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National Compensation Survey

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Preface

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

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

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

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

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

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

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Introduction

The tables in this bulletin summarize the NCS results for the York, PA, 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 earnings¹ and weekly hours by selected characteristics, private industry and State and local government, National Compensation Survey, York, PA, October 1999

Worker and establishment characteristics	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours ³	Hourly earnings		Mean weekly hours ³	Hourly earnings		Mean weekly hours ³
	Mean	Relative error ² (percent)		Mean	Relative error ² (percent)		Mean	Relative error ² (percent)	
Total	\$15.33	2.1	37.1	\$14.77	2.4	37.4	\$20.01	3.6	35.4
Worker characteristics:⁴									
White-collar occupations ⁵	18.62	2.9	35.5	17.52	3.6	35.5	23.27	4.2	35.9
Professional specialty and technical	21.90	2.7	34.0	19.47	3.7	33.3	27.34	4.0	35.8
Executive, administrative, and managerial	25.23	5.5	40.0	25.35	6.0	40.4	24.27	13.7	36.6
Sales	11.13	11.0	32.1	11.14	11.2	32.0	—	—	—
Administrative support	12.43	3.8	36.9	12.67	4.2	37.1	11.11	7.2	35.7
Blue-collar occupations ⁵	14.06	2.5	39.5	14.07	2.5	39.6	13.58	5.3	36.9
Precision production, craft, and repair	16.50	4.3	39.8	16.52	4.4	39.9	15.05	6.2	39.0
Machine operators, assemblers, and inspectors	13.54	3.3	39.8	13.54	3.3	39.8	—	—	—
Transportation and material moving	14.72	4.7	39.6	14.83	4.9	40.0	13.49	7.0	36.0
Handlers, equipment cleaners, helpers, and laborers	11.75	6.2	38.7	11.75	6.2	38.7	—	—	—
Service occupations ⁵	9.53	4.5	32.5	8.40	3.6	32.1	13.03	6.0	33.7
Full time	15.75	2.0	39.7	15.15	2.3	40.0	20.70	3.6	37.9
Part time	9.25	7.7	19.1	9.15	8.7	19.2	10.01	8.7	18.2
Union	17.78	2.3	38.9	16.42	2.2	39.7	21.86	4.7	36.8
Nonunion	14.42	3.1	36.5	14.28	3.2	36.7	16.81	7.2	33.4
Time	15.47	2.2	37.1	14.89	2.5	37.3	20.04	3.6	35.4
Incentive	13.14	8.2	38.2	13.01	8.3	38.3	—	—	—
Establishment characteristics:									
Goods producing	(⁶)	(⁶)	(⁶)	15.27	2.5	39.9	(⁶)	(⁶)	(⁶)
Service producing	(⁶)	(⁶)	(⁶)	—	—	—	(⁶)	(⁶)	(⁶)
50-99 workers ⁷	14.03	5.3	38.2	13.99	5.4	38.2	—	—	—
100-499 workers	14.80	3.3	37.2	14.31	3.6	37.3	21.50	4.0	34.8
500 workers or more	17.08	4.5	36.6	16.40	5.5	36.8	19.26	5.6	35.7

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

² The relative standard error (RSE) is the standard error expressed as a percent of the estimate. It can be used to calculate a "confidence interval" around a sample estimate. For more information about RSEs, see appendix A.

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

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

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

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

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

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

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

Table 2-1. Mean hourly earnings¹, all workers:² Selected occupations, private industry and State and local government, National Compensation Survey, York, PA, October 1999

Occupation ³	Total		Private industry		State and local government	
	Mean	Relative error ⁴ (percent)	Mean	Relative error ⁴ (percent)	Mean	Relative error ⁴ (percent)
All	\$15.33	2.1	\$14.77	2.4	\$20.01	3.6
All excluding sales	15.54	2.1	14.97	2.3	20.08	3.6
White collar	18.62	2.9	17.52	3.6	23.27	4.2
White collar excluding sales	19.69	2.5	18.66	3.1	23.42	4.2
Professional specialty and technical	21.90	2.7	19.47	3.7	27.34	4.0
Professional specialty	23.91	2.6	21.44	3.5	27.86	3.8
Engineers, architects, and surveyors	25.79	4.4	25.79	4.4	—	—
Industrial engineers	22.93	9.7	22.93	9.7	—	—
Mathematical and computer scientists	27.03	10.7	27.03	10.7	—	—
Health related	20.04	3.3	19.84	3.2	—	—
Registered nurses	20.29	3.3	20.28	3.3	—	—
Teachers, college and university	—	—	—	—	—	—
Teachers, except college and university	29.66	2.9	—	—	30.24	2.7
Elementary school teachers	31.54	2.4	—	—	31.54	2.4
Secondary school teachers	30.64	2.9	—	—	30.64	2.9
Teachers, special education	30.00	5.0	—	—	30.00	5.0
Teachers, n.e.c.	22.38	16.6	—	—	—	—
Librarians, archivists, and curators	—	—	—	—	—	—
Social scientists and urban planners	—	—	—	—	—	—
Social, recreation, and religious workers	14.34	7.3	11.95	11.4	—	—
Social workers	14.90	6.4	—	—	—	—
Writers, authors, entertainers, athletes, and professionals, n.e.c.	—	—	—	—	—	—
Technical	15.10	6.4	15.16	6.7	—	—
Licensed practical nurses	14.06	2.2	13.87	1.9	—	—
Executive, administrative, and managerial	25.23	5.5	25.35	6.0	24.27	13.7
Executives, administrators, and managers	29.22	5.2	29.30	6.0	28.80	5.7
Administrators and officials, public administration	28.78	8.1	—	—	28.78	8.1
Administrators, education and related fields	36.35	12.1	—	—	—	—
Managers and administrators, n.e.c.	25.68	7.5	25.68	7.5	—	—
Management related	20.54	7.5	21.16	7.4	—	—
Accountants and auditors	19.43	7.0	19.43	7.0	—	—
Sales	11.13	11.0	11.14	11.2	—	—
Sales workers, other commodities	11.01	15.6	11.01	15.6	—	—
Cashiers	6.81	5.7	6.55	3.5	—	—
Administrative support, including clerical	12.43	3.8	12.67	4.2	11.11	7.2
Secretaries	12.80	6.5	13.57	7.1	10.73	9.3
Receptionists	8.76	4.9	8.76	4.9	—	—
Bookkeepers, accounting and auditing clerks	10.11	11.4	10.09	14.9	—	—
Investigators and adjusters, except insurance	9.43	17.2	9.52	17.6	—	—
General office clerks	13.09	8.3	14.02	7.7	—	—
Teachers' aides	9.64	5.6	—	—	9.64	5.6
Blue collar	14.06	2.5	14.07	2.5	13.58	5.3
Precision production, craft, and repair	16.50	4.3	16.52	4.4	15.05	6.2
Industrial machinery repairers	15.44	3.4	15.44	3.4	—	—
Supervisors, production	16.95	8.7	16.95	8.7	—	—
Machine operators, assemblers, and inspectors	13.54	3.3	13.54	3.3	—	—
Grinding, abrading, buffing, and polishing machine operators	12.80	14.1	12.80	14.1	—	—
Fabricating machine operators, n.e.c.	14.23	11.5	14.23	11.5	—	—
Molding and casting machine operators	12.53	4.3	12.53	4.3	—	—
Printing press operators	15.29	8.7	15.29	8.7	—	—
Photoengravers and lithographers	12.38	9.3	12.38	9.3	—	—
Miscellaneous machine operators, n.e.c.	12.95	6.9	12.95	6.9	—	—
Welders and cutters	18.35	4.6	18.35	4.6	—	—
Assemblers	13.05	7.2	13.05	7.2	—	—
Production inspectors, checkers and examiners ..	12.63	10.5	12.63	10.5	—	—

See footnotes at end of table.

Table 2-1. Mean hourly earnings¹, all workers:² Selected occupations, private industry and State and local government, National Compensation Survey, York, PA, October 1999 — Continued

Occupation ³	Total		Private industry		State and local government	
	Mean	Relative error ⁴ (percent)	Mean	Relative error ⁴ (percent)	Mean	Relative error ⁴ (percent)
Blue collar —Continued						
Transportation and material moving	\$14.72	4.7	\$14.83	4.9	\$13.49	7.0
Industrial truck and tractor equipment operators ..	11.94	5.5	11.94	5.5	—	—
Miscellaneous material moving equipment operators, n.e.c.	15.94	8.0	—	—	—	—
Handlers, equipment cleaners, helpers, and laborers	11.75	6.2	11.75	6.2	—	—
Production helpers	12.14	7.5	12.04	7.7	—	—
Stock handlers and baggers	9.87	9.6	9.87	9.6	—	—
Machine feeders and offbearers	10.07	11.7	10.07	11.7	—	—
Freight, stock, and material handlers, n.e.c.	14.32	9.7	14.32	9.7	—	—
Hand packers and packagers	10.80	8.4	10.83	8.4	—	—
Laborers, except construction, n.e.c.	10.56	7.9	10.56	7.9	—	—
Service	9.53	4.5	8.40	3.6	13.03	6.0
Protective service	11.28	22.0	—	—	18.17	8.9
Police and detectives, public service	22.38	8.7	—	—	22.38	8.7
Food service	7.88	4.5	7.32	4.1	9.46	7.8
Other food service	7.88	4.5	7.32	4.1	9.46	7.8
Kitchen workers, food preparation	7.58	5.9	—	—	—	—
Health service	9.87	5.2	9.32	6.0	—	—
Nursing aides, orderlies and attendants	9.88	5.6	9.38	6.5	—	—
Cleaning and building service	9.39	5.9	8.84	8.2	10.49	4.6
Janitors and cleaners	9.22	5.9	8.84	8.2	10.07	3.0
Personal service	8.30	4.1	8.21	4.3	9.17	12.6
Attendants, amusement, and recreation facilities	6.43	5.6	—	—	—	—
Child care workers, n.e.c.	—	—	—	—	8.26	11.1

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

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

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

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

a sample estimate. For more information about RSEs, see appendix A.

NOTE: Dashes indicate that no data were reported or that data did not meet publication criteria, and n.e.c. means not elsewhere classified. Overall occupational groups may include data for categories not shown separately. IN THIS SURVEY, THE NONRESPONSE RATE FOR PRIVATE INDUSTRY EXCEEDED REGULAR SURVEY STANDARDS FOR PUBLICATION. ACCORDINGLY, USERS SHOULD INTERPRET THESE RESULTS WITH THIS LIMITATION IN MIND.

Table 2-2. Mean hourly earnings¹, full-time workers:² Selected occupations, private industry and State and local government, National Compensation Survey, York, PA, October 1999

Occupation ³	Total		Private industry		State and local government	
	Mean	Relative error ⁴ (percent)	Mean	Relative error ⁴ (percent)	Mean	Relative error ⁴ (percent)
All	\$15.75	2.0	\$15.15	2.3	\$20.70	3.6
All excluding sales	15.84	2.0	15.23	2.2	20.79	3.7
White collar	19.57	2.7	18.53	3.2	23.55	4.3
White collar excluding sales	20.26	2.5	19.25	3.0	23.71	4.2
Professional specialty and technical	22.65	2.8	20.15	3.8	27.76	4.0
Professional specialty	24.42	2.7	21.85	3.7	28.32	3.8
Engineers, architects, and surveyors	25.79	4.4	25.79	4.4	—	—
Industrial engineers	22.93	9.7	22.93	9.7	—	—
Mathematical and computer scientists	27.03	10.7	27.03	10.7	—	—
Health related	20.04	3.3	19.84	3.2	—	—
Registered nurses	20.29	3.3	20.28	3.3	—	—
Teachers, college and university	—	—	—	—	—	—
Teachers, except college and university	30.66	2.4	—	—	30.91	2.3
Elementary school teachers	31.54	2.4	—	—	31.54	2.4
Secondary school teachers	30.86	2.9	—	—	30.86	2.9
Teachers, special education	30.00	5.0	—	—	30.00	5.0
Librarians, archivists, and curators	—	—	—	—	—	—
Social scientists and urban planners	—	—	—	—	—	—
Social, recreation, and religious workers	14.63	7.6	—	—	—	—
Social workers	15.29	6.4	—	—	—	—
Writers, authors, entertainers, athletes, and professionals, n.e.c.	—	—	—	—	—	—
Technical	15.72	7.3	15.85	7.7	—	—
Executive, administrative, and managerial	25.22	5.5	25.35	6.0	24.22	13.8
Executives, administrators, and managers	29.21	5.2	29.30	6.0	28.75	5.7
Administrators and officials, public administration	28.78	8.1	—	—	28.78	8.1
Administrators, education and related fields	36.35	12.1	—	—	—	—
Managers and administrators, n.e.c.	25.68	7.5	25.68	7.5	—	—
Management related	20.54	7.5	21.16	7.4	—	—
Accountants and auditors	19.43	7.0	19.43	7.0	—	—
Sales	13.13	9.4	13.19	9.6	—	—
Cashiers	7.58	9.2	—	—	—	—
Administrative support, including clerical	12.81	3.7	13.12	4.2	11.21	7.3
Secretaries	12.96	6.6	13.83	7.2	10.73	9.3
Bookkeepers, accounting and auditing clerks	10.64	11.2	10.82	14.8	—	—
Investigators and adjusters, except insurance	9.47	17.5	—	—	—	—
General office clerks	13.38	8.4	—	—	—	—
Blue collar	14.19	2.4	14.19	2.4	13.85	5.1
Precision production, craft, and repair	16.52	4.4	16.55	4.4	15.05	6.2
Industrial machinery repairers	15.44	3.4	15.44	3.4	—	—
Supervisors, production	16.95	8.7	16.95	8.7	—	—
Machine operators, assemblers, and inspectors	13.54	3.3	13.54	3.3	—	—
Grinding, abrading, buffing, and polishing machine operators	12.80	14.1	12.80	14.1	—	—
Fabricating machine operators, n.e.c.	14.23	11.5	14.23	11.5	—	—
Molding and casting machine operators	12.53	4.3	12.53	4.3	—	—
Printing press operators	15.29	8.7	15.29	8.7	—	—
Photoengravers and lithographers	12.60	9.2	12.60	9.2	—	—
Miscellaneous machine operators, n.e.c.	12.95	6.9	12.95	6.9	—	—
Welders and cutters	18.35	4.6	18.35	4.6	—	—
Assemblers	13.05	7.2	13.05	7.2	—	—
Production inspectors, checkers and examiners ..	12.63	10.5	12.63	10.5	—	—
Transportation and material moving	14.76	4.6	14.83	4.9	13.87	6.8
Industrial truck and tractor equipment operators ..	11.94	5.5	11.94	5.5	—	—
Miscellaneous material moving equipment operators, n.e.c.	15.94	8.0	—	—	—	—

See footnotes at end of table.

Table 2-2. Mean hourly earnings¹, full-time workers:² Selected occupations, private industry and State and local government, National Compensation Survey, York, PA, October 1999 — Continued

Occupation ³	Total		Private industry		State and local government	
	Mean	Relative error ⁴ (percent)	Mean	Relative error ⁴ (percent)	Mean	Relative error ⁴ (percent)
Blue collar —Continued						
Handlers, equipment cleaners, helpers, and laborers	\$12.10	5.8	\$12.10	5.8	—	—
Production helpers	12.14	7.5	12.04	7.7	—	—
Stock handlers and baggers	10.66	10.7	10.66	10.7	—	—
Machine feeders and offbearers	10.07	11.9	10.07	11.9	—	—
Freight, stock, and material handlers, n.e.c.	14.32	9.7	14.32	9.7	—	—
Hand packers and packagers	10.80	8.4	10.83	8.4	—	—
Laborers, except construction, n.e.c.	11.37	5.4	11.37	5.4	—	—
Service	9.81	5.4	8.50	4.0	\$13.94	6.6
Protective service	11.31	22.1	—	—	18.36	9.0
Police and detectives, public service	22.38	8.7	—	—	22.38	8.7
Food service	7.60	4.2	—	—	—	—
Other food service	7.60	4.2	—	—	—	—
Health service	9.97	5.3	—	—	—	—
Cleaning and building service	9.64	6.6	9.09	9.6	10.62	4.7
Janitors and cleaners	9.45	6.6	9.09	9.6	10.19	3.0
Personal service	8.59	4.2	—	—	—	—

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

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

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

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

NOTE: Dashes indicate that no data were reported or that data did not meet publication criteria, and n.e.c. means not elsewhere classified. Overall occupational groups may include data for categories not shown separately. IN THIS SURVEY, THE NONRESPONSE RATE FOR PRIVATE INDUSTRY EXCEEDED REGULAR SURVEY STANDARDS FOR PUBLICATION. ACCORDINGLY, USERS SHOULD INTERPRET THESE RESULTS WITH THIS LIMITATION IN MIND.

Table 2-3. Mean hourly earnings¹, part-time workers:² Selected occupations, private industry and State and local government, National Compensation Survey, York, PA, October 1999

Occupation ³	Total		Private industry		State and local government	
	Mean	Relative error ⁴ (percent)	Mean	Relative error ⁴ (percent)	Mean	Relative error ⁴ (percent)
All	\$9.25	7.7	\$9.15	8.7	\$10.01	8.7
All excluding sales	10.03	8.6	10.04	9.9	10.01	8.7
White collar	10.04	11.0	9.88	11.8	12.97	16.1
White collar excluding sales	12.19	11.6	12.12	12.7	12.97	16.1
Professional specialty and technical	14.47	12.0	14.52	13.1	14.01	15.7
Professional specialty	16.27	14.9	16.81	16.4	14.01	15.7
Teachers, college and university	-	-	-	-	-	-
Teachers, except college and university	12.15	18.4	-	-	14.01	15.7
Social scientists and urban planners	-	-	-	-	-	-
Social, recreation, and religious workers	-	-	-	-	-	-
Technical	-	-	-	-	-	-
Executive, administrative, and managerial	-	-	-	-	-	-
Executives, administrators, and managers	-	-	-	-	-	-
Sales	6.43	4.3	6.43	4.3	-	-
Sales workers, other commodities	6.38	2.8	6.38	2.8	-	-
Cashiers	6.06	3.7	6.06	3.7	-	-
Administrative support, including clerical	8.57	7.7	8.61	7.9	-	-
Blue collar	8.21	3.9	8.08	4.7	-	-
Precision production, craft, and repair	-	-	-	-	-	-
Machine operators, assemblers, and inspectors	-	-	-	-	-	-
Transportation and material moving	-	-	-	-	-	-
Handlers, equipment cleaners, helpers, and laborers	7.17	2.5	7.18	2.5	-	-
Stock handlers and baggers	7.06	5.7	7.06	5.7	-	-
Service	8.08	3.5	7.85	3.9	8.68	5.9
Protective service	-	-	-	-	-	-
Food service	8.39	8.7	-	-	9.35	8.4
Other food service	8.39	8.7	-	-	9.35	8.4
Health service	-	-	-	-	-	-
Cleaning and building service	7.71	1.8	-	-	-	-
Janitors and cleaners	7.71	1.8	-	-	-	-
Personal service	7.47	5.6	7.35	6.5	7.85	9.4
Attendants, amusement, and recreation facilities	6.43	5.6	-	-	-	-
Child care workers, n.e.c.	8.29	4.4	-	-	8.26	11.1

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

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

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

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

NOTE: Dashes indicate that no data were reported or that data did not meet publication criteria, and n.e.c. means not elsewhere classified. Overall occupational groups may include data for categories not shown separately. IN THIS SURVEY, THE NONRESPONSE RATE FOR PRIVATE INDUSTRY EXCEEDED REGULAR SURVEY STANDARDS FOR PUBLICATION. ACCORDINGLY, USERS SHOULD INTERPRET THESE RESULTS WITH THIS LIMITATION IN MIND.

Table 3-1. Mean weekly earnings¹, full-time workers:² Selected occupations, private industry and State and local government, National Compensation Survey, York, PA, October 1999

Occupation ³	Total			Private industry			State and local government		
	Weekly earnings		Mean weekly hours ⁵	Weekly earnings		Mean weekly hours ⁵	Weekly earnings		Mean weekly hours ⁵
	Mean	Relative error ⁴ (percent)		Mean	Relative error ⁴ (percent)		Mean	Relative error ⁴ (percent)	
All	\$625	2.1	39.7	\$605	2.4	40.0	\$785	3.6	37.9
All excluding sales	629	2.1	39.7	608	2.4	39.9	788	3.6	37.9
White collar	777	2.6	39.7	748	3.2	40.4	881	4.2	37.4
White collar excluding sales	802	2.4	39.6	776	3.0	40.3	886	4.2	37.4
Professional specialty and technical	885	2.7	39.1	804	3.8	39.9	1,039	3.9	37.4
Professional specialty	949	2.7	38.9	871	3.9	39.9	1,060	3.7	37.4
Engineers, architects, and surveyors	1,040	4.6	40.3	1,040	4.6	40.3	-	-	-
Industrial engineers	947	12.0	41.3	947	12.0	41.3	-	-	-
Mathematical and computer scientists	1,084	10.7	40.1	1,084	10.7	40.1	-	-	-
Health related	793	3.2	39.6	786	3.0	39.6	-	-	-
Registered nurses	804	3.1	39.6	804	3.1	39.6	-	-	-
Teachers, college and university	-	-	-	-	-	-	-	-	-
Teachers, except college and university	1,150	2.1	37.5	-	-	-	1,156	2.1	37.4
Elementary school teachers ...	1,175	1.9	37.2	-	-	-	1,175	1.9	37.2
Secondary school teachers ...	1,161	2.8	37.6	-	-	-	1,161	2.8	37.6
Teachers, special education ...	1,122	3.5	37.4	-	-	-	1,122	3.5	37.4
Librarians, archivists, and curators	-	-	-	-	-	-	-	-	-
Social scientists and urban planners	-	-	-	-	-	-	-	-	-
Social, recreation, and religious workers	560	7.3	38.3	-	-	-	-	-	-
Social workers	583	6.3	38.2	-	-	-	-	-	-
Writers, authors, entertainers, athletes, and professionals, n.e.c.	-	-	-	-	-	-	-	-	-
Technical	626	7.3	39.8	634	7.7	40.0	-	-	-
Executive, administrative, and managerial	1,013	5.5	40.2	1,025	5.9	40.4	926	13.0	38.2
Executives, administrators, and managers	1,173	5.3	40.2	1,191	6.0	40.7	1,082	6.9	37.6
Administrators and officials, public administration	1,055	9.9	36.7	-	-	-	1,055	9.9	36.7
Administrators, education and related fields	1,444	12.3	39.7	-	-	-	-	-	-
Managers and administrators, n.e.c.	1,043	7.3	40.6	1,043	7.3	40.6	-	-	-
Management related	826	7.2	40.2	851	7.0	40.2	-	-	-
Accountants and auditors	793	6.1	40.8	793	6.1	40.8	-	-	-
Sales	538	9.0	41.0	542	9.1	41.1	-	-	-
Cashiers	301	8.5	39.7	-	-	-	-	-	-
Administrative support, including clerical	512	4.4	40.0	533	4.8	40.6	413	7.7	36.8
Secretaries	508	7.4	39.2	553	7.2	40.0	399	11.8	37.2
Bookkeepers, accounting and auditing clerks	418	13.4	39.3	439	17.0	40.6	-	-	-
Investigators and adjusters, except insurance	379	17.5	40.0	-	-	-	-	-	-
General office clerks	534	8.4	39.9	-	-	-	-	-	-
Blue collar	567	2.4	40.0	568	2.4	40.0	541	5.0	39.1
Precision production, craft, and repair	664	4.4	40.2	665	4.5	40.2	587	4.6	39.0
Industrial machinery repairers	618	3.4	40.0	617	3.4	40.0	-	-	-

See footnotes at end of table.

Table 3-1. Mean weekly earnings¹, full-time workers:² Selected occupations, private industry and State and local government, National Compensation Survey, York, PA, October 1999 — Continued

Occupation ³	Total			Private industry			State and local government		
	Weekly earnings		Mean weekly hours ⁵	Weekly earnings		Mean weekly hours ⁵	Weekly earnings		Mean weekly hours ⁵
	Mean	Relative error ⁴ (percent)		Mean	Relative error ⁴ (percent)		Mean	Relative error ⁴ (percent)	
Blue collar —Continued									
Precision production, craft, and repair —Continued									
Supervisors, production	\$694	8.6	40.9	\$694	8.6	40.9	—	—	—
Machine operators, assemblers, and inspectors	540	3.3	39.9	540	3.3	39.9	—	—	—
Grinding, abrading, buffing, and polishing machine operators	512	14.1	40.0	512	14.1	40.0	—	—	—
Fabricating machine operators, n.e.c.	569	11.5	40.0	569	11.5	40.0	—	—	—
Molding and casting machine operators	501	4.3	40.0	501	4.3	40.0	—	—	—
Printing press operators	590	7.7	38.6	590	7.7	38.6	—	—	—
Photoengravers and lithographers	494	7.5	39.2	494	7.5	39.2	—	—	—
Miscellaneous machine operators, n.e.c.	514	6.9	39.7	514	6.9	39.7	—	—	—
Welders and cutters	734	4.6	40.0	734	4.6	40.0	—	—	—
Assemblers	522	7.2	40.0	522	7.2	40.0	—	—	—
Production inspectors, checkers and examiners ...	505	10.5	40.0	505	10.5	40.0	—	—	—
Transportation and material moving	590	4.7	39.9	593	4.9	40.0	\$544	6.8	39.3
Industrial truck and tractor equipment operators	478	5.5	40.0	478	5.5	40.0	—	—	—
Miscellaneous material moving equipment operators, n.e.c.	627	8.4	39.3	—	—	—	—	—	—
Handlers, equipment cleaners, helpers, and laborers	483	5.8	39.9	483	5.9	39.9	—	—	—
Production helpers	480	7.7	39.5	476	8.0	39.5	—	—	—
Stock handlers and baggers ...	426	10.7	40.0	426	10.7	40.0	—	—	—
Machine feeders and offbearers	403	11.9	40.0	403	11.9	40.0	—	—	—
Freight, stock, and material handlers, n.e.c.	571	9.8	39.9	571	9.8	39.9	—	—	—
Hand packers and packagers	432	8.4	40.0	433	8.4	40.0	—	—	—
Laborers, except construction, n.e.c.	453	5.4	39.8	453	5.4	39.8	—	—	—
Service	375	7.0	38.2	322	6.3	37.9	548	7.1	39.3
Protective service	414	26.7	36.7	—	—	—	753	9.4	41.0
Police and detectives, public service	895	8.7	40.0	—	—	—	895	8.7	40.0
Food service	302	4.7	39.8	—	—	—	—	—	—
Other food service	302	4.7	39.8	—	—	—	—	—	—
Health service	381	6.0	38.2	—	—	—	—	—	—

See footnotes at end of table.

Table 3-1. Mean weekly earnings¹, full-time workers:² Selected occupations, private industry and State and local government, National Compensation Survey, York, PA, October 1999 — Continued

Occupation ³	Total			Private industry			State and local government		
	Weekly earnings		Mean weekly hours ⁵	Weekly earnings		Mean weekly hours ⁵	Weekly earnings		Mean weekly hours ⁵
	Mean	Relative error ⁴ (percent)		Mean	Relative error ⁴ (percent)		Mean	Relative error ⁴ (percent)	
Service—Continued									
Cleaning and building service	\$384	6.5	39.9	\$362	9.4	39.8	\$425	4.7	40.0
Janitors and cleaners	377	6.5	39.9	362	9.4	39.8	408	3.0	40.0
Personal service	326	4.5	38.0	—	—	—	—	—	—

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

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

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

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

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

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Table 3-2. Mean annual earnings¹, full-time workers:² Selected occupations, private industry and State and local government, National Compensation Survey, York, PA, October 1999

Occupation ³	Total			Private industry			State and local government		
	Annual earnings		Mean annual hours ⁵	Annual earnings		Mean annual hours ⁵	Annual earnings		Mean annual hours ⁵
	Mean	Relative error ⁴ (percent)		Mean	Relative error ⁴ (percent)		Mean	Relative error ⁴ (percent)	
All	\$31,879	2.1	2,025	\$31,372	2.4	2,070	\$35,376	3.6	1,709
All excluding sales	32,014	2.1	2,021	31,496	2.4	2,068	35,482	3.6	1,707
White collar	38,342	2.6	1,959	38,496	3.2	2,078	37,884	4.2	1,609
White collar excluding sales	39,355	2.4	1,943	39,849	3.0	2,070	38,052	4.2	1,605
Professional specialty and technical	41,199	2.7	1,819	40,570	3.8	2,014	42,165	3.9	1,519
Professional specialty	43,097	2.7	1,765	43,457	3.9	1,989	42,683	3.7	1,507
Engineers, architects, and surveyors	54,057	4.6	2,096	54,057	4.6	2,096	-	-	-
Industrial engineers	49,240	12.0	2,147	49,240	12.0	2,147	-	-	-
Mathematical and computer scientists	56,385	10.7	2,086	56,385	10.7	2,086	-	-	-
Health related	41,231	3.2	2,057	40,855	3.0	2,059	-	-	-
Registered nurses	41,794	3.1	2,060	41,787	3.1	2,061	-	-	-
Teachers, college and university	-	-	-	-	-	-	-	-	-
Teachers, except college and university	44,358	2.1	1,447	-	-	-	44,291	2.1	1,433
Elementary school teachers ...	44,452	1.9	1,409	-	-	-	44,452	1.9	1,409
Secondary school teachers ...	44,430	2.8	1,440	-	-	-	44,430	2.8	1,440
Teachers, special education ...	42,623	3.5	1,421	-	-	-	42,623	3.5	1,421
Librarians, archivists, and curators	-	-	-	-	-	-	-	-	-
Social scientists and urban planners	-	-	-	-	-	-	-	-	-
Social, recreation, and religious workers	23,629	7.3	1,615	-	-	-	-	-	-
Social workers	30,334	6.3	1,984	-	-	-	-	-	-
Writers, authors, entertainers, athletes, and professionals, n.e.c.	-	-	-	-	-	-	-	-	-
Technical	32,483	7.3	2,067	32,959	7.7	2,080	-	-	-
Executive, administrative, and managerial	52,654	5.5	2,088	53,313	5.9	2,103	47,782	13.0	1,973
Executives, administrators, and managers	60,904	5.3	2,085	61,931	6.0	2,114	55,693	6.9	1,937
Administrators and officials, public administration	54,859	9.9	1,906	-	-	-	54,859	9.9	1,906
Administrators, education and related fields	73,971	12.3	2,035	-	-	-	-	-	-
Managers and administrators, n.e.c.	54,258	7.3	2,113	54,258	7.3	2,113	-	-	-
Management related	42,953	7.2	2,091	44,253	7.0	2,092	-	-	-
Accountants and auditors	41,230	6.1	2,122	41,230	6.1	2,122	-	-	-
Sales	27,982	9.0	2,132	28,184	9.1	2,137	-	-	-
Cashiers	15,629	8.5	2,063	-	-	-	-	-	-
Administrative support, including clerical	26,122	4.4	2,039	27,735	4.8	2,114	19,349	7.7	1,726
Secretaries	26,143	7.4	2,017	28,768	7.2	2,080	20,058	11.8	1,869
Bookkeepers, accounting and auditing clerks	21,752	13.4	2,043	22,817	17.0	2,109	-	-	-
Investigators and adjusters, except insurance	19,699	17.5	2,080	-	-	-	-	-	-
General office clerks	27,496	8.4	2,056	-	-	-	-	-	-
Blue collar	29,488	2.4	2,079	29,513	2.4	2,080	28,132	5.0	2,031
Precision production, craft, and repair	34,537	4.4	2,091	34,606	4.5	2,092	30,520	4.6	2,028
Industrial machinery repairers	32,119	3.4	2,080	32,109	3.4	2,080	-	-	-

See footnotes at end of table.

Table 3-2. Mean annual earnings¹, full-time workers:² Selected occupations, private industry and State and local government, National Compensation Survey, York, PA, October 1999 — Continued

Occupation ³	Total			Private industry			State and local government		
	Annual earnings		Mean annual hours ⁵	Annual earnings		Mean annual hours ⁵	Annual earnings		Mean annual hours ⁵
	Mean	Relative error ⁴ (percent)		Mean	Relative error ⁴ (percent)		Mean	Relative error ⁴ (percent)	
Blue collar —Continued									
Precision production, craft, and repair —Continued									
Supervisors, production	\$36,074	8.6	2,129	\$36,074	8.6	2,129	—	—	—
Machine operators, assemblers, and inspectors	28,080	3.3	2,074	28,080	3.3	2,074	—	—	—
Grinding, abrading, buffing, and polishing machine operators	26,624	14.1	2,080	26,624	14.1	2,080	—	—	—
Fabricating machine operators, n.e.c.	29,606	11.5	2,080	29,606	11.5	2,080	—	—	—
Molding and casting machine operators	26,064	4.3	2,080	26,064	4.3	2,080	—	—	—
Printing press operators	30,676	7.7	2,006	30,676	7.7	2,006	—	—	—
Photoengravers and lithographers	25,701	7.5	2,040	25,701	7.5	2,040	—	—	—
Miscellaneous machine operators, n.e.c.	26,718	6.9	2,063	26,718	6.9	2,063	—	—	—
Welders and cutters	38,170	4.6	2,080	38,170	4.6	2,080	—	—	—
Assemblers	27,152	7.2	2,080	27,152	7.2	2,080	—	—	—
Production inspectors, checkers and examiners ...	26,263	10.5	2,080	26,263	10.5	2,080	—	—	—
Transportation and material moving	30,656	4.7	2,077	30,847	4.9	2,080	\$28,305	6.8	2,041
Industrial truck and tractor equipment operators	24,843	5.5	2,080	24,843	5.5	2,080	—	—	—
Miscellaneous material moving equipment operators, n.e.c.	32,604	8.4	2,046	—	—	—	—	—	—
Handlers, equipment cleaners, helpers, and laborers	25,096	5.8	2,075	25,115	5.9	2,076	—	—	—
Production helpers	24,950	7.7	2,056	24,739	8.0	2,055	—	—	—
Stock handlers and baggers ...	22,177	10.7	2,080	22,177	10.7	2,080	—	—	—
Machine feeders and offbearers	20,947	11.9	2,080	20,947	11.9	2,080	—	—	—
Freight, stock, and material handlers, n.e.c.	29,683	9.8	2,073	29,683	9.8	2,073	—	—	—
Hand packers and packagers	22,471	8.4	2,080	22,530	8.4	2,080	—	—	—
Laborers, except construction, n.e.c.	23,554	5.4	2,072	23,554	5.4	2,072	—	—	—
Service	19,388	7.0	1,977	16,745	6.3	1,971	27,826	7.1	1,996
Protective service	21,548	26.7	1,906	—	—	—	39,130	9.4	2,131
Police and detectives, public service	46,544	8.7	2,080	—	—	—	46,544	8.7	2,080
Food service	15,595	4.7	2,053	—	—	—	—	—	—
Other food service	15,595	4.7	2,053	—	—	—	—	—	—
Health service	19,809	6.0	1,986	—	—	—	—	—	—

See footnotes at end of table.

Table 3-2. Mean annual earnings¹, full-time workers:² Selected occupations, private industry and State and local government, National Compensation Survey, York, PA, October 1999 — Continued

Occupation ³	Total			Private industry			State and local government		
	Annual earnings		Mean annual hours ⁵	Annual earnings		Mean annual hours ⁵	Annual earnings		Mean annual hours ⁵
	Mean	Relative error ⁴ (percent)		Mean	Relative error ⁴ (percent)		Mean	Relative error ⁴ (percent)	
Service—Continued									
Cleaning and building service	\$19,984	6.5	2,073	\$18,805	9.4	2,069	\$22,094	4.7	2,080
Janitors and cleaners	19,585	6.5	2,073	18,805	9.4	2,069	21,194	3.0	2,080
Personal service	16,558	4.5	1,927	—	—	—	—	—	—

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

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

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

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

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

NOTE: Dashes indicate that no data were reported or that data did not meet publication criteria, and n.e.c. means not elsewhere classified. Overall occupational groups may include data for categories not shown separately. IN THIS SURVEY, THE NONRESPONSE RATE FOR PRIVATE INDUSTRY EXCEEDED REGULAR SURVEY STANDARDS FOR PUBLICATION. ACCORDINGLY, USERS SHOULD INTERPRET THESE RESULTS WITH THIS LIMITATION IN MIND.

Table 4-1. Selected occupations¹ and levels,² all workers:³ Mean hourly earnings,⁴ private industry and State and local government, National Compensation Survey, York, PA, October 1999

Occupation and level	Total		Private industry		State and local government	
	Mean	Relative error ⁵ (percent)	Mean	Relative error ⁵ (percent)	Mean	Relative error ⁵ (percent)
All	\$15.33	2.1	\$14.77	2.4	\$20.01	3.6
All excluding sales	15.54	2.1	14.97	2.3	20.08	3.6
White collar	18.62	2.9	17.52	3.6	23.27	4.2
2	8.22	6.4	7.92	7.9	—	—
3	9.44	12.3	9.31	15.0	10.04	1.8
4	10.74	4.5	10.83	4.9	10.03	7.3
5	14.67	4.2	14.30	3.9	18.40	15.6
6	16.22	4.7	15.80	6.2	17.00	6.8
7	20.26	4.8	18.32	4.4	24.49	9.8
8	24.23	6.0	21.17	7.1	29.82	7.3
9	24.12	3.6	22.55	4.0	29.26	6.1
10	23.87	8.0	23.91	8.4	—	—
11	24.30	6.7	24.10	6.9	—	—
12	32.07	5.8	32.98	6.3	—	—
Not able to be leveled	21.92	22.0	—	—	—	—
White collar excluding sales	19.69	2.5	18.66	3.1	23.42	4.2
2	8.96	5.8	8.67	8.2	—	—
3	10.67	12.1	10.87	14.6	—	—
4	11.04	5.0	11.21	5.6	10.03	7.3
5	14.37	4.5	13.84	3.8	18.40	15.6
6	16.22	4.7	15.80	6.2	17.00	6.8
7	19.89	5.2	17.58	3.6	24.49	9.8
8	24.23	6.0	21.17	7.1	29.82	7.3
9	24.12	3.6	22.55	4.0	29.26	6.1
10	23.87	8.0	23.91	8.4	—	—
11	24.73	7.1	24.54	7.3	—	—
12	32.07	5.8	32.98	6.3	—	—
Not able to be leveled	21.92	22.0	—	—	—	—
Professional specialty and technical	21.90	2.7	19.47	3.7	27.34	4.0
Professional specialty	23.91	2.6	21.44	3.5	27.86	3.8
5	17.57	18.3	—	—	—	—
6	17.43	6.8	—	—	17.43	6.8
7	25.21	6.3	—	—	28.56	4.2
8	25.88	6.9	21.99	9.9	29.82	7.3
9	23.94	5.0	20.97	5.4	29.60	6.4
10	21.49	3.7	—	—	—	—
Engineers, architects, and surveyors	25.79	4.4	25.79	4.4	—	—
9	24.45	5.4	24.45	5.4	—	—
Industrial engineers	22.93	9.7	22.93	9.7	—	—
Mathematical and computer scientists	27.03	10.7	27.03	10.7	—	—
Health related	20.04	3.3	19.84	3.2	—	—
Registered nurses	20.29	3.3	20.28	3.3	—	—
Teachers, college and university	—	—	—	—	—	—
Teachers, except college and university	29.66	2.9	—	—	30.24	2.7
7	28.82	4.2	—	—	28.82	4.2
8	31.49	3.7	—	—	32.07	3.4
9	31.20	5.0	—	—	31.20	5.0
Elementary school teachers	31.54	2.4	—	—	31.54	2.4
9	31.49	5.6	—	—	31.49	5.6
Secondary school teachers	30.64	2.9	—	—	30.64	2.9
9	30.67	6.2	—	—	30.67	6.2
Teachers, special education	30.00	5.0	—	—	30.00	5.0
Teachers, n.e.c.	22.38	16.6	—	—	—	—
Librarians, archivists, and curators	—	—	—	—	—	—
Social scientists and urban planners	—	—	—	—	—	—
Social, recreation, and religious workers	14.34	7.3	11.95	11.4	—	—
Social workers	14.90	6.4	—	—	—	—
Writers, authors, entertainers, athletes, and professionals, n.e.c.	—	—	—	—	—	—
Technical	15.10	6.4	15.16	6.7	—	—
4	12.34	5.7	12.46	5.6	—	—
Licensed practical nurses	14.06	2.2	13.87	1.9	—	—
Executive, administrative, and managerial	25.23	5.5	25.35	6.0	24.27	13.7

See footnotes at end of table.

Table 4-1. Selected occupations¹ and levels,² all workers:³ Mean hourly earnings,⁴ private industry and State and local government, National Compensation Survey, York, PA, October 1999 — Continued

Occupation and level	Total		Private industry		State and local government	
	Mean	Relative error ⁵ (percent)	Mean	Relative error ⁵ (percent)	Mean	Relative error ⁵ (percent)
White collar —Continued						
Executive, administrative, and managerial —Continued						
7	\$15.59	8.7	—	—	—	—
9	24.21	5.1	\$24.21	5.3	—	—
11	24.10	9.5	23.79	10.0	—	—
12	32.52	7.4	—	—	—	—
Executives, administrators, and managers	29.22	5.2	29.30	6.0	\$28.80	5.7
9	22.41	7.5	22.24	8.2	—	—
12	32.52	7.4	—	—	—	—
Administrators and officials, public administration	28.78	8.1	—	—	28.78	8.1
Administrators, education and related fields	36.35	12.1	—	—	—	—
Managers and administrators, n.e.c.	25.68	7.5	25.68	7.5	—	—
9	22.24	8.2	22.24	8.2	—	—
Management related	20.54	7.5	21.16	7.4	—	—
9	26.17	5.4	26.17	5.4	—	—
Accountants and auditors	19.43	7.0	19.43	7.0	—	—
Sales	11.13	11.0	11.14	11.2	—	—
2	6.83	5.4	6.83	5.4	—	—
3	6.89	6.1	6.54	2.3	—	—
5	15.76	11.5	15.76	11.5	—	—
Sales workers, other commodities	11.01	15.6	11.01	15.6	—	—
Cashiers	6.81	5.7	6.55	3.5	—	—
Administrative support, including clerical	12.43	3.8	12.67	4.2	11.11	7.2
2	8.96	5.8	8.67	8.2	—	—
3	10.92	11.9	11.20	14.4	—	—
4	10.47	5.9	10.54	7.3	10.20	7.3
5	13.91	5.2	13.74	5.6	—	—
6	13.86	13.8	—	—	—	—
7	16.83	6.7	16.89	6.8	—	—
Secretaries	12.80	6.5	13.57	7.1	10.73	9.3
4	11.32	6.6	—	—	—	—
5	12.48	5.9	—	—	—	—
Receptionists	8.76	4.9	8.76	4.9	—	—
Bookkeepers, accounting and auditing clerks	10.11	11.4	10.09	14.9	—	—
Investigators and adjusters, except insurance	9.43	17.2	9.52	17.6	—	—
General office clerks	13.09	8.3	14.02	7.7	—	—
Teachers' aides	9.64	5.6	—	—	9.64	5.6
Blue collar	14.06	2.5	14.07	2.5	13.58	5.3
1	9.03	8.3	9.04	8.4	—	—
2	11.47	9.8	11.47	9.8	—	—
3	11.86	4.4	11.87	4.5	—	—
4	12.86	4.2	12.87	4.4	12.45	3.3
5	14.83	3.6	14.83	3.8	14.98	4.7
6	14.74	3.8	14.74	3.8	—	—
7	16.68	3.7	16.74	3.8	—	—
8	19.93	5.1	19.93	5.1	—	—
9	22.46	6.4	22.43	6.5	—	—
Precision production, craft, and repair	16.50	4.3	16.52	4.4	15.05	6.2
5	14.20	11.1	14.11	12.0	—	—
6	14.73	5.1	14.73	5.1	—	—
7	16.69	4.6	16.69	4.6	—	—
8	20.27	5.4	20.27	5.4	—	—
9	23.17	4.6	23.17	4.6	—	—
Industrial machinery repairers	15.44	3.4	15.44	3.4	—	—
5	13.24	4.4	13.24	4.4	—	—
6	15.69	3.8	15.69	3.8	—	—
7	17.50	2.1	17.50	2.1	—	—
Supervisors, production	16.95	8.7	16.95	8.7	—	—
7	14.63	8.3	14.63	8.3	—	—
9	21.23	10.3	21.23	10.3	—	—

See footnotes at end of table.

Table 4-1. Selected occupations¹ and levels,² all workers:³ Mean hourly earnings,⁴ private industry and State and local government, National Compensation Survey, York, PA, October 1999 — Continued

Occupation and level	Total		Private industry		State and local government	
	Mean	Relative error ⁵ (percent)	Mean	Relative error ⁵ (percent)	Mean	Relative error ⁵ (percent)
Blue collar —Continued						
Machine operators, assemblers, and inspectors	\$13.54	3.3	\$13.54	3.3	—	—
1	10.18	12.6	10.18	12.6	—	—
3	12.23	7.0	12.23	7.0	—	—
4	12.69	4.8	12.69	4.8	—	—
5	14.24	4.4	14.24	4.4	—	—
6	15.43	6.9	15.43	6.9	—	—
7	16.79	4.8	16.79	4.8	—	—
Grinding, abrading, buffing, and polishing machine operators	12.80	14.1	12.80	14.1	—	—
Fabricating machine operators, n.e.c.	14.23	11.5	14.23	11.5	—	—
5	16.89	2.0	16.89	2.0	—	—
Molding and casting machine operators	12.53	4.3	12.53	4.3	—	—
Printing press operators	15.29	8.7	15.29	8.7	—	—
Photoengravers and lithographers	12.38	9.3	12.38	9.3	—	—
Miscellaneous machine operators, n.e.c.	12.95	6.9	12.95	6.9	—	—
4	13.84	7.6	13.84	7.6	—	—
Welders and cutters	18.35	4.6	18.35	4.6	—	—
Assemblers	13.05	7.2	13.05	7.2	—	—
Production inspectors, checkers and examiners ..	12.63	10.5	12.63	10.5	—	—
Transportation and material moving	14.72	4.7	14.83	4.9	\$13.49	7.0
3	12.03	9.7	12.19	11.0	—	—
4	14.00	5.5	14.19	5.9	—	—
Industrial truck and tractor equipment operators ..	11.94	5.5	11.94	5.5	—	—
Miscellaneous material moving equipment operators, n.e.c.	15.94	8.0	—	—	—	—
Handlers, equipment cleaners, helpers, and laborers	11.75	6.2	11.75	6.2	—	—
1	8.29	8.4	8.30	8.6	—	—
2	12.13	11.3	12.13	11.3	—	—
3	11.45	7.3	11.43	7.4	—	—
4	12.48	9.9	12.52	10.3	—	—
5	13.23	12.1	13.24	12.4	—	—
Production helpers	12.14	7.5	12.04	7.7	—	—
Stock handlers and baggers	9.87	9.6	9.87	9.6	—	—
1	7.82	11.4	7.82	11.4	—	—
3	10.25	13.0	10.25	13.0	—	—
Machine feeders and offbearers	10.07	11.7	10.07	11.7	—	—
Freight, stock, and material handlers, n.e.c.	14.32	9.7	14.32	9.7	—	—
Hand packers and packagers	10.80	8.4	10.83	8.4	—	—
Laborers, except construction, n.e.c.	10.56	7.9	10.56	7.9	—	—
Service	9.53	4.5	8.40	3.6	13.03	6.0
1	8.17	9.0	7.77	11.6	9.40	7.8
2	8.27	7.5	8.31	8.0	—	—
3	8.87	7.2	8.37	8.0	10.57	4.2
4	8.85	1.8	8.73	1.0	—	—
Protective service	11.28	22.0	—	—	18.17	8.9
Police and detectives, public service	22.38	8.7	—	—	22.38	8.7
Food service	7.88	4.5	7.32	4.1	9.46	7.8
2	7.50	2.6	—	—	—	—
Other food service	7.88	4.5	7.32	4.1	9.46	7.8
2	7.50	2.6	—	—	—	—
Kitchen workers, food preparation	7.58	5.9	—	—	—	—
Health service	9.87	5.2	9.32	6.0	—	—
3	10.27	4.3	—	—	—	—
Nursing aides, orderlies and attendants	9.88	5.6	9.38	6.5	—	—
3	10.27	4.3	—	—	—	—
Cleaning and building service	9.39	5.9	8.84	8.2	10.49	4.6
1	8.64	10.9	8.09	12.9	—	—
3	10.09	4.0	—	—	—	—
Janitors and cleaners	9.22	5.9	8.84	8.2	10.07	3.0
1	8.64	10.9	8.09	12.9	—	—

See footnotes at end of table.

Table 4-1. Selected occupations¹ and levels,² all workers:³ Mean hourly earnings,⁴ private industry and State and local government, National Compensation Survey, York, PA, October 1999 — Continued

Occupation and level	Total		Private industry		State and local government	
	Mean	Relative error ⁵ (percent)	Mean	Relative error ⁵ (percent)	Mean	Relative error ⁵ (percent)
Service —Continued						
Cleaning and building service—Continued						
Janitors and cleaners—Continued						
3	\$10.09	4.0	—	—	—	—
Personal service	8.30	4.1	\$8.21	4.3	\$9.17	12.6
1	6.41	6.0	—	—	6.41	6.0
3	7.14	7.6	—	—	—	—
4	8.88	2.6	—	—	—	—
Attendants, amusement, and recreation facilities	6.43	5.6	—	—	—	—
Child care workers, n.e.c.	—	—	—	—	8.26	11.1

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

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

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

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

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

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

NOTE: Dashes indicate that no data were reported or that data did not meet publication criteria, and n.e.c. means not elsewhere classified. Overall occupational groups may include data for categories not shown separately. IN THIS SURVEY, THE NONRESPONSE RATE FOR PRIVATE INDUSTRY EXCEEDED REGULAR SURVEY STANDARDS FOR PUBLICATION. ACCORDINGLY, USERS SHOULD INTERPRET THESE RESULTS WITH THIS LIMITATION IN MIND.

Table 4-2. Selected occupations¹ and levels,² full-time workers:³ Mean hourly earnings,⁴ private industry and State and local government, National Compensation Survey, York, PA, October 1999

Occupation and level	Total		Private industry		State and local government	
	Mean	Relative error ⁵ (percent)	Mean	Relative error ⁵ (percent)	Mean	Relative error ⁵ (percent)
All	\$15.75	2.0	\$15.15	2.3	\$20.70	3.6
All excluding sales	15.84	2.0	15.23	2.2	20.79	3.7
White collar	19.57	2.7	18.53	3.2	23.55	4.3
2	8.83	4.7	8.24	5.1	—	—
3	10.63	11.8	10.81	14.8	10.04	1.8
4	10.88	4.2	10.98	4.6	10.18	7.5
5	14.96	4.4	14.56	4.1	18.67	15.7
6	16.25	5.0	15.83	6.8	16.98	6.9
7	20.39	4.9	18.32	4.4	25.27	10.1
8	24.27	6.0	21.17	7.1	29.98	7.3
9	24.21	3.5	22.65	3.9	29.25	6.1
10	23.99	9.1	24.04	9.6	—	—
11	24.30	6.7	24.10	6.9	—	—
12	32.07	5.8	32.98	6.3	—	—
White collar excluding sales	20.26	2.5	19.25	3.0	23.71	4.2
2	8.68	5.3	7.89	5.8	—	—
3	11.08	12.3	11.44	14.7	—	—
4	11.29	4.6	11.51	5.0	10.18	7.5
5	14.65	4.8	14.07	4.0	18.67	15.7
6	16.25	5.0	15.83	6.8	16.98	6.9
7	20.03	5.3	17.58	3.6	25.27	10.1
8	24.27	6.0	21.17	7.1	29.98	7.3
9	24.21	3.5	22.65	3.9	29.25	6.1
10	23.99	9.1	24.04	9.6	—	—
11	24.73	7.1	24.54	7.3	—	—
12	32.07	5.8	32.98	6.3	—	—
Professional specialty and technical	22.65	2.8	20.15	3.8	27.76	4.0
Professional specialty	24.42	2.7	21.85	3.7	28.32	3.8
7	25.90	6.4	—	—	30.05	2.0
8	25.95	6.9	21.99	9.9	29.98	7.3
9	24.08	4.8	21.11	5.2	29.60	6.4
10	21.03	5.3	20.87	5.6	—	—
Engineers, architects, and surveyors	25.79	4.4	25.79	4.4	—	—
9	24.45	5.4	24.45	5.4	—	—
Industrial engineers	22.93	9.7	22.93	9.7	—	—
Mathematical and computer scientists	27.03	10.7	27.03	10.7	—	—
Health related	20.04	3.3	19.84	3.2	—	—
Registered nurses	20.29	3.3	20.28	3.3	—	—
Teachers, college and university	—	—	—	—	—	—
Teachers, except college and university	30.66	2.4	—	—	30.91	2.3
7	30.38	1.7	—	—	30.38	1.7
8	31.68	3.7	—	—	32.27	3.4
9	31.20	5.0	—	—	31.20	5.0
Elementary school teachers	31.54	2.4	—	—	31.54	2.4
9	31.49	5.6	—	—	31.49	5.6
Secondary school teachers	30.86	2.9	—	—	30.86	2.9
9	30.67	6.2	—	—	30.67	6.2
Teachers, special education	30.00	5.0	—	—	30.00	5.0
Librarians, archivists, and curators	—	—	—	—	—	—
Social scientists and urban planners	—	—	—	—	—	—
Social, recreation, and religious workers	14.63	7.6	—	—	—	—
Social workers	15.29	6.4	—	—	—	—
Writers, authors, entertainers, athletes, and professionals, n.e.c.	—	—	—	—	—	—
Technical	15.72	7.3	15.85	7.7	—	—
4	12.60	5.7	12.76	5.6	—	—
Executive, administrative, and managerial	25.22	5.5	25.35	6.0	24.22	13.8
7	15.59	8.7	—	—	—	—
9	24.20	5.1	24.21	5.3	—	—
11	24.10	9.5	23.79	10.0	—	—
12	32.52	7.4	—	—	—	—
Executives, administrators, and managers	29.21	5.2	29.30	6.0	28.75	5.7
9	22.39	7.5	22.24	8.2	—	—

See footnotes at end of table.

Table 4-2. **Selected occupations¹ and levels,² full-time workers:³ Mean hourly earnings,⁴ private industry and State and local government, National Compensation Survey, York, PA, October 1999 — Continued**

Occupation and level	Total		Private industry		State and local government	
	Mean	Relative error ⁵ (percent)	Mean	Relative error ⁵ (percent)	Mean	Relative error ⁵ (percent)
White collar —Continued						
Executive, administrative, and managerial —Continued						
Executives, administrators, and managers —Continued						
12	\$32.52	7.4	—	—	—	—
Administrators and officials, public administration	28.78	8.1	—	—	\$28.78	8.1
Administrators, education and related fields	36.35	12.1	—	—	—	—
Managers and administrators, n.e.c.	25.68	7.5	\$25.68	7.5	—	—
9	22.24	8.2	22.24	8.2	—	—
Management related	20.54	7.5	21.16	7.4	—	—
9	26.17	5.4	26.17	5.4	—	—
Accountants and auditors	19.43	7.0	19.43	7.0	—	—
Sales	13.13	9.4	13.19	9.6	—	—
5	16.04	12.0	16.04	12.0	—	—
Cashiers	7.58	9.2	—	—	—	—
Administrative support, including clerical	12.81	3.7	13.12	4.2	11.21	7.3
2	8.68	5.3	7.89	5.8	—	—
3	11.34	11.9	11.80	14.1	—	—
4	10.76	5.3	10.88	6.5	10.38	7.6
5	13.91	5.2	13.74	5.6	—	—
6	13.86	13.8	—	—	—	—
7	16.83	6.7	16.89	6.8	—	—
Secretaries	12.96	6.6	13.83	7.2	10.73	9.3
4	11.54	6.7	—	—	—	—
5	12.48	5.9	—	—	—	—
Bookkeepers, accounting and auditing clerks	10.64	11.2	10.82	14.8	—	—
Investigators and adjusters, except insurance	9.47	17.5	—	—	—	—
General office clerks	13.38	8.4	—	—	—	—
Blue collar	14.19	2.4	14.19	2.4	13.85	5.1
1	9.65	9.3	9.66	9.4	—	—
2	11.71	9.7	11.71	9.7	—	—
3	11.87	4.4	11.88	4.5	—	—
4	12.86	4.2	12.87	4.4	—	—
5	14.88	3.6	14.88	3.7	14.98	4.7
6	14.76	3.9	14.76	3.9	—	—
7	16.72	3.7	16.74	3.8	—	—
8	19.93	5.1	19.93	5.1	—	—
9	22.46	6.4	22.43	6.5	—	—
Precision production, craft, and repair	16.52	4.4	16.55	4.4	15.05	6.2
5	14.20	11.1	14.11	12.0	—	—
6	14.76	5.3	14.76	5.3	—	—
7	16.69	4.6	16.69	4.6	—	—
8	20.27	5.4	20.27	5.4	—	—
9	23.17	4.6	23.17	4.6	—	—
Industrial machinery repairers	15.44	3.4	15.44	3.4	—	—
5	13.24	4.4	13.24	4.4	—	—
6	15.69	3.8	15.69	3.8	—	—
7	17.50	2.1	17.50	2.1	—	—
Supervisors, production	16.95	8.7	16.95	8.7	—	—
7	14.63	8.3	14.63	8.3	—	—
9	21.23	10.3	21.23	10.3	—	—
Machine operators, assemblers, and inspectors	13.54	3.3	13.54	3.3	—	—
1	10.18	12.6	10.18	12.6	—	—
3	12.23	7.0	12.23	7.0	—	—
4	12.69	4.8	12.69	4.8	—	—
5	14.27	4.4	14.27	4.4	—	—
6	15.43	6.9	15.43	6.9	—	—
7	16.79	4.8	16.79	4.8	—	—

See footnotes at end of table.

Table 4-2. **Selected occupations¹ and levels,² full-time workers:³ Mean hourly earnings,⁴ private industry and State and local government, National Compensation Survey, York, PA, October 1999 — Continued**

Occupation and level	Total		Private industry		State and local government	
	Mean	Relative error ⁵ (percent)	Mean	Relative error ⁵ (percent)	Mean	Relative error ⁵ (percent)
Blue collar —Continued						
Machine operators, assemblers, and inspectors						
—Continued						
Grinding, abrading, buffing, and polishing machine operators	\$12.80	14.1	\$12.80	14.1	—	—
Fabricating machine operators, n.e.c.	14.23	11.5	14.23	11.5	—	—
5	16.89	2.0	16.89	2.0	—	—
Molding and casting machine operators	12.53	4.3	12.53	4.3	—	—
Printing press operators	15.29	8.7	15.29	8.7	—	—
Photoengravers and lithographers	12.60	9.2	12.60	9.2	—	—
Miscellaneous machine operators, n.e.c.	12.95	6.9	12.95	6.9	—	—
4	13.84	7.6	13.84	7.6	—	—
Welders and cutters	18.35	4.6	18.35	4.6	—	—
Assemblers	13.05	7.2	13.05	7.2	—	—
Production inspectors, checkers and examiners ..	12.63	10.5	12.63	10.5	—	—
Transportation and material moving	14.76	4.6	14.83	4.9	\$13.87	6.8
3	12.03	9.7	12.19	11.0	—	—
4	14.04	5.6	14.19	5.9	—	—
Industrial truck and tractor equipment operators ..	11.94	5.5	11.94	5.5	—	—
Miscellaneous material moving equipment operators, n.e.c.	15.94	8.0	—	—	—	—
Handlers, equipment cleaners, helpers, and laborers	12.10	5.8	12.10	5.8	—	—
1	9.15	11.9	9.16	12.2	—	—
2	12.53	11.0	12.53	11.0	—	—
3	11.47	7.3	11.45	7.4	—	—
4	12.48	9.9	12.52	10.3	—	—
5	13.76	12.0	—	—	—	—
Production helpers	12.14	7.5	12.04	7.7	—	—
Stock handlers and baggers	10.66	10.7	10.66	10.7	—	—
3	10.25	13.0	10.25	13.0	—	—
Machine feeders and offbearers	10.07	11.9	10.07	11.9	—	—
Freight, stock, and material handlers, n.e.c.	14.32	9.7	14.32	9.7	—	—
Hand packers and packagers	10.80	8.4	10.83	8.4	—	—
Laborers, except construction, n.e.c.	11.37	5.4	11.37	5.4	—	—
Service	9.81	5.4	8.50	4.0	13.94	6.6
1	8.36	9.9	7.85	11.8	—	—
3	8.98	8.3	8.46	8.6	10.92	4.6
4	8.93	2.2	—	—	—	—
Protective service	11.31	22.1	—	—	18.36	9.0
Police and detectives, public service	22.38	8.7	—	—	22.38	8.7
Food service	7.60	4.2	—	—	—	—
Other food service	7.60	4.2	—	—	—	—
Health service	9.97	5.3	—	—	—	—
Cleaning and building service	9.64	6.6	9.09	9.6	10.62	4.7
1	8.62	10.9	8.09	12.9	—	—
3	10.33	3.8	—	—	—	—
Janitors and cleaners	9.45	6.6	9.09	9.6	10.19	3.0
1	8.62	10.9	8.09	12.9	—	—
3	10.33	3.8	—	—	—	—

See footnotes at end of table.

Table 4-2. Selected occupations¹ and levels,² full-time workers:³ Mean hourly earnings,⁴ private industry and State and local government, National Compensation Survey, York, PA, October 1999 — Continued

Occupation and level	Total		Private industry		State and local government	
	Mean	Relative error ⁵ (percent)	Mean	Relative error ⁵ (percent)	Mean	Relative error ⁵ (percent)
Service —Continued						
Personal service	\$8.59	4.2	—	—	—	—

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

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

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

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

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

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

NOTE: Dashes indicate that no data were reported or that data did not meet publication criteria, and n.e.c. means not elsewhere classified. Overall occupational groups may include data for categories not shown separately. IN THIS SURVEY, THE NONRESPONSE RATE FOR PRIVATE INDUSTRY EXCEEDED REGULAR SURVEY STANDARDS FOR PUBLICATION. ACCORDINGLY, USERS SHOULD INTERPRET THESE RESULTS WITH THIS LIMITATION IN MIND.

Table 4-3. Selected occupations¹ and levels,² part-time workers:³ Mean hourly earnings,⁴ private industry and State and local government, National Compensation Survey, York, PA, October 1999

Occupation and level	Total		Private industry		State and local government	
	Mean	Relative error ⁵ (percent)	Mean	Relative error ⁵ (percent)	Mean	Relative error ⁵ (percent)
All	\$9.25	7.7	\$9.15	8.7	\$10.01	8.7
All excluding sales	10.03	8.6	10.04	9.9	10.01	8.7
White collar	10.04	11.0	9.88	11.8	12.97	16.1
2	7.78	11.7	7.76	12.0	—	—
3	6.74	6.0	6.74	6.0	—	—
4	9.74	10.6	9.87	10.9	—	—
5	12.07	3.3	12.09	3.4	—	—
White collar excluding sales	12.19	11.6	12.12	12.7	12.97	16.1
4	9.74	10.6	9.87	10.9	—	—
5	12.20	3.6	—	—	—	—
Professional specialty and technical	14.47	12.0	14.52	13.1	14.01	15.7
Professional specialty	16.27	14.9	16.81	16.4	14.01	15.7
Teachers, college and university	—	—	—	—	—	—
Teachers, except college and university	12.15	18.4	—	—	14.01	15.7
Social scientists and urban planners	—	—	—	—	—	—
Social, recreation, and religious workers	—	—	—	—	—	—
Technical	—	—	—	—	—	—
Executive, administrative, and managerial	—	—	—	—	—	—
Executives, administrators, and managers	—	—	—	—	—	—
Sales	6.43	4.3	6.43	4.3	—	—
2	6.37	1.5	6.37	1.5	—	—
3	6.33	2.8	6.33	2.8	—	—
Sales workers, other commodities	6.38	2.8	6.38	2.8	—	—
Cashiers	6.06	3.7	6.06	3.7	—	—
Administrative support, including clerical	8.57	7.7	8.61	7.9	—	—
Blue collar	8.21	3.9	8.08	4.7	—	—
1	6.54	2.3	6.55	2.2	—	—
Precision production, craft, and repair	—	—	—	—	—	—
Machine operators, assemblers, and inspectors	—	—	—	—	—	—
Transportation and material moving	—	—	—	—	—	—
Handlers, equipment cleaners, helpers, and laborers	7.17	2.5	7.18	2.5	—	—
1	6.54	2.3	6.55	2.2	—	—
Stock handlers and baggers	7.06	5.7	7.06	5.7	—	—
Service	8.08	3.5	7.85	3.9	8.68	5.9
1	6.74	6.4	—	—	7.14	5.2
2	7.30	2.8	7.21	3.3	—	—
3	8.29	8.1	7.83	10.9	9.30	5.2
4	8.53	3.4	—	—	—	—
Protective service	—	—	—	—	—	—
Food service	8.39	8.7	—	—	9.35	8.4
Other food service	8.39	8.7	—	—	9.35	8.4
Health service	—	—	—	—	—	—
Cleaning and building service	7.71	1.8	—	—	—	—
Janitors and cleaners	7.71	1.8	—	—	—	—

See footnotes at end of table.

Table 4-3. **Selected occupations¹ and levels,² part-time workers:³ Mean hourly earnings,⁴ private industry and State and local government, National Compensation Survey, York, PA, October 1999 — Continued**

Occupation and level	Total		Private industry		State and local government	
	Mean	Relative error ⁵ (percent)	Mean	Relative error ⁵ (percent)	Mean	Relative error ⁵ (percent)
Service —Continued						
Personal service	\$7.47	5.6	\$7.35	6.5	\$7.85	9.4
3	7.14	7.6	—	—	—	—
Attendants, amusement, and recreation facilities	6.43	5.6	—	—	—	—
Child care workers, n.e.c.	8.29	4.4	—	—	8.26	11.1

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

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

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

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

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

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

NOTE: Dashes indicate that no data were reported or that data did not meet publication criteria, and n.e.c. means not elsewhere classified. Overall occupational groups may include data for categories not shown separately. IN THIS SURVEY, THE NONRESPONSE RATE FOR 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 earnings¹ by occupational group,² National Compensation Survey, York, PA, October 1999**

Occupational group	Private industry and State and local government					
	Full-time workers ³	Part-time workers ³	Union ⁴	Nonunion ⁴	Time ⁵	Incentive ⁵
	Mean					
All occupations	\$15.75	\$9.25	\$17.78	\$14.42	\$15.47	\$13.14
All excluding sales	15.84	10.03	17.80	14.64	15.73	11.93
White collar	19.57	10.04	25.78	17.59	18.64	18.27
White-collar excluding sales	20.26	12.19	26.05	18.64	19.70	—
Professional specialty and technical	22.65	14.47	28.50	19.77	21.90	—
Professional specialty	24.42	16.27	29.09	21.70	23.91	—
Technical	15.72	—	—	14.89	15.10	—
Executive, administrative, and managerial	25.22	—	—	25.02	25.23	—
Sales	13.13	6.43	—	11.14	8.87	18.30
Administrative support, including clerical	12.81	8.57	11.48	12.51	12.35	—
Blue collar	14.19	8.21	16.45	12.58	14.23	12.14
Precision production, craft, and repair	16.52	—	17.74	16.02	16.51	—
Machine operators, assemblers, and inspectors	13.54	—	16.32	11.52	13.97	10.93
Transportation and material moving	14.76	—	—	12.90	14.73	—
Handlers, equipment cleaners, helpers, and laborers	12.10	7.17	15.69	9.67	11.62	—
Service	9.81	8.08	12.87	8.53	9.57	—
	Relative error ⁶ (percent)					
All occupations	2.0	7.7	2.3	3.1	2.2	8.2
All excluding sales	2.0	8.6	2.3	3.1	2.1	6.6
White collar	2.7	11.0	4.6	3.4	3.0	16.4
White-collar excluding sales	2.5	11.6	4.5	2.9	2.5	—
Professional specialty and technical	2.8	12.0	3.9	3.6	2.7	—
Professional specialty	2.7	14.9	3.9	3.4	2.6	—
Technical	7.3	—	—	6.8	6.4	—
Executive, administrative, and managerial	5.5	—	—	5.7	5.5	—
Sales	9.4	4.3	—	11.2	9.4	18.6
Administrative support, including clerical	3.7	7.7	9.7	4.1	3.8	—
Blue collar	2.4	3.9	1.9	3.7	2.6	6.6
Precision production, craft, and repair	4.4	—	5.0	5.8	4.3	—
Machine operators, assemblers, and inspectors	3.3	—	1.6	3.7	3.4	4.4
Transportation and material moving	4.6	—	—	6.1	5.1	—
Handlers, equipment cleaners, helpers, and laborers	5.8	2.5	3.7	3.3	6.3	—
Service	5.4	3.5	8.4	4.0	4.8	—

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

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

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

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

⁵ Time workers' wages are based solely on an hourly rate or salary; incentive workers are those whose wages are at least partially based on productivity payments such as piece rates, commissions, and production bonuses.

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

NOTE: Dashes indicate that no data were reported or that data did not meet publication criteria. IN THIS SURVEY, THE NONRESPONSE RATE FOR 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 earnings¹ by occupational group,² private industry, National Compensation Survey, York, PA, October 1999

Occupational group	Full-time and part-time workers									
	All private industries	Goods-producing industries ³				Service-producing industries ⁴				
		Total	Mining	Construction	Manufacturing	Total	Transportation and public utilities	Wholesale and retail trade	Finance, insurance, and real estate	Services
	Mean									
All occupations	\$14.77	\$15.27	-	-	\$15.19	-	-	-	-	\$13.71
All excluding sales	14.97	15.24	-	-	15.16	-	-	-	-	13.72
White collar	17.52	20.43	-	-	20.04	-	-	-	-	17.88
White-collar excluding sales	18.66	20.47	-	-	20.07	-	-	-	-	17.93
Professional specialty and technical	19.47	23.29	-	-	23.29	-	-	-	-	17.01
Professional specialty	21.44	25.09	-	-	25.09	-	-	-	-	18.78
Technical	15.16	18.52	-	-	18.52	-	-	-	-	13.63
Executive, administrative, and managerial	25.35	23.83	-	-	22.89	-	-	-	-	29.41
Sales	11.14	-	-	-	-	-	-	-	-	-
Administrative support, including clerical	12.67	13.92	-	-	13.92	-	-	-	-	9.66
Blue collar	14.07	13.80	-	-	13.74	-	-	-	-	11.92
Precision production, craft, and repair	16.52	15.47	-	-	15.88	-	-	-	-	-
Machine operators, assemblers, and inspectors	13.54	13.51	-	-	13.50	-	-	-	-	-
Transportation and material moving	14.83	13.41	-	-	13.30	-	-	-	-	-
Handlers, equipment cleaners, helpers, and laborers	11.75	11.99	-	-	11.96	-	-	-	-	-
Service	8.40	-	-	-	-	-	-	-	-	8.09
	Relative error ⁵ (percent)									
All occupations	2.4	2.5	-	-	2.6	-	-	-	-	7.5
All excluding sales	2.3	2.5	-	-	2.7	-	-	-	-	7.5
White collar	3.6	3.7	-	-	3.4	-	-	-	-	5.9
White-collar excluding sales	3.1	3.9	-	-	3.6	-	-	-	-	5.9
Professional specialty and technical	3.7	5.3	-	-	5.3	-	-	-	-	4.5
Professional specialty	3.5	5.6	-	-	5.6	-	-	-	-	3.8
Technical	6.7	11.9	-	-	11.9	-	-	-	-	4.1
Executive, administrative, and managerial	6.0	5.9	-	-	5.6	-	-	-	-	12.6
Sales	11.2	-	-	-	-	-	-	-	-	-
Administrative support, including clerical	4.2	4.8	-	-	4.8	-	-	-	-	7.5
Blue collar	2.5	2.5	-	-	2.8	-	-	-	-	4.8
Precision production, craft, and repair	4.4	3.9	-	-	4.3	-	-	-	-	-
Machine operators, assemblers, and inspectors	3.3	3.4	-	-	3.4	-	-	-	-	-
Transportation and material moving	4.9	5.0	-	-	5.3	-	-	-	-	-
Handlers, equipment cleaners, helpers, and laborers	6.2	5.8	-	-	5.9	-	-	-	-	-
Service	3.6	-	-	-	-	-	-	-	-	3.7

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

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

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

⁴ Service-producing industries include transportation and public utilities; wholesale

and retail trade; finance, insurance, and real estate; and services.

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

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Table 5-3. Establishment employment size: Mean hourly earnings¹ by occupational group,² private industry, National Compensation Survey, York, PA, October 1999

Occupational group	Full-time and part-time workers				
	All private industry workers	50 - 99 workers ³	100 workers or more		
			Total	100 - 499 workers	500 workers or more
Mean					
All occupations	\$14.77	\$13.99	\$14.95	\$14.31	\$16.40
All excluding sales	14.97	13.72	15.24	14.69	16.42
White collar	17.52	17.15	17.60	16.75	18.90
White-collar excluding sales	18.66	17.26	18.93	18.91	18.95
Professional specialty and technical	19.47	16.59	20.06	21.06	19.26
Professional specialty	21.44	18.16	22.02	21.82	22.21
Technical	15.16	—	15.45	18.64	—
Executive, administrative, and managerial	25.35	21.87	26.24	25.82	26.70
Sales	11.14	16.82	8.51	8.53	—
Administrative support, including clerical	12.67	12.67	12.67	13.70	10.48
Blue collar	14.07	13.13	14.28	14.05	14.93
Precision production, craft, and repair	16.52	15.28	17.35	17.01	18.51
Machine operators, assemblers, and inspectors	13.54	10.36	13.85	12.91	16.05
Transportation and material moving	14.83	10.83	15.45	15.79	13.77
Handlers, equipment cleaners, helpers, and laborers	11.75	10.01	11.98	12.22	11.43
Service	8.40	8.19	8.46	8.28	9.21
Relative error ⁴ (percent)					
All occupations	2.4	5.4	2.8	3.6	5.5
All excluding sales	2.3	6.3	2.7	3.5	5.4
White collar	3.6	7.0	4.1	5.7	4.8
White-collar excluding sales	3.1	8.9	3.2	4.3	4.8
Professional specialty and technical	3.7	8.5	4.1	7.3	4.8
Professional specialty	3.5	9.9	4.1	7.4	4.1
Technical	6.7	—	8.0	14.5	—
Executive, administrative, and managerial	6.0	18.3	5.3	7.2	7.7
Sales	11.2	7.8	12.1	12.2	—
Administrative support, including clerical	4.2	6.9	4.7	4.1	10.2
Blue collar	2.5	7.9	3.0	3.7	7.1
Precision production, craft, and repair	4.4	9.0	2.8	3.9	8.6
Machine operators, assemblers, and inspectors	3.3	10.9	3.4	4.6	3.4
Transportation and material moving	4.9	10.9	4.2	4.6	4.1
Handlers, equipment cleaners, helpers, and laborers	6.2	9.3	6.9	7.7	11.9
Service	3.6	8.0	4.6	5.2	5.8

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

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

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

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

NOTE: Dashes indicate that no data were reported or that data did not meet publication criteria. IN THIS SURVEY, THE NONRESPONSE RATE FOR 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 jobs¹, all workers:² Selected occupations, all industries, National Compensation Survey, York, PA, October 1999

Occupation ³	10	25	Median 50	75	90
All	\$8.09	\$10.21	\$14.31	\$17.74	\$25.11
All excluding sales	8.56	10.35	14.50	17.74	25.39
White collar	8.69	11.05	17.19	24.82	31.44
White collar excluding sales	9.98	12.31	18.37	25.86	31.63
Professional specialty and technical	12.00	15.75	20.84	28.28	32.65
Professional specialty	14.88	19.44	22.61	30.13	32.97
Engineers, architects, and surveyors	19.25	21.19	26.42	29.55	31.63
Industrial engineers	17.38	18.00	21.19	28.67	31.25
Mathematical and computer scientists	22.14	22.28	22.28	35.32	40.87
Health related	15.75	18.50	20.50	20.90	24.21
Registered nurses	17.98	18.59	20.50	21.07	24.21
Teachers, college and university	—	—	—	—	—
Teachers, except college and university	22.61	28.28	30.14	32.71	36.31
Elementary school teachers	27.64	29.05	30.17	33.54	36.31
Secondary school teachers	25.45	30.09	31.44	32.10	35.05
Teachers, special education	27.50	27.83	28.28	34.05	36.31
Teachers, n.e.c.	7.56	21.28	22.03	32.71	32.71
Librarians, archivists, and curators	—	—	—	—	—
Social scientists and urban planners	—	—	—	—	—
Social, recreation, and religious workers	10.75	12.00	14.83	17.00	20.00
Social workers	11.47	12.00	14.83	18.46	20.00
Writers, authors, entertainers, athletes, and professionals, n.e.c.	—	—	—	—	—
Technical	10.48	12.94	14.35	16.34	19.50
Licensed practical nurses	12.94	13.72	14.27	15.00	15.00
Executive, administrative, and managerial	16.20	18.51	25.24	31.25	34.19
Executives, administrators, and managers	18.20	24.00	30.23	33.84	40.77
Administrators and officials, public administration	25.24	25.24	25.86	33.62	34.37
Administrators, education and related fields	24.00	26.83	39.25	44.89	44.89
Managers and administrators, n.e.c.	16.20	23.55	25.00	31.25	31.25
Management related	13.88	16.88	19.23	27.31	28.70
Accountants and auditors	16.83	16.88	18.51	22.10	27.50
Sales	6.07	6.45	9.50	13.37	22.84
Sales workers, other commodities	6.13	6.18	9.59	13.37	22.84
Cashiers	5.27	6.03	6.57	7.00	9.45
Administrative support, including clerical	8.15	9.55	11.36	15.63	18.02
Secretaries	8.40	11.36	12.09	13.00	18.26
Receptionists	6.29	8.73	9.07	9.56	9.56
Bookkeepers, accounting and auditing clerks	6.39	8.70	9.25	10.13	17.90
Investigators and adjusters, except insurance	6.19	6.81	7.45	14.60	15.50
General office clerks	9.16	10.15	12.14	15.89	15.89
Teachers' aides	6.97	8.28	10.10	10.74	10.74
Blue collar	8.85	10.49	14.22	16.91	17.96
Precision production, craft, and repair	11.91	12.93	15.71	18.22	23.56
Industrial machinery repairers	12.20	14.78	15.38	16.94	17.81
Supervisors, production	11.32	12.25	17.42	19.66	25.70
Machine operators, assemblers, and inspectors	8.75	10.26	13.40	16.68	17.74
Grinding, abrading, buffing, and polishing machine operators	8.86	8.86	12.60	16.15	17.74
Fabricating machine operators, n.e.c.	10.05	10.05	15.31	17.74	19.22
Molding and casting machine operators	10.99	11.20	11.91	13.40	14.89
Printing press operators	8.79	15.73	16.48	16.91	17.74
Photoengravers and lithographers	9.00	10.17	12.52	15.74	15.74
Miscellaneous machine operators, n.e.c.	8.71	10.40	12.58	16.59	16.59
Welders and cutters	13.89	16.68	17.74	19.55	22.56
Assemblers	8.09	8.82	12.07	16.94	16.94
Production inspectors, checkers and examiners ..	7.87	10.08	10.26	16.76	17.74
Transportation and material moving	10.34	12.05	15.70	16.83	17.18
Industrial truck and tractor equipment operators ..	9.26	10.80	11.34	13.53	15.20
Miscellaneous material moving equipment operators, n.e.c.	11.74	13.62	15.86	16.05	19.83

See footnotes at end of table.

Table 6-1. Hourly wage percentiles for establishment jobs¹, all workers:² Selected occupations, all industries, National Compensation Survey, York, PA, October 1999 — Continued

Occupation ³	10	25	Median 50	75	90
Blue collar –Continued					
Handlers, equipment cleaners, helpers, and laborers	\$7.87	\$9.05	\$10.26	\$16.39	\$17.10
Production helpers	7.92	11.16	11.72	14.31	15.70
Stock handlers and baggers	6.59	7.23	9.14	11.85	15.30
Machine feeders and offbearers	8.00	8.04	9.05	9.90	16.39
Freight, stock, and material handlers, n.e.c.	9.15	9.77	16.94	17.10	17.10
Hand packers and packagers	9.22	9.69	9.69	10.66	16.40
Laborers, except construction, n.e.c.	6.75	10.22	10.26	11.73	13.94
Service	6.91	7.39	8.74	10.45	13.06
Protective service	7.13	7.13	7.13	14.50	20.04
Police and detectives, public service	18.20	20.04	20.24	27.70	27.70
Food service	6.70	6.91	7.31	7.78	10.31
Other food service	6.70	6.91	7.31	7.78	10.31
Kitchen workers, food preparation	6.91	6.91	6.92	7.31	10.16
Health service	8.16	8.78	10.22	10.35	12.15
Nursing aides, orderlies and attendants	8.75	8.78	10.22	10.35	12.15
Cleaning and building service	6.75	7.45	9.55	11.27	12.35
Janitors and cleaners	5.44	7.39	9.55	11.27	12.25
Personal service	6.59	7.40	8.66	8.66	9.06
Attendants, amusement, and recreation facilities	5.75	5.75	6.62	7.00	7.00

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

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

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

NOTE: Dashes indicate that no data were reported or that data did not meet publication criteria, and n.e.c. means not elsewhere classified. Overall occupational groups may include data for categories not shown separately. IN THIS SURVEY, THE NONRESPONSE RATE FOR 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 jobs¹, all workers:² Selected occupations, private industry, National Compensation Survey, York, PA, October 1999

Occupation ³	Private industry				
	10	25	Median 50	75	90
All	\$8.03	\$10.05	\$14.22	\$17.19	\$22.70
All excluding sales	8.36	10.29	14.35	17.32	22.56
White collar	8.40	10.90	16.20	22.28	28.70
White collar excluding sales	9.98	12.20	17.52	23.19	29.30
Professional specialty and technical	11.25	14.83	19.44	23.19	27.16
Professional specialty	12.31	18.59	20.84	24.21	31.25
Engineers, architects, and surveyors	19.25	21.19	26.42	29.55	31.63
Industrial engineers	17.38	18.00	21.19	28.67	31.25
Mathematical and computer scientists	22.14	22.28	22.28	35.32	40.87
Health related	15.75	18.50	20.50	20.90	22.44
Registered nurses	17.98	18.59	20.50	21.07	24.21
Teachers, college and university	-	-	-	-	-
Teachers, except college and university	-	-	-	-	-
Social scientists and urban planners	-	-	-	-	-
Social, recreation, and religious workers	5.25	10.75	12.31	14.83	14.83
Writers, authors, entertainers, athletes, and professionals, n.e.c.	-	-	-	-	-
Technical	10.48	12.94	14.27	16.34	19.50
Licensed practical nurses	12.62	12.94	13.72	14.35	15.58
Executive, administrative, and managerial	16.20	18.51	25.00	31.25	34.19
Executives, administrators, and managers	17.23	23.55	30.23	33.84	40.77
Managers and administrators, n.e.c.	16.20	23.55	25.00	31.25	31.25
Management related	13.88	16.88	21.42	27.31	28.70
Accountants and auditors	16.83	16.88	18.51	22.10	27.50
Sales	6.07	6.45	9.50	13.37	22.84
Sales workers, other commodities	6.13	6.18	9.59	13.37	22.84
Cashiers	5.27	6.03	6.57	6.57	7.48
Administrative support, including clerical	8.40	9.55	11.89	15.63	18.26
Secretaries	11.36	11.89	12.41	15.45	18.26
Receptionists	6.29	8.73	9.07	9.56	9.56
Bookkeepers, accounting and auditing clerks	6.39	8.63	8.79	10.13	17.90
Investigators and adjusters, except insurance	6.19	6.81	7.45	14.60	15.50
General office clerks	8.50	12.14	15.89	15.89	15.89
Blue collar	8.85	10.44	14.22	16.94	18.01
Precision production, craft, and repair	11.74	12.93	15.71	18.24	23.56
Industrial machinery repairers	12.20	14.78	15.38	16.94	17.81
Supervisors, production	11.32	12.25	17.42	19.66	25.70
Machine operators, assemblers, and inspectors	8.75	10.26	13.40	16.68	17.74
Grinding, abrading, buffing, and polishing machine operators	8.86	8.86	12.60	16.15	17.74
Fabricating machine operators, n.e.c.	10.05	10.05	15.31	17.74	19.22
Molding and casting machine operators	10.99	11.20	11.91	13.40	14.89
Printing press operators	8.79	15.73	16.48	16.91	17.72
Photoengravers and lithographers	9.00	10.17	12.52	15.74	15.74
Miscellaneous machine operators, n.e.c.	8.71	10.40	12.58	16.59	16.59
Welders and cutters	13.89	16.68	17.74	19.55	22.56
Assemblers	8.09	8.82	12.07	16.94	16.94
Production inspectors, checkers and examiners ..	7.87	10.08	10.26	16.76	17.74
Transportation and material moving	10.34	12.31	15.86	17.18	17.18
Industrial truck and tractor equipment operators ..	9.26	10.80	11.34	13.53	15.20
Handlers, equipment cleaners, helpers, and laborers	7.87	9.05	10.26	16.39	17.10
Production helpers	7.92	10.76	11.72	13.93	14.31
Stock handlers and baggers	6.59	7.23	9.14	11.85	15.30
Machine feeders and offbearers	8.00	8.04	9.05	9.90	16.39
Freight, stock, and material handlers, n.e.c.	9.15	9.77	16.94	17.10	17.10
Hand packers and packagers	9.22	9.69	9.69	10.66	16.40
Laborers, except construction, n.e.c.	6.75	10.22	10.26	11.73	13.94

See footnotes at end of table.

Table 6-2. Hourly wage percentiles for establishment jobs¹, all workers:² Selected occupations, private industry, National Compensation Survey, York, PA, October 1999 — Continued

Occupation ³	Private industry				
	10	25	Median 50	75	90
Service	\$6.75	\$7.13	\$8.05	\$9.06	\$10.45
Protective service	—	—	—	—	—
Food service	6.70	6.70	7.12	7.78	7.78
Other food service	6.70	6.70	7.12	7.78	7.78
Health service	8.00	8.78	9.08	10.35	10.35
Nursing aides, orderlies and attendants	8.75	8.78	9.08	10.35	10.35
Cleaning and building service	5.44	7.39	7.69	11.27	12.25
Janitors and cleaners	5.44	7.39	7.69	11.27	12.25
Personal service	6.59	7.40	8.66	8.66	9.06

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

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

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

NOTE: Dashes indicate that no data were reported or that data did not meet publication criteria, and n.e.c. means not elsewhere classified. Overall occupational groups may include data for categories not shown separately. IN THIS SURVEY, THE NONRESPONSE RATE FOR 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 jobs¹, all workers:² Selected occupations, State and local government, National Compensation Survey, York, PA, October 1999

Occupation ³	State and local government				
	10	25	Median 50	75	90
All	\$9.65	\$11.29	\$16.82	\$30.09	\$33.01
All excluding sales	9.65	11.38	16.88	30.09	33.01
White collar	10.00	13.06	26.66	31.44	34.37
White collar excluding sales	10.00	13.73	26.66	31.44	34.37
Professional specialty and technical	15.00	22.61	29.56	32.71	36.15
Professional specialty	15.54	23.63	30.13	32.71	36.31
Health related	-	-	-	-	-
Teachers, college and university	-	-	-	-	-
Teachers, except college and university	24.03	28.70	30.57	32.92	36.31
Elementary school teachers	27.64	29.05	30.17	33.54	36.31
Secondary school teachers	25.45	30.09	31.44	32.10	35.05
Teachers, special education	27.50	27.83	28.28	34.05	36.31
Librarians, archivists, and curators	-	-	-	-	-
Social, recreation, and religious workers	-	-	-	-	-
Technical	-	-	-	-	-
Executive, administrative, and managerial	10.00	15.32	25.24	32.32	34.37
Executives, administrators, and managers	24.00	25.24	30.93	33.62	34.37
Administrators and officials, public administration	25.24	25.24	25.86	33.62	34.37
Management related	-	-	-	-	-
Sales	-	-	-	-	-
Administrative support, including clerical	8.15	9.58	10.15	11.38	16.72
Secretaries	8.15	8.15	10.85	12.98	13.73
Teachers' aides	6.97	8.28	10.10	10.74	10.74
Blue collar	11.29	11.58	12.91	16.05	16.88
Precision production, craft, and repair	12.91	12.91	16.16	16.88	16.88
Transportation and material moving	11.29	11.29	12.68	13.76	16.75
Handlers, equipment cleaners, helpers, and laborers	-	-	-	-	-
Service	8.74	9.70	12.15	14.50	20.04
Protective service	14.50	14.50	15.11	20.24	27.70
Police and detectives, public service	18.20	20.04	20.24	27.70	27.70
Food service	6.82	6.93	10.16	10.31	12.04
Other food service	6.82	6.93	10.16	10.31	12.04
Health service	-	-	-	-	-
Cleaning and building service	8.74	9.70	10.35	10.72	13.47
Janitors and cleaners	8.74	9.36	10.35	10.58	11.79
Personal service	5.72	6.77	9.66	13.06	13.06
Child care workers, n.e.c.	5.72	6.77	9.66	9.66	9.66

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

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

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

NOTE: Dashes indicate that no data were reported or that data did not meet publication criteria, and n.e.c. means not elsewhere classified. Overall occupational groups may include data for categories not shown separately. IN THIS SURVEY, THE NONRESPONSE RATE FOR 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 jobs¹, full-time workers:² Selected occupations, all industries, National Compensation Survey, York, PA, October 1999

Occupation ³	10	25	Median 50	75	90
All	\$8.72	\$10.50	\$14.83	\$17.96	\$25.70
All excluding sales	8.76	10.63	15.00	17.96	25.75
White collar	9.59	12.20	18.37	25.61	31.63
White collar excluding sales	10.48	13.72	18.66	27.16	32.32
Professional specialty and technical	13.72	17.05	21.07	29.05	32.71
Professional specialty	15.75	19.44	23.07	30.14	33.01
Engineers, architects, and surveyors	19.25	21.19	26.42	29.55	31.63
Industrial engineers	17.38	18.00	21.19	28.67	31.25
Mathematical and computer scientists	22.14	22.28	22.28	35.32	40.87
Health related	15.75	18.50	20.50	20.90	24.21
Registered nurses	17.98	18.59	20.50	21.07	24.21
Teachers, college and university	—	—	—	—	—
Teachers, except college and university	25.89	28.70	30.57	32.92	36.31
Elementary school teachers	27.64	29.05	30.17	33.54	36.31
Secondary school teachers	26.66	30.09	31.44	32.10	35.05
Teachers, special education	27.50	27.83	28.28	34.05	36.31
Librarians, archivists, and curators	—	—	—	—	—
Social scientists and urban planners	—	—	—	—	—
Social, recreation, and religious workers	11.47	12.00	14.83	18.46	20.00
Social workers	12.00	12.31	14.88	18.46	20.00
Writers, authors, entertainers, athletes, and professionals, n.e.c.	—	—	—	—	—
Technical	11.05	13.43	15.00	16.72	24.30
Executive, administrative, and managerial	16.20	18.51	25.24	31.25	34.19
Executives, administrators, and managers	18.20	24.00	30.23	33.84	40.77
Administrators and officials, public administration	25.24	25.24	25.86	33.62	34.37
Administrators, education and related fields	24.00	26.83	39.25	44.89	44.89
Managers and administrators, n.e.c.	16.20	23.55	25.00	31.25	31.25
Management related	13.88	16.88	19.23	27.31	28.70
Accountants and auditors	16.83	16.88	18.51	22.10	27.50
Sales	6.57	9.50	10.50	19.88	24.82
Cashiers	6.57	6.57	6.57	7.48	10.71
Administrative support, including clerical	8.63	9.65	11.89	15.63	18.02
Secretaries	10.85	11.36	12.09	13.73	18.26
Bookkeepers, accounting and auditing clerks	8.63	8.70	9.65	10.13	17.90
Investigators and adjusters, except insurance	6.19	6.81	7.45	14.60	15.50
General office clerks	10.15	10.15	12.14	15.89	15.89
Blue collar	9.05	10.66	14.31	16.94	18.05
Precision production, craft, and repair	11.74	12.93	15.71	18.22	23.56
Industrial machinery repairers	12.20	14.78	15.38	16.94	17.81
Supervisors, production	11.32	12.25	17.42	19.66	25.70
Machine operators, assemblers, and inspectors	8.75	10.29	13.40	16.68	17.74
Grinding, abrading, buffing, and polishing machine operators	8.86	8.86	12.60	16.15	17.74
Fabricating machine operators, n.e.c.	10.05	10.05	15.31	17.74	19.22
Molding and casting machine operators	10.99	11.20	11.91	13.40	14.89
Printing press operators	8.79	15.73	16.48	16.91	17.72
Photoengravers and lithographers	9.00	10.17	12.52	15.74	15.74
Miscellaneous machine operators, n.e.c.	8.71	10.40	12.58	16.59	16.59
Welders and cutters	13.89	16.68	17.74	19.55	22.56
Assemblers	8.09	8.82	12.07	16.94	16.94
Production inspectors, checkers and examiners ..	7.87	10.08	10.26	16.76	17.74
Transportation and material moving	10.34	12.31	15.76	16.83	17.18
Industrial truck and tractor equipment operators ..	9.26	10.80	11.34	13.53	15.20
Miscellaneous material moving equipment operators, n.e.c.	11.74	13.62	15.86	16.05	19.83
Handlers, equipment cleaners, helpers, and laborers	8.04	9.15	10.55	16.40	17.10
Production helpers	7.92	11.16	11.72	14.31	15.70
Stock handlers and baggers	7.23	7.23	9.29	14.66	16.77
Machine feeders and offbearers	8.00	8.04	9.05	9.90	16.39

See footnotes at end of table.

Table 6-4. Hourly wage percentiles for establishment jobs¹, full-time workers:² Selected occupations, all industries, National Compensation Survey, York, PA, October 1999 — Continued

Occupation ³	10	25	Median 50	75	90
Blue collar —Continued					
Handlers, equipment cleaners, helpers, and laborers —Continued					
Freight, stock, and material handlers, n.e.c.	\$9.15	\$9.77	\$16.94	\$17.10	\$17.10
Hand packers and packagers	9.22	9.69	9.69	10.66	16.40
Laborers, except construction, n.e.c.	10.22	10.26	10.51	11.73	13.94
Service	7.13	7.39	8.78	10.58	13.47
Protective service	7.13	7.13	7.13	14.50	20.04
Police and detectives, public service	18.20	20.04	20.24	27.70	27.70
Food service	6.70	6.91	7.78	7.78	9.78
Other food service	6.70	6.91	7.78	7.78	9.78
Health service	8.16	8.78	10.35	10.35	12.15
Cleaning and building service	5.44	7.39	9.70	11.27	12.35
Janitors and cleaners	5.44	7.39	9.70	11.27	12.25
Personal service	7.40	8.05	8.66	9.06	9.06

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

² Employees are classified as working either a full-time or a part-time schedule based on the definition used by each establishment. Therefore,

a worker with a 35-hour-per-week schedule might be considered a full-time employee in one establishment, but classified as part-time in another firm, where a 40-hour week is the minimum full-time schedule.

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

NOTE: Dashes indicate that no data were reported or that data did not meet publication criteria, and n.e.c. means not elsewhere classified. Overall occupational groups may include data for categories not shown separately. IN THIS SURVEY, THE NONRESPONSE RATE FOR 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 jobs¹, part-time workers:² Selected occupations, all industries, National Compensation Survey, York, PA, October 1999

Occupation ³	10	25	Median 50	75	90
All	\$6.10	\$6.45	\$7.87	\$10.50	\$14.00
All excluding sales	6.50	6.97	8.64	10.75	14.35
White collar	6.03	6.23	8.64	11.75	15.58
White collar excluding sales	6.58	8.64	10.50	14.35	23.19
Professional specialty and technical	9.98	10.21	12.94	15.58	23.19
Professional specialty	9.81	10.75	14.97	23.19	23.19
Teachers, college and university	—	—	—	—	—
Teachers, except college and university	7.40	8.40	9.81	11.43	25.45
Social scientists and urban planners	—	—	—	—	—
Social, recreation, and religious workers	—	—	—	—	—
Technical	—	—	—	—	—
Executive, administrative, and managerial	—	—	—	—	—
Executives, administrators, and managers	—	—	—	—	—
Sales	5.27	6.03	6.17	6.36	7.07
Sales workers, other commodities	6.07	6.10	6.18	6.18	6.60
Cashiers	5.27	5.27	6.03	6.35	6.45
Administrative support, including clerical	6.39	6.58	8.64	10.50	10.50
Blue collar	6.30	6.75	7.87	8.50	14.00
Precision production, craft, and repair	—	—	—	—	—
Machine operators, assemblers, and inspectors	—	—	—	—	—
Transportation and material moving	—	—	—	—	—
Handlers, equipment cleaners, helpers, and laborers	6.30	6.59	6.75	7.87	8.50
Stock handlers and baggers	5.72	6.33	7.17	7.87	7.87
Service	6.59	6.82	7.69	8.75	10.22
Protective service	—	—	—	—	—
Food service	5.18	6.82	7.12	10.31	12.04
Other food service	5.18	6.82	7.12	10.31	12.04
Health service	—	—	—	—	—
Cleaning and building service	7.45	7.57	7.69	7.69	8.15
Janitors and cleaners	7.45	7.57	7.69	7.69	8.15
Personal service	6.32	6.59	7.00	8.30	8.30
Attendants, amusement, and recreation facilities	5.75	5.75	6.62	7.00	7.00
Child care workers, n.e.c.	6.77	8.30	8.30	8.30	9.66

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

² Employees are classified as working either a full-time or a part-time schedule based on the definition used by each establishment. Therefore,

a worker with a 35-hour-per-week schedule might be considered a full-time employee in one establishment, but classified as part-time in another firm, where a 40-hour week is the minimum full-time schedule.

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

NOTE: Dashes indicate that no data were reported or that data did not meet publication criteria, and n.e.c. means not elsewhere classified. Overall occupational groups may include data for categories not shown separately. IN THIS SURVEY, THE NONRESPONSE RATE FOR 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 York, PA, Metropolitan Statistical Area includes York County.

Sampling frame

The list of establishments from which the survey sample was selected (sampling frame) was developed from State unemployment insurance reports. Due to the volatility of industries within the private sector, sampling frames were developed using the most recent month of reference available at the time the sample was selected. The sampling frame was reviewed prior to the survey and, when necessary, missing establishments were added, out-of-business and out-of-scope establishments were removed, and addresses, employment levels, industry classification, and other information were updated.

Sample design

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

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

Incentive worker. Any employee whose earnings are tied, at least in part, to commissions, piece rates, production bo-

nuses, 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 nonresponding occupations within responding establishments were classified into cells that were additionally defined by major occupation group and job level.

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

Survey response

	<i>Establish- ments</i>
Total in sample	167
Responding	108
Out of business or not in survey scope	10
Unable or refused to provide data	49

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 sufficient. This review prevented the publication of a series

that could have revealed information about a specific establishment.

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

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 workers¹ represented by the survey, by occupational group,² National Compensation Survey, York, PA, October 1999**

Occupational group	Full-time and part-time workers		
	Total	Private industry	State and local government
All occupations	83,100	72,200	10,900
All excluding sales	78,600	67,800	10,800
White collar	33,600	26,200	7,400
White-collar excluding sales	29,100	21,800	7,400
Professional specialty and technical	15,000	9,800	5,200
Professional specialty	11,600	6,600	5,000
Technical	3,400	3,300	–
Executive, administrative, and managerial	5,500	4,800	700
Sales	4,500	4,400	–
Administrative support, including clerical	8,600	7,100	1,500
Blue collar	39,800	38,900	800
Precision production, craft, and repair	10,100	9,900	–
Machine operators, assemblers, and inspectors	14,400	14,400	–
Transportation and material moving	6,000	5,500	600
Handlers, equipment cleaners, helpers, and laborers	9,300	9,200	–
Service	9,700	7,100	2,600

¹ The number of workers represented by the survey are rounded to the nearest 100. Estimates of the number of workers included in the survey. Estimates are not intended, however, for comparison to other statistical series to measure employment trends or levels. Both full-time and part-time workers were included in the survey.

² A classification system including about 480 individual occupations is used to cover all workers in the civilian economy.

See appendix B for more information.

NOTE: Dashes indicate that no data were reported or that data did not meet publication criteria. IN THIS SURVEY, THE NONRESPONSE RATE FOR 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, York, PA, October 1999**

Industry	Number of establishments represented ¹	Number of establishments studied				
		Total studied	50 - 99 workers ²	100 workers or more		
				Total	100 - 499 workers	500 workers or more
All industries	500	108	21	87	63	24
Private industry	500	85	19	66	50	16
Goods-producing industries	200	44	8	36	28	8
Mining	(³)	1	-	1	1	-
Construction	(³)	1	1	-	-	-
Manufacturing	200	42	7	35	27	8
Service-producing industries	300	41	11	30	22	8
Transportation and public utilities	(³)	5	1	4	3	1
Wholesale and retail trade	100	16	3	13	11	2
Finance, insurance and real estate	(³)	1	-	1	-	1
Services	100	19	7	12	8	4
State and local government	(³)	23	2	21	13	8

¹ Number of establishments represented by the survey rounded to the nearest 100.

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

³ 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:¹ Selected occupations, all industries, National Compensation Survey, York, PA, October 1999**

Occupation ²	All workers	Full-time workers	Part-time workers
All	5	5	3
All excluding sales	5	5	4
White collar	7	7	4
White collar excluding sales	7	7	4
Professional specialty and technical	8	8	5
Professional specialty	8	8	7
Engineers, architects, and surveyors	9	9	—
Industrial engineers	7	7	—
Mathematical and computer scientists	9	9	—
Health related	8	8	—
Registered nurses	8	8	—
Teachers, college and university	—	—	—
Teachers, except college and university	8	8	5
Elementary school teachers	8	8	—
Secondary school teachers	8	8	—
Teachers, special education	7	7	—
Teachers, n.e.c.	4	—	—
Librarians, archivists, and curators	—	—	—
Social scientists and urban planners	—	—	—
Social, recreation, and religious workers	6	6	—
Social workers	8	8	—
Writers, authors, entertainers, athletes, and professionals, n.e.c.	—	—	—
Technical	5	5	—
Licensed practical nurses	5	—	—
Executive, administrative, and managerial	9	9	—
Executives, administrators, and managers	10	10	—
Administrators and officials, public administration	11	11	—
Administrators, education and related fields	12	12	—
Managers and administrators, n.e.c.	9	9	—
Management related	9	9	—
Accountants and auditors	7	7	—
Sales	3	4	3
Sales workers, other commodities	3	—	3
Cashiers	2	1	2
Administrative support, including clerical	4	4	3
Secretaries	4	5	—
Receptionists	2	—	—
Bookkeepers, accounting and auditing clerks	4	4	—
Investigators and adjusters, except insurance	4	4	—
General office clerks	3	3	—
Teachers' aides	2	—	—
Blue collar	5	5	2
Precision production, craft, and repair	7	7	—
Industrial machinery repairers	6	6	—
Supervisors, production	7	7	—
Machine operators, assemblers, and inspectors	4	4	—
Grinding, abrading, buffing, and polishing machine operators	5	5	—
Fabricating machine operators, n.e.c.	4	4	—
Molding and casting machine operators	5	5	—
Printing press operators	7	7	—
Photoengravers and lithographers	6	6	—
Miscellaneous machine operators, n.e.c.	4	4	—
Welders and cutters	6	6	—
Assemblers	3	3	—
Production inspectors, checkers and examiners	5	5	—
Transportation and material moving	5	5	—
Industrial truck and tractor equipment operators	4	4	—

See footnotes at end of table.

Appendix table 3. **Median work levels for all workers, full-time and part-time workers:¹ Selected occupations, all industries, National Compensation Survey, York, PA, October 1999** — Continued

Occupation ²	All workers	Full-time workers	Part-time workers
Blue collar —Continued			
Transportation and material moving —Continued			
Miscellaneous material moving equipment operators, n.e.c.	5	5	—
Handlers, equipment cleaners, helpers, and laborers	3	3	2
Production helpers	3	3	—
Stock handlers and baggers	2	3	2
Machine feeders and offbearers	3	3	—
Freight, stock, and material handlers, n.e.c.	2	2	—
Hand packers and packagers	3	3	—
Laborers, except construction, n.e.c.	2	2	—
Service	3	3	3
Protective service	3	3	—
Police and detectives, public service	7	7	—
Food service	2	3	2
Other food service	2	3	2
Kitchen workers, food preparation	3	—	—
Health service	3	3	—
Nursing aides, orderlies and attendants	3	—	—
Cleaning and building service	2	1	2
Janitors and cleaners	2	1	2
Personal service	4	4	3
Attendants, amusement, and recreation facilities	3	—	3
Child care workers, n.e.c.	—	—	4

¹ 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.

² 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.