



New York-Northern New Jersey- Long Island, NY-NJ-CT-PA National Compensation Survey August 1998

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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) 606-6199, 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 New York-Northern New Jersey-Long Island, NY-NJ-CT-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 the 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, will be 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.

Ongoing changes

The NCS is implementing changes to its sample design and timing of data collection and publication. Because of these ongoing changes, it is not possible to produce median wages and other wage percentiles for this area publication. Estimates describing the distribution of wages by occupation will be published for the next survey of this area in the late spring of 2000.

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. The table footnotes include information on survey concepts and definitions.

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 (within private industry) 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. 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 2-2 presents the same type of information only for full-time workers. Table 2-3 provides similar data for workers designated as part-time.

Table 3-1 presents 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. The mean hours reflect hours employees are scheduled to work, excluding overtime hours. Table 3-2 provides annual earnings, relative standard error, and annual hours for full-time employees in specific occupations.

Table 4-1 presents 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 are also limited to the private sector.

Appendix table 1 provides the employment scope of this survey. The occupation employment estimates relate to all employers in the area, rather than just those surveyed. Appendix table 2 presents the number of establishments studied by industry group and employment size.

Table 1-1. Summary: Mean hourly earnings¹ and weekly hours by selected characteristics, private industry and State and local government, National Compensation Survey, New York-Northern New Jersey-Long Island, NY-NJ-CT-PA, August 1998

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	\$20.55	1.8	35.6	\$19.66	2.3	35.6	\$23.53	2.2	35.5
Worker characteristics:⁴									
White-collar occupations ⁵	24.64	1.9	35.6	24.07	2.3	36.0	26.59	3.0	34.6
Professional specialty and technical	30.09	1.9	35.0	28.69	2.3	35.3	32.80	3.6	34.5
Executive, administrative, and managerial	34.39	2.8	38.4	36.11	2.7	38.9	27.34	7.3	36.5
Sales	16.47	8.1	31.4	16.48	8.3	31.3	-	-	-
Administrative support	14.74	1.6	35.8	14.72	1.9	36.4	14.80	2.7	33.4
Blue-collar occupations ⁵	14.70	2.7	37.8	14.21	3.0	37.7	18.07	5.5	38.7
Precision production, craft, and repair	20.87	2.5	39.1	20.76	2.9	39.0	21.44	4.8	39.1
Machine operators, assemblers, and inspectors	10.85	4.0	39.6	10.79	4.0	39.7	16.28	12.2	35.1
Transportation and material moving	15.18	4.3	35.1	14.83	4.6	34.3	16.32	11.1	38.3
Handlers, equipment cleaners, helpers, and laborers	12.11	5.1	36.4	11.47	5.6	36.0	15.76	4.3	38.9
Service occupations ⁵	13.21	3.8	33.4	10.15	3.6	32.1	19.04	3.8	36.3
Full time	21.44	1.8	38.2	20.60	2.3	38.5	24.15	2.0	37.2
Part time	11.75	6.0	21.3	11.36	7.2	21.4	13.95	7.1	20.5
Union	19.47	2.1	35.8	16.29	3.3	35.4	23.24	2.3	36.4
Nonunion	21.46	2.6	35.4	21.26	2.8	35.8	26.52	7.0	28.0
Time	20.57	1.8	35.6	19.65	2.3	35.6	23.53	2.2	35.5
Incentive	19.79	7.7	36.0	19.79	7.7	36.0	-	-	-
Establishment characteristics:									
Goods producing	(⁶)	(⁶)	(⁶)	19.19	4.4	39.1	(⁶)	(⁶)	(⁶)
Service producing	(⁶)	(⁶)	(⁶)	-	-	-	(⁶)	(⁶)	(⁶)
50-99 workers	16.30	4.4	36.0	16.30	4.4	36.1	16.35	1.8	28.1
100-499 workers	18.26	3.0	35.3	17.70	3.1	35.4	25.18	6.5	33.9
500 workers or more	23.40	2.5	35.7	23.40	3.8	35.6	23.40	2.5	35.8

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, 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.

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, New York-Northern New Jersey-Long Island, NY-NJ-CT-PA, August 1998

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	\$20.55	1.8	\$19.66	2.3	\$23.53	2.2
All excluding sales	20.78	1.8	19.89	2.3	23.57	2.2
White collar	24.64	1.9	24.07	2.3	26.59	3.0
White collar excluding sales	25.43	1.8	25.02	2.2	26.67	3.0
Professional specialty and technical	30.09	1.9	28.69	2.3	32.80	3.6
Professional specialty	31.86	1.8	30.38	2.0	34.26	3.3
Engineers, architects, and surveyors	29.45	3.7	30.53	3.9	24.90	4.9
Civil engineers	26.65	7.7	—	—	—	—
Electrical and electronic engineers	29.87	5.5	29.87	5.5	—	—
Industrial engineers	30.68	16.7	30.68	16.7	—	—
Mechanical engineers	27.99	5.7	28.70	6.5	—	—
Engineers, n.e.c.	31.67	5.4	32.84	4.6	—	—
Mathematical and computer scientists	33.05	5.0	33.07	5.1	—	—
Computer systems analysts and scientists	32.01	4.0	32.03	4.1	—	—
Operations and systems researchers and analysts	44.36	21.8	44.36	21.8	—	—
Natural scientists	31.69	5.3	32.00	5.5	—	—
Chemists, except biochemists	30.75	6.8	30.75	6.8	—	—
Medical scientists	36.19	1.6	36.61	1.4	—	—
Health related	27.49	2.2	28.42	2.5	23.27	3.9
Physicians	31.39	7.4	35.93	8.1	20.12	11.7
Registered nurses	26.96	1.7	27.27	1.9	25.09	3.8
Pharmacists	28.46	6.7	30.42	4.4	—	—
Dietitians	17.66	3.7	17.38	4.2	—	—
Respiratory therapists	21.57	2.3	21.58	2.4	—	—
Teachers, college and university	45.80	4.3	43.36	6.9	49.15	4.4
Medical science teachers	79.06	19.6	—	—	—	—
English teachers	54.64	5.6	—	—	—	—
Teachers, post secondary, n.e.c.	33.49	10.9	—	—	—	—
Teachers, post secondary, subject not specified ..	43.64	11.2	52.11	16.4	36.98	11.4
Teachers, except college and university	35.93	3.9	21.75	4.7	38.48	4.1
Prekindergarten and kindergarten	30.45	29.5	15.38	10.7	—	—
Elementary school teachers	39.11	4.3	24.80	5.7	42.01	4.4
Secondary school teachers	42.59	6.3	30.52	13.3	43.36	6.5
Teachers, special education	36.84	4.7	21.87	9.0	38.95	3.6
Teachers, n.e.c.	32.54	7.8	20.81	11.0	34.18	8.4
Substitute teachers	11.01	3.4	—	—	11.25	3.4
Vocational and educational counselors	31.49	16.7	19.13	12.2	37.18	11.7
Librarians, archivists, and curators	29.16	9.6	26.93	9.4	36.83	17.2
Librarians	27.75	10.4	24.54	7.8	36.83	17.2
Social scientists and urban planners	29.87	10.2	25.19	10.3	36.62	10.5
Economists	26.76	11.7	26.76	11.7	—	—
Psychologists	32.88	13.2	21.65	11.7	37.48	9.7
Social, recreation, and religious workers	20.93	5.2	20.33	5.7	21.27	7.8
Social workers	21.46	5.7	20.88	5.6	21.76	8.3
Recreation workers	13.72	7.3	—	—	—	—
Lawyers and judges	39.31	10.5	47.79	10.0	31.83	8.5
Lawyers	39.31	10.5	47.79	10.0	31.83	8.5
Writers, authors, entertainers, athletes, and professionals, n.e.c.	30.48	5.8	31.01	5.9	20.15	8.0
Designers	27.66	7.6	27.66	7.6	—	—
Painters, sculptors, craft artists, and artist printmakers	17.37	22.4	—	—	—	—
Editors and reporters	33.24	14.8	33.24	14.8	—	—
Public relations specialists	21.65	11.7	—	—	—	—
Athletes	17.22	10.9	17.95	14.6	—	—
Professional, n.e.c.	31.93	6.2	32.06	6.2	—	—
Technical	22.23	7.2	23.13	8.0	17.60	6.7
Clinical laboratory technologists and technicians	18.53	4.9	18.09	5.5	21.69	10.4
Radiologic technicians	22.81	3.1	22.55	3.1	—	—
Licensed practical nurses	16.51	1.9	16.63	2.3	15.99	2.4
Health technologists and technicians, n.e.c.	15.79	2.8	15.10	2.7	16.79	8.6
Electrical and electronic technicians	20.77	6.5	20.77	6.5	—	—
Engineering technicians, n.e.c.	18.11	9.8	18.11	9.8	—	—

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, New York-Northern New Jersey-Long Island, NY-NJ-CT-PA, August 1998 — 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)
White collar –Continued						
Professional specialty and technical –Continued						
Technical –Continued						
Drafters	\$16.52	2.9	\$16.52	2.9	–	–
Broadcast equipment operators	34.49	4.3	34.49	4.3	–	–
Computer programmers	24.32	6.0	24.98	6.2	–	–
Legal assistants	20.05	7.0	–	–	–	–
Technical and related, n.e.c.	22.18	7.1	22.48	7.3	–	–
Executive, administrative, and managerial	34.39	2.8	36.11	2.7	\$27.34	7.3
Executives, administrators, and managers	39.61	2.6	40.03	2.8	36.76	7.4
Administrators and officials, public administration	33.80	8.2	–	–	33.93	8.6
Financial managers	43.26	6.8	44.76	6.7	–	–
Personnel and labor relations managers	38.07	8.4	38.07	8.4	–	–
Managers, marketing, advertising, and public relations	45.95	6.9	45.95	6.9	–	–
Administrators, education and related fields	38.84	11.6	25.29	12.7	47.87	6.8
Managers, medicine and health	38.20	8.6	41.43	7.8	26.10	5.0
Managers, service organizations, n.e.c.	42.44	10.9	43.51	11.0	–	–
Managers and administrators, n.e.c.	38.18	3.2	38.31	3.2	36.25	13.9
Management related	27.11	5.9	29.38	6.7	21.57	7.1
Accountants and auditors	25.33	3.3	25.60	3.5	–	–
Other financial officers	36.43	16.6	38.65	17.2	–	–
Management analysts	32.29	7.5	33.20	7.9	–	–
Personnel, training, and labor relations specialists	24.35	8.7	27.55	7.5	18.65	6.8
Purchasing agents and buyers, n.e.c.	27.20	11.4	27.35	11.6	–	–
Construction inspectors	24.69	9.9	–	–	–	–
Inspectors and compliance officers, except construction	19.94	12.2	29.06	6.8	18.58	12.7
Management related, n.e.c.	24.71	5.1	24.91	6.8	24.20	4.3
Sales	16.47	8.1	16.48	8.3	–	–
Supervisors, sales	23.28	7.7	23.28	7.7	–	–
Advertising and related sales	21.78	3.4	21.78	3.4	–	–
Sales, other business services	24.18	10.3	24.18	10.3	–	–
Sales representatives, mining, manufacturing, and wholesale	28.36	11.0	28.36	11.0	–	–
Sales workers, apparel	8.74	11.3	8.74	11.3	–	–
Sales workers, radio, tv, hi-fi, and appliances	13.12	20.2	13.12	20.2	–	–
Sales workers, other commodities	8.71	4.0	8.71	4.0	–	–
Cashiers	8.92	6.8	8.53	5.8	–	–
Sales support, n.e.c.	15.40	16.5	15.40	16.5	–	–
Administrative support, including clerical	14.74	1.6	14.72	1.9	14.80	2.7
Supervisors, general office	20.55	5.1	21.08	5.9	18.79	5.9
Supervisors, financial records processing	20.30	6.1	20.49	6.5	–	–
Supervisors, distribution, scheduling, and adjusting clerks	22.65	11.6	22.65	11.6	–	–
Computer operators	15.76	5.8	15.37	5.6	–	–
Secretaries	16.22	2.2	16.23	2.2	16.18	6.9
Stenographers	16.65	5.5	–	–	16.92	6.8
Typists	13.53	4.1	14.06	7.3	13.15	4.0
Interviewers	12.53	7.2	12.16	8.3	–	–
Hotel clerks	9.93	9.7	9.93	9.7	–	–
Transportation ticket and reservation agents	13.55	10.9	13.55	10.9	–	–
Receptionists	11.30	4.1	11.30	4.1	–	–
Order clerks	18.17	6.3	18.17	6.3	–	–
Personnel clerks, except payroll and timekeeping	13.77	8.0	–	–	–	–
Library clerks	11.98	5.2	12.80	8.0	10.45	3.7
File clerks	11.61	5.2	11.61	5.2	–	–
Records clerks, n.e.c.	14.67	4.8	14.97	5.0	–	–
Bookkeepers, accounting and auditing clerks	14.67	2.9	14.44	3.0	17.14	7.2
Payroll and timekeeping clerks	15.11	9.5	15.11	9.5	–	–

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, New York-Northern New Jersey-Long Island, NY-NJ-CT-PA, August 1998 — 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)
White collar —Continued						
Administrative support, including clerical —Continued						
Billing clerks	\$12.46	4.3	\$12.46	4.3	—	—
Telephone operators	14.95	4.9	15.10	4.7	—	—
Mail clerks, except postal service	12.18	13.1	12.18	13.1	—	—
Messengers	9.39	17.2	9.02	17.8	—	—
Dispatchers	14.97	5.1	14.81	6.3	—	—
Traffic, shipping and receiving clerks	12.59	3.6	12.43	4.0	—	—
Stock and inventory clerks	12.36	11.6	12.36	11.6	—	—
Material recording, scheduling, and distribution clerks, n.e.c.	12.20	14.1	12.20	14.1	—	—
Insurance adjusters, examiners, and investigators	18.55	15.2	18.55	15.2	—	—
Investigators and adjusters, except insurance	16.86	7.1	16.90	7.5	—	—
Eligibility clerks, social welfare	14.61	4.9	—	—	\$15.01	4.3
Bill and account collectors	17.02	5.8	17.02	5.8	—	—
General office clerks	13.44	4.3	13.43	4.3	13.47	10.2
Bank tellers	10.52	3.2	10.52	3.2	—	—
Data entry keyers	11.34	4.4	10.97	4.6	—	—
Statistical clerks	12.44	8.6	12.33	8.7	—	—
Teachers' aides	12.78	9.0	—	—	14.05	6.2
Administrative support, n.e.c.	15.06	5.3	15.54	6.2	13.53	5.0
Blue collar	14.70	2.7	14.21	3.0	18.07	5.5
Precision production, craft, and repair						
Supervisors, mechanics and repairers	20.87	2.5	20.76	2.9	21.44	4.8
Automobile mechanics	26.20	5.1	28.01	2.2	—	—
Industrial machinery repairers	22.42	4.7	—	—	22.93	4.3
Electronic repairers, communications and industrial equipment	18.19	4.6	18.19	4.6	—	—
Heating, air conditioning, and refrigeration mechanics	22.25	6.0	22.25	6.0	—	—
Mechanics and repairers, n.e.c.	21.23	7.4	—	—	—	—
Supervisors, electricians and power transmission installers	19.18	4.1	19.20	5.4	19.13	4.5
Carpenters	31.12	10.4	30.02	11.7	—	—
Electricians	21.56	11.0	20.77	12.3	—	—
Painters, construction and maintenance	23.49	7.9	24.47	7.9	—	—
Plumbers, pipefitters and steamfitters	23.06	6.9	24.22	4.7	—	—
Construction trades, n.e.c.	21.33	5.1	—	—	—	—
Supervisors, production	18.82	14.7	18.82	14.7	—	—
Machinists	22.05	6.7	22.05	6.7	—	—
Electrical and electronic equipment assemblers ..	17.40	9.6	16.07	8.4	—	—
Miscellaneous precision workers, n.e.c.	10.88	9.1	10.88	9.1	—	—
Stationary engineers	22.62	11.2	22.62	11.2	—	—
Machine operators, assemblers, and inspectors	21.71	6.7	21.95	7.4	—	—
Punching and stamping press operators	10.85	4.0	10.79	4.0	16.28	12.2
Grinding, abrading, buffing, and polishing machine operators	9.04	8.6	9.04	8.6	—	—
Numerical control machine operators	11.79	9.8	11.79	9.8	—	—
Fabricating machine operators, n.e.c.	11.72	7.3	11.72	7.3	—	—
Textile sewing machine operators	13.24	15.5	13.24	15.5	—	—
Laundrying and dry cleaning machine operators	7.34	6.0	7.34	6.0	—	—
Packaging and filling machine operators	10.79	7.0	10.66	7.5	—	—
Mixing and blending machine operators	9.97	14.5	9.97	14.5	—	—
Photographic process machine operators	12.70	7.0	12.70	7.0	—	—
Miscellaneous machine operators, n.e.c.	11.07	3.0	11.07	3.0	—	—
Assemblers	12.96	6.4	12.96	6.4	—	—
Production inspectors, checkers and examiners ..	8.52	6.9	8.52	6.9	—	—
Transportation and material moving	11.16	6.5	11.16	6.5	—	—
Truck drivers	15.18	4.3	14.83	4.6	16.32	11.1
	15.48	3.8	15.07	3.7	—	—

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, New York-Northern New Jersey-Long Island, NY-NJ-CT-PA, August 1998 — Continued

Occupation ³	Total		Private industry		State and local government	
	Mean	Relative error ⁴ (percent)	Mean	Relative error ⁴ (percent)	Mean	Relative error ⁴ (percent)
Blue collar —Continued						
Transportation and material moving —Continued						
Driver-sales workers	\$18.83	3.1	\$18.83	3.1	—	—
Bus drivers	13.25	9.2	11.26	4.3	\$16.86	3.5
Motor transportation, n.e.c.	12.90	14.6	—	—	—	—
Industrial truck and tractor equipment operators ..	13.60	13.9	13.60	13.9	—	—
Miscellaneous material moving equipment operators, n.e.c.	17.70	9.7	—	—	—	—
Handlers, equipment cleaners, helpers, and laborers						
Groundskeepers and gardeners, except farm	12.11	5.1	11.47	5.6	15.76	4.3
Supervisors, handlers, equipment cleaners, and laborers, n.e.c.	12.08	8.2	11.84	5.1	—	—
Helpers, construction trades	16.90	12.3	15.55	11.9	—	—
Production helpers	14.27	7.5	—	—	—	—
Stock handlers and baggers	9.27	7.6	9.27	7.6	—	—
Freight, stock, and material handlers, n.e.c.	12.12	10.2	12.11	10.2	—	—
Hand packers and packagers	11.96	7.0	11.96	7.0	—	—
Laborers, except construction, n.e.c.	10.99	13.3	10.99	13.3	—	—
	11.27	7.1	10.65	8.9	14.17	6.5
Service						
Protective service	13.21	3.8	10.15	3.6	19.04	3.8
Supervisors, police and detectives	19.22	6.0	10.63	8.7	23.28	3.6
Supervisors, guards	31.19	7.7	—	—	31.19	7.7
Police and detectives, public service	16.19	8.1	16.19	8.1	—	—
Sheriffs, bailiffs, and other law enforcement officers	23.84	5.7	—	—	23.84	5.7
Correctional institution officers	21.90	6.9	—	—	21.90	6.9
Guards and police, except public service	20.90	3.3	—	—	20.90	3.3
Protective service, n.e.c.	10.16	8.9	10.00	9.3	13.53	4.1
Food service	15.55	13.9	—	—	—	—
Supervisors, food preparation and service	8.33	5.4	7.94	5.9	11.11	6.5
Waiters and waitresses	13.68	7.9	12.86	7.3	—	—
Cooks	5.66	13.1	5.66	13.1	—	—
Food counter, fountain, and related	11.23	6.4	11.08	7.1	12.58	8.8
Kitchen workers, food preparation	7.72	7.2	7.60	7.3	—	—
Waiters'/Waitresses' assistants	10.46	8.4	10.45	8.7	—	—
Food preparation, n.e.c.	4.78	18.0	3.96	9.8	—	—
Health service	7.75	6.7	6.97	6.5	10.33	3.0
Health aides, except nursing	9.96	3.6	9.32	3.5	13.81	2.1
Nursing aides, orderlies and attendants	12.25	3.5	11.63	4.8	13.76	2.4
Cleaning and building service	9.59	3.8	9.01	3.5	13.83	2.8
Supervisors, cleaning and building service workers	11.96	5.9	11.06	8.4	14.27	4.5
Maids and housemen	15.81	17.0	—	—	—	—
Janitors and cleaners	11.99	6.9	11.99	6.9	—	—
Personal service	11.70	7.1	10.45	11.2	14.10	4.7
Attendants, amusement, and recreation facilities	12.78	9.9	13.83	13.2	10.29	4.2
Public transportation attendants	9.22	4.6	—	—	—	—
Welfare service aides	28.57	25.5	28.57	25.5	—	—
Early childhood teachers' assistants	12.02	14.1	—	—	—	—
Child care workers, n.e.c.	10.61	8.2	9.70	10.3	11.36	8.9
Service, n.e.c.	8.91	3.7	8.45	4.6	9.65	1.6
	10.30	14.3	10.31	16.0	—	—

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

² 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, New York-Northern New Jersey-Long Island, NY-NJ-CT-PA, August 1998

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	\$21.44	1.8	\$20.60	2.3	\$24.15	2.0
All excluding sales	21.51	1.8	20.63	2.3	24.20	2.0
White collar	25.46	1.9	24.98	2.3	27.04	2.9
White collar excluding sales	25.86	1.8	25.44	2.2	27.13	2.9
Professional specialty and technical	30.22	1.9	28.79	2.3	32.84	3.6
Professional specialty	31.88	1.8	30.36	1.9	34.22	3.4
Engineers, architects, and surveyors	29.43	3.8	30.55	4.0	24.90	4.9
Civil engineers	26.65	7.7	—	—	—	—
Electrical and electronic engineers	29.91	5.7	29.91	5.7	—	—
Industrial engineers	30.68	16.7	30.68	16.7	—	—
Mechanical engineers	28.42	5.8	29.31	6.5	—	—
Engineers, n.e.c.	31.59	5.7	32.81	4.8	—	—
Mathematical and computer scientists	31.76	3.6	31.77	3.6	—	—
Computer systems analysts and scientists	32.01	4.0	32.03	4.1	—	—
Operations and systems researchers and analysts	31.92	8.0	31.92	8.0	—	—
Natural scientists	31.69	5.3	32.00	5.5	—	—
Chemists, except biochemists	30.75	6.8	30.75	6.8	—	—
Medical scientists	36.19	1.6	36.61	1.4	—	—
Health related	27.23	2.5	28.26	2.8	23.18	4.0
Physicians	29.86	8.3	34.19	9.2	20.12	11.7
Registered nurses	27.09	1.8	27.48	2.0	25.09	3.9
Pharmacists	28.27	8.2	30.82	5.6	—	—
Dietitians	17.54	3.9	17.21	4.4	—	—
Respiratory therapists	22.11	1.7	—	—	—	—
Teachers, college and university	43.58	4.5	43.70	6.9	43.40	4.6
English teachers	54.64	5.6	—	—	—	—
Teachers, post secondary, subject not specified ..	44.01	11.1	53.27	16.3	36.98	11.4
Teachers, except college and university	36.72	4.0	22.45	4.9	38.94	4.2
Prekindergarten and kindergarten	30.54	30.0	—	—	—	—
Elementary school teachers	39.76	4.4	25.74	5.6	42.14	4.5
Secondary school teachers	42.59	6.3	30.52	13.3	43.36	6.5
Teachers, special education	36.85	4.7	21.57	8.7	38.95	3.6
Teachers, n.e.c.	33.41	7.9	22.59	10.6	34.43	8.5
Vocational and educational counselors	31.77	16.5	19.44	12.3	37.18	11.7
Librarians, archivists, and curators	29.30	9.8	26.96	9.6	37.45	17.2
Librarians	27.88	10.6	24.52	8.0	37.45	17.2
Social scientists and urban planners	30.04	10.3	25.29	10.7	36.62	10.5
Economists	26.76	11.7	26.76	11.7	—	—
Psychologists	33.34	13.2	21.42	13.8	37.48	9.7
Social, recreation, and religious workers	21.16	5.5	20.46	5.7	21.54	8.2
Social workers	21.65	6.0	20.92	5.7	22.01	8.8
Recreation workers	13.94	7.4	—	—	—	—
Lawyers and judges	38.99	10.4	47.79	10.0	31.09	7.7
Lawyers	38.99	10.4	47.79	10.0	31.09	7.7
Writers, authors, entertainers, athletes, and professionals, n.e.c.	30.67	5.9	31.04	5.9	—	—
Designers	28.43	7.6	28.43	7.6	—	—
Painters, sculptors, craft artists, and artist printmakers	17.37	22.4	—	—	—	—
Editors and reporters	33.24	14.8	33.24	14.8	—	—
Public relations specialists	21.65	11.7	—	—	—	—
Professional, n.e.c.	31.93	6.2	32.06	6.2	—	—
Technical	22.67	7.6	23.62	8.3	17.80	7.5
Clinical laboratory technologists and technicians	18.53	4.8	18.06	5.4	21.69	10.4
Radiologic technicians	22.89	3.5	22.56	3.3	—	—
Licensed practical nurses	16.27	2.1	16.42	2.5	15.54	2.6
Health technologists and technicians, n.e.c.	16.07	3.4	15.33	3.0	17.03	9.6
Electrical and electronic technicians	20.77	6.5	20.77	6.5	—	—
Engineering technicians, n.e.c.	18.11	10.7	18.11	10.7	—	—
Drafters	16.52	2.9	16.52	2.9	—	—
Broadcast equipment operators	34.49	4.3	34.49	4.3	—	—
Computer programmers	24.32	6.0	24.98	6.2	—	—

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, New York-Northern New Jersey-Long Island, NY-NJ-CT-PA, August 1998
 — 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)
White collar —Continued						
Professional specialty and technical —Continued						
Technical —Continued						
Legal assistants	\$20.05	7.0	—	—	—	—
Technical and related, n.e.c.	22.39	7.2	\$22.71	7.5	—	—
Executive, administrative, and managerial						
Executives, administrators, and managers	34.46	2.8	36.17	2.7	\$27.44	7.3
Administrators and officials, public administration	39.72	2.6	40.16	2.8	36.76	7.4
Financial managers	33.80	8.2	—	—	33.93	8.6
Personnel and labor relations managers	43.26	6.8	44.76	6.7	—	—
Managers, marketing, advertising, and public relations	39.00	8.7	39.00	8.7	—	—
Administrators, education and related fields	45.95	6.9	45.95	6.9	—	—
Managers, medicine and health	39.81	10.7	26.49	12.2	47.87	6.8
Managers, service organizations, n.e.c.	38.16	8.7	41.47	8.0	26.10	5.0
Managers and administrators, n.e.c.	42.44	10.9	43.51	11.0	—	—
Management related	38.22	3.2	38.36	3.2	36.25	13.9
Accountants and auditors	27.16	5.9	29.38	6.7	21.62	7.2
Other financial officers	25.40	3.3	25.60	3.5	—	—
Management analysts	36.43	16.6	38.65	17.2	—	—
Personnel, training, and labor relations specialists	32.29	7.5	33.20	7.9	—	—
Purchasing agents and buyers, n.e.c.	24.35	8.7	27.55	7.5	18.65	6.8
Construction inspectors	27.20	11.4	27.35	11.6	—	—
Inspectors and compliance officers, except construction	24.74	10.6	—	—	—	—
Management related, n.e.c.	19.94	12.2	29.06	6.8	18.58	12.7
Management related, n.e.c.	24.78	5.1	24.91	6.8	24.41	4.1
Sales						
Supervisors, sales	19.95	8.3	20.07	8.4	—	—
Advertising and related sales	23.28	7.7	23.28	7.7	—	—
Sales, other business services	21.78	3.4	21.78	3.4	—	—
Sales representatives, mining, manufacturing, and wholesale	25.07	9.7	25.07	9.7	—	—
Sales workers, apparel	28.36	11.0	28.36	11.0	—	—
Sales workers, radio, tv, hi-fi, and appliances	9.35	18.2	9.35	18.2	—	—
Sales workers, hardware and building supplies	13.39	20.7	13.39	20.7	—	—
Sales workers, other commodities	14.75	8.7	14.75	8.7	—	—
Cashiers	9.55	4.6	9.55	4.6	—	—
Sales support, n.e.c.	13.15	6.8	12.44	6.2	—	—
Sales support, n.e.c.	16.40	16.5	16.40	16.5	—	—
Administrative support, including clerical						
Supervisors, general office	15.07	1.6	15.04	1.9	15.19	2.4
Supervisors, financial records processing	20.55	5.1	21.08	5.9	18.79	5.9
Supervisors, distribution, scheduling, and adjusting clerks	20.41	6.2	20.62	6.6	—	—
Computer operators	22.65	11.6	22.65	11.6	—	—
Secretaries	15.76	5.8	15.37	5.6	—	—
Stenographers	16.33	2.3	16.32	2.3	16.36	7.1
Typists	16.87	5.9	—	—	17.10	7.2
Interviewers	13.76	4.3	14.06	7.3	13.50	4.7
Hotel clerks	12.52	9.2	12.17	10.2	—	—
Transportation ticket and reservation agents	9.93	9.7	9.93	9.7	—	—
Receptionists	14.52	10.9	14.52	10.9	—	—
Order clerks	11.56	4.4	11.56	4.4	—	—
Personnel clerks, except payroll and timekeeping	18.17	6.3	18.17	6.3	—	—
Library clerks	13.77	8.0	—	—	—	—
File clerks	13.23	6.8	15.05	5.2	—	—
Records clerks, n.e.c.	11.57	5.3	11.57	5.3	—	—
Bookkeepers, accounting and auditing clerks	14.67	4.8	14.97	5.0	—	—
Payroll and timekeeping clerks	14.90	2.8	14.69	2.9	17.14	7.2
Billing clerks	15.11	9.5	15.11	9.5	—	—
Billing clerks	12.55	4.5	12.55	4.5	—	—

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, New York-Northern New Jersey-Long Island, NY-NJ-CT-PA, August 1998
— 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)
White collar —Continued						
Administrative support, including clerical —Continued						
Telephone operators	\$15.53	3.7	\$15.71	3.3	—	—
Mail clerks, except postal service	12.26	13.1	12.26	13.1	—	—
Messengers	9.33	18.8	8.91	19.6	—	—
Dispatchers	14.97	5.1	14.81	6.3	—	—
Traffic, shipping and receiving clerks	12.67	3.6	12.50	4.0	—	—
Stock and inventory clerks	14.49	5.4	14.49	5.4	—	—
Material recording, scheduling, and distribution clerks, n.e.c.	12.86	13.0	12.86	13.0	—	—
Insurance adjusters, examiners, and investigators	18.55	15.2	18.55	15.2	—	—
Investigators and adjusters, except insurance	17.32	6.9	17.38	7.3	—	—
Eligibility clerks, social welfare	14.61	4.9	—	—	\$15.01	4.3
Bill and account collectors	17.24	5.8	17.24	5.8	—	—
General office clerks	14.09	3.7	13.83	4.5	14.74	6.2
Bank tellers	10.43	3.6	10.43	3.6	—	—
Data entry keyers	11.54	4.9	11.14	5.3	—	—
Statistical clerks	12.44	8.6	12.33	8.7	—	—
Teachers' aides	11.28	7.4	—	—	12.57	2.2
Administrative support, n.e.c.	15.54	5.3	16.17	5.9	13.68	4.8
Blue collar	15.00	2.8	14.51	3.0	18.24	5.5
Precision production, craft, and repair						
Supervisors, mechanics and repairers	20.90	2.6	20.79	2.9	21.44	4.8
Automobile mechanics	26.20	5.1	28.01	2.2	—	—
Industrial machinery repairers	22.42	4.7	—	—	22.93	4.3
Electronic repairers, communications and industrial equipment	18.19	4.6	18.19	4.6	—	—
Heating, air conditioning, and refrigeration mechanics	22.45	5.9	22.45	5.9	—	—
Mechanics and repairers, n.e.c.	21.23	7.4	—	—	—	—
Supervisors, electricians and power transmission installers	19.18	4.1	19.20	5.4	19.13	4.5
Carpenters	31.12	10.4	30.02	11.7	—	—
Electricians	21.56	11.0	20.77	12.3	—	—
Painters, construction and maintenance	23.42	8.0	24.39	8.1	—	—
Plumbers, pipefitters and steamfitters	23.06	6.9	24.22	4.7	—	—
Construction trades, n.e.c.	21.33	5.1	—	—	—	—
Supervisors, production	18.82	14.7	18.82	14.7	—	—
Machinists	22.05	6.7	22.05	6.7	—	—
Electrical and electronic equipment assemblers ..	17.40	9.6	16.07	8.4	—	—
Miscellaneous precision workers, n.e.c.	10.88	9.1	10.88	9.1	—	—
Stationary engineers	22.62	11.2	22.62	11.2	—	—
Machine operators, assemblers, and inspectors	21.53	7.0	21.76	7.7	—	—
Punching and stamping press operators	10.86	4.0	10.80	4.0	—	—
Grinding, abrading, buffing, and polishing machine operators	9.04	8.6	9.04	8.6	—	—
Numerical control machine operators	11.79	9.8	11.79	9.8	—	—
Fabricating machine operators, n.e.c.	11.72	7.3	11.72	7.3	—	—
Textile sewing machine operators	13.24	15.5	13.24	15.5	—	—
Laundering and dry cleaning machine operators ..	7.34	6.0	7.34	6.0	—	—
Packaging and filling machine operators	10.77	7.6	10.64	8.0	—	—
Mixing and blending machine operators	9.97	14.5	9.97	14.5	—	—
Photographic process machine operators	12.70	7.0	12.70	7.0	—	—
Miscellaneous machine operators, n.e.c.	11.07	3.0	11.07	3.0	—	—
Assemblers	12.96	6.4	12.96	6.4	—	—
Production inspectors, checkers and examiners ..	8.54	7.1	8.54	7.1	—	—
Transportation and material moving	11.16	6.5	11.16	6.5	—	—
Truck drivers	15.83	4.0	15.66	3.8	16.32	11.5
	15.87	3.7	15.44	3.5	—	—

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, New York-Northern New Jersey-Long Island, NY-NJ-CT-PA, August 1998
— Continued

Occupation ³	Total		Private industry		State and local government	
	Mean	Relative error ⁴ (percent)	Mean	Relative error ⁴ (percent)	Mean	Relative error ⁴ (percent)
Blue collar —Continued						
Transportation and material moving —Continued						
Driver-sales workers	\$18.83	3.1	\$18.83	3.1	—	—
Bus drivers	13.73	10.2	—	—	—	—
Motor transportation, n.e.c.	12.90	14.6	—	—	—	—
Industrial truck and tractor equipment operators ..	13.60	13.9	13.60	13.9	—	—
Miscellaneous material moving equipment operators, n.e.c.	18.99	9.1	—	—	—	—
Handlers, equipment cleaners, helpers, and laborers						
Groundskeepers and gardeners, except farm	12.75	4.8	12.08	5.5	\$16.14	3.5
Supervisors, handlers, equipment cleaners, and laborers, n.e.c.	12.87	7.3	11.84	5.1	—	—
Helpers, construction trades	16.90	12.3	15.55	11.9	—	—
Production helpers	14.27	7.5	—	—	—	—
Stock handlers and baggers	9.41	7.4	9.41	7.4	—	—
Freight, stock, and material handlers, n.e.c.	14.60	8.5	14.60	8.5	—	—
Hand packers and packagers	12.80	7.6	12.80	7.6	—	—
Laborers, except construction, n.e.c.	11.59	14.0	11.59	14.0	—	—
Laborers, except construction, n.e.c.	11.36	7.2	10.68	9.0	14.63	4.6
Service						
Protective service	14.31	4.0	10.85	4.1	20.04	3.5
Supervisors, police and detectives	20.02	5.7	11.05	9.8	23.68	3.5
Supervisors, guards	31.19	7.7	—	—	31.19	7.7
Police and detectives, public service	16.19	8.1	16.19	8.1	—	—
Sheriffs, bailiffs, and other law enforcement officers	23.84	5.7	—	—	23.84	5.7
Correctional institution officers	22.94	5.5	—	—	22.94	5.5
Guards and police, except public service	20.90	3.3	—	—	20.90	3.3
Food service	10.49	10.2	10.31	10.7	14.14	2.5
Supervisors, food preparation and service	9.66	5.7	9.35	6.2	12.00	8.9
Waiters and waitresses	13.68	8.0	12.85	7.4	—	—
Cooks	6.28	16.9	6.28	16.9	—	—
Kitchen workers, food preparation	11.31	6.8	11.13	7.2	14.55	5.4
Food preparation, n.e.c.	12.09	10.2	12.14	10.5	—	—
Health service	8.77	7.9	8.20	9.3	10.75	2.4
Health aides, except nursing	10.05	4.0	9.34	3.9	13.87	2.2
Nursing aides, orderlies and attendants	12.47	3.3	11.88	4.5	13.79	2.4
Cleaning and building service	9.64	4.3	8.99	3.9	13.90	2.9
Supervisors, cleaning and building service workers	12.97	4.0	12.23	6.6	14.37	4.5
Maids and housemen	19.25	5.1	—	—	—	—
Janitors and cleaners	11.98	6.9	11.98	6.9	—	—
Personal service	12.95	4.7	11.94	9.6	14.20	4.8
Early childhood teachers' assistants	14.32	12.2	15.08	14.9	11.45	5.7
Child care workers, n.e.c.	10.81	8.2	9.63	9.6	—	—
Service, n.e.c.	8.73	6.1	8.52	5.9	—	—
Service, n.e.c.	10.75	17.7	10.61	19.6	—	—

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, New York-Northern New Jersey-Long Island, NY-NJ-CT-PA, August 1998

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	\$11.75	6.0	\$11.36	7.2	\$13.95	7.1
All excluding sales	12.58	6.6	12.28	8.1	13.95	7.1
White collar	14.77	7.3	14.23	8.7	17.88	11.8
White collar excluding sales	18.21	8.6	18.30	10.4	17.88	11.8
Professional specialty and technical	28.04	8.5	27.42	9.6	31.23	21.7
Professional specialty	31.45	9.0	30.55	10.3	36.15	22.3
Engineers, architects, and surveyors	-	-	-	-	-	-
Mathematical and computer scientists	-	-	-	-	-	-
Health related	29.40	4.2	29.38	4.3	-	-
Physicians	53.33	7.4	53.33	7.4	-	-
Registered nurses	26.07	3.6	26.09	3.6	-	-
Teachers, college and university	99.04	11.5	-	-	-	-
Teachers, except college and university	15.96	10.3	17.80	11.0	13.12	11.0
Elementary school teachers	20.20	6.3	-	-	-	-
Teachers, n.e.c.	16.69	15.4	17.23	19.4	-	-
Substitute teachers	11.23	7.8	-	-	-	-
Librarians, archivists, and curators	-	-	-	-	-	-
Social scientists and urban planners	-	-	-	-	-	-
Social, recreation, and religious workers	16.40	8.8	-	-	-	-
Lawyers and judges	-	-	-	-	-	-
Writers, authors, entertainers, athletes, and professionals, n.e.c.	26.91	34.1	30.27	36.2	-	-
Athletes	15.33	6.4	15.22	10.6	-	-
Technical	16.69	5.0	16.99	5.7	15.15	9.7
Clinical laboratory technologists and technicians	18.48	21.4	18.48	21.4	-	-
Radiologic technicians	22.52	7.4	22.52	7.4	-	-
Licensed practical nurses	17.46	3.4	17.65	4.6	-	-
Health technologists and technicians, n.e.c.	13.47	4.4	13.89	3.5	-	-
Executive, administrative, and managerial	22.05	12.4	23.76	18.2	-	-
Executives, administrators, and managers	23.80	18.3	23.80	18.3	-	-
Management related	-	-	-	-	-	-
Sales	7.57	3.3	7.57	3.3	-	-
Sales workers, apparel	8.11	8.0	8.11	8.0	-	-
Sales workers, other commodities	7.31	4.8	7.31	4.8	-	-
Cashiers	7.01	3.3	7.01	3.3	-	-
Sales support, n.e.c.	10.62	21.8	10.62	21.8	-	-
Administrative support, including clerical	11.37	8.4	11.19	9.8	11.91	15.9
Secretaries	14.01	5.2	14.57	3.3	-	-
Interviewers	12.59	4.2	-	-	-	-
Receptionists	9.57	9.7	9.57	9.7	-	-
Library clerks	10.35	2.6	-	-	8.54	4.9
Bookkeepers, accounting and auditing clerks	9.13	3.3	9.13	3.3	-	-
General office clerks	8.47	12.6	9.84	4.7	-	-
Bank tellers	11.07	3.9	11.07	3.9	-	-
Data entry keyers	10.02	6.8	10.02	6.8	-	-
Teachers' aides	14.45	8.7	-	-	-	-
Administrative support, n.e.c.	9.38	11.7	9.44	12.9	-	-
Blue collar	10.01	11.5	9.96	12.1	10.91	19.1
Precision production, craft, and repair	-	-	-	-	-	-
Machine operators, assemblers, and inspectors	9.14	8.9	8.94	9.5	-	-
Transportation and material moving	10.42	12.5	10.04	13.2	-	-
Truck drivers	11.97	6.5	11.97	6.5	-	-
Handlers, equipment cleaners, helpers, and laborers	7.62	5.6	7.67	5.9	-	-
Stock handlers and baggers	7.58	6.0	7.58	6.0	-	-
Freight, stock, and material handlers, n.e.c.	8.82	10.4	8.82	10.4	-	-

See footnotes at end of table.

Table 2-3. Mean hourly earnings¹, part-time workers:² Selected occupations, private industry and State and local government, National Compensation Survey, New York-Northern New Jersey-Long Island, NY-NJ-CT-PA, August 1998
— 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 —Continued						
Hand packers and packagers	\$6.71	5.7	\$6.71	5.7	—	—
Service	8.09	3.6	7.63	3.8	\$10.00	4.0
Protective service	9.58	7.4	8.52	6.6	11.99	2.9
Guards and police, except public service	8.57	6.3	8.55	6.6	—	—
Food service	6.34	7.2	5.72	5.3	10.04	3.5
Waiters and waitresses	4.72	16.3	4.72	16.3	—	—
Kitchen workers, food preparation	7.78	5.2	7.78	5.2	—	—
Waiters'/Waitresses' assistants	3.95	12.1	3.95	12.1	—	—
Food preparation, n.e.c.	6.84	9.6	5.86	3.8	9.98	4.0
Health service	9.18	4.5	9.16	4.6	—	—
Health aides, except nursing	9.63	11.1	9.46	11.8	—	—
Nursing aides, orderlies and attendants	9.12	4.8	9.13	4.9	—	—
Cleaning and building service	7.98	6.9	7.91	6.8	—	—
Janitors and cleaners	8.02	7.1	7.95	7.1	—	—
Personal service	9.15	4.3	9.13	8.4	9.17	2.4
Early childhood teachers' assistants	9.50	16.5	—	—	—	—
Child care workers, n.e.c.	9.10	2.5	—	—	9.47	1.1
Service, n.e.c.	8.85	17.7	9.29	20.8	—	—

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 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, New York-Northern New Jersey-Long Island, NY-NJ-CT-PA, August 1998

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	\$819	1.8	38.2	\$794	2.3	38.5	\$899	2.0	37.2
All excluding sales	821	1.8	38.2	794	2.3	38.5	900	2.0	37.2
White collar	966	1.9	37.9	963	2.3	38.6	974	2.8	36.0
White collar excluding sales	978	1.8	37.8	979	2.2	38.5	976	2.8	36.0
Professional specialty and technical	1,127	1.8	37.3	1,102	2.2	38.3	1,168	3.5	35.6
Professional specialty	1,189	1.8	37.3	1,175	2.1	38.7	1,210	3.4	35.4
Engineers, architects, and surveyors	1,174	3.6	39.9	1,228	3.6	40.2	964	4.0	38.7
Civil engineers	1,055	6.7	39.6	-	-	-	-	-	-
Electrical and electronic engineers	1,182	6.1	39.5	1,182	6.1	39.5	-	-	-
Industrial engineers	1,207	15.6	39.4	1,207	15.6	39.4	-	-	-
Mechanical engineers	1,111	6.9	39.1	1,173	6.5	40.0	-	-	-
Engineers, n.e.c.	1,270	5.7	40.2	1,320	4.8	40.2	-	-	-
Mathematical and computer scientists	1,249	3.1	39.3	1,251	3.1	39.4	-	-	-
Computer systems analysts and scientists	1,269	3.3	39.7	1,272	3.3	39.7	-	-	-
Operations and systems researchers and analysts	1,229	7.5	38.5	1,229	7.5	38.5	-	-	-
Natural scientists	1,243	4.8	39.2	1,256	4.9	39.2	-	-	-
Chemists, except biochemists	1,225	6.6	39.9	1,225	6.6	39.9	-	-	-
Medical scientists	1,343	1.8	37.1	1,363	.9	37.2	-	-	-
Health related	1,065	2.2	39.1	1,084	2.5	38.4	986	3.4	42.5
Physicians	1,310	6.6	43.9	1,349	8.1	39.5	1,180	6.8	58.6
Registered nurses	1,030	1.7	38.0	1,048	1.8	38.1	939	3.9	37.4
Pharmacists	1,083	7.0	38.3	1,177	4.8	38.2	-	-	-
Dietitians	659	4.6	37.6	658	5.7	38.2	-	-	-
Respiratory therapists	839	2.3	38.0	-	-	-	-	-	-
Teachers, college and university	1,654	4.7	38.0	1,640	7.4	37.5	1,675	3.7	38.6
English teachers	2,007	9.0	36.7	-	-	-	-	-	-
Teachers, post secondary, subject not specified	1,698	11.6	38.6	2,010	19.3	37.7	1,452	9.7	39.3
Teachers, except college and university	1,241	4.1	33.8	826	5.6	36.8	1,299	4.3	33.4
Prekindergarten and kindergarten	1,055	29.6	34.5	-	-	-	-	-	-
Elementary school teachers	1,379	4.1	34.7	1,002	5.6	38.9	1,435	4.4	34.1
Secondary school teachers	1,478	6.5	34.7	1,230	13.2	40.3	1,492	6.7	34.4
Teachers, special education	1,231	4.5	33.4	751	8.7	34.8	1,294	4.0	33.2
Teachers, n.e.c.	1,092	6.9	32.7	812	10.1	35.9	1,116	7.3	32.4
Vocational and educational counselors	1,088	13.2	34.2	708	10.7	36.4	1,240	8.5	33.4
Librarians, archivists, and curators	1,036	9.5	35.4	956	9.2	35.5	1,313	17.2	35.1
Librarians	987	10.2	35.4	872	7.4	35.6	1,313	17.2	35.1
Social scientists and urban planners	1,075	8.0	35.8	927	9.8	36.7	1,267	6.3	34.6
Economists	982	10.2	36.7	982	10.2	36.7	-	-	-
Psychologists	1,169	9.7	35.1	788	15.8	36.8	1,293	5.3	34.5
Social, recreation, and religious workers	783	6.6	37.0	759	5.4	37.1	795	10.0	36.9
Social workers	800	7.2	37.0	773	5.3	37.0	814	10.7	37.0
Recreation workers	515	9.2	36.9	-	-	-	-	-	-
Lawyers and judges	1,582	15.7	40.6	2,232	9.9	46.7	1,129	9.8	36.3
Lawyers	1,582	15.7	40.6	2,232	9.9	46.7	1,129	9.8	36.3
Writers, authors, entertainers, athletes, and professionals, n.e.c.	1,172	5.8	38.2	1,185	5.8	38.2	-	-	-
Designers	1,096	7.4	38.5	1,096	7.4	38.5	-	-	-

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, New York-Northern New Jersey-Long Island, NY-NJ-CT-PA, August 1998 — 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)	
White collar —Continued									
Professional specialty and technical —Continued									
Professional specialty —Continued									
Writers, authors, entertainers, athletes, and professionals, n.e.c. —Continued									
Painters, sculptors, craft artists, and artist printmakers									
	\$670	19.9	38.5	—	—	—	—	—	—
Editors and reporters									
	1,211	14.8	36.4	\$1,211	14.8	36.4	—	—	—
Public relations specialists									
	813	10.6	37.6	—	—	—	—	—	—
Professional, n.e.c.									
	1,251	6.1	39.2	1,256	6.1	39.2	—	—	—
Technical									
	843	6.2	37.2	874	6.8	37.0	\$677	5.6	38.0
Clinical laboratory technologists and technicians									
	704	5.1	38.0	688	5.8	38.1	813	8.3	37.5
Radiologic technicians									
	853	4.2	37.3	844	4.3	37.4	—	—	—
Licensed practical nurses									
	609	2.7	37.4	612	3.3	37.3	591	3.0	38.0
Health technologists and technicians, n.e.c.									
	617	2.5	38.4	586	3.5	38.2	657	7.3	38.6
Electrical and electronic technicians									
	830	7.1	40.0	830	7.1	40.0	—	—	—
Engineering technicians, n.e.c.									
	719	10.8	39.7	719	10.8	39.7	—	—	—
Drafters									
	661	2.9	40.0	661	2.9	40.0	—	—	—
Broadcast equipment operators									
	1,328	5.9	38.5	1,328	5.9	38.5	—	—	—
Computer programmers									
	941	8.1	38.7	976	8.4	39.1	—	—	—
Legal assistants									
	734	6.6	36.6	—	—	—	—	—	—
Technical and related, n.e.c. ...									
	858	7.7	38.3	870	8.1	38.3	—	—	—
Executive, administrative, and managerial									
	1,334	3.0	38.7	1,413	2.9	39.1	1,022	7.0	37.3
Executives, administrators, and managers									
	1,557	2.8	39.2	1,586	2.9	39.5	1,371	6.6	37.3
Administrators and officials, public administration									
	1,244	8.6	36.8	—	—	—	1,253	9.0	36.9
Financial managers									
	1,674	7.0	38.7	1,731	7.0	38.7	—	—	—
Personnel and labor relations managers									
	1,479	8.5	37.9	1,479	8.5	37.9	—	—	—
Managers, marketing, advertising, and public relations									
	1,820	7.4	39.6	1,820	7.4	39.6	—	—	—
Administrators, education and related fields									
	1,443	10.9	36.3	962	12.5	36.3	1,733	7.2	36.2
Managers, medicine and health									
	1,478	10.2	38.7	1,617	10.3	39.0	986	3.7	37.8
Managers, service organizations, n.e.c.									
	1,560	10.1	36.8	1,602	10.1	36.8	—	—	—
Managers and administrators, n.e.c.									
	1,528	3.2	40.0	1,540	3.3	40.1	1,374	11.2	37.9
Management related									
	1,033	6.1	38.0	1,127	6.9	38.3	805	6.5	37.3
Accountants and auditors									
	981	3.2	38.6	992	3.4	38.8	—	—	—
Other financial officers									
	1,366	18.4	37.5	1,473	18.6	38.1	—	—	—
Management analysts									
	1,192	7.8	36.9	1,234	8.3	37.2	—	—	—
Personnel, training, and labor relations specialists									
	938	9.0	38.5	1,062	8.5	38.6	717	6.2	38.4
Purchasing agents and buyers, n.e.c.									
	1,033	9.8	38.0	1,039	10.0	38.0	—	—	—
Construction inspectors									
	970	10.5	39.2	—	—	—	—	—	—

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, New York-Northern New Jersey-Long Island, NY-NJ-CT-PA, August 1998 — 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)	
White collar –Continued									
Executive, administrative, and managerial –Continued									
Management related –Continued									
Inspectors and compliance officers, except construction	\$750	11.1	37.6	\$1,095	5.7	37.7	\$698	11.3	37.6
Management related, n.e.c.	938	4.7	37.8	949	6.0	38.1	909	6.0	37.2
Sales	788	8.3	39.5	792	8.4	39.5	–	–	–
Supervisors, sales	935	7.9	40.2	935	7.9	40.2	–	–	–
Advertising and related sales	791	6.7	36.3	791	6.7	36.3	–	–	–
Sales, other business services	953	8.8	38.0	953	8.8	38.0	–	–	–
Sales representatives, mining, manufacturing, and wholesale	1,142	11.8	40.3	1,142	11.8	40.3	–	–	–
Sales workers, apparel	354	19.1	37.9	354	19.1	37.9	–	–	–
Sales workers, radio, tv, hi-fi, and appliances	540	18.5	40.3	540	18.5	40.3	–	–	–
Sales workers, hardware and building supplies	590	8.7	40.0	590	8.7	40.0	–	–	–
Sales workers, other commodities	375	4.8	39.3	375	4.8	39.3	–	–	–
Cashiers	519	6.9	39.5	490	6.0	39.4	–	–	–
Sales support, n.e.c.	631	16.5	38.5	631	16.5	38.5	–	–	–
Administrative support, including clerical	569	1.6	37.8	575	1.8	38.2	545	2.4	35.9
Supervisors, general office	769	5.3	37.4	796	6.3	37.7	681	3.6	36.3
Supervisors, financial records processing	778	6.3	38.1	792	6.6	38.4	–	–	–
Supervisors, distribution, scheduling, and adjusting clerks	890	11.2	39.3	890	11.2	39.3	–	–	–
Computer operators	592	6.5	37.6	580	6.7	37.7	–	–	–
Secretaries	609	1.9	37.3	611	2.1	37.5	600	3.4	36.7
Stenographers	641	4.0	38.0	–	–	–	652	4.9	38.1
Typists	492	5.2	35.7	525	5.8	37.3	466	7.1	34.5
Interviewers	453	9.5	36.2	443	10.7	36.4	–	–	–
Hotel clerks	378	9.4	38.1	378	9.4	38.1	–	–	–
Transportation ticket and reservation agents	571	10.9	39.4	571	10.9	39.4	–	–	–
Receptionists	445	4.2	38.5	445	4.2	38.5	–	–	–
Order clerks	694	5.2	38.2	694	5.2	38.2	–	–	–
Personnel clerks, except payroll and timekeeping	534	8.6	38.7	–	–	–	–	–	–
Library clerks	452	10.4	34.1	547	5.7	36.4	–	–	–
File clerks	429	4.9	37.0	429	4.9	37.0	–	–	–
Records clerks, n.e.c.	561	4.3	38.2	570	4.7	38.0	–	–	–
Bookkeepers, accounting and auditing clerks	561	2.7	37.6	558	2.9	38.0	589	5.7	34.4
Payroll and timekeeping clerks	578	9.5	38.2	578	9.5	38.2	–	–	–
Billing clerks	483	3.4	38.5	483	3.4	38.5	–	–	–
Telephone operators	597	5.1	38.5	606	4.6	38.6	–	–	–
Mail clerks, except postal service	475	13.0	38.7	475	13.0	38.7	–	–	–
Messengers	359	17.3	38.5	348	18.6	39.0	–	–	–
Dispatchers	593	4.9	39.6	586	5.9	39.5	–	–	–
Traffic, shipping and receiving clerks	496	3.6	39.2	492	4.1	39.4	–	–	–
Stock and inventory clerks	567	5.6	39.2	567	5.6	39.2	–	–	–

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, New York-Northern New Jersey-Long Island, NY-NJ-CT-PA, August 1998 — 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)	
White collar —Continued									
Administrative support, including clerical —Continued									
Material recording, scheduling, and distribution clerks, n.e.c.	\$490	13.2	38.1	\$490	13.2	38.1	—	—	—
Insurance adjusters, examiners, and investigators	726	14.5	39.1	726	14.5	39.1	—	—	—
Investigators and adjusters, except insurance	682	7.1	39.4	684	7.6	39.3	—	—	—
Eligibility clerks, social welfare	521	4.4	35.6	—	—	—	\$526	4.3	35.0
Bill and account collectors	682	5.8	39.6	682	5.8	39.6	—	—	—
General office clerks	528	3.6	37.5	528	4.7	38.1	531	4.8	36.0
Bank tellers	397	2.9	38.1	397	2.9	38.1	—	—	—
Data entry keyers	446	4.6	38.7	428	4.7	38.4	—	—	—
Statistical clerks	448	8.8	36.0	444	8.9	36.0	—	—	—
Teachers' aides	366	6.9	32.5	—	—	—	385	6.4	30.6
Administrative support, n.e.c.	581	5.5	37.4	612	5.7	37.8	495	2.5	36.2
Blue collar	592	2.8	39.5	574	3.0	39.5	716	5.6	39.3
Precision production, craft, and repair									
Supervisors, mechanics and repairers	825	2.7	39.5	822	3.1	39.5	838	5.3	39.1
Automobile mechanics	1,044	5.0	39.9	1,116	2.2	39.8	—	—	—
Industrial machinery repairers	892	5.0	39.8	—	—	—	911	4.7	39.7
Electronic repairers, communications and industrial equipment	725	4.5	39.9	725	4.5	39.9	—	—	—
Heating, air conditioning, and refrigeration mechanics	897	5.9	39.9	897	5.9	39.9	—	—	—
Mechanics and repairers, n.e.c.	842	7.8	39.7	—	—	—	—	—	—
Supervisors, electricians and power transmission installers	748	4.1	39.0	745	5.4	38.8	756	5.0	39.5
Carpenters	1,214	9.7	39.0	1,165	10.5	38.8	—	—	—
Electricians	843	10.0	39.1	831	12.3	40.0	—	—	—
Painters, construction and maintenance	923	7.9	39.4	963	8.0	39.5	—	—	—
Plumbers, pipefitters and steamfitters	851	7.7	36.9	907	5.3	37.4	—	—	—
Construction trades, n.e.c.	821	4.4	38.5	—	—	—	—	—	—
Supervisors, production	712	17.1	37.9	712	17.1	37.9	—	—	—
Machinists	886	7.6	40.2	886	7.6	40.2	—	—	—
Electrical and electronic equipment assemblers	696	9.6	40.0	643	8.4	40.0	—	—	—
Miscellaneous precision workers, n.e.c.	433	8.9	39.8	433	8.9	39.8	—	—	—
Stationary engineers	905	11.2	40.0	905	11.2	40.0	—	—	—
Machine operators, assemblers, and inspectors	847	7.1	39.4	861	7.7	39.6	—	—	—
Punching and stamping press operators	432	3.9	39.7	429	4.0	39.8	—	—	—
Grinding, abrading, buffing, and polishing machine operators	362	8.6	40.0	362	8.6	40.0	—	—	—
	472	9.8	40.0	472	9.8	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, New York-Northern New Jersey-Long Island, NY-NJ-CT-PA, August 1998** — 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									
Machine operators, assemblers, and inspectors –Continued									
Numerical control machine operators	\$469	7.3	40.0	\$469	7.3	40.0	–	–	–
Fabricating machine operators, n.e.c.	530	15.5	40.0	530	15.5	40.0	–	–	–
Textile sewing machine operators	291	6.2	39.7	291	6.2	39.7	–	–	–
Laundering and dry cleaning machine operators	422	6.9	39.1	418	7.4	39.3	–	–	–
Packaging and filling machine operators	399	14.5	40.0	399	14.5	40.0	–	–	–
Mixing and blending machine operators	506	7.2	39.8	506	7.2	39.8	–	–	–
Photographic process machine operators	443	3.0	40.0	443	3.0	40.0	–	–	–
Miscellaneous machine operators, n.e.c.	512	6.4	39.5	512	6.4	39.5	–	–	–
Assemblers	340	7.0	39.9	340	7.0	39.9	–	–	–
Production inspectors, checkers and examiners ...	444	6.6	39.8	444	6.6	39.8	–	–	–
Transportation and material moving	618	4.5	39.0	610	4.8	39.0	\$638	11.2	39.1
Truck drivers	633	3.7	39.9	616	3.5	39.9	–	–	–
Driver-sales workers	753	3.1	40.0	753	3.1	40.0	–	–	–
Bus drivers	460	15.2	33.5	–	–	–	–	–	–
Motor transportation, n.e.c.	487	15.4	37.8	–	–	–	–	–	–
Industrial truck and tractor equipment operators	544	13.9	40.0	544	13.9	40.0	–	–	–
Miscellaneous material moving equipment operators, n.e.c.	750	8.3	39.5	–	–	–	–	–	–
Handlers, equipment cleaners, helpers, and laborers	504	5.1	39.5	477	5.8	39.5	642	3.7	39.8
Groundskeepers and gardeners, except farm	510	7.5	39.6	467	5.5	39.5	–	–	–
Supervisors, handlers, equipment cleaners, and laborers, n.e.c.	652	14.7	38.6	598	14.8	38.4	–	–	–
Helpers, construction trades ...	561	6.5	39.3	–	–	–	–	–	–
Production helpers	369	7.6	39.2	369	7.6	39.2	–	–	–
Stock handlers and baggers ...	581	8.5	39.8	581	8.6	39.8	–	–	–
Freight, stock, and material handlers, n.e.c.	512	7.6	40.0	512	7.6	40.0	–	–	–
Hand packers and packagers	463	14.0	40.0	463	14.0	40.0	–	–	–
Laborers, except construction, n.e.c.	450	7.2	39.6	422	9.0	39.5	585	4.6	40.0
Service	540	4.2	37.8	400	3.9	36.9	788	3.6	39.3
Protective service	796	5.7	39.8	437	9.8	39.5	944	3.5	39.9
Supervisors, police and detectives	1,245	7.6	39.9	–	–	–	1,245	7.6	39.9
Supervisors, guards	648	8.1	40.0	648	8.1	40.0	–	–	–
Police and detectives, public service	937	5.2	39.3	–	–	–	937	5.2	39.3
Sheriffs, bailiffs, and other law enforcement officers	871	5.9	38.0	–	–	–	871	5.9	38.0

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, New York-Northern New Jersey-Long Island, NY-NJ-CT-PA, August 1998 — 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									
Protective service—Continued									
Correctional institution officers	\$831	3.2	39.8	—	—	—	\$831	3.2	39.8
Guards and police, except public service	413	10.2	39.4	\$408	10.8	39.5	527	2.6	37.3
Food service	374	5.7	38.7	364	6.3	38.9	452	9.9	37.7
Supervisors, food preparation and service	562	8.0	41.1	530	8.1	41.3	—	—	—
Waiters and waitresses	240	15.1	38.1	240	15.1	38.1	—	—	—
Cooks	443	6.4	39.2	437	6.9	39.3	542	5.1	37.3
Kitchen workers, food preparation	479	10.2	39.6	481	10.6	39.6	—	—	—
Food preparation, n.e.c.	333	8.0	38.0	312	9.3	38.1	405	4.1	37.7
Health service	375	4.7	37.2	345	4.6	37.0	538	2.3	38.8
Health aides, except nursing ..	476	3.6	38.2	448	4.9	37.7	541	2.2	39.2
Nursing aides, orderlies and attendants	358	5.0	37.1	331	4.6	36.9	537	3.1	38.6
Cleaning and building service	499	4.2	38.5	468	7.1	38.3	560	4.5	39.0
Supervisors, cleaning and building service workers ...	758	4.5	39.4	—	—	—	—	—	—
Maids and housemen	440	6.6	36.7	440	6.6	36.7	—	—	—
Janitors and cleaners	507	4.9	39.1	469	10.0	39.3	552	4.7	38.9
Personal service	454	8.9	31.7	461	10.7	30.6	420	5.6	36.7
Early childhood teachers' assistants	377	8.7	34.9	330	9.3	34.3	—	—	—
Child care workers, n.e.c.	337	4.8	38.6	332	5.0	39.0	—	—	—
Service, n.e.c.	356	22.9	33.1	347	24.9	32.7	—	—	—

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

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

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

⁴ The relative standard error (RSE) is the standard error expressed as a

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

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

NOTE: Dashes indicate that no data were reported or that data did not meet publication criteria, and n.e.c. means "not elsewhere classified." Overall occupational groups may include data for categories not shown separately. 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 3-2. Mean annual earnings¹, full-time workers:² Selected occupations, private industry and State and local government, National Compensation Survey, New York-Northern New Jersey-Long Island, NY-NJ-CT-PA, August 1998

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	\$41,589	1.8	1,940	\$41,006	2.3	1,991	\$43,267	2.0	1,791
All excluding sales	41,614	1.8	1,935	40,995	2.3	1,988	43,312	2.0	1,790
White collar	48,551	1.9	1,907	49,723	2.3	1,991	45,319	2.8	1,676
White collar excluding sales	49,065	1.8	1,897	50,508	2.2	1,985	45,399	2.8	1,673
Professional specialty and technical	54,054	1.8	1,789	56,004	2.2	1,945	51,187	3.5	1,558
Professional specialty	56,121	1.8	1,760	59,273	2.1	1,952	52,330	3.4	1,529
Engineers, architects, and surveyors	61,066	3.6	2,075	63,857	3.6	2,090	50,136	4.0	2,014
Civil engineers	54,868	6.7	2,059	-	-	-	-	-	-
Electrical and electronic engineers	61,450	6.1	2,054	61,450	6.1	2,054	-	-	-
Industrial engineers	62,786	15.6	2,046	62,786	15.6	2,046	-	-	-
Mechanical engineers	57,769	6.9	2,033	60,972	6.5	2,080	-	-	-
Engineers, n.e.c.	66,062	5.7	2,091	68,643	4.8	2,092	-	-	-
Mathematical and computer scientists	64,958	3.1	2,045	65,054	3.1	2,048	-	-	-
Computer systems analysts and scientists	66,011	3.3	2,062	66,134	3.3	2,065	-	-	-
Operations and systems researchers and analysts	63,928	7.5	2,003	63,928	7.5	2,003	-	-	-
Natural scientists	64,624	4.8	2,039	65,287	4.9	2,040	-	-	-
Chemists, except biochemists	63,717	6.6	2,072	63,717	6.6	2,072	-	-	-
Medical scientists	69,846	1.8	1,930	70,850	.9	1,935	-	-	-
Health related	55,233	2.2	2,029	56,332	2.5	1,994	50,512	3.4	2,180
Physicians	68,141	6.6	2,282	70,169	8.1	2,052	61,359	6.8	3,049
Registered nurses	53,356	1.7	1,969	54,499	1.8	1,983	47,653	3.9	1,899
Pharmacists	56,310	7.0	1,992	61,192	4.8	1,986	-	-	-
Dietitians	34,242	4.6	1,953	34,197	5.7	1,987	-	-	-
Respiratory therapists	43,628	2.3	1,974	-	-	-	-	-	-
Teachers, college and university	65,005	4.7	1,492	62,324	7.4	1,426	69,409	3.7	1,599
English teachers	80,048	9.0	1,465	-	-	-	-	-	-
Teachers, post secondary, subject not specified	70,533	11.6	1,603	84,743	19.3	1,591	59,601	9.7	1,612
Teachers, except college and university	50,344	4.1	1,371	36,750	5.6	1,637	52,072	4.3	1,337
Prekindergarten and kindergarten	45,497	29.6	1,490	-	-	-	-	-	-
Elementary school teachers	54,727	4.1	1,376	39,521	5.6	1,535	56,992	4.4	1,353
Secondary school teachers	58,614	6.5	1,376	46,224	13.2	1,515	59,328	6.7	1,368
Teachers, special education	50,008	4.5	1,357	36,053	8.7	1,671	51,528	4.0	1,323
Teachers, n.e.c.	44,435	6.9	1,330	37,592	10.1	1,664	44,944	7.3	1,305
Vocational and educational counselors	50,292	13.2	1,583	36,818	10.7	1,894	54,904	8.5	1,477
Librarians, archivists, and curators	49,124	9.5	1,677	47,660	9.2	1,768	53,237	17.2	1,422
Librarians	46,146	10.2	1,655	43,079	7.4	1,757	53,237	17.2	1,422
Social scientists and urban planners	51,830	8.0	1,725	47,628	9.8	1,883	56,600	6.3	1,546
Economists	51,066	10.2	1,908	51,066	10.2	1,908	-	-	-
Psychologists	53,157	9.7	1,594	38,906	15.8	1,816	57,321	5.3	1,529
Social, recreation, and religious workers	40,289	6.6	1,904	38,793	5.4	1,896	41,112	10.0	1,909
Social workers	41,439	7.2	1,914	40,211	5.3	1,922	42,038	10.7	1,910
Recreation workers	25,416	9.2	1,824	-	-	-	-	-	-
Lawyers and judges	82,279	15.7	2,110	116,069	9.9	2,429	58,716	9.8	1,888
Lawyers	82,279	15.7	2,110	116,069	9.9	2,429	58,716	9.8	1,888
Writers, authors, entertainers, athletes, and professionals, n.e.c.	60,943	5.8	1,987	61,595	5.8	1,985	-	-	-
Designers	56,974	7.4	2,004	56,974	7.4	2,004	-	-	-

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, New York-Northern New Jersey-Long Island, NY-NJ-CT-PA, August 1998 — 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)	
White collar —Continued									
Professional specialty and technical —Continued									
Professional specialty —Continued									
Writers, authors, entertainers, athletes, and professionals, n.e.c. —Continued									
Painters, sculptors, craft artists, and artist printmakers	\$34,819	19.9	2,004	—	—	—	—	—	—
Editors and reporters	62,971	14.8	1,895	\$62,971	14.8	1,895	—	—	—
Public relations specialists	42,291	10.6	1,953	—	—	—	—	—	—
Professional, n.e.c.	65,073	6.1	2,038	65,295	6.1	2,037	—	—	—
Technical	43,767	6.2	1,931	45,425	6.8	1,923	\$35,085	5.6	1,971
Clinical laboratory technologists and technicians	36,609	5.1	1,976	35,756	5.8	1,979	42,276	8.3	1,949
Radiologic technicians	44,378	4.2	1,939	43,908	4.3	1,947	—	—	—
Licensed practical nurses	31,652	2.7	1,945	31,835	3.3	1,939	30,747	3.0	1,978
Health technologists and technicians, n.e.c.	32,016	2.5	1,992	30,367	3.5	1,982	34,153	7.3	2,005
Electrical and electronic technicians	43,161	7.1	2,078	43,161	7.1	2,078	—	—	—
Engineering technicians, n.e.c.	37,374	10.8	2,064	37,374	10.8	2,064	—	—	—
Drafters	34,371	2.9	2,080	34,371	2.9	2,080	—	—	—
Broadcast equipment operators	69,069	5.9	2,003	69,069	5.9	2,003	—	—	—
Computer programmers	48,932	8.1	2,012	50,754	8.4	2,032	—	—	—
Legal assistants	38,159	6.6	1,903	—	—	—	—	—	—
Technical and related, n.e.c. ...	44,312	7.7	1,979	45,237	8.1	1,992	—	—	—
Executive, administrative, and managerial									
Executives, administrators, and managers	80,439	2.8	2,025	82,493	2.9	2,054	67,939	6.6	1,848
Administrators and officials, public administration	64,402	8.6	1,906	—	—	—	64,844	9.0	1,911
Financial managers	87,037	7.0	2,012	90,004	7.0	2,011	—	—	—
Personnel and labor relations managers	76,883	8.5	1,971	76,883	8.5	1,971	—	—	—
Managers, marketing, advertising, and public relations	94,659	7.4	2,060	94,659	7.4	2,060	—	—	—
Administrators, education and related fields	68,031	10.9	1,709	50,038	12.5	1,889	77,342	7.2	1,616
Managers, medicine and health	76,836	10.2	2,013	84,073	10.3	2,027	51,282	3.7	1,965
Managers, service organizations, n.e.c.	81,128	10.1	1,912	83,286	10.1	1,914	—	—	—
Managers and administrators, n.e.c.	79,480	3.2	2,079	80,074	3.3	2,087	71,432	11.2	1,971
Management related	53,686	6.1	1,977	58,578	6.9	1,994	41,876	6.5	1,937
Accountants and auditors	51,004	3.2	2,008	51,597	3.4	2,016	—	—	—
Other financial officers	71,046	18.4	1,950	76,605	18.6	1,982	—	—	—
Management analysts	61,972	7.8	1,919	64,184	8.3	1,934	—	—	—
Personnel, training, and labor relations specialists	48,647	9.0	1,998	55,027	8.5	1,998	37,267	6.2	1,999
Purchasing agents and buyers, n.e.c.	53,724	9.8	1,975	54,032	10.0	1,976	—	—	—
Construction inspectors	50,458	10.5	2,040	—	—	—	—	—	—

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, New York-Northern New Jersey-Long Island, NY-NJ-CT-PA, August 1998 — 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)	
White collar –Continued									
Executive, administrative, and managerial –Continued									
Management related –Continued									
Inspectors and compliance officers, except construction	\$38,982	11.1	1,954	\$56,934	5.7	1,959	\$36,301	11.3	1,954
Management related, n.e.c.	48,751	4.7	1,968	49,327	6.0	1,980	47,286	6.0	1,937
Sales	40,985	8.3	2,054	41,207	8.4	2,053	–	–	–
Supervisors, sales	48,629	7.9	2,089	48,629	7.9	2,089	–	–	–
Advertising and related sales	41,116	6.7	1,888	41,116	6.7	1,888	–	–	–
Sales, other business services	49,567	8.8	1,977	49,567	8.8	1,977	–	–	–
Sales representatives, mining, manufacturing, and wholesale	59,380	11.8	2,094	59,380	11.8	2,094	–	–	–
Sales workers, apparel	18,434	19.1	1,972	18,434	19.1	1,972	–	–	–
Sales workers, radio, tv, hi-fi, and appliances	28,089	18.5	2,097	28,089	18.5	2,097	–	–	–
Sales workers, hardware and building supplies	30,670	8.7	2,080	30,670	8.7	2,080	–	–	–
Sales workers, other commodities	19,518	4.8	2,044	19,518	4.8	2,044	–	–	–
Cashiers	26,995	6.9	2,054	25,486	6.0	2,049	–	–	–
Sales support, n.e.c.	32,821	16.5	2,001	32,821	16.5	2,001	–	–	–
Administrative support, including clerical	29,295	1.6	1,945	29,876	1.8	1,987	26,933	2.4	1,774
Supervisors, general office	39,707	5.3	1,932	41,377	6.3	1,963	34,477	3.6	1,835
Supervisors, financial records processing	40,453	6.3	1,982	41,203	6.6	1,998	–	–	–
Supervisors, distribution, scheduling, and adjusting clerks	46,273	11.2	2,043	46,273	11.2	2,043	–	–	–
Computer operators	30,796	6.5	1,954	30,179	6.7	1,963	–	–	–
Secretaries	31,262	1.9	1,915	31,756	2.1	1,946	29,431	3.4	1,799
Stenographers	33,321	4.0	1,975	–	–	–	33,893	4.9	1,982
Typists	23,718	5.2	1,723	27,283	5.8	1,940	21,230	7.1	1,572
Interviewers	23,562	9.5	1,882	23,027	10.7	1,893	–	–	–
Hotel clerks	19,676	9.4	1,980	19,676	9.4	1,980	–	–	–
Transportation ticket and reservation agents	29,712	10.9	2,046	29,712	10.9	2,046	–	–	–
Receptionists	23,123	4.2	2,000	23,123	4.2	2,000	–	–	–
Order clerks	36,106	5.2	1,987	36,106	5.2	1,987	–	–	–
Personnel clerks, except payroll and timekeeping	27,744	8.6	2,015	–	–	–	–	–	–
Library clerks	21,481	10.4	1,624	28,462	5.7	1,891	–	–	–
File clerks	22,294	4.9	1,926	22,294	4.9	1,926	–	–	–
Records clerks, n.e.c.	29,166	4.3	1,988	29,616	4.7	1,978	–	–	–
Bookkeepers, accounting and auditing clerks	29,168	2.7	1,957	29,014	2.9	1,975	30,624	5.7	1,786
Payroll and timekeeping clerks	30,052	9.5	1,988	30,052	9.5	1,988	–	–	–
Billing clerks	25,112	3.4	2,001	25,112	3.4	2,001	–	–	–
Telephone operators	31,062	5.1	2,000	31,514	4.6	2,005	–	–	–
Mail clerks, except postal service	24,693	13.0	2,013	24,693	13.0	2,013	–	–	–
Messengers	18,666	17.3	2,000	18,076	18.6	2,028	–	–	–
Dispatchers	30,827	4.9	2,060	30,446	5.9	2,055	–	–	–
Traffic, shipping and receiving clerks	25,811	3.6	2,037	25,603	4.1	2,048	–	–	–
Stock and inventory clerks	29,509	5.6	2,037	29,509	5.6	2,037	–	–	–

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, New York-Northern New Jersey-Long Island, NY-NJ-CT-PA, August 1998 — 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)	
White collar —Continued									
Administrative support, including clerical —Continued									
Material recording, scheduling, and distribution clerks, n.e.c.	\$25,493	13.2	1,982	\$25,493	13.2	1,982	—	—	—
Insurance adjusters, examiners, and investigators	37,744	14.5	2,035	37,744	14.5	2,035	—	—	—
Investigators and adjusters, except insurance	35,470	7.1	2,048	35,569	7.6	2,046	—	—	—
Eligibility clerks, social welfare	27,076	4.4	1,854	—	—	—	\$27,344	4.3	1,821
Bill and account collectors	35,483	5.8	2,058	35,483	5.8	2,058	—	—	—
General office clerks	27,400	3.6	1,944	27,414	4.7	1,982	27,365	4.8	1,856
Bank tellers	20,651	2.9	1,980	20,651	2.9	1,980	—	—	—
Data entry keyers	23,190	4.6	2,010	22,251	4.7	1,998	—	—	—
Statistical clerks	23,282	8.8	1,871	23,087	8.9	1,873	—	—	—
Teachers' aides	15,166	6.9	1,345	—	—	—	14,928	6.4	1,187
Administrative support, n.e.c.	30,136	5.5	1,939	31,806	5.7	1,968	25,436	2.5	1,860
Blue collar	30,630	2.8	2,042	29,684	3.0	2,046	36,768	5.6	2,016
Precision production, craft, and repair	42,714	2.7	2,044	42,528	3.1	2,046	43,597	5.3	2,034
Supervisors, mechanics and repairers	54,049	5.0	2,063	57,686	2.2	2,060	—	—	—
Automobile mechanics	46,383	5.0	2,068	—	—	—	47,363	4.7	2,066
Industrial machinery repairers	37,719	4.5	2,073	37,719	4.5	2,073	—	—	—
Electronic repairers, communications and industrial equipment	46,627	5.9	2,077	46,627	5.9	2,077	—	—	—
Heating, air conditioning, and refrigeration mechanics	43,772	7.8	2,062	—	—	—	—	—	—
Mechanics and repairers, n.e.c.	38,916	4.1	2,029	38,755	5.4	2,018	39,320	5.0	2,056
Supervisors, electricians and power transmission installers	59,586	9.7	1,915	56,611	10.5	1,886	—	—	—
Carpenters	43,822	10.0	2,033	43,201	12.3	2,080	—	—	—
Electricians	47,148	7.9	2,013	48,991	8.0	2,008	—	—	—
Painters, construction and maintenance	44,276	7.7	1,920	47,158	5.3	1,947	—	—	—
Plumbers, pipefitters and steamfitters	42,708	4.4	2,002	—	—	—	—	—	—
Construction trades, n.e.c.	37,049	17.1	1,969	37,049	17.1	1,969	—	—	—
Supervisors, production	45,346	7.6	2,057	45,346	7.6	2,057	—	—	—
Machinists	36,190	9.6	2,080	33,435	8.4	2,080	—	—	—
Electrical and electronic equipment assemblers	22,539	8.9	2,071	22,539	8.9	2,071	—	—	—
Miscellaneous precision workers, n.e.c.	47,055	11.2	2,080	47,055	11.2	2,080	—	—	—
Stationary engineers	44,058	7.1	2,047	44,798	7.7	2,059	—	—	—
Machine operators, assemblers, and inspectors	22,407	3.9	2,064	22,297	4.0	2,065	—	—	—
Punching and stamping press operators	18,811	8.6	2,080	18,811	8.6	2,080	—	—	—
Grinding, abrading, buffing, and polishing machine operators	24,523	9.8	2,080	24,523	9.8	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, New York-Northern New Jersey-Long Island, NY-NJ-CT-PA, August 1998 — 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									
Machine operators, assemblers, and inspectors –Continued									
Numerical control machine operators	\$24,377	7.3	2,080	\$24,377	7.3	2,080	–	–	–
Fabricating machine operators, n.e.c.	27,546	15.5	2,080	27,546	15.5	2,080	–	–	–
Textile sewing machine operators	15,126	6.2	2,062	15,126	6.2	2,062	–	–	–
Laundering and dry cleaning machine operators	21,918	6.9	2,035	21,760	7.4	2,046	–	–	–
Packaging and filling machine operators	20,729	14.5	2,080	20,729	14.5	2,080	–	–	–
Mixing and blending machine operators	26,296	7.2	2,070	26,296	7.2	2,070	–	–	–
Photographic process machine operators	23,016	3.0	2,080	23,016	3.0	2,080	–	–	–
Miscellaneous machine operators, n.e.c.	26,620	6.4	2,054	26,620	6.4	2,054	–	–	–
Assemblers	17,700	7.0	2,074	17,700	7.0	2,074	–	–	–
Production inspectors, checkers and examiners ...	23,099	6.6	2,070	23,099	6.6	2,070	–	–	–
Transportation and material moving									
Truck drivers	31,319	4.5	1,979	31,138	4.8	1,989	\$31,831	11.2	1,950
Driver-sales workers	32,933	3.7	2,075	32,034	3.5	2,074	–	–	–
Bus drivers	39,159	3.1	2,079	39,159	3.1	2,079	–	–	–
Motor transportation, n.e.c.	20,030	15.2	1,459	–	–	–	–	–	–
Industrial truck and tractor equipment operators	25,344	15.4	1,964	–	–	–	–	–	–
Miscellaneous material moving equipment operators, n.e.c.	28,290	13.9	2,080	28,290	13.9	2,080	–	–	–
Handlers, equipment cleaners, helpers, and laborers									
Groundskeepers and gardeners, except farm	26,181	5.1	2,053	24,773	5.8	2,051	33,375	3.7	2,068
Supervisors, handlers, equipment cleaners, and laborers, n.e.c.	26,005	7.5	2,021	23,655	5.5	1,999	–	–	–
Helpers, construction trades ...	33,906	14.7	2,006	31,090	14.8	1,999	–	–	–
Production helpers	29,154	6.5	2,043	–	–	–	–	–	–
Stock handlers and baggers ...	19,188	7.6	2,039	19,188	7.6	2,039	–	–	–
Freight, stock, and material handlers, n.e.c.	30,200	8.5	2,068	30,206	8.6	2,069	–	–	–
Hand packers and packagers	26,626	7.6	2,080	26,626	7.6	2,080	–	–	–
Laborers, except construction, n.e.c.	24,098	14.0	2,080	24,098	14.0	2,080	–	–	–
Service									
Protective service	23,391	7.2	2,060	21,960	9.0	2,056	30,418	4.6	2,079
Supervisors, police and detectives	27,859	4.2	1,946	20,688	3.9	1,908	40,344	3.6	2,014
Supervisors, guards	41,367	5.7	2,067	22,699	9.8	2,055	49,049	3.5	2,071
Police and detectives, public service	64,726	7.6	2,075	–	–	–	64,726	7.6	2,075
Sheriffs, bailiffs, and other law enforcement officers	33,682	8.1	2,080	33,682	8.1	2,080	–	–	–
	48,707	5.2	2,044	–	–	–	48,707	5.2	2,044
	45,281	5.9	1,974	–	–	–	45,281	5.9	1,974

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, New York-Northern New Jersey-Long Island, NY-NJ-CT-PA, August 1998 — 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									
Protective service—Continued									
Correctional institution officers	\$43,233	3.2	2,069	—	—	—	\$43,233	3.2	2,069
Guards and police, except public service	21,474	10.2	2,046	\$21,191	10.8	2,054	26,801	2.6	1,895
Food service	18,884	5.7	1,956	18,704	6.3	1,999	20,055	9.9	1,672
Supervisors, food preparation and service	29,243	8.0	2,138	27,579	8.1	2,146	—	—	—
Waiters and waitresses	12,365	15.1	1,969	12,365	15.1	1,969	—	—	—
Cooks	22,067	6.4	1,951	21,712	6.9	1,952	28,193	5.1	1,938
Kitchen workers, food preparation	24,780	10.2	2,050	24,867	10.6	2,048	—	—	—
Food preparation, n.e.c.	16,521	8.0	1,884	16,230	9.3	1,980	17,335	4.1	1,613
Health service	19,464	4.7	1,936	17,950	4.6	1,923	27,878	2.3	2,010
Health aides, except nursing ..	24,757	3.6	1,985	23,296	4.9	1,961	28,153	2.2	2,041
Nursing aides, orderlies and attendants	18,591	5.0	1,928	17,233	4.6	1,917	27,774	3.1	1,999
Cleaning and building service	25,837	4.2	1,993	24,225	7.1	1,981	28,979	4.5	2,017
Supervisors, cleaning and building service workers ...	39,414	4.5	2,047	—	—	—	—	—	—
Maids and housemen	22,898	6.6	1,911	22,898	6.6	1,911	—	—	—
Janitors and cleaners	26,146	4.9	2,019	24,178	10.0	2,025	28,556	4.7	2,011
Personal service	22,705	8.9	1,585	23,608	10.7	1,565	19,076	5.6	1,666
Early childhood teachers' assistants	16,626	8.7	1,539	15,646	9.3	1,624	—	—	—
Child care workers, n.e.c.	16,801	4.8	1,924	17,085	5.0	2,005	—	—	—
Service, n.e.c.	17,953	22.9	1,670	17,449	24.9	1,645	—	—	—

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, New York-Northern New Jersey-Long Island, NY-NJ-CT-PA, August 1998

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	\$20.55	1.8	\$19.66	2.3	\$23.53	2.2
All excluding sales	20.78	1.8	19.89	2.3	23.57	2.2
White collar	24.64	1.9	24.07	2.3	26.59	3.0
1	7.39	4.8	7.55	4.6	5.34	4.4
2	10.63	6.7	10.53	7.2	11.94	12.7
3	11.14	1.9	10.93	1.9	13.22	7.2
4	13.33	2.7	13.22	3.0	14.27	5.0
5	15.81	2.0	15.91	2.3	15.51	3.6
6	17.02	2.7	17.52	2.4	15.22	5.3
7	20.86	3.6	20.65	2.1	21.67	14.8
8	25.57	4.8	23.30	2.2	33.22	12.6
9	30.68	2.4	27.97	2.5	34.23	4.1
10	30.24	3.2	31.51	3.5	27.32	5.4
11	34.45	3.7	35.21	4.3	30.98	4.3
12	42.47	3.4	42.43	3.8	42.68	6.9
13	51.82	4.5	52.14	5.0	49.33	3.8
14	59.79	4.7	61.14	5.1	51.10	2.5
Not able to be leveled	30.38	7.7	37.13	6.7	21.23	9.6
White collar excluding sales	25.43	1.8	25.02	2.2	26.67	3.0
1	7.76	7.3	8.08	7.3	5.34	4.4
2	11.72	6.3	11.70	6.9	11.94	12.7
3	11.56	1.9	11.44	2.0	12.62	6.6
4	13.88	2.7	13.82	3.0	14.27	5.0
5	15.62	1.8	15.67	2.1	15.51	3.6
6	16.79	2.6	17.27	2.3	15.22	5.3
7	21.00	3.6	20.74	2.1	22.03	15.1
8	25.64	5.4	22.96	2.4	33.22	12.6
9	30.74	2.4	28.01	2.5	34.23	4.1
10	30.09	3.2	31.42	3.5	27.32	5.4
11	34.49	3.9	35.29	4.5	30.98	4.3
12	42.04	2.9	41.95	3.2	42.68	6.9
13	51.82	4.5	52.14	5.0	49.33	3.8
14	59.79	4.7	61.14	5.1	51.10	2.5
Not able to be leveled	30.09	7.8	36.87	6.8	21.23	9.6
Professional specialty and technical	30.09	1.9	28.69	2.3	32.80	3.6
Professional specialty	31.86	1.8	30.38	2.0	34.26	3.3
5	15.50	6.3	16.25	6.5	11.46	7.5
6	19.90	13.1	19.89	14.5	-	-
7	23.42	9.0	21.97	3.5	26.23	21.8
8	30.15	7.7	24.03	2.9	41.35	6.5
9	32.10	3.2	27.49	4.1	35.30	4.4
10	28.62	4.0	28.58	3.0	28.69	9.9
11	30.52	2.3	30.66	2.5	29.80	5.9
12	39.49	3.6	39.06	4.1	42.01	6.2
13	47.93	3.9	47.51	4.7	49.56	3.9
14	55.60	4.9	56.41	5.6	51.27	6.7
Not able to be leveled	33.90	6.6	38.03	8.4	28.33	3.2
Engineers, architects, and surveyors	29.45	3.7	30.53	3.9	24.90	4.9
7	20.54	3.9	20.54	3.9	-	-
9	25.21	4.1	27.56	4.2	23.31	3.3
10	27.34	8.8	31.46	6.7	-	-
11	27.74	4.6	27.74	4.6	-	-
12	34.04	4.5	33.84	4.8	-	-
13	43.38	3.0	43.38	3.0	-	-
14	51.00	1.5	51.00	1.5	-	-
Civil engineers	26.65	7.7	-	-	-	-
Electrical and electronic engineers	29.87	5.5	29.87	5.5	-	-
Industrial engineers	30.68	16.7	30.68	16.7	-	-
Mechanical engineers	27.99	5.7	28.70	6.5	-	-
Engineers, n.e.c.	31.67	5.4	32.84	4.6	-	-
11	26.90	9.2	26.90	9.2	-	-
12	36.46	2.2	36.46	2.2	-	-
Mathematical and computer scientists	33.05	5.0	33.07	5.1	-	-

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, New York-Northern New Jersey-Long Island, NY-NJ-CT-PA, August 1998 — Continued

Occupation and level	Total		Private industry		State and local government	
	Mean	Relative error ⁵ (percent)	Mean	Relative error ⁵ (percent)	Mean	Relative error ⁵ (percent)
White collar —Continued						
Professional specialty and technical —Continued						
Professional specialty —Continued						
Mathematical and computer scientists —Continued						
7	\$21.47	3.2	\$21.47	3.2	—	—
8	23.08	6.1	23.08	6.1	—	—
9	36.53	18.8	36.58	19.2	—	—
10	28.45	3.8	28.45	3.8	—	—
11	31.35	3.5	31.38	3.5	—	—
12	37.12	4.9	37.06	5.0	—	—
13	42.79	7.4	42.79	7.4	—	—
14	52.98	6.9	52.98	6.9	—	—
Computer systems analysts and scientists	32.01	4.0	32.03	4.1	—	—
7	21.03	3.7	21.03	3.7	—	—
8	21.47	1.1	21.47	1.1	—	—
9	28.61	4.1	28.44	4.2	—	—
10	28.45	3.8	28.45	3.8	—	—
11	30.63	3.2	30.67	3.2	—	—
12	37.12	4.9	37.06	5.0	—	—
13	42.79	7.4	42.79	7.4	—	—
14	52.98	6.9	52.98	6.9	—	—
Operations and systems researchers and analysts	44.36	21.8	44.36	21.8	—	—
Natural scientists	31.69	5.3	32.00	5.5	—	—
9	26.63	5.8	26.58	6.1	—	—
12	35.36	3.3	35.36	3.3	—	—
Chemists, except biochemists	30.75	6.8	30.75	6.8	—	—
Medical scientists	36.19	1.6	36.61	1.4	—	—
Health related	27.49	2.2	28.42	2.5	\$23.27	3.9
5	22.81	7.7	22.81	7.7	—	—
7	24.39	5.9	24.75	6.3	20.95	8.1
8	25.58	3.0	25.57	3.4	25.69	1.7
9	25.17	2.3	25.92	2.5	22.22	4.7
10	24.24	8.0	27.79	7.0	15.56	16.3
11	28.53	5.2	28.80	5.4	26.67	16.5
12	41.34	12.7	41.57	13.5	—	—
13	55.77	4.0	57.38	4.2	—	—
14	51.81	7.9	—	—	—	—
Not able to be leveled	33.43	18.6	48.92	15.7	—	—
Physicians	31.39	7.4	35.93	8.1	20.12	11.7
9	18.25	11.4	20.21	11.4	—	—
10	16.32	10.5	19.98	6.3	—	—
11	26.82	12.6	28.93	12.4	—	—
12	49.40	17.8	49.40	17.8	—	—
13	55.46	4.1	57.38	4.2	—	—
14	51.81	7.9	—	—	—	—
Not able to be leveled	34.87	19.9	55.99	14.2	—	—
Registered nurses	26.96	1.7	27.27	1.9	25.09	3.8
7	26.86	6.4	27.54	6.9	21.62	9.8
8	26.39	3.2	26.37	3.6	—	—
9	26.12	2.4	26.68	2.6	23.68	4.8
10	33.30	3.0	33.30	3.0	—	—
11	28.67	5.9	28.05	6.6	33.24	3.6
Pharmacists	28.46	6.7	30.42	4.4	—	—
9	28.99	2.6	—	—	—	—
Dietitians	17.66	3.7	17.38	4.2	—	—
7	16.51	4.1	—	—	—	—
Respiratory therapists	21.57	2.3	21.58	2.4	—	—
8	21.01	3.5	—	—	—	—
Teachers, college and university	45.80	4.3	43.36	6.9	49.15	4.4
9	26.35	5.4	—	—	—	—
10	37.88	16.5	—	—	—	—
11	35.75	7.2	35.97	7.4	—	—

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, New York-Northern New Jersey-Long Island, NY-NJ-CT-PA, August 1998 — Continued

Occupation and level	Total		Private industry		State and local government	
	Mean	Relative error ⁵ (percent)	Mean	Relative error ⁵ (percent)	Mean	Relative error ⁵ (percent)
White collar —Continued						
Professional specialty and technical —Continued						
Professional specialty —Continued						
Teachers, college and university —Continued						
12	\$45.83	8.6	\$49.68	9.8	\$40.58	13.0
13	49.98	4.0	—	—	49.47	4.4
14	63.99	11.8	—	—	—	—
Not able to be leveled	43.14	6.8	41.25	10.8	—	—
Medical science teachers	79.06	19.6	—	—	—	—
English teachers	54.64	5.6	—	—	—	—
Teachers, post secondary, n.e.c.	33.49	10.9	—	—	—	—
Teachers, post secondary, subject not specified ..	43.64	11.2	52.11	16.4	36.98	11.4
12	32.53	10.7	—	—	—	—
Teachers, except college and university	35.93	3.9	21.75	4.7	38.48	4.1
5	12.44	4.4	12.59	6.8	12.21	3.2
6	13.74	4.1	13.30	3.4	—	—
7	25.51	19.7	20.33	4.6	27.52	24.6
8	38.42	9.6	24.28	10.6	42.88	6.4
9	39.39	3.4	25.91	7.3	40.17	3.5
10	36.08	5.7	—	—	37.59	5.5
Prekindergarten and kindergarten	30.45	29.5	15.38	10.7	—	—
Elementary school teachers	39.11	4.3	24.80	5.7	42.01	4.4
7	30.91	24.4	21.08	3.5	—	—
8	39.48	7.7	31.09	10.2	—	—
9	40.95	5.2	—	—	41.40	5.4
Secondary school teachers	42.59	6.3	30.52	13.3	43.36	6.5
8	47.91	6.1	—	—	49.04	6.4
9	40.18	8.3	—	—	40.98	8.5
Teachers, special education	36.84	4.7	21.87	9.0	38.95	3.6
9	36.84	3.6	—	—	37.74	3.2
Teachers, n.e.c.	32.54	7.8	20.81	11.0	34.18	8.4
6	13.46	3.2	13.46	3.2	—	—
7	23.94	4.5	—	—	—	—
9	39.41	2.4	—	—	—	—
Substitute teachers	11.01	3.4	—	—	11.25	3.4
Vocational and educational counselors	31.49	16.7	19.13	12.2	37.18	11.7
Librarians, archivists, and curators	29.16	9.6	26.93	9.4	36.83	17.2
9	31.36	15.9	—	—	39.56	18.2
11	30.07	14.2	30.07	14.2	—	—
Librarians	27.75	10.4	24.54	7.8	36.83	17.2
9	31.36	15.9	—	—	39.56	18.2
11	30.07	14.2	30.07	14.2	—	—
Social scientists and urban planners	29.87	10.2	25.19	10.3	36.62	10.5
9	35.82	16.5	—	—	—	—
10	34.48	9.9	—	—	—	—
11	30.04	7.3	—	—	—	—
Economists	26.76	11.7	26.76	11.7	—	—
Psychologists	32.88	13.2	21.65	11.7	37.48	9.7
9	37.54	15.3	—	—	—	—
Social, recreation, and religious workers	20.93	5.2	20.33	5.7	21.27	7.8
7	16.45	7.3	—	—	—	—
8	18.08	9.1	—	—	21.58	8.5
9	20.71	6.9	23.10	4.0	19.98	7.6
11	27.98	5.4	25.41	5.2	—	—
Social workers	21.46	5.7	20.88	5.6	21.76	8.3
7	16.50	7.4	—	—	—	—
8	19.14	11.9	—	—	22.42	7.5
9	20.52	6.7	22.47	3.5	19.98	7.6
11	27.98	5.4	25.41	5.2	—	—
Recreation workers	13.72	7.3	—	—	—	—
Lawyers and judges	39.31	10.5	47.79	10.0	31.83	8.5
12	48.24	15.8	49.36	23.2	—	—
Lawyers	39.31	10.5	47.79	10.0	31.83	8.5

See footnotes at end of table.

Table 4-1. Selected occupations¹ and levels,² all workers:³ Mean hourly earnings,⁴ private industry and State and local government, National Compensation Survey, New York-Northern New Jersey-Long Island, NY-NJ-CT-PA, August 1998 — Continued

Occupation and level	Total		Private industry		State and local government	
	Mean	Relative error ⁵ (percent)	Mean	Relative error ⁵ (percent)	Mean	Relative error ⁵ (percent)
White collar —Continued						
Professional specialty and technical —Continued						
Professional specialty —Continued						
Lawyers and judges —Continued						
Lawyers —Continued						
12	\$48.24	15.8	\$49.36	23.2	—	—
Writers, authors, entertainers, athletes, and professionals, n.e.c.						
5	30.48	5.8	31.01	5.9	\$20.15	8.0
7	15.51	5.0	15.51	5.0	—	—
8	20.91	8.8	20.91	8.8	—	—
9	22.24	3.7	22.24	3.7	—	—
11	29.72	9.4	31.19	9.4	—	—
12	33.01	6.5	33.58	6.6	—	—
Not able to be leveled	39.37	8.6	39.37	8.6	—	—
Designers	32.69	17.0	33.98	17.4	—	—
Painters, sculptors, craft artists, and artist printmakers	27.66	7.6	27.66	7.6	—	—
Not able to be leveled	17.37	22.4	—	—	—	—
Editors and reporters	17.37	22.4	—	—	—	—
7	33.24	14.8	33.24	14.8	—	—
9	19.06	8.4	19.06	8.4	—	—
Public relations specialists	33.31	13.7	33.31	13.7	—	—
Athletes	21.65	11.7	—	—	—	—
Not able to be leveled	17.22	10.9	17.95	14.6	—	—
Professional, n.e.c.	17.22	10.9	17.95	14.6	—	—
9	31.93	6.2	32.06	6.2	—	—
11	32.07	14.9	32.07	14.9	—	—
12	31.16	10.3	32.13	11.0	—	—
Not able to be leveled	35.62	2.3	35.62	2.3	—	—
Technical	32.35	23.9	32.35	23.9	—	—
3	22.23	7.2	23.13	8.0	17.60	6.7
4	12.28	10.7	12.22	10.8	—	—
5	14.55	3.4	14.65	3.4	—	—
6	16.05	2.9	16.04	3.6	16.09	4.4
7	16.06	3.6	16.37	3.9	15.33	4.9
8	20.11	7.7	20.56	9.0	17.95	3.3
9	21.34	4.6	21.30	4.7	—	—
10	27.40	8.5	28.13	10.4	—	—
11	39.74	19.0	39.74	19.0	—	—
Not able to be leveled	66.78	29.9	70.23	30.2	—	—
Clinical laboratory technologists and technicians	17.97	9.3	17.70	10.9	—	—
7	18.53	4.9	18.09	5.5	21.69	10.4
8	18.06	7.0	18.50	10.0	—	—
9	19.88	10.7	—	—	—	—
11	22.42	3.6	22.30	3.7	—	—
Radiologic technicians	25.14	4.9	—	—	—	—
6	22.81	3.1	22.55	3.1	—	—
Licensed practical nurses	21.56	3.1	21.56	3.1	—	—
5	16.51	1.9	16.63	2.3	15.99	2.4
6	16.46	2.6	17.37	2.1	15.43	3.9
7	16.32	4.7	16.44	5.3	—	—
Health technologists and technicians, n.e.c.	16.79	2.3	16.69	2.8	—	—
4	15.79	2.8	15.10	2.7	16.79	8.6
5	14.73	4.5	14.93	4.4	—	—
6	14.82	5.8	14.05	5.3	—	—
Electrical and electronic technicians	14.61	2.7	13.11	3.4	15.32	5.2
8	20.77	6.5	20.77	6.5	—	—
Engineering technicians, n.e.c.	22.81	7.2	22.81	7.2	—	—
Drafters	18.11	9.8	18.11	9.8	—	—
Broadcast equipment operators	16.52	2.9	16.52	2.9	—	—
Computer programmers	34.49	4.3	34.49	4.3	—	—
9	24.32	6.0	24.98	6.2	—	—
	28.02	4.4	28.44	4.1	—	—

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, New York-Northern New Jersey-Long Island, NY-NJ-CT-PA, August 1998 — Continued

Occupation and level	Total		Private industry		State and local government	
	Mean	Relative error ⁵ (percent)	Mean	Relative error ⁵ (percent)	Mean	Relative error ⁵ (percent)
White collar —Continued						
Professional specialty and technical —Continued						
Technical —Continued						
Legal assistants	\$20.05	7.0	—	—	—	—
Technical and related, n.e.c.	22.18	7.1	\$22.48	7.3	—	—
8	24.54	14.1	—	—	—	—
Executive, administrative, and managerial						
5	17.24	4.3	16.66	4.8	—	—
6	15.55	7.7	17.28	3.8	—	—
7	19.78	3.5	20.41	3.7	17.01	4.0
8	22.09	4.2	22.78	4.7	20.21	5.1
9	28.16	2.8	28.56	3.0	25.58	6.8
10	30.01	3.8	32.20	3.4	25.97	1.8
11	35.29	4.1	36.27	4.5	31.95	6.7
12	43.61	3.6	43.68	3.8	43.13	10.5
13	56.46	7.2	56.60	7.3	—	—
14	61.59	6.1	63.09	6.5	—	—
Not able to be leveled	42.33	7.9	45.43	7.5	29.46	7.6
Executives, administrators, and managers						
7	21.42	7.8	21.99	7.8	—	—
8	24.00	8.3	24.22	8.6	—	—
9	29.90	3.7	29.83	3.8	30.63	13.3
10	31.09	6.0	31.16	6.1	—	—
11	35.06	3.5	35.45	3.5	33.66	9.5
12	42.77	3.2	42.63	3.3	43.56	10.6
13	56.23	7.7	56.37	7.8	—	—
14	64.80	6.2	67.09	6.5	—	—
Not able to be leveled	43.99	8.9	46.24	8.6	—	—
Administrators and officials, public administration						
Financial managers	43.26	6.8	44.76	6.7	—	—
9	33.77	12.6	35.76	10.4	—	—
11	35.27	9.8	37.66	9.3	—	—
12	43.14	9.3	43.14	9.3	—	—
14	71.86	18.9	77.24	20.6	—	—
Personnel and labor relations managers	38.07	8.4	38.07	8.4	—	—
Managers, marketing, advertising, and public relations						
9	45.95	6.9	45.95	6.9	—	—
11	28.00	6.6	28.00	6.6	—	—
12	45.84	12.4	45.84	12.4	—	—
12	48.93	6.7	48.93	6.7	—	—
Administrators, education and related fields						
11	38.84	11.6	25.29	12.7	47.87	6.8
12	43.02	11.0	—	—	—	—
12	45.52	10.2	—	—	47.75	9.1
Managers, medicine and health						
8	38.20	8.6	41.43	7.8	26.10	5.0
9	20.00	7.7	—	—	—	—
9	28.77	5.0	29.39	5.5	—	—
11	28.05	8.5	—	—	—	—
12	41.67	13.5	42.43	15.4	36.94	9.1
13	52.61	8.3	52.99	8.4	—	—
Managers, service organizations, n.e.c.						
9	42.44	10.9	43.51	11.0	—	—
12	36.09	10.1	37.24	10.5	—	—
12	43.11	14.3	43.11	14.3	—	—
Managers and administrators, n.e.c.						
7	38.18	3.2	38.31	3.2	36.25	13.9
8	23.24	8.0	23.35	8.1	—	—
8	23.21	14.9	23.21	14.9	—	—
9	27.99	3.8	27.96	3.9	—	—
10	30.63	13.7	30.63	13.7	—	—
11	33.76	3.7	33.75	3.8	—	—
12	40.47	3.4	41.07	3.4	—	—
13	56.93	13.6	56.93	13.6	—	—
14	63.77	7.9	66.50	8.0	—	—
Not able to be leveled	39.67	9.6	41.74	9.4	—	—

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, New York-Northern New Jersey-Long Island, NY-NJ-CT-PA, August 1998 — 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						
Management related	\$27.11	5.9	\$29.38	6.7	\$21.57	7.1
5	17.19	4.3	16.58	4.9	—	—
6	15.61	8.0	17.45	3.9	—	—
7	19.07	2.7	19.61	2.7	17.26	4.1
8	21.27	4.3	21.84	5.1	20.29	5.5
9	26.10	2.7	26.83	2.9	22.97	4.9
10	29.48	4.5	33.22	3.2	—	—
11	35.88	10.9	38.49	12.2	28.23	2.2
12	47.75	10.7	48.19	10.6	—	—
13	58.78	18.0	58.78	18.0	—	—
Not able to be leveled	37.57	16.9	42.55	17.8	—	—
Accountants and auditors	25.33	3.3	25.60	3.5	—	—
5	17.02	5.6	17.02	5.6	—	—
7	19.90	3.0	19.90	3.0	—	—
8	20.72	7.6	20.84	10.4	—	—
9	24.73	3.7	25.13	4.0	—	—
10	28.73	4.9	—	—	—	—
11	28.47	7.7	28.43	9.0	—	—
Other financial officers	36.43	16.6	38.65	17.2	—	—
8	19.37	7.6	19.37	7.6	—	—
9	23.75	5.3	23.75	5.3	—	—
11	47.39	12.7	47.39	12.7	—	—
Management analysts	32.29	7.5	33.20	7.9	—	—
Personnel, training, and labor relations specialists	24.35	8.7	27.55	7.5	18.65	6.8
8	22.11	11.6	—	—	—	—
9	27.77	9.9	28.83	9.2	—	—
Purchasing agents and buyers, n.e.c.	27.20	11.4	27.35	11.6	—	—
Construction inspectors	24.69	9.9	—	—	—	—
Inspectors and compliance officers, except construction	19.94	12.2	29.06	6.8	18.58	12.7
9	25.18	6.9	—	—	—	—
Management related, n.e.c.	24.71	5.1	24.91	6.8	24.20	4.3
6	17.75	4.5	17.86	4.6	—	—
7	20.23	5.7	21.13	5.7	—	—
8	21.91	3.8	21.18	3.1	—	—
9	25.33	4.3	26.71	3.8	—	—
Not able to be leveled	33.67	18.8	38.49	23.2	—	—
Sales	16.47	8.1	16.48	8.3	—	—
1	6.75	2.3	6.75	2.3	—	—
2	7.30	7.4	7.30	7.4	—	—
3	9.79	5.6	9.41	4.4	—	—
4	9.98	5.1	9.98	5.1	—	—
5	17.33	9.7	17.33	9.7	—	—
6	20.04	10.1	20.04	10.1	—	—
7	16.20	4.8	17.04	5.1	—	—
8	25.08	5.9	25.08	5.9	—	—
9	26.15	8.2	26.15	8.2	—	—
10	32.41	13.7	32.41	13.7	—	—
11	33.65	5.6	33.65	5.6	—	—
Not able to be leveled	44.33	28.2	44.33	28.2	—	—
Supervisors, sales	23.28	7.7	23.28	7.7	—	—
8	24.47	11.3	24.47	11.3	—	—
Advertising and related sales	21.78	3.4	21.78	3.4	—	—
Sales, other business services	24.18	10.3	24.18	10.3	—	—
5	18.63	14.6	18.63	14.6	—	—
8	32.52	8.8	32.52	8.8	—	—
Sales representatives, mining, manufacturing, and wholesale	28.36	11.0	28.36	11.0	—	—
Sales workers, apparel	8.74	11.3	8.74	11.3	—	—

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, New York-Northern New Jersey-Long Island, NY-NJ-CT-PA, August 1998 — 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						
Sales —Continued						
Sales workers, apparel —Continued						
3	\$9.39	10.7	\$9.39	10.7	—	—
Sales workers, radio, tv, hi-fi, and appliances	13.12	20.2	13.12	20.2	—	—
Sales workers, other commodities	8.71	4.0	8.71	4.0	—	—
2	6.86	5.8	6.86	5.8	—	—
3	9.15	8.4	9.15	8.4	—	—
4	9.08	5.6	9.08	5.6	—	—
Cashiers	8.92	6.8	8.53	5.8	—	—
2	7.97	15.7	7.97	15.7	—	—
3	10.49	8.7	9.71	6.5	—	—
Sales support, n.e.c.	15.40	16.5	15.40	16.5	—	—
Administrative support, including clerical						
1	14.74	1.6	14.72	1.9	\$14.80	2.7
2	7.76	7.3	8.08	7.3	5.34	4.4
3	11.72	6.3	11.70	6.9	11.94	12.7
4	11.54	1.9	11.41	2.0	12.60	6.6
5	13.85	2.8	13.79	3.2	14.29	5.2
6	15.49	2.2	15.47	2.6	15.53	4.1
7	17.24	2.1	17.30	2.4	16.84	3.4
8	19.95	2.7	20.24	2.9	17.57	4.6
9	22.38	7.1	23.14	7.7	—	—
Not able to be leveled	28.27	4.9	28.49	5.6	—	—
Supervisors, general office	15.07	3.9	15.77	8.9	14.76	3.8
5	20.55	5.1	21.08	5.9	18.79	5.9
6	17.96	9.7	18.15	13.3	—	—
7	17.26	7.9	—	—	—	—
8	18.98	5.6	—	—	—	—
9	21.41	3.8	—	—	—	—
Supervisors, financial records processing	27.76	6.8	27.84	7.5	—	—
7	20.30	6.1	20.49	6.5	—	—
8	17.92	5.9	17.92	5.9	—	—
Supervisors, distribution, scheduling, and adjusting clerks	20.32	6.3	—	—	—	—
Computer operators	22.65	11.6	22.65	11.6	—	—
Secretaries	15.76	5.8	15.37	5.6	—	—
3	16.22	2.2	16.23	2.2	16.18	6.9
4	12.85	4.6	12.76	4.9	—	—
5	14.68	2.7	14.41	2.8	16.55	6.2
6	15.92	4.2	15.26	2.6	18.47	7.3
7	16.90	2.7	16.78	3.1	17.50	1.9
Stenographers	21.01	4.5	21.00	4.6	—	—
Typists	16.65	5.5	—	—	16.92	6.8
3	13.53	4.1	14.06	7.3	13.15	4.0
4	13.82	4.4	—	—	13.59	7.3
5	12.61	3.7	12.68	8.9	—	—
Interviewers	14.71	10.7	—	—	—	—
4	12.53	7.2	12.16	8.3	—	—
Hotel clerks	11.55	13.4	—	—	—	—
3	9.93	9.7	9.93	9.7	—	—
Transportation ticket and reservation agents	10.07	10.1	10.07	10.1	—	—
Receptionists	13.55	10.9	13.55	10.9	—	—
2	11.30	4.1	11.30	4.1	—	—
3	10.23	6.2	10.23	6.2	—	—
4	11.32	4.1	11.32	4.1	—	—
Order clerks	11.76	8.4	11.76	8.4	—	—
5	18.17	6.3	18.17	6.3	—	—
Personnel clerks, except payroll and timekeeping	19.52	6.4	19.52	6.4	—	—
Library clerks	13.77	8.0	—	—	—	—
2	11.98	5.2	12.80	8.0	10.45	3.7
3	7.74	2.2	—	—	7.74	2.2
	11.47	5.9	—	—	—	—

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, New York-Northern New Jersey-Long Island, NY-NJ-CT-PA, August 1998 — 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						
Administrative support, including clerical —Continued						
Library clerks —Continued						
4	\$13.67	8.7	\$13.60	9.1	—	—
File clerks	11.61	5.2	11.61	5.2	—	—
2	11.02	4.2	11.02	4.2	—	—
Records clerks, n.e.c.	14.67	4.8	14.97	5.0	—	—
4	13.97	5.6	13.98	5.8	—	—
Bookkeepers, accounting and auditing clerks	14.67	2.9	14.44	3.0	\$17.14	7.2
3	11.55	5.6	11.55	5.6	—	—
4	12.53	4.2	12.53	4.2	—	—
5	15.23	3.7	14.55	2.2	—	—
6	17.45	5.7	17.44	5.7	—	—
7	17.79	5.3	18.33	5.7	—	—
Payroll and timekeeping clerks	15.11	9.5	15.11	9.5	—	—
Billing clerks	12.46	4.3	12.46	4.3	—	—
4	12.00	3.9	12.00	3.9	—	—
Telephone operators	14.95	4.9	15.10	4.7	—	—
2	15.88	3.8	—	—	—	—
3	12.12	7.8	12.12	7.8	—	—
Mail clerks, except postal service	12.18	13.1	12.18	13.1	—	—
3	16.54	20.4	16.54	20.4	—	—
Messengers	9.39	17.2	9.02	17.8	—	—
Dispatchers	14.97	5.1	14.81	6.3	—	—
Traffic, shipping and receiving clerks	12.59	3.6	12.43	4.0	—	—
3	11.27	4.6	11.28	4.6	—	—
4	11.91	5.1	11.91	5.1	—	—
5	14.54	4.2	—	—	—	—
Stock and inventory clerks	12.36	11.6	12.36	11.6	—	—
3	10.91	8.6	10.91	8.6	—	—
4	14.43	3.5	14.43	3.5	—	—
5	14.97	6.9	14.97	6.9	—	—
Material recording, scheduling, and distribution clerks, n.e.c.	12.20	14.1	12.20	14.1	—	—
Insurance adjusters, examiners, and investigators	18.55	15.2	18.55	15.2	—	—
7	20.83	7.1	20.83	7.1	—	—
Investigators and adjusters, except insurance	16.86	7.1	16.90	7.5	—	—
Eligibility clerks, social welfare	14.61	4.9	—	—	15.01	4.3
Bill and account collectors	17.02	5.8	17.02	5.8	—	—
General office clerks	13.44	4.3	13.43	4.3	13.47	10.2
1	6.15	14.1	—	—	—	—
2	9.43	8.2	9.37	8.7	—	—
3	11.65	4.5	12.02	4.9	10.57	4.2
4	13.97	5.7	14.02	6.2	13.59	4.3
5	15.13	6.3	14.97	7.6	15.22	8.7
6	18.42	6.6	—	—	—	—
Not able to be leveled	15.28	7.9	—	—	—	—
Bank tellers	10.52	3.2	10.52	3.2	—	—
3	9.94	3.1	9.94	3.1	—	—
4	11.39	4.0	11.39	4.0	—	—
Data entry keyers	11.34	4.4	10.97	4.6	—	—
2	10.80	7.2	10.14	4.9	—	—
3	10.30	5.0	10.30	5.0	—	—
4	13.35	10.2	13.58	11.1	—	—
Statistical clerks	12.44	8.6	12.33	8.7	—	—
4	12.03	10.8	12.03	10.8	—	—
Teachers' aides	12.78	9.0	—	—	14.05	6.2
4	10.22	8.0	—	—	11.37	8.5
Administrative support, n.e.c.	15.06	5.3	15.54	6.2	13.53	5.0
3	11.61	5.9	11.20	3.9	—	—
4	13.25	3.7	13.18	3.8	—	—
5	13.40	5.6	14.37	3.0	—	—

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, New York-Northern New Jersey-Long Island, NY-NJ-CT-PA, August 1998 — 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						
Administrative support, including clerical —Continued						
Administrative support, n.e.c. —Continued						
6	\$16.44	6.9	\$16.88	7.2	—	—
7	21.19	6.3	21.19	6.3	—	—
Not able to be leveled	16.06	9.1	—	—	—	—
Blue collar	14.70	2.7	14.21	3.0	\$18.07	5.5
1	8.63	5.7	8.14	5.3	13.64	8.5
2	9.32	5.1	9.08	5.2	14.71	7.7
3	12.28	5.6	11.93	6.2	14.28	15.6
4	13.16	5.4	12.62	5.6	17.05	3.0
5	15.83	3.3	15.74	3.7	16.41	4.4
6	16.78	5.2	16.58	5.7	18.72	7.7
7	21.66	2.3	21.69	2.6	21.55	5.0
8	22.48	3.2	22.26	3.7	23.27	5.9
9	27.06	5.5	26.44	5.6	—	—
Not able to be leveled	18.29	15.6	18.29	15.6	—	—
Precision production, craft, and repair	20.87	2.5	20.76	2.9	21.44	4.8
3	10.50	5.3	10.50	5.3	—	—
4	15.51	7.5	14.85	9.7	—	—
5	16.82	5.0	16.87	5.3	—	—
6	17.39	8.3	17.08	10.0	18.75	7.7
7	22.41	2.3	22.59	2.5	21.69	6.2
8	22.78	3.5	22.62	4.3	23.27	5.9
9	27.21	5.7	26.57	5.8	—	—
Not able to be leveled	22.98	12.4	22.98	12.4	—	—
Supervisors, mechanics and repairers	26.20	5.1	28.01	2.2	—	—
Automobile mechanics	22.42	4.7	—	—	22.93	4.3
7	22.59	4.6	—	—	—	—
Industrial machinery repairers	18.19	4.6	18.19	4.6	—	—
7	18.16	4.8	18.16	4.8	—	—
Electronic repairers, communications and industrial equipment	22.25	6.0	22.25	6.0	—	—
Heating, air conditioning, and refrigeration mechanics	21.23	7.4	—	—	—	—
Mechanics and repairers, n.e.c.	19.18	4.1	19.20	5.4	19.13	4.5
5	18.64	8.2	—	—	—	—
7	18.79	5.3	—	—	—	—
Supervisors, electricians and power transmission installers	31.12	10.4	30.02	11.7	—	—
Carpenters	21.56	11.0	20.77	12.3	—	—
7	21.80	6.8	—	—	—	—
Electricians	23.49	7.9	24.47	7.9	—	—
7	24.19	8.6	25.08	8.3	—	—
Painters, construction and maintenance	23.06	6.9	24.22	4.7	—	—
Plumbers, pipefitters and steamfitters	21.33	5.1	—	—	—	—
Construction trades, n.e.c.	18.82	14.7	18.82	14.7	—	—
Supervisors, production	22.05	6.7	22.05	6.7	—	—
7	22.71	10.6	22.71	10.6	—	—
Machinists	17.40	9.6	16.07	8.4	—	—
Electrical and electronic equipment assemblers ..	10.88	9.1	10.88	9.1	—	—
Miscellaneous precision workers, n.e.c.	22.62	11.2	22.62	11.2	—	—
Stationary engineers	21.71	6.7	21.95	7.4	—	—
7	23.33	6.4	23.33	6.4	—	—
Machine operators, assemblers, and inspectors	10.85	4.0	10.79	4.0	16.28	12.2
1	7.99	5.7	7.94	5.7	—	—
2	8.52	5.2	8.52	5.2	—	—
3	10.28	7.7	10.28	7.7	—	—
4	10.56	8.2	10.55	8.3	—	—
5	13.93	5.7	13.91	5.9	—	—

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, New York-Northern New Jersey-Long Island, NY-NJ-CT-PA, August 1998 — 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						
6	\$14.26	6.4	\$14.26	6.4	—	—
7	17.23	7.9	16.98	8.2	—	—
Punching and stamping press operators	9.04	8.6	9.04	8.6	—	—
Grinding, abrading, buffing, and polishing machine operators	11.79	9.8	11.79	9.8	—	—
Numerical control machine operators	11.72	7.3	11.72	7.3	—	—
Fabricating machine operators, n.e.c.	13.24	15.5	13.24	15.5	—	—
Textile sewing machine operators	7.34	6.0	7.34	6.0	—	—
2	7.24	6.1	7.24	6.1	—	—
Laundry and dry cleaning machine operators	10.79	7.0	10.66	7.5	—	—
1	10.05	10.8	—	—	—	—
Packaging and filling machine operators	9.97	14.5	9.97	14.5	—	—
Mixing and blending machine operators	12.70	7.0	12.70	7.0	—	—
Photographic process machine operators	11.07	3.0	11.07	3.0	—	—
Miscellaneous machine operators, n.e.c.	12.96	6.4	12.96	6.4	—	—
2	9.11	7.9	9.11	7.9	—	—
4	12.76	10.0	12.76	10.0	—	—
5	16.09	7.1	16.09	7.1	—	—
Assemblers	8.52	6.9	8.52	6.9	—	—
2	7.17	7.8	7.17	7.8	—	—
Production inspectors, checkers and examiners ..	11.16	6.5	11.16	6.5	—	—
Transportation and material moving	15.18	4.3	14.83	4.6	\$16.32	11.1
3	14.01	10.5	13.78	11.9	—	—
4	14.75	4.9	14.66	5.2	15.82	11.5
5	16.31	4.2	16.23	5.5	—	—
7	21.03	6.2	—	—	—	—
Truck drivers	15.48	3.8	15.07	3.7	—	—
3	15.87	11.9	13.98	14.7	—	—
4	15.10	3.3	15.13	3.3	—	—
5	16.15	7.0	16.15	7.0	—	—
Driver-sales workers	18.83	3.1	18.83	3.1	—	—
Bus drivers	13.25	9.2	11.26	4.3	16.86	3.5
Motor transportation, n.e.c.	12.90	14.6	—	—	—	—
Industrial truck and tractor equipment operators ..	13.60	13.9	13.60	13.9	—	—
Miscellaneous material moving equipment operators, n.e.c.	17.70	9.7	—	—	—	—
Handlers, equipment cleaners, helpers, and laborers	12.11	5.1	11.47	5.6	15.76	4.3
1	8.97	7.7	8.25	7.5	13.84	8.7
2	10.17	7.2	9.99	7.9	—	—
3	13.59	8.8	13.52	9.8	—	—
4	14.77	6.6	13.48	6.8	17.28	2.2
5	17.06	8.0	17.13	9.3	—	—
7	18.16	5.7	17.45	5.7	—	—
Groundskeepers and gardeners, except farm	12.08	8.2	11.84	5.1	—	—
Supervisors, handlers, equipment cleaners, and laborers, n.e.c.	16.90	12.3	15.55	11.9	—	—
Helpers, construction trades	14.27	7.5	—	—	—	—
Production helpers	9.27	7.6	9.27	7.6	—	—
Stock handlers and baggers	12.12	10.2	12.11	10.2	—	—
1	10.50	18.4	10.50	18.4	—	—
2	9.21	8.8	9.21	8.8	—	—
3	16.25	13.6	16.25	13.6	—	—
Freight, stock, and material handlers, n.e.c.	11.96	7.0	11.96	7.0	—	—
1	9.33	9.6	9.33	9.6	—	—
2	7.83	6.9	7.83	6.9	—	—
3	13.83	9.0	13.83	9.0	—	—
4	16.20	10.0	16.20	10.0	—	—

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, New York-Northern New Jersey-Long Island, NY-NJ-CT-PA, August 1998 — 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						
Handlers, equipment cleaners, helpers, and laborers —Continued						
Hand packers and packagers	\$10.99	13.3	\$10.99	13.3	—	—
2	8.86	6.1	8.86	6.1	—	—
Laborers, except construction, n.e.c.	11.27	7.1	10.65	8.9	\$14.17	6.5
1	9.26	13.1	7.05	8.3	—	—
2	11.95	11.3	11.84	12.7	—	—
Service	13.21	3.8	10.15	3.6	19.04	3.8
1	9.94	7.9	9.69	8.9	12.20	7.2
2	8.00	3.3	7.66	3.4	9.86	1.8
3	9.59	3.7	8.72	3.5	12.93	4.1
4	10.98	4.1	10.58	4.7	12.60	4.6
5	16.82	10.2	17.69	13.9	14.99	5.5
6	18.32	4.2	15.14	7.1	19.64	2.6
7	22.86	5.6	21.57	19.6	23.17	5.4
8	20.76	4.3	—	—	20.85	4.7
9	27.23	7.2	—	—	27.23	7.2
10	28.30	6.1	—	—	27.83	6.0
Not able to be leveled	21.63	20.7	—	—	—	—
Protective service	19.22	6.0	10.63	8.7	23.28	3.6
2	9.18	7.2	8.39	7.0	—	—
3	8.98	7.4	8.44	6.8	13.53	7.5
4	12.39	6.0	12.18	7.6	—	—
5	15.16	10.0	—	—	18.59	7.8
6	19.57	2.5	—	—	19.88	2.6
7	23.81	5.6	—	—	24.56	6.0
8	20.84	4.4	—	—	20.86	4.7
9	27.23	7.2	—	—	27.23	7.2
10	27.83	6.0	—	—	27.83	6.0
Supervisors, police and detectives	31.19	7.7	—	—	31.19	7.7
10	29.78	8.2	—	—	29.78	8.2
Supervisors, guards	16.19	8.1	16.19	8.1	—	—
Police and detectives, public service	23.84	5.7	—	—	23.84	5.7
7	28.81	5.4	—	—	28.81	5.4
9	25.67	6.6	—	—	25.67	6.6
Sheriffs, bailiffs, and other law enforcement officers	21.90	6.9	—	—	21.90	6.9
Correctional institution officers	20.90	3.3	—	—	20.90	3.3
Guards and police, except public service	10.16	8.9	10.00	9.3	13.53	4.1
2	9.02	8.8	—	—	—	—
3	8.56	6.8	8.44	6.8	13.90	4.1
4	12.48	7.2	12.30	7.6	—	—
5	13.12	9.6	—	—	—	—
Protective service, n.e.c.	15.55	13.9	—	—	—	—
Food service	8.33	5.4	7.94	5.9	11.11	6.5
1	6.86	9.5	6.55	9.8	—	—
2	6.96	8.2	6.30	7.8	10.00	3.1
3	8.26	5.8	8.05	6.0	11.60	5.1
4	10.54	4.5	10.38	5.6	11.28	2.7
5	13.26	10.4	13.22	10.5	—	—
Supervisors, food preparation and service	13.68	7.9	12.86	7.3	—	—
Waiters and waitresses	5.66	13.1	5.66	13.1	—	—
2	4.62	13.8	4.62	13.8	—	—
3	5.95	20.9	5.95	20.9	—	—
Cooks	11.23	6.4	11.08	7.1	12.58	8.8
4	10.89	5.2	—	—	—	—
5	12.19	14.9	12.09	15.1	—	—
Food counter, fountain, and related	7.72	7.2	7.60	7.3	—	—
Kitchen workers, food preparation	10.46	8.4	10.45	8.7	—	—
2	10.38	8.1	—	—	—	—

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, New York-Northern New Jersey-Long Island, NY-NJ-CT-PA, August 1998 — Continued

Occupation and level	Total		Private industry		State and local government	
	Mean	Relative error ⁵ (percent)	Mean	Relative error ⁵ (percent)	Mean	Relative error ⁵ (percent)
Service—Continued						
Food service—Continued						
Kitchen workers, food preparation—Continued						
3	\$9.94	8.9	\$9.94	8.9	—	—
Waiters/Waitresses' assistants						
1	4.78	18.0	3.96	9.8	—	—
1	3.67	6.2	3.67	6.2	—	—
Food preparation, n.e.c.						
1	7.75	6.7	6.97	6.5	\$10.33	3.0
2	7.99	11.3	7.64	12.6	—	—
2	7.20	10.3	6.23	7.1	—	—
3	8.55	16.2	—	—	11.21	3.2
Health service						
1	9.96	3.6	9.32	3.5	13.81	2.1
1	11.53	3.6	11.53	3.6	—	—
2	7.99	3.5	7.98	3.5	—	—
3	9.03	5.5	8.73	5.5	11.97	3.4
4	10.80	6.2	10.42	6.9	13.19	.5
5	13.18	3.0	12.44	4.5	13.86	2.6
6	15.22	5.4	—	—	—	—
7	16.03	2.5	—	—	15.94	2.6
Health aides, except nursing						
2	12.25	3.5	11.63	4.8	13.76	2.4
2	9.70	7.2	9.70	7.2	—	—
3	10.24	8.3	10.13	8.8	—	—
4	13.51	2.8	14.29	7.3	—	—
5	14.59	1.2	—	—	—	—
6	15.22	5.4	—	—	—	—
Nursing aides, orderlies and attendants						
2	9.59	3.8	9.01	3.5	13.83	2.8
2	7.81	3.3	7.80	3.3	—	—
3	8.89	5.8	8.56	5.8	11.95	3.7
4	10.30	6.9	10.15	7.0	13.40	1.0
5	12.95	3.3	12.16	4.4	—	—
7	15.98	2.7	—	—	—	—
Cleaning and building service						
1	11.96	5.9	11.06	8.4	14.27	4.5
1	11.22	9.5	10.95	10.8	13.33	7.5
2	10.24	6.7	10.01	7.5	11.90	5.4
3	12.79	6.1	10.99	10.8	13.87	6.6
4	13.32	9.6	12.25	6.9	—	—
5	17.08	9.6	—	—	—	—
Supervisors, cleaning and building service workers						
1	15.81	17.0	—	—	—	—
Maids and housemen						
1	11.99	6.9	11.99	6.9	—	—
1	12.07	9.2	12.07	9.2	—	—
2	11.68	4.5	11.68	4.5	—	—
3	10.72	6.9	10.72	6.9	—	—
Janitors and cleaners						
1	11.70	7.1	10.45	11.2	14.10	4.7
1	10.95	12.2	10.55	14.5	13.33	7.5
2	9.41	8.8	8.81	10.0	11.90	5.4
3	13.16	5.9	10.67	9.4	14.02	6.9
4	12.81	15.7	—	—	—	—
5	15.73	10.5	—	—	—	—

See footnotes at end of table.

Table 4-1. Selected occupations¹ and levels,² all workers:³ Mean hourly earnings,⁴ private industry and State and local government, National Compensation Survey, New York-Northern New Jersey-Long Island, NY-NJ-CT-PA, August 1998 — 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	\$12.78	9.9	\$13.83	13.2	\$10.29	4.2
1	7.66	7.6	7.64	8.1	—	—
2	8.61	3.8	7.72	3.0	—	—
3	10.17	3.5	10.06	5.8	10.25	4.5
4	10.58	7.9	10.31	10.0	11.29	7.1
5	25.51	20.8	—	—	—	—
6	12.93	14.7	13.18	16.5	—	—
Attendants, amusement, and recreation facilities	9.22	4.6	—	—	—	—
Public transportation attendants	28.57	25.5	28.57	25.5	—	—
Welfare service aides	12.02	14.1	—	—	—	—
Early childhood teachers' assistants	10.61	8.2	9.70	10.3	11.36	8.9
Child care workers, n.e.c.	8.91	3.7	8.45	4.6	9.65	1.6
4	8.60	5.7	8.34	5.3	—	—
Service, n.e.c.	10.30	14.3	10.31	16.0	—	—
1	7.04	6.4	7.04	6.4	—	—
3	11.31	4.7	—	—	—	—

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 appendices 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, New York-Northern New Jersey-Long Island, NY-NJ-CT-PA, August 1998

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	\$21.44	1.8	\$20.60	2.3	\$24.15	2.0
All excluding sales	21.51	1.8	20.63	2.3	24.20	2.0
White collar	25.46	1.9	24.98	2.3	27.04	2.9
1	8.03	8.6	8.02	8.6	—	—
2	11.71	6.4	11.64	6.9	12.48	13.2
3	11.66	2.2	11.44	2.2	13.50	7.8
4	13.85	2.6	13.75	2.9	14.72	4.7
5	15.84	2.1	15.94	2.4	15.54	4.2
6	17.14	2.8	17.72	2.5	15.20	5.3
7	20.92	3.7	20.57	2.0	22.35	15.3
8	25.33	5.2	23.31	2.3	31.98	14.2
9	30.59	2.4	27.58	2.0	34.30	4.1
10	30.11	3.2	31.49	3.5	26.93	5.4
11	34.42	3.7	35.18	4.3	30.98	4.3
12	42.45	3.5	42.56	3.8	41.70	7.3
13	51.69	4.6	52.01	5.2	49.33	3.8
14	59.94	4.7	61.33	5.1	51.10	2.5
Not able to be leveled	30.53	7.8	37.45	6.7	21.34	9.7
White collar excluding sales	25.86	1.8	25.44	2.2	27.13	2.9
1	8.25	10.6	8.23	10.7	—	—
2	12.12	6.5	12.09	7.1	12.48	13.2
3	11.83	2.1	11.70	2.2	12.87	7.2
4	14.14	2.7	14.07	3.0	14.72	4.7
5	15.63	1.9	15.66	2.1	15.54	4.2
6	16.91	2.7	17.47	2.3	15.20	5.3
7	21.07	3.7	20.66	2.0	22.78	15.7
8	25.36	5.9	22.94	2.5	31.98	14.2
9	30.64	2.4	27.60	2.0	34.30	4.1
10	29.95	3.2	31.39	3.6	26.93	5.4
11	34.45	3.9	35.26	4.5	30.98	4.3
12	42.02	2.9	42.07	3.2	41.70	7.3
13	51.69	4.6	52.01	5.2	49.33	3.8
14	59.94	4.7	61.33	5.1	51.10	2.5
Not able to be leveled	30.22	7.9	37.14	6.8	21.34	9.7
Professional specialty and technical	30.22	1.9	28.79	2.3	32.84	3.6
Professional specialty	31.88	1.8	30.36	1.9	34.22	3.4
5	15.20	5.7	15.93	5.9	—	—
6	21.13	13.7	21.10	14.8	—	—
7	24.11	9.4	22.19	3.7	28.04	22.6
8	29.90	9.1	24.07	3.2	39.52	9.4
9	31.97	3.2	26.49	2.2	35.31	4.5
10	28.26	4.1	28.45	3.1	27.92	10.1
11	30.36	2.3	30.47	2.5	29.80	5.9
12	39.16	3.6	39.13	4.1	39.38	5.4
13	47.39	3.9	46.80	4.7	49.56	3.9
14	56.00	4.9	56.91	5.6	51.27	6.7
Not able to be leveled	34.24	6.8	38.50	8.7	28.78	2.9
Engineers, architects, and surveyors	29.43	3.8	30.55	4.0	24.90	4.9
7	20.46	4.2	20.46	4.2	—	—
9	25.21	4.1	27.56	4.2	23.31	3.3
10	27.34	8.8	31.46	6.7	—	—
11	27.74	4.6	27.74	4.6	—	—
12	34.06	4.7	33.85	5.1	—	—
13	43.38	3.0	43.38	3.0	—	—
14	51.00	1.5	51.00	1.5	—	—
Civil engineers	26.65	7.7	—	—	—	—
Electrical and electronic engineers	29.91	5.7	29.91	5.7	—	—
Industrial engineers	30.68	16.7	30.68	16.7	—	—
Mechanical engineers	28.42	5.8	29.31	6.5	—	—
Engineers, n.e.c.	31.59	5.7	32.81	4.8	—	—
11	26.90	9.2	26.90	9.2	—	—
12	36.90	2.1	36.90	2.1	—	—
Mathematical and computer scientists	31.76	3.6	31.77	3.6	—	—

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, New York-Northern New Jersey-Long Island, NY-NJ-CT-PA, August 1998** — Continued

Occupation and level	Total		Private industry		State and local government	
	Mean	Relative error ⁵ (percent)	Mean	Relative error ⁵ (percent)	Mean	Relative error ⁵ (percent)
White collar —Continued						
Professional specialty and technical —Continued						
Professional specialty —Continued						
Mathematical and computer scientists —Continued						
7	\$21.47	3.2	\$21.47	3.2	—	—
8	23.08	6.1	23.08	6.1	—	—
9	28.46	3.2	28.32	3.3	—	—
10	28.45	3.8	28.45	3.8	—	—
11	31.35	3.5	31.38	3.5	—	—
12	37.12	4.9	37.06	5.0	—	—
13	42.79	7.4	42.79	7.4	—	—
14	52.98	6.9	52.98	6.9	—	—
Computer systems analysts and scientists						
7	32.01	4.0	32.03	4.1	—	—
8	21.03	3.7	21.03	3.7	—	—
9	21.47	1.1	21.47	1.1	—	—
10	28.61	4.1	28.44	4.2	—	—
11	28.45	3.8	28.45	3.8	—	—
12	30.63	3.2	30.67	3.2	—	—
13	37.12	4.9	37.06	5.0	—	—
14	42.79	7.4	42.79	7.4	—	—
14	52.98	6.9	52.98	6.9	—	—
Operations and systems researchers and analysts						
Natural scientists	31.92	8.0	31.92	8.0	—	—
9	31.69	5.3	32.00	5.5	—	—
12	26.63	5.8	26.58	6.1	—	—
12	35.36	3.3	35.36	3.3	—	—
Chemists, except biochemists	30.75	6.8	30.75	6.8	—	—
Medical scientists	36.19	1.6	36.61	1.4	—	—
Health related						
7	27.23	2.5	28.26	2.8	\$23.18	4.0
8	24.42	6.3	24.79	6.6	20.61	8.6
9	25.86	3.3	25.89	3.8	25.69	1.7
10	24.97	2.5	25.84	2.8	22.17	4.7
11	24.15	8.2	27.73	7.1	15.56	16.3
12	27.67	5.2	27.83	5.4	26.67	16.5
13	41.40	14.0	41.70	14.6	—	—
14	54.36	4.9	56.34	5.5	—	—
14	54.29	6.0	—	—	—	—
Not able to be leveled	33.55	18.6	49.42	15.7	—	—
Physicians						
9	29.86	8.3	34.19	9.2	20.12	11.7
10	18.25	11.4	20.21	11.4	—	—
11	16.32	10.5	19.98	6.3	—	—
12	25.02	12.1	26.84	11.4	—	—
13	53.83	5.1	56.34	5.5	—	—
14	54.29	6.0	—	—	—	—
Not able to be leveled	34.87	19.9	55.99	14.2	—	—
Registered nurses						
7	27.09	1.8	27.48	2.0	25.09	3.9
8	26.98	6.8	27.63	7.3	—	—
9	26.77	3.5	26.81	4.0	—	—
10	26.05	2.5	26.74	2.7	23.63	4.8
11	33.30	3.0	33.30	3.0	—	—
12	28.49	6.0	27.82	6.7	33.24	3.6
Pharmacists	28.27	8.2	30.82	5.6	—	—
Dietitians						
7	17.54	3.9	17.21	4.4	—	—
7	16.51	4.1	—	—	—	—
Respiratory therapists	22.11	1.7	—	—	—	—
Teachers, college and university						
9	43.58	4.5	43.70	6.9	43.40	4.6
10	26.72	4.8	—	—	—	—
11	31.88	9.7	—	—	—	—
12	35.75	7.2	35.97	7.4	—	—
13	44.45	8.8	49.68	9.8	36.63	9.5
14	49.98	4.0	—	—	49.47	4.4
14	63.99	11.8	—	—	—	—
Not able to be leveled	43.14	6.8	41.25	10.8	—	—

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, New York-Northern New Jersey-Long Island, NY-NJ-CT-PA, August 1998** — Continued

Occupation and level	Total		Private industry		State and local government	
	Mean	Relative error ⁵ (percent)	Mean	Relative error ⁵ (percent)	Mean	Relative error ⁵ (percent)
White collar —Continued						
Professional specialty and technical —Continued						
Professional specialty —Continued						
Teachers, college and university —Continued						
English teachers	\$54.64	5.6	—	—	—	—
Teachers, post secondary, subject not specified ..	44.01	11.1	\$53.27	16.3	\$36.98	11.4
12	32.53	10.7	—	—	—	—
Teachers, except college and university	36.72	4.0	22.45	4.9	38.94	4.2
5	12.68	4.2	13.00	6.7	—	—
7	27.22	20.5	21.39	3.7	29.17	25.1
8	39.19	10.1	24.54	11.5	43.50	7.4
9	39.41	3.4	25.73	7.4	40.18	3.5
10	35.93	6.3	—	—	37.59	5.5
Prekindergarten and kindergarten	30.54	30.0	—	—	—	—
Elementary school teachers	39.76	4.4	25.74	5.6	42.14	4.5
7	33.45	26.7	21.64	3.1	—	—
8	39.99	7.5	—	—	—	—
9	40.99	5.2	—	—	41.40	5.4
Secondary school teachers	42.59	6.3	30.52	13.3	43.36	6.5
8	47.91	6.1	—	—	49.04	6.4
9	40.18	8.3	—	—	40.98	8.5
Teachers, special education	36.85	4.7	21.57	8.7	38.95	3.6
9	36.86	3.6	—	—	37.74	3.2
Teachers, n.e.c.	33.41	7.9	22.59	10.6	34.43	8.5
7	24.07	4.4	—	—	—	—
9	39.42	2.4	—	—	—	—
Vocational and educational counselors	31.77	16.5	19.44	12.3	37.18	11.7
Librarians, archivists, and curators	29.30	9.8	26.96	9.6	37.45	17.2
9	31.49	16.0	—	—	—	—
11	30.56	14.8	30.56	14.8	—	—
Librarians	27.88	10.6	24.52	8.0	37.45	17.2
9	31.49	16.0	—	—	—	—
11	30.56	14.8	30.56	14.8	—	—
Social scientists and urban planners	30.04	10.3	25.29	10.7	36.62	10.5
11	30.04	7.3	—	—	—	—
Economists	26.76	11.7	26.76	11.7	—	—
Psychologists	33.34	13.2	21.42	13.8	37.48	9.7
Social, recreation, and religious workers	21.16	5.5	20.46	5.7	21.54	8.2
7	16.94	8.3	—	—	—	—
8	18.38	10.0	—	—	22.42	7.5
9	20.72	7.0	23.29	4.1	19.98	7.6
11	28.06	5.6	—	—	—	—
Social workers	21.65	6.0	20.92	5.7	22.01	8.8
7	17.01	8.4	—	—	—	—
8	19.37	13.0	—	—	22.42	7.5
9	20.52	6.8	22.64	3.6	19.98	7.6
11	28.06	5.6	—	—	—	—
Recreation workers	13.94	7.4	—	—	—	—
Lawyers and judges	38.99	10.4	47.79	10.0	31.09	7.7
12	47.14	16.1	49.36	23.2	—	—
Lawyers	38.99	10.4	47.79	10.0	31.09	7.7
12	47.14	16.1	49.36	23.2	—	—
Writers, authors, entertainers, athletes, and professionals, n.e.c.	30.67	5.9	31.04	5.9	—	—
5	15.51	5.0	15.51	5.0	—	—
7	21.21	9.5	21.21	9.5	—	—
8	22.24	3.7	22.24	3.7	—	—
9	29.72	9.4	31.19	9.4	—	—
11	33.01	6.5	33.58	6.6	—	—
12	39.37	8.6	39.37	8.6	—	—
Not able to be leveled	33.75	19.2	34.02	19.5	—	—
Designers	28.43	7.6	28.43	7.6	—	—

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, New York-Northern New Jersey-Long Island, NY-NJ-CT-PA, August 1998** — Continued

Occupation and level	Total		Private industry		State and local government	
	Mean	Relative error ⁵ (percent)	Mean	Relative error ⁵ (percent)	Mean	Relative error ⁵ (percent)
White collar —Continued						
Professional specialty and technical —Continued						
Professional specialty —Continued						
Writers, authors, entertainers, athletes, and professionals, n.e.c. —Continued						
Painters, sculptors, craft artists, and artist printmakers						
	\$17.37	22.4	—	—	—	—
Not able to be leveled	17.37	22.4	—	—	—	—
Editors and reporters	33.24	14.8	\$33.24	14.8	—	—
7	19.06	8.4	19.06	8.4	—	—
9	33.31	13.7	33.31	13.7	—	—
Public relations specialists	21.65	11.7	—	—	—	—
Professional, n.e.c.	31.93	6.2	32.06	6.2	—	—
9	32.07	14.9	32.07	14.9	—	—
11	31.16	10.3	32.13	11.0	—	—
12	35.62	2.3	35.62	2.3	—	—
Not able to be leveled	32.35	23.9	32.35	23.9	—	—
Technical	22.67	7.6	23.62	8.3	\$17.80	7.5
3	12.69	11.9	—	—	—	—
4	14.98	3.1	14.87	3.3	—	—
5	16.12	3.2	16.15	3.9	16.02	4.4
6	16.01	3.7	16.34	4.0	15.33	4.9
7	20.54	8.4	20.89	9.6	18.36	3.8
8	21.35	4.7	21.31	4.8	—	—
9	27.52	9.0	28.34	11.1	—	—
10	39.74	19.0	39.74	19.0	—	—
11	67.07	29.9	70.57	30.2	—	—
Not able to be leveled	18.34	9.4	18.09	11.1	—	—
Clinical laboratory technologists and technicians	18.53	4.8	18.06	5.4	21.69	10.4
7	18.06	7.0	18.50	10.2	—	—
8	19.88	10.7	—	—	—	—
9	21.88	5.2	21.74	5.3	—	—
Radiologic technicians	22.89	3.5	22.56	3.3	—	—
Licensed practical nurses	16.27	2.1	16.42	2.5	15.54	2.6
5	16.31	2.7	—	—	15.26	3.5
6	15.54	4.3	15.59	4.9	—	—
7	17.03	3.0	16.95	3.0	—	—
Health technologists and technicians, n.e.c.	16.07	3.4	15.33	3.0	17.03	9.6
4	15.24	4.0	15.08	4.4	—	—
5	14.77	6.7	13.82	6.0	—	—
6	14.75	2.9	—	—	15.32	5.2
Electrical and electronic technicians	20.77	6.5	20.77	6.5	—	—
8	22.81	7.2	22.81	7.2	—	—
Engineering technicians, n.e.c.	18.11	10.7	18.11	10.7	—	—
Drafters	16.52	2.9	16.52	2.9	—	—
Broadcast equipment operators	34.49	4.3	34.49	4.3	—	—
Computer programmers	24.32	6.0	24.98	6.2	—	—
9	28.02	4.4	28.44	4.1	—	—
Legal assistants	20.05	7.0	—	—	—	—
Technical and related, n.e.c.	22.39	7.2	22.71	7.5	—	—
8	24.54	14.1	—	—	—	—
Executive, administrative, and managerial						
5	34.46	2.8	36.17	2.7	27.44	7.3
6	17.24	4.3	16.66	4.8	—	—
7	15.60	7.9	17.41	3.8	—	—
8	19.82	3.6	20.47	3.7	17.01	4.0
9	22.10	4.3	22.81	4.7	20.10	5.1
10	28.21	2.8	28.55	3.0	25.89	6.9
11	30.01	3.8	32.20	3.4	25.97	1.8
12	35.29	4.1	36.27	4.5	31.95	6.7
13	43.71	3.6	43.80	3.8	43.13	10.5
14	56.65	7.3	56.79	7.4	—	—
	61.59	6.1	63.09	6.5	—	—

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, New York-Northern New Jersey-Long Island, NY-NJ-CT-PA, August 1998** — 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						
Not able to be leveled	\$42.47	7.8	\$45.43	7.5	\$29.95	7.1
Executives, administrators, and managers	39.72	2.6	40.16	2.8	36.76	7.4
7	21.59	7.8	22.20	7.8	—	—
8	24.11	8.5	24.34	8.7	—	—
9	29.88	3.7	29.82	3.8	30.63	13.3
10	31.09	6.0	31.16	6.1	—	—
11	35.06	3.5	35.45	3.5	33.66	9.5
12	42.89	3.2	42.77	3.3	43.56	10.6
13	56.43	7.8	56.58	7.9	—	—
14	64.80	6.2	67.09	6.5	—	—
Not able to be leveled	43.99	8.9	46.24	8.6	—	—
Administrators and officials, public administration	33.80	8.2	—	—	33.93	8.6
Financial managers	43.26	6.8	44.76	6.7	—	—
9	33.77	12.6	35.76	10.4	—	—
11	35.27	9.8	37.66	9.3	—	—
12	43.14	9.3	43.14	9.3	—	—
14	71.86	18.9	77.24	20.6	—	—
Personnel and labor relations managers	39.00	8.7	39.00	8.7	—	—
Managers, marketing, advertising, and public relations	45.95	6.9	45.95	6.9	—	—
9	28.00	6.6	28.00	6.6	—	—
11	45.84	12.4	45.84	12.4	—	—
12	48.93	6.7	48.93	6.7	—	—
Administrators, education and related fields	39.81	10.7	26.49	12.2	47.87	6.8
11	43.02	11.0	—	—	—	—
12	45.52	10.2	—	—	47.75	9.1
Managers, medicine and health	38.16	8.7	41.47	8.0	26.10	5.0
8	20.00	7.7	—	—	—	—
9	28.59	5.1	29.21	5.7	—	—
11	28.05	8.5	—	—	—	—
12	41.67	13.8	42.45	15.8	36.94	9.1
13	53.81	8.7	—	—	—	—
Managers, service organizations, n.e.c.	42.44	10.9	43.51	11.0	—	—
9	36.09	10.1	37.24	10.5	—	—
12	43.11	14.3	43.11	14.3	—	—
Managers and administrators, n.e.c.	38.22	3.2	38.36	3.2	36.25	13.9
7	23.24	8.0	23.35	8.1	—	—
8	23.41	15.5	23.41	15.5	—	—
9	27.99	3.8	27.96	3.9	—	—
10	30.63	13.7	30.63	13.7	—	—
11	33.76	3.7	33.75	3.8	—	—
12	40.47	3.4	41.07	3.4	—	—
13	56.93	13.6	56.93	13.6	—	—
14	63.77	7.9	66.50	8.0	—	—
Not able to be leveled	39.67	9.6	41.74	9.4	—	—
Management related	27.16	5.9	29.38	6.7	21.62	7.2
5	17.19	4.3	16.58	4.9	—	—
6	15.61	8.0	17.45	3.9	—	—
7	19.07	2.7	19.61	2.7	17.26	4.1
8	21.24	4.3	21.84	5.1	20.17	5.4
9	26.19	2.7	26.83	2.9	23.23	5.1
10	29.48	4.5	33.22	3.2	—	—
11	35.88	10.9	38.49	12.2	28.23	2.2
12	47.75	10.7	48.19	10.6	—	—
13	58.78	18.0	58.78	18.0	—	—
Not able to be leveled	38.06	16.9	42.55	17.8	—	—
Accountants and auditors	25.40	3.3	25.60	3.5	—	—
5	17.02	5.6	17.02	5.6	—	—
7	19.90	3.0	19.90	3.0	—	—
8	20.72	7.6	20.84	10.4	—	—
9	24.96	3.7	25.13	4.0	—	—

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, New York-Northern New Jersey-Long Island, NY-NJ-CT-PA, August 1998** — 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						
Management related —Continued						
Accountants and auditors —Continued						
10	\$28.73	4.9	—	—	—	—
11	28.47	7.7	\$28.43	9.0	—	—
Other financial officers						
8	36.43	16.6	38.65	17.2	—	—
8	19.37	7.6	19.37	7.6	—	—
9	23.75	5.3	23.75	5.3	—	—
11	47.39	12.7	47.39	12.7	—	—
Management analysts						
32.29	7.5	33.20	7.9	—	—	
Personnel, training, and labor relations						
specialists						
24.35	8.7	27.55	7.5	\$18.65	6.8	
8	22.11	11.6	—	—	—	
9	27.77	9.9	28.83	9.2	—	
Purchasing agents and buyers, n.e.c.						
27.20	11.4	27.35	11.6	—	—	
Construction inspectors						
24.74	10.6	—	—	—	—	
Inspectors and compliance officers, except						
construction						
19.94	12.2	29.06	6.8	18.58	12.7	
9	25.18	6.9	—	—	—	
Management related, n.e.c.						
24.78	5.1	24.91	6.8	24.41	4.1	
6	17.75	4.5	17.86	4.6	—	
7	20.23	5.7	21.13	5.7	—	
8	21.91	3.8	21.18	3.1	—	
9	25.33	4.3	26.71	3.8	—	
Not able to be leveled	34.23	18.7	38.49	23.2	—	
Sales						
19.95	8.3	20.07	8.4	—	—	
2	8.74	11.3	8.74	11.3	—	
3	10.84	7.9	10.24	6.6	—	
4	11.22	5.0	11.22	5.0	—	
5	17.56	9.8	17.56	9.8	—	
6	20.04	10.1	20.04	10.1	—	
7	16.20	4.8	17.04	5.1	—	
8	25.08	5.9	25.08	5.9	—	
9	26.45	8.8	26.45	8.8	—	
10	32.41	13.7	32.41	13.7	—	
11	33.65	5.6	33.65	5.6	—	
Not able to be leveled	46.20	26.9	46.20	26.9	—	
Supervisors, sales						
23.28	7.7	23.28	7.7	—	—	
8	24.47	11.3	24.47	11.3	—	
Advertising and related sales						
21.78	3.4	21.78	3.4	—	—	
Sales, other business services						
25.07	9.7	25.07	9.7	—	—	
5	18.63	14.6	18.63	14.6	—	
8	32.52	8.8	32.52	8.8	—	
Sales representatives, mining, manufacturing, and wholesale						
28.36	11.0	28.36	11.0	—	—	
Sales workers, apparel						
9.35	18.2	9.35	18.2	—	—	
Sales workers, radio, tv, hi-fi, and appliances						
13.39	20.7	13.39	20.7	—	—	
Sales workers, hardware and building supplies						
14.75	8.7	14.75	8.7	—	—	
Sales workers, other commodities						
9.55	4.6	9.55	4.6	—	—	
4	9.65	6.6	9.65	6.6	—	
Cashiers						
13.15	6.8	12.44	6.2	—	—	
3	13.13	9.0	12.07	8.3	—	
Sales support, n.e.c.						
16.40	16.5	16.40	16.5	—	—	
Administrative support, including clerical						
15.07	1.6	15.04	1.9	15.19	2.4	
1	8.25	10.6	8.23	10.7	—	
2	12.12	6.5	12.09	7.1	12.48	
3	11.80	2.2	11.66	2.3	12.85	
4	14.10	2.8	14.03	3.2	14.68	
5	15.52	2.3	15.50	2.6	15.57	
6	17.41	2.1	17.51	2.4	16.84	

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, New York-Northern New Jersey-Long Island, NY-NJ-CT-PA, August 1998** — 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						
Administrative support, including clerical —Continued						
7	\$19.60	2.3	\$19.85	2.4	\$17.57	4.6
8	22.38	7.1	23.14	7.7	—	—
9	28.27	4.9	28.49	5.6	—	—
Not able to be leveled	15.10	3.9	15.91	9.0	14.76	3.8
Supervisors, general office	20.55	5.1	21.08	5.9	18.79	5.9
5	17.96	9.7	18.15	13.3	—	—
6	17.26	7.9	—	—	—	—
7	18.98	5.6	—	—	—	—
8	21.41	3.8	—	—	—	—
9	27.76	6.8	27.84	7.5	—	—
Supervisors, financial records processing	20.41	6.2	20.62	6.6	—	—
7	18.10	6.3	18.10	6.3	—	—
8	20.32	6.3	—	—	—	—
Supervisors, distribution, scheduling, and adjusting clerks	22.65	11.6	22.65	11.6	—	—
Computer operators	15.76	5.8	15.37	5.6	—	—
Secretaries	16.33	2.3	16.32	2.3	16.36	7.1
3	13.00	4.7	12.92	4.9	—	—
4	14.73	2.7	14.47	2.9	16.55	6.2
5	16.09	4.1	15.28	2.6	—	—
6	17.21	2.6	17.15	3.1	17.50	1.9
7	21.04	4.6	21.03	4.6	—	—
Stenographers	16.87	5.9	—	—	17.10	7.2
Typists	13.76	4.3	14.06	7.3	13.50	4.7
3	13.86	4.4	—	—	13.65	7.4
4	12.80	4.3	12.68	8.9	—	—
5	14.71	10.7	—	—	—	—
Interviewers	12.52	9.2	12.17	10.2	—	—
Hotel clerks	9.93	9.7	9.93	9.7	—	—
3	10.07	10.1	10.07	10.1	—	—
Transportation ticket and reservation agents	14.52	10.9	14.52	10.9	—	—
Receptionists	11.56	4.4	11.56	4.4	—	—
3	11.42	4.2	11.42	4.2	—	—
4	11.92	8.9	11.92	8.9	—	—
Order clerks	18.17	6.3	18.17	6.3	—	—
5	19.52	6.4	19.52	6.4	—	—
Personnel clerks, except payroll and timekeeping	13.77	8.0	—	—	—	—
Library clerks	13.23	6.8	15.05	5.2	—	—
File clerks	11.57	5.3	11.57	5.3	—	—
2	11.02	4.2	11.02	4.2	—	—
Records clerks, n.e.c.	14.67	4.8	14.97	5.0	—	—
4	13.97	5.6	13.98	5.8	—	—
Bookkeepers, accounting and auditing clerks	14.90	2.8	14.69	2.9	17.14	7.2
3	11.59	5.9	11.59	5.9	—	—
4	13.03	4.2	13.03	4.2	—	—
5	15.23	3.7	14.55	2.2	—	—
6	17.45	5.7	17.44	5.7	—	—
7	17.79	5.3	18.33	5.7	—	—
Payroll and timekeeping clerks	15.11	9.5	15.11	9.5	—	—
Billing clerks	12.55	4.5	12.55	4.5	—	—
4	12.16	4.1	12.16	4.1	—	—
Telephone operators	15.53	3.7	15.71	3.3	—	—
Mail clerks, except postal service	12.26	13.1	12.26	13.1	—	—
3	16.54	20.4	16.54	20.4	—	—
Messengers	9.33	18.8	8.91	19.6	—	—
Dispatchers	14.97	5.1	14.81	6.3	—	—
Traffic, shipping and receiving clerks	12.67	3.6	12.50	4.0	—	—
3	11.43	4.4	11.45	4.5	—	—
4	12.08	4.8	12.08	4.8	—	—
5	14.54	4.2	—	—	—	—
Stock and inventory clerks	14.49	5.4	14.49	5.4	—	—

See footnotes at end of table.

Table 4-2. **Selected occupations¹ and levels,² full-time workers:³ Mean hourly earnings,⁴ private industry and State and local government, National Compensation Survey, New York-Northern New Jersey-Long Island, NY-NJ-CT-PA, August 1998** — 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						
Administrative support, including clerical —Continued						
Stock and inventory clerks —Continued						
3	\$11.59	10.1	\$11.59	10.1	—	—
4	14.43	3.5	14.43	3.5	—	—
5	14.97	6.9	14.97	6.9	—	—
Material recording, scheduling, and distribution clerks, n.e.c.	12.86	13.0	12.86	13.0	—	—
Insurance adjusters, examiners, and investigators	18.55	15.2	18.55	15.2	—	—
7	20.83	7.1	20.83	7.1	—	—
Investigators and adjusters, except insurance	17.32	6.9	17.38	7.3	—	—
Eligibility clerks, social welfare	14.61	4.9	—	—	\$15.01	4.3
Bill and account collectors	17.24	5.8	17.24	5.8	—	—
General office clerks	14.09	3.7	13.83	4.5	14.74	6.2
2	9.57	9.0	9.52	9.7	—	—
3	12.13	5.7	12.74	5.6	—	—
4	14.24	5.7	14.31	6.2	13.59	4.3
5	15.34	6.4	14.97	7.6	15.54	9.0
6	18.42	6.6	—	—	—	—
Not able to be leveled	15.28	7.9	—	—	—	—
Bank tellers	10.43	3.6	10.43	3.6	—	—
3	9.68	3.6	9.68	3.6	—	—
4	11.41	4.0	11.41	4.0	—	—
Data entry keyers	11.54	4.9	11.14	5.3	—	—
2	11.12	7.8	10.38	5.3	—	—
3	10.22	5.9	10.22	5.9	—	—
4	13.35	10.2	13.58	11.1	—	—
Statistical clerks	12.44	8.6	12.33	8.7	—	—
4	12.03	10.8	12.03	10.8	—	—
Teachers' aides	11.28	7.4	—	—	12.57	2.2
4	10.26	8.5	—	—	—	—
Administrative support, n.e.c.	15.54	5.3	16.17	5.9	13.68	4.8
3	11.95	7.0	—	—	—	—
4	13.29	3.9	13.21	4.1	—	—
5	13.45	5.8	14.51	3.0	—	—
6	16.59	7.3	17.08	7.7	—	—
7	21.19	6.3	21.19	6.3	—	—
Blue collar						
1	15.00	2.8	14.51	3.0	18.24	5.5
2	8.97	6.0	8.38	5.5	15.03	5.1
3	9.58	5.3	9.32	5.4	14.71	7.7
4	12.42	5.8	12.09	6.4	14.24	15.8
5	13.27	5.7	12.71	5.9	17.05	3.0
6	15.83	3.3	15.74	3.8	16.41	4.7
7	16.96	5.2	16.76	5.8	18.72	7.7
8	21.69	2.4	21.73	2.7	21.55	5.0
9	22.48	3.2	22.26	3.7	23.27	5.9
Not able to be leveled	27.06	5.5	26.44	5.6	—	—
18.29	15.6	18.29	15.6	—	—	
Precision production, craft, and repair						
3	20.90	2.6	20.79	2.9	21.44	4.8
4	10.50	5.6	10.50	5.6	—	—
5	15.51	7.5	14.85	9.7	—	—
6	16.97	5.0	17.03	5.4	—	—
7	17.39	8.3	17.08	10.0	18.75	7.7
8	22.44	2.4	22.64	2.6	21.69	6.2
9	22.78	3.5	22.62	4.3	23.27	5.9
Not able to be leveled	27.21	5.7	26.57	5.8	—	—
22.98	12.4	22.98	12.4	—	—	
Supervisors, mechanics and repairers	26.20	5.1	28.01	2.2	—	—
Automobile mechanics	22.42	4.7	—	—	22.93	4.3
7	22.59	4.6	—	—	—	—

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, New York-Northern New Jersey-Long Island, NY-NJ-CT-PA, August 1998** — Continued

Occupation and level	Total		Private industry		State and local government	
	Mean	Relative error ⁵ (percent)	Mean	Relative error ⁵ (percent)	Mean	Relative error ⁵ (percent)
Blue collar —Continued						
Precision production, craft, and repair —Continued						
Industrial machinery repairers	\$18.19	4.6	\$18.19	4.6	—	—
7	18.16	4.8	18.16	4.8	—	—
Electronic repairers, communications and industrial equipment	22.45	5.9	22.45	5.9	—	—
Heating, air conditioning, and refrigeration mechanics	21.23	7.4	—	—	—	—
Mechanics and repairers, n.e.c.	19.18	4.1	19.20	5.4	\$19.13	4.5
5	18.64	8.2	—	—	—	—
7	18.79	5.3	—	—	—	—
Supervisors, electricians and power transmission installers	31.12	10.4	30.02	11.7	—	—
Carpenters	21.56	11.0	20.77	12.3	—	—
7	21.80	6.8	—	—	—	—
Electricians	23.42	8.0	24.39	8.1	—	—
7	24.11	8.8	25.01	8.5	—	—
Painters, construction and maintenance	23.06	6.9	24.22	4.7	—	—
Plumbers, pipefitters and steamfitters	21.33	5.1	—	—	—	—
Construction trades, n.e.c.	18.82	14.7	18.82	14.7	—	—
Supervisors, production	22.05	6.7	22.05	6.7	—	—
7	22.71	10.6	22.71	10.6	—	—
Machinists	17.40	9.6	16.07	8.4	—	—
Electrical and electronic equipment assemblers ..	10.88	9.1	10.88	9.1	—	—
Miscellaneous precision workers, n.e.c.	22.62	11.2	22.62	11.2	—	—
Stationary engineers	21.53	7.0	21.76	7.7	—	—
7	23.16	6.8	23.16	6.8	—	—
Machine operators, assemblers, and inspectors	10.86	4.0	10.80	4.0	—	—
1	7.98	5.7	7.94	5.7	—	—
2	8.53	5.3	8.53	5.3	—	—
3	10.30	7.7	10.30	7.7	—	—
4	10.55	8.3	10.54	8.3	—	—
5	13.93	5.7	13.91	5.9	—	—
6	14.26	6.4	14.26	6.4	—	—
7	17.23	7.9	16.98	8.2	—	—
Punching and stamping press operators	9.04	8.6	9.04	8.6	—	—
Grinding, abrading, buffing, and polishing machine operators	11.79	9.8	11.79	9.8	—	—
Numerical control machine operators	11.72	7.3	11.72	7.3	—	—
Fabricating machine operators, n.e.c.	13.24	15.5	13.24	15.5	—	—
Textile sewing machine operators	7.34	6.0	7.34	6.0	—	—
2	7.24	6.1	7.24	6.1	—	—
Laundering and dry cleaning machine operators	10.77	7.6	10.64	8.0	—	—
Packaging and filling machine operators	9.97	14.5	9.97	14.5	—	—
Mixing and blending machine operators	12.70	7.0	12.70	7.0	—	—
Photographic process machine operators	11.07	3.0	11.07	3.0	—	—
Miscellaneous machine operators, n.e.c.	12.96	6.4	12.96	6.4	—	—
2	9.11	7.9	9.11	7.9	—	—
4	12.76	10.0	12.76	10.0	—	—
5	16.09	7.1	16.09	7.1	—	—
Assemblers	8.54	7.1	8.54	7.1	—	—
2	7.12	8.3	7.12	8.3	—	—
Production inspectors, checkers and examiners ..	11.16	6.5	11.16	6.5	—	—
Transportation and material moving	15.83	4.0	15.66	3.8	16.32	11.5
2	12.76	14.4	—	—	—	—
3	14.20	10.9	14.15	11.8	—	—
4	15.30	3.8	15.25	4.1	15.82	11.5
5	16.30	4.3	16.23	5.5	—	—
7	21.48	5.9	—	—	—	—
Truck drivers	15.87	3.7	15.44	3.5	—	—
3	16.37	10.6	—	—	—	—

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, New York-Northern New Jersey-Long Island, NY-NJ-CT-PA, August 1998** — 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						
Transportation and material moving —Continued						
Truck drivers —Continued						
4	\$15.28	3.6	\$15.31	3.6	—	—
5	16.15	7.0	16.15	7.0	—	—
Driver-sales workers	18.83	3.1	18.83	3.1	—	—
Bus drivers	13.73	10.2	—	—	—	—
Motor transportation, n.e.c.	12.90	14.6	—	—	—	—
Industrial truck and tractor equipment operators ..	13.60	13.9	13.60	13.9	—	—
Miscellaneous material moving equipment operators, n.e.c.	18.99	9.1	—	—	—	—
Handlers, equipment cleaners, helpers, and laborers						
1	12.75	4.8	12.08	5.5	\$16.14	3.5
2	9.63	8.2	8.72	8.1	15.28	4.8
3	10.57	7.6	10.40	8.4	—	—
4	14.07	8.9	14.06	9.9	—	—
5	15.00	6.5	13.74	7.0	17.28	2.2
7	16.92	8.4	16.96	9.8	—	—
Groundskeepers and gardeners, except farm	18.16	5.7	17.45	5.7	—	—
Supervisors, handlers, equipment cleaners, and laborers, n.e.c.	12.87	7.3	11.84	5.1	—	—
Helpers, construction trades	16.90	12.3	15.55	11.9	—	—
Production helpers	14.27	7.5	—	—	—	—
Stock handlers and baggers	9.41	7.4	9.41	7.4	—	—
Freight, stock, and material handlers, n.e.c.	14.60	8.5	14.60	8.5	—	—
1	12.80	7.6	12.80	7.6	—	—
3	9.76	11.4	9.76	11.4	—	—
4	14.69	9.1	14.69	9.1	—	—
Hand packers and packagers	17.22	9.0	17.22	9.0	—	—
2	11.59	14.0	11.59	14.0	—	—
Laborers, except construction, n.e.c.	8.93	6.4	8.93	6.4	—	—
1	11.36	7.2	10.68	9.0	14.63	4.6
2	9.38	13.5	7.02	8.5	—	—
	12.00	11.4	11.90	12.8	—	—
Service						
1	14.31	4.0	10.85	4.1	20.04	3.5
2	11.14	7.8	10.87	9.2	13.24	7.5
3	8.34	3.8	8.19	3.8	10.53	3.6
4	9.90	4.4	8.97	4.3	13.20	4.5
5	11.10	4.5	10.69	5.1	12.81	5.0
6	17.18	10.4	18.09	14.4	15.36	5.2
7	18.56	3.8	15.19	6.5	19.80	2.4
8	22.97	5.7	22.09	20.4	23.17	5.4
9	20.79	4.3	—	—	20.85	4.7
10	27.23	7.2	—	—	27.23	7.2
Not able to be leveled	28.30	6.1	—	—	27.83	6.0
Protective service	21.63	20.7	—	—	—	—
3	20.02	5.7	11.05	9.8	23.68	3.5
4	8.69	8.4	8.32	7.9	—	—
5	12.48	7.2	12.30	7.6	—	—
6	15.16	10.0	—	—	18.59	7.8
7	19.57	2.5	—	—	19.88	2.6
8	23.81	5.6	—	—	24.56	6.0
9	20.84	4.4	—	—	20.86	4.7
10	27.23	7.2	—	—	27.23	7.2
Supervisors, police and detectives	27.83	6.0	—	—	27.83	6.0
7	31.19	7.7	—	—	31.19	7.7
8	29.78	8.2	—	—	29.78	8.2
Supervisors, guards	16.19	8.1	16.19	8.1	—	—
Police and detectives, public service	23.84	5.7	—	—	23.84	5.7
7	28.81	5.4	—	—	28.81	5.4
9	25.67	6.6	—	—	25.67	6.6

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, New York-Northern New Jersey-Long Island, NY-NJ-CT-PA, August 1998** — 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						
Protective service—Continued						
Sheriffs, bailiffs, and other law enforcement officers	\$22.94	5.5	—	—	\$22.94	5.5
Correctional institution officers	20.90	3.3	—	—	20.90	3.3
Guards and police, except public service	10.49	10.2	\$10.31	10.7	14.14	2.5
3	8.47	7.9	8.32	7.9	—	—
4	12.48	7.2	12.30	7.6	—	—
5	13.12	9.6	—	—	—	—
Food service	9.66	5.7	9.35	6.2	12.00	8.9
1	7.89	11.7	7.56	12.3	—	—
2	7.83	10.5	7.50	11.6	—	—
3	9.26	6.6	9.02	6.8	11.58	5.2
4	10.85	5.9	10.75	6.7	—	—
5	13.44	10.8	13.40	10.9	—	—
Supervisors, food preparation and service	13.68	8.0	12.85	7.4	—	—
Waiters and waitresses	6.28	16.9	6.28	16.9	—	—
Cooks	11.31	6.8	11.13	7.2	14.55	5.4
4	10.94	6.1	—	—	—	—
5	12.44	16.0	—	—	—	—
Kitchen workers, food preparation	12.09	10.2	12.14	10.5	—	—
Food preparation, n.e.c.	8.77	7.9	8.20	9.3	10.75	2.4
1	8.56	14.5	8.18	16.5	—	—
2	7.95	12.7	—	—	—	—
3	10.93	2.5	—	—	—	—
Health service	10.05	4.0	9.34	3.9	13.87	2.2
1	11.54	3.7	11.54	3.7	—	—
2	7.95	3.8	7.94	3.8	—	—
3	9.12	6.1	8.78	6.2	12.12	3.4
4	10.80	6.7	10.39	7.5	13.22	.5
5	13.22	3.2	12.41	5.1	13.86	2.6
6	15.22	5.4	—	—	—	—
7	16.04	2.6	—	—	15.94	2.6
Health aides, except nursing	12.47	3.3	11.88	4.5	13.79	2.4
2	9.90	8.5	9.90	8.5	—	—
3	10.59	6.9	10.49	7.4	—	—
4	13.57	2.9	14.48	7.8	—	—
5	14.59	1.2	—	—	—	—
6	15.22	5.4	—	—	—	—
Nursing aides, orderlies and attendants	9.64	4.3	8.99	3.9	13.90	2.9
2	7.76	3.4	7.75	3.4	—	—
3	8.95	6.5	8.57	6.5	12.11	3.6
4	10.26	7.4	10.10	7.6	13.40	1.0
5	12.98	3.6	12.08	4.9	—	—
7	15.99	2.8	—	—	—	—
Cleaning and building service	12.97	4.0	12.23	6.6	14.37	4.5
1	12.41	7.2	12.21	8.6	13.70	8.0
2	11.43	3.4	11.33	4.0	11.90	5.4
3	13.26	5.3	11.99	9.1	13.87	6.6
4	13.32	9.6	12.25	6.9	—	—
5	17.08	9.6	—	—	—	—
Supervisors, cleaning and building service workers	19.25	5.1	—	—	—	—
Maids and housemen	11.98	6.9	11.98	6.9	—	—
1	12.06	9.3	12.06	9.3	—	—
2	11.68	4.5	11.68	4.5	—	—
3	10.72	6.9	10.72	6.9	—	—
Janitors and cleaners	12.95	4.7	11.94	9.6	14.20	4.8
1	12.59	9.3	12.30	12.4	13.70	8.0
2	11.18	4.7	10.80	6.6	11.90	5.4
3	13.37	5.9	11.17	9.5	14.02	6.9
4	12.81	15.7	—	—	—	—
5	15.73	10.5	—	—	—	—
Personal service	14.32	12.2	15.08	14.9	11.45	5.7

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, New York-Northern New Jersey-Long Island, NY-NJ-CT-PA, August 1998** — 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—Continued						
1	\$7.55	11.8	\$7.55	11.8	—	—
2	8.28	3.0	8.11	2.5	—	—
3	10.46	3.9	—	—	\$10.71	5.5
4	10.82	9.0	10.58	11.5	—	—
Early childhood teachers' assistants	10.81	8.2	9.63	9.6	—	—
Child care workers, n.e.c.	8.73	6.1	8.52	5.9	—	—
4	8.51	6.1	8.31	5.5	—	—
Service, n.e.c.	10.75	17.7	10.61	19.6	—	—
3	11.47	4.9	—	—	—	—

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

² Each occupation for which data are collected in an establishment is evaluated based on 10 factors, including knowledge, complexity, work environment, etc. Points are assigned based on the occupation's rank within each factor. The points are summed to determine the overall level of the occupation. See appendices 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, New York-Northern New Jersey-Long Island, NY-NJ-CT-PA, August 1998**

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	\$11.75	6.0	\$11.36	7.2	\$13.95	7.1
All excluding sales	12.58	6.6	12.28	8.1	13.95	7.1
White collar	14.77	7.3	14.23	8.7	17.88	11.8
1	6.83	5.6	7.08	4.5	—	—
2	7.18	4.8	7.11	5.0	8.82	4.3
3	9.21	2.9	9.19	3.0	9.97	7.3
4	9.38	4.5	9.08	4.6	11.48	7.1
5	15.26	5.0	15.02	11.3	15.37	5.0
6	15.14	3.5	15.09	3.5	—	—
7	19.91	13.7	22.32	12.7	14.65	8.4
8	30.06	5.7	23.20	5.2	—	—
9	32.96	18.8	33.71	19.1	20.70	4.8
11	38.37	11.2	38.37	11.2	—	—
12	43.45	16.0	33.82	8.1	—	—
13	55.82	7.2	55.82	7.2	—	—
Not able to be leveled	24.20	31.9	27.56	33.9	—	—
White collar excluding sales	18.21	8.6	18.30	10.4	17.88	11.8
1	7.01	10.9	—	—	—	—
2	8.54	5.6	8.50	6.3	8.82	4.3
3	9.98	2.6	9.98	2.7	9.97	7.3
4	10.62	3.3	10.36	3.4	11.48	7.1
5	15.57	4.6	16.06	11.0	15.37	5.0
6	15.14	3.5	15.09	3.5	—	—
7	19.91	13.7	22.32	12.7	14.65	8.4
8	30.06	5.7	23.20	5.2	—	—
9	33.25	19.0	34.04	19.4	20.70	4.8
11	38.37	11.2	38.37	11.2	—	—
12	43.45	16.0	33.82	8.1	—	—
13	55.82	7.2	55.82	7.2	—	—
Not able to be leveled	24.79	32.2	28.55	33.9	—	—
Professional specialty and technical	28.04	8.5	27.42	9.6	31.23	21.7
Professional specialty	31.45	9.0	30.55	10.3	36.15	22.3
5	19.84	20.9	20.08	20.9	—	—
6	13.78	6.2	12.99	3.5	—	—
7	16.77	10.3	19.32	7.3	13.76	12.6
8	32.33	7.2	23.80	5.6	—	—
9	34.55	20.2	34.64	20.3	—	—
11	38.60	11.5	38.60	11.5	—	—
12	48.31	17.0	—	—	—	—
13	59.03	5.6	59.03	5.6	—	—
Not able to be leveled	28.54	32.8	32.65	33.5	—	—
Engineers, architects, and surveyors	—	—	—	—	—	—
Mathematical and computer scientists	—	—	—	—	—	—
Health related	29.40	4.2	29.38	4.3	—	—
7	23.87	4.5	24.02	5.5	—	—
8	24.51	5.7	24.51	5.7	—	—
9	26.36	4.6	26.33	4.6	—	—
13	59.03	5.6	59.03	5.6	—	—
Physicians	53.33	7.4	53.33	7.4	—	—
13	59.03	5.6	59.03	5.6	—	—
Registered nurses	26.07	3.6	26.09	3.6	—	—
7	25.27	3.1	—	—	—	—
8	24.98	6.2	24.98	6.2	—	—
9	26.49	4.8	26.45	4.9	—	—
Teachers, college and university	99.04	11.5	—	—	—	—
Teachers, except college and university	15.96	10.3	17.80	11.0	13.12	11.0
6	13.58	6.4	12.78	3.1	—	—
7	14.18	15.1	—	—	—	—
Elementary school teachers	20.20	6.3	—	—	—	—
Teachers, n.e.c.	16.69	15.4	17.23	19.4	—	—
6	13.04	2.9	13.04	2.9	—	—
Substitute teachers	11.23	7.8	—	—	—	—
Librarians, archivists, and curators	—	—	—	—	—	—

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, New York-Northern New Jersey-Long Island, NY-NJ-CT-PA, August 1998** — Continued

Occupation and level	Total		Private industry		State and local government	
	Mean	Relative error ⁵ (percent)	Mean	Relative error ⁵ (percent)	Mean	Relative error ⁵ (percent)
White collar —Continued						
Professional specialty and technical —Continued						
Professional specialty —Continued						
Social scientists and urban planners	—	—	—	—	—	—
Social, recreation, and religious workers	\$16.40	8.8	—	—	—	—
Lawyers and judges	—	—	—	—	—	—
Writers, authors, entertainers, athletes, and professionals, n.e.c.	26.91	34.1	\$30.27	36.2	—	—
Not able to be leveled	28.77	37.0	33.78	38.2	—	—
Athletes	15.33	6.4	15.22	10.6	—	—
Not able to be leveled	15.33	6.4	15.22	10.6	—	—
Technical	16.69	5.0	16.99	5.7	\$15.15	9.7
5	15.44	6.7	15.22	7.2	—	—
6	16.59	8.5	16.59	8.5	—	—
7	16.62	3.2	16.40	5.4	—	—
Clinical laboratory technologists and technicians	18.48	21.4	18.48	21.4	—	—
Radiologic technicians	22.52	7.4	22.52	7.4	—	—
Licensed practical nurses	17.46	3.4	17.65	4.6	—	—
7	16.32	3.5	—	—	—	—
Health technologists and technicians, n.e.c.	13.47	4.4	13.89	3.5	—	—
Executive, administrative, and managerial	22.05	12.4	23.76	18.2	—	—
Executives, administrators, and managers	23.80	18.3	23.80	18.3	—	—
Management related	—	—	—	—	—	—
Sales	7.57	3.3	7.57	3.3	—	—
1	6.67	2.8	6.67	2.8	—	—
2	6.42	4.5	6.42	4.5	—	—
3	8.39	4.2	8.39	4.2	—	—
4	7.85	6.4	7.85	6.4	—	—
Sales workers, apparel	8.11	8.0	8.11	8.0	—	—
Sales workers, other commodities	7.31	4.8	7.31	4.8	—	—
2	6.08	6.2	6.08	6.2	—	—
3	8.10	3.6	8.10	3.6	—	—
4	7.66	4.8	7.66	4.8	—	—
Cashiers	7.01	3.3	7.01	3.3	—	—
2	6.72	5.5	6.72	5.5	—	—
3	7.72	4.4	7.72	4.4	—	—
Sales support, n.e.c.	10.62	21.8	10.62	21.8	—	—
Administrative support, including clerical	11.37	8.4	11.19	9.8	11.91	15.9
1	7.01	10.9	—	—	—	—
2	8.54	5.6	8.50	6.3	8.82	4.3
3	10.00	2.7	10.00	2.8	9.97	7.3
4	10.58	3.5	10.32	3.5	11.54	8.1
5	15.08	5.3	12.75	2.9	—	—
Secretaries	14.01	5.2	14.57	3.3	—	—
Interviewers	12.59	4.2	—	—	—	—
Receptionists	9.57	9.7	9.57	9.7	—	—
2	8.79	6.8	8.79	6.8	—	—
Library clerks	10.35	2.6	—	—	8.54	4.9
2	7.62	3.8	—	—	7.62	3.8
Bookkeepers, accounting and auditing clerks	9.13	3.3	9.13	3.3	—	—
General office clerks	8.47	12.6	9.84	4.7	—	—
2	8.11	15.0	8.11	15.0	—	—
3	10.06	4.2	9.97	4.5	—	—
4	10.35	8.5	10.35	8.5	—	—
Bank tellers	11.07	3.9	11.07	3.9	—	—
Data entry keyers	10.02	6.8	10.02	6.8	—	—
Teachers' aides	14.45	8.7	—	—	—	—
Administrative support, n.e.c.	9.38	11.7	9.44	12.9	—	—
Blue collar	10.01	11.5	9.96	12.1	10.91	19.1

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, New York-Northern New Jersey-Long Island, NY-NJ-CT-PA, August 1998** — 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						
1	\$6.89	6.5	\$6.86	7.2	—	—
2	6.95	9.7	6.95	9.7	—	—
3	9.50	7.9	9.05	7.0	—	—
4	11.38	5.2	11.38	5.2	—	—
Precision production, craft, and repair	—	—	—	—	—	—
Machine operators, assemblers, and inspectors	9.14	8.9	8.94	9.5	—	—
Transportation and material moving	10.42	12.5	10.04	13.2	—	—
4	11.67	6.3	11.67	6.3	—	—
Truck drivers	11.97	6.5	11.97	6.5	—	—
Handlers, equipment cleaners, helpers, and laborers	7.62	5.6	7.67	5.9	—	—
1	6.83	6.7	6.84	7.3	—	—
2	7.72	7.3	7.72	7.3	—	—
3	8.30	9.6	8.30	9.6	—	—
Stock handlers and baggers	7.58	6.0	7.58	6.0	—	—
1	6.67	8.0	6.67	8.0	—	—
2	8.35	8.6	8.35	8.6	—	—
Freight, stock, and material handlers, n.e.c.	8.82	10.4	8.82	10.4	—	—
Hand packers and packagers	6.71	5.7	6.71	5.7	—	—
Service	8.09	3.6	7.63	3.8	\$10.00	4.0
1	7.44	5.2	7.35	5.3	8.63	4.6
2	7.42	6.5	6.39	6.4	9.63	1.6
3	8.32	6.7	7.79	6.0	11.30	7.3
4	9.97	4.6	9.56	5.4	11.20	4.6
5	11.65	14.9	13.03	12.9	—	—
Protective service	9.58	7.4	8.52	6.6	11.99	2.9
3	9.80	8.0	—	—	—	—
Guards and police, except public service	8.57	6.3	8.55	6.6	—	—
3	8.91	4.4	—	—	—	—
Food service	6.34	7.2	5.72	5.3	10.04	3.5
1	5.26	10.3	5.04	10.7	—	—
2	6.32	11.9	5.35	7.4	—	—
3	6.58	8.1	6.55	8.1	—	—
Waiters and waitresses	4.72	16.3	4.72	16.3	—	—
2	3.71	14.6	3.71	14.6	—	—
Kitchen workers, food preparation	7.78	5.2	7.78	5.2	—	—
Waiters'/Waitresses' assistants	3.95	12.1	3.95	12.1	—	—
Food preparation, n.e.c.	6.84	9.6	5.86	3.8	9.98	4.0
2	6.86	13.6	—	—	—	—
Health service	9.18	4.5	9.16	4.6	—	—
2	8.23	4.8	8.23	4.8	—	—
3	8.37	6.9	8.35	7.1	—	—
4	10.74	5.5	10.70	5.7	—	—
Health aides, except nursing	9.63	11.1	9.46	11.8	—	—
Nursing aides, orderlies and attendants	9.12	4.8	9.13	4.9	—	—
2	8.16	5.4	8.16	5.4	—	—
3	8.48	7.6	8.46	7.9	—	—
4	10.60	6.0	10.60	6.0	—	—
Cleaning and building service	7.98	6.9	7.91	6.8	—	—
1	8.21	8.9	—	—	—	—
Janitors and cleaners	8.02	7.1	7.95	7.1	—	—
1	8.18	8.9	—	—	—	—

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, New York-Northern New Jersey-Long Island, NY-NJ-CT-PA, August 1998** — 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	\$9.15	4.3	\$9.13	8.4	\$9.17	2.4
1	7.80	8.4	—	—	—	—
2	8.83	4.2	—	—	—	—
4	8.76	5.2	8.42	6.0	—	—
Early childhood teachers' assistants	9.50	16.5	—	—	—	—
Child care workers, n.e.c.	9.10	2.5	—	—	9.47	1.1
Service, n.e.c.	8.85	17.7	9.29	20.8	—	—

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 appendices 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, New York-Northern New Jersey-Long Island, NY-NJ-CT-PA, August 1998**

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	\$21.44	\$11.75	\$19.47	\$21.46	\$20.57	\$19.79
All excluding sales	21.51	12.58	19.68	21.76	20.83	16.95
White collar	25.46	14.77	24.07	24.94	24.68	23.13
White-collar excluding sales	25.86	18.21	24.85	25.74	25.43	24.87
Professional specialty and technical	30.22	28.04	31.70	28.76	30.03	—
Professional specialty	31.88	31.45	32.95	30.95	31.79	—
Technical	22.67	16.69	25.87	19.40	22.23	—
Executive, administrative, and managerial	34.46	22.05	26.79	36.03	34.42	—
Sales	19.95	7.57	12.35	17.80	14.74	22.59
Administrative support, including clerical	15.07	11.37	15.73	14.16	14.72	16.52
Blue collar	15.00	10.01	16.03	12.60	14.74	13.66
Precision production, craft, and repair	20.90	—	21.73	19.20	20.90	—
Machine operators, assemblers, and inspectors	10.86	9.14	11.56	9.95	10.95	—
Transportation and material moving	15.83	10.42	16.15	13.42	15.05	—
Handlers, equipment cleaners, helpers, and laborers	12.75	7.62	13.93	9.36	12.08	—
Service	14.31	8.09	15.01	9.51	13.23	—
	Relative error ⁶ (percent)					
All occupations	1.8	6.0	2.1	2.6	1.8	7.7
All excluding sales	1.8	6.6	2.2	2.6	1.8	11.6
White collar	1.9	7.3	2.5	2.5	1.9	7.9
White-collar excluding sales	1.8	8.6	2.6	2.4	1.8	17.6
Professional specialty and technical	1.9	8.5	3.3	2.2	1.9	—
Professional specialty	1.8	9.0	2.9	2.3	1.8	—
Technical	7.6	5.0	14.3	2.7	7.2	—
Executive, administrative, and managerial	2.8	12.4	7.9	2.7	2.9	—
Sales	8.3	3.3	11.3	9.5	11.0	8.7
Administrative support, including clerical	1.6	8.4	2.1	2.0	1.7	5.0
Blue collar	2.8	11.5	3.3	4.2	2.8	11.3
Precision production, craft, and repair	2.6	—	2.6	4.7	2.6	—
Machine operators, assemblers, and inspectors	4.0	8.9	5.8	4.9	4.0	—
Transportation and material moving	4.0	12.5	5.0	7.8	4.8	—
Handlers, equipment cleaners, helpers, and laborers	4.8	5.6	5.0	5.2	5.2	—
Service	4.0	3.6	4.6	4.8	3.9	—

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

² 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, New York-Northern New Jersey-Long Island, NY-NJ-CT-PA, August 1998

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	\$19.66	\$19.19	\$19.04	\$26.67	\$18.67	-	-	-	-	-
All excluding sales	19.89	19.09	18.54	26.67	18.56	-	-	-	-	-
White collar	24.07	27.15	22.41	28.22	27.08	-	-	-	-	-
White-collar excluding sales	25.02	27.19	21.42	28.22	27.12	-	-	-	-	-
Professional specialty and technical	28.69	29.80	-	25.64	29.91	-	-	-	-	-
Professional specialty	30.38	32.28	-	-	32.36	-	-	-	-	-
Technical	23.13	20.32	-	-	20.50	-	-	-	-	-
Executive, administrative, and managerial	36.11	36.34	-	36.50	36.32	-	-	-	-	-
Sales	16.48	25.95	-	-	25.93	-	-	-	-	-
Administrative support, including clerical	14.72	14.82	15.94	15.07	14.80	-	-	-	-	-
Blue collar	14.21	13.02	-	25.39	12.15	-	-	-	-	-
Precision production, craft, and repair	20.76	19.64	-	28.23	17.40	-	-	-	-	-
Machine operators, assemblers, and inspectors	10.79	10.85	-	-	10.84	-	-	-	-	-
Transportation and material moving	14.83	16.07	-	-	14.50	-	-	-	-	-
Handlers, equipment cleaners, helpers, and laborers	11.47	10.37	-	-	10.17	-	-	-	-	-
Service	10.15	9.71	-	-	9.71	-	-	-	-	-
	Relative error ⁵ (percent)									
All occupations	2.3	4.4	10.3	7.0	4.7	-	-	-	-	-
All excluding sales	2.3	4.4	10.4	7.0	4.7	-	-	-	-	-
White collar	2.3	3.7	13.7	6.7	3.9	-	-	-	-	-
White-collar excluding sales	2.2	3.7	15.9	6.7	4.0	-	-	-	-	-
Professional specialty and technical	2.3	4.3	-	24.5	4.4	-	-	-	-	-
Professional specialty	2.0	4.5	-	-	4.6	-	-	-	-	-
Technical	8.0	4.5	-	-	4.5	-	-	-	-	-
Executive, administrative, and managerial	2.7	3.8	-	5.2	4.3	-	-	-	-	-
Sales	8.3	12.4	-	-	12.5	-	-	-	-	-
Administrative support, including clerical	1.9	3.2	11.4	11.5	3.3	-	-	-	-	-
Blue collar	3.0	4.0	-	9.4	3.9	-	-	-	-	-
Precision production, craft, and repair	2.9	5.0	-	3.8	4.7	-	-	-	-	-
Machine operators, assemblers, and inspectors	4.0	4.3	-	-	4.3	-	-	-	-	-
Transportation and material moving	4.6	11.7	-	-	11.9	-	-	-	-	-
Handlers, equipment cleaners, helpers, and laborers	5.6	5.9	-	-	6.2	-	-	-	-	-
Service	3.6	7.8	-	-	7.8	-	-	-	-	-

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

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

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

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

NOTE: Dashes indicate that no data were reported or that data did not meet publication criteria. 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 5-3. Establishment employment size: Mean hourly earnings¹ by occupational group,² private industry, National Compensation Survey, New York-Northern New Jersey-Long Island, NY-NJ-CT-PA, August 1998

Occupational group	Full-time and part-time workers				
	All private industry workers	50 - 99 workers	100 workers or more		
			Total	100 - 499 workers	500 workers or more
	Mean				
All occupations	\$19.66	\$16.30	\$20.50	\$17.70	\$23.40
All excluding sales	19.89	16.32	20.76	18.13	23.30
White collar	24.07	20.17	24.95	21.79	27.63
White-collar excluding sales	25.02	20.94	25.88	23.44	27.67
Professional specialty and technical	28.69	23.82	29.41	27.07	30.41
Professional specialty	30.38	25.41	31.19	29.99	31.64
Technical	23.13	15.90	23.87	20.65	25.88
Executive, administrative, and managerial	36.11	34.72	36.39	32.74	39.99
Sales	16.48	16.12	16.62	13.81	26.67
Administrative support, including clerical	14.72	12.45	15.35	14.78	15.88
Blue collar	14.21	12.28	14.88	13.73	17.64
Precision production, craft, and repair	20.76	17.22	21.83	21.06	22.83
Machine operators, assemblers, and inspectors	10.79	9.19	11.43	10.47	14.85
Transportation and material moving	14.83	15.40	14.62	15.12	13.54
Handlers, equipment cleaners, helpers, and laborers	11.47	10.19	11.86	11.41	13.40
Service	10.15	9.11	10.38	9.54	11.09
	Relative error ³ (percent)				
All occupations	2.3	4.4	2.6	3.1	3.8
All excluding sales	2.3	4.8	2.6	3.3	3.6
White collar	2.3	4.7	2.5	3.1	3.4
White-collar excluding sales	2.2	5.1	2.4	3.2	3.2
Professional specialty and technical	2.3	3.9	2.5	4.4	2.9
Professional specialty	2.0	4.3	2.1	5.2	2.1
Technical	8.0	7.5	8.5	5.0	12.4
Executive, administrative, and managerial	2.7	5.9	3.1	3.3	3.9
Sales	8.3	13.2	10.5	7.1	22.1
Administrative support, including clerical	1.9	3.3	2.1	3.3	2.6
Blue collar	3.0	5.9	3.5	4.4	5.0
Precision production, craft, and repair	2.9	6.2	2.9	4.6	3.0
Machine operators, assemblers, and inspectors	4.0	6.5	4.8	5.0	7.5
Transportation and material moving	4.6	8.9	5.3	5.6	12.5
Handlers, equipment cleaners, helpers, and laborers	5.6	10.4	6.6	8.5	5.8
Service	3.6	7.3	4.2	4.8	6.5

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

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

³ 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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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 New York-Northern New Jersey-Long Island, NY-NJ-CT-PA, Metropolitan Statistical Area includes Bronx, Dutchess, Kings, Nassau, New York, Orange, Putnam, Queens, Richmond, Rockland, Suffolk, and Westchester Counties, NY; Bergen, Essex, Hudson, Hunterdon, Mercer, Middlesex, Monmouth, Morris, Ocean, Passaic, Somerset, Sussex, Union, and Warren Counties, NJ; Fairfield County, the towns of Bethlehem, Bridgewater, New Milford, Roxbury, Thomaston, Washington, Watertown, and Woodbury in Litchfield County, the towns of Clinton and Killingworth in Middlesex County, and New Haven County, CT; and Pike County, PA.

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 avail-

able at the time the sample was selected. The sampling frame was reviewed prior to the survey and, when necessary, missing establishments were added, out-of-business and out-of-scope establishments were removed, and addresses, employment levels, industry classification, and other information were updated.

Sample design

The sample for this survey area was selected using a two-stage stratified design with probability proportional to employment sampling at each stage. The first stage of sample selection was a probability sample of establishments. The sample of establishments was drawn by first stratifying the sampling frame by industry and ownership. The number of sample establishments allocated to each stratum is approximately proportional to the stratum employment. Each sampled establishment is selected within a stratum with a probability proportional to its employment. Use of this technique means that the larger an establishment's employment, the greater its chance of selection. Weights were applied to each establishment when the data were tabulated so that it represents similar units (by industry and employment size) in the economy which were not selected for collection. See appendix table 1 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 multi-step process:

1. Probability-proportional-to-size selection of establishment jobs
2. Classification of jobs into occupations based on the Census of Population system
3. Characterization of jobs as full-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. This is a major departure from the method used in the past in the Bureau's Occupational Compensation Surveys which studied specifically defined occupations with leveling definitions unique to each occupation.

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 which written description 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 average 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 ge-

neric 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. Detailed research continues in the area and will be published by BLS in the future.

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 (e.g., Christmas and profit-sharing bonuses)
- Uniform and tool allowances
- Free room and board
- Payments made by third parties (e.g., tips, bonuses given by manufacturers to department store salespeople, referral incentives in real estate)
- On-call pay

To calculate earnings for various time periods (hourly, weekly, and annual), data on work schedules were also collected. For hourly workers, scheduled hours worked per day and per week, exclusive of overtime, were recorded. Annual weeks worked were determined. Because salaried

workers, exempt from overtime provisions, often work beyond the assigned work schedule, their typical number of hours actually worked was collected.

Definition of terms

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

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

Level. A ranking of an occupation based on the requirements of the position. (See the description in the technical note and the example 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 mem-

ber, 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

	Establish- ments
Total in sample	1039
Responding	650
Out of business or not in survey scope	73
Unable or refused to pro- vide data	316

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 number of workers; the sample weight adjusted for nonresponding establishments and other factors; and the occupation work schedule, varying depending on whether hourly, weekly, or annual rates are being calculated.

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 publishing 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 only to indicate 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 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 was \$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, New York-Northern New Jersey-Long Island, NY-NJ-CT-PA, August 1998**

Occupational group	Full-time and part-time workers		
	Total	Private industry	State and local government
All occupations	4,514,300	3,403,400	1,111,000
All excluding sales	4,235,600	3,128,800	1,106,800
White collar	2,797,300	2,086,400	710,900
White-collar excluding sales	2,518,600	1,811,900	706,700
Professional specialty and technical	1,021,600	631,500	390,100
Professional specialty	846,600	485,500	361,100
Technical	175,000	146,000	29,000
Executive, administrative, and managerial	568,200	449,400	118,800
Sales	278,700	274,500	—
Administrative support, including clerical	928,800	730,900	197,800
Blue collar	805,700	704,300	101,400
Precision production, craft, and repair	219,500	182,700	36,800
Machine operators, assemblers, and inspectors	231,600	228,800	—
Transportation and material moving	144,800	112,800	31,900
Handlers, equipment cleaners, helpers, and laborers	209,800	179,900	29,900
Service	911,300	612,700	298,600

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

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

See appendix B for more information.

NOTE: Dashes indicate that no data were reported or that data did not meet publication criteria. 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, New York-Northern New Jersey-Long Island, NY-NJ-CT-PA, August 1998**

Industry	Number of establishments represented ¹	Number of establishments studied				
		Total studied	50 - 99 workers	100 workers or more		
				Total	100 - 499 workers	500 workers or more
All industries	22,300	639	152	487	241	246
Private industry	21,000	553	146	407	223	184
Goods-producing industries	4,300	123	35	88	54	34
Mining	(²)	4	2	2	2	-
Construction	500	12	3	9	8	1
Manufacturing	3,800	107	30	77	44	33
Service-producing industries	16,700	430	111	319	169	150
Transportation and public utilities	1,400	45	8	37	22	15
Wholesale and retail trade	6,200	104	45	59	51	8
Finance, insurance and real estate	2,400	44	11	33	11	22
Services	6,800	237	47	190	85	105
State and local government	1,200	86	6	80	18	62

¹ Number of establishments represented by the survey rounded to the nearest 100.
² 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.