

Orlando, FL 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 Orlando, FL, 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, Orlando, FL, 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	\$12.10	2.8	37.0	\$11.51	3.4	37.0	\$15.50	3.6	37.3
Worker characteristics:⁴									
White-collar occupations ⁵	15.42	3.3	37.1	15.04	4.1	37.3	16.95	4.5	36.2
Professional specialty and technical	20.00	3.8	36.0	19.96	5.2	37.2	20.09	3.1	33.3
Executive, administrative, and managerial	23.11	5.8	41.4	23.50	6.5	42.2	21.97	12.4	39.4
Sales	11.49	8.9	33.6	11.53	9.0	33.6	—	—	—
Administrative support	10.40	3.2	38.5	10.37	3.7	38.4	10.51	6.1	38.9
Blue-collar occupations ⁵	10.75	3.4	38.6	10.64	3.6	38.7	12.41	4.1	37.2
Precision production, craft, and repair	13.37	6.8	40.1	13.26	7.5	40.1	14.40	4.4	40.1
Machine operators, assemblers, and inspectors	10.04	6.9	39.9	10.04	6.9	39.9	—	—	—
Transportation and material moving	9.25	4.8	36.9	9.06	5.5	37.6	10.96	3.6	31.9
Handlers, equipment cleaners, helpers, and laborers	9.24	6.0	37.4	9.23	6.3	37.3	9.56	4.2	39.9
Service occupations ⁵	7.73	4.4	35.9	6.94	5.1	35.3	13.03	4.6	40.5
Full time	12.64	3.0	40.0	12.07	3.6	40.1	15.68	3.6	39.8
Part time	7.51	4.3	22.5	7.03	3.9	22.9	12.67	15.4	18.8
Union	11.65	6.3	39.4	—	—	—	15.87	5.3	39.0
Nonunion	12.23	3.2	36.4	11.99	3.5	36.5	14.98	4.4	35.2
Time	11.90	2.7	36.9	11.25	3.3	36.8	15.50	3.6	37.3
Incentive	16.54	11.8	41.0	16.54	11.8	41.0	—	—	—
Establishment characteristics:									
Goods producing	(⁶)	(⁶)	(⁶)	15.63	7.5	40.0	(⁶)	(⁶)	(⁶)
Service producing	(⁶)	(⁶)	(⁶)	—	—	—	(⁶)	(⁶)	(⁶)
50-99 workers	12.21	8.3	38.2	12.23	8.3	38.2	—	—	—
100-499 workers	11.15	5.4	37.8	11.00	5.8	37.6	13.98	4.2	40.5
500 workers or more	12.61	3.6	36.3	11.59	4.8	36.1	15.73	4.0	37.0

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, 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 ALL INDUSTRIES, PRIVATE INDUSTRY, AND STATE AND LOCAL GOVERNMENT 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, Orlando, FL, 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	\$12.10	2.8	\$11.51	3.4	\$15.50	3.6
All excluding sales	12.16	2.9	11.51	3.5	15.57	3.6
White collar	15.42	3.3	15.04	4.1	16.95	4.5
White collar excluding sales	16.29	3.5	16.04	4.5	17.07	4.5
Professional specialty and technical	20.00	3.8	19.96	5.2	20.09	3.1
Professional specialty	21.49	4.2	22.16	6.2	20.38	3.2
Engineers, architects, and surveyors	29.60	6.4	30.25	6.5	—	—
Civil engineers	23.08	9.5	—	—	—	—
Electrical and electronic engineers	27.60	7.2	27.60	7.6	—	—
Mathematical and computer scientists	27.61	7.6	27.61	7.6	—	—
Computer systems analysts and scientists	28.08	7.8	28.08	7.8	—	—
Natural scientists	—	—	—	—	—	—
Health related	18.85	2.2	18.88	2.3	—	—
Registered nurses	18.91	2.1	18.94	2.2	—	—
Teachers, college and university	26.07	7.2	17.30	10.1	28.06	8.8
Teachers, except college and university	20.18	3.5	15.89	3.7	20.48	3.6
Elementary school teachers	20.10	3.2	—	—	—	—
Secondary school teachers	19.95	5.6	—	—	—	—
Vocational and educational counselors	17.37	8.1	—	—	—	—
Librarians, archivists, and curators	16.39	8.8	—	—	16.39	8.8
Librarians	16.39	8.8	—	—	16.39	8.8
Social scientists and urban planners	22.38	8.5	—	—	—	—
Social, recreation, and religious workers	12.27	5.5	—	—	—	—
Social workers	12.24	6.1	—	—	—	—
Lawyers and judges	—	—	—	—	—	—
Writers, authors, entertainers, athletes, and professionals, n.e.c.	15.96	17.6	15.98	17.7	—	—
Technical	16.10	5.9	16.16	6.2	15.27	5.4
Clinical laboratory technologists and technicians	17.84	23.9	17.84	23.9	—	—
Licensed practical nurses	12.12	3.2	12.12	3.2	—	—
Health technologists and technicians, n.e.c.	8.76	4.1	8.76	4.1	—	—
Electrical and electronic technicians	17.61	5.2	17.86	5.3	—	—
Engineering technicians, n.e.c.	20.41	12.2	—	—	—	—
Drafters	14.49	10.6	14.49	10.6	—	—
Executive, administrative, and managerial	23.11	5.8	23.50	6.5	21.97	12.4
Executives, administrators, and managers	24.24	6.6	23.90	7.6	25.25	13.0
Financial managers	24.31	15.8	—	—	—	—
Managers, marketing, advertising, and public relations	18.92	8.7	18.84	8.8	—	—
Administrators, education and related fields	22.22	17.5	20.02	17.4	22.46	19.1
Managers, medicine and health	22.18	10.6	—	—	—	—
Managers and administrators, n.e.c.	25.10	13.8	25.38	14.2	—	—
Management related	20.05	9.4	22.39	9.5	13.71	10.1
Accountants and auditors	22.14	12.1	22.53	12.6	—	—
Management analysts	27.12	14.1	27.12	14.1	—	—
Personnel, training, and labor relations specialists	12.20	13.6	—	—	—	—
Management related, n.e.c.	21.07	16.5	23.02	18.2	—	—
Sales	11.49	8.9	11.53	9.0	—	—
Supervisors, sales	11.73	7.0	11.73	7.0	—	—
Sales workers, other commodities	10.25	16.1	10.25	16.1	—	—
Cashiers	6.77	2.8	6.64	2.4	—	—
Administrative support, including clerical	10.40	3.2	10.37	3.7	10.51	6.1
Supervisors, general office	13.58	14.2	—	—	—	—
Secretaries	10.77	3.0	10.77	3.4	10.75	5.7
Typists	11.13	8.3	—	—	—	—
Receptionists	7.65	1.6	7.65	1.6	—	—
Library clerks	8.71	6.7	—	—	—	—
Bookkeepers, accounting and auditing clerks	10.31	4.7	9.89	5.0	—	—
Telephone operators	9.62	15.8	9.62	15.8	—	—
Dispatchers	11.54	7.1	—	—	12.79	5.9

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, Orlando, FL, 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						
Stock and inventory clerks	\$9.67	6.8	\$9.17	7.7	—	—
General office clerks	10.49	7.1	10.73	8.3	\$9.38	1.6
Teachers' aides	6.78	3.2	—	—	—	—
Administrative support, n.e.c.	11.31	4.0	10.43	5.7	12.19	2.4
Blue collar	10.75	3.4	10.64	3.6	12.41	4.1
Precision production, craft, and repair	13.37	6.8	13.26	7.5	14.40	4.4
Automobile mechanics	17.28	12.4	17.50	12.7	—	—
Industrial machinery repairers	14.69	12.8	—	—	—	—
Mechanics and repairers, n.e.c.	12.09	7.5	11.54	9.5	14.11	5.5
Electricians	13.86	8.2	—	—	—	—
Inspectors, testers, and graders	13.63	14.4	13.36	15.0	—	—
Machine operators, assemblers, and inspectors	10.04	6.9	10.04	6.9	—	—
Laundering and dry cleaning machine operators	6.55	4.5	6.55	4.5	—	—
Assemblers	10.31	7.4	10.31	7.4	—	—
Transportation and material moving	9.25	4.8	9.06	5.5	10.96	3.6
Truck drivers	9.31	10.5	9.10	10.6	—	—
Miscellaneous material moving equipment						
operators, n.e.c.	11.71	6.6	—	—	—	—
Handlers, equipment cleaners, helpers, and laborers	9.24	6.0	9.23	6.3	9.56	4.2
Groundskeepers and gardeners, except farm	8.49	3.7	—	—	—	—
Construction laborers	8.91	4.9	8.81	5.4	—	—
Stock handlers and baggers	6.85	3.4	6.85	3.4	—	—
Freight, stock, and material handlers, n.e.c.	8.84	7.5	8.84	7.5	—	—
Laborers, except construction, n.e.c.	11.36	4.6	11.40	4.5	—	—
Service	7.73	4.4	6.94	5.1	13.03	4.6
Protective service	11.38	5.4	8.29	10.2	14.48	3.7
Supervisors, firefighters and fire prevention	18.62	13.2	—	—	18.62	13.2
Supervisors, police and detectives	21.85	7.0	—	—	21.85	7.0
Firefighting	12.96	8.2	—	—	12.96	8.2
Police and detectives, public service	15.68	3.6	—	—	15.68	3.6
Sheriffs, bailiffs, and other law enforcement						
officers	12.82	6.0	—	—	12.82	6.0
Guards and police, except public service	8.34	10.8	8.33	11.2	—	—
Protective service, n.e.c.	8.49	15.5	—	—	10.53	14.4
Food service	5.92	8.4	5.90	8.5	—	—
Supervisors, food preparation and service	15.58	10.9	15.58	10.9	—	—
Bartenders	4.12	8.2	4.12	8.2	—	—
Waiters and waitresses	2.92	8.2	2.92	8.2	—	—
Cooks	8.19	7.4	8.19	7.4	—	—
Kitchen workers, food preparation	7.95	6.4	7.96	6.4	—	—
Waiters/Waitresses' assistants	6.04	14.8	6.04	14.8	—	—
Food preparation, n.e.c.	6.61	5.4	6.45	5.4	—	—
Health service	7.66	1.8	7.66	1.8	—	—
Health aides, except nursing	8.05	4.6	8.07	4.7	—	—
Nursing aides, orderlies and attendants	7.51	1.2	7.51	1.2	—	—
Cleaning and building service	7.58	2.7	7.32	3.0	9.44	7.8
Supervisors, cleaning and building service						
workers	13.20	11.7	—	—	—	—
Maids and housemen	6.89	4.4	6.89	4.4	—	—
Janitors and cleaners	7.84	3.4	7.51	4.9	8.84	5.4

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, Orlando, FL, 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)
Service —Continued						
Personal service	\$8.70	10.6	\$8.69	10.9	—	—
Attendants, amusement, and recreation facilities	7.11	5.3	7.11	5.3	—	—
Service, n.e.c.	6.12	4.1	6.12	4.1	—	—

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

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

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

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

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

NOTE: Dashes indicate that no data were reported or that data did not meet publication criteria, and n.e.c. means "not elsewhere classified." Overall occupational groups may include data for categories not shown separately. IN THIS SURVEY, THE NONRESPONSE RATE FOR ALL INDUSTRIES, PRIVATE INDUSTRY, AND STATE AND LOCAL GOVERNMENT 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, Orlando, FL, 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	\$12.64	3.0	\$12.07	3.6	\$15.68	3.6
All excluding sales	12.56	3.1	11.93	3.7	15.75	3.6
White collar	16.11	3.4	15.87	4.2	17.01	4.5
White collar excluding sales	16.52	3.7	16.33	4.6	17.15	4.5
Professional specialty and technical	20.29	3.8	20.51	5.1	19.76	3.3
Professional specialty	21.92	4.0	23.14	5.5	20.04	3.4
Engineers, architects, and surveyors	29.60	6.4	30.25	6.5	—	—
Civil engineers	23.08	9.5	—	—	—	—
Electrical and electronic engineers	27.60	7.2	27.60	7.6	—	—
Mathematical and computer scientists	27.61	7.6	27.61	7.6	—	—
Computer systems analysts and scientists	28.08	7.8	28.08	7.8	—	—
Natural scientists	—	—	—	—	—	—
Health related	18.61	2.4	18.64	2.4	—	—
Registered nurses	18.62	2.2	18.65	2.2	—	—
Teachers, college and university	25.12	8.8	17.41	10.7	27.35	11.3
Teachers, except college and university	20.21	3.5	16.04	3.5	20.49	3.6
Elementary school teachers	20.10	3.2	—	—	—	—
Secondary school teachers	19.95	5.6	—	—	—	—
Vocational and educational counselors	17.37	8.1	—	—	—	—
Librarians, archivists, and curators	16.39	8.8	—	—	16.39	8.8
Librarians	16.39	8.8	—	—	16.39	8.8
Social scientists and urban planners	—	—	—	—	—	—
Social, recreation, and religious workers	12.27	5.5	—	—	—	—
Social workers	12.24	6.1	—	—	—	—
Lawyers and judges	—	—	—	—	—	—
Writers, authors, entertainers, athletes, and professionals, n.e.c.	19.98	6.0	20.03	6.1	—	—
Technical	16.29	5.9	16.36	6.2	15.27	5.4
Clinical laboratory technologists and technicians	17.84	23.9	17.84	23.9	—	—
Licensed practical nurses	12.34	3.1	12.34	3.1	—	—
Electrical and electronic technicians	17.61	5.2	17.86	5.3	—	—
Engineering technicians, n.e.c.	20.41	12.2	—	—	—	—
Drafters	14.49	10.6	14.49	10.6	—	—
Executive, administrative, and managerial	23.11	5.8	23.50	6.5	21.97	12.4
Executives, administrators, and managers	24.24	6.6	23.90	7.6	25.25	13.0
Financial managers	24.31	15.8	—	—	—	—
Managers, marketing, advertising, and public relations	18.92	8.7	18.84	8.8	—	—
Administrators, education and related fields	22.22	17.5	20.02	17.4	22.46	19.1
Managers, medicine and health	22.18	10.6	—	—	—	—
Managers and administrators, n.e.c.	25.10	13.8	25.38	14.2	—	—
Management related	20.05	9.4	22.39	9.5	13.71	10.1
Accountants and auditors	22.14	12.1	22.53	12.6	—	—
Management analysts	27.12	14.1	27.12	14.1	—	—
Personnel, training, and labor relations specialists	12.20	13.6	—	—	—	—
Management related, n.e.c.	21.07	16.5	23.02	18.2	—	—
Sales	13.62	9.2	13.74	9.3	—	—
Supervisors, sales	11.73	7.0	11.73	7.0	—	—
Sales workers, hardware and building supplies ...	12.68	16.3	12.68	16.3	—	—
Sales workers, other commodities	11.12	17.9	11.12	17.9	—	—
Cashiers	7.57	3.7	7.35	3.6	—	—
Administrative support, including clerical	10.56	3.2	10.50	3.7	10.80	6.3
Supervisors, general office	13.58	14.2	—	—	—	—
Secretaries	10.81	3.0	10.84	3.4	10.75	5.7
Typists	11.27	8.8	—	—	—	—
Receptionists	7.70	2.0	7.70	2.0	—	—
Bookkeepers, accounting and auditing clerks	10.46	4.9	10.05	5.3	—	—
Telephone operators	9.66	16.0	9.66	16.0	—	—
Dispatchers	11.54	7.1	—	—	12.79	5.9
Stock and inventory clerks	9.97	7.5	9.38	9.0	—	—

See footnotes at end of table.

Table 2-2. Mean hourly earnings¹, full-time workers:² Selected occupations, private industry and State and local government, National Compensation Survey, Orlando, FL, 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						
General office clerks	\$10.71	7.2	\$11.01	8.5	\$9.38	1.6
Administrative support, n.e.c.	11.34	4.0	10.48	5.7	12.19	2.4
Blue collar	10.97	3.5	10.86	3.7	12.66	4.4
Precision production, craft, and repair						
Automobile mechanics	13.40	6.9	13.30	7.6	14.40	4.4
Industrial machinery repairers	17.28	12.4	17.50	12.7	–	–
Mechanics and repairers, n.e.c.	14.69	12.8	–	–	–	–
Electricians	12.09	7.5	11.54	9.5	14.11	5.5
Inspectors, testers, and graders	13.86	8.2	–	–	–	–
Inspectors, testers, and graders	13.63	14.4	13.36	15.0	–	–
Machine operators, assemblers, and inspectors						
Laundering and dry cleaning machine operators	10.05	7.0	10.05	7.0	–	–
Assemblers	6.55	4.5	6.55	4.5	–	–
Assemblers	10.31	7.4	10.31	7.4	–	–
Transportation and material moving						
Truck drivers	9.46	4.8	9.32	5.3	11.30	4.4
Miscellaneous material moving equipment operators, n.e.c.	9.35	10.7	9.14	10.9	–	–
Miscellaneous material moving equipment operators, n.e.c.	11.71	6.6	–	–	–	–
Handlers, equipment cleaners, helpers, and laborers						
Groundskeepers and gardeners, except farm	9.51	6.0	9.51	6.4	9.56	4.2
Construction laborers	8.49	3.7	–	–	–	–
Stock handlers and baggers	8.93	4.9	8.84	5.4	–	–
Freight, stock, and material handlers, n.e.c.	7.14	3.7	7.14	3.7	–	–
Laborers, except construction, n.e.c.	8.83	8.9	8.83	8.9	–	–
Laborers, except construction, n.e.c.	11.40	4.5	11.44	4.4	–	–
Service						
Protective service	8.07	4.8	7.18	5.7	13.38	4.6
Supervisors, firefighters and fire prevention	11.83	5.5	8.62	9.4	14.76	3.4
Supervisors, police and detectives	18.62	13.2	–	–	18.62	13.2
Firefighting	21.88	7.1	–	–	21.88	7.1
Police and detectives, public service	13.37	7.4	–	–	13.37	7.4
Sheriffs, bailiffs, and other law enforcement officers	15.68	3.6	–	–	15.68	3.6
Guards and police, except public service	12.82	6.0	–	–	12.82	6.0
Protective service, n.e.c.	8.56	10.3	8.55	10.5	–	–
Food service	9.73	14.4	–	–	–	–
Supervisors, food preparation and service	6.12	10.2	6.12	10.2	–	–
Bartenders	4.22	8.4	4.22	8.4	–	–
Cooks	8.57	7.5	8.57	7.5	–	–
Waiters/Waitresses' assistants	6.19	14.7	6.19	14.7	–	–
Food preparation, n.e.c.	6.69	3.7	6.69	3.7	–	–
Health service	7.66	1.9	7.66	1.9	–	–
Health aides, except nursing	8.18	5.5	8.21	5.6	–	–
Nursing aides, orderlies and attendants	7.48	1.2	7.48	1.2	–	–
Cleaning and building service	7.67	2.6	7.40	2.9	9.44	7.8
Supervisors, cleaning and building service workers	13.20	11.7	–	–	–	–
Maids and housemen	6.95	4.3	6.95	4.3	–	–
Janitors and cleaners	7.91	3.2	7.59	4.7	8.84	5.4

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, Orlando, FL, 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)
Service —Continued						
Personal service	\$9.19	12.7	\$9.19	13.0	—	—
Service, n.e.c.	6.12	4.1	6.12	4.1	—	—

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

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

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

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

NOTE: Dashes indicate that no data were reported or that data did not meet publication criteria, and n.e.c. means "not elsewhere classified." Overall occupational groups may include data for categories not shown separately. IN THIS SURVEY, THE NONRESPONSE RATE FOR ALL INDUSTRIES, PRIVATE INDUSTRY, AND STATE AND LOCAL GOVERNMENT 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, Orlando, FL, 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	\$7.51	4.3	\$7.03	3.9	\$12.67	15.4
All excluding sales	7.87	5.6	7.26	5.4	12.67	15.4
White collar	9.14	6.8	8.38	6.0	15.73	23.4
White collar excluding sales	12.34	10.0	11.36	10.3	15.73	23.4
Professional specialty and technical	16.38	16.5	14.02	18.2	26.86	5.1
Professional specialty	17.19	18.9	14.63	21.5	26.86	5.1
Health related	20.00	6.3	20.06	6.4	-	-
Registered nurses	20.06	6.4	20.06	6.4	-	-
Teachers, college and university	-	-	-	-	-	-
Teachers, except college and university	-	-	-	-	-	-
Social scientists and urban planners	-	-	-	-	-	-
Writers, authors, entertainers, athletes, and professionals, n.e.c.	-	-	-	-	-	-
Technical	10.41	7.1	10.41	7.1	-	-
Executive, administrative, and managerial	-	-	-	-	-	-
Executives, administrators, and managers	-	-	-	-	-	-
Sales	6.41	2.0	6.41	2.0	-	-
Cashiers	6.22	2.2	6.22	2.2	-	-
Administrative support, including clerical	7.94	3.9	8.14	5.0	-	-
Blue collar	7.39	5.5	6.99	4.5	-	-
Precision production, craft, and repair	-	-	-	-	-	-
Machine operators, assemblers, and inspectors	-	-	-	-	-	-
Transportation and material moving	7.67	10.2	6.43	5.8	-	-
Handlers, equipment cleaners, helpers, and laborers	7.11	6.7	7.11	6.7	-	-
Stock handlers and baggers	6.25	6.9	6.25	6.9	-	-
Freight, stock, and material handlers, n.e.c.	8.87	7.9	8.87	7.9	-	-
Service	5.73	4.8	5.61	4.9	7.75	2.1
Protective service	6.40	4.2	-	-	7.63	4.4
Food service	5.16	7.3	5.03	7.3	-	-
Waiters and waitresses	2.77	13.8	2.77	13.8	-	-
Health service	-	-	-	-	-	-
Cleaning and building service	-	-	-	-	-	-
Personal service	-	-	-	-	-	-

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

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

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

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

NOTE: Dashes indicate that no data were reported or that data did not meet publication criteria, and n.e.c. means "not elsewhere classified." Overall occupational groups may include data for categories not shown separately. IN THIS SURVEY, THE NONRESPONSE RATE FOR ALL INDUSTRIES, PRIVATE INDUSTRY, AND STATE AND LOCAL GOVERNMENT 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, Orlando, FL, 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	\$506	3.0	40.0	\$484	3.6	40.1	\$624	3.5	39.8
All excluding sales	502	3.0	39.9	477	3.6	40.0	627	3.5	39.8
White collar	646	3.5	40.1	642	4.3	40.5	662	4.4	38.9
White collar excluding sales	660	3.7	39.9	658	4.7	40.3	666	4.4	38.9
Professional specialty and technical	799	3.8	39.4	817	5.0	39.8	758	3.2	38.4
Professional specialty	861	4.1	39.3	926	5.5	40.0	767	3.3	38.3
Engineers, architects, and surveyors	1,191	6.2	40.2	1,219	6.2	40.3	-	-	-
Civil engineers	920	9.5	39.9	-	-	-	-	-	-
Electrical and electronic engineers	1,104	7.2	40.0	1,104	7.6	40.0	-	-	-
Mathematical and computer scientists	1,105	7.6	40.0	1,105	7.6	40.0	-	-	-
Computer systems analysts and scientists	1,123	7.8	40.0	1,123	7.8	40.0	-	-	-
Natural scientists	-	-	-	-	-	-	-	-	-
Health related	742	2.6	39.9	743	2.7	39.9	-	-	-
Registered nurses	744	2.2	39.9	745	2.2	39.9	-	-	-
Teachers, college and university	966	9.4	38.5	681	10.0	39.1	1,047	12.3	38.3
Teachers, except college and university	760	3.4	37.6	618	3.6	38.5	770	3.6	37.6
Elementary school teachers	753	3.2	37.4	-	-	-	-	-	-
Secondary school teachers	748	5.6	37.5	-	-	-	-	-	-
Vocational and educational counselors	656	7.9	37.8	-	-	-	-	-	-
Librarians, archivists, and curators	655	8.8	39.9	-	-	-	655	8.8	39.9
Librarians	655	8.8	39.9	-	-	-	655	8.8	39.9
Social scientists and urban planners	-	-	-	-	-	-	-	-	-
Social, recreation, and religious workers	491	5.5	40.0	-	-	-	-	-	-
Social workers	490	6.1	40.0	-	-	-	-	-	-
Lawyers and judges	-	-	-	-	-	-	-	-	-
Writers, authors, entertainers, athletes, and professionals, n.e.c.	802	5.9	40.2	805	5.9	40.2	-	-	-
Technical	645	5.5	39.6	648	5.8	39.6	611	5.4	40.0
Clinical laboratory technologists and technicians	714	23.9	40.0	714	23.9	40.0	-	-	-
Licensed practical nurses	496	3.3	40.2	496	3.3	40.2	-	-	-
Electrical and electronic technicians	704	5.2	40.0	714	5.3	40.0	-	-	-
Engineering technicians, n.e.c.	816	12.2	40.0	-	-	-	-	-	-
Drafters	580	10.6	40.0	580	10.6	40.0	-	-	-
Executive, administrative, and managerial	959	5.8	41.5	992	6.3	42.2	869	12.2	39.5
Executives, administrators, and managers	1,020	6.4	42.1	1,029	7.4	43.1	994	12.9	39.4
Financial managers	1,002	15.7	41.2	-	-	-	-	-	-
Managers, marketing, advertising, and public relations	757	8.7	40.0	754	8.8	40.0	-	-	-
Administrators, education and related fields	876	17.1	39.4	801	16.2	40.0	884	18.7	39.4
Managers, medicine and health	933	13.3	42.1	-	-	-	-	-	-
Managers and administrators, n.e.c.	1,106	11.9	44.1	1,123	12.2	44.2	-	-	-

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, Orlando, FL, 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	\$801	9.4	40.0	\$896	9.5	40.0	\$547	10.0	39.9
Accountants and auditors	885	12.1	40.0	901	12.6	40.0	—	—	—
Management analysts	1,085	14.1	40.0	1,085	14.1	40.0	—	—	—
Personnel, training, and labor relations specialists	488	13.6	40.0	—	—	—	—	—	—
Management related, n.e.c.	843	16.5	40.0	921	18.2	40.0	—	—	—
Sales	563	10.5	41.4	569	10.6	41.4	—	—	—
Supervisors, sales	471	7.1	40.1	471	7.1	40.1	—	—	—
Sales workers, hardware and building supplies	524	19.0	41.3	524	19.0	41.3	—	—	—
Sales workers, other commodities	445	17.9	40.0	445	17.9	40.0	—	—	—
Cashiers	303	3.7	40.0	294	3.6	40.0	—	—	—
Administrative support, including clerical	420	3.2	39.8	419	3.7	39.9	424	6.3	39.2
Supervisors, general office	549	13.9	40.4	—	—	—	—	—	—
Secretaries	431	3.0	39.9	434	3.3	40.0	427	5.5	39.7
Typists	441	10.3	39.1	—	—	—	—	—	—
Receptionists	306	1.9	39.8	306	1.9	39.8	—	—	—
Bookkeepers, accounting and auditing clerks	418	4.9	39.9	401	5.3	39.9	—	—	—
Telephone operators	379	15.0	39.3	379	15.0	39.3	—	—	—
Dispatchers	462	7.1	40.0	—	—	—	512	5.9	40.0
Stock and inventory clerks	399	7.5	40.0	375	9.0	40.0	—	—	—
General office clerks	428	7.2	40.0	440	8.5	40.0	375	1.6	40.0
Administrative support, n.e.c.	453	4.0	40.0	419	5.7	40.0	488	2.4	40.0
Blue collar	440	3.5	40.1	435	3.8	40.1	507	4.5	40.0
Precision production, craft, and repair	540	7.0	40.3	536	7.7	40.3	577	4.4	40.1
Automobile mechanics	704	11.5	40.8	714	11.7	40.8	—	—	—
Industrial machinery repairers	588	12.8	40.0	—	—	—	—	—	—
Mechanics and repairers, n.e.c.	483	7.5	40.0	462	9.5	40.0	565	5.5	40.0
Electricians	554	8.2	40.0	—	—	—	—	—	—
Inspectors, testers, and graders	545	14.4	40.0	535	15.0	40.0	—	—	—
Machine operators, assemblers, and inspectors	402	7.0	40.0	402	7.0	40.0	—	—	—
Laundering and dry cleaning machine operators	260	4.5	39.7	260	4.5	39.7	—	—	—
Assemblers	412	7.4	40.0	412	7.4	40.0	—	—	—
Transportation and material moving	378	4.8	40.0	373	5.3	40.0	452	4.4	40.0
Truck drivers	374	10.7	40.0	366	10.9	40.0	—	—	—
Miscellaneous material moving equipment operators, n.e.c.	468	6.6	40.0	—	—	—	—	—	—
Handlers, equipment cleaners, helpers, and laborers	381	6.0	40.0	381	6.3	40.0	381	4.1	39.9
Groundskeepers and gardeners, except farm	340	3.7	40.0	—	—	—	—	—	—
Construction laborers	357	4.9	40.0	354	5.4	40.0	—	—	—

See footnotes at end of table.

Table 3-1. Mean weekly earnings¹, full-time workers:² Selected occupations, private industry and State and local government, National Compensation Survey, Orlando, FL, 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									
Handlers, equipment cleaners, helpers, and laborers —Continued									
Stock handlers and baggers ...	\$284	3.4	39.7	\$284	3.4	39.7	—	—	—
Freight, stock, and material handlers, n.e.c.	353	8.9	40.0	353	8.9	40.0	—	—	—
Laborers, except construction, n.e.c.	456	4.5	40.0	458	4.4	40.0	—	—	—
Service	321	4.8	39.9	284	5.5	39.5	\$565	5.3	42.3
Protective service	491	6.4	41.5	343	9.6	39.8	637	4.0	43.1
Supervisors, firefighters and fire prevention	953	13.9	51.2	—	—	—	953	13.9	51.2
Supervisors, police and detectives	895	6.4	40.9	—	—	—	895	6.4	40.9
Firefighting	697	7.0	52.2	—	—	—	697	7.0	52.2
Police and detectives, public service	632	3.5	40.3	—	—	—	632	3.5	40.3
Sheriffs, bailiffs, and other law enforcement officers	531	6.4	41.4	—	—	—	531	6.4	41.4
Guards and police, except public service	342	10.3	40.0	342	10.6	40.0	—	—	—
Protective service, n.e.c.	379	15.5	39.0	—	—	—	—	—	—
Food service	243	10.1	39.6	243	10.1	39.6	—	—	—
Supervisors, food preparation and service	623	10.9	40.0	623	10.9	40.0	—	—	—
Bartenders	154	9.4	36.5	154	9.4	36.5	—	—	—
Cooks	343	7.5	40.0	343	7.5	40.0	—	—	—
Waiters/Waitresses' assistants	247	14.8	39.9	247	14.8	39.9	—	—	—
Food preparation, n.e.c.	257	4.8	38.4	257	4.8	38.4	—	—	—
Health service	301	2.1	39.3	301	2.2	39.3	—	—	—
Health aides, except nursing ..	327	5.5	40.0	328	5.6	40.0	—	—	—
Nursing aides, orderlies and attendants	292	1.5	39.1	292	1.5	39.1	—	—	—
Cleaning and building service	303	2.9	39.5	292	3.3	39.4	377	7.8	40.0
Supervisors, cleaning and building service workers ...	519	12.3	39.3	—	—	—	—	—	—
Maids and housemen	272	5.3	39.1	272	5.3	39.1	—	—	—
Janitors and cleaners	316	3.2	40.0	303	4.7	40.0	354	5.4	40.0
Personal service	357	8.1	38.8	356	8.3	38.8	—	—	—
Service, n.e.c.	262	8.0	42.8	262	8.0	42.8	—	—	—

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 ALL INDUSTRIES, PRIVATE INDUSTRY, AND STATE AND LOCAL GOVERNMENT 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, Orlando, FL, 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	\$26,074	3.0	2,064	\$25,146	3.6	2,083	\$30,826	3.5	1,966
All excluding sales	25,848	3.0	2,057	24,780	3.6	2,077	30,951	3.5	1,965
White collar	33,035	3.5	2,050	33,350	4.3	2,101	31,975	4.4	1,879
White collar excluding sales	33,621	3.7	2,035	34,131	4.7	2,091	32,177	4.4	1,876
Professional specialty and technical	39,827	3.8	1,963	42,317	5.0	2,063	34,806	3.2	1,762
Professional specialty	42,214	4.1	1,926	47,801	5.5	2,066	34,965	3.3	1,745
Engineers, architects, and surveyors	61,952	6.2	2,093	63,383	6.2	2,095	-	-	-
Civil engineers	47,847	9.5	2,073	-	-	-	-	-	-
Electrical and electronic engineers	57,407	7.2	2,080	57,411	7.6	2,080	-	-	-
Mathematical and computer scientists	57,437	7.6	2,080	57,437	7.6	2,080	-	-	-
Computer systems analysts and scientists	58,396	7.8	2,080	58,396	7.8	2,080	-	-	-
Natural scientists	-	-	-	-	-	-	-	-	-
Health related	38,573	2.6	2,072	38,622	2.7	2,072	-	-	-
Registered nurses	38,663	2.2	2,076	38,724	2.2	2,076	-	-	-
Teachers, college and university	41,533	9.4	1,654	31,700	10.0	1,821	44,051	12.3	1,611
Teachers, except college and university	33,344	3.4	1,650	27,451	3.6	1,712	33,730	3.6	1,646
Elementary school teachers	32,636	3.2	1,624	-	-	-	-	-	-
Secondary school teachers	32,662	5.6	1,637	-	-	-	-	-	-
Vocational and educational counselors	29,340	7.9	1,689	-	-	-	-	-	-
Librarians, archivists, and curators	33,885	8.8	2,067	-	-	-	33,885	8.8	2,067
Librarians	33,885	8.8	2,067	-	-	-	33,885	8.8	2,067
Social scientists and urban planners	-	-	-	-	-	-	-	-	-
Social, recreation, and religious workers	25,529	5.5	2,080	-	-	-	-	-	-
Social workers	25,467	6.1	2,080	-	-	-	-	-	-
Lawyers and judges	-	-	-	-	-	-	-	-	-
Writers, authors, entertainers, athletes, and professionals, n.e.c.	41,692	5.9	2,087	41,846	5.9	2,090	-	-	-
Technical	33,562	5.5	2,060	33,676	5.8	2,059	31,752	5.4	2,080
Clinical laboratory technologists and technicians	37,108	23.9	2,080	37,108	23.9	2,080	-	-	-
Licensed practical nurses	25,797	3.3	2,090	25,797	3.3	2,090	-	-	-
Electrical and electronic technicians	36,621	5.2	2,080	37,139	5.3	2,080	-	-	-
Engineering technicians, n.e.c.	42,455	12.2	2,080	-	-	-	-	-	-
Drafters	30,147	10.6	2,080	30,147	10.6	2,080	-	-	-
Executive, administrative, and managerial	49,644	5.8	2,148	51,572	6.3	2,194	44,450	12.2	2,023
Executives, administrators, and managers	52,698	6.4	2,174	53,488	7.4	2,238	50,574	12.9	2,003
Financial managers	52,110	15.7	2,143	-	-	-	-	-	-
Managers, marketing, advertising, and public relations	39,360	8.7	2,080	39,190	8.8	2,080	-	-	-
Administrators, education and related fields	43,725	17.1	1,967	40,927	16.2	2,045	44,006	18.7	1,960
Managers, medicine and health	48,497	13.3	2,187	-	-	-	-	-	-
Managers and administrators, n.e.c.	57,521	11.9	2,292	58,384	12.2	2,300	-	-	-

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, Orlando, FL, 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	\$41,677	9.4	2,079	\$46,578	9.5	2,080	\$28,444	10.0	2,075
Accountants and auditors	46,030	12.1	2,079	46,853	12.6	2,080	—	—	—
Management analysts	56,401	14.1	2,080	56,401	14.1	2,080	—	—	—
Personnel, training, and labor relations specialists	25,385	13.6	2,080	—	—	—	—	—	—
Management related, n.e.c.	43,825	16.5	2,080	47,873	18.2	2,080	—	—	—
Sales	29,291	10.5	2,151	29,568	10.6	2,153	—	—	—
Supervisors, sales	24,476	7.1	2,087	24,476	7.1	2,087	—	—	—
Sales workers, hardware and building supplies	27,256	19.0	2,149	27,256	19.0	2,149	—	—	—
Sales workers, other commodities	23,135	17.9	2,080	23,135	17.9	2,080	—	—	—
Cashiers	15,747	3.7	2,080	15,298	3.6	2,080	—	—	—
Administrative support, including clerical	21,702	3.2	2,056	21,787	3.7	2,075	21,347	6.3	1,977
Supervisors, general office	28,558	13.9	2,103	—	—	—	—	—	—
Secretaries	22,415	3.0	2,074	22,542	3.3	2,079	22,217	5.5	2,066
Typists	22,937	10.3	2,035	—	—	—	—	—	—
Receptionists	15,936	1.9	2,071	15,936	1.9	2,071	—	—	—
Bookkeepers, accounting and auditing clerks	21,715	4.9	2,075	20,865	5.3	2,076	—	—	—
Telephone operators	19,719	15.0	2,042	19,719	15.0	2,042	—	—	—
Dispatchers	24,013	7.1	2,080	—	—	—	26,607	5.9	2,080
Stock and inventory clerks	20,735	7.5	2,080	19,511	9.0	2,080	—	—	—
General office clerks	22,278	7.2	2,080	22,899	8.5	2,080	19,517	1.6	2,080
Administrative support, n.e.c.	23,579	4.0	2,080	21,802	5.7	2,080	25,354	2.4	2,080
Blue collar	22,849	3.5	2,083	22,624	3.8	2,084	26,335	4.5	2,080
Precision production, craft, and repair	28,083	7.0	2,095	27,875	7.7	2,097	30,000	4.4	2,083
Automobile mechanics	36,625	11.5	2,119	37,122	11.7	2,121	—	—	—
Industrial machinery repairers	30,553	12.8	2,080	—	—	—	—	—	—
Mechanics and repairers, n.e.c.	25,138	7.5	2,080	24,005	9.5	2,080	29,357	5.5	2,080
Electricians	28,820	8.2	2,080	—	—	—	—	—	—
Inspectors, testers, and graders	28,357	14.4	2,080	27,797	15.0	2,080	—	—	—
Machine operators, assemblers, and inspectors	20,894	7.0	2,078	20,894	7.0	2,078	—	—	—
Laundering and dry cleaning machine operators	13,522	4.5	2,065	13,522	4.5	2,065	—	—	—
Assemblers	21,441	7.4	2,080	21,441	7.4	2,080	—	—	—
Transportation and material moving	19,671	4.8	2,080	19,384	5.3	2,080	23,500	4.4	2,080
Truck drivers	19,439	10.7	2,080	19,006	10.9	2,080	—	—	—
Miscellaneous material moving equipment operators, n.e.c.	24,354	6.6	2,080	—	—	—	—	—	—
Handlers, equipment cleaners, helpers, and laborers	19,737	6.0	2,074	19,733	6.3	2,074	19,830	4.1	2,073
Groundskeepers and gardeners, except farm	17,660	3.7	2,080	—	—	—	—	—	—
Construction laborers	18,555	4.9	2,078	18,383	5.4	2,080	—	—	—

See footnotes at end of table.

Table 3-2. Mean annual earnings¹, full-time workers:² Selected occupations, private industry and State and local government, National Compensation Survey, Orlando, FL, 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									
Handlers, equipment cleaners, helpers, and laborers —Continued									
Stock handlers and baggers ... Freight, stock, and material handlers, n.e.c.	\$14,748	3.4	2,067	\$14,748	3.4	2,067	—	—	—
Laborers, except construction, n.e.c.	18,372	8.9	2,080	18,372	8.9	2,080	—	—	—
	23,711	4.5	2,080	23,799	4.4	2,080	—	—	—
Service	16,697	4.8	2,070	14,751	5.5	2,053	\$29,138	5.3	2,178
Protective service	25,516	6.4	2,157	17,851	9.6	2,071	33,098	4.0	2,242
Supervisors, firefighters and fire prevention	49,545	13.9	2,661	—	—	—	49,545	13.9	2,661
Supervisors, police and detectives	46,527	6.4	2,127	—	—	—	46,527	6.4	2,127
Firefighting	36,264	7.0	2,713	—	—	—	36,264	7.0	2,713
Police and detectives, public service	32,871	3.5	2,096	—	—	—	32,871	3.5	2,096
Sheriffs, bailiffs, and other law enforcement officers	27,615	6.4	2,154	—	—	—	27,615	6.4	2,154
Guards and police, except public service	17,796	10.3	2,080	17,760	10.6	2,078	—	—	—
Protective service, n.e.c.	19,720	15.5	2,027	—	—	—	—	—	—
Food service	12,611	10.1	2,061	12,612	10.1	2,061	—	—	—
Supervisors, food preparation and service	32,403	10.9	2,080	32,403	10.9	2,080	—	—	—
Bartenders	8,017	9.4	1,900	8,017	9.4	1,900	—	—	—
Cooks	17,827	7.5	2,080	17,827	7.5	2,080	—	—	—
Waiters/Waitresses' assistants	12,858	14.8	2,076	12,858	14.8	2,076	—	—	—
Food preparation, n.e.c.	13,366	4.8	1,997	13,366	4.8	1,997	—	—	—
Health service	15,647	2.1	2,043	15,654	2.2	2,043	—	—	—
Health aides, except nursing ..	17,015	5.5	2,080	17,069	5.6	2,080	—	—	—
Nursing aides, orderlies and attendants	15,198	1.5	2,031	15,198	1.5	2,031	—	—	—
Cleaning and building service	15,687	2.9	2,045	15,181	3.3	2,051	18,948	7.8	2,008
Supervisors, cleaning and building service workers ...	26,990	12.3	2,044	—	—	—	—	—	—
Maids and housemen	14,125	5.3	2,033	14,126	5.3	2,033	—	—	—
Janitors and cleaners	16,281	3.2	2,058	15,773	4.7	2,078	17,697	5.4	2,001
Personal service	18,542	8.1	2,017	18,512	8.3	2,015	—	—	—
Service, n.e.c.	13,635	8.0	2,227	13,635	8.0	2,227	—	—	—

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 ALL INDUSTRIES, PRIVATE INDUSTRY, AND STATE AND LOCAL GOVERNMENT 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, Orlando, FL, 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	\$12.10	2.8	\$11.51	3.4	\$15.50	3.6
All excluding sales	12.16	2.9	11.51	3.5	15.57	3.6
White collar	15.42	3.3	15.04	4.1	16.95	4.5
1	7.03	5.0	7.04	5.0	—	—
2	7.96	4.4	7.96	4.7	—	—
3	7.70	2.7	7.60	2.9	8.77	2.7
4	10.16	4.6	10.36	5.0	9.02	5.6
5	12.35	4.0	12.54	4.8	11.68	4.1
6	13.24	3.8	13.68	4.1	11.80	4.8
7	16.86	4.0	17.17	4.2	14.19	4.3
8	19.53	4.9	19.21	6.8	—	—
9	20.99	3.1	21.19	3.4	20.39	6.8
10	24.89	8.0	26.81	9.4	21.63	8.0
11	24.72	4.9	28.14	6.3	19.41	2.8
12	31.57	5.5	32.18	6.2	28.91	5.1
13	42.97	15.0	47.67	10.0	—	—
14	54.67	9.4	—	—	—	—
Not able to be leveled	14.27	21.9	—	—	—	—
White collar excluding sales	16.29	3.5	16.04	4.5	17.07	4.5
1	8.07	4.6	8.10	4.5	—	—
2	8.17	4.8	8.18	5.2	—	—
3	8.37	3.3	8.32	3.6	8.77	4.2
4	10.65	3.9	11.04	3.7	9.02	5.6
5	11.77	2.5	11.81	3.1	11.68	4.1
6	13.24	4.0	13.74	4.4	11.80	4.8
7	16.00	2.8	16.27	3.1	14.19	4.3
8	18.46	3.4	17.30	4.5	—	—
9	20.93	3.1	21.11	3.5	20.39	6.8
10	24.89	8.0	26.81	9.4	21.63	8.0
11	24.72	4.9	28.14	6.3	19.41	2.8
12	31.44	5.7	32.03	6.4	28.91	5.1
13	42.97	15.0	47.67	10.0	—	—
14	54.67	9.4	—	—	—	—
Not able to be leveled	14.27	21.9	—	—	—	—
Professional specialty and technical	20.00	3.8	19.96	5.2	20.09	3.1
Professional specialty	21.49	4.2	22.16	6.2	20.38	3.2
5	13.01	9.5	13.01	9.5	—	—
6	13.64	9.6	15.49	8.9	—	—
7	16.94	8.8	18.44	9.2	12.87	2.0
8	19.45	4.1	18.08	5.5	—	—
9	21.15	4.3	20.96	4.6	21.64	9.3
10	25.02	9.6	27.67	13.5	22.32	9.3
11	22.89	4.8	28.51	6.6	19.19	2.7
12	30.66	8.4	31.08	9.0	—	—
Engineers, architects, and surveyors	29.60	6.4	30.25	6.5	—	—
9	28.09	5.7	28.36	6.0	—	—
11	33.04	10.4	35.87	8.7	—	—
Civil engineers	23.08	9.5	—	—	—	—
Electrical and electronic engineers	27.60	7.2	27.60	7.6	—	—
Mathematical and computer scientists	27.61	7.6	27.61	7.6	—	—
Computer systems analysts and scientists	28.08	7.8	28.08	7.8	—	—
Natural scientists	—	—	—	—	—	—
Health related	18.85	2.2	18.88	2.3	—	—
9	18.95	3.3	18.95	3.3	—	—
Registered nurses	18.91	2.1	18.94	2.2	—	—
9	18.37	1.8	18.37	1.8	—	—
Teachers, college and university	26.07	7.2	17.30	10.1	28.06	8.8
Teachers, except college and university	20.18	3.5	15.89	3.7	20.48	3.6
Elementary school teachers	20.10	3.2	—	—	—	—
Secondary school teachers	19.95	5.6	—	—	—	—
Vocational and educational counselors	17.37	8.1	—	—	—	—
Librarians, archivists, and curators	16.39	8.8	—	—	16.39	8.8
Librarians	16.39	8.8	—	—	16.39	8.8
Social scientists and urban planners	22.38	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, Orlando, FL, 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, recreation, and religious workers	\$12.27	5.5	–	–	–	–
Social workers	12.24	6.1	–	–	–	–
Lawyers and judges	–	–	–	–	–	–
Writers, authors, entertainers, athletes, and professionals, n.e.c.	15.96	17.6	\$15.98	17.7	–	–
8	21.59	6.5	21.59	6.5	–	–
Technical	16.10	5.9	16.16	6.2	\$15.27	5.4
4	10.25	4.0	10.23	4.1	–	–
5	12.23	6.9	12.23	6.9	–	–
6	12.87	3.1	12.83	3.2	–	–
7	14.72	3.5	14.76	3.7	–	–
8	17.04	6.0	17.04	6.2	–	–
9	19.79	4.5	20.20	4.4	–	–
Clinical laboratory technologists and technicians	17.84	23.9	17.84	23.9	–	–
Licensed practical nurses	12.12	3.2	12.12	3.2	–	–
6	12.22	3.9	12.22	3.9	–	–
7	12.65	5.5	12.65	5.5	–	–
Health technologists and technicians, n.e.c.	8.76	4.1	8.76	4.1	–	–
Electrical and electronic technicians	17.61	5.2	17.86	5.3	–	–
7	16.08	7.3	–	–	–	–
Engineering technicians, n.e.c.	20.41	12.2	–	–	–	–
Drafters	14.49	10.6	14.49	10.6	–	–
Executive, administrative, and managerial	23.11	5.8	23.50	6.5	21.97	12.4
5	11.29	7.8	–	–	–	–
6	14.39	10.7	16.53	4.1	–	–
7	16.60	4.3	16.69	4.4	–	–
8	15.48	9.9	15.16	13.0	16.34	8.9
9	21.14	5.9	21.91	6.7	19.23	10.9
10	22.03	7.9	23.29	6.9	–	–
11	26.35	8.4	26.34	8.6	–	–
12	32.82	7.8	34.05	10.1	–	–
13	44.04	17.7	51.92	9.8	–	–
Not able to be leveled	26.92	6.3	–	–	–	–
Executives, administrators, and managers	24.24	6.6	23.90	7.6	25.25	13.0
8	14.72	11.4	–	–	–	–
9	20.76	6.3	20.44	7.9	21.75	7.5
10	22.75	11.2	–	–	–	–
11	25.99	9.0	25.96	9.4	–	–
12	34.65	6.5	36.94	7.2	–	–
13	40.86	18.7	–	–	–	–
Not able to be leveled	26.97	6.4	–	–	–	–
Financial managers	24.31	15.8	–	–	–	–
Managers, marketing, advertising, and public relations	18.92	8.7	18.84	8.8	–	–
Administrators, education and related fields	22.22	17.5	20.02	17.4	22.46	19.1
Managers, medicine and health	22.18	10.6	–	–	–	–
Managers and administrators, n.e.c.	25.10	13.8	25.38	14.2	–	–
12	41.67	6.6	41.67	6.6	–	–
Management related	20.05	9.4	22.39	9.5	13.71	10.1
6	13.79	12.4	–	–	–	–
7	17.55	7.6	–	–	–	–
9	22.21	14.1	–	–	–	–
Accountants and auditors	22.14	12.1	22.53	12.6	–	–
Management analysts	27.12	14.1	27.12	14.1	–	–
Personnel, training, and labor relations specialists	12.20	13.6	–	–	–	–
Management related, n.e.c.	21.07	16.5	23.02	18.2	–	–
Sales	11.49	8.9	11.53	9.0	–	–
2	6.67	4.5	6.67	4.5	–	–

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, Orlando, FL, 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						
3	\$6.90	3.2	\$6.77	3.1	—	—
4	8.49	8.5	8.49	8.5	—	—
5	14.16	9.1	14.16	9.1	—	—
7	20.26	8.7	20.26	8.7	—	—
8	22.73	10.3	22.73	10.3	—	—
Supervisors, sales	11.73	7.0	11.73	7.0	—	—
Sales workers, other commodities	10.25	16.1	10.25	16.1	—	—
4	7.13	4.1	7.13	4.1	—	—
Cashiers	6.77	2.8	6.64	2.4	—	—
3	6.74	3.7	6.52	2.8	—	—
Administrative support, including clerical						
1	10.40	3.2	10.37	3.7	\$10.51	6.1
1	8.07	4.6	8.10	4.5	—	—
2	8.17	4.8	8.18	5.2	—	—
3	8.35	3.4	8.33	3.8	8.54	2.8
4	10.67	4.1	11.09	3.8	9.01	5.7
5	11.66	2.7	11.46	3.4	12.02	4.1
6	12.64	6.5	12.61	9.0	12.71	2.5
7	16.09	5.3	16.13	6.4	15.91	6.5
8	19.94	6.8	—	—	—	—
Supervisors, general office	13.58	14.2	—	—	—	—
Secretaries	10.77	3.0	10.77	3.4	10.75	5.7
4	10.17	2.5	10.38	3.0	—	—
5	11.37	5.0	—	—	—	—
7	14.55	7.2	—	—	—	—
Typists	11.13	8.3	—	—	—	—
Receptionists	7.65	1.6	7.65	1.6	—	—
3	7.79	2.3	7.79	2.3	—	—
Library clerks	8.71	6.7	—	—	—	—
Bookkeepers, accounting and auditing clerks	10.31	4.7	9.89	5.0	—	—
4	10.94	4.8	10.10	7.1	—	—
Telephone operators	9.62	15.8	9.62	15.8	—	—
Dispatchers	11.54	7.1	—	—	12.79	5.9
Stock and inventory clerks	9.67	6.8	9.17	7.7	—	—
General office clerks	10.49	7.1	10.73	8.3	9.38	1.6
2	8.11	4.6	8.11	4.6	—	—
4	10.96	10.3	11.95	12.5	—	—
Teachers' aides	6.78	3.2	—	—	—	—
Administrative support, n.e.c.	11.31	4.0	10.43	5.7	12.19	2.4
Blue collar						
1	10.75	3.4	10.64	3.6	12.41	4.1
1	7.96	8.4	7.96	8.6	—	—
2	7.44	5.4	7.21	5.4	—	—
3	8.68	2.0	8.62	2.1	—	—
4	10.37	4.9	10.35	5.2	10.90	4.5
5	10.28	5.5	10.13	6.0	11.65	4.2
6	13.42	4.3	13.22	4.8	14.56	9.1
7	17.17	4.3	17.26	4.7	16.18	5.5
8	19.87	12.7	—	—	—	—
Precision production, craft, and repair						
4	13.37	6.8	13.26	7.5	14.40	4.4
4	8.77	5.5	8.69	5.7	—	—
5	11.97	6.3	11.93	7.1	12.25	7.0
6	13.58	5.1	13.32	5.9	14.66	9.8
7	17.26	4.9	17.37	5.4	16.18	5.5
Automobile mechanics	17.28	12.4	17.50	12.7	—	—
Industrial machinery repairers	14.69	12.8	—	—	—	—
Mechanics and repairers, n.e.c.	12.09	7.5	11.54	9.5	14.11	5.5
5	10.74	2.4	10.56	2.2	—	—
7	18.50	11.1	—	—	—	—
Electricians	13.86	8.2	—	—	—	—
Inspectors, testers, and graders	13.63	14.4	13.36	15.0	—	—

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, Orlando, FL, 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	\$10.04	6.9	\$10.04	6.9	—	—
2	6.26	5.2	6.26	5.2	—	—
3	8.24	.7	8.24	.7	—	—
4	10.29	12.1	10.29	12.1	—	—
Laundering and dry cleaning machine operators	6.55	4.5	6.55	4.5	—	—
Assemblers	10.31	7.4	10.31	7.4	—	—
Transportation and material moving	9.25	4.8	9.06	5.5	\$10.96	3.6
2	7.75	10.7	—	—	—	—
3	8.54	5.0	8.50	5.1	—	—
4	—	—	—	—	11.33	5.9
5	—	—	—	—	11.11	4.6
Truck drivers	9.31	10.5	9.10	10.6	—	—
Miscellaneous material moving equipment operators, n.e.c.	11.71	6.6	—	—	—	—
Handlers, equipment cleaners, helpers, and laborers	9.24	6.0	9.23	6.3	9.56	4.2
1	8.24	9.6	8.24	9.8	—	—
2	8.07	6.5	8.07	6.5	—	—
3	8.83	4.8	8.79	5.6	—	—
4	10.69	6.7	10.72	6.8	—	—
Groundskeepers and gardeners, except farm	8.49	3.7	—	—	—	—
Construction laborers	8.91	4.9	8.81	5.4	—	—
Stock handlers and baggers	6.85	3.4	6.85	3.4	—	—
1	6.38	2.9	6.38	2.9	—	—
Freight, stock, and material handlers, n.e.c.	8.84	7.5	8.84	7.5	—	—
4	8.52	6.0	8.52	6.0	—	—
Laborers, except construction, n.e.c.	11.36	4.6	11.40	4.5	—	—
Service	7.73	4.4	6.94	5.1	13.03	4.6
1	5.67	7.0	5.51	6.9	—	—
2	6.47	5.4	6.36	6.1	—	—
3	—	—	—	—	8.85	5.1
4	8.01	3.5	—	—	—	—
5	7.09	22.6	—	—	—	—
6	11.26	7.8	—	—	13.01	2.4
7	14.46	14.4	15.96	28.4	13.24	6.3
8	16.09	4.8	—	—	15.30	4.8
9	17.32	2.8	—	—	17.78	3.4
10	18.78	9.4	—	—	18.78	9.4
Protective service	11.38	5.4	8.29	10.2	14.48	3.7
3	8.31	10.7	8.31	11.4	8.31	2.9
4	9.17	11.9	—	—	10.60	9.3
5	10.36	10.1	—	—	—	—
6	13.00	2.4	—	—	13.00	2.4
7	12.63	5.8	—	—	12.88	6.6
8	15.30	4.8	—	—	15.30	4.8
9	17.78	3.4	—	—	17.78	3.4
10	18.78	9.4	—	—	18.78	9.4
Supervisors, firefighters and fire prevention	18.62	13.2	—	—	18.62	13.2
Supervisors, police and detectives	21.85	7.0	—	—	21.85	7.0
Firefighting	12.96	8.2	—	—	12.96	8.2
7	11.29	10.8	—	—	11.29	10.8
Police and detectives, public service	15.68	3.6	—	—	15.68	3.6
6	12.47	.9	—	—	12.47	.9
8	15.81	4.2	—	—	15.81	4.2
Sheriffs, bailiffs, and other law enforcement officers	12.82	6.0	—	—	12.82	6.0
Guards and police, except public service	8.34	10.8	8.33	11.2	—	—
3	8.39	11.2	8.40	11.4	—	—
Protective service, n.e.c.	8.49	15.5	—	—	10.53	14.4
Food service	5.92	8.4	5.90	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, Orlando, FL, 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						
1	\$4.46	10.8	\$4.46	10.8	—	—
2	6.32	9.4	6.24	10.4	—	—
4	7.48	10.7	7.48	10.7	—	—
Supervisors, food preparation and service	15.58	10.9	15.58	10.9	—	—
Bartenders	4.12	8.2	4.12	8.2	—	—
Waiters and waitresses	2.92	8.2	2.92	8.2	—	—
Cooks	8.19	7.4	8.19	7.4	—	—
3	8.49	5.4	8.49	5.4	—	—
4	9.45	7.1	9.45	7.1	—	—
Kitchen workers, food preparation	7.95	6.4	7.96	6.4	—	—
3	8.17	6.5	8.17	6.5	—	—
Waiters/Waitresses' assistants	6.04	14.8	6.04	14.8	—	—
Food preparation, n.e.c.	6.61	5.4	6.45	5.4	—	—
1	6.54	2.3	6.54	2.3	—	—
Health service	7.66	1.8	7.66	1.8	—	—
3	7.43	1.2	7.44	1.2	—	—
4	7.97	4.4	7.97	4.4	—	—
Health aides, except nursing	8.05	4.6	8.07	4.7	—	—
Nursing aides, orderlies and attendants	7.51	1.2	7.51	1.2	—	—
3	7.39	1.2	7.39	1.2	—	—
Cleaning and building service	7.58	2.7	7.32	3.0	\$9.44	7.8
1	6.78	3.0	6.57	1.6	—	—
2	6.64	3.9	6.44	3.4	—	—
Supervisors, cleaning and building service workers	13.20	11.7	—	—	—	—
Maids and housemen	6.89	4.4	6.89	4.4	—	—
1	6.57	1.9	6.57	1.9	—	—
2	6.07	5.1	6.07	5.1	—	—
Janitors and cleaners	7.84	3.4	7.51	4.9	8.84	5.4
1	7.34	8.3	—	—	—	—
2	6.96	3.2	—	—	—	—
Personal service	8.70	10.6	8.69	10.9	—	—
2	7.26	10.5	7.26	10.5	—	—
3	6.82	6.1	6.82	6.1	—	—
Attendants, amusement, and recreation facilities	7.11	5.3	7.11	5.3	—	—
3	7.08	5.8	7.08	5.8	—	—
Service, n.e.c.	6.12	4.1	6.12	4.1	—	—

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

² Each occupation for which data are collected in an establishment is evaluated based on 10 factors, including knowledge, complexity, work environment, etc. Points are assigned based on the occupation's rank within each factor. The points are summed to determine the overall level of the occupation. See 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 ALL INDUSTRIES, PRIVATE INDUSTRY, AND STATE AND LOCAL GOVERNMENT 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, Orlando, FL, 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	\$12.64	3.0	\$12.07	3.6	\$15.68	3.6
All excluding sales	12.56	3.1	11.93	3.7	15.75	3.6
White collar	16.11	3.4	15.87	4.2	17.01	4.5
1	7.29	7.6	7.29	7.6	—	—
2	8.26	5.1	8.25	5.2	—	—
3	8.14	3.1	8.05	3.5	8.77	2.8
4	10.46	3.8	10.75	3.8	9.02	5.6
5	12.40	4.0	12.62	4.8	11.68	4.1
6	13.25	3.8	13.72	4.2	11.80	4.8
7	16.88	4.0	17.20	4.2	14.19	4.4
8	19.57	4.9	19.26	6.9	—	—
9	21.06	3.1	21.35	3.4	20.15	7.3
10	24.31	9.7	26.90	10.4	19.22	9.0
11	24.72	4.9	28.14	6.3	19.41	2.8
12	31.93	5.3	32.67	5.8	28.91	5.1
13	42.97	15.0	47.67	10.0	—	—
14	54.67	9.4	—	—	—	—
Not able to be leveled	—	—	20.98	16.5	—	—
White collar excluding sales	16.52	3.7	16.33	4.6	17.15	4.5
1	8.19	4.8	8.19	4.8	—	—
2	8.33	5.6	8.32	5.7	—	—
3	8.34	3.6	8.29	4.0	8.76	4.3
4	10.70	3.9	11.12	3.5	9.02	5.6
5	11.79	2.5	11.83	3.1	11.68	4.1
6	13.26	4.1	13.78	4.5	11.80	4.8
7	16.02	2.8	16.30	3.1	14.19	4.4
8	18.49	3.4	17.33	4.5	—	—
9	20.99	3.2	21.27	3.5	20.15	7.3
10	24.31	9.7	26.90	10.4	19.22	9.0
11	24.72	4.9	28.14	6.3	19.41	2.8
12	31.80	5.5	32.52	6.1	28.91	5.1
13	42.97	15.0	47.67	10.0	—	—
14	54.67	9.4	—	—	—	—
Not able to be leveled	—	—	20.98	16.5	—	—
Professional specialty and technical	20.29	3.8	20.51	5.1	19.76	3.3
Professional specialty	21.92	4.0	23.14	5.5	20.04	3.4
6	13.69	10.4	15.89	9.5	—	—
7	16.97	8.8	18.44	9.2	—	—
8	19.48	4.2	18.08	5.8	—	—
9	21.29	4.4	21.27	4.6	21.35	10.6
10	24.08	12.4	28.09	16.7	—	—
11	22.89	4.8	28.51	6.6	19.19	2.7
12	31.18	8.0	31.73	8.3	—	—
Engineers, architects, and surveyors	29.60	6.4	30.25	6.5	—	—
9	28.09	5.7	28.36	6.0	—	—
11	33.04	10.4	35.87	8.7	—	—
Civil engineers	23.08	9.5	—	—	—	—
Electrical and electronic engineers	27.60	7.2	27.60	7.6	—	—
Mathematical and computer scientists	27.61	7.6	27.61	7.6	—	—
Computer systems analysts and scientists	28.08	7.8	28.08	7.8	—	—
Natural scientists	—	—	—	—	—	—
Health related	18.61	2.4	18.64	2.4	—	—
9	19.12	3.2	19.12	3.2	—	—
Registered nurses	18.62	2.2	18.65	2.2	—	—
9	18.46	1.3	18.46	1.3	—	—
Teachers, college and university	25.12	8.8	17.41	10.7	27.35	11.3
Teachers, except college and university	20.21	3.5	16.04	3.5	20.49	3.6
Elementary school teachers	20.10	3.2	—	—	—	—
Secondary school teachers	19.95	5.6	—	—	—	—
Vocational and educational counselors	17.37	8.1	—	—	—	—
Librarians, archivists, and curators	16.39	8.8	—	—	16.39	8.8
Librarians	16.39	8.8	—	—	16.39	8.8
Social scientists and urban planners	—	—	—	—	—	—
Social, recreation, and religious workers	12.27	5.5	—	—	—	—

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, Orlando, FL, 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, recreation, and religious workers						
—Continued						
Social workers	\$12.24	6.1	—	—	—	—
Lawyers and judges	—	—	—	—	—	—
Writers, authors, entertainers, athletes, and professionals, n.e.c.	19.98	6.0	\$20.03	6.1	—	—
8	21.59	6.5	21.59	6.5	—	—
Technical	16.29	5.9	16.36	6.2	\$15.27	5.4
4	10.33	4.2	10.31	4.4	—	—
5	12.23	6.9	12.23	6.9	—	—
6	12.90	3.1	12.87	3.2	—	—
7	14.77	3.5	14.81	3.7	—	—
8	17.15	5.7	17.16	5.9	—	—
9	19.79	4.5	20.20	4.4	—	—
Clinical laboratory technologists and technicians	17.84	23.9	17.84	23.9	—	—
Licensed practical nurses	12.34	3.1	12.34	3.1	—	—
6	12.27	3.9	12.27	3.9	—	—
7	12.63	6.1	12.63	6.1	—	—
Electrical and electronic technicians	17.61	5.2	17.86	5.3	—	—
7	16.08	7.3	—	—	—	—
Engineering technicians, n.e.c.	20.41	12.2	—	—	—	—
Drafters	14.49	10.6	14.49	10.6	—	—
Executive, administrative, and managerial	23.11	5.8	23.50	6.5	21.97	12.4
5	11.29	7.8	—	—	—	—
6	14.39	10.7	16.53	4.1	—	—
7	16.60	4.3	16.69	4.4	—	—
8	15.48	9.9	15.16	13.0	16.34	8.9
9	21.14	5.9	21.91	6.7	19.23	10.9
10	22.03	7.9	23.29	6.9	—	—
11	26.35	8.4	26.34	8.6	—	—
12	32.82	7.8	34.05	10.1	—	—
13	44.04	17.7	51.92	9.8	—	—
Not able to be leveled	27.00	6.3	—	—	—	—
Executives, administrators, and managers	24.24	6.6	23.90	7.6	25.25	13.0
8	14.72	11.4	—	—	—	—
9	20.76	6.3	20.44	7.9	21.75	7.5
10	22.75	11.2	—	—	—	—
11	25.99	9.0	25.96	9.4	—	—
12	34.65	6.5	36.94	7.2	—	—
13	40.86	18.7	—	—	—	—
Not able to be leveled	27.05	6.4	—	—	—	—
Financial managers	24.31	15.8	—	—	—	—
Managers, marketing, advertising, and public relations	18.92	8.7	18.84	8.8	—	—
Administrators, education and related fields	22.22	17.5	20.02	17.4	22.46	19.1
Managers, medicine and health	22.18	10.6	—	—	—	—
Managers and administrators, n.e.c.	25.10	13.8	25.38	14.2	—	—
12	41.67	6.6	41.67	6.6	—	—
Management related	20.05	9.4	22.39	9.5	13.71	10.1
6	13.79	12.4	—	—	—	—
7	17.55	7.6	—	—	—	—
9	22.21	14.1	—	—	—	—
Accountants and auditors	22.14	12.1	22.53	12.6	—	—
Management analysts	27.12	14.1	27.12	14.1	—	—
Personnel, training, and labor relations specialists	12.20	13.6	—	—	—	—
Management related, n.e.c.	21.07	16.5	23.02	18.2	—	—
Sales	13.62	9.2	13.74	9.3	—	—
3	7.57	5.2	7.33	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, Orlando, FL, 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						
4	\$9.35	6.7	\$9.35	6.7	—	—
5	14.46	8.8	14.46	8.8	—	—
7	20.26	8.7	20.26	8.7	—	—
8	22.73	10.3	22.73	10.3	—	—
Supervisors, sales	11.73	7.0	11.73	7.0	—	—
Sales workers, hardware and building supplies ...	12.68	16.3	12.68	16.3	—	—
Sales workers, other commodities	11.12	17.9	11.12	17.9	—	—
Cashiers	7.57	3.7	7.35	3.6	—	—
Administrative support, including clerical	10.56	3.2	10.50	3.7	\$10.80	6.3
1	8.19	4.8	8.19	4.8	—	—
2	8.33	5.6	8.32	5.7	—	—
3	8.33	3.7	8.31	4.1	8.53	2.8
4	10.72	4.0	11.17	3.6	9.01	5.7
5	11.68	2.7	11.48	3.5	12.02	4.1
6	12.64	6.5	12.61	9.0	12.71	2.5
7	16.09	5.3	16.13	6.4	15.91	6.5
8	19.94	6.8	—	—	—	—
Supervisors, general office	13.58	14.2	—	—	—	—
Secretaries	10.81	3.0	10.84	3.4	10.75	5.7
4	10.17	2.5	10.38	3.0	—	—
5	11.37	5.0	—	—	—	—
7	14.55	7.2	—	—	—	—
Typists	11.27	8.8	—	—	—	—
Receptionists	7.70	2.0	7.70	2.0	—	—
3	7.83	3.0	7.83	3.0	—	—
Bookkeepers, accounting and auditing clerks	10.46	4.9	10.05	5.3	—	—
4	11.13	4.3	10.39	6.7	—	—
Telephone operators	9.66	16.0	9.66	16.0	—	—
Dispatchers	11.54	7.1	—	—	12.79	5.9
Stock and inventory clerks	9.97	7.5	9.38	9.0	—	—
General office clerks	10.71	7.2	11.01	8.5	9.38	1.6
4	11.09	10.3	12.22	12.1	—	—
Administrative support, n.e.c.	11.34	4.0	10.48	5.7	12.19	2.4
Blue collar	10.97	3.5	10.86	3.7	12.66	4.4
1	8.40	9.6	8.40	9.7	—	—
2	7.25	5.6	7.25	5.6	—	—
3	8.69	2.0	8.62	2.1	—	—
4	10.48	5.0	10.46	5.2	10.85	6.0
5	10.34	5.3	10.19	5.9	11.65	4.2
6	13.42	4.3	13.22	4.8	14.56	9.1
7	17.17	4.3	17.26	4.7	16.18	5.5
8	19.87	12.7	—	—	—	—
Precision production, craft, and repair	13.40	6.9	13.30	7.6	14.40	4.4
4	8.76	6.0	8.67	6.2	—	—
5	11.97	6.3	11.93	7.1	12.25	7.0
6	13.58	5.1	13.32	5.9	14.66	9.8
7	17.26	4.9	17.37	5.4	16.18	5.5
Automobile mechanics	17.28	12.4	17.50	12.7	—	—
Industrial machinery repairers	14.69	12.8	—	—	—	—
Mechanics and repairers, n.e.c.	12.09	7.5	11.54	9.5	14.11	5.5
5	10.74	2.4	10.56	2.2	—	—
7	18.50	11.1	—	—	—	—
Electricians	13.86	8.2	—	—	—	—
Inspectors, testers, and graders	13.63	14.4	13.36	15.0	—	—
Machine operators, assemblers, and inspectors	10.05	7.0	10.05	7.0	—	—
2	6.26	5.2	6.26	5.2	—	—
3	8.24	.7	8.24	.7	—	—
4	10.32	12.2	10.32	12.2	—	—

See footnotes at end of table.

Table 4-2. **Selected occupations¹ and levels,² full-time workers:³ Mean hourly earnings,⁴ private industry and State and local government, National Compensation Survey, Orlando, FL, 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						
Laundering and dry cleaning machine operators	\$6.55	4.5	\$6.55	4.5	—	—
Assemblers	10.31	7.4	10.31	7.4	—	—
Transportation and material moving	9.46	4.8	9.32	5.3	\$11.30	4.4
3	8.55	5.1	8.50	5.1	—	—
4	—	—	—	—	11.48	9.2
5	—	—	—	—	11.11	4.6
Truck drivers	9.35	10.7	9.14	10.9	—	—
Miscellaneous material moving equipment operators, n.e.c.	11.71	6.6	—	—	—	—
Handlers, equipment cleaners, helpers, and laborers	9.51	6.0	9.51	6.4	9.56	4.2
1	8.80	10.6	8.81	10.8	—	—
2	8.12	6.3	8.12	6.3	—	—
3	8.85	5.1	8.81	6.0	—	—
4	10.70	7.0	10.73	7.1	—	—
Groundskeepers and gardeners, except farm	8.49	3.7	—	—	—	—
Construction laborers	8.93	4.9	8.84	5.4	—	—
Stock handlers and baggers	7.14	3.7	7.14	3.7	—	—
Freight, stock, and material handlers, n.e.c.	8.83	8.9	8.83	8.9	—	—
Laborers, except construction, n.e.c.	11.40	4.5	11.44	4.4	—	—
Service	8.07	4.8	7.18	5.7	13.38	4.6
1	5.89	6.7	5.71	6.6	—	—
2	6.61	5.2	6.55	5.8	—	—
3	6.82	10.0	—	—	9.07	5.0
4	8.26	3.4	8.03	2.8	—	—
5	10.37	5.4	9.96	7.4	—	—
6	11.26	7.8	—	—	13.01	2.4
7	14.73	14.5	15.96	28.4	13.65	4.8
8	16.09	4.8	—	—	15.30	4.8
9	17.32	2.8	—	—	17.79	3.4
10	18.78	9.4	—	—	18.78	9.4
Protective service	11.83	5.5	8.62	9.4	14.76	3.4
3	8.58	10.2	8.58	10.7	—	—
4	9.29	12.1	—	—	—	—
5	10.36	10.1	—	—	—	—
6	13.00	2.4	—	—	13.00	2.4
7	12.98	4.9	—	—	13.32	5.1
8	15.30	4.8	—	—	15.30	4.8
9	17.79	3.4	—	—	17.79	3.4
10	18.78	9.4	—	—	18.78	9.4
Supervisors, firefighters and fire prevention	18.62	13.2	—	—	18.62	13.2
Supervisors, police and detectives	21.88	7.1	—	—	21.88	7.1
Firefighting	13.37	7.4	—	—	13.37	7.4
7	12.14	8.4	—	—	12.14	8.4
Police and detectives, public service	15.68	3.6	—	—	15.68	3.6
6	12.47	.9	—	—	12.47	.9
8	15.81	4.2	—	—	15.81	4.2
Sheriffs, bailiffs, and other law enforcement officers	12.82	6.0	—	—	12.82	6.0
Guards and police, except public service	8.56	10.3	8.55	10.5	—	—
3	8.62	10.7	8.62	10.7	—	—
Protective service, n.e.c.	9.73	14.4	—	—	—	—
Food service	6.12	10.2	6.12	10.2	—	—
1	4.78	11.4	4.78	11.4	—	—
2	6.48	10.0	6.48	10.0	—	—
4	7.68	10.7	7.68	10.7	—	—
Supervisors, food preparation and service	15.58	10.9	15.58	10.9	—	—
Bartenders	4.22	8.4	4.22	8.4	—	—

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, Orlando, FL, 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						
Cooks	\$8.57	7.5	\$8.57	7.5	—	—
3	8.85	5.7	8.85	5.7	—	—
4	9.45	7.1	9.45	7.1	—	—
Waiters/Waitresses' assistants	6.19	14.7	6.19	14.7	—	—
Food preparation, n.e.c.	6.69	3.7	6.69	3.7	—	—
1	6.48	2.3	6.48	2.3	—	—
Health service	7.66	1.9	7.66	1.9	—	—
3	7.42	1.3	7.42	1.3	—	—
4	8.05	5.6	8.05	5.6	—	—
Health aides, except nursing	8.18	5.5	8.21	5.6	—	—
Nursing aides, orderlies and attendants	7.48	1.2	7.48	1.2	—	—
3	7.40	1.3	7.40	1.3	—	—
Cleaning and building service	7.67	2.6	7.40	2.9	\$9.44	7.8
1	6.82	3.3	6.59	1.7	—	—
2	6.64	3.9	6.44	3.4	—	—
Supervisors, cleaning and building service workers	13.20	11.7	—	—	—	—
Maids and housemen	6.95	4.3	6.95	4.3	—	—
1	6.58	1.9	6.58	1.9	—	—
2	6.07	5.1	6.07	5.1	—	—
Janitors and cleaners	7.91	3.2	7.59	4.7	8.84	5.4
1	7.72	8.8	—	—	—	—
2	6.96	3.2	—	—	—	—
Personal service	9.19	12.7	9.19	13.0	—	—
Service, n.e.c.	6.12	4.1	6.12	4.1	—	—

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

² Each occupation for which data are collected in an establishment is evaluated based on 10 factors, including knowledge, complexity, work environment, etc. Points are assigned based on the occupation's rank within each factor. The points are summed to determine the overall level of the occupation. See 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 ALL INDUSTRIES, PRIVATE INDUSTRY, AND STATE AND LOCAL GOVERNMENT 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, Orlando, FL, 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	\$7.51	4.3	\$7.03	3.9	\$12.67	15.4
All excluding sales	7.87	5.6	7.26	5.4	12.67	15.4
White collar	9.14	6.8	8.38	6.0	15.73	23.4
2	6.79	5.7	6.50	6.0	—	—
3	6.79	2.9	6.78	2.9	—	—
9	19.76	9.0	17.79	7.4	—	—
White collar excluding sales	12.34	10.0	11.36	10.3	15.73	23.4
2	7.31	5.7	7.07	8.3	—	—
3	8.63	3.5	—	—	—	—
4	9.18	8.2	9.18	8.2	—	—
9	19.76	9.0	17.79	7.4	—	—
Professional specialty and technical	16.38	16.5	14.02	18.2	26.86	5.1
Professional specialty	17.19	18.9	14.63	21.5	26.86	5.1
9	19.76	9.0	17.79	7.4	—	—
Health related	20.00	6.3	20.06	6.4	—	—
Registered nurses	20.06	6.4	20.06	6.4	—	—
Teachers, college and university	—	—	—	—	—	—
Teachers, except college and university	—	—	—	—	—	—
Social scientists and urban planners	—	—	—	—	—	—
Writers, authors, entertainers, athletes, and professionals, n.e.c.	—	—	—	—	—	—
Technical	10.41	7.1	10.41	7.1	—	—
Executive, administrative, and managerial	—	—	—	—	—	—
Executives, administrators, and managers	—	—	—	—	—	—
Sales	6.41	2.0	6.41	2.0	—	—
3	6.48	2.1	6.48	2.1	—	—
Cashiers	6.22	2.2	6.22	2.2	—	—
3	6.34	2.2	6.34	2.2	—	—
Administrative support, including clerical	7.94	3.9	8.14	5.0	—	—
2	7.31	5.7	7.07	8.3	—	—
4	9.15	9.3	9.15	9.3	—	—
Blue collar	7.39	5.5	6.99	4.5	—	—
1	6.36	4.0	6.36	4.0	—	—
4	8.67	12.6	8.19	13.5	—	—
Precision production, craft, and repair	—	—	—	—	—	—
Machine operators, assemblers, and inspectors	—	—	—	—	—	—
Transportation and material moving	7.67	10.2	6.43	5.8	—	—
Handlers, equipment cleaners, helpers, and laborers	7.11	6.7	7.11	6.7	—	—
1	6.24	4.2	6.24	4.2	—	—
4	10.49	5.3	10.49	5.3	—	—
Stock handlers and baggers	6.25	6.9	6.25	6.9	—	—
Freight, stock, and material handlers, n.e.c.	8.87	7.9	8.87	7.9	—	—
Service	5.73	4.8	5.61	4.9	7.75	2.1
1	4.43	20.5	4.43	20.5	—	—
2	5.74	9.3	5.29	9.4	—	—
Protective service	6.40	4.2	—	—	7.63	4.4
Food service	5.16	7.3	5.03	7.3	—	—
1	3.22	22.5	3.22	22.5	—	—
2	5.78	10.7	5.24	11.5	—	—
Waiters and waitresses	2.77	13.8	2.77	13.8	—	—
3	4.59	21.2	4.59	21.2	—	—
Health service	—	—	—	—	—	—

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, Orlando, FL, 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						
Cleaning and building service	—	—	—	—	—	—
Personal service	—	—	—	—	—	—

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

² Each occupation for which data are collected in an establishment is evaluated based on 10 factors, including knowledge, complexity, work environment, etc. Points are assigned based on the occupation's rank within each factor. The points are summed to determine the overall level of the occupation. See 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 ALL INDUSTRIES, PRIVATE INDUSTRY, AND STATE AND LOCAL GOVERNMENT 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, Orlando, FL, 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	\$12.64	\$7.51	\$11.65	\$12.23	\$11.90	\$16.54
All excluding sales	12.56	7.87	11.59	12.35	12.13	13.77
White collar	16.11	9.14	17.32	15.09	15.34	16.72
White-collar excluding sales	16.52	12.34	17.40	16.06	16.41	—
Professional specialty and technical	20.29	16.38	20.87	19.74	20.00	—
Professional specialty	21.92	17.19	20.40	21.96	21.49	—
Technical	16.29	10.41	—	15.60	16.10	—
Executive, administrative, and managerial	23.11	—	21.38	23.44	23.11	—
Sales	13.62	6.41	15.78	11.32	8.82	18.84
Administrative support, including clerical	10.56	7.94	10.07	10.45	10.47	—
Blue collar	10.97	7.39	—	10.51	10.39	—
Precision production, craft, and repair	13.40	—	12.07	13.93	12.51	—
Machine operators, assemblers, and inspectors	10.05	—	—	9.97	10.04	—
Transportation and material moving	9.46	7.67	—	8.49	9.25	—
Handlers, equipment cleaners, helpers, and laborers	9.51	7.11	—	8.62	9.24	—
Service	8.07	5.73	—	7.67	7.69	—
	Relative error ⁶ (percent)					
All occupations	3.0	4.3	6.3	3.2	2.7	11.8
All excluding sales	3.1	5.6	6.4	3.2	2.9	14.0
White collar	3.4	6.8	5.6	3.8	3.4	12.5
White-collar excluding sales	3.7	10.0	5.8	4.1	3.5	—
Professional specialty and technical	3.8	16.5	4.5	4.9	3.8	—
Professional specialty	4.0	18.9	3.8	5.7	4.2	—
Technical	5.9	7.1	—	5.5	5.9	—
Executive, administrative, and managerial	5.8	—	19.6	5.8	5.8	—
Sales	9.2	2.0	9.1	9.4	5.3	11.7
Administrative support, including clerical	3.2	3.9	8.4	3.4	3.1	—
Blue collar	3.5	5.5	—	3.9	3.0	—
Precision production, craft, and repair	6.9	—	15.2	5.2	6.3	—
Machine operators, assemblers, and inspectors	7.0	—	—	7.1	6.9	—
Transportation and material moving	4.8	10.2	—	5.7	4.8	—
Handlers, equipment cleaners, helpers, and laborers	6.0	6.7	—	4.8	6.0	—
Service	4.8	4.8	—	3.9	4.4	—

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

² 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 ALL INDUSTRIES, PRIVATE INDUSTRY, AND STATE AND LOCAL GOVERNMENT 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, Orlando, FL, August 1998

Occupational group	Full-time and part-time workers									
	All private industries	Goods-producing industries ³				Service-producing industries ⁴				
		Total	Mining	Con- struc- tion	Manu- factur- ing	Total	Transport- ation and public util- ities	Wholesale and retail trade	Finance, insurance, and real estate	Services
	Mean									
All occupations	\$11.51	\$15.63	-	-	\$16.77	-	-	-	-	\$10.44
All excluding sales	11.51	15.73	-	-	17.02	-	-	-	-	10.46
White collar	15.04	22.11	-	-	23.18	-	-	-	-	14.69
White-collar excluding sales	16.04	23.27	-	-	24.70	-	-	-	-	15.11
Professional specialty and technical	19.96	26.91	-	-	28.04	-	-	-	-	17.58
Professional specialty	22.16	30.12	-	-	31.69	-	-	-	-	18.66
Technical	16.16	16.71	-	-	16.54	-	-	-	-	15.75
Executive, administrative, and managerial	23.50	27.14	-	-	30.11	-	-	-	-	22.07
Sales	11.53	-	-	-	-	-	-	-	-	9.86
Administrative support, including clerical	10.37	11.14	-	-	11.20	-	-	-	-	10.07
Blue collar	10.64	11.07	-	-	11.21	-	-	-	-	9.39
Precision production, craft, and repair	13.26	13.20	-	-	13.55	-	-	-	-	-
Machine operators, assemblers, and inspectors	10.04	10.78	-	-	10.78	-	-	-	-	7.26
Transportation and material moving	9.06	10.64	-	-	-	-	-	-	-	8.77
Handlers, equipment cleaners, helpers, and laborers	9.23	8.86	-	-	9.40	-	-	-	-	10.39
Service	6.94	-	-	-	-	-	-	-	-	7.02
	Relative error ⁵ (percent)									
All occupations	3.4	7.5	-	-	10.3	-	-	-	-	4.8
All excluding sales	3.5	8.0	-	-	10.8	-	-	-	-	4.9
White collar	4.1	8.6	-	-	10.7	-	-	-	-	6.0
White-collar excluding sales	4.5	7.6	-	-	8.6	-	-	-	-	6.0
Professional specialty and technical	5.2	8.8	-	-	8.6	-	-	-	-	5.3
Professional specialty	6.2	7.0	-	-	5.7	-	-	-	-	5.9
Technical	6.2	7.3	-	-	8.3	-	-	-	-	8.3
Executive, administrative, and managerial	6.5	8.2	-	-	10.9	-	-	-	-	11.5
Sales	9.0	-	-	-	-	-	-	-	-	19.6
Administrative support, including clerical	3.7	3.6	-	-	3.6	-	-	-	-	6.0
Blue collar	3.6	5.5	-	-	7.8	-	-	-	-	6.2
Precision production, craft, and repair	7.5	5.5	-	-	11.6	-	-	-	-	-
Machine operators, assemblers, and inspectors	6.9	8.4	-	-	8.4	-	-	-	-	8.8
Transportation and material moving	5.5	7.2	-	-	-	-	-	-	-	10.2
Handlers, equipment cleaners, helpers, and laborers	6.3	3.7	-	-	8.1	-	-	-	-	9.7
Service	5.1	-	-	-	-	-	-	-	-	5.8

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

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

³ 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 ALL INDUSTRIES, PRIVATE INDUSTRY, AND STATE AND LOCAL GOVERNMENT 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, Orlando, FL, 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	\$11.51	\$12.23	\$11.34	\$11.00	\$11.59
All excluding sales	11.51	11.52	11.50	11.24	11.67
White collar	15.04	15.13	15.01	13.34	16.38
White-collar excluding sales	16.04	14.58	16.41	15.04	17.31
Professional specialty and technical	19.96	17.78	20.66	19.01	21.33
Professional specialty	22.16	19.47	22.62	23.21	22.46
Technical	16.16	16.72	15.76	14.15	17.17
Executive, administrative, and managerial	23.50	18.55	24.36	24.11	24.68
Sales	11.53	16.59	9.73	9.55	10.08
Administrative support, including clerical	10.37	10.27	10.39	8.30	11.82
Blue collar	10.64	11.07	10.52	10.35	10.71
Precision production, craft, and repair	13.26	14.89	12.70	13.16	12.00
Machine operators, assemblers, and inspectors	10.04	10.09	10.03	10.74	—
Transportation and material moving	9.06	8.12	9.37	8.68	—
Handlers, equipment cleaners, helpers, and laborers	9.23	8.56	9.38	7.92	11.05
Service	6.94	6.43	7.01	7.02	—
	Relative error ³ (percent)				
All occupations	3.4	8.3	3.7	5.8	4.8
All excluding sales	3.5	7.5	3.9	6.2	5.1
White collar	4.1	8.1	4.7	8.5	5.9
White-collar excluding sales	4.5	8.5	5.2	9.6	6.4
Professional specialty and technical	5.2	10.5	6.1	8.5	7.7
Professional specialty	6.2	12.1	6.8	6.7	8.6
Technical	6.2	10.5	7.4	9.3	11.4
Executive, administrative, and managerial	6.5	19.6	6.3	9.0	8.7
Sales	9.0	18.4	7.5	9.2	13.8
Administrative support, including clerical	3.7	4.3	4.4	2.6	3.0
Blue collar	3.6	8.6	4.0	6.2	5.0
Precision production, craft, and repair	7.5	11.7	8.7	7.5	16.3
Machine operators, assemblers, and inspectors	6.9	17.1	7.5	11.4	—
Transportation and material moving	5.5	11.9	5.5	8.1	—
Handlers, equipment cleaners, helpers, and laborers	6.3	5.4	7.2	4.3	5.8
Service	5.1	9.5	5.6	2.4	—

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

² 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.

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

Appendix A: Technical Note

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

Planning for the survey

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

Survey scope

This survey covered establishments employing 50 workers or more in goods-producing industries (mining, construction and manufacturing); service-producing industries (transportation, communications, electric, gas, and sanitary services; wholesale trade; retail trade; finance, insurance, and real estate; and services industries); and State and local governments. Agriculture, private households, and the Federal Government were excluded from the scope of the survey. For purposes of this survey an establishment is an economic unit that produces goods or services, a central administrative office, or an auxiliary unit providing support services to a company. For private industries in this survey, the establishment is usually at a single physical location. For State and local governments, an establishment is defined as all locations of a government entity.

The Orlando, FL, Metropolitan Statistical Area includes Lake, Orange, Osceola, and Seminole Counties, FL.

Sampling frame

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

Sample design

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

ployment sampling at each stage. The first stage of sample selection was a probability sample of establishments. The sample of establishments was drawn by first stratifying the sampling frame by industry and ownership. The number of sample establishments allocated to each stratum is approximately proportional to the stratum employment. Each sampled establishment is selected within a stratum with a probability proportional to its employment. Use of this technique means that the larger an establishment's employment, the greater its chance of selection. Weights were applied to each establishment when the data were tabulated so that it represents similar units (by industry and employment size) in the economy 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 generic leveling method were evaluated by BLS researchers using regression techniques. For each of the major occupational groups, wages were compared to the 10 generic level factors (and levels within those factors). The analysis showed that several of the generic level factors, most notably knowledge and supervision received, had strong explanatory power for wages. That is, as the levels within a

given factor increased, the wages also increased. 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 consid-

ers to be full time.

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

Level. A ranking of an occupation based on the requirements of the position. (See the description in the technical note 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 member, the weights of responding sample members in the same or similar "cells" were adjusted to account for the missing data. This technique assumes that the mean value of the nonrespondents equals the mean value of the respondents at some detailed "cell" level. Responding and nonresponding establishments were classified into these cells according to industry and employment size. Responding and nonre-

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

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

Survey response

	Establish- ments
Total in sample	296
Responding	189
Out of business or not in survey scope	11
Unable or refused to pro- vide data	96

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, Orlando, FL, August 1998**

Occupational group	Full-time and part-time workers		
	Total	Private industry	State and local government
All occupations	434,500	368,700	65,800
All excluding sales	394,500	329,300	65,200
White collar	206,300	161,700	44,500
White-collar excluding sales	166,300	122,300	44,000
Professional specialty and technical	71,300	47,800	23,500
Professional specialty	54,300	31,700	22,600
Technical	17,000	16,000	1,000
Executive, administrative, and managerial	24,800	18,100	6,800
Sales	40,000	39,500	—
Administrative support, including clerical	70,200	56,500	13,700
Blue collar	90,900	84,700	6,200
Precision production, craft, and repair	29,000	26,200	2,800
Machine operators, assemblers, and inspectors	14,800	14,800	—
Transportation and material moving	18,600	16,300	2,300
Handlers, equipment cleaners, helpers, and laborers	28,400	27,300	1,100
Service	137,300	122,400	15,000

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

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

See appendix B for more information.

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Appendix table 2. **Number of establishments represented by survey and the number studied by industry division and establishment employment size, Orlando, FL, 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	2,000	179	49	130	73	57
Private industry	2,000	149	48	101	60	41
Goods-producing industries	300	25	5	20	12	8
Mining	(²)	1	1	-	-	-
Construction	100	5	1	4	4	-
Manufacturing	200	19	3	16	8	8
Service-producing industries	1,700	124	43	81	48	33
Transportation and public utilities	100	11	1	10	4	6
Wholesale and retail trade	800	31	10	21	14	7
Finance, insurance and real estate	200	5	2	3	2	1
Services	600	77	30	47	28	19
State and local government	100	30	1	29	13	16

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.