

National Compensation Survey: Occupational Wages in the United States, 1999



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Preface

The National Compensation Survey (NCS) provides comprehensive measures of occupational earnings, compensation cost trends, benefit incidence, and detailed benefit provisions. It integrates three Bureau of Labor Statistics (BLS) programs—the Occupational Compensation Survey, the Employment Cost Index, and the Employee Benefits Survey. The Occupational Compensation Survey provided data on occupational earnings; the Employment Cost Index measures changes in labor costs, as well as average hourly employer costs for employee compensation; and the Employee Benefits Survey provides information on benefit incidence and detailed benefit provisions. This bulletin, a product of the first phase of the NCS, focuses on occupational earnings.

The NCS replaced the Occupational Compensation Survey. The major difference between these two surveys is that the Occupational Compensation Survey used the same preselected list of occupations for all localities in which data are collected. The NCS uses a probability-based sample of establishments and occupations that is intended to represent more fully the employment patterns and occupational mix of each locality.

This bulletin presents aggregate pay data from the 1999 local area NCS. Data for more than one-half of the 154 individual NCS localities were published previously. This bulletin provides estimates of occupational pay for the Nation, as well as 9 census divisions, metropolitan and nonmetropolitan areas, and the 10 largest metropolitan areas.

For additional information regarding this survey, please contact the information staff in the BLS National Office at (202) 691-6199. 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 send e-mail to OCLTINFO@bls.gov.

The BLS Office of Compensation and Working Conditions developed and produced this bulletin. The Directorate of Survey Processing coordinated the data file formation and tabulations. Field economists from the BLS regional offices, under the direction of the Assistant Regional Commissioners for Operations, collected the survey data. BLS thanks all survey respondents for their cooperation, without which this bulletin would not have been possible.

The data contained in this bulletin also are available at the BLS Internet site (<http://stats.bls.gov/comhome.htm>). 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 database or spreadsheet, and a Portable Document Format (PDF) containing the entire bulletin.

Supplemental tables that are not included in this bulletin also are available at the BLS Internet site. These tables provide distributions of hourly earnings at the 10th, 25th, 50th (median), 75th, and 90th percentile positions for selected occupations. Earnings data are available for all workers, private industry, and State and local government. Further detail for full- and part-time workers also is provided.

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TABLE 1-1. Summary, United States: Mean hourly earnings¹ and weekly hours by selected characteristics, private industry and State and local government, National Compensation Survey,² 1999

Worker and establishment characteristics and geographic areas	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ³ (percent)		Mean	Relative error ³ (percent)		Mean	Relative error ³ (percent)	
Total	\$15.36	1.3	35.8	\$14.71	1.4	35.7	\$19.34	0.7	36.6
Worker characteristics:⁴									
White-collar occupations ⁵	18.78	1.4	35.9	18.12	1.7	35.8	21.84	.8	36.4
Professional specialty and technical ...	24.75	2.3	35.7	24.17	3.4	35.7	26.04	.8	35.9
Executive, administrative, and managerial	27.67	1.9	39.9	28.01	2.1	40.2	25.89	2.5	38.5
Sales	12.84	2.7	32.9	12.84	2.7	32.8	12.16	6.2	33.9
Administrative support	12.20	.9	36.1	12.17	1.1	36.0	12.37	.8	36.4
Blue-collar occupations ⁵	13.03	1.0	38.2	12.93	1.1	38.3	15.02	1.2	37.5
Precision production, craft, and repair	16.51	1.2	39.6	16.47	1.3	39.6	17.06	1.7	39.8
Machine operators, assemblers, and inspectors	11.41	2.1	39.4	11.39	2.1	39.4	14.38	6.5	38.4
Transportation and material moving ...	12.92	1.8	37.6	12.79	2.0	38.1	13.96	1.7	34.0
Handlers, equipment cleaners, helpers, and laborers	9.86	2.3	35.5	9.73	2.4	35.4	12.44	2.5	38.5
Service occupations ⁵	9.21	1.1	31.6	7.94	.9	30.6	14.41	1.3	36.8
Full time	16.20	1.4	39.6	15.59	1.6	39.7	19.72	.8	38.8
Part time	8.87	1.7	20.5	8.51	1.9	20.6	13.43	2.5	19.2
Union	18.31	1.2	36.5	16.57	1.6	36.3	21.07	1.1	36.7
Nonunion	14.76	1.5	35.6	14.46	1.6	35.6	17.80	1.5	36.5
Time	15.13	1.2	35.7	14.40	1.4	35.5	19.34	.7	36.6
Incentive	19.60	5.2	37.9	19.60	5.2	37.9	-	-	-
Establishment characteristics:									
Goods producing	(⁶)	(⁶)	(⁶)	16.17	1.5	39.5	(⁶)	(⁶)	(⁶)
Service producing	(⁶)	(⁶)	(⁶)	14.16	1.8	34.4	(⁶)	(⁶)	(⁶)
1 to 99 workers ⁷	13.46	2.2	34.5	13.44	2.2	34.5	15.03	3.8	36.1
100 to 499 workers	14.71	2.3	36.5	14.37	2.5	36.6	17.99	1.5	35.6
500 to 999 workers	17.35	1.5	37.0	16.61	1.9	37.3	19.89	2.1	35.9
1,000 to 2,499 workers	17.05	6.2	36.8	16.34	8.1	37.1	19.02	1.8	36.0
2,500 workers or more	21.02	1.0	37.4	21.96	1.6	37.2	20.23	1.1	37.6
Geographic areas:⁸									
Metropolitan	15.63	1.2	35.7	14.99	1.4	35.5	20.06	.7	36.6
Nonmetropolitan	12.86	4.9	37.0	11.54	5.7	37.1	16.29	2.3	36.6
New England	17.18	4.2	34.6	16.54	5.2	34.5	21.82	2.2	35.4
Middle Atlantic	17.84	3.7	34.8	17.05	4.5	34.7	22.45	1.6	35.5
East North Central	15.55	1.8	35.6	14.82	2.0	35.5	20.32	2.1	36.0
West North Central	14.37	2.8	35.3	13.84	3.2	35.1	18.11	2.2	36.9
South Atlantic	14.49	2.9	36.3	14.04	3.5	36.0	16.84	1.5	38.0
East South Central	12.13	5.0	37.6	11.76	5.5	37.6	16.23	2.7	37.0
West South Central	14.38	3.5	36.8	13.98	4.0	36.6	16.38	2.0	38.0
Mountain	14.10	2.9	35.7	13.26	3.2	35.5	19.00	3.5	36.9
Pacific	16.87	1.7	35.3	16.01	2.0	35.3	22.13	1.2	35.6

¹ Earnings are the straight-time hourly wages or salaries paid to employees. They include incentive pay, cost-of-living adjustments, and hazard pay. Excluded are premium pay for overtime, vacations, 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 This survey covers all 50 States. Collection was conducted between September 1998 and April 2000. The average reference period was September 1999. For the first time, estimates include workers in private establishments employing fewer than 50 workers.

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.

⁴ Employees are classified as working either a full-time or a part-time schedule based on the definition used by each establishment. Union workers are those whose wages are determined through collective bargaining. Wages of time workers

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

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

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

⁷ Estimates include private establishments employing 1 to 99 workers and State and local government establishments employing 50 to 99 workers.

⁸ Data are presented for metropolitan and nonmetropolitan area divisions as well as nine census divisions. See appendix E for a list of survey areas and States comprising the nine census divisions.

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

TABLE 1-2. State and local government: Mean hourly earnings,¹ and weekly hours by selected characteristics, National Compensation Survey,² 1999

Worker and establishment characteristics and geographic areas	State and local government			State government			Local government		
	Hourly earnings		Weekly hours	Hourly earnings		Weekly hours	Hourly earnings		Weekly hours
	Mean	Relative error ³ (percent)		Mean	Relative error ³ (percent)		Mean	Relative error ³ (percent)	
Total	\$19.34	0.7	36.6	\$18.78	1.9	38.7	\$19.56	0.7	35.8
Worker characteristics:⁴									
White-collar occupations ⁵	21.84	.8	36.4	20.72	2.1	38.4	22.35	.7	35.5
Professional specialty and technical	26.04	.8	35.9	24.61	2.7	38.0	26.59	.8	35.1
Executive, administrative, and managerial	25.89	2.5	38.5	23.94	4.8	39.3	27.24	1.7	38.0
Sales	12.16	6.2	33.9	13.73	5.6	37.5	11.23	9.1	32.1
Administrative support	12.37	.8	36.4	12.46	1.5	38.5	12.33	1.0	35.4
Blue-collar occupations ⁵	15.02	1.2	37.5	14.42	2.2	39.2	15.19	1.4	37.1
Precision production, craft, and repair	17.06	1.7	39.8	15.27	2.6	39.8	17.88	1.9	39.8
Machine operators, assemblers, and inspectors	14.38	6.5	38.4	12.39	7.6	38.9	15.06	7.5	38.2
Transportation and material moving	13.96	1.7	34.0	14.84	3.6	39.2	13.86	1.9	33.5
Handlers, equipment cleaners, helpers, and laborers	12.44	2.5	38.5	11.45	5.4	37.2	12.66	2.8	38.8
Service occupations ⁵	14.41	1.3	36.8	14.13	2.4	39.2	14.51	1.6	36.0
Full time	19.72	.8	38.8	18.78	1.9	39.6	20.11	.7	38.5
Part time	13.43	2.5	19.2	18.63	4.2	19.4	12.77	3.2	19.2
Union	21.07	1.1	36.7	18.50	2.5	38.4	21.97	.9	36.2
Nonunion	17.80	1.5	36.5	18.99	3.7	38.9	17.25	1.1	35.5
Establishment characteristics:									
1 to 99 workers ⁶	15.03	3.8	36.1	14.79	5.0	38.9	15.06	4.1	35.8
100 to 499 workers	17.99	1.5	35.6	16.25	4.4	37.7	18.22	1.5	35.3
500 to 999 workers	19.89	2.1	35.9	16.67	3.5	38.5	20.53	2.2	35.4
1,000 to 2,499 workers	19.02	1.8	36.0	16.92	4.3	38.6	19.70	1.7	35.2
2,500 workers or more	20.23	1.1	37.6	19.82	2.1	38.8	20.53	1.1	36.7
Geographic areas:⁷									
Metropolitan	20.06	.7	36.6	19.30	1.9	38.6	20.37	.7	35.9
Nonmetropolitan	16.29	2.3	36.6	16.59	5.5	38.9	16.17	2.1	35.8
New England	21.82	2.2	35.4	20.89	4.0	37.3	22.39	1.7	34.3
Middle Atlantic	22.45	1.6	35.5	21.11	2.6	38.4	22.85	1.9	34.7
East North Central	20.32	2.1	36.0	20.38	5.7	38.5	20.30	1.8	34.9
West North Central	18.11	2.2	36.9	17.55	4.6	39.6	18.38	2.3	35.7
South Atlantic	16.84	1.5	38.0	16.43	3.5	39.9	17.05	1.3	37.1
East South Central	16.23	2.7	37.0	16.53	3.9	37.4	16.15	4.4	36.8
West South Central	16.38	2.0	38.0	15.85	2.4	38.9	16.56	2.3	37.8
Mountain	19.00	3.5	36.9	21.58	6.5	38.6	17.95	2.7	36.3
Pacific	22.13	1.2	35.6	20.29	2.2	37.3	22.77	1.3	35.0

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 This survey covers all 50 States. Collection was conducted between September 1998 and April 2000. The average reference period was September 1999. For the first time, estimates include workers in private establishments employing fewer than 50 workers.

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.

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.

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 Estimates include private establishments employing 1 to 99 workers and State and local government establishments employing 50 to 99 workers.

⁷ Data are presented for metropolitan and nonmetropolitan area divisions as well as nine census divisions. See appendix E for a list of survey areas and States comprising the nine census divisions.

TABLE 2-1. United States, selected occupations: Mean hourly earnings¹ and weekly hours for full-time and part-time workers,² National Compensation Survey,³ 1999

Occupation ⁴	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
All	\$15.36	1.3	35.8	\$16.20	1.4	39.6	\$8.87	1.7	20.5
All, excluding sales	15.63	1.3	36.1	16.33	1.4	39.6	9.37	2.0	20.4
White collar	18.78	1.4	35.9	19.70	1.4	39.5	10.89	2.4	20.0
White collar, excluding sales	20.16	1.4	36.7	20.64	1.4	39.4	14.02	2.8	19.3
Professional specialty and technical	24.75	2.3	35.7	25.11	2.5	38.9	20.27	4.6	17.7
Professional specialty	26.87	2.8	35.7	27.17	2.9	38.9	22.75	5.3	16.9
Engineers, architects, and surveyors	29.36	3.4	40.5	29.36	3.4	40.6	28.93	7.4	22.9
Architects	20.94	8.5	39.7	20.91	8.5	39.8	-	-	-
Aerospace engineers	32.75	3.9	40.1	32.75	3.9	40.1	-	-	-
Metallurgical and materials engineers	27.98	4.8	40.2	27.98	4.8	40.2	-	-	-
Petroleum engineers	33.58	8.7	40.2	33.58	8.7	40.2	-	-	-
Chemical engineers	35.42	3.4	40.0	35.44	3.4	40.1	-	-	-
Nuclear engineers	34.01	2.2	40.7	34.01	2.2	40.7	-	-	-
Civil engineers	26.57	3.4	40.4	26.57	3.4	40.4	-	-	-
Electrical and electronic engineers	32.10	3.5	41.0	32.10	3.5	41.0	-	-	-
Industrial engineers	24.85	4.9	40.6	24.85	5.0	40.6	-	-	-
Mechanical engineers	24.89	3.5	41.1	24.89	3.5	41.2	-	-	-
Engineers, n.e.c.	34.34	8.5	40.4	34.34	8.5	40.5	-	-	-
Surveyors and mapping scientists	28.52	8.4	39.8	28.56	8.4	39.9	-	-	-
Mathematical and computer scientists	28.34	2.3	40.0	28.23	2.2	40.1	48.98	30.4	29.6
Computer systems analysts and scientists	28.49	2.4	40.0	28.50	2.4	40.1	23.33	8.7	26.4
Operations and systems researchers and analysts	27.70	6.2	39.8	26.96	5.0	40.0	-	-	-
Actuaries	30.75	8.8	38.6	30.75	8.8	38.6	-	-	-
Statisticians	23.93	7.9	38.3	23.93	7.9	38.3	-	-	-
Mathematical scientists, n.e.c.	33.44	18.1	40.0	33.44	18.1	40.0	-	-	-
Natural scientists	26.23	2.3	39.7	26.23	2.3	40.0	26.92	11.1	20.6
Physicists and astronomers	37.84	7.6	40.0	37.84	7.6	40.0	-	-	-
Chemists, except biochemists	29.16	3.9	40.2	29.16	3.9	40.2	-	-	-
Atmospheric and space scientists	23.21	14.5	41.3	23.21	14.5	41.3	-	-	-
Geologists and geodesists	28.27	8.4	41.4	28.27	8.4	41.4	-	-	-
Physical scientists, n.e.c.	26.44	4.3	39.8	26.45	4.3	39.8	-	-	-
Agricultural and food scientists	22.91	8.6	39.8	22.56	8.4	39.9	-	-	-
Biological and life scientists	23.03	4.4	39.4	23.08	4.5	39.6	-	-	-
Forestry and conservation scientists	21.26	5.9	40.1	21.26	5.9	40.1	-	-	-
Medical scientists	25.04	7.0	38.5	24.98	7.3	39.7	27.02	11.2	19.6
Health related	27.12	10.7	34.1	27.39	12.6	39.5	25.79	7.5	20.4
Physicians	63.07	23.0	36.7	62.10	25.8	41.5	73.25	4.0	16.5
Dentists	40.34	11.0	30.9	42.44	12.2	39.6	-	-	-
Optometrists	38.37	4.3	37.3	37.78	5.6	39.9	-	-	-
Registered nurses	21.14	1.2	33.4	20.95	1.4	39.1	21.93	1.6	20.8
Pharmacists	27.17	7.3	33.2	27.57	8.3	39.2	24.94	13.5	17.9
Dietitians	17.68	3.7	36.7	17.56	4.2	39.7	18.81	4.6	20.8
Respiratory therapists	18.07	1.8	34.8	18.10	2.0	39.2	17.90	3.5	20.8
Occupational therapists	22.38	7.1	34.0	22.19	8.4	39.0	23.46	4.7	19.9
Physical therapists	23.84	4.4	36.0	23.15	4.6	39.6	27.95	5.1	23.1
Speech therapists	24.72	5.6	33.7	24.61	6.3	38.0	25.52	5.9	18.3
Therapists, n.e.c.	18.43	6.0	35.8	17.42	3.1	39.0	25.44	23.8	23.0
Physicians' assistants	32.55	6.8	39.3	32.75	6.5	39.8	-	-	-
Teachers, college and university	35.61	2.0	32.4	36.03	2.0	39.1	31.13	5.0	11.5
Earth, environmental, and marine science teachers	34.21	10.3	37.0	34.15	10.4	37.7	-	-	-
Biological science teachers	37.78	7.5	36.8	37.42	7.7	39.1	48.65	15.7	13.2
Chemistry teachers	37.45	12.4	40.3	37.36	12.6	41.5	-	-	-
Physics teachers	49.29	12.0	37.0	49.29	12.0	37.2	-	-	-
Natural science teachers, n.e.c.	41.45	5.3	37.9	41.61	5.4	38.9	-	-	-
Psychology teachers	33.91	8.7	34.9	34.31	9.0	39.5	22.95	6.9	8.5
Economics teachers	40.51	7.1	48.0	40.51	7.1	48.0	-	-	-
History teachers	35.25	6.1	37.9	35.25	6.2	40.7	-	-	-
Political science teachers	38.49	14.0	37.0	34.52	10.1	39.7	-	-	-
Sociology teachers	40.51	7.8	37.4	40.71	7.7	39.3	-	-	-
Social science teachers, n.e.c.	36.69	3.4	38.2	36.85	3.4	39.5	22.93	31.2	9.5
Engineering teachers	43.57	10.0	38.7	43.67	10.4	41.8	41.51	14.2	16.0

See footnotes at end of table.

TABLE 2-1. United States, selected occupations: Mean hourly earnings¹ and weekly hours for full-time and part-time workers,² National Compensation Survey,³ 1999—Continued

Occupation ⁴	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar –Continued									
Professional specialty and technical –Continued									
Professional specialty –Continued									
Teachers, college and university –Continued									
Mathematical science teachers	\$35.92	8.3	34.9	\$36.65	8.3	38.7	\$23.60	8.3	13.0
Computer science teachers	30.93	12.6	29.6	33.37	13.3	38.9	24.78	4.2	18.4
Medical science teachers	49.02	6.7	36.8	46.83	7.6	41.4	68.44	11.5	18.5
Health specialties teachers	33.85	8.0	36.1	34.16	8.2	38.7	24.91	8.6	12.4
Business, commerce, and marketing teachers ..	37.46	7.4	35.2	37.59	7.6	38.8	33.00	9.3	8.4
Agriculture and forestry teachers	43.40	24.3	35.3	43.40	24.3	35.3	—	—	—
Art, drama, and music teachers	29.65	6.2	32.2	30.13	6.7	38.5	26.02	5.1	14.4
Physical education teachers	34.03	9.0	28.3	34.80	9.7	37.8	27.21	9.8	8.7
Education teachers	35.69	8.5	33.3	36.26	8.4	38.9	23.28	11.2	8.1
English teachers	37.74	9.8	34.6	38.18	10.1	38.3	27.50	5.0	10.5
Foreign language teachers	26.98	18.9	31.1	25.59	19.8	40.9	37.50	28.3	11.1
Law teachers	48.64	9.4	36.8	50.54	9.1	41.2	—	—	—
Social work teachers	25.91	9.9	26.6	27.15	10.8	40.1	—	—	—
Theology teachers	37.94	11.6	38.4	38.01	11.6	39.1	—	—	—
Trade and industrial teachers	29.04	3.5	17.3	28.96	3.5	38.1	—	—	—
Other post-secondary teachers	32.28	2.5	29.4	33.07	2.6	38.7	26.98	5.7	11.3
Teachers, except college and university	26.42	1.4	34.6	26.95	1.3	36.8	15.98	7.4	16.0
Prekindergarten and kindergarten	16.33	8.1	35.2	17.32	8.3	38.1	10.48	8.0	24.4
Elementary school teachers	27.82	1.2	36.1	27.90	1.2	36.7	22.41	8.3	17.9
Secondary school teachers	28.70	1.3	36.7	28.68	1.3	37.1	30.07	5.4	21.3
Teachers, special education	27.24	6.1	35.5	27.35	6.3	36.4	23.09	14.5	18.7
Teachers, n.e.c.	26.19	3.5	30.2	27.04	3.8	36.1	17.76	8.8	11.6
Substitute teachers	10.55	4.4	15.4	11.73	14.0	32.3	10.39	4.7	14.3
Vocational and educational counselors	23.79	4.9	36.8	23.88	5.1	38.0	21.46	10.8	19.9
Librarians, archivists, and curators	21.65	4.3	37.3	21.77	4.4	38.6	18.22	9.9	18.5
Librarians	22.01	3.9	37.1	22.16	4.0	38.5	18.33	10.5	19.3
Archivists and curators	19.87	12.3	38.1	19.92	12.5	39.4	—	—	—
Social scientists and urban planners	25.11	3.3	36.7	25.04	3.5	39.1	26.57	11.1	15.0
Economists	28.14	4.7	39.8	28.14	4.7	39.8	—	—	—
Psychologists	25.19	4.0	35.8	25.11	4.2	38.9	26.63	11.1	15.7
Sociologists	18.32	4.9	39.3	18.32	4.9	39.3	—	—	—
Social scientists, n.e.c.	16.10	19.2	37.5	16.08	19.2	39.2	—	—	—
Urban planners	22.69	4.3	36.3	22.73	4.3	39.3	—	—	—
Social, recreation, and religious workers	14.46	6.7	35.0	14.49	6.7	39.3	13.91	8.9	10.4
Social workers	14.51	7.2	35.0	14.53	7.1	39.2	—	—	—
Recreation workers	13.64	3.7	33.1	13.85	4.1	39.3	11.84	8.5	14.2
Clergy	12.89	13.7	42.9	12.82	14.2	45.7	14.84	9.1	16.6
Religious workers, n.e.c.	18.70	18.2	37.1	18.66	18.4	39.7	—	—	—
Lawyers and judges	38.51	3.3	39.4	38.62	3.3	40.2	29.14	11.5	14.6
Lawyers	38.30	3.3	39.5	38.40	3.3	40.2	29.07	12.1	15.3
Judges	48.21	9.7	36.0	48.58	9.7	39.7	30.83	11.4	6.8
Writers, authors, entertainers, athletes, and professionals, n.e.c.	22.86	3.9	32.2	23.76	3.9	37.8	15.22	11.7	14.2
Technical writers	20.71	9.1	38.5	20.64	9.5	39.9	—	—	—
Designers	21.03	6.9	38.9	21.33	6.9	39.9	—	—	—
Musicians and composers	17.27	16.9	17.4	—	—	—	16.78	19.3	10.4
Actors and directors	24.86	20.2	35.4	26.19	21.4	40.5	14.81	29.8	18.1
Painters, sculptors, craft artists, and artist printmakers	19.24	13.6	39.1	19.40	13.9	40.1	—	—	—
Photographers	18.26	8.2	39.5	18.13	8.4	40.1	—	—	—
Dancers	15.82	17.0	19.7	—	—	—	12.90	16.8	17.7
Artists, performers, and related workers, n.e.c.	12.55	10.4	28.7	13.24	15.6	38.9	11.54	10.4	20.7
Editors and reporters	24.30	6.2	38.5	24.49	6.2	39.6	13.49	18.1	15.5
Public relations specialists	22.07	7.5	38.2	22.13	7.6	39.3	17.26	9.2	12.8
Announcers	17.55	29.3	26.2	20.09	32.0	35.9	8.60	14.9	13.4
Professional, n.e.c.	26.65	4.9	39.2	26.70	4.8	39.8	24.86	21.6	24.7
Technical	17.91	1.5	35.7	18.26	1.5	39.1	14.59	4.4	19.7
Clinical laboratory technologists and technicians	15.69	3.6	36.9	15.59	3.7	38.5	17.42	4.5	21.4

See footnotes at end of table.

TABLE 2-1. **United States, selected occupations: Mean hourly earnings¹ and weekly hours for full-time and part-time workers,² National Compensation Survey,³ 1999–Continued**

Occupation ⁴	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar –Continued									
Professional specialty and technical –Continued									
Technical –Continued									
Dental hygienists	\$25.72	6.0	22.3	\$27.15	5.2	35.1	\$23.32	11.3	13.8
Health record technologists and technicians	11.67	7.2	35.9	11.52	7.7	39.0	13.15	8.6	20.2
Radiological technicians	19.02	5.4	35.6	19.12	5.9	39.6	18.28	5.6	20.7
Licensed practical nurses	13.40	1.2	34.4	13.37	1.3	39.4	13.57	2.4	20.7
Health technologists and technicians, n.e.c.	13.31	2.2	31.8	13.76	1.7	39.5	11.33	5.0	17.2
Electrical and electronic technicians	18.07	3.5	38.8	18.60	2.4	40.0	–	–	–
Industrial engineering technicians	19.37	5.0	40.4	19.37	5.0	40.4	–	–	–
Mechanical engineering technicians	20.88	4.3	40.0	20.93	4.3	40.2	–	–	–
Engineering technicians, n.e.c.	19.01	2.7	39.4	18.95	2.6	39.9	21.05	10.4	27.8
Drafters	17.95	2.8	39.7	18.01	2.8	40.1	12.03	19.3	21.2
Surveying and mapping technicians	15.27	8.8	39.9	15.27	8.8	39.9	–	–	–
Biological technicians	14.99	8.0	31.1	16.57	5.3	39.6	–	–	–
Chemical technicians	17.84	3.4	39.8	17.87	3.4	40.0	–	–	–
Science technicians, n.e.c.	17.40	2.7	37.4	17.34	2.7	38.6	18.88	16.2	20.1
Airplane pilots and navigators	85.03	10.1	22.6	89.91	9.0	23.3	–	–	–
Broadcast equipment operators	15.31	11.5	36.7	16.13	12.2	39.9	8.56	6.7	22.3
Computer programmers	22.29	3.5	38.8	22.11	3.5	39.7	–	–	–
Tool programmers, numerical control	17.87	5.9	40.2	17.87	5.9	40.2	–	–	–
Legal assistants	16.30	3.5	37.1	16.56	3.3	39.5	–	–	–
Technical and related, n.e.c.	18.15	2.9	38.5	18.34	3.0	39.7	13.54	5.4	22.4
Executive, administrative, and managerial									
Executives, administrators, and managers	30.69	2.2	40.5	30.75	2.2	40.9	19.99	6.2	14.8
Legislators	15.74	19.1	12.4	12.97	27.1	33.5	20.05	22.4	6.3
Chief executives and general administrators, public administration	28.96	41.3	45.1	28.96	41.3	45.1	–	–	–
Administrators and officials, public administration	26.87	2.6	38.9	26.88	2.5	39.5	24.63	42.4	9.9
Financial managers	32.32	6.8	40.4	32.36	6.8	40.7	–	–	–
Personnel and labor relations managers	29.92	8.7	41.1	29.95	8.7	41.2	–	–	–
Purchasing managers	27.96	3.0	42.8	27.96	3.0	42.8	–	–	–
Managers, marketing, advertising, and public relations	38.03	6.5	40.9	38.05	6.4	41.0	–	–	–
Administrators, education and related fields	32.26	2.7	39.2	32.36	2.7	39.6	24.20	14.6	20.8
Managers, medicine and health	29.73	4.2	38.8	29.77	4.3	39.8	–	–	–
Managers, food servicing and lodging establishments	15.91	4.3	42.3	16.09	4.4	43.3	10.30	5.8	24.9
Managers, properties and real estate	20.74	7.4	39.8	20.81	7.4	40.4	–	–	–
Funeral directors	22.38	10.7	44.9	22.38	10.7	44.9	–	–	–
Managers, service organizations, n.e.c.	28.06	8.4	39.1	28.11	8.6	39.7	–	–	–
Managers and administrators, n.e.c.	31.42	3.5	41.1	31.44	3.5	41.2	18.53	30.3	19.2
Management related	22.19	2.3	39.0	22.23	2.3	39.9	18.73	8.3	13.4
Accountants and auditors	21.14	2.4	39.4	21.12	2.4	39.7	23.07	18.3	21.2
Underwriters	22.24	7.1	39.2	22.24	7.1	39.2	–	–	–
Other financial officers	23.40	4.5	39.7	23.39	4.6	39.8	26.06	14.2	24.1
Management analysts	25.03	4.1	40.1	25.00	4.1	40.2	–	–	–
Personnel, training, and labor relations specialists	20.64	3.3	36.3	20.74	3.2	39.7	–	–	–
Purchasing agents and buyers, farm products ..	16.20	19.0	39.8	16.20	19.0	39.8	–	–	–
Buyers, wholesale and retail trade, except farm products	19.39	5.4	39.9	19.29	5.3	41.1	–	–	–
Purchasing agents and buyers, n.e.c.	23.89	7.0	40.0	23.89	7.0	40.0	–	–	–
Business and promotional agents	14.86	18.7	39.2	14.86	18.7	39.2	–	–	–
Construction inspectors	20.69	3.5	39.4	20.75	3.5	40.0	17.53	25.1	20.8
Inspectors and compliance officers, except construction	20.47	3.6	39.0	20.50	3.6	39.3	–	–	–
Management related, n.e.c.	23.18	6.4	39.0	23.32	6.5	40.1	16.92	7.3	17.3
Sales									
Supervisors, sales	16.10	3.6	41.1	16.20	3.6	41.5	8.69	20.7	23.8

See footnotes at end of table.

TABLE 2-1. **United States, selected occupations: Mean hourly earnings¹ and weekly hours for full-time and part-time workers,² National Compensation Survey,³ 1999—Continued**

Occupation ⁴	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar —Continued									
Sales —Continued									
Insurance sales	\$20.13	6.6	38.1	\$20.44	7.1	39.3	\$13.20	19.7	22.8
Real estate sales	21.20	17.4	34.1	21.90	19.1	37.5	—	—	—
Securities and financial services sales	32.51	12.0	39.5	32.64	12.0	39.6	—	—	—
Advertising and related sales	23.46	17.2	38.5	23.96	17.1	39.5	8.72	5.9	21.8
Sales, other business services	19.31	6.5	37.7	20.11	7.1	40.5	9.89	14.2	20.9
Sales engineers	30.60	5.1	41.3	30.60	5.1	41.3	—	—	—
Sales representatives, mining, manufacturing, and wholesale	22.95	4.5	40.4	23.13	4.5	40.6	—	—	—
Sales workers, motor vehicles and boats	20.71	4.5	45.4	20.71	4.5	45.5	—	—	—
Sales workers, apparel	8.99	11.2	26.5	11.15	16.3	38.5	6.86	3.0	20.4
Sales workers, shoes	7.97	6.3	26.6	10.33	13.4	38.9	6.61	3.5	22.5
Sales workers, furniture and home furnishings ..	11.36	13.4	30.0	14.27	15.6	39.8	7.01	5.0	21.9
Sales workers, radio, tv, hi-fi, and appliances ...	13.80	11.7	35.4	14.85	10.9	39.7	7.03	5.4	20.8
Sales workers, hardware and building supplies ..	11.61	5.0	37.4	12.06	5.3	40.6	8.18	3.1	23.7
Sales workers, parts	12.95	7.6	38.7	13.47	7.0	40.6	6.00	2.1	23.8
Sales workers, other commodities	10.62	7.9	29.6	12.59	8.9	39.7	7.14	2.5	20.5
Sales counter clerks	7.35	4.2	30.1	7.92	4.8	39.2	6.32	3.5	21.2
Cashiers	7.96	6.8	29.7	8.76	8.9	39.3	6.61	1.2	21.0
Street and door-to-door sales workers	11.50	22.3	22.7	19.91	19.5	37.0	7.25	14.2	19.0
News vendors	8.50	5.8	23.7	—	—	—	8.09	6.5	22.5
Demonstrators, promoters, and models, sales ..	23.21	27.4	30.3	—	—	—	7.72	5.6	15.2
Sales support, n.e.c.	11.97	5.2	35.3	12.89	5.5	40.3	7.69	5.8	22.5
Administrative support, including clerical	12.20	.9	36.1	12.50	.9	39.3	9.50	1.5	20.9
Supervisors, general office	16.35	3.2	39.8	16.32	3.2	40.0	19.53	10.4	26.7
Supervisors, computer equipment operators	19.44	10.9	40.3	19.44	10.9	40.3	—	—	—
Supervisors, financial records processing	18.07	4.2	39.3	18.07	4.2	39.4	—	—	—
Chief communications operators	19.73	8.0	40.0	19.73	8.0	40.0	—	—	—
Supervisors, distribution, scheduling, and adjusting clerks	18.83	3.9	40.1	18.84	3.9	40.2	—	—	—
Computer operators	14.54	2.4	39.3	14.57	2.4	39.7	10.37	18.4	18.3
Peripheral equipment operators	11.33	4.8	38.5	11.26	4.9	39.7	—	—	—
Secretaries	13.55	3.0	37.6	13.69	3.1	39.0	11.24	3.6	23.4
Stenographers	13.73	5.2	36.2	13.77	5.7	39.1	13.43	5.9	21.5
Typists	12.29	2.0	36.2	12.38	2.1	38.5	11.10	3.3	20.5
Interviewers	9.50	3.5	28.5	10.39	2.3	39.1	8.16	4.3	20.2
Hotel clerks	8.73	3.7	36.2	8.90	3.7	40.6	7.64	9.5	21.4
Transportation ticket and reservation agents	12.97	4.0	36.0	13.22	4.0	39.8	11.37	6.0	22.4
Receptionists	9.74	2.4	33.2	10.07	2.7	39.2	8.10	2.3	18.9
Information clerks, n.e.c.	11.48	5.9	34.6	11.52	3.5	39.1	11.33	19.8	24.3
Classified ad clerks	11.38	5.8	35.4	11.68	6.6	38.2	—	—	—
Correspondence clerks	11.59	4.5	36.1	11.86	4.6	39.8	—	—	—
Order clerks	12.37	2.4	37.2	12.75	2.3	39.8	8.79	5.0	22.8
Personnel clerks, except payroll and timekeeping	13.09	2.5	38.5	13.14	2.6	39.5	11.59	5.3	22.2
Library clerks	10.87	2.1	30.2	11.34	2.5	37.9	9.34	3.2	18.3
File clerks	8.80	3.7	34.2	9.07	4.3	39.5	7.41	5.5	19.8
Records clerks, n.e.c.	11.69	2.1	37.9	11.79	2.1	39.4	9.89	5.2	23.0
Bookkeepers, accounting and auditing clerks ...	12.06	1.2	36.6	12.25	1.3	39.5	9.76	3.5	19.1
Payroll and timekeeping clerks	13.36	2.4	33.5	13.57	2.4	39.7	10.81	16.9	11.7
Billing clerks	10.83	4.5	37.9	10.88	4.8	39.7	10.04	3.2	20.7
Cost and rate clerks	15.61	14.4	40.0	15.61	14.4	40.0	—	—	—
Billing, posting, and calculating machine operators	9.83	4.4	34.6	9.89	5.7	39.1	9.64	4.4	24.8
Duplicating machine operators	10.46	4.7	37.1	10.69	5.4	39.8	8.91	4.3	25.5
Mail preparing and paper handling machine operators	9.74	6.2	35.2	10.03	6.4	39.0	7.46	5.1	20.1
Office machine operators, n.e.c.	8.62	3.9	37.7	8.71	4.2	39.7	7.26	5.4	21.4
Telephone operators	11.38	2.6	34.8	11.91	2.6	39.0	8.65	2.9	22.3
Communications equipment operators, n.e.c. ...	10.86	4.6	26.2	11.42	3.9	39.5	8.61	9.2	11.2
Mail clerks, except postal service	9.31	4.2	36.6	9.56	5.1	39.0	7.52	3.8	25.2

See footnotes at end of table.

TABLE 2-1. **United States, selected occupations: Mean hourly earnings¹ and weekly hours for full-time and part-time workers,² National Compensation Survey,³ 1999—Continued**

Occupation ⁴	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar —Continued									
Administrative support, including clerical —Continued									
Messengers	\$8.70	6.1	30.4	\$8.86	7.7	39.0	\$8.28	10.9	19.0
Dispatchers	13.21	3.5	38.7	13.33	3.7	40.1	10.29	7.9	20.0
Production coordinators	14.96	5.6	39.4	15.03	5.7	40.0	7.89	4.4	15.8
Traffic, shipping and receiving clerks	11.36	2.8	37.9	11.46	2.9	39.8	9.81	6.4	21.9
Stock and inventory clerks	11.20	2.2	36.0	11.57	2.2	39.6	8.10	5.5	20.5
Meter readers	14.75	3.0	39.6	14.79	3.1	40.0	13.98	6.7	32.3
Weighers, measurers, checkers, and samplers	13.81	6.8	36.1	14.13	7.2	40.0	9.94	16.7	16.8
Expeditors	11.94	4.4	38.3	12.15	4.6	39.8	8.84	8.5	24.0
Material recording, scheduling, and distribution clerks, n.e.c.	12.25	8.9	37.3	12.70	9.7	39.9	7.85	6.3	22.7
Insurance adjusters, examiners, and investigators	16.70	2.4	38.1	16.77	2.3	38.5	—	—	—
Investigators and adjusters, except insurance ...	12.59	2.4	38.6	12.69	2.5	39.8	9.98	7.5	21.2
Eligibility clerks, social welfare	14.31	4.8	38.7	14.42	4.7	39.3	9.84	6.1	24.6
Bill and account collectors	11.90	3.9	37.8	11.97	4.0	39.4	10.39	14.3	20.3
General office clerks	11.14	1.3	34.1	11.49	1.4	39.3	9.24	5.1	20.0
Bank tellers	9.22	2.2	32.6	9.47	2.2	39.1	8.39	2.3	21.0
Proofreaders	13.42	13.8	37.4	13.67	13.7	39.7	—	—	—
Data entry keyers	10.55	2.1	36.4	10.68	2.3	39.5	9.56	7.3	23.3
Statistical clerks	11.39	4.4	38.6	11.41	4.5	39.7	10.20	7.4	17.7
Teachers' aides	9.76	2.0	30.8	9.40	2.0	35.4	10.81	4.4	22.2
Administrative support, n.e.c.	11.74	1.8	36.3	12.01	2.0	39.3	9.53	4.8	22.2
Blue collar	13.03	1.0	38.2	13.30	1.2	40.0	8.43	3.6	21.7
Precision production, craft, and repair	16.51	1.2	39.6	16.52	1.2	39.9	15.03	11.9	21.8
Supervisors, mechanics and repairers	21.03	2.5	40.7	21.03	2.5	40.7	—	—	—
Automobile mechanics	15.26	4.6	40.2	15.26	4.6	40.2	—	—	—
Automobile mechanic apprentices	11.22	10.5	36.7	11.34	11.4	40.0	—	—	—
Bus, truck, and stationary engine mechanics	14.30	6.8	39.6	14.35	6.9	40.1	—	—	—
Aircraft engine mechanics	21.19	4.9	40.0	21.19	4.9	40.0	—	—	—
Small engine repairers	11.60	6.7	39.7	11.64	6.7	40.0	—	—	—
Automobile body and related repairers	16.86	9.2	40.7	16.86	9.2	40.7	—	—	—
Aircraft mechanics, except engine	20.61	3.4	40.1	20.61	3.4	40.1	—	—	—
Heavy equipment mechanics	17.53	3.8	40.0	17.54	3.8	40.0	—	—	—
Farm equipment mechanics	12.40	8.9	40.7	12.40	8.9	40.7	—	—	—
Industrial machinery repairers	17.17	2.0	39.9	17.17	2.0	39.9	—	—	—
Machinery maintenance	13.61	4.7	38.0	14.06	3.6	39.9	—	—	—
Electronic repairers, communications and industrial equipment	18.61	3.7	37.3	18.62	3.7	39.9	—	—	—
Data processing equipment repairers	15.63	5.7	36.3	15.40	5.8	40.0	—	—	—
Household appliance and power tool repairers	12.46	10.2	40.0	12.46	10.2	40.0	—	—	—
Telephone line installers and repairers	19.65	4.1	39.9	19.65	4.1	40.0	—	—	—
Telephone installers and repairers	18.21	3.8	40.0	18.21	3.8	40.0	—	—	—
Heating, air conditioning, and refrigeration mechanics	15.09	3.0	39.8	14.91	2.9	40.0	—	—	—
Camera, watch, and musical instrument repairers	17.75	12.9	40.0	17.75	12.9	40.0	—	—	—
Locksmiths and safe repairers	16.90	5.7	40.0	16.90	5.7	40.0	—	—	—
Office machine repairers	14.67	8.0	40.3	14.67	8.0	40.3	—	—	—
Mechanical controls and valve repairers	16.38	14.4	39.7	16.44	14.5	40.0	—	—	—
Millwrights	17.68	5.2	40.1	17.68	5.2	40.1	—	—	—
Mechanics and repairers, n.e.c.	—	—	—	—	—	—	16.20	19.8	17.1
Supervisors, brickmasons, stonemasons, and tilesetters	19.97	11.0	40.0	19.97	11.0	40.0	—	—	—
Supervisors, carpenters and related workers	23.51	8.2	40.1	23.51	8.2	40.1	—	—	—
Supervisors, electricians and power transmission installers	24.66	3.4	40.1	24.66	3.4	40.1	—	—	—
Supervisors, painters, paperhangers, and plasterers	17.70	5.4	40.3	17.70	5.4	40.3	—	—	—

See footnotes at end of table.

TABLE 2-1. **United States, selected occupations: Mean hourly earnings¹ and weekly hours for full-time and part-time workers,² National Compensation Survey,³ 1999–Continued**

Occupation ⁴	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
Blue collar –Continued									
Precision production, craft, and repair –Continued									
Supervisors, plumbers, pipefitters, and steamfitters	\$25.56	6.8	40.0	\$25.56	6.8	40.0	–	–	–
Supervisors, construction trades, n.e.c.	19.75	4.4	40.2	19.74	4.5	40.2	–	–	–
Brickmasons and stonemasons	20.33	10.5	39.2	20.33	10.5	39.2	–	–	–
Brickmason and stonemason apprentices	11.13	11.4	40.0	11.13	11.4	40.0	–	–	–
Carpet installers	18.70	9.6	39.7	18.70	9.6	39.7	–	–	–
Carpenters	17.25	3.6	40.0	17.27	3.6	40.1	\$13.18	14.8	25.4
Carpenter apprentices	12.88	6.3	40.6	12.88	6.3	40.6	–	–	–
Drywall installers	19.72	10.9	39.0	19.73	10.9	39.0	–	–	–
Electricians	19.12	5.0	39.8	19.12	5.0	39.8	–	–	–
Electrician apprentices	12.39	4.8	40.0	12.39	4.8	40.0	–	–	–
Electrical power installers and repairers	22.57	2.6	40.0	22.57	2.6	40.0	–	–	–
Painters, construction and maintenance	13.59	5.7	39.5	13.59	5.7	39.5	–	–	–
Plasterers	18.33	19.2	40.0	18.33	19.2	40.0	–	–	–
Plumbers, pipefitters and steamfitters	20.37	5.6	39.4	19.96	5.4	39.7	–	–	–
Plumber, pipefitter, and steamfitter apprentices	17.28	14.3	39.8	17.28	14.3	39.8	–	–	–
Concrete and terrazzo finishers	15.47	13.2	37.6	15.47	13.2	37.7	–	–	–
Glaziers	14.17	4.8	38.4	14.18	4.9	39.7	–	–	–
Insulation workers	15.13	10.1	37.9	15.43	9.8	40.0	–	–	–
Paving, surfacing, and tamping equipment operators	11.93	11.8	40.0	11.93	11.8	40.0	–	–	–
Roofers	16.56	14.5	37.5	16.52	14.9	37.7	–	–	–
Sheetmetal duct installers	18.67	11.4	39.6	18.67	11.4	39.6	–	–	–
Structural metal workers	16.05	5.0	39.7	16.05	5.1	40.1	–	–	–
Construction trades, n.e.c.	14.75	5.5	39.5	14.75	5.5	39.6	–	–	–
Supervisors, extractive	21.55	17.6	41.6	21.94	17.1	42.2	–	–	–
Drillers, oil well	15.20	28.5	40.3	15.20	28.5	40.3	–	–	–
Mining machine operators	16.50	8.2	40.0	16.50	8.2	40.0	–	–	–
Supervisors, production	19.31	2.8	40.6	19.31	2.8	40.7	–	–	–
Tool and die makers	19.84	2.5	40.1	19.84	2.5	40.1	–	–	–
Tool and die maker apprentices	15.61	8.2	39.8	15.61	8.2	39.8	–	–	–
Precision assemblers, metal	13.28	11.1	40.0	13.28	11.1	40.0	–	–	–
Machinists	16.03	4.6	39.5	16.10	4.7	40.0	–	–	–
Machinist apprentices	13.04	5.8	38.6	13.27	5.6	40.0	–	–	–
Precision grinders, filers, and tool sharpeners	15.55	10.9	40.0	15.55	10.9	40.0	–	–	–
Patternmakers and modelmakers, metal	18.89	6.2	40.0	18.89	6.2	40.0	–	–	–
Layout workers	15.19	6.5	40.0	15.19	6.5	40.0	–	–	–
Engravers, metal	15.09	23.1	39.4	14.87	24.0	40.0	–	–	–
Sheet metal workers	17.74	6.6	39.1	17.74	6.6	39.1	–	–	–
Sheet metal worker apprentices	13.40	10.3	39.3	13.40	10.3	39.3	–	–	–
Cabinet makers and bench carpenters	11.88	11.0	40.0	11.88	11.0	40.0	–	–	–
Furniture and wood finishers	11.23	5.9	40.0	11.23	5.9	40.0	–	–	–
Dressmakers	10.31	9.6	38.5	10.31	9.6	38.5	–	–	–
Tailors	12.41	5.9	39.7	12.41	5.9	39.7	–	–	–
Upholsterers	13.32	13.9	39.4	13.32	13.9	39.4	–	–	–
Hand molders and shapers, except jewelers	16.31	5.1	40.0	16.31	5.1	40.0	–	–	–
Patternmakers, layout workers, and cutters	13.97	14.5	40.0	13.97	14.5	40.0	–	–	–
Optical goods workers	11.13	10.0	39.9	11.13	10.0	39.9	–	–	–
Dental laboratory and medical appliance technicians	14.21	1.3	39.0	14.21	1.3	39.0	–	–	–
Bookbinders	11.38	3.9	39.8	11.38	3.9	39.8	–	–	–
Electrical and electronic equipment assemblers	10.72	3.3	39.7	10.75	3.3	40.0	7.21	4.6	24.7
Miscellaneous precision workers, n.e.c.	15.90	8.0	39.8	15.92	7.9	40.0	–	–	–
Precision food production	12.42	20.4	30.5	14.57	18.9	37.0	–	–	–
Butchers and meat cutters	10.37	3.7	38.5	10.34	3.7	39.7	11.50	10.2	18.3
Bakers	10.11	7.1	34.5	10.23	7.9	37.0	9.03	7.8	21.4
Food batchmakers	10.39	6.6	38.1	10.43	6.8	39.8	–	–	–
Inspectors, testers, and graders	16.95	2.6	40.3	16.96	2.6	40.3	–	–	–
Precision inspectors, testers, and related workers, n.e.c.	20.33	7.6	40.0	20.33	7.6	40.0	–	–	–
Adjusters and calibrators	14.69	11.8	39.6	14.65	12.0	40.0	–	–	–

See footnotes at end of table.

TABLE 2-1. **United States, selected occupations: Mean hourly earnings¹ and weekly hours for full-time and part-time workers,² National Compensation Survey,³ 1999—Continued**

Occupation ⁴	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
Blue collar—Continued									
Precision production, craft, and repair—Continued									
Water and sewer treatment plant operators	\$15.92	3.0	39.0	\$16.06	2.9	40.0	—	—	—
Power plant operators	21.77	2.1	39.8	21.77	2.1	39.8	—	—	—
Stationary engineers	19.58	3.5	39.3	19.59	3.5	39.9	—	—	—
Miscellaneous plant and system operators, n.e.c.	20.87	4.8	40.1	20.87	4.8	40.1	—	—	—
Machine operators, assemblers, and inspectors	11.41	2.1	39.4	11.49	2.1	39.9	\$7.47	1.9	24.3
Lathe and turning machine set-up operators	14.51	3.6	40.0	14.51	3.6	40.0	—	—	—
Lathe and turning machine operators	13.32	5.8	39.9	13.32	5.8	39.9	—	—	—
Milling and planing machine operators	12.56	7.0	40.0	12.56	7.0	40.0	—	—	—
Punching and stamping press operators	12.45	3.3	39.9	12.46	3.4	40.0	—	—	—
Rolling machine operators	14.51	8.1	40.3	14.51	8.1	40.3	—	—	—
Drilling and boring machine operators	11.41	14.2	40.0	11.41	14.2	40.0	—	—	—
Grinding, abrading, buffing, and polishing machine operators	12.12	2.8	39.9	12.14	2.8	40.0	—	—	—
Forging machine operators	12.99	4.5	39.8	12.99	4.5	39.8	—	—	—
Numerical control machine operators	13.95	3.5	40.0	13.95	3.5	40.0	—	—	—
Fabricating machine operators, n.e.c.	13.18	2.9	39.4	13.42	2.3	39.9	—	—	—
Molding and casting machine operators	10.91	5.4	39.8	10.96	5.4	39.9	6.25	6.5	34.7
Metal plating machine operators	13.56	4.5	39.7	13.61	4.3	39.9	—	—	—
Heat treating equipment operators	13.99	2.7	40.0	13.99	2.7	40.0	—	—	—
Wood lathe, routing, and planing machine operators	8.82	11.1	39.2	8.80	11.3	39.8	—	—	—
Sawing machine operators	10.35	7.9	39.8	10.37	8.0	40.0	—	—	—
Shaping and jointing machine operators	10.19	7.7	39.9	10.19	7.7	39.9	—	—	—
Printing press operators	14.19	3.1	39.4	14.21	3.1	39.7	10.84	18.6	22.2
Photoengravers and lithographers	16.24	11.2	39.1	16.32	11.2	39.3	—	—	—
Typesetters and compositors	13.19	6.2	35.3	13.61	6.1	39.3	—	—	—
Winding and twisting machine operators	11.99	7.2	39.8	11.99	7.2	39.8	—	—	—
Knitting, looping, taping, and weaving machine operators	10.14	2.9	40.0	10.14	2.9	40.0	—	—	—
Textile cutting machine operators	8.65	8.2	40.0	8.65	8.2	40.0	—	—	—
Textile sewing machine operators	7.73	5.0	39.1	7.78	5.1	39.9	—	—	—
Shoe machine operators	9.64	10.7	39.8	9.64	10.7	39.8	—	—	—
Pressing machine operators	7.55	4.1	37.9	7.58	4.2	39.9	—	—	—
Laundering and dry cleaning machine operators	7.21	2.1	37.5	7.23	2.2	39.3	6.89	5.0	22.6
Cementing and gluing machine operators	10.50	10.1	40.0	10.50	10.1	40.0	—	—	—
Packaging and filling machine operators	10.78	4.8	39.3	10.91	4.3	40.0	—	—	—
Extruding and forming machine operators	11.81	4.2	39.8	11.81	4.2	39.8	—	—	—
Mixing and blending machine operators	13.31	3.9	39.7	13.31	3.9	39.8	—	—	—
Separating, filtering, and clarifying machine operators	16.69	3.0	39.6	16.74	3.0	39.8	—	—	—
Compressing and compacting machine operators	10.65	2.4	39.5	10.69	2.4	40.0	—	—	—
Painting and paint spraying machine operators	11.32	8.0	40.0	11.32	8.0	40.0	—	—	—
Roasting and baking machine operators, food ..	11.83	9.5	39.7	11.85	9.5	40.0	—	—	—
Washing, cleaning, and pickling machine operators	11.26	8.7	40.1	11.26	8.7	40.1	—	—	—
Folding machine operators	11.81	4.2	39.7	11.85	4.2	39.8	—	—	—
Furnace, kiln, and oven operators, except food ..	13.36	5.5	39.9	13.36	5.5	40.0	—	—	—
Crushing and grinding machine operators	12.37	5.7	39.9	12.37	5.7	39.9	—	—	—
Slicing and cutting machine operators	12.50	4.6	39.9	12.51	4.6	40.0	—	—	—
Photographic process machine operators	10.77	6.4	31.0	12.20	4.0	39.9	7.34	4.8	20.2
Miscellaneous machine operators, n.e.c.	10.87	6.4	39.6	10.90	6.5	39.9	7.98	5.6	19.3
Welders and cutters	14.41	2.5	40.0	14.42	2.5	40.0	—	—	—
Solders and braziers	9.54	8.2	40.0	9.54	8.2	40.0	—	—	—
Assemblers	11.44	3.7	39.3	11.60	3.8	39.9	7.32	2.5	28.1
Hand cutting and trimming	7.71	10.5	39.8	7.72	10.5	40.0	—	—	—
Hand molding, casting, and forming	11.50	2.4	39.9	11.53	2.3	40.0	—	—	—
Hand painting, coating, and decorating	10.14	5.5	39.8	10.14	5.6	40.0	—	—	—
Hand engraving and printing	11.54	8.7	35.2	—	—	—	—	—	—

See footnotes at end of table.

TABLE 2-1. United States, selected occupations: Mean hourly earnings¹ and weekly hours for full-time and part-time workers,² National Compensation Survey,³ 1999—Continued

Occupation ⁴	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
Blue collar—Continued									
Machine operators, assemblers, and inspectors—Continued									
Miscellaneous hand working, n.e.c.	\$10.19	4.5	38.8	\$10.31	4.6	39.6	\$5.86	7.2	21.8
Production inspectors, checkers and examiners	11.49	2.9	39.9	11.50	2.9	40.0	8.69	10.7	23.1
Production testers	12.55	3.6	40.0	12.55	3.6	40.0	—	—	—
Production samplers and weighers	14.53	3.5	39.6	14.53	3.5	39.6	—	—	—
Graders and sorters, except agricultural	9.55	5.7	39.9	9.58	5.7	39.9	—	—	—
Hand inspectors, n.e.c.	10.36	5.4	39.9	10.36	5.4	39.9	—	—	—
Transportation and material moving	12.92	1.8	37.6	13.26	1.8	40.8	9.86	9.7	21.8
Supervisors, motor vehicle operators	17.24	4.2	41.8	17.29	4.2	41.9	—	—	—
Truck drivers	12.72	2.3	40.3	12.72	2.2	42.0	12.73	20.1	24.4
Driver-sales workers	11.90	5.6	34.2	13.27	5.2	40.7	5.97	5.9	20.1
Bus drivers	12.38	2.8	28.0	13.26	4.4	36.8	11.08	2.7	20.8
Taxicab drivers and chauffeurs	8.31	4.7	30.0	8.95	6.0	39.7	7.00	4.4	20.0
Parking lot attendants	7.71	7.1	32.3	8.49	5.2	40.0	5.77	6.3	22.0
Motor transportation, n.e.c.	7.69	6.9	30.5	8.58	6.8	38.3	5.76	10.2	21.2
Locomotive operating	27.01	14.8	40.5	27.02	14.8	40.5	—	—	—
Railroad brake, signal and switch operators	19.69	16.5	40.0	19.69	16.5	40.0	—	—	—
Ship captains and mates, except fishing boats ..	17.99	7.3	51.2	18.06	7.4	52.0	—	—	—
Sailors and deckhands	12.17	14.4	43.6	11.92	14.1	47.5	—	—	—
Marine engineers	15.56	29.8	51.4	15.56	29.8	51.4	—	—	—
Bridge, lock and lighthouse tenders	11.74	2.5	40.0	—	—	—	—	—	—
Supervisors, material moving equipment	16.65	6.7	40.4	16.65	6.7	40.4	—	—	—
Operating engineers	18.68	6.1	40.0	18.68	6.1	40.0	—	—	—
Longshore equipment operators	27.42	6.9	37.5	—	—	—	—	—	—
Hoist and winch operators	14.92	9.7	40.0	14.92	9.7	40.0	—	—	—
Crane and tower operators	16.01	4.8	40.1	16.01	4.8	40.1	—	—	—
Excavating and loading machine operators	13.85	3.7	40.0	13.85	3.7	40.0	—	—	—
Grader, dozer, and scraper operators	14.41	4.1	40.0	14.41	4.1	40.0	—	—	—
Industrial truck and tractor equipment operators	12.24	2.6	39.7	12.28	2.6	39.9	9.35	8.7	30.7
Miscellaneous material moving equipment operators, n.e.c.	14.31	3.8	38.4	14.45	3.9	39.9	11.21	3.0	20.3
Handlers, equipment cleaners, helpers, and laborers	9.86	2.3	35.5	10.26	2.9	39.7	7.33	1.4	21.2
Nursery workers	7.37	5.1	34.6	7.84	5.2	40.0	—	—	—
Supervisors, agriculture-related workers	16.80	9.9	38.8	16.81	10.0	38.9	—	—	—
Groundskeepers and gardeners, except farm ...	9.29	4.2	37.1	9.45	4.8	39.8	7.45	4.4	20.1
Animal caretakers, except farm	10.22	11.8	32.8	11.06	10.1	38.6	6.33	7.2	19.5
Inspectors, agricultural products	8.74	11.3	37.2	9.08	15.5	40.0	—	—	—
Supervisors, handlers, equipment cleaners, and laborers, n.e.c.	16.02	7.4	38.9	16.06	7.5	39.1	—	—	—
Helpers, mechanics and repairers	10.40	4.1	38.4	10.59	4.5	39.8	7.20	8.9	24.7
Helpers, construction trades	10.13	3.5	39.1	10.13	3.6	39.9	10.35	10.5	22.5
Helpers, extractive	8.85	14.8	38.1	8.85	14.8	38.1	—	—	—
Construction laborers	11.65	4.8	39.3	11.68	4.9	39.9	10.96	16.8	28.6
Production helpers	10.04	3.7	38.9	10.08	3.8	39.8	—	—	—
Garbage collectors	13.94	7.6	39.8	14.09	7.6	40.0	—	—	—
Stevedores	20.47	6.2	39.2	20.47	6.2	39.3	—	—	—
Stock handlers and baggers	9.54	7.4	29.8	11.19	9.3	39.7	6.68	1.6	20.7
Machine feeders and offbearers	9.61	2.7	39.2	9.62	2.7	39.8	8.96	13.6	22.8
Freight, stock, and material handlers, n.e.c.	10.80	3.2	33.9	11.21	3.6	39.7	9.05	2.9	20.8
Garage and service station related	8.83	7.4	34.2	9.11	7.7	39.1	6.36	4.7	16.2
Vehicle washers and equipment cleaners	8.82	4.2	37.5	8.96	4.4	39.9	6.98	4.9	20.9
Hand packers and packagers	8.18	2.5	38.2	8.24	2.9	39.9	6.74	3.4	19.6
Laborers, except construction, n.e.c.	9.57	2.0	36.5	9.88	2.2	39.6	7.36	2.8	23.4
Service	9.21	1.1	31.6	10.16	1.5	39.0	6.56	1.1	20.7
Protective service	14.84	2.1	37.5	15.47	2.2	40.7	8.28	3.4	20.6
Supervisors, firefighters and fire prevention	21.90	4.7	49.5	21.90	4.7	49.5	—	—	—

See footnotes at end of table.

TABLE 2-1. **United States, selected occupations: Mean hourly earnings¹ and weekly hours for full-time and part-time workers,² National Compensation Survey,³ 1999**—Continued

Occupation ⁴	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
Service —Continued									
Protective service—Continued									
Supervisors, police and detectives	\$25.00	3.3	40.1	\$25.00	3.3	40.1	—	—	—
Supervisors, guards	16.60	7.1	37.8	16.87	6.9	38.6	—	—	—
Fire inspection and fire prevention	18.74	6.5	39.0	18.78	6.6	41.7	—	—	—
Firefighting	16.13	3.0	43.5	16.43	2.8	48.7	\$7.01	7.7	10.3
Police and detectives, public service	20.25	1.4	39.5	20.32	1.4	40.0	11.74	12.2	16.4
Sheriffs, bailiffs, and other law enforcement officers	16.60	2.8	39.2	16.74	2.8	39.9	11.95	7.1	24.9
Correctional institution officers	14.94	3.8	39.8	14.96	3.8	39.9	—	—	—
Crossing guards	8.97	4.5	17.2	—	—	—	8.58	4.6	16.6
Guards and police, except public service	8.89	2.0	34.3	9.07	2.0	39.4	8.15	4.2	22.3
Protective service, n.e.c.	12.03	7.7	29.3	13.95	8.5	39.3	8.08	9.7	19.2
Food service	6.72	1.5	28.8	7.44	2.5	38.5	5.74	1.2	21.6
Waiters, waitresses, and bartenders	4.71	2.8	27.4	4.94	3.7	37.7	4.42	3.4	20.2
Bartenders	6.72	6.6	28.1	7.34	9.2	38.2	5.75	2.7	19.8
Waiters and waitresses	4.04	3.8	27.7	4.09	5.3	37.5	3.98	4.5	20.8
Waiters'/Waitresses' assistants	5.65	2.7	25.3	6.03	4.0	38.3	5.17	3.2	17.9
Other food service	7.63	1.2	29.5	8.57	1.3	38.9	6.36	1.2	22.3
Supervisors, food preparation and service	10.75	2.4	39.3	11.06	2.3	41.4	6.86	11.7	24.2
Cooks	8.24	2.0	33.6	8.65	1.9	38.6	7.00	4.3	24.2
Kitchen workers, food preparation	7.22	2.4	30.2	7.78	2.9	38.9	6.52	3.0	23.4
Food preparation, n.e.c.	6.77	1.3	26.0	7.53	1.4	37.9	6.22	1.3	21.1
Health service	9.35	1.7	33.3	9.51	1.8	38.8	8.56	1.8	19.6
Dental assistants	12.34	8.2	30.4	12.85	8.6	37.0	9.00	11.2	14.0
Health aides, except nursing	10.05	2.2	32.6	10.34	2.3	39.3	8.55	3.2	17.3
Nursing aides, orderlies and attendants	8.79	1.3	33.9	8.85	1.5	38.8	8.52	1.8	21.2
Cleaning and building service	9.14	1.5	33.4	9.52	1.8	39.1	7.26	2.0	19.4
Supervisors, cleaning and building service workers	10.73	7.9	39.3	10.75	8.0	39.5	8.75	2.8	25.3
Maids and housemen	7.44	2.3	33.9	7.52	2.5	37.8	7.04	4.2	22.0
Janitors and cleaners	9.27	1.8	32.3	9.77	2.0	39.4	7.30	2.3	18.9
Elevator operators	13.26	6.3	39.1	—	—	—	—	—	—

See footnotes at end of table.

TABLE 2-1. **United States, selected occupations: Mean hourly earnings¹ and weekly hours for full-time and part-time workers,² National Compensation Survey,³ 1999–Continued**

Occupation ⁴	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
Service –Continued									
Cleaning and building service –Continued									
Pest control	\$11.07	10.0	40.0	\$11.07	10.0	40.0	–	–	–
Personal service	8.93	2.2	29.8	9.66	2.5	37.7	\$7.10	3.2	19.6
Supervisors, personal service	15.89	10.4	39.0	16.06	10.0	40.0	9.28	9.5	19.8
Hairdressers and cosmetologists	9.79	5.6	29.8	9.83	6.1	38.6	9.68	9.1	18.6
Attendants, amusement, and recreation facilities	6.41	5.5	29.0	6.63	5.5	39.5	5.98	6.1	19.3
Guides	11.14	11.2	30.7	12.33	9.3	39.4	7.54	7.5	18.4
Ushers	5.93	4.3	15.7	–	–	–	5.95	4.5	15.3
Public transportation attendants	26.33	7.6	21.4	27.76	6.6	21.6	13.49	17.8	20.1
Baggage porters and bellhops	6.98	5.9	35.3	6.79	6.8	39.4	7.87	9.5	23.8
Welfare service aides	7.59	4.8	29.0	8.36	4.3	39.3	6.35	6.1	20.4
Early childhood teachers' assistants	7.02	3.4	30.4	7.28	4.4	37.7	6.51	3.8	21.9
Child care workers, n.e.c.	8.27	3.2	29.5	8.57	3.6	39.4	7.60	3.4	19.1
Service, n.e.c.	8.28	8.4	30.4	8.64	11.4	39.1	7.22	3.6	18.3

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 Total includes full-time and part-time workers. 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 This survey covers all 50 States. Collection was conducted between September 1998

and April 2000. The average reference period was September 1999. For the first time, estimates include workers in private establishments employing fewer than 50 workers.

⁴ A classification system including about 480 individual occupations is used to cover all workers in the civilian economy. For more information, see appendix B.

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

NOTE: Dashes indicate that no data were reported or that data did not meet publication criteria, and n.e.c. means "not elsewhere classified." Overall occupational groups may include data for categories not shown separately.

TABLE 2-2. Private industry, selected occupations: Mean hourly earnings¹ and weekly hours for full-time and part-time workers,² National Compensation Survey,³ 1999

Occupation ⁴	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
All	\$14.71	1.4	35.7	\$15.59	1.6	39.7	\$8.51	1.9	20.6
All, excluding sales	14.95	1.5	36.0	15.68	1.7	39.7	8.96	2.3	20.5
White collar	18.12	1.7	35.8	19.13	1.8	39.8	10.35	2.7	20.1
White collar, excluding sales	19.68	1.8	36.7	20.19	1.9	39.7	13.55	3.4	19.4
Professional specialty and technical	24.17	3.4	35.7	24.55	3.7	39.4	20.01	5.9	17.7
Professional specialty	26.62	4.3	35.8	26.95	4.6	39.6	22.83	7.0	16.9
Engineers, architects, and surveyors	29.65	3.7	40.6	29.65	3.7	40.7	30.38	5.8	22.3
Architects	20.41	8.7	39.8	20.38	8.7	39.9	-	-	-
Aerospace engineers	32.75	3.9	40.1	32.75	3.9	40.1	-	-	-
Metallurgical and materials engineers	29.12	4.8	40.3	29.12	4.8	40.3	-	-	-
Petroleum engineers	33.58	8.7	40.2	33.58	8.7	40.2	-	-	-
Chemical engineers	35.44	3.4	40.0	35.46	3.4	40.1	-	-	-
Nuclear engineers	34.61	2.1	40.7	34.61	2.1	40.7	-	-	-
Civil engineers	26.83	4.8	40.9	26.81	4.8	41.0	-	-	-
Electrical and electronic engineers	32.31	3.6	41.0	32.31	3.6	41.0	-	-	-
Industrial engineers	24.91	5.0	40.6	24.91	5.0	40.6	-	-	-
Mechanical engineers	24.84	3.6	41.2	24.84	3.6	41.3	-	-	-
Engineers, n.e.c.	34.97	8.8	40.5	34.98	8.9	40.6	-	-	-
Surveyors and mapping scientists	29.42	7.9	40.0	29.42	7.9	40.0	-	-	-
Mathematical and computer scientists	28.76	2.5	40.0	28.63	2.4	40.1	55.50	25.8	30.2
Computer systems analysts and scientists	29.02	2.6	40.1	29.02	2.6	40.1	24.98	11.2	25.9
Operations and systems researchers and analysts	27.73	6.3	39.8	26.99	5.0	40.0	-	-	-
Actuaries	30.75	8.8	38.6	30.75	8.8	38.6	-	-	-
Statisticians	24.61	8.3	38.2	24.61	8.3	38.2	-	-	-
Mathematical scientists, n.e.c.	37.27	15.5	40.0	37.27	15.5	40.0	-	-	-
Natural scientists	28.57	2.4	39.7	28.58	2.4	40.0	26.39	12.5	19.9
Physicists and astronomers	38.48	7.8	40.0	38.48	7.8	40.0	-	-	-
Chemists, except biochemists	29.76	4.1	40.1	29.76	4.1	40.1	-	-	-
Atmospheric and space scientists	22.92	15.6	40.7	22.92	15.6	40.7	-	-	-
Geologists and geodesists	30.42	9.1	40.5	30.42	9.1	40.5	-	-	-
Physical scientists, n.e.c.	30.08	4.2	39.9	30.11	4.2	40.0	-	-	-
Agricultural and food scientists	24.32	9.9	39.6	23.42	8.0	39.7	-	-	-
Biological and life scientists	24.76	5.0	39.8	24.78	5.0	39.8	-	-	-
Medical scientists	27.77	6.1	38.1	27.88	6.2	39.5	24.49	9.5	18.5
Health related	27.84	12.6	33.5	28.26	15.1	39.4	25.91	8.4	20.0
Physicians	69.12	23.8	35.5	68.57	26.8	40.8	74.12	3.8	16.3
Dentists	41.83	9.7	31.0	-	-	-	-	-	-
Optometrists	38.37	4.3	37.3	37.78	5.6	39.9	-	-	-
Registered nurses	20.98	1.4	32.9	20.78	1.7	39.1	21.73	1.6	20.6
Pharmacists	27.05	8.3	32.5	27.52	9.7	39.1	24.77	13.8	17.9
Dietitians	18.19	3.9	37.1	18.10	4.3	39.8	19.11	6.0	21.8
Respiratory therapists	18.09	2.0	34.6	18.05	2.3	39.2	18.31	3.1	20.9
Occupational therapists	21.67	9.1	34.4	21.39	10.6	39.3	23.34	5.2	20.0
Physical therapists	23.44	4.9	36.0	22.62	4.7	39.8	29.98	4.3	20.3
Speech therapists	23.14	3.9	31.9	22.66	4.8	39.5	25.16	4.6	17.6
Therapists, n.e.c.	18.03	8.5	35.0	16.70	3.5	38.9	26.48	29.5	21.4
Teachers, college and university	36.96	3.7	28.6	37.79	3.6	38.9	29.76	11.7	8.7
Biological science teachers	39.43	12.5	35.6	38.32	13.6	37.7	-	-	-
Chemistry teachers	51.21	21.7	36.7	51.21	21.7	36.7	-	-	-
Physics teachers	54.91	9.0	36.9	54.93	9.0	37.2	-	-	-
Natural science teachers, n.e.c.	32.89	9.9	32.4	33.35	10.0	36.0	-	-	-
Psychology teachers	41.95	10.5	30.5	43.53	10.2	38.3	22.76	9.7	8.8
Economics teachers	28.81	12.8	37.2	28.81	12.8	37.2	-	-	-
History teachers	31.23	10.6	39.8	31.28	10.7	40.1	-	-	-
Political science teachers	48.52	23.6	34.6	38.68	15.0	38.7	-	-	-
Sociology teachers	36.32	16.2	25.1	37.76	16.5	34.7	-	-	-
Social science teachers, n.e.c.	35.15	10.7	34.7	35.51	11.0	38.7	-	-	-
Engineering teachers	36.32	11.9	33.1	35.53	12.8	37.3	44.92	12.2	15.0
Mathematical science teachers	36.09	8.7	34.8	36.52	8.8	37.9	24.31	14.5	10.8
Computer science teachers	23.37	12.2	24.8	23.77	12.4	39.0	-	-	-
Medical science teachers	52.33	8.3	40.0	52.70	8.6	41.8	-	-	-
Health specialties teachers	33.52	6.8	40.1	34.22	6.8	43.2	20.98	2.6	17.8

See footnotes at end of table.

TABLE 2-2. Private industry, selected occupations: Mean hourly earnings¹ and weekly hours for full-time and part-time workers,² National Compensation Survey,³ 1999—Continued

Occupation ⁴	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar —Continued									
Professional specialty and technical —Continued									
Professional specialty—Continued									
Teachers, college and university—Continued									
Business, commerce, and marketing teachers ..	\$41.27	8.9	31.8	\$41.83	9.2	37.3	\$27.86	14.7	7.0
Art, drama, and music teachers	27.79	7.9	28.4	28.06	8.9	38.3	26.80	6.8	14.3
Physical education teachers	27.93	5.4	36.5	28.23	6.1	38.5	—	—	—
Education teachers	32.50	14.3	29.2	33.05	15.0	39.5	—	—	—
English teachers	37.46	17.0	33.5	38.07	17.3	38.3	23.81	8.6	8.8
Foreign language teachers	34.77	10.0	29.5	32.64	6.7	37.3	49.41	40.7	12.1
Law teachers	54.28	7.1	40.0	54.36	7.1	41.3	—	—	—
Social work teachers	27.09	13.4	26.3	—	—	—	—	—	—
Theology teachers	36.65	14.2	37.0	36.73	14.3	37.9	—	—	—
Trade and industrial teachers	—	—	—	15.30	10.5	39.8	—	—	—
Other post-secondary teachers	31.61	6.8	23.5	33.56	6.3	38.2	23.23	13.9	8.8
Teachers, except college and university	15.60	3.7	33.1	16.02	3.7	38.1	12.37	8.0	16.3
Prekindergarten and kindergarten	10.31	4.0	35.3	10.69	4.6	38.8	8.85	6.5	26.3
Elementary school teachers	18.80	6.1	35.2	18.88	5.9	37.3	17.35	13.4	17.4
Secondary school teachers	23.48	3.0	37.0	23.52	3.1	38.2	22.32	6.2	17.9
Teachers, special education	16.25	14.2	35.3	16.15	14.7	38.5	18.13	7.7	14.1
Teachers, n.e.c.	16.16	4.6	25.3	16.38	4.7	37.6	15.12	12.4	9.8
Substitute teachers	9.99	6.0	10.5	—	—	—	9.86	6.2	10.4
Vocational and educational counselors	15.51	3.5	36.9	15.47	3.5	38.9	16.74	12.3	13.7
Librarians, archivists, and curators	20.19	7.6	37.1	20.35	7.9	38.9	15.52	16.3	15.4
Librarians	19.96	8.2	36.4	20.14	8.6	38.5	15.75	17.8	16.7
Archivists and curators	20.68	16.3	38.5	20.75	16.6	39.8	—	—	—
Social scientists and urban planners	24.80	4.2	36.2	24.69	4.5	39.4	26.89	12.5	14.9
Economists	28.53	4.8	39.8	28.53	4.8	39.8	—	—	—
Psychologists	23.52	8.1	35.2	—	—	—	26.89	12.5	15.1
Social scientists, n.e.c.	31.27	16.2	30.3	31.28	16.3	37.0	—	—	—
Social, recreation, and religious workers	12.53	7.6	33.3	12.50	7.4	39.5	—	—	—
Social workers	12.50	8.1	32.9	12.46	7.8	39.4	—	—	—
Recreation workers	12.22	3.9	35.4	12.28	4.1	39.3	10.64	18.9	10.0
Clergy	12.69	14.3	43.2	12.60	14.8	46.0	15.02	9.3	16.7
Religious workers, n.e.c.	18.70	18.2	37.1	18.66	18.4	39.7	—	—	—
Lawyers and judges	39.91	4.7	40.4	39.92	4.7	40.6	—	—	—
Lawyers	39.91	4.7	40.4	39.92	4.7	40.6	—	—	—
Writers, authors, entertainers, athletes, and professionals, n.e.c.	22.82	4.3	31.9	23.78	4.3	37.7	14.83	13.2	14.0
Technical writers	20.70	9.1	38.5	20.63	9.5	39.9	—	—	—
Designers	21.06	7.0	39.0	21.37	7.0	39.9	—	—	—
Musicians and composers	17.32	17.2	17.5	—	—	—	16.75	19.7	10.4
Actors and directors	25.07	20.3	35.8	26.19	21.4	40.5	15.42	32.3	18.0
Painters, sculptors, craft artists, and artist printmakers	19.22	14.4	39.1	19.38	14.7	40.1	—	—	—
Photographers	18.61	9.3	39.4	18.47	9.5	40.2	—	—	—
Dancers	15.83	17.0	19.7	—	—	—	12.90	16.8	17.7
Artists, performers, and related workers, n.e.c.	11.70	11.8	29.2	12.93	17.9	39.5	9.78	8.2	20.7
Editors and reporters	24.50	6.3	38.5	24.68	6.4	39.6	13.46	19.7	15.1
Public relations specialists	21.63	8.1	38.9	21.69	8.2	39.4	—	—	—
Announcers	17.55	29.3	26.2	20.09	32.0	35.9	8.60	14.9	13.4
Professional, n.e.c.	27.52	5.9	39.6	27.64	6.0	39.8	14.95	14.1	24.7
Technical	18.31	1.7	35.5	18.72	1.7	39.0	14.51	5.0	19.4
Clinical laboratory technologists and technicians	15.63	4.1	36.7	15.51	4.3	38.4	17.58	4.9	21.3
Dental hygienists	26.06	6.0	22.0	27.78	5.3	34.9	23.32	11.3	13.8
Health record technologists and technicians	11.33	7.6	36.0	11.31	8.2	38.9	11.54	5.4	19.3
Radiological technicians	19.20	5.6	36.0	19.42	5.8	39.6	17.46	3.7	21.1
Licensed practical nurses	13.47	1.4	33.9	13.48	1.5	39.4	13.40	2.5	20.5
Health technologists and technicians, n.e.c.	13.11	2.8	30.4	13.63	2.1	39.4	11.24	5.6	16.7
Electrical and electronic technicians	18.15	3.7	38.9	18.72	2.4	40.0	—	—	—
Industrial engineering technicians	19.51	5.0	40.4	19.51	5.0	40.4	—	—	—
Mechanical engineering technicians	21.21	4.1	40.0	21.25	4.1	40.2	—	—	—

See footnotes at end of table.

TABLE 2-2. Private industry, selected occupations: Mean hourly earnings¹ and weekly hours for full-time and part-time workers,² National Compensation Survey,³ 1999—Continued

Occupation ⁴	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar —Continued									
Professional specialty and technical —Continued									
Technical—Continued									
Engineering technicians, n.e.c.	\$19.38	3.1	39.7	\$19.40	3.1	40.0	\$16.79	12.5	20.5
Drafters	17.91	2.9	39.7	17.97	2.9	40.1	12.03	19.3	21.2
Surveying and mapping technicians	15.03	10.1	40.0	15.03	10.1	40.0	—	—	—
Biological technicians	15.74	11.7	29.8	18.10	6.0	39.5	—	—	—
Chemical technicians	17.77	3.5	39.8	17.79	3.5	40.0	—	—	—
Science technicians, n.e.c.	17.74	2.8	37.6	17.62	2.8	38.6	—	—	—
Airplane pilots and navigators	85.03	10.1	22.6	89.91	9.0	23.3	—	—	—
Broadcast equipment operators	14.58	13.3	36.5	15.42	14.4	40.0	8.56	6.8	22.6
Computer programmers	22.45	3.8	38.7	22.25	3.8	39.7	—	—	—
Tool programmers, numerical control	17.87	5.9	40.2	17.87	5.9	40.2	—	—	—
Legal assistants	16.31	3.7	36.9	16.58	3.5	39.6	—	—	—
Technical and related, n.e.c.	18.84	3.3	39.1	18.98	3.4	39.9	13.92	8.8	22.7
Executive, administrative, and managerial	28.01	2.1	40.2	28.08	2.1	40.8	19.53	7.4	15.6
Executives, administrators, and managers	30.77	2.5	40.9	30.84	2.5	41.1	20.53	10.7	20.0
Administrators and officials, public administration	28.78	13.8	38.8	28.78	13.8	38.8	—	—	—
Financial managers	32.39	7.1	40.4	32.43	7.2	40.7	—	—	—
Personnel and labor relations managers	29.15	9.9	41.5	29.18	10.0	41.6	—	—	—
Purchasing managers	28.04	3.1	42.9	28.04	3.1	42.9	—	—	—
Managers, marketing, advertising, and public relations	38.08	6.5	40.9	38.11	6.5	41.0	—	—	—
Administrators, education and related fields	24.49	4.9	39.3	24.69	5.0	40.1	16.88	16.1	21.9
Managers, medicine and health	29.35	4.2	38.8	29.38	4.3	40.0	—	—	—
Managers, food servicing and lodging establishments	15.80	4.5	42.5	15.99	4.6	43.6	—	—	—
Managers, properties and real estate	20.74	7.9	39.8	20.82	7.9	40.5	—	—	—
Funeral directors	22.38	10.7	44.9	22.38	10.7	44.9	—	—	—
Managers, service organizations, n.e.c.	28.81	9.0	39.1	28.88	9.3	39.7	—	—	—
Managers and administrators, n.e.c.	31.55	3.7	41.2	31.58	3.7	41.3	18.45	32.3	19.2
Management related	22.72	2.6	39.0	22.77	2.6	40.1	18.53	10.0	12.7
Accountants and auditors	21.56	2.8	39.5	21.54	2.7	39.8	23.40	20.7	22.2
Underwriters	22.24	7.1	39.2	22.24	7.1	39.2	—	—	—
Other financial officers	23.47	4.9	39.8	23.46	4.9	39.9	26.06	15.8	24.4
Management analysts	26.24	2.8	40.3	26.24	2.8	40.3	—	—	—
Personnel, training, and labor relations specialists	20.79	3.9	35.9	20.90	3.8	39.8	—	—	—
Purchasing agents and buyers, farm products ..	16.44	20.4	39.8	16.44	20.4	39.8	—	—	—
Buyers, wholesale and retail trade, except farm products	19.31	5.4	39.9	19.21	5.4	41.2	—	—	—
Purchasing agents and buyers, n.e.c.	25.39	5.6	40.0	25.39	5.6	40.0	—	—	—
Business and promotional agents	14.68	19.6	39.1	14.68	19.6	39.1	—	—	—
Construction inspectors	20.58	6.6	40.6	20.88	6.9	41.0	—	—	—
Inspectors and compliance officers, except construction	24.69	3.0	40.0	24.80	3.0	40.2	—	—	—
Management related, n.e.c.	23.64	7.5	39.1	23.80	7.6	40.3	16.82	8.5	16.9
Sales	12.84	2.7	32.8	14.75	3.2	40.2	6.96	1.3	21.0
Supervisors, sales	16.10	3.6	41.1	16.20	3.6	41.5	8.67	20.8	23.8
Insurance sales	20.18	6.7	38.1	20.51	7.2	39.3	13.20	19.7	22.8
Real estate sales	21.25	18.1	34.0	21.98	19.9	37.5	—	—	—
Securities and financial services sales	32.51	12.0	39.5	32.64	12.0	39.6	—	—	—
Advertising and related sales	23.46	17.2	38.5	23.96	17.1	39.5	8.72	5.9	21.8
Sales, other business services	19.30	6.5	37.7	20.11	7.2	40.5	9.89	14.2	20.9
Sales engineers	30.60	5.1	41.3	30.60	5.1	41.3	—	—	—
Sales representatives, mining, manufacturing, and wholesale	22.95	4.5	40.4	23.13	4.5	40.6	—	—	—
Sales workers, motor vehicles and boats	20.71	4.5	45.4	20.71	4.5	45.5	—	—	—
Sales workers, apparel	8.99	11.2	26.5	11.15	16.3	38.5	6.86	3.0	20.4
Sales workers, shoes	7.97	6.3	26.6	10.33	13.4	38.9	6.61	3.5	22.5

See footnotes at end of table.

TABLE 2-2. Private industry, selected occupations: Mean hourly earnings¹ and weekly hours for full-time and part-time workers,² National Compensation Survey,³ 1999—Continued

Occupation ⁴	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar —Continued									
Sales —Continued									
Sales workers, furniture and home furnishings ..	\$11.36	13.4	30.0	\$14.27	15.6	39.8	\$7.01	5.0	21.9
Sales workers, radio, tv, hi-fi, and appliances ...	13.80	11.7	35.4	14.85	10.9	39.7	7.03	5.4	20.8
Sales workers, hardware and building supplies	11.61	5.0	37.4	12.06	5.3	40.6	8.18	3.1	23.7
Sales workers, parts	12.95	7.6	38.7	13.47	7.0	40.6	6.00	2.1	23.8
Sales workers, other commodities	10.62	7.9	29.6	12.60	8.9	39.7	7.14	2.5	20.5
Sales counter clerks	7.34	4.2	30.1	7.91	4.8	39.2	6.32	3.5	21.2
Cashiers	7.92	6.9	29.7	8.72	9.1	39.4	6.59	1.2	21.0
Street and door-to-door sales workers	11.50	22.3	22.7	19.91	19.5	37.0	7.25	14.2	19.0
News vendors	8.50	5.8	23.7	—	—	—	8.09	6.5	22.5
Demonstrators, promoters, and models, sales ..	23.22	27.4	30.3	—	—	—	7.73	5.6	15.2
Sales support, n.e.c.	11.96	5.2	35.3	12.89	5.6	40.3	7.69	5.8	22.5
Administrative support, including clerical	12.17	1.1	36.0	12.50	1.1	39.4	9.36	1.7	20.8
Supervisors, general office	16.32	3.7	39.9	16.28	3.8	40.1	—	—	—
Supervisors, computer equipment operators	18.63	12.9	40.6	18.63	12.9	40.6	—	—	—
Supervisors, financial records processing	18.14	4.4	39.4	18.15	4.4	39.4	—	—	—
Chief communications operators	21.28	11.0	40.0	21.28	11.0	40.0	—	—	—
Supervisors, distribution, scheduling, and adjusting clerks	19.01	4.2	40.3	19.03	4.2	40.4	—	—	—
Computer operators	14.87	2.2	39.4	14.91	2.2	39.7	9.57	19.0	18.2
Peripheral equipment operators	11.21	5.4	38.6	11.13	5.5	40.0	—	—	—
Secretaries	13.74	3.6	37.4	13.91	3.7	38.9	11.32	3.9	23.5
Stenographers	12.24	2.6	36.8	12.19	2.9	39.8	—	—	—
Typists	12.41	3.6	35.6	12.58	4.0	38.9	11.10	4.1	21.3
Interviewers	9.42	3.7	27.9	10.42	2.4	39.0	8.08	4.2	20.2
Hotel clerks	8.73	3.7	36.2	8.90	3.7	40.6	7.64	9.5	21.4
Transportation ticket and reservation agents	12.89	4.0	36.0	13.14	4.0	39.8	11.37	6.0	22.4
Receptionists	9.73	2.4	33.2	10.06	2.7	39.2	8.09	2.3	18.9
Information clerks, n.e.c.	11.38	6.3	34.4	11.41	3.8	39.0	11.30	20.6	24.4
Classified ad clerks	11.49	6.2	35.5	11.68	6.6	38.2	—	—	—
Correspondence clerks	11.62	4.6	36.1	11.89	4.7	39.8	—	—	—
Order clerks	12.34	2.4	37.1	12.71	2.3	39.8	8.77	5.0	22.8
Personnel clerks, except payroll and timekeeping	13.06	2.5	39.0	13.09	2.6	39.6	12.08	10.2	21.7
Library clerks	11.83	2.9	32.6	12.19	3.2	38.1	9.93	6.2	18.4
File clerks	8.72	3.8	34.0	8.98	4.4	39.5	7.38	5.6	19.8
Records clerks, n.e.c.	11.68	2.5	37.8	11.82	2.6	39.4	9.32	4.8	22.7
Bookkeepers, accounting and auditing clerks ...	11.97	1.3	36.3	12.18	1.4	39.6	9.70	3.6	19.0
Payroll and timekeeping clerks	13.21	2.7	33.0	13.44	2.6	39.8	10.81	16.9	11.8
Billing clerks	10.79	4.7	37.9	10.83	5.0	39.7	—	—	—
Cost and rate clerks	15.61	14.4	40.0	15.61	14.4	40.0	—	—	—
Billing, posting, and calculating machine operators	9.83	4.4	34.6	9.89	5.7	39.1	9.64	4.4	24.8
Duplicating machine operators	10.76	3.7	35.9	11.20	3.7	39.7	8.89	4.3	25.6
Mail preparing and paper handling machine operators	9.74	6.2	35.2	10.03	6.4	39.0	7.46	5.1	20.1
Office machine operators, n.e.c.	8.56	3.9	38.0	8.63	4.1	39.6	7.37	6.4	21.7
Telephone operators	11.41	2.8	34.8	11.97	2.7	39.0	8.62	3.0	22.5
Communications equipment operators, n.e.c.	10.32	6.5	24.0	—	—	—	8.58	10.7	11.0
Mail clerks, except postal service	9.32	4.5	36.4	9.59	5.5	39.0	7.52	3.8	25.3
Messengers	8.56	6.4	30.1	8.66	8.1	39.2	8.31	11.1	19.1
Dispatchers	12.65	4.3	39.0	12.77	4.5	40.3	9.34	4.2	20.4
Production coordinators	14.94	5.7	39.4	15.01	5.7	40.0	7.89	4.4	15.8
Traffic, shipping and receiving clerks	11.34	2.8	37.9	11.44	3.0	39.9	9.81	6.4	21.9
Stock and inventory clerks	11.08	2.4	35.8	11.47	2.4	39.6	8.05	5.6	20.2
Meter readers	14.97	3.6	39.8	14.99	3.8	40.0	—	—	—
Weighers, measurers, checkers, and samplers	13.80	7.2	38.5	14.09	7.4	40.0	—	—	—
Expeditors	11.94	4.4	38.3	12.15	4.6	39.8	8.84	8.5	24.0
Material recording, scheduling, and distribution clerks, n.e.c.	12.19	9.1	37.2	12.65	9.9	39.9	7.85	6.3	22.7

See footnotes at end of table.

TABLE 2-2. Private industry, selected occupations: Mean hourly earnings¹ and weekly hours for full-time and part-time workers,² National Compensation Survey,³ 1999—Continued

Occupation ⁴	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar —Continued									
Administrative support, including clerical —Continued									
Insurance adjusters, examiners, and investigators	\$16.72	2.4	38.1	\$16.78	2.3	38.5	—	—	—
Investigators and adjusters, except insurance ..	12.53	2.5	38.6	12.62	2.5	39.8	\$9.99	7.7	21.2
Eligibility clerks, social welfare	14.45	9.8	39.0	14.63	9.3	39.9	—	—	—
Bill and account collectors	11.83	4.1	37.8	11.90	4.1	39.3	10.39	14.3	20.3
General office clerks	10.93	1.7	33.3	11.31	1.8	39.3	9.26	5.5	19.9
Bank tellers	9.22	2.2	32.6	9.47	2.2	39.1	8.39	2.3	21.0
Proofreaders	11.05	6.4	36.6	11.25	6.5	39.5	—	—	—
Data entry keyers	10.41	2.4	36.0	10.54	2.6	39.5	9.57	7.4	23.3
Statistical clerks	11.55	5.4	38.6	11.57	5.6	39.6	10.56	7.9	17.6
Teachers' aides	8.81	4.9	30.8	9.10	6.5	36.1	8.06	5.8	22.3
Administrative support, n.e.c.	11.50	2.0	36.3	11.77	2.3	39.4	9.38	5.6	22.5
Blue collar	12.93	1.1	38.3	13.20	1.2	40.0	8.28	3.9	21.7
Precision production, craft, and repair									
Supervisors, mechanics and repairers	16.47	1.3	39.6	16.49	1.2	39.9	15.06	12.0	21.8
Automobile mechanics	21.04	2.8	40.7	21.04	2.8	40.7	—	—	—
Automobile mechanic apprentices	14.94	4.7	40.2	14.95	4.7	40.2	—	—	—
Bus, truck, and stationary engine mechanics	11.17	10.8	36.6	11.29	11.8	40.0	—	—	—
Aircraft engine mechanics	14.04	7.2	39.6	14.09	7.4	40.1	—	—	—
Small engine repairers	21.20	4.9	40.0	21.20	4.9	40.0	—	—	—
Automobile body and related repairers	11.57	7.0	39.7	11.61	7.1	40.0	—	—	—
Aircraft mechanics, except engine	16.85	9.3	40.7	16.85	9.3	40.7	—	—	—
Heavy equipment mechanics	20.61	3.4	40.1	20.61	3.4	40.1	—	—	—
Farm equipment mechanics	17.82	4.5	40.0	17.84	4.5	40.0	—	—	—
Industrial machinery repairers	12.41	9.0	40.7	12.41	9.0	40.7	—	—	—
Machinery maintenance	17.15	2.0	39.9	17.15	2.0	39.9	—	—	—
Electronic repairers, communications and industrial equipment	13.60	4.8	38.0	14.06	3.7	39.9	—	—	—
Data processing equipment repairers	18.64	3.8	37.3	18.65	3.9	39.9	—	—	—
Household appliance and power tool repairers	15.59	6.1	36.1	15.33	6.4	40.0	—	—	—
Telephone line installers and repairers	12.46	10.2	40.0	12.46	10.2	40.0	—	—	—
Telephone installers and repairers	19.83	4.1	39.9	19.83	4.1	40.0	—	—	—
Heating, air conditioning, and refrigeration mechanics	18.11	3.8	40.0	18.11	3.8	40.0	—	—	—
Camera, watch, and musical instrument repairers	14.97	3.6	39.9	14.76	3.4	40.0	—	—	—
Office machine repairers	17.75	12.9	40.0	17.75	12.9	40.0	—	—	—
Mechanical controls and valve repairers	14.58	8.1	40.3	14.58	8.1	40.3	—	—	—
Millwrights	16.11	17.3	40.0	16.11	17.3	40.0	—	—	—
Mechanics and repairers, n.e.c.	17.73	5.3	40.1	17.73	5.3	40.1	—	—	—
Supervisors, brickmasons, stonemasons, and tilesetters	—	—	—	—	—	—	16.22	19.8	17.1
Supervisors, carpenters and related workers	23.30	3.6	40.0	23.30	3.6	40.0	—	—	—
Supervisors, electricians and power transmission installers	23.67	8.3	40.1	23.67	8.3	40.1	—	—	—
Supervisors, painters, paperhangers, and plasterers	24.89	3.4	40.1	24.89	3.4	40.1	—	—	—
Supervisors, plumbers, pipefitters, and steamfitters	17.68	5.4	40.3	17.68	5.4	40.3	—	—	—
Supervisors, construction trades, n.e.c.	25.97	7.7	40.0	25.97	7.7	40.0	—	—	—
Brickmasons and stonemasons	20.55	5.1	40.2	20.54	5.1	40.3	—	—	—
Brickmason and stonemason apprentices	20.69	10.9	39.1	20.69	10.9	39.1	—	—	—
Carpet installers	11.13	11.4	40.0	11.13	11.4	40.0	—	—	—
Carpenters	18.82	9.7	39.7	18.82	9.7	39.7	—	—	—
Carpenter apprentices	17.22	3.9	40.0	17.24	3.9	40.1	13.20	15.0	25.8
Drywall installers	12.88	6.3	40.6	12.88	6.3	40.6	—	—	—
Electricians	19.72	10.9	39.0	19.73	10.9	39.0	—	—	—
Electrician apprentices	19.12	5.5	39.8	19.12	5.5	39.8	—	—	—
	12.31	4.8	40.0	12.31	4.8	40.0	—	—	—

See footnotes at end of table.

TABLE 2-2. Private industry, selected occupations: Mean hourly earnings¹ and weekly hours for full-time and part-time workers,² National Compensation Survey,³ 1999—Continued

Occupation ⁴	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
Blue collar —Continued									
Precision production, craft, and repair —Continued									
Electrical power installers and repairers	\$22.86	2.8	40.0	\$22.86	2.8	40.0	—	—	—
Painters, construction and maintenance	13.26	6.0	39.5	13.27	6.0	39.6	—	—	—
Plumbers, pipefitters and steamfitters	20.59	6.0	39.4	20.15	5.8	39.7	—	—	—
Plumber, pipefitter, and steamfitter apprentices	17.31	14.7	39.8	17.31	14.7	39.8	—	—	—
Concrete and terrazzo finishers	15.42	13.4	37.6	15.42	13.4	37.6	—	—	—
Glaziers	13.30	2.5	38.1	13.27	2.6	39.7	—	—	—
Insulation workers	15.13	10.1	37.9	15.43	9.9	40.0	—	—	—
Paving, surfacing, and tamping equipment operators	11.66	14.1	40.0	11.66	14.1	40.0	—	—	—
Roofers	16.56	14.5	37.5	16.52	14.9	37.7	—	—	—
Sheetmetal duct installers	18.67	11.4	39.6	18.67	11.4	39.6	—	—	—
Structural metal workers	15.81	5.0	39.7	15.81	5.1	40.1	—	—	—
Construction trades, n.e.c.	15.32	7.3	39.5	15.32	7.3	39.5	—	—	—
Supervisors, extractive	21.55	17.6	41.6	21.94	17.1	42.2	—	—	—
Drillers, oil well	15.20	28.5	40.3	15.20	28.5	40.3	—	—	—
Mining machine operators	16.50	8.2	40.0	16.50	8.2	40.0	—	—	—
Supervisors, production	19.32	2.8	40.7	19.32	2.9	40.7	—	—	—
Tool and die makers	19.86	2.5	40.1	19.86	2.5	40.1	—	—	—
Tool and die maker apprentices	15.61	8.2	39.8	15.61	8.2	39.8	—	—	—
Precision assemblers, metal	13.28	11.1	40.0	13.28	11.1	40.0	—	—	—
Machinists	15.93	4.7	39.4	16.00	4.7	40.0	—	—	—
Machinist apprentices	13.04	5.8	38.6	13.27	5.6	40.0	—	—	—
Precision grinders, filers, and tool sharpeners	15.55	10.9	40.0	15.55	10.9	40.0	—	—	—
Patternmakers and modelmakers, metal	18.89	6.2	40.0	18.89	6.2	40.0	—	—	—
Layout workers	15.19	6.5	40.0	15.19	6.5	40.0	—	—	—
Engravers, metal	15.09	23.1	39.4	14.87	24.0	40.0	—	—	—
Sheet metal workers	17.74	6.6	39.1	17.74	6.6	39.1	—	—	—
Sheet metal worker apprentices	13.40	10.3	39.3	13.40	10.3	39.3	—	—	—
Cabinet makers and bench carpenters	11.85	11.1	40.0	11.85	11.1	40.0	—	—	—
Furniture and wood finishers	11.23	5.9	40.0	11.23	5.9	40.0	—	—	—
Dressmakers	10.31	9.6	38.5	10.31	9.6	38.5	—	—	—
Tailors	12.41	5.9	39.7	12.41	5.9	39.7	—	—	—
Upholsterers	13.32	13.9	39.4	13.32	13.9	39.4	—	—	—
Hand molders and shapers, except jewelers	16.31	5.1	40.0	16.31	5.1	40.0	—	—	—
Patternmakers, layout workers, and cutters	13.97	14.5	40.0	13.97	14.5	40.0	—	—	—
Optical goods workers	11.13	10.0	39.9	11.13	10.0	39.9	—	—	—
Dental laboratory and medical appliance technicians	14.20	1.2	39.0	14.20	1.2	39.0	—	—	—
Bookbinders	11.38	3.9	39.8	11.38	3.9	39.8	—	—	—
Electrical and electronic equipment assemblers	10.72	3.3	39.7	10.75	3.3	40.0	\$7.21	4.6	24.7
Miscellaneous precision workers, n.e.c.	15.89	8.0	39.8	15.92	7.9	40.0	—	—	—
Precision food production	12.42	20.4	30.5	14.57	18.9	37.0	—	—	—
Butchers and meat cutters	10.37	3.7	38.5	10.34	3.7	39.7	11.50	10.2	18.3
Bakers	10.16	7.5	34.2	10.30	8.5	36.8	9.03	7.8	21.4
Food batchmakers	10.39	6.6	38.1	10.43	6.8	39.8	—	—	—
Inspectors, testers, and graders	16.85	2.7	40.3	16.87	2.7	40.4	—	—	—
Precision inspectors, testers, and related workers, n.e.c.	20.33	7.6	40.0	20.33	7.6	40.0	—	—	—
Adjusters and calibrators	14.69	11.8	39.6	14.65	12.0	40.0	—	—	—
Water and sewer treatment plant operators	15.01	5.2	35.6	15.64	4.2	40.0	—	—	—
Power plant operators	21.61	2.1	39.8	21.61	2.1	39.8	—	—	—
Stationary engineers	19.46	4.2	39.2	19.47	4.3	39.9	—	—	—
Miscellaneous plant and system operators, n.e.c.	20.91	4.8	40.1	20.91	4.8	40.1	—	—	—
Machine operators, assemblers, and inspectors									
Lathe and turning machine set-up operators	14.51	3.6	40.0	14.51	3.6	40.0	7.46	1.9	24.3
Lathe and turning machine operators	13.32	5.8	39.9	13.32	5.8	39.9	—	—	—
Milling and planing machine operators	12.56	7.0	40.0	12.56	7.0	40.0	—	—	—
Punching and stamping press operators	12.45	3.3	39.9	12.46	3.4	40.0	—	—	—
Rolling machine operators	14.51	8.1	40.3	14.51	8.1	40.3	—	—	—

See footnotes at end of table.

TABLE 2-2. Private industry, selected occupations: Mean hourly earnings¹ and weekly hours for full-time and part-time workers,² National Compensation Survey,³ 1999—Continued

Occupation ⁴	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
Blue collar—Continued									
Machine operators, assemblers, and inspectors—Continued									
Drilling and boring machine operators	\$11.40	14.3	40.0	\$11.40	14.3	40.0	—	—	—
Grinding, abrading, buffing, and polishing machine operators	12.12	2.8	39.9	12.14	2.8	40.0	—	—	—
Forging machine operators	12.99	4.5	39.8	12.99	4.5	39.8	—	—	—
Numerical control machine operators	13.94	3.5	40.0	13.94	3.5	40.0	—	—	—
Fabricating machine operators, n.e.c.	13.18	2.9	39.4	13.42	2.3	39.9	—	—	—
Molding and casting machine operators	10.91	5.4	39.8	10.96	5.4	39.9	\$6.25	6.5	34.7
Metal plating machine operators	13.56	4.5	39.7	13.61	4.3	39.9	—	—	—
Heat treating equipment operators	13.99	2.7	40.0	13.99	2.7	40.0	—	—	—
Wood lathe, routing, and planing machine operators	8.82	11.1	39.2	8.80	11.3	39.8	—	—	—
Sawing machine operators	10.35	7.9	39.8	10.37	8.0	40.0	—	—	—
Shaping and jointing machine operators	10.19	7.7	39.9	10.19	7.7	39.9	—	—	—
Printing press operators	14.20	3.1	39.5	14.23	3.2	39.7	10.68	21.4	22.5
Photoengravers and lithographers	16.24	11.2	39.1	16.32	11.2	39.3	—	—	—
Typesetters and compositors	12.86	5.7	35.3	13.26	5.6	39.5	—	—	—
Winding and twisting machine operators	11.99	7.2	39.8	11.99	7.2	39.8	—	—	—
Knitting, looping, taping, and weaving machine operators	10.14	2.9	40.0	10.14	2.9	40.0	—	—	—
Textile cutting machine operators	8.65	8.2	40.0	8.65	8.2	40.0	—	—	—
Textile sewing machine operators	7.73	5.0	39.1	7.77	5.1	39.9	—	—	—
Shoe machine operators	9.64	10.7	39.8	9.64	10.7	39.8	—	—	—
Pressing machine operators	7.55	4.1	37.9	7.58	4.2	39.9	—	—	—
Laundering and dry cleaning machine operators	7.11	2.0	37.5	7.13	2.2	39.2	6.76	4.9	22.9
Cementing and gluing machine operators	10.50	10.1	40.0	10.50	10.1	40.0	—	—	—
Packaging and filling machine operators	10.78	4.8	39.3	10.91	4.3	40.0	—	—	—
Extruding and forming machine operators	11.81	4.2	39.8	11.81	4.2	39.8	—	—	—
Mixing and blending machine operators	13.31	3.9	39.7	13.31	3.9	39.8	—	—	—
Separating, filtering, and clarifying machine operators	16.71	3.0	39.6	16.75	3.0	39.8	—	—	—
Compressing and compacting machine operators	10.67	2.4	39.7	10.69	2.4	40.0	—	—	—
Painting and paint spraying machine operators	11.32	8.0	40.0	11.32	8.0	40.0	—	—	—
Roasting and baking machine operators, food ..	11.83	9.5	39.7	11.85	9.5	40.0	—	—	—
Washing, cleaning, and pickling machine operators	11.26	8.7	40.1	11.26	8.7	40.1	—	—	—
Folding machine operators	11.81	4.2	39.7	11.85	4.2	39.8	—	—	—
Furnace, kiln, and oven operators, except food ..	13.17	5.6	39.9	13.17	5.6	40.0	—	—	—
Crushing and grinding machine operators	12.37	5.7	39.9	12.37	5.7	39.9	—	—	—
Slicing and cutting machine operators	12.50	4.6	39.9	12.51	4.6	40.0	—	—	—
Photographic process machine operators	10.78	6.4	31.0	12.21	4.0	39.9	7.34	4.8	20.2
Miscellaneous machine operators, n.e.c.	10.86	6.4	39.6	10.88	6.5	39.9	7.96	5.6	19.3
Welders and cutters	14.32	2.5	40.0	14.32	2.5	40.0	—	—	—
Solders and braziers	9.54	8.2	40.0	9.54	8.2	40.0	—	—	—
Assemblers	11.44	3.7	39.3	11.60	3.8	39.9	7.32	2.5	28.1
Hand cutting and trimming	7.71	10.5	39.8	7.72	10.5	40.0	—	—	—
Hand molding, casting, and forming	11.50	2.4	39.9	11.53	2.3	40.0	—	—	—
Hand painting, coating, and decorating	10.11	5.6	39.8	10.11	5.6	40.0	—	—	—
Hand engraving and printing	11.54	8.7	35.2	—	—	—	—	—	—
Miscellaneous hand working, n.e.c.	10.19	4.5	38.8	10.31	4.6	39.6	5.86	7.2	21.8
Production inspectors, checkers and examiners ..	11.49	2.9	39.9	11.50	2.9	40.0	8.69	10.7	23.1
Production testers	12.55	3.6	40.0	12.55	3.6	40.0	—	—	—
Production samplers and weighers	14.53	3.5	39.6	14.53	3.5	39.6	—	—	—
Graders and sorters, except agricultural	9.55	5.7	39.9	9.58	5.7	39.9	—	—	—
Hand inspectors, n.e.c.	10.36	5.4	39.9	10.36	5.4	39.9	—	—	—
Transportation and material moving	12.79	2.0	38.1	13.14	2.0	41.2	9.47	12.2	22.0
Supervisors, motor vehicle operators	17.60	3.6	42.3	17.66	3.6	42.4	—	—	—
Truck drivers	12.67	2.4	40.3	12.66	2.3	42.1	12.78	20.2	24.4
Driver-sales workers	11.89	5.7	34.2	13.26	5.2	40.7	5.97	5.9	20.1

See footnotes at end of table.

TABLE 2-2. Private industry, selected occupations: Mean hourly earnings¹ and weekly hours for full-time and part-time workers,² National Compensation Survey,³ 1999—Continued

Occupation ⁴	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
Blue collar—Continued									
Transportation and material moving—Continued									
Bus drivers	\$10.87	4.6	27.5	\$11.29	8.0	38.7	\$10.41	4.6	20.8
Taxicab drivers and chauffeurs	8.28	4.9	29.8	8.95	6.4	39.7	6.96	4.5	20.0
Parking lot attendants	7.70	7.1	32.3	8.49	5.2	40.0	5.77	6.3	22.0
Motor transportation, n.e.c.	7.08	6.3	29.9	7.75	5.9	38.1	5.76	10.2	21.2
Railroad brake, signal and switch operators	19.68	17.5	40.0	19.68	17.5	40.0	—	—	—
Ship captains and mates, except fishing boats ..	17.82	7.5	51.7	17.89	7.6	52.6	—	—	—
Sailors and deckhands	11.31	15.7	44.7	10.99	14.7	49.0	—	—	—
Supervisors, material moving equipment	16.76	7.1	40.5	16.76	7.1	40.5	—	—	—
Operating engineers	20.81	5.1	40.0	20.81	5.1	40.0	—	—	—
Longshore equipment operators	27.70	6.4	37.5	—	—	—	—	—	—
Hoist and winch operators	14.92	9.7	40.0	14.92	9.7	40.0	—	—	—
Crane and tower operators	15.96	4.8	40.1	15.96	4.8	40.1	—	—	—
Excavating and loading machine operators	13.91	3.9	40.0	13.91	3.9	40.0	—	—	—
Grader, dozer, and scraper operators	15.27	4.7	40.1	15.27	4.7	40.1	—	—	—
Industrial truck and tractor equipment operators	12.25	2.6	39.7	12.29	2.6	39.9	9.35	8.7	30.7
Miscellaneous material moving equipment operators, n.e.c.	14.46	4.5	38.2	14.63	4.6	40.0	11.24	3.1	20.5
Handlers, equipment cleaners, helpers, and laborers									
Nursery workers	9.73	2.4	35.4	10.12	3.1	39.7	7.32	1.5	21.2
Supervisors, agriculture-related workers	7.36	5.3	34.1	7.92	4.9	40.0	—	—	—
Groundskeepers and gardeners, except farm ...	16.32	14.3	38.4	16.32	14.3	38.4	—	—	—
Animal caretakers, except farm	8.59	3.4	36.8	8.70	3.9	39.8	7.15	5.3	18.5
Inspectors, agricultural products	8.87	8.5	30.6	9.79	7.3	38.5	6.33	7.2	19.5
Supervisors, handlers, equipment cleaners, and laborers, n.e.c.	8.74	11.3	37.2	9.08	15.5	40.0	—	—	—
Helpers, mechanics and repairers	15.89	8.6	38.7	15.93	8.7	39.0	—	—	—
Helpers, construction trades	10.00	4.7	38.4	10.19	5.0	39.8	7.03	8.5	25.1
Helpers, extractive	10.08	3.7	39.1	10.08	3.8	39.9	10.35	10.5	22.5
Construction laborers	8.85	14.8	38.1	8.85	14.8	38.1	—	—	—
Production helpers	11.67	5.2	39.4	11.68	5.4	39.9	11.27	17.6	28.9
Stevedores	10.03	3.7	39.0	10.08	3.8	39.8	—	—	—
Stock handlers and baggers	20.58	6.3	39.2	20.58	6.3	39.2	—	—	—
Machine feeders and offbearers	9.53	7.4	29.7	11.18	9.3	39.7	6.68	1.6	20.7
Freight, stock, and material handlers, n.e.c.	9.61	2.7	39.2	9.62	2.7	39.8	8.96	13.6	22.8
Garage and service station related	10.81	3.3	33.8	11.22	3.6	39.7	9.05	2.9	20.8
Vehicle washers and equipment cleaners	8.78	7.5	34.1	9.06	7.8	39.1	6.36	4.7	16.2
Hand packers and packagers	8.78	4.2	37.5	8.91	4.5	39.9	6.99	5.0	21.0
Laborers, except construction, n.e.c.	8.18	2.5	38.2	8.24	2.9	39.9	6.74	3.4	19.6
	9.41	2.1	36.4	9.71	2.3	39.6	7.37	2.9	23.4
Service									
Protective service	7.94	.9	30.6	8.63	1.1	38.6	6.40	1.1	20.8
Supervisors, guards	9.12	2.4	33.9	9.41	2.6	39.4	7.93	3.8	21.6
Police and detectives, public service	14.99	8.1	37.9	15.09	8.0	38.4	—	—	—
Guards and police, except public service	15.61	15.2	29.7	—	—	—	—	—	—
Protective service, n.e.c.	8.69	2.2	34.3	8.84	2.2	39.4	8.05	4.3	22.4
Food service	10.15	19.6	25.1	13.12	25.0	38.5	6.71	3.6	17.9
Waiters, waitresses, and bartenders	6.57	1.5	28.7	7.28	2.6	38.7	5.65	1.4	21.6
Bartenders	4.70	2.8	27.4	4.92	3.7	37.7	4.41	3.4	20.2
Waiters and waitresses	6.72	6.6	28.1	7.34	9.2	38.2	5.75	2.7	19.8
Waiters/waitresses' assistants	4.03	3.8	27.7	4.07	5.4	37.5	3.98	4.5	20.8
Other food service	5.61	2.7	25.3	5.99	4.0	38.3	5.16	3.2	17.9
Supervisors, food preparation and service	7.49	1.3	29.4	8.46	1.4	39.1	6.26	1.2	22.3
Cooks	10.67	2.6	39.5	11.00	2.5	41.7	6.69	12.2	24.2
Kitchen workers, food preparation	8.12	2.2	33.7	8.53	2.0	38.8	6.93	4.5	24.3
Food preparation, n.e.c.	7.11	2.4	30.0	7.69	3.2	39.2	6.42	3.0	23.5
Health service	6.57	1.4	25.9	7.29	1.5	38.3	6.07	1.4	21.2
Dental assistants	9.06	2.0	32.8	9.20	2.2	38.6	8.46	1.6	19.6
Health aides, except nursing	12.36	8.3	30.3	12.88	8.7	37.0	9.00	11.2	14.0
	9.65	2.8	31.8	9.94	3.0	39.3	8.35	3.4	17.1

See footnotes at end of table.

TABLE 2-2. Private industry, selected occupations: Mean hourly earnings¹ and weekly hours for full-time and part-time workers,² National Compensation Survey,³ 1999—Continued

Occupation ⁴	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
Service —Continued									
Health service —Continued									
Nursing aides, orderlies and attendants	\$8.45	1.4	33.5	\$8.45	1.7	38.7	\$8.44	1.5	21.2
Cleaning and building service	8.71	1.7	32.4	9.09	2.0	38.9	7.21	2.1	19.4
Supervisors, cleaning and building service workers	10.20	7.2	39.3	10.21	7.3	39.5	8.75	2.8	25.3
Maids and housemen	7.42	2.4	33.8	7.50	2.6	37.8	6.97	4.2	22.1
Janitors and cleaners	8.77	2.1	30.7	9.30	2.6	39.2	7.24	2.4	18.9
Pest control	11.01	10.2	40.0	11.01	10.2	40.0	—	—	—
Personal service	8.81	2.5	30.1	9.58	2.8	37.8	6.87	3.5	19.8
Supervisors, personal service	15.92	10.7	39.4	16.03	10.5	40.1	9.88	11.6	20.9
Hairdressers and cosmetologists	9.79	5.6	29.8	9.83	6.1	38.6	9.68	9.1	18.6
Attendants, amusement, and recreation facilities	6.26	5.2	29.7	6.52	5.3	39.5	5.70	5.5	19.4
Guides	10.89	12.7	31.8	11.82	11.1	39.5	7.61	9.4	18.9
Ushers	5.92	4.3	16.2	—	—	—	5.94	4.5	15.9
Public transportation attendants	27.60	8.0	20.7	28.69	6.8	20.9	14.94	23.2	18.9
Baggage porters and bellhops	6.98	5.9	35.3	6.79	6.8	39.4	7.87	9.5	23.8
Welfare service aides	7.30	4.8	28.3	8.04	4.6	39.5	6.30	6.0	20.5
Early childhood teachers' assistants	6.37	2.5	30.1	6.57	3.6	38.3	6.02	2.6	22.0
Child care workers, n.e.c.	7.86	3.7	31.5	8.21	3.7	39.8	6.85	3.2	19.5
Service, n.e.c.	8.06	8.8	30.6	8.38	12.0	39.2	7.14	3.8	18.6

¹ Earnings are the straight-time hourly wages or salaries paid to employees. They include incentive pay, cost-of-living adjustments, and hazard pay. Excluded are premium pay for overtime, vacations, 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 Total includes full-time and part-time workers. 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 This survey covers all 50 States. Collection was conducted between September 1998

and April 2000. The average reference period was September 1999. For the first time, estimates include workers in private establishments employing fewer than 50 workers.

⁴ A classification system including about 480 individual occupations is used to cover all workers in the civilian economy. For more information, see appendix B.

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

NOTE: Dashes indicate that no data were reported or that data did not meet publication criteria, and n.e.c. means "not elsewhere classified." Overall occupational groups may include data for categories not shown separately.

TABLE 2-3. State and local government, selected occupations: Mean hourly earnings¹ and weekly hours for full-time and part-time workers,² National Compensation Survey,³ 1999

Occupation ⁴	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
All	\$19.34	0.7	36.6	\$19.72	0.8	38.8	\$13.43	2.5	19.2
All, excluding sales	19.36	.7	36.6	19.74	.8	38.8	13.48	2.6	19.2
White collar	21.84	.8	36.4	22.14	.8	38.3	16.41	3.1	18.9
White collar, excluding sales	21.90	.8	36.4	22.19	.8	38.3	16.56	3.1	18.9
Professional specialty and technical	26.04	.8	35.9	26.29	.9	37.9	21.23	3.0	17.7
Professional specialty	27.30	.8	35.7	27.53	.9	37.7	22.51	2.8	17.0
Engineers, architects, and surveyors	25.85	1.9	39.4	25.88	1.9	39.4	-	-	-
Architects	27.18	4.1	39.2	27.18	4.1	39.2	-	-	-
Civil engineers	26.09	2.9	39.4	26.14	2.9	39.4	-	-	-
Electrical and electronic engineers	26.86	3.7	40.0	26.86	3.7	40.0	-	-	-
Industrial engineers	20.50	8.1	39.7	20.50	8.1	39.7	-	-	-
Mechanical engineers	26.89	8.2	37.2	26.89	8.2	37.2	-	-	-
Engineers, n.e.c.	25.03	4.8	39.6	25.03	4.8	39.6	-	-	-
Surveyors and mapping scientists	20.43	7.4	38.4	-	-	-	-	-	-
Mathematical and computer scientists	22.73	3.6	39.4	22.75	3.6	39.7	-	-	-
Computer systems analysts and scientists	22.80	3.6	39.4	22.83	3.7	39.7	-	-	-
Natural scientists	20.89	3.7	39.9	20.83	3.7	40.1	-	-	-
Chemists, except biochemists	24.58	4.4	40.4	24.58	4.4	40.4	-	-	-
Geologists and geodesists	20.65	12.3	44.7	20.65	12.3	44.7	-	-	-
Physical scientists, n.e.c.	21.29	4.7	39.7	21.29	4.7	39.7	-	-	-
Agricultural and food scientists	22.05	12.5	40.0	22.05	12.5	40.0	-	-	-
Biological and life scientists	19.74	6.6	38.8	19.81	6.6	39.1	-	-	-
Forestry and conservation scientists	21.29	9.8	39.7	21.29	9.8	39.7	-	-	-
Medical scientists	19.35	12.6	39.3	18.99	13.0	39.9	-	-	-
Health related	23.87	2.8	37.0	23.76	3.0	39.7	24.83	3.8	23.3
Physicians	34.75	9.2	43.4	34.04	9.9	44.9	59.10	7.6	20.1
Registered nurses	21.89	1.7	36.2	21.66	1.5	39.0	23.71	4.8	23.2
Pharmacists	27.96	5.5	38.9	27.84	5.7	39.9	-	-	-
Dietitians	16.29	3.9	35.7	16.09	4.1	39.5	-	-	-
Respiratory therapists	17.92	3.9	36.0	18.39	3.4	39.1	-	-	-
Occupational therapists	24.73	5.1	32.9	24.93	5.7	38.1	23.79	9.9	19.7
Physical therapists	25.78	4.6	36.0	26.46	6.0	38.5	24.17	1.7	31.1
Speech therapists	25.95	9.4	35.2	25.92	10.0	37.0	26.41	12.0	20.1
Therapists, n.e.c.	19.30	6.2	37.8	18.94	6.3	39.2	-	-	-
Teachers, college and university	35.11	2.1	34.1	35.40	2.2	39.3	31.79	4.8	13.5
Earth, environmental, and marine science teachers	35.08	14.5	35.8	35.01	14.8	36.7	-	-	-
Biological science teachers	37.23	8.8	37.3	37.14	9.0	39.6	42.08	17.9	9.2
Chemistry teachers	32.46	6.0	41.8	32.22	5.9	43.6	-	-	-
Physics teachers	38.82	21.6	37.3	38.82	21.6	37.3	-	-	-
Natural science teachers, n.e.c.	43.76	7.2	39.7	43.76	7.2	39.7	-	-	-
Psychology teachers	29.83	10.3	37.7	29.93	10.5	40.0	-	-	-
History teachers	37.14	7.3	37.1	37.19	7.5	40.9	-	-	-
Political science teachers	31.96	10.5	38.7	31.94	10.6	40.4	-	-	-
Sociology teachers	40.90	7.9	39.3	40.97	7.8	39.8	-	-	-
Social science teachers, n.e.c.	37.00	3.4	39.0	37.11	3.4	39.7	-	-	-
Engineering teachers	46.47	11.9	41.6	46.76	12.2	43.7	-	-	-
Mathematical science teachers	35.88	10.3	34.9	36.69	10.3	39.0	23.49	9.3	13.4
Computer science teachers	33.59	12.8	31.7	38.08	7.9	38.8	25.28	5.1	23.7
Medical science teachers	46.38	9.6	34.6	41.86	11.4	41.1	78.22	13.8	16.4
Health specialties teachers	33.96	10.4	35.0	34.14	10.6	37.5	27.45	11.7	10.3
Business, commerce, and marketing teachers ..	35.63	8.7	37.1	35.59	8.8	39.5	37.35	8.5	10.2
Agriculture and forestry teachers	43.40	24.3	35.3	43.40	24.3	35.3	-	-	-
Art, drama, and music teachers	30.91	8.9	35.5	31.31	9.6	38.7	24.00	9.1	14.7
Physical education teachers	39.72	11.1	23.4	41.62	11.9	37.2	28.76	11.5	7.5
Education teachers	38.21	7.6	37.5	38.69	7.2	38.5	-	-	-
English teachers	37.83	11.8	34.9	38.21	12.2	38.3	28.84	5.8	11.2
Foreign language teachers	21.60	23.6	32.3	20.83	25.4	43.7	27.91	13.4	10.4
Theology teachers	43.42	6.9	45.4	43.42	6.9	45.4	-	-	-
Trade and industrial teachers	29.28	2.9	33.0	29.87	2.6	38.0	21.90	9.3	12.4
Other post-secondary teachers	32.43	2.6	31.2	32.96	2.8	38.8	28.37	4.3	12.6
Teachers, except college and university	28.51	.9	34.9	28.90	.9	36.6	18.20	7.8	15.8
Prekindergarten and kindergarten	26.56	4.5	35.0	26.64	4.6	37.1	24.54	8.3	15.1

See footnotes at end of table.

TABLE 2-3. State and local government, selected occupations: Mean hourly earnings¹ and weekly hours for full-time and part-time workers,² National Compensation Survey,³ 1999—Continued

Occupation ⁴	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar —Continued									
Professional specialty and technical —Continued									
Professional specialty—Continued									
Teachers, except college and university—Continued									
Elementary school teachers	\$28.71	1.1	36.2	\$28.76	1.1	36.6	\$24.69	7.3	18.1
Secondary school teachers	29.01	1.4	36.7	28.98	1.4	37.1	31.11	4.6	21.9
Teachers, special education	30.13	3.2	35.6	30.20	3.3	35.9	26.53	13.1	24.0
Teachers, n.e.c.	29.23	3.2	32.2	29.91	3.3	35.7	19.81	10.3	13.5
Substitute teachers	10.56	4.5	15.5	11.71	14.0	32.3	10.41	4.8	14.5
Vocational and educational counselors	27.57	4.5	36.7	27.77	4.6	37.7	22.98	14.1	23.3
Librarians, archivists, and curators	22.58	3.7	37.4	22.68	3.8	38.5	19.76	10.9	21.0
Librarians	22.96	3.7	37.4	23.08	3.8	38.5	19.75	11.6	21.0
Archivists and curators	17.37	14.4	37.1	17.28	14.9	38.1	—	—	—
Social scientists and urban planners	25.73	6.3	37.6	25.76	6.4	38.5	24.45	7.2	15.9
Economists	21.82	7.2	40.0	21.82	7.2	40.0	—	—	—
Psychologists	28.93	5.7	37.3	29.03	5.8	38.0	24.87	7.0	21.5
Social scientists, n.e.c.	12.30	9.9	39.8	12.30	9.9	39.8	—	—	—
Urban planners	23.24	4.3	36.1	23.29	4.3	39.4	—	—	—
Social, recreation, and religious workers	17.28	1.8	37.9	17.33	1.9	39.1	15.67	7.2	19.3
Social workers	17.42	1.9	38.4	17.42	1.9	39.0	17.41	9.2	21.9
Recreation workers	15.04	5.0	31.0	15.65	5.6	39.2	12.10	9.1	15.5
Lawyers and judges	33.72	6.0	36.4	33.97	6.1	38.9	28.70	12.3	15.6
Lawyers	32.22	6.4	36.4	32.41	6.7	38.9	28.61	12.9	16.5
Judges	48.21	9.7	36.0	48.58	9.7	39.7	30.83	11.4	6.8
Writers, authors, entertainers, athletes, and professionals, n.e.c.	23.31	7.1	35.8	23.60	7.4	39.6	20.35	13.0	18.2
Designers	17.50	8.9	38.3	17.84	8.8	39.8	—	—	—
Painters, sculptors, craft artists, and artist printmakers	19.70	10.5	39.6	19.70	10.5	39.6	—	—	—
Artists, performers, and related workers, n.e.c.	16.93	5.0	26.3	—	—	—	18.81	5.2	20.7
Editors and reporters	18.47	5.5	38.3	18.67	5.2	39.3	—	—	—
Public relations specialists	23.63	16.9	35.9	23.70	16.9	38.8	—	—	—
Athletes	29.09	13.9	32.2	31.87	9.0	40.0	12.81	15.5	15.1
Professional, n.e.c.	23.68	7.2	38.0	23.21	6.8	39.9	29.14	23.1	24.7
Technical	15.46	1.5	37.3	15.49	1.6	39.6	15.12	7.6	22.4
Clinical laboratory technologists and technicians	16.12	4.9	38.0	16.11	5.1	39.5	16.26	6.3	22.5
Health record technologists and technicians	13.83	8.0	35.6	12.98	10.2	39.9	17.72	10.1	23.7
Radiological technicians	17.07	9.0	31.8	15.45	4.4	39.9	22.34	15.8	19.2
Licensed practical nurses	13.12	2.5	37.2	12.93	2.7	39.7	15.13	4.9	22.5
Health technologists and technicians, n.e.c.	13.86	2.8	36.6	14.09	3.0	39.9	11.85	6.8	21.3
Electrical and electronic technicians	16.56	12.9	38.1	16.65	13.3	39.5	—	—	—
Engineering technicians, n.e.c.	17.91	4.1	38.6	17.49	3.4	39.4	—	—	—
Drafters	18.97	5.2	39.8	18.97	5.2	39.8	—	—	—
Surveying and mapping technicians	16.71	6.6	39.2	16.71	6.6	39.2	—	—	—
Biological technicians	13.15	6.2	34.8	13.71	6.3	39.8	—	—	—
Chemical technicians	19.87	6.9	38.1	20.51	5.8	40.0	—	—	—
Science technicians, n.e.c.	15.49	4.9	36.4	15.71	4.9	38.3	—	—	—
Broadcast equipment operators	19.91	8.3	38.0	20.11	8.0	39.2	—	—	—
Computer programmers	20.82	4.1	39.7	20.82	4.1	39.7	—	—	—
Legal assistants	16.05	6.9	39.2	16.30	6.3	39.5	—	—	—
Technical and related, n.e.c.	16.02	4.9	36.9	16.28	5.2	39.3	13.17	5.9	22.2
Executive, administrative, and managerial	25.89	2.5	38.5	25.93	2.5	39.4	22.03	8.7	12.2
Executives, administrators, and managers	30.19	2.2	38.4	30.25	2.2	39.5	24.13	14.2	9.5
Legislators	15.74	19.1	12.4	12.97	27.1	33.5	20.05	22.4	6.3
Chief executives and general administrators, public administration	39.22	4.7	39.4	39.21	4.7	39.5	—	—	—
Administrators and officials, public administration	26.84	2.6	38.9	26.85	2.6	39.6	24.63	42.4	9.9
Financial managers	30.87	4.0	39.7	30.87	4.0	39.7	—	—	—
Personnel and labor relations managers	34.36	5.1	39.1	34.36	5.1	39.1	—	—	—

See footnotes at end of table.

TABLE 2-3. State and local government, selected occupations: Mean hourly earnings¹ and weekly hours for full-time and part-time workers,² National Compensation Survey,³ 1999—Continued

Occupation ⁴	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar —Continued									
Executive, administrative, and managerial —Continued									
Executives, administrators, and managers —Continued									
Purchasing managers	\$26.11	18.9	40.1	\$26.11	18.9	40.1	—	—	—
Managers, marketing, advertising, and public relations	30.57	12.9	40.3	30.57	12.9	40.3	—	—	—
Administrators, education and related fields	35.14	2.9	39.2	35.14	2.9	39.4	\$34.73	16.2	19.5
Managers, medicine and health	32.01	13.8	38.9	32.01	13.8	38.9	—	—	—
Managers, food servicing and lodging establishments	17.60	8.7	39.0	17.68	9.0	39.4	—	—	—
Managers, properties and real estate	20.77	5.0	39.3	20.77	5.0	39.3	—	—	—
Managers, service organizations, n.e.c.	21.15	5.1	39.2	21.23	5.1	39.3	—	—	—
Managers and administrators, n.e.c.	28.28	3.7	40.0	28.31	3.7	40.1	—	—	—
Management related	19.87	2.3	38.7	19.88	2.4	39.2	19.66	7.7	17.9
Accountants and auditors	19.15	3.2	38.8	19.14	3.3	39.3	—	—	—
Other financial officers	22.66	9.2	38.2	22.64	9.3	38.3	—	—	—
Management analysts	20.90	7.5	39.6	20.75	7.2	39.7	—	—	—
Personnel, training, and labor relations specialists	19.92	4.0	38.7	19.94	4.0	39.1	—	—	—
Buyers, wholesale and retail trade, except farm products	22.75	8.1	39.7	22.75	8.1	39.7	—	—	—
Purchasing agents and buyers, n.e.c.	15.70	10.7	39.8	15.70	10.7	39.8	—	—	—
Construction inspectors	20.73	4.1	38.8	20.69	4.1	39.6	—	—	—
Inspectors and compliance officers, except construction	18.55	4.2	38.6	18.57	4.2	39.0	—	—	—
Management related, n.e.c.	21.08	3.3	38.3	21.16	3.4	39.1	17.41	11.1	19.4
Sales	12.16	6.2	33.9	12.92	6.7	38.5	8.62	8.0	21.8
Supervisors, sales	15.80	9.8	39.3	15.85	10.1	40.0	—	—	—
Real estate sales	19.95	12.2	38.5	19.95	12.2	38.5	—	—	—
Sales workers, other commodities	9.23	11.0	30.3	—	—	—	—	—	—
Cashiers	10.54	7.3	32.6	11.14	8.6	37.8	8.70	8.6	22.7
Administrative support, including clerical	12.37	.8	36.4	12.52	.9	38.6	10.53	2.9	21.2
Supervisors, general office	16.54	3.1	39.0	16.54	3.1	39.1	—	—	—
Supervisors, financial records processing	16.72	5.0	38.1	16.72	5.0	38.1	—	—	—
Chief communications operators	17.47	5.8	40.0	17.47	5.8	40.0	—	—	—
Supervisors, distribution, scheduling, and adjusting clerks	17.36	9.1	38.3	17.36	9.1	38.3	—	—	—
Computer operators	13.34	6.0	39.3	13.33	6.0	39.4	—	—	—
Secretaries	12.87	1.6	38.3	12.93	1.6	39.1	10.55	3.6	22.2
Stenographers	17.16	7.9	34.8	17.14	8.4	37.7	—	—	—
Typists	12.19	1.9	36.7	12.24	2.0	38.2	11.11	5.1	19.1
Interviewers	10.35	5.8	37.7	10.17	6.4	39.7	12.45	5.3	23.7
Receptionists	10.31	4.9	35.4	10.50	5.4	39.3	8.65	7.3	18.7
Information clerks, n.e.c.	12.55	5.2	36.3	12.60	5.6	39.3	12.06	15.7	21.0
Order clerks	15.83	8.6	38.5	15.97	8.9	40.0	—	—	—
Personnel clerks, except payroll and timekeeping	13.15	6.6	37.0	13.30	7.1	39.0	—	—	—
Library clerks	10.56	2.5	29.6	11.03	3.1	37.8	9.22	3.5	18.3
File clerks	10.21	7.3	37.7	10.28	7.6	39.4	—	—	—
Records clerks, n.e.c.	11.71	2.7	38.1	11.69	2.8	39.3	12.01	7.5	24.2
Bookkeepers, accounting and auditing clerks ...	12.78	2.0	38.6	12.80	2.0	39.0	11.79	7.1	23.3
Payroll and timekeeping clerks	14.65	4.9	38.8	14.65	4.9	39.1	—	—	—
Billing clerks	11.73	6.9	36.6	11.82	7.1	40.0	—	—	—
Duplicating machine operators	9.90	9.5	39.6	9.90	9.5	39.8	—	—	—
Telephone operators	11.00	7.0	35.7	11.10	7.4	39.2	—	—	—
Communications equipment operators, n.e.c.	11.98	6.1	32.3	—	—	—	—	—	—
Mail clerks, except postal service	9.06	8.0	39.2	9.09	8.2	39.7	—	—	—
Messengers	10.37	9.6	33.9	10.60	9.5	37.7	—	—	—
Dispatchers	13.91	4.6	38.3	14.03	4.7	40.0	11.19	12.4	19.7

See footnotes at end of table.

TABLE 2-3. State and local government, selected occupations: Mean hourly earnings¹ and weekly hours for full-time and part-time workers,² National Compensation Survey,³ 1999—Continued

Occupation ⁴	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar —Continued									
Administrative support, including clerical —Continued									
Production coordinators	\$17.94	15.6	39.8	\$17.94	15.6	39.8	—	—	—
Traffic, shipping and receiving clerks	13.46	4.7	38.2	13.46	4.7	38.2	—	—	—
Stock and inventory clerks	12.34	3.6	38.9	12.44	3.8	39.2	\$9.60	10.0	31.8
Meter readers	14.18	5.4	39.0	14.26	5.6	40.0	—	—	—
Material recording, scheduling, and distribution clerks, n.e.c.	15.18	8.8	40.0	15.18	8.8	40.0	—	—	—
Insurance adjusters, examiners, and investigators	15.18	8.1	40.0	15.18	8.1	40.0	—	—	—
Investigators and adjusters, except insurance ..	15.41	5.5	38.4	15.64	5.4	39.8	—	—	—
Eligibility clerks, social welfare	14.19	2.0	38.5	14.26	2.0	38.8	10.48	7.0	27.1
Bill and account collectors	13.55	4.0	39.7	13.55	4.0	39.7	—	—	—
General office clerks	11.84	1.5	37.1	12.03	1.4	39.1	9.01	7.7	21.4
Data entry keyers	11.38	3.2	39.2	11.39	3.2	39.4	—	—	—
Statistical clerks	10.45	5.1	38.9	10.50	5.2	39.9	—	—	—
Teachers' aides	9.83	2.2	30.8	9.43	2.1	35.3	11.06	4.4	22.2
Administrative support, n.e.c.	12.96	2.3	36.1	13.17	2.4	38.7	10.56	6.9	20.4
Blue collar	15.02	1.2	37.5	15.26	1.3	39.4	11.11	1.7	21.2
Precision production, craft, and repair	17.06	1.7	39.8	17.07	1.7	39.8	12.38	10.2	18.7
Supervisors, mechanics and repairers	20.93	4.0	39.9	20.93	4.0	39.9	—	—	—
Automobile mechanics	18.36	9.1	39.8	18.36	9.1	39.8	—	—	—
Bus, truck, and stationary engine mechanics	17.01	2.1	40.0	17.01	2.1	40.0	—	—	—
Small engine repairers	12.25	5.9	40.0	12.25	5.9	40.0	—	—	—
Heavy equipment mechanics	16.34	8.8	40.0	16.34	8.8	40.0	—	—	—
Industrial machinery repairers	18.69	7.0	39.9	18.69	7.0	39.9	—	—	—
Machinery maintenance	13.86	14.8	38.1	13.89	14.8	38.2	—	—	—
Electronic repairers, communications and industrial equipment	17.76	6.2	39.0	17.91	6.2	39.9	—	—	—
Data processing equipment repairers	16.19	3.8	40.0	16.19	3.8	40.0	—	—	—
Heating, air conditioning, and refrigeration mechanics	15.72	4.1	39.6	15.71	4.1	39.9	—	—	—
Mechanical controls and valve repairers	17.73	5.6	38.4	18.11	5.3	40.0	—	—	—
Mechanics and repairers, n.e.c.	14.85	3.3	39.8	14.85	3.3	39.8	—	—	—
Supervisors, electricians and power transmission installers	22.79	12.3	40.0	22.79	12.3	40.0	—	—	—
Supervisors, plumbers, pipefitters, and steamfitters	24.03	14.2	40.0	24.03	14.2	40.0	—	—	—
Supervisors, construction trades, n.e.c.	17.21	6.2	39.9	17.21	6.2	39.9	—	—	—
Carpenters	17.78	6.3	39.5	17.79	6.3	39.6	—	—	—
Electricians	19.09	4.4	39.8	19.09	4.4	39.8	—	—	—
Electrical power installers and repairers	21.17	5.7	40.0	21.17	5.7	40.0	—	—	—
Painters, construction and maintenance	17.00	6.3	39.3	17.00	6.3	39.4	—	—	—
Plumbers, pipefitters and steamfitters	17.71	5.0	39.8	17.71	5.0	39.8	—	—	—
Plumber, pipefitter, and steamfitter apprentices	16.45	5.4	40.0	16.45	5.4	40.0	—	—	—
Paving, surfacing, and tamping equipment operators	13.13	1.2	40.0	13.13	1.2	40.0	—	—	—
Construction trades, n.e.c.	13.44	3.6	39.7	13.44	3.6	39.8	—	—	—
Supervisors, production	18.87	10.7	40.0	18.87	10.7	40.0	—	—	—
Machinists	21.48	7.8	40.0	21.48	7.8	40.0	—	—	—
Inspectors, testers, and graders	18.62	6.5	39.7	18.63	6.5	39.8	—	—	—
Water and sewer treatment plant operators	16.14	3.4	39.9	16.15	3.4	40.0	—	—	—
Power plant operators	23.08	6.2	39.8	23.08	6.2	39.8	—	—	—
Stationary engineers	19.86	5.9	39.7	19.86	5.9	39.7	—	—	—
Miscellaneous plant and system operators, n.e.c.	16.13	4.9	40.0	16.13	4.9	40.0	—	—	—
Machine operators, assemblers, and inspectors	14.38	6.5	38.4	14.51	6.7	39.5	10.14	9.0	19.4
Printing press operators	13.56	4.8	37.9	13.63	4.9	39.2	—	—	—
Laundry and dry cleaning machine operators	9.55	6.0	37.5	9.49	6.3	39.8	10.73	6.5	17.4

See footnotes at end of table.

TABLE 2-3. State and local government, selected occupations: Mean hourly earnings¹ and weekly hours for full-time and part-time workers,² National Compensation Survey,³ 1999—Continued

Occupation ⁴	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
Blue collar—Continued									
Machine operators, assemblers, and inspectors—Continued									
Furnace, kiln, and oven operators, except food	\$16.65	7.6	40.0	\$16.65	7.6	40.0	—	—	—
Miscellaneous machine operators, n.e.c.	15.70	13.5	38.4	15.72	13.6	38.9	—	—	—
Welders and cutters	19.03	8.0	40.0	19.03	8.0	40.0	—	—	—
Transportation and material moving	13.96	1.7	34.0	14.33	2.0	38.3	\$11.86	1.9	20.8
Supervisors, motor vehicle operators	15.66	12.0	39.8	15.66	12.0	39.8	—	—	—
Truck drivers	14.10	4.2	39.4	14.21	4.1	39.9	8.09	5.2	23.7
Bus drivers	13.76	1.8	28.6	14.69	2.3	35.5	11.94	1.9	20.8
Taxicab drivers and chauffeurs	9.02	7.7	35.2	9.00	8.8	39.4	—	—	—
Motor transportation, n.e.c.	14.64	6.1	39.3	14.64	6.1	39.3	—	—	—
Locomotive operating	20.35	3.4	39.9	20.38	3.3	40.0	—	—	—
Bridge, lock and lighthouse tenders	11.74	2.5	40.0	—	—	—	—	—	—
Supervisors, material moving equipment	15.13	9.9	39.3	15.13	9.9	39.3	—	—	—
Operating engineers	13.87	8.7	40.0	13.87	8.7	40.0	—	—	—
Excavating and loading machine operators	13.51	9.4	39.8	13.51	9.4	39.8	—	—	—
Grader, dozer, and scraper operators	13.03	7.8	39.9	13.03	7.8	39.9	—	—	—
Industrial truck and tractor equipment operators	11.78	4.0	40.0	11.78	4.0	40.0	—	—	—
Miscellaneous material moving equipment operators, n.e.c.	13.61	4.7	39.2	13.64	4.7	39.5	—	—	—
Handlers, equipment cleaners, helpers, and laborers	12.44	2.5	38.5	12.67	2.6	39.8	7.93	3.0	23.4
Supervisors, agriculture-related workers	17.74	5.9	39.8	17.79	5.9	40.0	—	—	—
Groundskeepers and gardeners, except farm	11.75	3.4	38.1	12.07	3.7	39.7	8.34	4.1	26.7
Animal caretakers, except farm	13.01	13.0	38.7	13.01	13.0	38.7	—	—	—
Supervisors, handlers, equipment cleaners, and laborers, n.e.c.	16.86	5.4	39.9	16.86	5.4	39.9	—	—	—
Helpers, mechanics and repairers	13.80	4.6	38.3	13.89	4.6	39.5	—	—	—
Helpers, construction trades	11.96	6.0	40.0	11.96	6.0	40.0	—	—	—
Construction laborers	11.46	4.9	38.8	11.60	5.1	39.7	8.54	5.4	26.4
Production helpers	10.86	9.7	21.2	12.10	15.9	40.0	—	—	—
Garbage collectors	14.82	12.7	39.6	14.99	12.5	39.9	—	—	—
Stock handlers and baggers	11.34	6.7	35.2	11.88	6.4	39.9	—	—	—
Freight, stock, and material handlers, n.e.c.	10.57	11.9	40.0	10.57	11.9	40.0	—	—	—
Garage and service station related	12.23	5.4	40.0	12.23	5.4	40.0	—	—	—
Vehicle washers and equipment cleaners	11.90	7.8	37.5	12.16	7.5	39.7	—	—	—
Laborers, except construction, n.e.c.	11.48	3.6	38.4	11.70	3.7	40.0	6.93	5.7	21.2
Service	14.41	1.3	36.8	14.90	1.4	40.1	8.89	1.7	19.2
Protective service	18.05	1.8	39.9	18.27	1.9	41.3	9.76	4.7	17.3
Supervisors, firefighters and fire prevention	21.86	4.7	49.5	21.86	4.7	49.5	—	—	—
Supervisors, police and detectives	25.05	3.3	40.1	25.05	3.3	40.1	—	—	—
Supervisors, guards	19.88	13.2	37.6	20.72	12.7	39.1	—	—	—
Fire inspection and fire prevention	19.90	6.0	38.8	19.95	6.1	42.1	—	—	—
Firefighting	16.27	2.9	44.9	16.45	2.8	48.7	7.46	12.9	9.3
Police and detectives, public service	20.27	1.4	39.6	20.33	1.4	40.0	10.54	10.2	16.4
Sheriffs, bailiffs, and other law enforcement officers	16.60	2.8	39.2	16.74	2.8	39.9	11.86	7.5	25.0
Correctional institution officers	15.13	3.9	39.8	15.14	3.9	39.9	—	—	—
Crossing guards	8.91	4.6	17.1	—	—	—	8.60	4.6	16.7
Guards and police, except public service	12.79	3.3	34.8	12.96	3.4	39.1	11.52	7.8	18.8
Protective service, n.e.c.	13.36	4.8	33.2	14.35	5.3	39.8	10.04	9.6	21.3
Food service	9.36	1.6	30.1	9.70	2.2	36.3	8.44	1.8	20.6
Waiters, waitresses, and bartenders	12.87	15.4	27.2	—	—	—	7.20	17.5	14.4
Waiters/Waitresses' assistants	11.24	8.8	24.8	—	—	—	—	—	—
Other food service	9.33	1.6	30.1	9.65	2.2	36.3	8.45	1.9	20.6
Supervisors, food preparation and service	11.70	4.3	37.1	11.75	4.5	38.0	—	—	—
Cooks	9.84	2.2	33.2	10.11	2.7	35.9	8.40	5.2	23.7
Kitchen workers, food preparation	8.36	3.8	31.6	8.35	4.8	36.9	8.40	5.1	21.5

See footnotes at end of table.

TABLE 2-3. State and local government, selected occupations: Mean hourly earnings¹ and weekly hours for full-time and part-time workers,² National Compensation Survey,³ 1999–Continued

Occupation ⁴	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
Service –Continued									
Food service –Continued									
Other food service –Continued									
Food preparation, n.e.c.	\$8.90	2.0	27.2	\$9.13	3.0	35.7	\$8.53	2.5	19.7
Health service	11.09	2.0	36.9	11.17	2.1	39.4	10.02	6.5	20.6
Dental assistants	11.13	11.1	40.0	11.13	11.1	40.0	–	–	–
Health aides, except nursing	11.86	3.3	36.9	11.91	3.4	39.4	11.07	4.0	19.4
Nursing aides, orderlies and attendants	10.80	2.4	36.9	10.89	2.5	39.4	9.68	9.1	21.0
Cleaning and building service	10.96	1.5	38.4	11.04	1.5	39.7	8.67	3.5	19.9
Supervisors, cleaning and building service workers	14.71	6.0	39.7	14.71	6.0	39.7	–	–	–
Maids and housemen	8.28	5.5	36.2	8.00	5.2	39.7	12.03	10.7	16.4
Janitors and cleaners	10.78	1.5	38.3	10.87	1.5	39.7	8.46	2.8	20.2
Personal service	9.81	2.7	28.1	10.38	3.7	37.3	8.65	2.3	18.7
Supervisors, personal service	15.19	10.8	32.5	16.65	10.5	38.9	7.99	10.4	17.9
Attendants, amusement, and recreation facilities	7.93	5.1	24.2	8.46	8.7	40.0	7.53	4.6	18.7
Guides	13.40	26.2	23.4	–	–	–	–	–	–
Ushers	6.41	1.3	4.2	–	–	–	6.41	1.3	4.2
Public transportation attendants	13.13	13.8	32.6	14.70	12.4	38.8	9.73	5.6	24.3
Welfare service aides	9.78	6.6	35.0	9.87	7.1	38.5	8.67	5.7	16.6
Early childhood teachers' assistants	9.20	2.9	31.3	9.24	3.1	36.3	9.05	6.2	21.5
Child care workers, n.e.c.	9.93	4.9	23.3	11.18	10.5	36.7	8.97	3.0	18.2
Service, n.e.c.	11.29	5.4	28.1	12.12	5.6	37.8	8.52	4.8	15.0

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 Total includes full-time and part-time workers. 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 This survey covers all 50 States. Collection was conducted between September 1998

and April 2000. The average reference period was September 1999. For the first time, estimates include workers in private establishments employing fewer than 50 workers.

⁴ A classification system including about 480 individual occupations is used to cover all workers in the civilian economy. For more information, see appendix B.

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

NOTE: Dashes indicate that no data were reported or that data did not meet publication criteria, and n.e.c. means "not elsewhere classified." Overall occupational groups may include data for categories not shown separately.

TABLE 2-4. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1999

Occupation and level	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
All	\$15.36	1.3	35.8	\$14.71	1.4	35.7	\$19.34	0.7	36.6
All, excluding sales	15.63	1.3	36.1	14.95	1.5	36.0	19.36	.7	36.6
White collar	18.78	1.4	35.9	18.12	1.7	35.8	21.84	.8	36.4
1	6.74	.9	26.5	6.69	1.1	26.4	7.84	3.7	27.4
2	8.21	1.8	29.6	8.13	1.9	29.3	9.05	1.6	32.4
3	9.34	1.1	33.3	9.23	1.1	33.1	10.45	1.4	35.1
4	11.85	1.4	37.0	11.86	1.5	37.0	11.78	1.0	36.8
5	14.29	1.5	37.6	14.37	1.7	37.9	13.78	1.3	35.6
6	15.94	1.0	37.0	15.96	1.1	37.0	15.86	2.5	36.7
7	18.74	1.3	37.8	18.20	1.6	38.0	20.59	1.6	37.2
8	21.51	1.4	37.8	20.51	1.7	38.2	24.25	1.8	36.7
9	25.79	.8	37.8	24.71	1.1	38.6	27.92	1.2	36.1
10	33.78	13.7	38.5	35.43	15.9	38.7	26.79	3.0	37.7
11	33.40	1.7	39.2	34.30	1.9	39.5	29.97	1.8	38.3
12	39.69	1.3	39.5	40.27	1.5	39.9	36.74	2.2	37.7
13	49.84	5.4	39.6	51.17	6.6	39.6	43.92	3.7	39.7
14	58.57	2.3	40.8	60.23	2.3	41.1	49.22	4.2	39.5
15	66.42	9.4	40.6	78.96	10.0	41.6	50.44	9.7	39.5
Not able to be leveled	26.47	4.2	30.8	26.78	5.3	29.7	25.60	4.5	34.4
White collar, excluding sales	20.16	1.4	36.7	19.68	1.8	36.7	21.90	.8	36.4
1	7.45	1.3	28.8	7.39	1.5	29.0	7.92	4.0	27.7
2	8.99	1.8	31.4	8.99	2.0	31.2	9.05	1.6	32.4
3	9.99	1.0	35.4	9.91	1.2	35.4	10.43	1.4	35.2
4	11.78	.7	36.8	11.78	.8	36.8	11.78	1.0	36.8
5	14.24	1.8	37.1	14.33	2.1	37.4	13.77	1.3	35.5
6	15.62	1.1	36.5	15.55	1.2	36.5	15.86	2.5	36.7
7	18.51	1.3	37.6	17.81	1.5	37.8	20.61	1.6	37.2
8	21.23	1.5	37.4	19.91	1.9	37.7	24.26	1.8	36.7
9	25.65	.8	37.6	24.44	1.1	38.5	27.92	1.2	36.1
10	33.61	15.3	38.2	35.45	18.1	38.4	26.80	3.0	37.7
11	33.12	1.7	39.1	34.02	2.1	39.3	29.98	1.8	38.3
12	39.38	1.2	39.6	39.90	1.3	40.0	36.74	2.2	37.7
13	49.83	5.5	39.6	51.16	6.6	39.6	43.92	3.7	39.7
14	58.59	2.3	40.8	60.25	2.3	41.1	49.22	4.2	39.5
15	66.42	9.4	40.6	78.96	10.0	41.6	50.44	9.7	39.5
Not able to be leveled	26.54	4.3	30.6	26.88	5.5	29.4	25.60	4.5	34.4
Professional specialty and technical	24.75	2.3	35.7	24.17	3.4	35.7	26.04	.8	35.9
Professional specialty	26.87	2.8	35.7	26.62	4.3	35.8	27.30	.8	35.7
2	7.37	7.4	11.8	7.85	9.8	14.2	6.63	5.4	9.4
3	7.83	3.2	15.0	8.20	4.5	19.2	7.46	2.9	12.4
4	9.18	5.8	25.4	9.34	7.6	28.2	8.51	4.7	17.9
5	12.87	2.7	34.0	12.78	3.3	36.2	13.17	3.8	28.5
6	16.37	2.8	31.8	14.93	2.6	31.4	20.02	4.6	33.1
7	19.91	2.9	35.4	18.16	4.1	34.7	22.63	2.0	36.5
8	22.44	2.7	35.8	19.81	3.8	35.6	25.73	2.0	36.1
9	26.61	1.1	36.4	24.30	1.9	37.1	29.01	1.2	35.6
10	37.31	24.1	38.0	40.77	28.5	38.4	26.80	2.8	36.9
11	32.47	2.4	38.1	33.40	2.9	38.5	29.49	1.8	37.2
12	38.09	1.7	38.8	38.44	1.9	39.4	36.53	2.9	36.2
13	46.50	8.7	38.5	47.51	11.5	38.1	43.42	3.9	39.7
14	53.22	2.7	40.4	54.07	3.3	40.7	50.74	4.1	39.4
15	53.28	6.4	40.2	57.90	4.5	41.3	50.17	9.7	39.5
Not able to be leveled	26.26	5.3	27.7	25.63	6.9	26.0	28.47	5.2	36.6
Engineers, architects, and surveyors	29.36	3.4	40.5	29.65	3.7	40.6	25.85	1.9	39.4
5	15.92	8.4	40.1	15.95	9.0	40.2	-	-	-
6	17.46	6.6	39.9	17.20	6.6	40.0	-	-	-
7	20.88	3.8	39.8	20.81	3.9	39.8	22.11	4.0	39.6
8	22.96	2.9	40.4	23.05	3.1	40.6	21.87	3.5	38.4
9	25.29	2.1	40.8	25.46	2.4	40.9	23.82	2.8	39.5
10	28.45	1.2	40.2	28.59	1.3	40.2	27.11	4.0	39.9
11	32.71	3.0	40.9	33.05	3.0	41.1	29.23	4.1	39.2
12	36.03	1.4	40.3	36.19	1.5	40.3	32.17	4.6	39.5

See footnotes at end of table.

TABLE 2-4. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1999—Continued

Occupation and level	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	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									
Engineers, architects, and surveyors—Continued									
13	\$60.11	25.8	41.6	\$60.51	26.1	41.6	—	—	—
14	47.86	2.1	40.2	47.95	2.2	40.2	—	—	—
15	49.37	4.1	40.9	49.95	4.3	40.2	—	—	—
Not able to be leveled	27.98	7.0	40.1	28.26	7.8	40.1	—	—	—
Architects	20.94	8.5	39.7	20.41	8.7	39.8	\$27.18	4.1	39.2
9	22.56	2.6	39.8	21.97	2.1	40.0	25.63	3.3	39.0
11	31.33	2.9	36.3	31.04	3.1	35.9	—	—	—
12	33.76	5.3	41.1	—	—	—	—	—	—
Aerospace engineers	32.75	3.9	40.1	32.75	3.9	40.1	—	—	—
7	23.32	5.7	40.0	23.32	5.7	40.0	—	—	—
9	27.54	2.6	40.2	27.54	2.6	40.2	—	—	—
10	29.21	6.5	40.0	29.21	6.5	40.0	—	—	—
11	33.27	3.3	40.0	33.27	3.3	40.0	—	—	—
12	35.54	2.6	40.2	35.54	2.6	40.2	—	—	—
14	50.55	2.4	40.0	50.55	2.4	40.0	—	—	—
Metallurgical and materials engineers	27.98	4.8	40.2	29.12	4.8	40.3	—	—	—
Petroleum engineers	33.58	8.7	40.2	33.58	8.7	40.2	—	—	—
9	28.80	5.7	40.0	28.80	5.7	40.0	—	—	—
12	43.60	1.7	41.0	43.60	1.7	41.0	—	—	—
13	47.07	3.6	40.1	47.07	3.6	40.1	—	—	—
Chemical engineers	35.42	3.4	40.0	35.44	3.4	40.0	—	—	—
9	25.85	1.7	40.0	25.80	1.8	40.0	—	—	—
11	36.11	2.8	39.9	36.11	2.8	39.9	—	—	—
12	44.28	8.0	40.0	44.28	8.0	40.0	—	—	—
13	41.24	6.7	38.6	41.24	6.7	38.6	—	—	—
Nuclear engineers	34.01	2.2	40.7	34.61	2.1	40.7	—	—	—
9	28.50	7.5	40.0	29.47	6.4	40.0	—	—	—
11	33.79	5.0	42.8	33.79	5.0	42.8	—	—	—
12	37.24	5.2	40.0	37.24	5.2	40.0	—	—	—
13	40.19	1.8	40.0	41.11	4.0	40.0	—	—	—
Civil engineers	26.57	3.4	40.4	26.83	4.8	40.9	26.09	2.9	39.4
5	18.02	4.7	39.3	—	—	—	—	—	—
6	18.58	5.2	39.8	17.97	4.5	40.1	—	—	—
7	21.52	2.7	40.0	21.45	4.5	40.3	21.59	2.8	39.6
8	22.39	4.5	40.5	22.75	6.9	41.3	22.04	5.5	39.8
9	24.80	3.9	41.0	25.51	5.1	41.8	23.59	4.3	39.6
10	29.31	3.0	40.0	29.16	5.3	40.4	29.40	3.4	39.8
11	30.14	2.8	39.9	29.56	3.5	40.8	30.78	4.3	38.9
12	34.33	3.7	40.4	35.25	3.7	40.9	31.85	7.9	39.0
13	42.30	3.0	40.4	42.20	3.4	40.5	—	—	—
14	45.72	3.7	40.0	45.72	3.7	40.0	—	—	—
Electrical and electronic engineers	32.10	3.5	41.0	32.31	3.6	41.0	26.86	3.7	40.0
5	19.49	9.1	39.5	19.49	9.1	39.5	—	—	—
6	20.67	4.0	40.0	20.67	4.0	40.0	—	—	—
7	25.18	4.7	39.9	24.93	4.7	39.8	—	—	—
8	25.67	3.0	40.7	25.71	3.1	40.7	—	—	—
9	28.09	4.0	40.3	28.11	4.1	40.3	—	—	—
10	28.54	3.8	40.5	28.62	3.8	40.5	—	—	—
11	33.94	6.8	42.0	34.61	6.3	42.1	—	—	—
12	36.74	2.1	40.6	36.77	2.1	40.6	—	—	—
13	45.84	2.6	41.6	45.84	2.6	41.6	—	—	—
14	50.32	5.8	40.4	50.32	5.8	40.4	—	—	—
Industrial engineers	24.85	4.9	40.6	24.91	5.0	40.6	20.50	8.1	39.7
7	18.69	5.3	40.3	18.69	5.3	40.3	—	—	—
8	22.67	5.1	41.0	22.67	5.1	41.0	—	—	—
9	24.74	2.3	40.6	24.93	2.3	40.6	20.56	9.0	39.7
10	27.10	2.4	41.1	27.22	2.4	41.1	—	—	—
11	30.92	4.6	40.6	30.94	4.6	40.6	—	—	—

See footnotes at end of table.

TABLE 2-4. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1999—Continued

Occupation and level	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	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									
Engineers, architects, and surveyors—Continued									
Industrial engineers—Continued									
12	\$32.02	3.1	41.0	\$32.02	3.1	41.0	—	—	—
13	36.47	4.5	40.0	36.47	4.5	40.0	—	—	—
Mechanical engineers	24.89	3.5	41.1	24.84	3.6	41.2	\$26.89	8.2	37.2
5	18.20	2.0	40.1	18.20	2.0	40.1	—	—	—
6	17.79	6.1	40.0	17.79	6.1	40.0	—	—	—
7	19.72	3.5	39.4	19.72	3.5	39.4	—	—	—
8	22.41	3.6	39.9	22.42	4.0	40.6	—	—	—
9	22.74	2.6	42.2	22.67	2.6	42.3	—	—	—
10	26.11	2.7	40.2	25.93	2.7	40.3	—	—	—
11	31.78	5.7	40.3	31.81	5.8	40.3	—	—	—
12	33.59	3.2	40.4	33.50	3.3	40.4	—	—	—
13	37.61	3.2	40.0	37.61	3.2	40.0	—	—	—
Not able to be leveled	28.01	15.6	40.0	28.01	15.6	40.0	—	—	—
Engineers, n.e.c.	34.34	8.5	40.4	34.97	8.8	40.5	25.03	4.8	39.6
5	18.76	5.9	40.1	19.95	4.1	40.2	—	—	—
6	20.79	5.3	40.0	20.79	5.3	40.0	—	—	—
7	23.38	5.5	40.6	23.52	5.7	40.7	—	—	—
8	25.23	3.3	40.2	25.44	3.4	40.2	—	—	—
9	26.60	3.6	40.3	27.11	4.0	40.4	23.58	4.2	39.7
10	29.42	1.6	40.1	29.50	1.6	40.1	—	—	—
11	32.73	1.6	40.5	32.93	1.7	40.7	30.23	3.1	38.4
12	36.48	2.3	39.9	36.54	2.3	39.9	—	—	—
13	82.81	36.6	42.6	82.88	36.6	42.7	—	—	—
14	47.08	2.8	40.0	47.08	2.8	40.0	—	—	—
15	47.49	4.7	40.9	—	—	—	—	—	—
Not able to be leveled	31.08	4.6	40.6	31.08	4.6	40.6	—	—	—
Surveyors and mapping scientists	28.52	8.4	39.8	29.42	7.9	40.0	20.43	7.4	38.4
9	29.57	9.4	39.9	—	—	—	—	—	—
Mathematical and computer scientists	28.34	2.3	40.0	28.76	2.5	40.0	22.73	3.6	39.4
5	18.14	5.7	40.1	18.26	5.9	40.1	—	—	—
6	18.05	7.8	39.6	18.89	9.6	39.5	15.01	3.5	39.8
7	21.17	4.1	39.9	21.32	4.5	39.9	19.29	2.8	39.8
8	21.63	2.6	39.8	21.74	2.9	40.0	20.50	2.0	37.7
9	26.43	3.0	39.9	26.75	3.3	39.9	22.48	3.2	39.5
10	29.26	1.3	40.0	29.66	1.2	40.1	25.37	8.4	39.4
11	31.86	1.4	40.3	32.10	1.4	40.3	27.20	4.2	40.7
12	38.82	7.2	39.9	38.87	7.4	39.9	—	—	—
13	44.30	4.4	40.7	44.29	4.5	40.7	—	—	—
14	51.82	6.3	40.5	51.82	6.3	40.5	—	—	—
Not able to be leveled	27.94	11.3	39.2	27.99	11.4	39.2	—	—	—
Computer systems analysts and scientists	28.49	2.4	40.0	29.02	2.6	40.1	22.80	3.6	39.4
5	19.26	5.8	40.2	19.49	5.9	40.2	—	—	—
6	17.70	9.3	39.8	18.69	12.5	39.7	15.01	3.5	39.8
7	21.26	4.5	39.9	21.42	5.0	39.9	19.41	2.9	39.9
8	22.00	3.2	39.6	22.28	3.9	40.0	20.56	2.0	37.7
9	25.80	2.5	40.0	26.09	2.7	40.1	22.64	3.3	39.5
10	29.08	1.9	40.1	29.72	1.6	40.2	25.28	8.6	39.4
11	31.94	1.5	40.4	32.23	1.5	40.3	27.20	4.2	40.7
12	39.34	8.0	39.9	39.41	8.1	39.9	—	—	—
13	42.99	4.0	40.8	42.97	4.0	40.7	—	—	—
14	48.62	3.9	39.8	48.62	3.9	39.8	—	—	—
Not able to be leveled	31.37	9.4	38.7	31.54	9.5	38.7	—	—	—
Operations and systems researchers and analysts	27.70	6.2	39.8	27.73	6.3	39.8	—	—	—
6	20.01	4.9	38.8	20.01	4.9	38.8	—	—	—
7	20.69	6.9	39.8	20.69	6.9	39.8	—	—	—
9	31.72	14.5	38.5	32.01	14.6	38.5	—	—	—

See footnotes at end of table.

TABLE 2-4. Selected occupations¹ and levels;² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1999—Continued

Occupation and level	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar—Continued									
Professional specialty and technical—Continued									
Professional specialty—Continued									
Mathematical and computer scientists—Continued									
Operations and systems researchers and analysts—Continued									
11	\$31.47	4.5	39.9	\$31.47	4.5	39.9	—	—	—
12	35.10	5.3	41.0	35.10	5.3	41.0	—	—	—
Not able to be leveled	21.22	13.9	40.0	21.22	13.9	40.0	—	—	—
Actuaries	30.75	8.8	38.6	30.75	8.8	38.6	—	—	—
9	28.49	5.5	39.5	28.49	5.5	39.5	—	—	—
Statisticians	23.93	7.9	38.3	24.61	8.3	38.2	—	—	—
Mathematical scientists, n.e.c.	33.44	18.1	40.0	37.27	15.5	40.0	—	—	—
Natural scientists	26.23	2.3	39.7	28.57	2.4	39.7	\$20.89	3.7	39.9
5	15.20	8.5	39.8	16.79	6.6	40.0	12.97	11.6	39.6
6	16.40	2.4	38.8	16.52	2.6	38.7	—	—	—
7	20.39	3.1	39.7	20.97	3.1	39.9	17.92	5.7	38.9
8	19.19	5.1	39.8	21.50	3.7	40.1	16.20	8.2	39.5
9	22.76	2.7	39.5	22.86	4.1	39.8	22.62	2.6	39.2
10	24.36	5.3	40.0	26.00	6.0	39.3	22.63	8.8	40.8
11	29.56	3.6	40.3	31.73	2.5	39.9	23.89	8.1	41.4
12	33.16	4.2	39.7	34.50	4.0	39.8	26.24	11.0	39.1
13	35.32	10.4	39.0	42.26	3.9	39.0	—	—	—
14	46.23	4.9	40.0	47.43	4.4	39.3	—	—	—
15	50.14	5.9	39.7	50.14	5.9	39.7	—	—	—
Not able to be leveled	26.59	13.8	39.0	29.85	14.3	38.5	—	—	—
Physicists and astronomers	37.84	7.6	40.0	38.48	7.8	40.0	—	—	—
12	37.09	7.3	40.1	37.09	7.3	40.1	—	—	—
Chemists, except biochemists	29.16	3.9	40.2	29.76	4.1	40.1	24.58	4.4	40.4
5	16.60	9.1	41.9	16.60	9.1	41.9	—	—	—
6	16.49	3.0	40.0	16.49	3.0	40.0	—	—	—
7	21.14	5.3	40.0	21.26	5.5	40.0	—	—	—
8	23.01	4.3	40.0	23.16	4.4	40.0	—	—	—
9	23.46	4.2	40.0	22.80	6.4	40.0	24.40	5.2	40.0
10	27.69	4.4	40.0	27.86	4.9	40.0	—	—	—
11	33.53	4.0	40.0	33.54	4.0	40.0	—	—	—
12	35.92	5.9	41.4	35.92	5.9	41.4	—	—	—
13	42.53	5.0	41.2	—	—	—	—	—	—
Atmospheric and space scientists	23.21	14.5	41.3	22.92	15.6	40.7	—	—	—
Geologists and geodesists	28.27	8.4	41.4	30.42	9.1	40.5	20.65	12.3	44.7
5	19.27	11.0	40.0	—	—	—	—	—	—
7	24.27	6.8	40.0	24.96	7.3	40.0	—	—	—
9	25.61	8.6	41.0	25.45	11.5	41.4	—	—	—
11	29.24	17.0	44.9	36.75	5.0	40.9	—	—	—
12	39.29	7.0	40.8	39.29	7.0	40.8	—	—	—
13	47.06	8.7	40.1	51.14	4.4	40.2	—	—	—
Physical scientists, n.e.c.	26.44	4.3	39.8	30.08	4.2	39.9	21.29	4.7	39.7
7	20.17	5.5	39.0	21.72	3.8	38.6	—	—	—
8	18.33	11.4	40.0	—	—	—	—	—	—
9	21.52	3.6	39.9	—	—	—	21.09	3.6	39.9
10	23.01	8.3	39.8	—	—	—	—	—	—
11	31.08	3.9	39.7	31.88	3.8	40.0	—	—	—
12	33.84	4.7	40.0	33.52	5.1	40.0	—	—	—
13	38.96	5.8	40.0	38.96	5.8	40.0	—	—	—
Agricultural and food scientists	22.91	8.6	39.8	24.32	9.9	39.6	22.05	12.5	40.0
Biological and life scientists	23.03	4.4	39.4	24.76	5.0	39.8	19.74	6.6	38.8
7	18.91	5.2	39.8	18.84	5.8	40.4	—	—	—
8	18.21	9.3	39.2	20.30	8.3	39.4	—	—	—
9	22.80	4.7	39.2	22.70	6.8	39.4	22.99	4.9	38.7
11	22.61	15.0	39.6	28.27	3.6	39.7	—	—	—
12	29.94	12.9	39.2	35.97	8.4	40.0	—	—	—
13	30.34	20.4	40.0	38.62	4.3	40.0	—	—	—

See footnotes at end of table.

TABLE 2-4. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1999–Continued

Occupation and level	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	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									
Natural scientists –Continued									
Biological and life scientists –Continued									
14	\$42.87	9.2	39.6	–	–	–	–	–	–
Forestry and conservation scientists	21.26	5.9	40.1	–	–	–	\$21.29	9.8	39.7
Medical scientists	25.04	7.0	38.5	\$27.77	6.1	38.1	19.35	12.6	39.3
5	12.24	9.7	39.7	14.06	13.5	39.3	–	–	–
7	21.91	8.6	39.3	–	–	–	–	–	–
9	22.33	9.7	37.9	22.03	11.3	39.0	23.81	16.9	33.4
10	16.55	9.7	40.1	18.21	9.9	37.2	–	–	–
11	24.94	3.1	39.4	24.15	6.9	38.7	–	–	–
12	29.91	6.9	38.4	30.34	7.2	38.1	–	–	–
13	25.92	24.4	36.3	36.88	14.3	34.9	–	–	–
Health related	27.12	10.7	34.1	27.84	12.6	33.5	23.87	2.8	37.0
4	13.68	14.3	26.8	13.68	14.3	26.8	–	–	–
5	14.12	7.6	33.9	14.08	8.6	33.8	14.43	6.2	35.2
6	16.71	7.0	36.2	16.58	8.4	35.8	17.27	5.9	38.0
7	19.50	1.6	32.2	19.65	1.8	31.4	18.67	2.6	37.1
8	20.41	1.2	33.8	20.26	1.3	33.4	21.22	2.5	35.9
9	22.68	1.7	34.3	22.47	2.1	33.8	23.40	2.0	36.0
10	71.25	35.6	38.7	78.89	32.3	38.5	23.23	6.3	40.3
11	33.62	12.6	32.4	35.35	14.0	31.1	25.88	5.8	40.1
12	39.88	5.9	38.3	39.24	5.6	38.4	45.00	10.5	38.2
13	62.02	5.3	33.4	64.93	6.2	31.7	53.19	5.2	39.4
14	69.72	4.1	36.8	72.35	3.7	37.8	58.30	5.5	33.0
Not able to be leveled	33.00	11.6	38.1	36.96	12.1	36.4	21.78	9.7	43.7
Physicians	63.07	23.0	36.7	69.12	23.8	35.5	34.75	9.2	43.4
7	15.69	6.7	42.9	16.68	7.8	40.0	–	–	–
8	16.90	2.7	50.2	16.90	2.7	50.2	–	–	–
9	17.11	5.7	46.1	18.31	9.5	42.8	15.93	5.6	49.8
10	–	–	–	–	–	–	13.50	6.1	57.8
11	–	–	–	–	–	–	18.53	25.8	48.8
12	–	–	–	–	–	–	56.15	2.5	37.7
13	62.66	5.4	33.1	65.74	6.4	31.5	53.49	5.4	39.4
14	69.72	4.1	36.8	72.35	3.7	37.8	58.30	5.5	33.0
Not able to be leveled	31.80	12.0	40.3	38.23	13.7	37.6	21.15	10.6	45.8
Dentists	40.34	11.0	30.9	41.83	9.7	31.0	–	–	–
Optometrists	38.37	4.3	37.3	38.37	4.3	37.3	–	–	–
Registered nurses	21.14	1.2	33.4	20.98	1.4	32.9	21.89	1.7	36.2
5	16.37	8.3	34.9	16.40	9.7	34.6	16.18	2.1	37.4
6	16.89	9.2	36.5	16.65	10.2	36.2	18.49	2.1	38.6
7	19.43	1.8	31.2	19.58	2.0	30.4	18.54	3.0	36.8
8	20.28	1.3	33.4	20.22	1.4	33.0	20.65	2.6	35.9
9	22.26	2.0	33.7	22.00	2.4	33.3	23.28	2.4	35.4
10	27.64	2.7	36.5	27.91	3.2	36.2	26.45	2.3	38.2
11	27.53	2.6	37.2	27.66	3.2	36.6	27.15	4.4	39.3
12	32.50	5.7	37.6	31.44	7.1	36.2	34.07	8.5	39.8
Not able to be leveled	38.79	24.7	37.1	38.79	24.7	37.1	–	–	–
Pharmacists	27.17	7.3	33.2	27.05	8.3	32.5	27.96	5.5	38.9
7	26.87	5.2	34.3	27.00	5.2	33.6	–	–	–
8	28.51	2.3	35.6	28.36	2.4	36.4	–	–	–
9	30.19	5.0	36.9	31.25	4.5	36.4	24.75	5.1	39.8
10	29.57	4.3	34.7	29.60	3.2	33.7	29.44	18.0	39.7
11	30.67	2.0	28.2	30.98	2.3	26.8	28.95	3.0	39.8
12	36.39	3.9	40.0	36.22	4.5	40.0	–	–	–
Dietitians	17.68	3.7	36.7	18.19	3.9	37.1	16.29	3.9	35.7
5	13.38	5.9	38.0	14.09	5.3	37.3	–	–	–
6	13.50	6.6	37.0	13.08	8.5	36.2	–	–	–
7	18.74	4.1	38.4	–	–	–	16.19	1.8	39.4
8	19.21	2.4	35.8	19.50	2.6	35.1	–	–	–

See footnotes at end of table.

TABLE 2-4. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1999–Continued

Occupation and level	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	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									
Health related –Continued									
Dietitians –Continued									
9	\$17.44	4.8	38.2	\$17.85	5.3	37.4	\$16.81	8.6	39.6
11	19.59	8.9	40.0	–	–	–	–	–	–
Respiratory therapists	18.07	1.8	34.8	18.09	2.0	34.6	17.92	3.9	36.0
5	15.59	3.8	35.2	15.54	3.8	35.1	–	–	–
6	17.49	2.2	31.6	17.45	2.4	30.9	–	–	–
7	18.22	3.2	33.6	18.70	3.3	33.9	15.88	6.7	32.6
8	18.20	3.2	37.8	17.96	3.7	37.6	–	–	–
9	20.02	3.8	34.7	20.39	4.5	34.1	–	–	–
Occupational therapists	22.38	7.1	34.0	21.67	9.1	34.4	24.73	5.1	32.9
7	20.91	4.6	34.8	21.61	4.8	34.0	–	–	–
8	22.34	5.1	35.1	21.33	4.4	34.7	–	–	–
9	22.84	6.1	31.9	21.45	6.9	33.0	26.53	6.5	29.4
11	27.29	4.3	35.1	–	–	–	–	–	–
Physical therapists	23.84	4.4	36.0	23.44	4.9	36.0	25.78	4.6	36.0
6	22.03	7.7	36.9	–	–	–	–	–	–
8	24.01	5.2	34.0	22.71	3.5	34.2	–	–	–
9	24.82	2.0	36.6	24.92	2.3	36.4	24.45	3.8	37.3
10	31.56	5.6	34.3	29.56	4.5	33.2	–	–	–
11	29.25	7.5	29.3	29.51	9.2	28.4	–	–	–
Speech therapists	24.72	5.6	33.7	23.14	3.9	31.9	25.95	9.4	35.2
7	26.94	10.4	35.7	22.84	15.4	35.0	30.36	9.7	36.3
8	24.70	5.6	35.4	21.51	2.7	34.0	25.96	7.4	35.9
9	25.90	5.4	34.0	21.07	3.9	34.2	29.82	5.9	33.9
10	26.95	6.9	36.6	25.01	2.9	36.9	–	–	–
11	26.43	6.6	33.1	26.36	8.9	30.6	–	–	–
Therapists, n.e.c.	18.43	6.0	35.8	18.03	8.5	35.0	19.30	6.2	37.8
5	12.53	5.6	34.0	–	–	–	–	–	–
6	15.10	6.8	38.6	12.25	3.1	39.2	17.00	10.1	38.2
7	15.99	4.5	37.6	15.11	5.4	37.2	18.24	8.6	38.7
8	17.66	6.4	35.2	15.88	4.0	35.0	25.20	2.8	35.8
9	19.50	5.4	37.6	18.06	6.7	36.7	23.00	7.4	39.9
10	20.16	12.8	39.6	19.45	18.3	40.0	–	–	–
11	22.49	15.3	36.6	–	–	–	–	–	–
Physicians' assistants	32.55	6.8	39.3	–	–	–	–	–	–
5	11.29	6.0	28.7	–	–	–	–	–	–
9	29.52	3.8	39.9	29.63	4.0	40.0	–	–	–
10	29.13	2.8	39.3	29.21	3.4	39.2	–	–	–
Teachers, college and university	35.61	2.0	32.4	36.96	3.7	28.6	35.11	2.1	34.1
5	13.46	3.3	28.8	12.58	3.2	20.4	13.59	3.7	30.7
6	18.04	7.7	16.2	17.40	10.2	27.5	18.64	10.6	11.7
7	23.39	5.3	18.3	22.66	8.7	12.2	23.81	6.5	25.5
8	24.89	6.1	22.2	–	–	–	25.55	7.0	29.1
9	26.32	3.7	30.0	22.69	7.3	32.8	27.47	4.4	29.2
10	29.36	4.2	29.8	27.74	5.4	27.2	30.20	5.8	31.4
11	33.41	3.1	35.6	36.94	5.7	36.0	31.84	2.8	35.4
12	39.35	3.5	35.9	45.55	6.8	36.6	37.53	3.6	35.7
13	43.13	3.1	39.1	46.90	3.2	36.2	42.12	3.7	40.0
14	52.48	4.2	41.0	52.53	3.8	45.4	52.46	5.6	39.5
15	58.79	4.4	40.2	67.16	6.3	43.7	56.22	5.2	39.2
Not able to be leveled	40.82	11.3	36.1	47.13	14.2	32.4	37.44	14.9	38.4
Earth, environmental, and marine science									
teachers	34.21	10.3	37.0	–	–	–	35.08	14.5	35.8
11	31.13	3.8	36.1	–	–	–	–	–	–
Biological science teachers	37.78	7.5	36.8	39.43	12.5	35.6	37.23	8.8	37.3
9	33.35	3.7	36.8	–	–	–	–	–	–
10	30.43	9.9	30.0	–	–	–	–	–	–
11	45.31	16.1	31.3	51.95	20.1	38.3	40.54	21.1	27.7

See footnotes at end of table.

TABLE 2-4. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1999—Continued

Occupation and level	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar —Continued									
Professional specialty and technical —Continued									
Professional specialty—Continued									
Teachers, college and university—Continued									
Biological science teachers—Continued									
12	\$40.03	8.7	33.4	\$41.90	17.1	28.6	\$39.05	8.3	36.7
13	34.72	2.8	46.3	—	—	—	—	—	—
Chemistry teachers	37.45	12.4	40.3	51.21	21.7	36.7	32.46	6.0	41.8
11	44.73	25.6	37.2	—	—	—	33.32	8.8	36.7
12	46.31	14.0	33.8	—	—	—	—	—	—
13	31.56	6.4	47.1	—	—	—	—	—	—
Physics teachers	49.29	12.0	37.0	54.91	9.0	36.9	38.82	21.6	37.3
Natural science teachers, n.e.c.	41.45	5.3	37.9	32.89	9.9	32.4	43.76	7.2	39.7
11	33.62	2.7	38.8	—	—	—	—	—	—
Psychology teachers	33.91	8.7	34.9	41.95	10.5	30.5	29.83	10.3	37.7
9	23.56	6.7	23.1	—	—	—	—	—	—
10	24.19	17.2	30.8	28.56	9.3	23.4	—	—	—
11	30.25	5.5	34.2	34.61	6.2	25.0	—	—	—
12	35.79	20.8	36.9	—	—	—	—	—	—
13	42.75	10.0	39.3	44.54	13.4	38.8	—	—	—
Economics teachers	40.51	7.1	48.0	28.81	12.8	37.2	—	—	—
History teachers	35.25	6.1	37.9	31.23	10.6	39.8	37.14	7.3	37.1
11	33.30	5.6	39.3	—	—	—	—	—	—
12	32.56	9.3	41.8	—	—	—	—	—	—
Political science teachers	38.49	14.0	37.0	48.52	23.6	34.6	31.96	10.5	38.7
11	28.67	6.2	40.9	—	—	—	—	—	—
Sociology teachers	40.51	7.8	37.4	36.32	16.2	25.1	40.90	7.9	39.3
12	34.66	5.4	38.9	—	—	—	—	—	—
Social science teachers, n.e.c.	36.69	3.4	38.2	35.15	10.7	34.7	37.00	3.4	39.0
9	36.14	5.2	33.8	—	—	—	36.30	5.2	35.4
11	33.01	8.7	41.9	—	—	—	—	—	—
12	35.82	7.4	37.9	—	—	—	—	—	—
13	39.06	4.9	39.4	41.30	13.7	35.4	—	—	—
Engineering teachers	43.57	10.0	38.7	36.32	11.9	33.1	46.47	11.9	41.6
9	22.43	8.9	35.9	—	—	—	—	—	—
11	38.41	8.1	32.5	41.99	4.7	35.1	—	—	—
13	41.17	5.7	45.1	—	—	—	—	—	—
Mathematical science teachers	35.92	8.3	34.9	36.09	8.7	34.8	35.88	10.3	34.9
8	15.70	24.8	31.0	—	—	—	15.26	26.5	30.5
9	26.47	6.0	35.0	—	—	—	26.82	6.3	35.8
10	32.15	11.1	27.0	26.69	4.5	27.3	34.36	14.3	26.8
11	37.65	8.7	36.7	—	—	—	46.42	4.9	34.4
12	43.53	8.7	29.9	—	—	—	—	—	—
13	41.75	6.6	39.1	44.81	5.0	38.6	41.16	8.2	39.2
Computer science teachers	30.93	12.6	29.6	23.37	12.2	24.8	33.59	12.8	31.7
7	22.67	12.3	13.9	—	—	—	—	—	—
8	21.25	17.6	21.0	16.11	5.5	21.1	—	—	—
9	23.20	8.8	29.8	—	—	—	27.41	4.2	21.3
10	29.20	10.6	27.1	21.68	13.8	35.7	—	—	—
11	27.04	10.7	34.3	—	—	—	25.68	6.9	34.0
Medical science teachers	49.02	6.7	36.8	52.33	8.3	40.0	46.38	9.6	34.6
9	22.87	7.0	22.6	—	—	—	—	—	—
10	40.10	14.5	31.3	—	—	—	—	—	—
11	44.68	16.3	34.4	48.20	17.0	34.8	—	—	—
12	37.79	12.3	42.2	—	—	—	37.67	13.7	41.8
13	44.74	7.3	40.4	44.53	5.6	47.2	44.83	10.1	38.2
14	53.17	4.0	44.0	—	—	—	—	—	—
Not able to be leveled	62.54	26.1	40.6	—	—	—	—	—	—
Health specialties teachers	33.85	8.0	36.1	33.52	6.8	40.1	33.96	10.4	35.0
7	26.09	26.2	23.6	—	—	—	—	—	—
8	26.80	5.5	33.4	—	—	—	30.04	4.3	28.8
9	23.81	3.7	36.4	—	—	—	23.42	2.9	36.4

See footnotes at end of table.

TABLE 2-4. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1999—Continued

Occupation and level	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar—Continued									
Professional specialty and technical—Continued									
Professional specialty—Continued									
Teachers, college and university—Continued									
Health specialties teachers—Continued									
10	\$30.93	6.4	32.3	—	—	—	\$31.73	6.9	31.5
11	32.87	9.3	36.2	\$32.06	9.2	35.5	32.99	10.6	36.4
12	53.77	26.1	37.0	—	—	—	—	—	—
13	47.79	3.7	38.7	—	—	—	—	—	—
Not able to be leveled	30.34	2.3	38.2	—	—	—	—	—	—
Business, commerce, and marketing teachers ..	37.46	7.4	35.2	41.27	8.9	31.8	35.63	8.7	37.1
7	15.97	5.1	20.3	15.97	5.1	20.3	—	—	—
9	29.29	6.5	28.8	32.26	9.0	24.0	28.33	7.5	30.8
10	34.75	11.9	29.1	24.94	8.4	23.7	40.17	7.6	33.3
11	32.59	7.8	38.5	43.80	12.5	34.6	30.82	5.2	39.2
12	43.66	11.4	35.8	42.02	13.9	37.9	48.47	11.3	30.9
13	48.10	11.7	41.1	61.05	12.9	39.8	—	—	—
Agriculture and forestry teachers	43.40	24.3	35.3	—	—	—	43.40	24.3	35.3
Art, drama, and music teachers	29.65	6.2	32.2	27.79	7.9	28.4	30.91	8.9	35.5
7	20.19	14.8	28.4	—	—	—	—	—	—
8	27.57	13.5	29.5	27.19	25.4	31.3	—	—	—
9	25.67	7.8	33.2	31.91	11.8	23.6	24.66	5.7	35.5
10	25.80	9.9	25.5	23.22	6.7	23.8	31.82	12.4	30.7
11	31.85	13.9	34.0	26.55	12.8	31.7	—	—	—
12	31.83	6.5	39.1	32.96	11.3	40.2	31.15	7.5	38.5
13	39.20	7.4	39.6	—	—	—	—	—	—
Physical education teachers	34.03	9.0	28.3	27.93	5.4	36.5	39.72	11.1	23.4
11	29.96	6.2	36.9	—	—	—	—	—	—
Education teachers	35.69	8.5	33.3	32.50	14.3	29.2	38.21	7.6	37.5
8	26.86	5.5	25.8	27.59	6.4	22.3	—	—	—
9	18.01	22.3	40.3	15.34	20.9	40.9	—	—	—
11	30.63	4.3	37.8	30.41	5.9	37.1	—	—	—
12	43.91	12.1	34.2	—	—	—	35.15	8.6	34.3
13	42.76	4.7	38.9	—	—	—	—	—	—
English teachers	37.74	9.8	34.6	37.46	17.0	33.5	37.83	11.8	34.9
7	25.09	6.3	14.3	25.09	6.3	14.3	—	—	—
8	26.00	9.6	25.9	—	—	—	29.36	7.9	20.7
9	26.47	5.5	29.0	23.73	2.1	35.3	28.84	8.4	25.2
10	27.87	7.2	32.4	24.52	12.6	33.1	31.05	7.4	31.7
11	33.53	8.0	35.8	33.36	4.4	35.9	33.58	10.1	35.7
12	35.99	20.1	39.5	63.90	13.5	40.5	28.76	2.9	39.2
13	50.58	3.1	34.8	—	—	—	—	—	—
Foreign language teachers	26.98	18.9	31.1	34.77	10.0	29.5	21.60	23.6	32.3
9	32.40	11.9	12.7	—	—	—	—	—	—
10	21.02	27.2	42.2	—	—	—	—	—	—
11	34.37	8.7	32.6	35.64	10.1	38.1	—	—	—
Law teachers	48.64	9.4	36.8	54.28	7.1	40.0	—	—	—
13	62.72	7.5	40.4	62.72	7.5	40.4	—	—	—
Social work teachers	25.91	9.9	26.6	27.09	13.4	26.3	—	—	—
Theology teachers	37.94	11.6	38.4	36.65	14.2	37.0	43.42	6.9	45.4
10	33.43	9.7	37.3	33.20	10.5	37.3	—	—	—
11	28.55	7.3	38.7	27.11	6.3	38.9	—	—	—
13	46.51	8.1	42.7	—	—	—	—	—	—
Trade and industrial teachers	29.04	3.5	17.3	—	—	—	29.28	2.9	33.0
7	—	—	—	—	—	—	28.79	3.3	34.5
8	28.74	11.0	26.1	17.85	5.7	21.9	29.83	11.2	26.6
9	28.92	5.4	35.5	—	—	—	28.91	5.5	35.8
10	31.36	1.7	28.1	—	—	—	—	—	—
11	28.43	10.8	37.8	—	—	—	—	—	—
Other post-secondary teachers	32.28	2.5	29.4	31.61	6.8	23.5	32.43	2.6	31.2
5	13.46	3.4	29.2	—	—	—	13.59	3.7	30.7
6	20.17	13.0	10.9	—	—	—	20.76	15.1	10.0

See footnotes at end of table.

TABLE 2-4. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1999–Continued

Occupation and level	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar –Continued									
Professional specialty and technical –Continued									
Professional specialty –Continued									
Teachers, college and university –Continued									
Other post-secondary teachers –Continued									
7	\$21.94	4.3	25.5	\$23.65	8.2	35.9	\$21.30	4.5	23.0
8	20.50	5.1	19.9	–	–	–	20.86	6.1	32.6
9	27.56	6.0	26.5	20.42	9.0	30.1	29.02	5.3	25.9
10	30.01	3.9	29.6	25.79	6.7	29.1	31.54	4.4	29.7
11	31.58	2.3	34.4	31.07	6.6	35.4	31.67	2.6	34.2
12	37.57	4.9	33.3	47.42	12.1	36.3	36.72	4.3	33.1
13	45.41	5.8	34.2	45.24	4.9	25.0	45.44	6.9	36.7
14	54.46	6.3	38.1	–	–	–	53.72	7.6	38.3
Not able to be leveled	33.77	13.1	33.0	–	–	–	23.87	13.0	35.2
Teachers, except college and university	26.42	1.4	34.6	15.60	3.7	33.1	28.51	.9	34.9
2	6.65	4.8	7.9	7.02	10.2	5.5	6.53	5.5	9.3
3	7.72	2.8	11.2	8.77	4.6	8.1	7.52	3.0	12.1
4	9.07	4.2	16.9	9.52	4.0	16.5	8.49	5.6	17.6
5	11.06	4.3	28.6	10.22	3.7	34.0	12.95	8.2	21.0
6	20.41	6.9	29.9	13.05	6.2	31.6	26.52	6.1	28.6
7	22.69	3.1	36.1	15.52	5.8	34.6	24.68	2.6	36.6
8	26.75	2.4	35.9	17.50	4.8	33.9	28.02	2.3	36.2
9	30.76	1.4	35.3	23.03	4.0	34.2	31.19	1.5	35.4
10	30.59	2.7	36.0	27.37	5.4	28.0	30.89	2.8	36.9
11	32.03	5.4	35.0	25.16	4.7	35.7	33.50	5.3	34.9
12	37.96	6.1	34.0	33.35	1.1	37.1	40.12	6.6	32.7
Not able to be leveled	20.90	11.1	30.7	–	–	–	21.96	12.3	34.8
Prekindergarten and kindergarten	16.33	8.1	35.2	10.31	4.0	35.3	26.56	4.5	35.0
5	9.49	4.7	36.7	9.45	4.8	36.8	–	–	–
6	12.16	9.8	30.7	10.22	9.7	29.8	20.79	10.9	35.4
7	17.03	17.4	35.7	–	–	–	24.37	14.0	37.8
8	22.91	12.7	36.3	11.25	13.6	38.1	28.71	6.5	35.5
9	27.28	4.3	33.4	18.86	15.1	36.7	27.63	4.6	33.2
Elementary school teachers	27.82	1.2	36.1	18.80	6.1	35.2	28.71	1.1	36.2
5	18.71	14.7	31.1	13.61	7.6	34.4	22.65	17.2	28.9
6	29.76	7.3	34.5	15.99	6.4	37.1	30.28	7.3	34.4
7	23.54	3.5	36.5	16.97	8.8	34.8	24.95	3.1	36.9
8	26.64	2.3	36.7	18.41	6.8	35.9	27.51	2.3	36.8
9	30.51	1.8	35.8	23.91	7.7	36.0	30.81	1.9	35.8
10	30.24	6.5	36.9	–	–	–	–	–	–
11	34.40	15.7	32.4	–	–	–	35.16	16.2	33.4
Secondary school teachers	28.70	1.3	36.7	23.48	3.0	37.0	29.01	1.4	36.7
5	21.04	7.2	27.3	20.48	4.7	30.8	21.30	9.7	26.0
6	24.90	6.9	36.8	16.38	6.4	37.7	28.53	7.2	36.4
7	25.21	2.5	37.8	22.41	3.9	36.7	25.29	2.6	37.8
8	29.05	3.3	36.7	23.05	6.0	37.2	29.51	3.4	36.7
9	30.19	1.9	36.5	26.00	2.5	37.3	30.39	2.0	36.4
10	31.34	7.2	36.5	31.53	6.7	34.9	–	–	–
11	32.70	5.9	35.4	26.48	3.8	41.7	33.14	6.1	35.1
Teachers, special education	27.24	6.1	35.5	16.25	14.2	35.3	30.13	3.2	35.6
5	10.51	5.0	38.9	–	–	–	10.69	8.4	37.0
6	20.28	9.6	35.9	–	–	–	21.94	9.6	35.2
7	22.43	9.7	35.4	16.14	13.5	33.5	26.14	5.9	36.7
8	28.08	4.4	36.0	21.49	10.1	36.3	28.39	4.6	36.0
9	32.51	3.2	34.7	19.88	5.2	32.2	33.62	2.9	35.0
10	33.71	5.3	34.7	–	–	–	34.64	5.0	34.4
11	28.93	7.9	36.8	–	–	–	–	–	–
Teachers, n.e.c.	26.19	3.5	30.2	16.16	4.6	25.3	29.23	3.2	32.2
3	8.04	4.1	13.2	8.80	4.7	8.0	–	–	–
4	9.35	6.9	12.0	9.52	7.3	10.5	9.04	11.7	16.5
5	11.61	6.8	22.0	11.58	9.8	21.9	11.65	8.9	22.0
6	16.78	5.5	21.2	15.09	5.2	25.0	19.11	6.8	17.4

See footnotes at end of table.

TABLE 2-4. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1999—Continued

Occupation and level	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar—Continued									
Professional specialty and technical—Continued									
Professional specialty—Continued									
Teachers, except college and university—Continued									
Teachers, n.e.c.—Continued									
7	\$22.09	6.1	35.9	\$15.66	8.8	33.4	\$24.72	4.6	37.0
8	24.16	7.5	30.4	16.78	10.0	26.8	27.24	6.3	32.3
9	32.87	3.6	32.3	20.95	4.7	28.6	33.89	3.1	32.7
10	30.29	2.9	34.5	27.49	4.4	27.7	30.82	3.3	36.2
11	27.24	11.0	36.9	23.50	8.5	34.7	30.28	10.4	38.9
12	38.61	3.2	28.8	—	—	—	—	—	—
Not able to be leveled	15.20	10.4	27.1	—	—	—	—	—	—
Substitute teachers	10.55	4.4	15.4	9.99	6.0	10.5	10.56	4.5	15.5
2	6.53	5.5	9.3	—	—	—	6.53	5.5	9.3
3	7.36	4.3	9.7	—	—	—	7.36	4.3	9.7
4	7.79	5.0	17.9	—	—	—	7.80	5.0	17.9
5	9.06	4.8	14.3	8.87	8.3	10.4	9.06	4.9	14.3
6	12.84	12.0	12.9	9.42	6.3	8.1	13.07	12.4	13.4
7	11.15	4.8	19.4	10.96	11.0	15.4	11.15	4.9	19.6
8	15.43	11.3	18.2	—	—	—	15.41	11.5	18.2
9	16.80	7.8	34.3	—	—	—	—	—	—
Vocational and educational counselors	23.79	4.9	36.8	15.51	3.5	36.9	27.57	4.5	36.7
5	14.50	10.1	33.8	12.73	8.0	38.2	16.02	12.6	30.8
6	14.07	7.9	36.7	13.94	8.6	36.7	17.35	8.7	36.2
7	18.35	8.5	39.0	—	—	—	21.46	10.4	38.7
8	24.53	6.9	37.1	15.50	6.6	36.0	26.54	8.1	37.3
9	29.64	7.7	36.4	20.87	10.0	37.6	30.61	7.8	36.3
10	28.97	4.4	37.3	—	—	—	29.24	4.5	39.1
11	33.31	5.5	35.4	26.34	10.5	40.0	34.26	5.5	34.9
12	33.34	5.0	38.8	—	—	—	—	—	—
Not able to be leveled	25.26	11.8	33.0	—	—	—	25.25	11.9	36.3
Librarians, archivists, and curators	21.65	4.3	37.3	20.19	7.6	37.1	22.58	3.7	37.4
5	13.45	5.4	37.2	—	—	—	14.39	12.0	36.2
6	14.22	13.6	34.4	9.64	9.8	27.4	15.21	15.2	36.4
7	18.09	8.0	36.2	17.16	6.2	36.1	18.49	10.8	36.2
8	19.73	9.5	38.9	—	—	—	21.61	10.5	38.0
9	25.25	4.7	36.5	20.49	5.5	34.8	27.30	5.4	37.3
10	23.66	6.4	37.9	24.15	9.8	37.7	23.11	7.9	38.0
11	27.81	5.4	38.0	32.12	7.5	36.8	25.25	4.5	38.7
12	27.08	9.6	37.9	27.21	14.7	37.7	—	—	—
Librarians	22.01	3.9	37.1	19.96	8.2	36.4	22.96	3.7	37.4
5	13.75	6.3	38.4	—	—	—	15.76	13.5	36.8
6	14.22	13.6	34.4	9.64	9.8	27.4	15.21	15.2	36.4
7	18.28	8.7	35.8	17.87	5.0	35.7	18.44	11.8	35.8
8	21.65	9.4	37.9	21.26	9.3	37.8	21.72	10.9	37.9
9	25.95	4.7	36.5	21.44	4.5	34.9	27.66	5.6	37.2
10	23.53	7.0	38.0	24.05	10.9	38.1	22.97	8.4	38.0
11	26.69	5.7	38.1	30.82	11.6	35.1	25.32	4.6	39.2
12	29.20	8.2	37.6	—	—	—	—	—	—
Archivists and curators	19.87	12.3	38.1	20.68	16.3	38.5	17.37	14.4	37.1
9	18.19	11.4	36.6	—	—	—	—	—	—
11	33.07	9.9	37.5	—	—	—	—	—	—
Social scientists and urban planners	25.11	3.3	36.7	24.80	4.2	36.2	25.73	6.3	37.6
5	12.80	5.6	34.2	13.25	3.9	32.5	—	—	—
6	17.16	3.4	38.2	17.11	3.8	38.5	17.57	5.5	35.6
7	17.91	3.6	39.6	17.47	3.7	40.0	18.80	6.0	38.7
8	21.55	6.2	34.9	21.14	10.5	37.1	22.10	5.0	32.3
9	26.52	9.5	36.2	22.24	7.6	35.1	29.01	11.8	36.9
10	25.03	10.1	38.2	27.08	9.0	37.0	23.41	14.8	39.1
11	30.73	3.5	35.9	32.78	4.9	32.3	29.41	4.3	38.7
12	34.01	3.2	23.2	—	—	—	30.70	6.8	39.0

See footnotes at end of table.

TABLE 2-4. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1999—Continued

Occupation and level	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar—Continued									
Professional specialty and technical—Continued									
Professional specialty—Continued									
Social scientists and urban planners—Continued									
Not able to be leveled	\$28.61	7.9	37.5	—	—	—	—	—	—
Economists	28.14	4.7	39.8	\$28.53	4.8	39.8	\$21.82	7.2	40.0
5	14.80	6.0	39.5	14.80	6.0	39.5	—	—	—
7	19.51	7.1	41.4	19.94	7.4	41.5	—	—	—
8	26.62	9.9	40.7	26.62	9.9	40.7	—	—	—
9	25.94	5.9	39.7	26.97	6.0	39.6	—	—	—
10	32.27	5.4	38.2	32.32	5.4	38.1	—	—	—
11	35.16	4.7	38.5	35.37	4.8	38.4	—	—	—
12	35.74	5.3	40.7	35.74	5.3	40.7	—	—	—
Psychologists	25.19	4.0	35.8	23.52	8.1	35.2	28.93	5.7	37.3
5	12.94	4.8	30.5	—	—	—	—	—	—
7	16.76	3.0	39.4	—	—	—	17.45	9.2	39.3
8	19.48	6.3	35.1	15.21	6.7	33.8	22.48	5.2	36.2
9	28.68	12.3	34.3	16.85	6.3	30.9	33.15	10.8	35.8
10	25.14	10.9	36.9	20.11	7.7	35.5	30.22	12.9	38.5
11	29.38	4.0	35.4	29.14	8.8	26.6	29.44	4.6	38.5
12	—	—	—	—	—	—	30.20	7.4	38.9
Sociologists	18.32	4.9	39.3	—	—	—	—	—	—
Social scientists, n.e.c.	16.10	19.2	37.5	31.27	16.2	30.3	12.30	9.9	39.8
Urban planners	22.69	4.3	36.3	—	—	—	23.24	4.3	36.1
7	16.66	7.8	39.0	—	—	—	18.81	3.4	39.3
9	21.19	5.8	39.8	—	—	—	21.19	5.8	39.8
10	27.30	3.1	38.0	—	—	—	27.30	3.1	38.0
Social, recreation, and religious workers	14.46	6.7	35.0	12.53	7.6	33.3	17.28	1.8	37.9
4	8.92	4.6	23.8	9.86	4.4	35.0	7.95	3.9	17.9
5	11.57	4.0	38.1	10.69	5.3	38.4	12.84	3.4	37.7
6	12.68	4.0	24.3	11.57	5.9	19.9	14.51	2.9	38.5
7	12.57	10.0	37.8	11.19	10.3	37.7	15.65	2.6	38.1
8	13.87	9.4	38.8	—	—	—	16.43	2.8	38.1
9	19.37	2.8	36.9	17.83	3.3	35.4	20.34	3.6	37.9
10	20.79	6.0	39.3	19.09	10.7	40.5	22.31	5.1	38.3
11	22.84	8.9	38.5	18.38	14.0	38.2	26.23	9.4	38.6
12	25.97	13.5	40.0	—	—	—	—	—	—
Not able to be leveled	20.40	5.5	35.0	—	—	—	20.23	6.0	34.8
Social workers	14.51	7.2	35.0	12.50	8.1	32.9	17.42	1.9	38.4
5	11.61	4.7	39.0	10.55	6.7	38.9	12.95	3.5	39.1
6	12.67	4.2	23.6	11.58	6.3	19.3	14.56	2.8	38.5
7	12.39	10.1	37.9	11.16	10.4	37.8	15.41	2.7	38.0
8	13.84	9.6	38.9	—	—	—	16.47	2.9	38.5
9	19.40	2.9	37.0	17.70	3.5	35.4	20.39	3.7	38.0
10	21.68	4.3	38.0	20.47	6.8	37.1	22.51	5.3	38.6
11	25.36	6.8	36.7	23.52	6.0	33.2	26.23	9.4	38.6
Not able to be leveled	21.05	5.7	38.7	—	—	—	20.86	6.2	38.9
Recreation workers	13.64	3.7	33.1	12.22	3.9	35.4	15.04	5.0	31.0
4	8.67	6.3	21.4	—	—	—	—	—	—
5	11.43	6.0	32.1	11.47	7.5	35.3	11.33	9.1	25.9
6	12.46	8.7	39.0	11.51	4.4	39.9	13.61	15.2	38.0
7	17.01	4.2	37.7	13.66	6.9	33.1	17.82	3.4	39.0
8	15.18	7.4	34.5	15.11	11.4	39.0	15.27	8.2	29.9
9	16.68	13.8	35.3	17.49	13.5	35.3	—	—	—
Clergy	12.89	13.7	42.9	12.69	14.3	43.2	—	—	—
8	15.22	8.9	36.8	15.22	8.9	36.8	—	—	—
9	17.79	6.9	35.2	17.79	6.9	35.2	—	—	—
Religious workers, n.e.c.	18.70	18.2	37.1	18.70	18.2	37.1	—	—	—
9	24.88	11.0	40.0	24.88	11.0	40.0	—	—	—
Lawyers and judges	38.51	3.3	39.4	39.91	4.7	40.4	33.72	6.0	36.4
7	—	—	—	—	—	—	18.71	11.5	37.1
8	20.24	5.1	37.5	—	—	—	20.44	5.0	35.3

See footnotes at end of table.

TABLE 2-4. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1999—Continued

Occupation and level	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar—Continued									
Professional specialty and technical—Continued									
Professional specialty—Continued									
Lawyers and judges—Continued									
9	\$36.21	27.7	42.0	\$42.29	28.7	45.5	\$22.16	5.4	35.6
10	—	—	—	—	—	—	23.06	5.7	36.2
11	36.80	13.3	41.6	39.29	15.6	44.9	28.33	7.3	33.2
12	43.46	6.2	40.3	45.57	7.4	42.1	36.09	6.4	35.1
13	—	—	—	—	—	—	51.86	7.1	38.7
14	56.04	5.4	44.3	58.78	6.5	44.8	48.97	6.1	43.0
15	42.74	9.5	40.4	—	—	—	—	—	—
Not able to be leveled	38.60	10.1	37.3	53.59	11.0	40.9	35.78	11.3	36.7
Lawyers	38.30	3.3	39.5	39.91	4.7	40.4	32.22	6.4	36.4
7	—	—	—	—	—	—	18.71	11.5	37.1
8	20.24	5.1	37.5	—	—	—	20.44	5.0	35.3
9	36.43	28.1	42.1	42.29	28.7	45.5	21.69	5.8	35.4
10	—	—	—	—	—	—	22.42	5.6	37.3
11	36.80	13.3	41.8	39.29	15.6	44.9	28.33	7.3	33.9
12	43.44	6.2	40.3	45.57	7.4	42.1	35.82	6.5	35.0
13	—	—	—	—	—	—	52.30	6.9	39.2
14	57.03	5.8	45.0	58.78	6.5	44.8	—	—	—
15	42.74	9.5	40.4	—	—	—	—	—	—
Not able to be leveled	35.02	7.7	37.0	53.59	11.0	40.9	30.55	4.9	36.2
Judges	48.21	9.7	36.0	—	—	—	48.21	9.7	36.0
Not able to be leveled	54.46	7.2	38.8	—	—	—	54.46	7.2	38.8
Writers, authors, entertainers, athletes, and professionals, n.e.c.									
4	22.86	3.9	32.2	22.82	4.3	31.9	23.31	7.1	35.8
5	8.79	9.6	38.2	8.79	9.6	38.2	—	—	—
6	13.38	4.3	36.9	13.29	4.4	37.3	15.15	7.9	29.1
7	13.97	3.2	38.4	13.89	3.4	38.3	15.07	8.0	39.0
8	19.04	3.4	39.3	19.39	3.8	39.5	16.82	3.7	37.8
9	23.13	5.2	39.4	23.40	5.4	39.4	20.42	5.4	39.3
10	24.02	3.8	39.0	24.03	4.0	39.1	23.86	4.0	37.8
11	26.17	4.8	39.6	26.91	4.6	39.2	—	—	—
12	33.70	3.8	39.0	34.01	3.8	38.9	—	—	—
13	38.66	3.3	40.0	39.20	3.2	40.8	—	—	—
14	40.51	3.2	39.6	40.66	3.2	39.5	—	—	—
Not able to be leveled	42.69	8.1	40.5	45.76	2.8	41.0	—	—	—
Not able to be leveled	23.29	8.7	24.8	23.03	9.9	24.1	25.74	10.4	34.1
Technical writers	20.71	9.1	38.5	20.70	9.1	38.5	—	—	—
5	14.72	3.4	40.0	14.72	3.4	40.0	—	—	—
7	19.29	5.5	38.8	19.20	5.5	38.8	—	—	—
8	21.04	4.6	39.9	21.04	4.6	39.9	—	—	—
9	22.74	4.3	35.5	22.74	4.3	35.5	—	—	—
11	30.09	7.1	40.2	30.09	7.1	40.2	—	—	—
Designers	21.03	6.9	38.9	21.06	7.0	39.0	17.50	8.9	38.3
4	8.04	1.8	38.6	8.04	1.8	38.6	—	—	—
5	12.64	5.0	34.8	12.65	5.0	34.9	—	—	—
6	14.01	8.3	39.9	13.83	8.5	39.9	17.78	15.7	39.7
7	19.20	5.8	39.3	19.27	5.8	39.3	—	—	—
8	22.92	14.1	40.2	22.96	14.1	40.2	—	—	—
9	22.37	5.9	39.4	22.38	5.9	39.4	—	—	—
10	25.47	7.3	40.0	25.47	7.3	40.0	—	—	—
11	36.56	5.9	39.2	36.56	5.9	39.2	—	—	—
12	40.85	5.6	42.8	40.85	5.6	42.8	—	—	—
Musicians and composers	17.27	16.9	17.4	17.32	17.2	17.5	—	—	—
Not able to be leveled	17.27	16.9	17.4	17.32	17.2	17.5	—	—	—
Actors and directors	24.86	20.2	35.4	25.07	20.3	35.8	—	—	—
Not able to be leveled	24.86	20.2	35.4	25.07	20.3	35.8	—	—	—
Painters, sculptors, craft artists, and artist printmakers									
Not able to be leveled	19.24	13.6	39.1	19.22	14.4	39.1	19.70	10.5	39.6
Not able to be leveled	19.24	13.6	39.1	19.22	14.4	39.1	19.70	10.5	39.6

See footnotes at end of table.

TABLE 2-4. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1999—Continued

Occupation and level	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar—Continued									
Professional specialty and technical—Continued									
Professional specialty—Continued									
Writers, authors, entertainers, athletes, and professionals, n.e.c.—Continued									
Photographers	\$18.26	8.2	39.5	\$18.61	9.3	39.4	—	—	—
5	14.82	15.0	40.1	14.91	16.4	40.1	—	—	—
6	16.67	6.1	38.6	16.12	7.8	38.2	—	—	—
7	24.10	24.5	41.3	27.30	22.8	41.8	—	—	—
8	18.28	3.5	39.6	18.40	3.6	39.6	—	—	—
9	25.43	5.9	39.5	25.43	5.9	39.5	—	—	—
Dancers	15.82	17.0	19.7	15.83	17.0	19.7	—	—	—
Not able to be leveled	15.82	17.0	19.7	15.83	17.0	19.7	—	—	—
Artists, performers, and related workers, n.e.c.	12.55	10.4	28.7	11.70	11.8	29.2	\$16.93	5.0	26.3
Not able to be leveled	12.55	10.4	28.7	11.70	11.8	29.2	16.93	5.0	26.3
Editors and reporters	24.30	6.2	38.5	24.50	6.3	38.5	18.47	5.5	38.3
4	19.61	25.3	32.6	—	—	—	—	—	—
5	12.18	4.2	38.6	12.18	4.3	38.7	—	—	—
6	14.25	4.7	33.5	14.22	4.9	33.5	—	—	—
7	17.23	5.7	39.3	16.97	6.0	39.3	—	—	—
8	25.44	4.4	39.2	25.69	3.9	39.2	—	—	—
9	25.00	7.7	38.9	25.01	7.7	39.0	—	—	—
10	26.87	8.8	40.3	26.87	8.8	40.3	—	—	—
11	33.76	8.9	39.2	34.09	9.0	39.2	—	—	—
12	42.07	12.6	39.4	42.07	12.6	39.4	—	—	—
Not able to be leveled	50.27	25.4	41.0	57.82	22.1	41.3	—	—	—
Public relations specialists	22.07	7.5	38.2	21.63	8.1	38.9	23.63	16.9	35.9
5	12.09	8.2	35.1	11.62	8.9	39.5	14.31	4.1	22.9
6	13.09	5.9	40.4	13.27	7.1	40.5	—	—	—
7	19.02	7.7	37.4	19.51	9.5	37.7	17.81	10.8	36.8
8	22.64	13.0	38.1	23.36	13.4	38.1	—	—	—
9	22.71	5.0	38.9	22.30	7.1	39.0	23.66	4.4	38.5
10	31.30	9.8	39.1	31.30	9.8	39.1	—	—	—
11	34.22	8.9	37.8	34.19	9.1	37.8	—	—	—
12	42.46	5.1	37.9	42.46	5.1	37.9	—	—	—
Announcers	17.55	29.3	26.2	17.55	29.3	26.2	—	—	—
Not able to be leveled	17.55	29.3	26.2	17.55	29.3	26.2	—	—	—
Athletes	—	—	—	—	—	—	29.09	13.9	32.2
Not able to be leveled	—	—	—	—	—	—	29.09	13.9	32.2
Professional, n.e.c.	26.65	4.9	39.2	27.52	5.9	39.6	23.68	7.2	38.0
5	17.73	6.0	38.5	17.36	6.1	38.5	—	—	—
7	19.15	4.9	39.5	20.44	6.0	40.5	16.21	3.7	37.4
8	21.10	4.6	39.5	20.51	5.8	39.5	22.06	7.4	39.6
9	27.69	6.3	39.1	27.85	6.6	39.5	—	—	—
10	24.77	8.1	41.1	26.96	4.9	40.0	—	—	—
11	30.52	3.5	39.3	31.06	3.6	39.3	—	—	—
12	36.24	2.3	38.5	37.00	2.1	40.0	—	—	—
13	39.78	1.7	40.0	39.78	1.7	40.0	—	—	—
14	37.88	19.3	40.0	—	—	—	—	—	—
Not able to be leveled	28.56	7.7	38.6	30.39	11.3	38.4	26.65	9.8	38.8
Technical	17.91	1.5	35.7	18.31	1.7	35.5	15.46	1.5	37.3
2	8.82	4.1	34.0	8.71	5.4	32.4	9.13	2.9	39.0
3	9.25	3.9	32.6	9.24	4.3	32.7	9.32	4.0	31.7
4	11.93	1.7	34.4	12.08	2.0	34.1	11.12	3.3	36.1
5	14.86	3.5	34.8	15.04	3.8	34.5	13.36	2.0	37.8
6	15.79	2.3	35.8	16.09	2.4	35.6	14.46	3.4	36.9
7	18.03	1.7	38.3	18.20	2.0	38.4	17.11	2.1	37.5
8	19.90	1.2	38.1	20.12	1.4	38.1	18.56	2.3	38.5
9	25.11	2.4	36.7	25.70	2.8	36.4	21.58	2.1	38.2
10	29.89	5.1	31.7	30.05	5.5	31.5	26.56	3.0	38.9
11	65.93	8.9	29.2	67.58	9.0	28.9	26.30	4.8	39.3
12	70.25	20.3	28.9	70.25	20.3	28.9	—	—	—

See footnotes at end of table.

TABLE 2-4. Selected occupations¹ and levels;² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1999—Continued

Occupation and level	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar—Continued									
Professional specialty and technical—Continued									
Technical—Continued									
Not able to be leveled	\$19.38	5.5	36.0	\$19.70	6.1	36.5	\$17.61	9.5	33.5
Clinical laboratory technologists and technicians	15.69	3.6	36.9	15.63	4.1	36.7	16.12	4.9	38.0
2	7.97	4.9	36.8	7.97	4.9	36.8	—	—	—
3	9.80	3.3	35.4	9.77	3.3	35.0	—	—	—
4	11.39	3.2	36.6	11.47	3.7	36.5	10.92	3.7	37.0
5	12.38	6.0	34.6	12.48	6.8	34.2	11.47	8.9	39.0
6	14.52	3.6	39.0	14.54	3.8	39.2	14.21	5.3	37.0
7	17.40	3.0	38.1	17.43	3.4	38.0	17.12	3.4	39.1
8	18.54	2.9	37.4	18.53	3.3	36.9	18.58	7.2	39.2
9	20.35	2.2	37.1	20.83	2.7	37.4	18.71	2.9	36.2
10	22.76	4.8	38.7	22.53	5.2	38.6	—	—	—
11	23.41	5.4	35.6	22.77	6.3	34.8	—	—	—
Dental hygienists	25.72	6.0	22.3	26.06	6.0	22.0	—	—	—
Health record technologists and technicians	11.67	7.2	35.9	11.33	7.6	36.0	13.83	8.0	35.6
3	8.75	10.9	37.3	8.76	11.0	37.3	—	—	—
4	10.54	5.2	36.4	10.52	5.8	36.4	—	—	—
5	12.50	6.3	31.4	12.29	6.3	31.3	—	—	—
6	15.77	1.8	36.8	15.89	1.3	38.8	—	—	—
7	16.40	4.9	39.7	—	—	—	—	—	—
Radiological technicians	19.02	5.4	35.6	19.20	5.6	36.0	17.07	9.0	31.8
4	13.57	7.0	33.8	14.29	7.9	34.2	—	—	—
6	16.13	2.4	34.5	16.27	2.7	34.8	14.95	3.9	32.4
7	19.72	2.4	31.5	19.62	2.2	32.5	20.56	11.4	24.6
8	20.02	3.6	37.2	19.59	2.3	38.3	22.12	15.1	32.6
9	19.31	6.9	39.1	19.90	7.7	39.0	—	—	—
Licensed practical nurses	13.40	1.2	34.4	13.47	1.4	33.9	13.12	2.5	37.2
3	10.06	3.0	30.2	9.92	2.2	29.4	—	—	—
4	12.46	3.0	35.4	12.79	2.8	34.6	10.98	5.1	39.4
5	13.62	2.2	33.6	13.71	2.5	33.1	13.12	2.9	36.4
6	13.08	2.1	34.3	13.21	2.3	33.6	12.59	3.5	37.4
7	14.97	1.9	36.0	14.57	1.9	36.2	16.14	2.9	35.4
8	15.35	4.5	36.4	15.26	5.3	35.7	15.67	9.2	39.1
Health technologists and technicians, n.e.c.	13.31	2.2	31.8	13.11	2.8	30.4	13.86	2.8	36.6
2	8.83	3.8	33.5	8.90	6.8	28.1	8.78	3.8	40.0
3	9.07	5.3	30.4	9.01	6.1	29.4	9.35	5.9	36.8
4	10.97	2.4	29.2	11.18	2.8	28.4	10.27	4.5	32.2
5	12.80	3.2	31.2	12.60	3.5	29.9	13.79	3.9	39.3
6	13.92	3.0	31.8	13.47	3.5	29.6	14.65	4.4	36.3
7	16.42	2.3	37.7	16.67	3.5	36.6	16.00	2.5	39.7
8	17.52	2.2	34.2	17.87	2.4	33.3	16.52	4.5	37.0
9	21.62	4.3	36.8	20.47	6.5	35.9	23.49	1.7	38.4
Not able to be leveled	15.51	9.6	36.0	15.79	12.2	34.8	—	—	—
Electrical and electronic technicians	18.07	3.5	38.8	18.15	3.7	38.9	16.56	12.9	38.1
2	10.05	4.2	39.3	—	—	—	—	—	—
4	12.69	6.2	37.6	12.69	6.3	37.8	—	—	—
5	15.04	2.8	38.8	15.04	2.8	39.0	—	—	—
6	17.08	5.6	39.6	17.89	3.9	39.6	13.06	14.1	39.6
7	18.87	5.2	39.7	18.83	5.4	39.7	19.96	4.0	40.0
8	20.90	3.1	38.9	20.89	3.3	39.0	21.08	8.7	37.9
9	24.43	2.3	39.8	24.42	2.4	39.8	—	—	—
10	25.59	4.3	40.0	25.43	4.3	39.9	—	—	—
Industrial engineering technicians	19.37	5.0	40.4	19.51	5.0	40.4	—	—	—
7	18.87	7.5	40.8	19.63	7.2	40.9	—	—	—
Mechanical engineering technicians	20.88	4.3	40.0	21.21	4.1	40.0	—	—	—
5	13.69	6.9	40.0	14.67	8.9	40.0	—	—	—
6	16.93	12.9	40.7	16.93	12.9	40.7	—	—	—
7	21.90	10.4	40.0	21.88	10.7	40.0	—	—	—
8	22.84	2.4	39.6	22.84	2.4	39.6	—	—	—

See footnotes at end of table.

TABLE 2-4. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1999—Continued

Occupation and level	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar—Continued									
Professional specialty and technical—Continued									
Technical—Continued									
Mechanical engineering technicians—Continued									
9	\$21.91	6.1	40.7	\$21.91	6.1	40.7	—	—	—
Engineering technicians, n.e.c.	19.01	2.7	39.4	19.38	3.1	39.7	\$17.91	4.1	38.6
3	10.36	6.2	40.0	10.36	6.2	40.0	—	—	—
4	12.75	4.7	38.0	12.70	5.3	39.4	—	—	—
5	13.29	8.2	39.4	13.30	11.1	39.9	13.27	4.7	38.1
6	18.77	6.8	39.0	18.75	8.6	39.1	18.83	6.5	38.8
7	18.19	3.3	39.9	18.91	3.8	40.0	16.72	5.3	39.7
8	21.39	2.8	40.1	22.30	2.4	40.1	18.70	4.8	39.9
9	22.51	4.1	38.7	22.30	4.5	39.5	—	—	—
10	27.08	4.7	39.6	27.21	6.0	40.0	—	—	—
11	34.17	10.3	40.0	34.17	10.3	40.0	—	—	—
Drafters	17.95	2.8	39.7	17.91	2.9	39.7	18.97	5.2	39.8
3	9.98	9.2	38.8	9.98	9.2	38.8	—	—	—
4	13.20	4.5	37.7	13.24	4.5	37.7	—	—	—
5	14.62	3.6	39.5	14.66	3.7	39.5	—	—	—
6	19.68	3.4	40.0	19.70	3.6	40.0	—	—	—
7	17.80	4.7	40.0	17.56	5.0	40.0	20.40	5.1	39.7
8	18.49	4.2	40.0	18.49	4.3	40.0	—	—	—
9	24.02	4.2	39.6	24.10	4.3	39.6	—	—	—
10	31.34	7.2	40.0	31.34	7.2	40.0	—	—	—
11	31.72	5.5	40.0	31.72	5.5	40.0	—	—	—
Surveying and mapping technicians	15.27	8.8	39.9	15.03	10.1	40.0	16.71	6.6	39.2
5	14.53	2.9	39.8	—	—	—	12.61	8.8	38.5
6	21.06	15.8	40.2	21.66	18.3	40.3	—	—	—
7	—	—	—	—	—	—	16.31	4.3	38.8
8	—	—	—	—	—	—	21.52	6.7	40.0
Biological technicians	14.99	8.0	31.1	15.74	11.7	29.8	13.15	6.2	34.8
3	10.26	6.9	27.8	—	—	—	—	—	—
5	14.37	4.1	39.7	14.54	9.3	40.0	—	—	—
6	18.40	8.6	39.6	19.16	7.3	39.5	—	—	—
7	18.13	4.8	37.8	19.47	4.9	40.0	15.85	7.1	34.5
8	20.57	7.3	38.0	—	—	—	—	—	—
Chemical technicians	17.84	3.4	39.8	17.77	3.5	39.8	19.87	6.9	38.1
4	15.75	9.5	39.1	15.84	9.7	39.7	—	—	—
5	15.75	5.5	39.6	15.74	5.5	39.6	—	—	—
6	18.82	5.8	40.2	18.82	5.8	40.2	—	—	—
7	17.68	7.1	39.3	17.64	7.3	39.3	—	—	—
8	18.73	5.9	40.0	18.71	6.2	40.0	19.31	6.0	40.0
Science technicians, n.e.c.	17.40	2.7	37.4	17.74	2.8	37.6	15.49	4.9	36.4
4	12.85	6.0	37.6	13.26	7.0	40.0	—	—	—
5	16.93	2.6	36.4	16.87	2.8	36.3	—	—	—
6	17.11	5.3	37.7	18.70	4.3	38.7	15.08	7.4	36.6
7	18.61	9.5	35.9	19.55	9.7	35.9	14.25	10.0	35.9
8	18.17	4.7	39.4	18.37	5.3	39.3	—	—	—
9	20.12	4.3	39.5	20.05	4.4	39.5	—	—	—
Airplane pilots and navigators	85.03	10.1	22.6	85.03	10.1	22.6	—	—	—
7	41.81	24.8	31.0	41.81	24.8	31.0	—	—	—
8	27.74	12.7	27.5	27.74	12.7	27.5	—	—	—
9	53.48	14.4	26.1	53.48	14.4	26.1	—	—	—
10	91.05	23.4	26.7	91.05	23.4	26.7	—	—	—
11	120.56	7.0	20.6	120.56	7.0	20.6	—	—	—
12	110.48	13.7	21.5	110.48	13.7	21.5	—	—	—
Broadcast equipment operators	15.31	11.5	36.7	14.58	13.3	36.5	19.91	8.3	38.0
2	7.74	.8	32.0	7.74	.8	32.0	—	—	—
4	9.48	10.9	37.7	9.40	11.4	37.7	—	—	—
5	11.72	10.3	39.9	11.73	10.8	40.0	—	—	—
6	16.93	10.3	39.6	17.52	11.4	40.0	—	—	—

See footnotes at end of table.

TABLE 2-4. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1999—Continued

Occupation and level	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar—Continued									
Professional specialty and technical—Continued									
Technical—Continued									
Broadcast equipment operators—Continued									
7	\$17.59	4.6	37.6	\$17.59	4.6	37.6	—	—	—
8	20.16	13.6	39.7	—	—	—	—	—	—
9	24.12	7.9	40.0	26.03	9.6	40.0	—	—	—
Computer programmers	22.29	3.5	38.8	22.45	3.8	38.7	\$20.82	4.1	39.7
5	15.96	5.8	38.5	16.00	6.0	38.6	—	—	—
6	17.76	7.6	39.3	17.89	8.2	39.3	—	—	—
7	18.44	7.8	39.6	18.49	8.3	39.5	17.55	5.1	40.0
8	21.31	4.3	39.6	21.73	4.4	39.6	18.94	6.2	39.8
9	25.33	2.6	37.4	25.65	2.8	37.1	23.31	5.6	39.8
10	30.85	2.6	39.9	31.03	2.7	39.9	—	—	—
11	33.60	7.9	40.1	33.60	7.9	40.1	—	—	—
Tool programmers, numerical control	17.87	5.9	40.2	17.87	5.9	40.2	—	—	—
6	16.32	3.6	40.2	16.32	3.6	40.2	—	—	—
7	17.28	5.2	40.0	17.28	5.2	40.0	—	—	—
Legal assistants	16.30	3.5	37.1	16.31	3.7	36.9	16.05	6.9	39.2
4	11.43	4.5	39.8	11.35	4.9	40.0	—	—	—
5	—	—	—	—	—	—	15.89	12.8	39.0
6	15.64	6.5	37.1	15.77	7.6	36.6	14.91	4.9	40.0
7	18.35	9.8	38.5	18.47	11.2	38.6	17.62	9.8	38.4
8	19.46	4.0	41.7	19.49	4.1	41.7	—	—	—
9	23.39	7.1	39.7	24.95	6.4	39.6	—	—	—
Technical and related, n.e.c.	18.15	2.9	38.5	18.84	3.3	39.1	16.02	4.9	36.9
2	9.45	2.8	31.3	9.28	3.7	25.4	—	—	—
3	9.68	5.3	33.5	10.20	5.2	35.9	—	—	—
4	12.09	6.4	38.2	12.01	7.3	38.0	12.45	10.7	39.3
5	14.31	5.3	38.8	15.15	4.4	39.3	12.84	4.6	38.0
6	16.36	4.9	37.5	16.93	5.0	39.1	14.99	8.3	34.3
7	18.58	5.0	39.3	18.71	6.4	39.9	18.11	3.5	37.3
8	19.88	3.6	39.1	20.56	5.1	39.3	18.00	5.6	38.6
9	23.33	3.1	39.5	23.76	3.7	39.3	21.80	1.9	40.0
10	26.05	3.6	39.6	26.09	3.7	39.6	—	—	—
11	33.33	8.0	40.0	34.50	7.2	40.0	—	—	—
12	33.33	8.0	40.0	34.50	7.2	40.0	—	—	—
Not able to be leveled	21.05	4.7	34.9	21.29	4.7	37.4	—	—	—
Executive, administrative, and managerial									
4	9.63	7.3	40.0	9.63	7.3	40.0	25.89	2.5	38.5
5	13.57	2.7	39.1	13.49	2.9	39.2	—	—	—
6	15.38	2.9	38.0	15.52	3.3	37.8	14.30	3.5	38.5
7	17.24	1.3	40.3	17.18	1.4	40.6	14.70	4.4	39.2
8	19.63	2.1	39.8	19.63	2.5	40.0	17.72	1.8	38.5
9	24.40	1.3	40.0	24.65	1.4	40.1	19.59	2.3	38.8
10	28.95	2.1	39.9	29.46	2.1	40.1	23.01	2.8	39.0
11	32.16	2.6	40.8	32.61	3.2	41.2	26.81	4.6	39.3
12	40.26	1.5	40.3	40.87	1.7	40.5	30.56	3.1	39.5
13	52.92	4.8	41.4	53.83	5.2	41.6	36.94	3.0	39.2
14	61.67	2.7	41.1	63.17	2.6	41.2	45.31	5.1	39.5
15	101.70	13.5	41.8	102.04	13.6	41.9	46.82	8.8	39.5
Not able to be leveled	36.52	6.7	35.3	40.98	8.6	38.4	—	—	—
Executives, administrators, and managers	30.69	2.2	40.5	30.77	2.5	40.9	28.27	3.9	30.8
4	8.77	8.1	39.1	8.76	8.2	39.1	30.19	2.2	38.4
5	12.56	4.7	41.5	12.52	4.8	41.6	—	—	—
6	15.41	7.4	39.9	15.47	8.0	39.9	13.72	4.9	38.5
7	16.82	2.1	41.4	16.69	2.3	41.8	14.77	5.2	39.8
8	19.00	4.2	40.7	18.85	4.6	40.8	18.24	4.0	38.2
9	25.03	1.6	40.4	25.08	1.8	40.5	20.42	4.5	39.4
10	29.74	2.3	40.4	29.97	2.4	40.5	24.67	2.2	39.0
11	31.67	1.6	40.8	31.74	1.9	41.1	28.43	4.9	39.8
12	40.54	1.6	40.4	41.17	1.7	40.6	31.46	2.3	39.5
							37.43	2.9	39.1

See footnotes at end of table.

TABLE 2-4. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1999—Continued

Occupation and level	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar—Continued									
Executive, administrative, and managerial—Continued									
Executives, administrators, and managers—Continued									
13	\$52.94	5.1	41.5	\$53.85	5.5	41.7	\$45.74	5.0	39.5
14	62.55	2.7	41.1	64.25	2.6	41.3	46.82	8.8	39.5
15	104.45	13.4	41.9	104.86	13.6	42.0	—	—	—
Not able to be leveled	39.40	8.4	34.3	45.85	10.9	37.8	29.18	4.3	30.0
Legislators	15.74	19.1	12.4	—	—	—	15.74	19.1	12.4
Not able to be leveled	15.74	19.1	12.4	—	—	—	15.74	19.1	12.4
Chief executives and general administrators, public administration	28.96	41.3	45.1	—	—	—	39.22	4.7	39.4
11	34.15	3.2	39.7	—	—	—	—	—	—
12	40.18	9.9	40.4	—	—	—	38.26	10.6	40.5
Administrators and officials, public administration	26.87	2.6	38.9	28.78	13.8	38.8	26.84	2.6	38.9
5	13.98	6.6	39.2	—	—	—	13.98	6.6	39.2
6	14.35	8.9	40.1	—	—	—	14.41	9.3	40.1
7	17.24	5.7	37.1	—	—	—	17.17	5.8	37.1
8	20.24	5.4	39.4	—	—	—	20.13	5.5	39.3
9	24.58	3.5	38.4	—	—	—	24.58	3.5	38.4
10	25.40	6.5	40.3	—	—	—	25.40	6.5	40.3
11	27.37	5.2	39.5	—	—	—	27.43	5.3	39.5
12	34.71	2.5	39.6	—	—	—	34.73	2.5	39.7
13	43.49	7.8	38.8	—	—	—	43.49	7.8	38.8
14	38.92	12.4	38.5	—	—	—	38.92	12.4	38.5
Not able to be leveled	34.21	4.1	37.0	—	—	—	33.90	4.1	37.0
Financial managers	32.32	6.8	40.4	32.39	7.1	40.4	30.87	4.0	39.7
5	14.41	16.0	40.7	14.41	16.0	40.7	—	—	—
6	14.25	10.0	39.9	14.25	10.0	39.9	—	—	—
7	18.30	4.1	41.7	18.30	4.1	41.7	—	—	—
8	17.39	5.1	39.8	17.37	5.1	39.8	—	—	—
9	24.53	3.3	39.9	24.56	3.4	39.9	23.49	4.3	39.8
10	30.61	5.5	42.0	30.68	5.6	42.1	26.54	5.5	39.3
11	33.65	3.1	40.5	33.91	3.3	40.6	31.31	5.7	40.0
12	41.74	5.5	40.2	42.99	5.6	40.2	31.55	4.2	39.8
13	69.38	26.0	43.1	69.82	26.2	43.2	—	—	—
14	66.83	11.3	39.8	67.80	11.6	40.1	—	—	—
Not able to be leveled	39.65	16.1	29.7	39.60	17.2	29.2	—	—	—
Personnel and labor relations managers	29.92	8.7	41.1	29.15	9.9	41.5	34.36	5.1	39.1
6	14.81	12.5	40.0	—	—	—	—	—	—
8	19.46	6.0	40.6	19.80	7.1	40.9	18.11	6.8	39.2
9	23.06	5.6	41.8	22.29	5.4	42.0	—	—	—
10	32.75	6.4	40.1	33.32	6.8	40.1	—	—	—
11	33.45	3.6	41.3	32.27	4.1	41.5	38.60	4.4	40.1
12	39.97	3.5	39.9	40.53	3.9	40.0	36.41	3.8	39.4
13	46.85	4.2	43.7	49.37	3.8	47.4	—	—	—
14	60.37	8.7	40.0	61.48	8.9	39.9	—	—	—
Purchasing managers	27.96	3.0	42.8	28.04	3.1	42.9	26.11	18.9	40.1
8	18.00	8.7	42.8	18.37	10.0	43.3	—	—	—
9	22.60	2.2	40.3	22.68	2.4	40.2	—	—	—
10	34.31	6.6	40.3	34.29	6.8	40.3	—	—	—
12	35.73	5.1	42.1	35.74	5.2	42.2	—	—	—
13	47.61	6.6	40.2	47.61	6.6	40.2	—	—	—
Managers, marketing, advertising, and public relations	38.03	6.5	40.9	38.08	6.5	40.9	30.57	12.9	40.3
6	14.08	7.8	40.0	14.08	7.8	40.0	—	—	—
7	17.88	4.5	39.8	17.52	4.0	39.8	—	—	—
8	21.70	15.7	40.7	21.72	15.9	40.7	—	—	—
9	27.58	6.7	41.9	27.59	6.7	41.9	—	—	—
10	31.74	5.3	40.8	31.74	5.3	40.8	—	—	—

See footnotes at end of table.

TABLE 2-4. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1999—Continued

Occupation and level	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar—Continued									
Executive, administrative, and managerial—Continued									
Executives, administrators, and managers—Continued									
Managers, marketing, advertising, and public relations—Continued									
11	\$35.98	4.7	40.2	\$35.90	4.8	40.2	—	—	—
12	42.73	3.5	41.2	42.76	3.5	41.2	—	—	—
13	52.62	5.7	41.8	52.63	5.7	41.8	—	—	—
14	63.58	4.8	40.7	63.58	4.8	40.7	—	—	—
Not able to be leveled	54.10	10.7	41.3	54.10	10.7	41.3	—	—	—
Administrators, education and related fields	32.26	2.7	39.2	24.49	4.9	39.3	\$35.14	2.9	39.2
5	12.12	4.2	36.2	12.13	4.8	35.7	—	—	—
6	12.38	7.0	37.7	11.61	3.8	37.5	—	—	—
7	17.07	5.5	39.0	15.33	3.6	39.8	19.58	9.2	38.0
8	20.63	5.5	39.1	17.53	4.7	39.1	24.68	7.4	39.2
9	25.77	4.1	37.7	21.49	4.1	36.5	28.44	5.1	38.5
10	33.13	4.3	39.6	23.38	7.3	40.5	34.99	4.1	39.4
11	32.41	2.2	39.6	25.38	2.9	40.6	33.81	2.2	39.4
12	38.88	3.9	39.1	32.51	4.8	41.9	40.35	4.4	38.5
13	45.29	6.2	39.8	45.52	11.9	39.3	45.20	7.2	40.1
14	50.33	7.4	43.2	48.23	6.3	44.1	51.56	10.7	42.7
Not able to be leveled	31.23	12.0	39.7	—	—	—	30.53	11.5	39.7
Managers, medicine and health	29.73	4.2	38.8	29.35	4.2	38.8	32.01	13.8	38.9
5	17.02	20.4	37.1	17.23	21.7	37.0	—	—	—
8	17.71	7.7	39.6	18.55	8.2	39.6	14.65	18.6	39.2
9	25.38	5.7	38.2	25.73	5.7	38.1	21.97	2.4	39.4
10	27.49	7.0	40.6	27.72	7.2	40.7	23.31	6.3	39.2
11	30.07	2.1	39.5	30.55	2.1	39.9	27.39	5.1	37.6
12	36.45	3.0	39.7	37.22	3.6	39.7	33.03	7.4	39.4
13	48.29	6.3	38.8	45.64	5.2	39.1	57.46	6.0	37.8
14	59.93	8.0	40.3	55.82	8.2	40.6	—	—	—
Not able to be leveled	34.04	8.0	39.0	36.68	10.9	38.0	—	—	—
Managers, food servicing and lodging establishments	15.91	4.3	42.3	15.80	4.5	42.5	17.60	8.7	39.0
5	11.92	7.1	41.5	11.90	7.3	41.7	—	—	—
6	14.22	4.9	43.1	13.96	6.3	44.5	—	—	—
7	12.97	7.2	42.0	12.98	7.4	42.0	—	—	—
8	15.36	4.1	42.7	15.30	4.3	42.8	—	—	—
9	20.76	3.7	43.5	20.48	4.1	44.1	—	—	—
10	27.31	5.9	43.7	27.49	6.0	44.5	—	—	—
11	28.74	7.7	43.0	28.74	7.7	43.0	—	—	—
12	36.17	3.9	39.8	36.47	4.6	40.2	—	—	—
Managers, properties and real estate	20.74	7.4	39.8	20.74	7.9	39.8	20.77	5.0	39.3
5	14.16	13.1	40.0	14.16	13.1	40.0	—	—	—
6	12.78	9.1	39.8	12.77	9.2	39.8	—	—	—
7	17.09	13.2	37.0	17.10	14.1	36.8	—	—	—
8	19.88	10.2	39.7	19.96	10.5	39.7	—	—	—
9	22.38	11.4	40.8	22.66	13.6	41.0	—	—	—
12	46.62	7.7	43.0	—	—	—	—	—	—
Funeral directors	22.38	10.7	44.9	22.38	10.7	44.9	—	—	—
Managers, service organizations, n.e.c.	28.06	8.4	39.1	28.81	9.0	39.1	21.15	5.1	39.2
5	14.47	14.5	37.2	14.50	14.8	37.2	—	—	—
6	13.50	4.6	39.2	14.32	6.3	39.5	—	—	—
7	13.58	8.0	40.1	13.47	8.8	40.2	14.42	4.6	39.3
8	23.20	13.9	38.2	23.01	15.3	38.1	25.23	19.4	39.2
9	22.30	6.6	38.7	22.50	7.3	38.7	20.83	7.1	38.9
10	26.69	5.7	38.9	27.59	4.8	38.8	19.88	6.6	40.0
11	26.76	6.9	39.8	26.79	7.8	39.9	26.55	4.4	39.2
12	36.31	4.0	39.3	36.52	4.2	39.3	—	—	—
13	47.85	9.1	37.6	47.85	9.1	37.6	—	—	—

See footnotes at end of table.

TABLE 2-4. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1999—Continued

Occupation and level	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar—Continued									
Executive, administrative, and managerial—Continued									
Executives, administrators, and managers—Continued									
Managers and administrators, n.e.c.									
5	\$31.42	3.5	41.1	\$31.55	3.7	41.2	\$28.28	3.7	40.0
6	12.28	7.3	42.1	12.28	7.3	42.1	—	—	—
7	16.69	9.9	40.8	16.71	10.0	40.8	—	—	—
8	17.63	2.7	42.6	17.54	2.7	42.8	19.92	7.9	39.4
9	20.14	7.2	40.4	20.09	7.6	40.4	21.20	2.9	40.0
10	25.51	2.6	41.2	25.61	2.7	41.3	23.28	5.0	39.9
11	29.96	3.7	39.7	30.02	3.8	39.7	24.57	5.9	37.6
12	31.91	2.1	41.2	31.89	2.2	41.3	32.12	5.2	40.3
13	41.50	2.3	40.7	41.77	2.3	40.7	36.13	3.9	40.3
14	51.98	2.6	41.8	52.34	2.5	41.8	39.76	5.5	42.7
15	64.49	3.1	41.9	64.66	3.1	42.0	51.24	3.0	40.0
Not able to be leveled	89.32	8.6	42.5	89.51	8.7	42.5	—	—	—
Management related	44.27	14.6	39.6	46.59	15.1	39.9	24.25	17.5	37.4
4	22.19	2.3	39.0	22.72	2.6	39.0	19.87	2.3	38.7
5	10.19	10.1	40.5	10.19	10.1	40.5	—	—	—
6	14.43	1.8	37.3	14.44	2.0	37.1	14.40	4.1	38.5
7	15.37	2.2	37.1	15.55	2.4	36.6	14.69	5.1	39.0
8	17.60	1.3	39.4	17.63	1.6	39.5	17.47	2.1	38.7
9	20.29	1.5	38.9	20.58	1.8	39.0	19.20	2.6	38.5
10	23.37	1.9	39.3	23.86	1.9	39.5	21.48	4.0	39.0
11	26.86	3.1	38.6	27.82	2.4	38.6	24.69	7.6	38.5
12	33.91	9.3	41.0	35.46	10.0	41.3	25.96	5.9	39.6
13	38.35	5.1	39.9	39.05	5.2	39.9	28.33	4.1	39.7
14	52.48	6.7	39.9	53.51	6.2	39.9	—	—	—
Not able to be leveled	46.18	6.4	40.5	46.18	6.4	40.5	—	—	—
Accountants and auditors	29.06	8.7	38.1	30.56	10.4	39.6	24.69	11.3	34.3
5	21.14	2.4	39.4	21.56	2.8	39.5	19.15	3.2	38.8
6	15.12	3.5	37.5	15.10	3.8	37.3	15.23	8.6	38.4
7	16.77	4.5	39.5	17.64	4.0	39.5	14.67	8.8	39.6
8	17.65	2.4	39.6	17.73	2.7	39.7	17.05	3.6	39.0
9	19.59	2.6	39.8	19.88	2.7	39.9	18.05	4.7	39.7
10	22.16	3.1	39.1	22.47	3.6	39.3	20.98	5.7	38.1
11	26.30	1.7	39.9	26.59	1.9	40.3	25.32	3.5	38.6
12	28.55	2.9	39.6	28.67	3.1	39.8	27.34	3.1	38.5
13	41.05	13.2	39.8	42.50	12.6	39.8	—	—	—
14	38.82	12.8	40.4	43.88	9.5	40.5	—	—	—
Not able to be leveled	22.28	9.7	40.9	22.46	10.1	41.0	—	—	—
Underwriters	22.24	7.1	39.2	22.24	7.1	39.2	—	—	—
5	13.14	7.0	39.2	13.14	7.0	39.2	—	—	—
6	14.33	3.7	39.3	14.33	3.7	39.3	—	—	—
7	18.54	7.7	39.0	18.54	7.7	39.0	—	—	—
8	20.40	6.3	39.1	20.40	6.3	39.1	—	—	—
9	21.41	8.6	39.3	21.41	8.6	39.3	—	—	—
11	29.15	5.1	39.9	29.15	5.1	39.9	—	—	—
Other financial officers	23.40	4.5	39.7	23.47	4.9	39.8	22.66	9.2	38.2
5	14.52	14.1	39.9	15.05	12.1	39.9	—	—	—
6	14.58	5.1	39.7	14.58	5.1	39.8	—	—	—
7	16.42	3.3	40.6	16.30	3.5	40.7	17.78	2.5	39.5
8	20.67	4.3	40.2	20.84	4.5	40.3	17.59	6.5	39.0
9	22.32	2.0	37.8	22.19	2.1	37.7	23.70	5.4	39.3
10	26.97	4.3	38.5	26.13	7.6	41.6	—	—	—
11	32.68	7.3	41.1	32.84	7.5	41.1	—	—	—
12	42.99	11.2	39.4	45.05	10.8	39.4	—	—	—
13	62.55	19.2	39.1	62.55	19.2	39.1	—	—	—
14	57.08	8.0	42.2	57.08	8.0	42.2	—	—	—
Not able to be leveled	32.79	20.5	39.7	32.79	20.5	39.7	—	—	—
Management analysts	25.03	4.1	40.1	26.24	2.8	40.3	20.90	7.5	39.6

See footnotes at end of table.

TABLE 2-4. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1999—Continued

Occupation and level	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar—Continued									
Executive, administrative, and managerial—Continued									
Management related—Continued									
Management analysts—Continued									
6	\$16.28	3.1	40.0	\$16.28	3.1	40.0	—	—	—
7	18.16	5.0	41.6	18.22	5.4	41.8	—	—	—
8	23.26	5.5	39.8	23.36	5.4	39.9	—	—	—
9	26.46	3.9	40.0	26.94	4.0	40.1	\$23.52	6.6	39.7
10	22.92	12.9	40.0	28.51	4.7	40.0	—	—	—
11	26.35	8.8	39.7	30.23	2.7	39.9	22.30	8.7	39.5
12	33.90	3.7	39.9	33.96	3.8	40.0	—	—	—
13	47.26	13.6	42.0	47.26	13.6	42.0	—	—	—
Personnel, training, and labor relations specialists									
5	20.64	3.3	36.3	20.79	3.9	35.9	19.92	4.0	38.7
6	13.43	3.8	40.2	13.14	3.7	40.5	15.25	9.1	38.3
7	13.37	5.5	28.6	12.96	6.0	26.9	15.11	6.5	39.0
8	17.99	2.5	39.2	18.16	2.7	39.5	16.99	7.1	37.9
9	20.83	4.4	33.4	21.27	4.7	32.6	17.93	2.9	39.0
10	23.43	4.0	39.5	23.83	4.6	39.4	21.74	5.4	39.9
11	28.86	5.8	32.4	28.15	9.0	28.5	29.75	7.4	39.4
12	28.02	3.5	40.4	28.20	3.7	40.4	—	—	—
13	33.07	2.9	40.5	33.24	2.8	40.6	—	—	—
Not able to be leveled	25.43	5.9	37.4	27.05	4.8	42.5	—	—	—
Purchasing agents and buyers, farm products ..									
Buyers, wholesale and retail trade, except farm products									
6	19.39	5.4	39.9	19.31	5.4	39.9	22.75	8.1	39.7
7	14.33	3.2	40.0	14.29	3.2	40.0	—	—	—
8	16.59	5.1	39.5	16.59	5.1	39.5	—	—	—
9	25.58	25.2	41.3	25.82	26.0	41.4	—	—	—
10	24.53	4.7	41.4	24.58	4.8	41.5	—	—	—
11	27.84	1.7	42.2	28.06	2.2	42.7	—	—	—
Purchasing agents and buyers, n.e.c.									
5	23.89	7.0	40.0	25.39	5.6	40.0	15.70	10.7	39.8
6	16.07	4.4	40.0	16.08	4.4	40.0	—	—	—
7	14.24	13.0	39.8	17.50	5.0	39.6	11.89	12.6	40.0
8	17.65	3.5	39.6	17.73	3.7	39.7	16.47	2.5	38.3
9	19.00	3.3	40.2	19.01	4.1	40.3	18.97	5.4	39.9
10	24.89	8.6	40.1	26.47	5.2	40.1	17.31	9.3	39.9
11	33.26	11.0	39.4	33.70	10.8	39.4	—	—	—
12	35.83	7.2	40.0	35.83	7.2	40.0	—	—	—
Business and promotional agents									
9	14.86	18.7	39.2	14.68	19.6	39.1	—	—	—
10	20.70	10.0	40.0	22.37	11.5	40.0	—	—	—
Construction inspectors									
5	20.69	3.5	39.4	20.58	6.6	40.6	20.73	4.1	38.8
6	16.34	6.7	39.5	—	—	—	16.19	11.6	39.1
7	16.57	4.3	40.6	—	—	—	17.44	2.4	39.8
8	19.59	4.1	39.8	20.86	8.8	41.1	19.11	4.8	39.4
9	20.60	7.8	38.2	—	—	—	20.77	8.0	37.7
10	23.35	4.7	39.4	—	—	—	24.44	4.0	39.1
Inspectors and compliance officers, except construction									
5	20.47	3.6	39.0	24.69	3.0	40.0	18.55	4.2	38.6
6	15.06	7.3	39.3	—	—	—	14.85	8.0	39.3
7	14.84	7.6	38.3	18.51	6.4	39.4	13.73	5.1	37.9
8	18.42	6.8	38.5	22.52	8.2	39.9	16.48	4.8	37.9
9	18.54	2.7	38.1	20.21	4.2	38.2	18.39	2.8	38.1
10	23.16	3.2	40.1	25.36	4.2	40.9	21.01	3.8	39.4
11	26.66	4.3	39.2	28.18	6.1	39.0	—	—	—
12	27.07	4.0	40.1	27.20	13.3	40.4	27.04	3.5	40.0
Management related, n.e.c.									
4	23.18	6.4	39.0	23.64	7.5	39.1	21.08	3.3	38.3
5	10.62	15.0	42.1	10.62	15.0	42.1	—	—	—
6	14.06	2.8	34.3	14.24	3.2	33.9	12.85	4.6	37.4
7	16.53	2.7	39.0	16.53	3.0	39.1	16.58	6.5	38.2
8	17.80	3.4	38.6	17.74	4.0	38.6	18.09	3.7	39.0

See footnotes at end of table.

TABLE 2-4. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1999—Continued

Occupation and level	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar—Continued									
Executive, administrative, and managerial—Continued									
Management related—Continued									
Management related, n.e.c.—Continued									
8	\$20.43	2.6	39.1	\$20.43	3.0	39.4	\$20.41	5.2	38.2
9	23.74	2.2	39.3	24.28	1.8	39.5	22.06	7.2	38.7
10	26.98	3.0	39.6	27.22	3.3	39.5	25.92	6.7	40.0
11	43.07	18.3	43.0	46.11	18.5	43.8	29.08	5.4	39.6
12	37.04	4.7	40.1	37.28	4.8	40.0	—	—	—
14	42.69	6.6	40.3	42.69	6.6	40.3	—	—	—
Not able to be leveled	29.35	13.8	36.4	32.88	18.6	38.2	24.70	13.2	34.3
Sales									
1	6.44	1.0	25.6	6.44	1.0	25.6	6.89	3.5	24.0
2	6.66	1.4	26.6	6.66	1.4	26.6	8.38	3.6	28.4
3	8.28	1.2	30.4	8.26	1.2	30.3	10.71	9.2	33.6
4	12.07	4.7	37.7	12.07	4.7	37.6	12.35	4.1	39.2
5	14.51	2.4	40.0	14.50	2.4	40.0	16.00	7.8	39.9
6	18.08	3.0	40.2	18.09	3.0	40.2	—	—	—
7	20.85	4.3	39.9	20.89	4.4	39.9	15.02	3.2	39.1
8	23.48	2.9	41.2	23.49	2.9	41.2	—	—	—
9	29.48	3.8	41.3	29.49	3.8	41.3	—	—	—
10	35.25	7.1	41.7	35.32	7.1	41.7	—	—	—
11	37.16	4.7	40.7	37.25	4.7	40.7	—	—	—
12	52.38	12.9	39.3	52.38	12.9	39.3	—	—	—
Not able to be leveled	24.46	13.8	37.0	24.46	13.8	37.0	—	—	—
Supervisors, sales	16.10	3.6	41.1	16.10	3.6	41.1	15.80	9.8	39.3
3	9.14	3.5	42.9	9.14	3.5	42.9	—	—	—
4	9.71	4.4	40.3	9.70	4.4	40.3	—	—	—
5	12.45	2.7	41.3	12.43	2.7	41.3	—	—	—
6	16.13	7.2	40.8	16.13	7.2	40.8	—	—	—
7	16.56	6.0	42.7	16.56	6.0	42.8	—	—	—
8	20.35	3.6	41.5	20.37	3.6	41.5	—	—	—
9	26.77	6.8	41.7	26.80	6.9	41.7	—	—	—
10	28.79	7.4	40.5	28.79	7.4	40.5	—	—	—
11	35.54	6.6	40.6	35.54	6.6	40.6	—	—	—
12	46.64	9.4	40.5	46.64	9.4	40.5	—	—	—
Insurance sales	20.13	6.6	38.1	20.18	6.7	38.1	—	—	—
3	9.12	3.8	39.6	9.12	3.8	39.6	—	—	—
4	15.77	12.8	36.1	15.77	12.8	36.1	—	—	—
5	14.03	2.6	39.0	14.03	2.6	39.0	—	—	—
6	21.06	6.6	36.0	21.06	6.6	36.0	—	—	—
8	22.88	7.7	39.1	22.89	7.7	39.1	—	—	—
9	34.90	5.3	44.6	34.94	5.3	44.6	—	—	—
10	31.34	13.0	38.4	33.45	10.5	38.1	—	—	—
11	52.45	25.7	45.2	52.45	25.7	45.2	—	—	—
Real estate sales	21.20	17.4	34.1	21.25	18.1	34.0	19.95	12.2	38.5
4	10.99	8.9	33.7	11.00	9.1	33.5	—	—	—
5	11.99	3.3	33.9	11.99	3.3	33.9	—	—	—
6	17.89	18.5	40.0	—	—	—	—	—	—
8	26.80	10.4	38.5	26.82	10.5	38.5	—	—	—
Securities and financial services sales	32.51	12.0	39.5	32.51	12.0	39.5	—	—	—
4	16.44	23.0	38.8	16.44	23.0	38.8	—	—	—
5	12.80	3.0	39.4	12.80	3.0	39.4	—	—	—
6	15.90	12.3	40.9	15.90	12.3	40.9	—	—	—
7	20.31	20.7	39.6	20.31	20.7	39.6	—	—	—
8	46.43	20.4	40.6	46.43	20.4	40.6	—	—	—
9	23.19	6.3	39.6	23.19	6.3	39.6	—	—	—
10	80.46	30.9	36.7	80.46	30.9	36.7	—	—	—
11	45.26	8.2	40.9	45.26	8.2	40.9	—	—	—
12	46.92	6.1	38.1	46.92	6.1	38.1	—	—	—

See footnotes at end of table.

TABLE 2-4. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1999—Continued

Occupation and level	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar—Continued									
Sales—Continued									
Advertising and related sales	\$23.46	17.2	38.5	\$23.46	17.2	38.5	—	—	—
4	8.84	4.4	36.3	8.84	4.4	36.3	—	—	—
5	14.15	7.7	39.3	14.15	7.7	39.3	—	—	—
6	16.48	6.3	39.7	16.48	6.3	39.7	—	—	—
7	18.72	8.7	39.4	18.72	8.7	39.4	—	—	—
8	24.28	4.9	39.6	24.28	4.9	39.6	—	—	—
9	27.18	13.3	40.6	27.18	13.3	40.6	—	—	—
10	26.78	7.3	39.0	26.78	7.3	39.0	—	—	—
11	31.54	11.4	39.9	31.54	11.4	39.9	—	—	—
Sales, other business services	19.31	6.5	37.7	19.30	6.5	37.7	—	—	—
1	9.12	12.0	22.0	9.12	12.0	22.0	—	—	—
3	8.32	6.2	29.9	8.32	6.2	29.9	—	—	—
4	17.61	11.7	37.6	17.61	11.7	37.6	—	—	—
5	14.63	7.6	42.2	14.61	7.6	42.2	—	—	—
6	18.67	8.6	40.2	18.67	8.6	40.2	—	—	—
7	22.33	7.4	38.3	22.33	7.4	38.3	—	—	—
8	27.06	8.2	40.6	27.08	8.2	40.6	—	—	—
9	30.28	4.9	40.2	30.28	4.9	40.2	—	—	—
10	29.61	7.8	39.9	29.61	7.8	39.9	—	—	—
11	44.16	10.7	38.2	44.84	10.7	38.1	—	—	—
Not able to be leveled	26.06	25.4	34.0	26.06	25.4	34.0	—	—	—
Sales engineers	30.60	5.1	41.3	30.60	5.1	41.3	—	—	—
7	22.98	12.7	42.1	22.98	12.7	42.1	—	—	—
9	23.87	6.9	45.3	23.87	6.9	45.3	—	—	—
10	31.10	10.1	41.1	31.10	10.1	41.1	—	—	—
Sales representatives, mining, manufacturing, and wholesale	22.95	4.5	40.4	22.95	4.5	40.4	—	—	—
3	11.33	11.6	40.0	11.33	11.6	40.0	—	—	—
4	12.33	3.9	39.9	12.33	3.9	39.9	—	—	—
5	18.92	4.6	39.9	18.92	4.6	39.9	—	—	—
6	18.52	6.9	40.4	18.52	6.9	40.4	—	—	—
7	21.94	4.3	41.2	21.94	4.3	41.2	—	—	—
8	24.46	4.2	41.0	24.46	4.2	41.0	—	—	—
9	31.78	6.8	40.1	31.78	6.8	40.1	—	—	—
10	36.81	13.4	41.3	36.81	13.4	41.3	—	—	—
11	35.64	10.1	40.7	35.64	10.1	40.7	—	—	—
12	47.16	6.5	40.6	47.16	6.5	40.6	—	—	—
Sales workers, motor vehicles and boats	20.71	4.5	45.4	20.71	4.5	45.4	—	—	—
3	16.87	9.9	43.4	16.87	9.9	43.4	—	—	—
4	20.95	8.3	46.9	20.95	8.3	46.9	—	—	—
5	19.18	5.0	44.9	19.18	5.0	44.9	—	—	—
6	23.31	10.1	45.2	23.31	10.1	45.2	—	—	—
7	27.55	12.7	42.6	27.55	12.7	42.6	—	—	—
8	22.00	12.0	44.4	22.00	12.0	44.4	—	—	—
Sales workers, apparel	8.99	11.2	26.5	8.99	11.2	26.5	—	—	—
1	6.59	3.3	24.1	6.59	3.3	24.1	—	—	—
2	6.91	8.1	24.5	6.91	8.1	24.5	—	—	—
3	8.07	3.1	25.4	8.07	3.1	25.4	—	—	—
4	10.37	5.0	36.4	10.37	5.0	36.4	—	—	—
Sales workers, shoes	7.97	6.3	26.6	7.97	6.3	26.6	—	—	—
1	6.57	3.8	25.5	6.57	3.8	25.5	—	—	—
3	8.71	9.1	26.9	8.71	9.1	26.9	—	—	—
Sales workers, furniture and home furnishings ..	11.36	13.4	30.0	11.36	13.4	30.0	—	—	—
1	6.45	1.8	29.7	6.45	1.8	29.7	—	—	—
2	4.53	26.2	24.3	4.53	26.2	24.3	—	—	—
3	8.06	5.5	26.9	8.06	5.5	26.9	—	—	—
4	17.67	15.9	41.9	17.67	15.9	41.9	—	—	—
5	17.80	10.0	40.6	17.80	10.0	40.6	—	—	—
Sales workers, radio, tv, hi-fi, and appliances ...	13.80	11.7	35.4	13.80	11.7	35.4	—	—	—
1	7.22	7.7	26.9	7.22	7.7	26.9	—	—	—

See footnotes at end of table.

TABLE 2-4. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1999—Continued

Occupation and level	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar—Continued									
Sales—Continued									
Sales workers, radio, tv, hi-fi, and appliances—Continued									
3	\$9.05	8.3	36.2	\$9.05	8.3	36.2	—	—	—
4	16.04	11.1	35.8	16.04	11.1	35.8	—	—	—
Sales workers, hardware and building supplies									
2	6.90	4.6	23.7	6.90	4.6	23.7	—	—	—
3	7.94	2.7	32.1	7.94	2.7	32.1	—	—	—
4	10.46	2.9	38.7	10.46	2.9	38.7	—	—	—
5	13.14	4.6	41.3	13.14	4.6	41.3	—	—	—
6	22.18	12.5	40.0	22.18	12.5	40.0	—	—	—
8	24.18	11.0	40.6	24.18	11.0	40.6	—	—	—
Sales workers, parts									
3	12.95	7.6	38.7	12.95	7.6	38.7	—	—	—
4	10.51	10.6	38.5	10.51	10.6	38.5	—	—	—
5	12.35	6.3	40.9	12.35	6.3	40.9	—	—	—
6	13.89	7.2	40.4	13.89	7.2	40.4	—	—	—
7	19.86	6.4	39.7	19.86	6.4	39.7	—	—	—
7	28.51	40.0	43.2	28.51	40.0	43.2	—	—	—
Sales workers, other commodities									
1	10.62	7.9	29.6	10.62	7.9	29.6	\$9.23	11.0	30.3
2	6.45	2.6	23.3	6.45	2.6	23.4	—	—	—
2	6.72	2.4	23.6	6.72	2.4	23.6	—	—	—
3	8.19	2.4	28.2	8.18	2.4	28.1	—	—	—
4	8.94	3.5	32.7	8.94	3.5	32.7	—	—	—
5	13.18	4.4	34.4	13.18	4.4	34.4	—	—	—
6	18.57	11.0	41.4	18.57	11.0	41.4	—	—	—
8	23.23	14.7	42.7	23.23	14.7	42.7	—	—	—
9	28.49	6.7	42.5	28.49	6.7	42.5	—	—	—
11	32.69	5.8	40.7	32.69	5.8	40.7	—	—	—
Sales counter clerks									
1	7.35	4.2	30.1	7.34	4.2	30.1	—	—	—
2	6.05	2.5	29.1	6.05	2.5	29.2	—	—	—
3	6.40	2.8	27.7	6.40	2.8	27.7	—	—	—
4	7.48	4.4	30.8	7.48	4.4	30.8	—	—	—
5	12.21	5.6	37.5	12.20	5.7	37.5	—	—	—
5	11.03	7.2	39.6	11.03	8.3	39.6	—	—	—
Cashiers									
1	7.96	6.8	29.7	7.92	6.9	29.7	10.54	7.3	32.6
1	6.38	1.2	26.2	6.38	1.2	26.2	6.92	3.7	25.9
2	6.65	1.9	28.1	6.64	1.9	28.1	8.38	3.6	28.4
3	8.04	1.9	31.7	7.98	2.1	31.6	10.94	9.7	33.4
4	14.20	9.9	37.7	14.23	9.9	37.6	12.35	5.1	38.8
5	11.44	13.4	36.3	11.21	13.9	36.1	—	—	—
Street and door-to-door sales workers									
1	11.50	22.3	22.7	11.50	22.3	22.7	—	—	—
News vendors									
3	8.50	5.8	23.7	8.50	5.8	23.7	—	—	—
3	6.85	11.3	22.4	6.85	11.3	22.4	—	—	—
Demonstrators, promoters, and models, sales ..									
1	23.21	27.4	30.3	23.22	27.4	30.3	—	—	—
1	7.18	4.0	18.3	7.18	4.0	18.3	—	—	—
3	9.19	11.6	34.4	9.19	11.6	34.4	—	—	—
Sales support, n.e.c.									
1	11.97	5.2	35.3	11.96	5.2	35.3	—	—	—
1	6.98	3.2	27.6	6.98	3.2	27.6	—	—	—
2	7.29	4.8	23.9	7.29	4.8	23.9	—	—	—
3	8.12	4.3	29.9	8.12	4.3	29.9	—	—	—
4	10.85	10.3	38.8	10.85	10.3	38.8	—	—	—
5	13.71	8.9	42.4	13.70	9.0	42.4	—	—	—
6	14.64	5.0	40.3	14.64	5.0	40.3	—	—	—
7	20.06	3.7	41.4	20.06	3.7	41.4	—	—	—
8	20.96	4.3	39.1	20.96	4.3	39.1	—	—	—
Not able to be leveled	11.99	13.5	30.8	11.99	13.5	30.8	—	—	—
Administrative support, including clerical									
1	12.20	.9	36.1	12.17	1.1	36.0	12.37	.8	36.4
1	7.45	1.3	28.8	7.39	1.5	29.0	7.92	4.0	27.7
2	9.00	1.8	31.4	8.99	2.0	31.2	9.06	1.7	32.6
3	10.01	1.0	35.6	9.93	1.1	35.5	10.47	1.4	35.6

See footnotes at end of table.

TABLE 2-4. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1999—Continued

Occupation and level	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar—Continued									
Administrative support, including clerical—Continued									
4	\$11.80	0.8	37.1	\$11.79	0.9	37.1	\$11.86	1.0	37.1
5	14.40	2.5	38.3	14.49	3.0	38.5	13.98	1.3	37.4
6	15.29	1.1	38.8	15.55	1.3	38.9	14.27	1.7	38.5
7	17.64	1.4	38.9	17.77	1.6	38.9	17.11	2.2	38.7
8	20.80	2.8	39.8	21.28	2.7	39.8	17.32	5.3	39.4
9	21.53	3.0	40.7	21.44	3.2	40.8	22.44	4.3	38.9
10	28.80	7.0	39.1	28.80	7.0	39.1	—	—	—
11	31.23	7.7	37.8	31.67	7.9	37.9	—	—	—
Not able to be leveled	14.17	3.2	36.2	13.82	4.4	36.4	14.89	2.7	35.8
Supervisors, general office	16.35	3.2	39.8	16.32	3.7	39.9	16.54	3.1	39.0
4	10.47	6.4	39.7	10.36	6.6	39.7	—	—	—
5	14.11	3.7	39.3	13.88	3.9	39.4	15.88	7.5	38.2
6	14.87	4.8	39.2	14.93	5.5	39.3	14.57	6.1	39.2
7	15.43	7.0	39.7	14.90	8.1	39.8	17.24	4.5	39.2
8	19.04	5.2	39.9	19.57	4.9	40.0	16.19	4.4	39.5
9	20.59	4.0	42.5	20.36	4.1	42.9	22.95	7.1	38.9
10	34.27	8.6	38.6	34.27	8.6	38.6	—	—	—
11	28.18	12.3	37.7	—	—	—	—	—	—
Not able to be leveled	17.99	7.8	39.7	17.91	7.9	39.8	—	—	—
Supervisors, computer equipment operators	19.44	10.9	40.3	18.63	12.9	40.6	—	—	—
6	17.40	7.7	40.0	17.45	7.7	40.0	—	—	—
7	21.40	3.9	42.6	21.40	3.9	42.6	—	—	—
8	19.39	12.3	40.0	—	—	—	—	—	—
9	18.82	17.4	40.0	16.83	21.6	40.3	—	—	—
Supervisors, financial records processing	18.07	4.2	39.3	18.14	4.4	39.4	16.72	5.0	38.1
5	13.53	7.2	39.6	13.45	7.2	39.6	—	—	—
6	18.39	11.8	38.4	18.43	11.8	38.4	—	—	—
7	15.97	3.3	39.5	16.07	3.6	39.6	14.48	5.2	38.1
8	19.57	3.7	40.3	19.66	4.0	40.7	—	—	—
9	22.47	2.1	39.4	22.76	1.8	39.6	19.03	10.4	37.7
Chief communications operators	19.73	8.0	40.0	21.28	11.0	40.0	17.47	5.8	40.0
6	15.42	4.2	40.0	—	—	—	—	—	—
7	17.94	4.8	39.9	18.51	5.4	39.9	—	—	—
Supervisors, distribution, scheduling, and adjusting clerks	18.83	3.9	40.1	19.01	4.2	40.3	17.36	9.1	38.3
5	14.24	8.4	40.4	13.85	8.0	40.8	—	—	—
6	16.17	4.1	38.5	15.92	4.2	40.2	—	—	—
7	20.31	6.6	40.6	20.39	6.5	40.6	—	—	—
8	21.26	5.1	40.5	21.87	5.1	40.6	19.31	9.4	40.0
9	21.66	4.8	40.4	21.62	4.8	40.4	—	—	—
Computer operators	14.54	2.4	39.3	14.87	2.2	39.4	13.34	6.0	39.3
2	8.76	5.0	40.0	8.76	5.0	40.0	—	—	—
3	10.82	3.8	39.4	10.66	4.3	39.3	—	—	—
4	13.45	3.8	39.0	13.57	4.0	39.0	11.61	5.2	38.0
5	14.25	3.1	39.6	14.51	2.9	39.7	13.33	9.4	39.4
6	16.11	5.9	39.5	17.17	4.6	39.4	11.85	8.4	40.0
7	16.42	8.7	39.3	18.47	3.3	39.5	14.27	11.1	39.1
Not able to be leveled	16.15	8.6	40.0	—	—	—	—	—	—
Peripheral equipment operators	11.33	4.8	38.5	11.21	5.4	38.6	—	—	—
2	8.02	4.7	39.9	8.02	4.7	39.9	—	—	—
3	9.96	4.3	38.0	9.96	4.4	38.0	—	—	—
4	12.37	3.8	38.3	12.67	3.3	37.7	—	—	—
Secretaries	13.55	3.0	37.6	13.74	3.6	37.4	12.87	1.6	38.3
2	10.98	10.5	36.6	11.39	10.4	36.7	8.89	4.7	35.9
3	10.06	2.5	34.9	9.89	2.9	34.5	10.84	2.8	36.8
4	11.84	1.6	37.6	11.83	2.0	37.2	11.87	2.1	38.8
5	15.60	6.3	38.4	15.97	6.8	38.5	13.88	3.0	38.2
6	15.67	1.6	38.6	16.27	1.5	38.5	14.00	3.2	38.8
7	18.21	1.7	38.6	18.44	2.0	38.5	17.28	2.4	38.9

See footnotes at end of table.

TABLE 2-4. Selected occupations¹ and levels;² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1999—Continued

Occupation and level	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar—Continued									
Administrative support, including clerical—Continued									
Secretaries—Continued									
8	\$23.12	3.0	38.6	\$23.13	3.0	38.6	—	—	—
Not able to be leveled	15.14	5.9	39.5	17.20	6.9	39.0	\$13.87	1.7	39.8
Stenographers									
2	13.73	5.2	36.2	12.24	2.6	36.8	17.16	7.9	34.8
3	9.79	11.9	35.0	—	—	—	—	—	—
4	10.17	5.5	36.1	10.73	2.4	34.4	—	—	—
5	12.39	4.4	38.8	11.75	2.6	39.1	14.75	10.1	37.8
6	14.93	6.9	29.7	12.60	1.8	29.9	17.94	7.2	29.4
7	15.83	4.7	37.5	15.18	3.9	37.7	17.07	10.6	37.3
Typists									
2	25.70	11.7	38.2	—	—	—	29.59	10.5	37.9
3	12.29	2.0	36.2	12.41	3.6	35.6	12.19	1.9	36.7
4	10.58	5.0	34.3	9.37	4.3	35.1	11.70	6.5	33.6
5	11.46	2.5	35.9	11.26	5.0	33.0	11.57	2.9	37.7
6	12.09	3.5	36.5	12.19	6.8	37.7	11.99	2.7	35.4
7	14.53	3.3	37.9	15.48	5.7	36.5	13.76	3.1	39.0
Interviewers									
1	15.75	5.1	37.6	18.83	5.9	34.8	13.95	3.5	39.5
2	13.65	8.3	38.6	—	—	—	—	—	—
3	9.50	3.5	28.5	9.42	3.7	27.9	10.35	5.8	37.7
4	7.60	6.2	22.4	7.61	6.3	22.2	—	—	—
5	7.91	3.8	22.6	8.01	4.5	21.3	7.22	4.2	40.0
6	9.79	4.5	34.2	9.77	4.7	34.1	10.35	4.9	37.9
7	11.14	3.4	35.4	11.06	3.3	35.6	12.04	7.5	33.1
Hotel clerks									
1	11.53	3.0	37.8	11.45	4.2	37.0	11.69	4.5	39.4
2	11.90	7.1	40.0	11.90	7.1	40.0	—	—	—
3	8.73	3.7	36.2	8.73	3.7	36.2	—	—	—
4	6.61	2.2	28.7	6.61	2.2	28.7	—	—	—
Transportation ticket and reservation agents									
1	8.13	10.5	35.2	8.13	10.5	35.2	—	—	—
2	8.38	3.2	35.3	8.38	3.2	35.3	—	—	—
3	10.06	4.4	38.8	10.06	4.4	38.8	—	—	—
4	12.97	4.0	36.0	12.89	4.0	36.0	—	—	—
5	9.55	3.2	29.2	9.55	3.2	29.2	—	—	—
6	10.72	10.2	35.7	10.18	9.8	35.3	—	—	—
Receptionists									
1	12.59	5.1	35.8	12.58	5.1	35.8	—	—	—
2	15.03	2.7	35.2	15.03	2.7	35.2	—	—	—
3	15.07	6.5	39.5	15.07	6.5	39.5	—	—	—
4	9.74	2.4	33.2	9.73	2.4	33.2	10.31	4.9	35.4
5	7.13	3.6	28.3	7.13	3.7	28.4	7.54	3.8	26.9
6	8.73	3.1	29.4	8.73	3.2	29.3	8.77	5.2	34.4
7	10.01	3.0	36.8	9.99	3.1	36.8	10.69	5.8	36.6
8	11.48	4.5	36.0	11.45	4.6	36.0	13.18	7.2	35.7
9	15.97	11.1	34.4	16.03	11.1	34.4	—	—	—
Not able to be leveled	14.83	5.1	38.1	14.83	5.1	38.1	—	—	—
Information clerks, n.e.c.									
1	11.48	5.9	34.6	11.38	6.3	34.4	12.55	5.2	36.3
2	7.07	3.3	29.3	7.01	3.0	29.6	—	—	—
3	—	—	—	—	—	—	10.20	9.7	34.7
4	10.04	3.5	34.2	9.98	3.7	34.1	10.42	13.6	35.2
5	11.55	3.4	38.1	11.51	3.7	37.9	11.92	3.1	39.3
6	12.25	3.7	39.3	12.15	3.7	39.3	13.46	8.3	39.6
7	15.01	4.3	38.3	14.65	5.3	38.3	16.22	5.3	38.6
8	19.62	16.2	35.1	20.04	17.0	36.0	—	—	—
Classified ad clerks									
4	11.38	5.8	35.4	11.49	6.2	35.5	—	—	—
Correspondence clerks									
2	12.45	7.1	31.5	12.45	7.1	31.5	—	—	—
3	11.59	4.5	36.1	11.62	4.6	36.1	—	—	—
4	8.70	12.3	34.2	8.70	12.3	34.2	—	—	—
5	10.00	4.2	39.3	10.11	4.4	39.3	—	—	—
6	10.49	3.8	33.7	10.47	3.8	33.6	—	—	—
7	13.75	4.4	39.5	13.75	4.4	39.5	—	—	—
Order clerks									
1	12.37	2.4	37.2	12.34	2.4	37.1	15.83	8.6	38.5
2	8.07	11.1	34.7	8.07	11.1	34.7	—	—	—

See footnotes at end of table.

TABLE 2-4. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1999—Continued

Occupation and level	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar—Continued									
Administrative support, including clerical—Continued									
Order clerks—Continued									
2	\$8.57	3.1	30.6	\$8.57	3.1	30.6	—	—	—
3	10.37	2.6	35.1	10.36	2.6	35.1	—	—	—
4	12.30	3.9	39.3	12.26	4.0	39.3	\$16.99	8.2	39.5
5	14.13	3.7	39.6	14.10	3.8	39.6	—	—	—
6	15.99	4.8	38.6	15.98	4.9	38.6	—	—	—
7	18.78	3.6	39.6	18.77	3.6	39.6	—	—	—
Personnel clerks, except payroll and timekeeping									
2	13.09	2.5	38.5	13.06	2.5	39.0	13.15	6.6	37.0
3	8.81	3.4	39.4	8.93	3.5	40.0	—	—	—
4	9.53	4.8	38.9	9.46	4.2	39.1	—	—	—
5	11.64	3.2	37.0	11.84	2.6	38.8	11.15	6.2	33.2
6	13.52	6.6	39.1	13.52	7.4	39.1	13.53	6.0	39.4
7	14.59	5.9	38.7	14.48	7.1	38.4	14.95	8.4	39.8
8	16.87	6.0	39.7	18.27	4.1	39.5	15.39	8.2	40.0
Library clerks									
1	10.87	2.1	30.2	11.83	2.9	32.6	10.56	2.5	29.6
2	6.81	2.6	17.0	7.11	11.4	19.6	6.79	2.6	16.9
3	9.18	5.3	26.5	10.24	10.1	29.2	8.92	5.5	25.9
4	10.61	2.6	31.5	11.11	4.0	31.5	10.39	3.0	31.5
5	11.21	4.5	33.7	11.92	5.0	34.4	11.05	5.3	33.5
6	12.19	4.8	33.7	14.79	6.3	35.8	11.61	4.5	33.3
7	14.38	5.1	37.0	13.87	6.7	37.9	14.83	6.2	36.3
File clerks									
1	8.80	3.7	34.2	8.72	3.8	34.0	10.21	7.3	37.7
2	6.90	4.4	26.7	6.90	4.5	26.7	—	—	—
3	8.46	5.6	36.5	8.48	5.8	36.4	7.68	8.5	39.0
4	9.99	3.0	34.6	9.97	3.1	34.5	10.26	7.0	35.9
5	10.18	5.6	39.3	10.15	6.1	39.4	10.36	12.1	38.6
6	12.10	7.2	40.0	—	—	—	—	—	—
Records clerks, n.e.c.									
1	11.69	2.1	37.9	11.68	2.5	37.8	11.71	2.7	38.1
2	7.58	5.5	37.4	7.70	6.3	37.3	—	—	—
3	8.63	5.3	36.7	8.57	6.2	36.3	8.94	5.7	38.9
4	9.85	2.0	37.0	9.93	2.1	36.7	9.44	4.7	38.8
5	12.21	2.7	38.4	12.20	3.3	38.8	12.22	4.2	37.6
6	13.90	2.9	38.3	14.21	3.5	38.3	12.84	2.3	38.1
7	14.71	3.5	39.2	15.56	3.0	39.4	12.80	6.3	38.8
8	16.52	4.1	38.4	17.40	4.5	38.4	14.68	4.2	38.5
Bookkeepers, accounting and auditing clerks ...									
1	12.06	1.2	36.6	11.97	1.3	36.3	12.78	2.0	38.6
2	7.64	2.7	21.6	7.64	2.7	21.6	—	—	—
3	8.82	2.9	36.2	8.72	2.8	36.1	11.80	7.1	39.7
4	9.84	1.9	34.5	9.81	2.0	34.2	10.26	4.2	37.7
5	11.58	1.4	36.4	11.55	1.6	36.2	11.83	2.3	38.8
6	13.61	2.4	37.6	13.52	2.7	37.5	14.37	3.6	38.5
7	14.59	3.0	38.5	14.65	3.5	38.5	14.17	4.1	38.4
8	17.18	2.5	39.4	17.33	2.8	39.6	16.46	5.7	38.7
9	11.67	12.4	38.3	11.42	12.9	38.4	—	—	—
Not able to be leveled									
1	13.36	2.4	33.5	13.21	2.7	33.0	14.65	4.9	38.8
2	10.11	13.5	28.6	10.11	13.5	28.6	—	—	—
3	11.16	3.5	29.0	11.19	3.6	28.9	—	—	—
4	12.63	3.8	34.7	12.47	4.4	34.0	13.59	5.0	39.0
5	13.87	3.0	39.6	13.81	3.4	39.6	14.25	3.8	39.6
6	16.11	3.1	39.7	15.93	3.1	39.7	—	—	—
7	18.22	6.0	24.9	17.92	6.6	23.7	20.21	10.2	37.6
Billing clerks									
1	10.83	4.5	37.9	10.79	4.7	37.9	11.73	6.9	36.6
2	8.51	3.1	36.4	8.63	3.7	35.9	—	—	—
3	9.39	6.5	39.4	9.28	6.6	39.3	11.34	11.9	40.1
4	10.40	3.2	37.0	10.35	3.2	37.2	12.49	10.7	29.9
5	13.61	2.2	39.2	13.63	2.3	39.1	13.18	3.1	40.0
6	14.88	4.7	39.5	15.09	5.6	39.4	—	—	—
7	16.64	3.3	40.0	16.67	3.4	40.0	—	—	—

See footnotes at end of table.

TABLE 2-4. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1999—Continued

Occupation and level	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar—Continued									
Administrative support, including clerical—Continued									
Cost and rate clerks	\$15.61	14.4	40.0	\$15.61	14.4	40.0	—	—	—
4	12.18	5.0	39.9	12.18	5.0	39.9	—	—	—
5	14.41	4.3	39.9	14.41	4.3	39.9	—	—	—
Billing, posting, and calculating machine operators	9.83	4.4	34.6	9.83	4.4	34.6	—	—	—
2	9.35	6.0	28.2	9.35	6.0	28.2	—	—	—
3	9.64	3.4	32.8	9.64	3.4	32.8	—	—	—
5	12.65	4.9	38.5	12.65	4.9	38.5	—	—	—
Duplicating machine operators	10.46	4.7	37.1	10.76	3.7	35.9	\$9.90	9.5	39.6
1	8.69	3.5	39.6	8.26	6.0	39.6	—	—	—
2	9.82	11.7	35.0	9.82	11.7	35.0	—	—	—
3	10.21	5.2	36.7	10.77	3.1	35.3	9.16	4.8	39.5
4	11.80	2.9	36.4	—	—	—	—	—	—
Mail preparing and paper handling machine operators	9.74	6.2	35.2	9.74	6.2	35.2	—	—	—
2	9.16	12.7	36.5	9.16	12.7	36.5	—	—	—
3	10.50	5.7	38.5	10.50	5.7	38.5	—	—	—
Office machine operators, n.e.c.	8.62	3.9	37.7	8.56	3.9	38.0	—	—	—
1	7.21	5.2	37.6	7.21	5.2	37.6	—	—	—
2	7.80	4.5	38.2	7.80	4.5	38.2	—	—	—
3	9.10	6.2	35.2	8.86	6.0	36.3	—	—	—
Telephone operators	11.38	2.6	34.8	11.41	2.8	34.8	11.00	7.0	35.7
1	8.33	6.1	31.5	8.33	6.1	31.5	—	—	—
2	11.35	4.5	34.7	11.40	4.6	34.9	9.00	5.7	27.5
3	10.11	3.2	34.2	10.23	3.3	33.7	8.88	7.7	40.0
4	14.12	3.4	36.6	14.06	3.6	36.4	—	—	—
5	12.20	2.6	39.4	—	—	—	—	—	—
Communications equipment operators, n.e.c.	10.86	4.6	26.2	10.32	6.5	24.0	11.98	6.1	32.3
4	11.84	4.4	38.9	—	—	—	—	—	—
Mail clerks, except postal service	9.31	4.2	36.6	9.32	4.5	36.4	9.06	8.0	39.2
1	7.65	2.9	35.6	7.65	3.1	35.4	—	—	—
2	9.31	2.9	35.3	9.35	3.1	35.1	—	—	—
3	10.03	7.2	37.7	9.97	7.7	37.6	10.85	5.5	38.6
4	11.85	5.8	38.5	11.82	6.1	38.5	—	—	—
5	15.06	14.7	38.0	15.06	14.7	38.0	—	—	—
Messengers	8.70	6.1	30.4	8.56	6.4	30.1	10.37	9.6	33.9
1	7.80	8.9	30.5	7.67	9.1	30.4	9.79	10.7	33.3
2	8.07	8.1	22.2	8.08	8.8	21.7	7.96	7.2	30.1
3	8.89	12.1	38.8	8.41	10.7	39.2	—	—	—
4	12.81	5.4	34.1	12.88	5.5	34.0	—	—	—
Dispatchers	13.21	3.5	38.7	12.65	4.3	39.0	13.91	4.6	38.3
2	9.22	9.1	37.7	8.12	11.2	38.9	10.62	6.1	36.3
3	10.76	5.1	33.9	10.35	5.9	34.2	11.37	9.6	33.3
4	11.78	3.1	39.2	11.81	3.7	39.4	11.73	5.9	38.9
5	14.28	4.2	39.9	14.79	7.9	40.4	13.85	4.5	39.6
6	15.15	4.0	40.2	15.50	5.0	41.3	14.87	5.7	39.3
7	19.17	6.3	39.2	16.60	10.3	40.5	20.05	6.2	38.8
Production coordinators	14.96	5.6	39.4	14.94	5.7	39.4	17.94	15.6	39.8
3	10.82	5.1	37.8	10.82	5.1	37.8	—	—	—
4	12.84	4.5	39.3	12.86	4.6	39.3	—	—	—
5	15.56	3.4	40.0	15.58	3.5	40.0	—	—	—
6	16.98	5.9	39.7	16.93	6.0	39.7	—	—	—
7	18.91	3.0	40.1	18.91	3.0	40.1	—	—	—
8	23.70	5.9	40.8	23.54	6.3	40.9	—	—	—
Traffic, shipping and receiving clerks	11.36	2.8	37.9	11.34	2.8	37.9	13.46	4.7	38.2
1	7.21	6.4	39.2	7.21	6.4	39.2	—	—	—
2	9.47	3.8	30.0	9.47	3.8	30.0	—	—	—
3	9.59	3.7	38.6	9.58	3.7	38.6	—	—	—
4	12.36	3.3	39.0	12.38	3.4	39.0	—	—	—

See footnotes at end of table.

TABLE 2-4. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1999—Continued

Occupation and level	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar—Continued									
Administrative support, including clerical—Continued									
Traffic, shipping and receiving clerks—Continued									
5	\$15.17	4.6	39.8	\$15.17	4.9	39.9	—	—	—
6	16.89	3.0	38.7	16.89	3.0	38.7	—	—	—
7	17.20	4.9	40.2	17.20	4.9	40.2	—	—	—
Stock and inventory clerks	11.20	2.2	36.0	11.08	2.4	35.8	\$12.34	3.6	38.9
1	8.19	5.8	29.4	8.32	6.1	28.2	7.44	2.2	39.7
2	7.67	5.1	30.5	7.64	5.3	30.1	8.27	4.8	37.9
3	10.24	2.8	35.5	10.21	3.0	35.3	10.77	8.8	38.9
4	11.88	2.6	39.1	11.73	2.8	39.1	13.02	4.3	39.0
5	14.37	2.6	39.5	14.38	2.8	39.6	14.33	7.8	38.8
6	15.61	3.7	39.6	15.60	4.1	39.8	—	—	—
7	17.24	5.0	39.9	17.38	5.7	39.9	16.43	9.1	39.4
Meter readers	14.75	3.0	39.6	14.97	3.6	39.8	14.18	5.4	39.0
1	14.21	10.4	39.1	—	—	—	—	—	—
2	12.50	12.5	40.0	12.66	14.7	40.0	—	—	—
3	14.43	3.8	38.8	14.84	4.0	39.4	13.68	7.2	37.8
4	15.10	5.0	40.0	15.53	5.5	40.0	12.59	8.4	40.0
5	15.16	11.5	40.0	16.59	14.1	40.0	—	—	—
6	16.58	9.5	40.0	—	—	—	—	—	—
Weighers, measurers, checkers, and samplers	13.81	6.8	36.1	13.80	7.2	38.5	—	—	—
2	10.47	8.7	27.9	10.69	8.5	36.3	—	—	—
3	16.20	8.8	37.4	16.36	9.2	40.0	—	—	—
Expeditors	11.94	4.4	38.3	11.94	4.4	38.3	—	—	—
3	10.86	5.3	36.8	10.86	5.3	36.8	—	—	—
4	10.73	7.4	39.2	10.73	7.4	39.2	—	—	—
5	13.35	5.6	39.2	13.35	5.6	39.2	—	—	—
Material recording, scheduling, and distribution clerks, n.e.c.	12.25	8.9	37.3	12.19	9.1	37.2	15.18	8.8	40.0
1	7.28	7.1	33.1	7.28	7.1	33.1	—	—	—
2	8.16	3.4	36.5	8.16	3.4	36.5	—	—	—
3	10.82	9.7	38.7	10.82	9.7	38.7	—	—	—
4	10.86	3.9	34.7	10.76	3.9	34.6	—	—	—
5	15.45	5.0	39.8	15.35	5.0	39.7	—	—	—
6	16.16	8.5	40.0	16.04	9.3	40.0	—	—	—
7	21.95	6.1	40.1	21.95	6.1	40.1	—	—	—
Insurance adjusters, examiners, and investigators	16.70	2.4	38.1	16.72	2.4	38.1	15.18	8.1	40.0
3	10.73	3.3	38.8	10.75	3.3	38.8	—	—	—
4	12.66	4.0	37.3	12.66	4.0	37.3	—	—	—
6	15.04	2.5	39.0	15.04	2.5	39.0	—	—	—
7	18.96	2.5	39.0	18.95	2.5	39.0	—	—	—
8	25.37	3.6	38.8	25.37	3.6	38.8	—	—	—
9	25.48	5.5	38.0	25.64	5.5	37.9	—	—	—
10	25.65	7.9	38.3	25.65	7.9	38.3	—	—	—
11	37.92	10.6	37.2	37.92	10.6	37.2	—	—	—
Investigators and adjusters, except insurance ...	12.59	2.4	38.6	12.53	2.5	38.6	15.41	5.5	38.4
1	7.22	3.7	33.7	7.28	3.6	34.3	—	—	—
2	8.53	8.9	39.1	8.53	9.0	39.1	—	—	—
3	9.09	2.4	35.8	9.08	2.4	35.9	—	—	—
4	12.36	3.4	39.1	12.35	3.4	39.1	13.09	9.0	40.0
5	13.53	3.7	39.0	13.49	3.7	39.0	14.86	6.6	39.3
6	15.74	3.3	39.9	15.76	3.4	39.9	—	—	—
7	17.33	3.0	39.0	17.21	3.2	38.9	18.40	9.4	40.0
8	19.49	9.4	39.8	19.49	9.4	39.8	—	—	—
Not able to be leveled	12.60	12.6	39.0	12.60	12.6	39.0	—	—	—
Eligibility clerks, social welfare	14.31	4.8	38.7	14.45	9.8	39.0	14.19	2.0	38.5
3	9.79	4.4	35.0	9.46	6.9	33.4	10.31	2.6	37.9
4	—	—	—	—	—	—	11.82	4.7	39.1

See footnotes at end of table.

TABLE 2-4. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1999—Continued

Occupation and level	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar—Continued									
Administrative support, including clerical—Continued									
Eligibility clerks, social welfare—Continued									
5	\$13.96	5.8	39.5	\$12.47	5.6	40.7	\$14.49	7.4	39.0
6	14.45	1.9	38.8	—	—	—	14.34	1.9	38.8
7	15.40	4.2	39.2	—	—	—	15.82	3.8	39.2
Bill and account collectors	11.90	3.9	37.8	11.83	4.1	37.8	13.55	4.0	39.7
2	10.34	13.3	38.5	10.34	13.4	38.5	—	—	—
3	9.92	5.6	35.3	9.91	5.7	35.3	—	—	—
4	10.48	6.0	37.8	10.44	6.0	37.8	—	—	—
5	13.88	4.7	39.7	13.82	5.4	39.8	14.27	3.7	39.4
6	15.22	7.6	39.5	15.67	8.0	39.4	—	—	—
7	15.70	3.4	38.1	15.67	3.5	38.1	—	—	—
General office clerks	11.14	1.3	34.1	10.93	1.7	33.3	11.84	1.5	37.1
1	7.11	3.6	25.8	7.23	3.6	26.1	6.47	10.0	24.2
2	9.12	4.4	27.9	9.08	5.1	27.2	9.47	2.5	34.5
3	10.33	3.8	36.7	10.27	4.8	36.5	10.57	2.5	37.6
4	11.93	1.5	35.8	11.88	2.0	35.0	12.06	1.5	38.1
5	13.38	2.9	38.7	13.10	3.9	38.9	14.03	2.6	38.3
6	14.86	3.4	38.5	15.60	4.3	37.6	13.81	4.7	39.8
7	17.04	2.5	38.8	17.28	3.0	38.7	16.08	3.8	39.1
Not able to be leveled	14.47	7.9	35.2	12.29	9.2	38.2	—	—	—
Bank tellers	9.22	2.2	32.6	9.22	2.2	32.6	—	—	—
1	7.79	5.2	26.3	7.79	5.2	26.3	—	—	—
2	7.90	2.3	31.6	7.90	2.3	31.6	—	—	—
3	9.48	3.2	31.5	9.48	3.2	31.5	—	—	—
4	9.98	2.6	36.5	9.98	2.6	36.5	—	—	—
5	11.84	4.5	35.6	11.84	4.5	35.6	—	—	—
6	13.50	4.8	39.4	13.50	4.8	39.4	—	—	—
Proofreaders	13.42	13.8	37.4	11.05	6.4	36.6	—	—	—
3	8.73	4.3	32.1	8.73	4.3	32.1	—	—	—
4	10.03	7.6	36.7	10.03	7.6	36.7	—	—	—
Data entry keyers	10.55	2.1	36.4	10.41	2.4	36.0	11.38	3.2	39.2
1	8.57	6.9	24.4	7.72	3.0	18.8	—	—	—
2	9.40	3.5	35.4	9.33	3.8	35.1	10.24	5.2	39.2
3	10.34	3.2	37.5	10.14	3.6	37.3	11.74	3.7	38.7
4	12.00	3.9	37.9	11.99	4.9	37.5	12.01	7.5	39.7
5	13.33	5.9	39.8	13.98	5.0	39.8	—	—	—
Statistical clerks	11.39	4.4	38.6	11.55	5.4	38.6	10.45	5.1	38.9
2	10.73	9.8	32.4	10.29	10.4	31.7	—	—	—
4	13.79	5.8	37.9	14.94	4.6	37.4	10.14	6.2	39.5
5	11.66	7.6	36.8	14.27	3.5	35.0	—	—	—
6	13.98	13.5	39.5	13.98	13.5	39.5	—	—	—
Teachers' aides	9.76	2.0	30.8	8.81	4.9	30.8	9.83	2.2	30.8
1	8.15	3.3	29.4	5.96	4.0	23.1	8.36	3.2	30.2
2	8.61	2.5	30.7	8.51	7.1	27.7	8.62	2.6	30.8
3	9.36	2.4	31.9	8.19	7.9	27.8	9.41	2.5	32.1
4	10.22	2.7	30.3	8.38	4.9	33.4	10.54	2.5	29.8
5	14.47	4.5	27.6	11.38	17.9	36.9	14.76	4.1	26.9
6	14.30	7.2	30.2	10.89	6.7	32.5	14.59	7.3	30.0
7	13.88	14.1	35.9	—	—	—	14.52	14.7	34.5
Administrative support, n.e.c.	11.74	1.8	36.3	11.50	2.0	36.3	12.96	2.3	36.1
1	6.82	4.3	25.0	6.64	4.1	25.9	8.39	8.1	19.5
2	9.05	6.8	32.1	9.00	7.4	32.5	9.57	5.0	27.7
3	9.33	3.0	35.0	9.15	3.2	35.2	10.68	5.8	33.9
4	11.53	2.2	37.7	11.53	2.6	37.7	11.51	2.5	37.9
5	12.84	2.6	38.2	12.66	3.0	38.3	13.54	2.4	38.1
6	14.89	2.1	39.1	15.08	2.4	39.1	14.13	5.2	39.2
7	18.13	2.8	38.7	18.20	3.7	39.2	17.96	2.7	37.3
Not able to be leveled	13.83	6.7	35.1	13.01	9.4	35.1	15.37	4.8	35.2

See footnotes at end of table.

TABLE 2-4. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1999—Continued

Occupation and level	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
Blue collar	\$13.03	1.0	38.2	\$12.93	1.1	38.3	\$15.02	1.2	37.5
1	7.78	1.3	33.2	7.74	1.3	33.1	9.70	5.1	36.0
2	8.86	1.7	37.8	8.81	1.7	37.9	10.77	2.7	34.8
3	11.42	1.7	38.6	11.40	1.8	38.8	12.10	2.6	33.4
4	12.83	1.3	39.4	12.78	1.3	39.6	13.65	2.8	36.8
5	14.73	3.0	39.6	14.75	3.1	39.7	14.41	1.6	38.4
6	16.20	1.3	40.3	16.24	1.4	40.3	15.63	3.1	39.7
7	19.22	1.3	39.8	19.28	1.4	39.8	18.64	1.9	39.8
8	23.17	1.9	39.9	23.30	2.0	39.9	21.45	3.5	39.7
9	24.10	1.8	40.1	24.14	1.9	40.1	23.51	3.8	39.9
10	29.57	6.0	40.9	29.67	6.2	41.0	—	—	—
11	32.11	2.5	39.6	32.16	2.8	39.8	—	—	—
Not able to be leveled	16.89	6.4	38.6	16.44	6.4	38.6	19.54	18.8	38.6
Precision production, craft, and repair	16.51	1.2	39.6	16.47	1.3	39.6	17.06	1.7	39.8
1	8.42	4.2	38.3	8.42	4.2	38.3	—	—	—
2	9.13	2.9	37.8	9.12	3.0	37.7	9.46	6.9	40.0
3	9.80	1.8	39.0	9.75	1.8	38.9	11.32	3.4	39.8
4	12.57	2.7	39.7	12.58	2.8	39.7	12.39	4.3	39.5
5	14.77	5.1	39.5	14.81	5.3	39.5	13.98	2.5	39.6
6	16.35	1.6	39.8	16.38	1.7	39.8	15.99	2.7	39.8
7	19.44	1.5	39.8	19.50	1.6	39.8	18.76	2.1	39.9
8	23.38	2.1	39.8	23.53	2.2	39.8	21.39	3.9	39.7
9	24.00	1.7	40.0	24.00	1.8	40.0	24.11	4.5	39.9
10	29.71	6.1	41.0	29.80	6.3	41.0	—	—	—
11	32.11	2.5	39.6	32.16	2.8	39.8	—	—	—
Not able to be leveled	20.25	7.3	39.5	20.06	6.7	39.4	21.44	30.5	39.8
Supervisors, mechanics and repairers	21.03	2.5	40.7	21.04	2.8	40.7	20.93	4.0	39.9
5	13.83	2.2	41.2	13.83	2.2	41.2	—	—	—
6	17.31	6.5	40.9	17.01	7.0	41.0	21.06	9.8	39.8
7	19.20	3.4	40.2	19.25	3.9	40.2	18.93	5.3	39.8
8	23.80	2.2	40.7	23.91	2.3	40.7	22.52	5.1	39.9
9	25.25	3.1	41.3	25.23	3.3	41.4	25.49	6.6	40.0
10	33.48	11.9	40.3	33.48	11.9	40.3	—	—	—
Not able to be leveled	28.39	14.3	40.0	28.39	14.3	40.0	—	—	—
Automobile mechanics	15.26	4.6	40.2	14.94	4.7	40.2	18.36	9.1	39.8
4	13.38	7.4	41.7	13.93	6.0	41.9	—	—	—
5	12.83	4.3	40.1	12.88	4.5	40.1	11.82	5.0	40.0
6	17.04	6.5	40.5	17.00	7.1	40.7	17.39	5.2	38.8
7	16.56	8.0	40.3	16.02	8.5	40.3	19.87	9.3	39.9
8	21.44	3.2	40.0	—	—	—	—	—	—
Automobile mechanic apprentices	11.22	10.5	36.7	11.17	10.8	36.6	—	—	—
5	14.72	18.0	29.5	14.82	19.3	28.8	—	—	—
Bus, truck, and stationary engine mechanics	14.30	6.8	39.6	14.04	7.2	39.6	17.01	2.1	40.0
4	11.97	4.4	40.0	11.73	4.5	40.0	—	—	—
5	12.63	3.6	37.9	12.46	3.6	37.8	15.71	6.5	40.0
6	13.06	7.0	40.5	12.51	7.3	40.6	16.22	5.9	40.0
7	15.43	12.5	40.0	15.20	13.5	40.0	17.78	1.7	39.9
Aircraft engine mechanics	21.19	4.9	40.0	21.20	4.9	40.0	—	—	—
5	15.58	4.4	40.0	15.21	5.0	40.0	—	—	—
6	15.99	6.6	40.0	15.99	6.6	40.0	—	—	—
7	21.72	5.8	40.0	21.72	5.8	40.0	—	—	—
Small engine repairers	11.60	6.7	39.7	11.57	7.0	39.7	12.25	5.9	40.0
5	12.33	5.3	39.5	12.29	5.4	39.5	—	—	—
Automobile body and related repairers	16.86	9.2	40.7	16.85	9.3	40.7	—	—	—
5	15.00	8.3	40.0	15.00	8.3	40.0	—	—	—
6	19.06	11.9	39.3	19.09	12.0	39.3	—	—	—
7	24.76	19.6	43.5	24.85	19.8	43.6	—	—	—
Aircraft mechanics, except engine	20.61	3.4	40.1	20.61	3.4	40.1	—	—	—
5	14.60	7.9	40.0	14.60	7.9	40.0	—	—	—
7	20.99	2.1	40.0	20.99	2.1	40.0	—	—	—
8	23.90	4.9	40.3	23.90	4.9	40.3	—	—	—
Heavy equipment mechanics	17.53	3.8	40.0	17.82	4.5	40.0	16.34	8.8	40.0

See footnotes at end of table.

TABLE 2-4. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1999—Continued

Occupation and level	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
Blue collar—Continued									
Precision production, craft, and repair—Continued									
Heavy equipment mechanics—Continued									
4	\$12.51	6.2	40.0	\$12.51	6.2	40.0	—	—	—
5	12.05	4.8	40.0	12.75	3.0	40.0	\$10.40	10.1	40.0
6	18.07	12.3	40.0	18.78	14.2	40.0	15.24	8.7	39.8
7	19.47	2.6	40.0	19.55	3.1	40.0	19.12	3.2	40.0
8	21.91	5.1	40.0	21.26	3.6	40.0	—	—	—
Farm equipment mechanics									
7	12.40	8.9	40.7	12.41	9.0	40.7	—	—	—
7	13.67	12.8	41.4	13.72	13.3	41.5	—	—	—
Industrial machinery repairers									
3	17.17	2.0	39.9	17.15	2.0	39.9	18.69	7.0	39.9
4	11.28	3.4	39.8	11.23	3.5	39.8	—	—	—
4	12.29	4.9	39.8	12.28	4.9	39.8	—	—	—
5	14.27	3.3	40.0	14.27	3.4	40.0	14.39	9.9	40.0
6	16.22	2.1	40.0	16.22	2.1	40.0	—	—	—
7	19.02	2.3	39.8	18.99	2.3	39.8	21.93	5.5	39.9
8	20.61	3.5	40.0	20.61	3.5	40.0	—	—	—
9	20.87	3.3	40.0	20.87	3.3	40.0	—	—	—
Machinery maintenance									
2	13.61	4.7	38.0	13.60	4.8	38.0	13.86	14.8	38.1
2	8.98	6.0	39.3	8.88	6.5	39.3	—	—	—
3	9.91	10.3	31.2	9.91	10.3	31.2	—	—	—
4	12.34	6.9	39.7	12.46	6.6	39.7	—	—	—
5	14.59	6.2	39.8	14.65	6.4	40.0	—	—	—
6	15.34	8.7	39.8	15.14	9.2	39.8	—	—	—
7	18.53	3.7	39.9	18.55	3.8	39.9	—	—	—
8	17.66	5.2	40.0	—	—	—	—	—	—
Electronic repairers, communications and industrial equipment									
3	18.61	3.7	37.3	18.64	3.8	37.3	17.76	6.2	39.0
3	9.53	3.3	36.5	9.53	3.3	36.5	—	—	—
4	11.90	2.5	39.6	11.78	2.4	39.6	—	—	—
5	16.88	4.8	39.9	16.99	4.9	40.0	—	—	—
6	15.65	7.5	40.0	15.76	8.1	40.0	—	—	—
7	20.63	5.7	37.1	20.69	6.0	37.0	19.53	6.5	39.1
8	19.37	4.2	40.0	19.37	4.2	40.0	—	—	—
9	23.95	3.9	26.6	23.95	3.9	26.6	—	—	—
Data processing equipment repairers									
6	15.63	5.7	36.3	15.59	6.1	36.1	16.19	3.8	40.0
6	12.00	9.3	39.9	11.88	9.5	39.9	—	—	—
7	17.76	4.4	37.7	17.90	4.8	37.5	—	—	—
Household appliance and power tool repairers									
5	12.46	10.2	40.0	12.46	10.2	40.0	—	—	—
7	11.65	6.9	40.0	11.65	6.9	40.0	—	—	—
7	19.97	9.2	40.0	19.97	9.2	40.0	—	—	—
Telephone line installers and repairers									
5	19.65	4.1	39.9	19.83	4.1	39.9	—	—	—
5	20.34	6.2	40.0	20.90	5.5	40.0	—	—	—
7	21.29	1.4	39.7	21.29	1.4	39.7	—	—	—
Telephone installers and repairers									
4	18.21	3.8	40.0	18.11	3.8	40.0	—	—	—
4	14.18	4.0	40.0	14.18	4.0	40.0	—	—	—
6	14.79	11.5	40.0	14.79	11.5	40.0	—	—	—
7	20.97	2.4	40.0	20.83	2.4	40.0	—	—	—
Heating, air conditioning, and refrigeration mechanics									
3	15.09	3.0	39.8	14.97	3.6	39.9	15.72	4.1	39.6
3	11.57	7.5	40.0	—	—	—	—	—	—
4	11.21	4.6	40.1	11.85	4.3	40.0	—	—	—
5	13.00	4.0	39.8	12.66	3.7	39.8	15.32	9.9	40.0
6	15.18	6.7	39.7	15.16	7.0	39.7	15.65	2.9	39.4
7	17.15	2.8	39.8	17.49	3.8	40.0	16.29	3.0	39.4
Camera, watch, and musical instrument repairers									
7	17.75	12.9	40.0	17.75	12.9	40.0	—	—	—
7	19.15	21.0	40.0	19.15	21.0	40.0	—	—	—
Locksmiths and safe repairers									
7	16.90	5.7	40.0	—	—	—	—	—	—
7	17.39	5.0	40.0	—	—	—	—	—	—
Office machine repairers									
5	14.67	8.0	40.3	14.58	8.1	40.3	—	—	—
5	12.29	5.8	40.0	12.29	5.8	40.0	—	—	—

See footnotes at end of table.

TABLE 2-4. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1999—Continued

Occupation and level	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
Blue collar—Continued									
Precision production, craft, and repair—Continued									
Office machine repairers—Continued									
7	\$18.82	3.9	40.7	\$18.72	3.8	40.7	—	—	—
Mechanical controls and valve repairers	16.38	14.4	39.7	16.11	17.3	40.0	\$17.73	5.6	38.4
5	17.30	4.4	38.3	17.59	2.6	40.0	17.10	7.4	37.2
6	17.49	4.4	40.0	—	—	—	—	—	—
7	20.43	5.1	40.0	20.71	5.5	40.0	19.25	10.3	40.0
Elevator installers and repairers									
8	27.49	7.3	40.0	—	—	—	—	—	—
Millwrights	17.68	5.2	40.1	17.73	5.3	40.1	—	—	—
7	20.14	3.5	40.2	20.32	3.5	40.2	—	—	—
Mechanics and repairers, n.e.c.									
2	—	—	—	—	—	—	14.85	3.3	39.8
3	9.34	16.0	39.9	9.35	16.6	39.9	—	—	—
4	9.53	4.4	39.7	9.35	5.0	39.7	10.22	6.5	39.9
5	—	—	—	—	—	—	11.05	4.7	39.5
6	—	—	—	—	—	—	13.38	4.4	39.9
7	15.65	3.9	39.8	15.78	4.5	39.9	14.94	4.9	39.7
8	18.50	2.2	39.2	18.68	2.7	39.1	17.65	2.9	39.8
9	21.93	3.4	39.9	21.88	3.4	39.9	—	—	—
Not able to be leveled	22.84	3.4	40.0	22.25	2.9	40.0	—	—	—
Supervisors, brickmasons, stonemasons, and tilesetters	19.96	12.8	39.3	23.05	10.6	39.0	—	—	—
Supervisors, carpenters and related workers	19.97	11.0	40.0	23.30	3.6	40.0	—	—	—
7	23.51	8.2	40.1	23.67	8.3	40.1	—	—	—
8	21.35	4.9	40.0	21.39	4.9	40.0	—	—	—
9	30.34	19.7	40.0	31.72	18.8	40.0	—	—	—
Supervisors, electricians and power transmission installers	26.08	3.9	40.5	26.08	3.9	40.5	—	—	—
7	24.66	3.4	40.1	24.89	3.4	40.1	22.79	12.3	40.0
8	21.88	5.5	40.3	22.56	5.5	40.3	18.79	11.4	40.0
9	24.30	6.5	40.0	24.42	6.7	40.0	—	—	—
Supervisors, painters, paperhangers, and plasterers	26.53	4.6	39.8	26.26	4.8	39.8	29.36	8.2	40.1
7	17.70	5.4	40.3	17.68	5.4	40.3	—	—	—
Supervisors, plumbers, pipefitters, and steamfitters	16.74	5.4	40.4	16.74	5.4	40.4	—	—	—
7	25.56	6.8	40.0	25.97	7.7	40.0	24.03	14.2	40.0
8	27.17	5.1	40.0	—	—	—	25.66	11.8	40.0
9	22.99	14.7	40.0	23.63	16.0	40.0	—	—	—
Supervisors, construction trades, n.e.c.	29.19	5.1	40.0	29.40	4.9	40.0	—	—	—
5	19.75	4.4	40.2	20.55	5.1	40.2	17.21	6.2	39.9
6	15.69	3.9	40.0	15.94	3.7	40.0	13.70	9.3	40.0
7	14.93	6.3	40.2	15.79	4.3	40.3	13.61	10.0	40.0
8	19.82	7.4	40.2	21.13	8.0	40.3	15.58	5.4	39.9
9	24.01	9.1	40.3	24.51	11.6	40.4	22.48	5.4	39.9
Brickmasons and stonemasons	22.07	6.2	39.8	21.99	6.5	39.8	22.43	12.8	40.1
6	20.33	10.5	39.2	20.69	10.9	39.1	—	—	—
7	20.21	16.9	36.2	20.23	16.9	36.2	—	—	—
Brickmason and stonemason apprentices	20.97	12.6	40.0	21.68	12.9	40.0	—	—	—
Carpet installers	11.13	11.4	40.0	11.13	11.4	40.0	—	—	—
Carpenters	18.70	9.6	39.7	18.82	9.7	39.7	—	—	—
3	17.25	3.6	40.0	17.22	3.9	40.0	17.78	6.3	39.5
4	11.92	7.2	40.0	11.92	7.2	40.0	—	—	—
5	10.59	7.2	39.8	10.58	7.5	39.8	—	—	—
6	13.50	5.8	39.8	13.58	6.0	39.8	11.95	5.4	38.5
7	17.02	5.5	39.6	17.15	5.4	39.6	—	—	—
8	19.65	3.6	40.2	19.69	3.9	40.2	19.09	6.1	40.0
Carpenter apprentices	20.52	4.5	39.5	19.73	4.1	40.0	—	—	—
4	12.88	6.3	40.6	12.88	6.3	40.6	—	—	—
5	14.04	6.1	41.0	14.04	6.1	41.0	—	—	—
	13.31	4.8	40.0	13.31	4.8	40.0	—	—	—

See footnotes at end of table.

TABLE 2-4. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1999—Continued

Occupation and level	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
Blue collar—Continued									
Precision production, craft, and repair—Continued									
Drywall installers	\$19.72	10.9	39.0	\$19.72	10.9	39.0	—	—	—
5	13.23	2.5	40.0	13.23	2.5	40.0	—	—	—
6	14.74	6.6	39.7	14.74	6.6	39.7	—	—	—
7	23.54	5.4	38.4	23.54	5.4	38.4	—	—	—
Electricians	19.12	5.0	39.8	19.12	5.5	39.8	\$19.09	4.4	39.8
4	12.72	8.3	40.0	11.56	2.6	40.0	—	—	—
5	11.66	5.6	40.0	11.56	5.6	40.0	15.30	4.3	39.0
6	15.90	4.3	39.9	15.91	4.4	39.9	15.43	10.2	40.0
7	21.81	4.3	39.6	22.14	4.7	39.6	19.27	5.2	39.9
8	22.52	4.5	40.0	22.66	4.6	40.0	21.88	11.9	39.7
9	27.47	4.0	39.9	27.72	3.9	40.0	—	—	—
Electrician apprentices	12.39	4.8	40.0	12.31	4.8	40.0	—	—	—
2	10.56	7.0	40.0	10.56	7.0	40.0	—	—	—
3	10.16	4.4	40.0	10.16	4.4	40.0	—	—	—
4	11.36	4.2	40.0	11.24	3.9	40.0	—	—	—
5	17.03	8.6	40.0	16.91	8.8	40.0	—	—	—
Electrical power installers and repairers	22.57	2.6	40.0	22.86	2.8	40.0	21.17	5.7	40.0
5	16.02	13.5	40.0	16.47	15.2	40.0	13.88	10.1	40.0
6	18.39	5.0	40.0	18.88	5.1	40.0	—	—	—
7	23.86	1.8	40.0	23.91	2.0	40.0	23.58	3.1	40.0
8	23.70	3.2	40.0	24.71	2.9	40.0	—	—	—
9	27.16	3.4	40.0	27.39	3.7	40.0	—	—	—
Painters, construction and maintenance	13.59	5.7	39.5	13.26	6.0	39.5	17.00	6.3	39.3
2	7.63	12.6	40.0	7.63	12.6	40.0	—	—	—
3	10.62	4.1	40.0	10.61	4.2	40.0	—	—	—
4	10.35	8.6	39.0	10.31	8.9	38.9	—	—	—
5	12.48	4.6	39.6	12.42	4.8	39.7	13.63	7.4	38.9
6	23.05	6.9	38.9	23.10	7.2	39.0	—	—	—
7	19.03	8.2	39.8	18.81	11.3	39.9	19.53	4.6	39.4
Plasterers	18.33	19.2	40.0	—	—	—	—	—	—
Plumbers, pipefitters and steamfitters	20.37	5.6	39.4	20.59	6.0	39.4	17.71	5.0	39.8
4	11.76	4.7	40.0	—	—	—	—	—	—
5	15.62	7.2	40.0	15.66	7.9	40.0	15.27	7.3	40.0
6	15.75	8.2	39.9	15.03	7.3	40.0	21.10	9.1	38.9
7	20.69	4.6	40.0	20.94	4.9	40.0	17.74	5.6	39.9
8	31.12	8.9	35.7	31.23	8.8	35.6	—	—	—
9	25.27	4.2	39.4	25.27	4.2	39.4	—	—	—
Plumber, pipefitter, and steamfitter apprentices	17.28	14.3	39.8	17.31	14.7	39.8	16.45	5.4	40.0
3	9.74	6.2	40.0	9.74	6.2	40.0	—	—	—
4	12.68	7.0	40.0	12.71	7.1	40.0	—	—	—
5	13.10	13.8	39.2	12.73	14.9	39.2	—	—	—
Concrete and terrazzo finishers	15.47	13.2	37.6	15.42	13.4	37.6	—	—	—
5	13.49	5.2	40.0	13.49	5.2	40.0	—	—	—
7	20.93	3.9	39.8	21.09	4.0	39.8	—	—	—
Glaziers	14.17	4.8	38.4	13.30	2.5	38.1	—	—	—
5	13.57	4.0	39.3	13.57	4.0	39.3	—	—	—
Insulation workers	15.13	10.1	37.9	15.13	10.1	37.9	—	—	—
5	15.27	7.1	40.0	15.35	8.0	40.0	—	—	—
7	16.82	15.6	40.0	16.82	15.6	40.0	—	—	—
Paving, surfacing, and tamping equipment operators	11.93	11.8	40.0	11.66	14.1	40.0	13.13	1.2	40.0
5	12.28	5.6	40.1	—	—	—	—	—	—
Roofers	16.56	14.5	37.5	16.56	14.5	37.5	—	—	—
5	14.00	6.9	40.0	14.00	6.9	40.0	—	—	—
6	15.19	5.2	40.0	15.19	5.2	40.0	—	—	—
7	25.65	13.0	36.0	25.65	13.0	36.0	—	—	—
Sheetmetal duct installers	18.67	11.4	39.6	18.67	11.4	39.6	—	—	—
6	22.77	11.3	40.0	22.77	11.3	40.0	—	—	—
Structural metal workers	16.05	5.0	39.7	15.81	5.0	39.7	—	—	—
5	13.03	3.7	39.3	13.03	3.7	39.3	—	—	—

See footnotes at end of table.

TABLE 2-4. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1999—Continued

Occupation and level	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
Blue collar—Continued									
Precision production, craft, and repair—Continued									
Structural metal workers—Continued									
7	\$17.89	3.9	40.1	\$17.60	3.7	40.1	—	—	—
Construction trades, n.e.c.	14.75	5.5	39.5	15.32	7.3	39.5	\$13.44	3.6	39.7
2	10.16	13.4	40.0	11.71	25.6	40.0	9.27	6.5	40.0
3	10.59	5.5	40.0	10.04	8.7	40.0	11.31	4.1	39.9
4	12.69	3.8	39.5	12.69	4.8	40.0	12.69	6.8	39.0
5	13.08	7.5	39.2	11.96	10.3	38.7	14.38	6.4	39.7
6	14.01	6.5	40.0	13.48	7.1	40.0	15.76	5.0	39.9
7	19.27	8.8	39.3	19.56	9.7	39.3	16.09	2.4	39.9
Supervisors, extractive	21.55	17.6	41.6	21.55	17.6	41.6	—	—	—
7	24.41	19.9	43.6	24.41	19.9	43.6	—	—	—
9	26.84	5.4	42.3	26.84	5.4	42.3	—	—	—
Drillers, oil well	15.20	28.5	40.3	15.20	28.5	40.3	—	—	—
Mining machine operators	16.50	8.2	40.0	16.50	8.2	40.0	—	—	—
5	18.15	13.0	40.0	18.15	13.0	40.0	—	—	—
Supervisors, production	19.31	2.8	40.6	19.32	2.8	40.7	18.87	10.7	40.0
4	10.22	3.4	40.0	10.22	3.4	40.0	—	—	—
5	12.94	3.5	40.4	12.94	3.5	40.4	—	—	—
6	16.17	10.6	40.8	16.24	10.7	40.8	—	—	—
7	18.53	2.3	40.6	18.60	2.4	40.6	15.35	9.8	40.0
8	23.32	3.8	40.5	23.32	3.8	40.5	—	—	—
9	23.34	3.9	41.1	23.24	4.0	41.2	27.46	6.8	39.9
10	27.45	8.8	40.6	27.49	9.0	40.6	—	—	—
11	32.50	6.1	40.1	32.50	6.1	40.1	—	—	—
Not able to be leveled	24.54	7.7	39.4	24.54	7.7	39.4	—	—	—
Tool and die makers	19.84	2.5	40.1	19.86	2.5	40.1	—	—	—
5	13.48	9.9	40.0	13.48	9.9	40.0	—	—	—
6	16.97	7.8	40.0	16.97	7.8	40.0	—	—	—
7	20.47	3.0	40.1	20.49	3.0	40.1	—	—	—
8	22.40	5.9	40.0	22.40	5.9	40.0	—	—	—
9	19.85	3.8	40.0	19.85	3.8	40.0	—	—	—
Tool and die maker apprentices	15.61	8.2	39.8	15.61	8.2	39.8	—	—	—
Precision assemblers, metal	13.28	11.1	40.0	13.28	11.1	40.0	—	—	—
4	16.74	6.3	40.0	16.74	6.3	40.0	—	—	—
6	15.33	3.6	40.0	15.33	3.6	40.0	—	—	—
7	19.37	3.4	40.0	19.37	3.4	40.0	—	—	—
Machinists	16.03	4.6	39.5	15.93	4.7	39.4	21.48	7.8	40.0
5	15.07	1.1	40.0	15.07	1.1	40.0	—	—	—
6	16.03	7.4	33.7	15.98	7.4	33.6	—	—	—
7	16.91	6.3	39.9	16.83	6.5	39.9	—	—	—
8	20.74	3.1	39.9	20.35	2.9	39.9	—	—	—
9	19.32	6.9	40.0	19.32	6.9	40.0	—	—	—
Machinist apprentices	13.04	5.8	38.6	13.04	5.8	38.6	—	—	—
Boilermakers									
5	14.99	12.0	39.8	—	—	—	—	—	—
7	20.88	5.9	40.0	20.88	5.9	40.0	—	—	—
Precision grinders, filers, and tool sharpeners ...	15.55	10.9	40.0	15.55	10.9	40.0	—	—	—
4	13.36	7.0	40.0	13.36	7.0	40.0	—	—	—
5	15.03	6.8	40.0	15.03	6.8	40.0	—	—	—
6	17.07	4.3	40.0	17.07	4.3	40.0	—	—	—
7	20.92	5.2	40.0	20.92	5.2	40.0	—	—	—
Patternmakers and modelmakers, metal	18.89	6.2	40.0	18.89	6.2	40.0	—	—	—
7	17.72	5.4	40.0	17.72	5.4	40.0	—	—	—
Layout workers	15.19	6.5	40.0	15.19	6.5	40.0	—	—	—
7	15.97	7.1	40.0	15.97	7.1	40.0	—	—	—
Precision stones and metals workers									
2	8.87	7.0	40.0	8.87	7.0	40.0	—	—	—
Engravers, metal	15.09	23.1	39.4	15.09	23.1	39.4	—	—	—
Sheet metal workers	17.74	6.6	39.1	17.74	6.6	39.1	—	—	—
4	12.45	2.2	40.0	12.45	2.2	40.0	—	—	—

See footnotes at end of table.

TABLE 2-4. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1999—Continued

Occupation and level	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
Blue collar—Continued									
Precision production, craft, and repair—Continued									
Sheet metal workers—Continued									
5	\$14.86	7.6	38.8	\$14.86	7.6	38.8	—	—	—
6	15.00	5.0	40.0	15.00	5.0	40.0	—	—	—
7	22.52	7.4	38.4	22.52	7.4	38.4	—	—	—
8	21.31	5.2	40.0	21.31	5.2	40.0	—	—	—
Sheet metal worker apprentices	13.40	10.3	39.3	13.40	10.3	39.3	—	—	—
Cabinet makers and bench carpenters	11.88	11.0	40.0	11.85	11.1	40.0	—	—	—
4	11.02	3.4	40.0	11.02	3.4	40.0	—	—	—
Furniture and wood finishers	11.23	5.9	40.0	11.23	5.9	40.0	—	—	—
4	10.94	6.8	40.0	10.94	6.8	40.0	—	—	—
Dressmakers	10.31	9.6	38.5	10.31	9.6	38.5	—	—	—
Tailors	12.41	5.9	39.7	12.41	5.9	39.7	—	—	—
Upholsterers	13.32	13.9	39.4	13.32	13.9	39.4	—	—	—
5	15.19	5.8	38.4	15.19	5.8	38.4	—	—	—
6	16.71	9.1	40.0	16.71	9.1	40.0	—	—	—
Hand molders and shapers, except jewelers	16.31	5.1	40.0	16.31	5.1	40.0	—	—	—
Patternmakers, layout workers, and cutters	13.97	14.5	40.0	13.97	14.5	40.0	—	—	—
6	21.59	11.7	40.0	—	—	—	—	—	—
Optical goods workers	11.13	10.0	39.9	11.13	10.0	39.9	—	—	—
Dental laboratory and medical appliance technicians	14.21	1.3	39.0	14.20	1.2	39.0	—	—	—
Bookbinders	11.38	3.9	39.8	11.38	3.9	39.8	—	—	—
Electrical and electronic equipment assemblers	10.72	3.3	39.7	10.72	3.3	39.7	—	—	—
1	9.07	5.7	37.9	9.07	5.7	37.9	—	—	—
2	8.30	5.0	39.5	8.30	5.0	39.5	—	—	—
3	9.59	3.4	40.0	9.59	3.4	40.0	—	—	—
4	11.27	3.5	40.0	11.27	3.5	40.0	—	—	—
5	13.27	4.4	40.0	13.27	4.4	40.0	—	—	—
6	14.41	3.5	40.0	14.41	3.5	40.0	—	—	—
7	16.58	5.7	39.8	16.58	5.7	39.8	—	—	—
Miscellaneous precision workers, n.e.c.	15.90	8.0	39.8	15.89	8.0	39.8	—	—	—
4	10.34	7.9	40.0	10.34	7.9	40.0	—	—	—
5	13.23	6.6	39.8	13.23	6.6	39.8	—	—	—
6	17.18	5.5	40.1	17.18	5.5	40.1	—	—	—
7	19.99	4.5	40.0	19.98	4.5	40.0	—	—	—
Precision food production	12.42	20.4	30.5	12.42	20.4	30.5	—	—	—
Butchers and meat cutters	10.37	3.7	38.5	10.37	3.7	38.5	—	—	—
1	7.51	3.1	38.5	7.51	3.1	38.5	—	—	—
2	8.78	4.1	35.7	8.78	4.1	35.7	—	—	—
4	10.78	6.4	38.7	10.78	6.4	38.7	—	—	—
5	12.07	3.7	37.9	12.07	3.7	37.9	—	—	—
6	15.03	3.0	40.0	15.03	3.0	40.0	—	—	—
7	16.26	2.3	38.6	16.26	2.3	38.6	—	—	—
Bakers	10.11	7.1	34.5	10.16	7.5	34.2	—	—	—
2	8.01	1.1	32.3	8.00	1.3	31.7	—	—	—
3	10.20	7.1	32.6	10.20	7.1	32.6	—	—	—
4	11.58	4.4	38.8	11.58	4.4	38.8	—	—	—
5	11.40	8.3	40.0	11.40	8.3	40.0	—	—	—
Food batchmakers	10.39	6.6	38.1	10.39	6.6	38.1	—	—	—
2	9.19	14.7	38.1	9.19	14.7	38.1	—	—	—
3	10.60	9.4	39.7	10.60	9.4	39.7	—	—	—
4	11.81	7.9	38.3	11.81	7.9	38.3	—	—	—
5	14.71	5.8	32.7	14.71	5.8	32.7	—	—	—
Inspectors, testers, and graders	16.95	2.6	40.3	16.85	2.7	40.3	\$18.62	6.5	39.7
3	10.06	3.5	40.0	9.92	3.3	40.0	—	—	—
4	16.22	9.3	39.9	16.22	9.3	39.9	—	—	—
5	14.86	4.2	40.4	14.75	4.3	40.5	—	—	—
6	16.75	5.5	40.4	16.69	5.6	40.4	—	—	—
7	19.48	3.1	40.4	19.33	3.3	40.4	20.84	3.2	40.0
8	20.19	10.8	40.1	22.53	9.8	40.1	—	—	—

See footnotes at end of table.

TABLE 2-4. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1999—Continued

Occupation and level	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
Blue collar—Continued									
Precision production, craft, and repair—Continued									
Inspectors, testers, and graders—Continued									
9	\$22.49	3.8	40.0	\$22.49	3.8	40.0	—	—	—
Precision inspectors, testers, and related workers, n.e.c.	20.33	7.6	40.0	20.33	7.6	40.0	—	—	—
6	20.45	7.7	40.0	20.45	7.7	40.0	—	—	—
Adjusters and calibrators	14.69	11.8	39.6	14.69	11.8	39.6	—	—	—
Water and sewer treatment plant operators	15.92	3.0	39.0	15.01	5.2	35.6	\$16.14	3.4	39.9
3	12.26	8.9	38.8	—	—	—	11.39	13.4	38.0
4	14.62	10.9	40.0	—	—	—	14.72	12.4	40.0
5	14.53	4.8	40.0	14.21	12.8	40.0	14.60	5.2	40.0
6	15.71	5.9	40.0	—	—	—	15.84	7.5	40.0
7	17.79	3.2	40.0	17.35	5.1	40.0	17.86	3.8	40.0
9	21.07	11.9	40.0	—	—	—	—	—	—
Power plant operators	21.77	2.1	39.8	21.61	2.1	39.8	23.08	6.2	39.8
5	18.24	4.1	40.0	18.30	4.2	40.0	—	—	—
6	20.63	2.5	40.0	—	—	—	—	—	—
7	22.26	3.0	39.8	22.15	3.0	39.8	23.34	10.3	40.0
8	25.85	4.3	39.8	26.02	6.1	39.7	—	—	—
Stationary engineers	19.58	3.5	39.3	19.46	4.2	39.2	19.86	5.9	39.7
4	15.69	6.3	39.6	—	—	—	—	—	—
5	15.11	4.2	39.7	15.41	3.5	39.6	14.18	13.1	40.0
6	17.55	5.5	39.9	17.55	6.7	39.9	17.55	8.4	40.0
7	21.78	3.4	39.5	21.45	3.4	39.5	22.52	7.7	39.5
9	21.15	9.6	36.2	24.64	14.5	31.5	—	—	—
Miscellaneous plant and system operators, n.e.c.	20.87	4.8	40.1	20.91	4.8	40.1	16.13	4.9	40.0
3	19.25	13.0	40.0	—	—	—	—	—	—
4	15.40	19.7	39.9	15.40	19.7	39.9	—	—	—
5	18.58	3.3	39.6	18.63	3.4	39.6	—	—	—
6	21.42	2.9	40.2	21.52	2.9	40.2	—	—	—
7	23.07	2.6	40.1	23.12	2.6	40.1	—	—	—
8	23.18	2.4	40.5	23.18	2.4	40.5	—	—	—
Machine operators, assemblers, and inspectors	11.41	2.1	39.4	11.39	2.1	39.4	14.38	6.5	38.4
1	7.55	1.9	38.0	7.53	1.9	38.0	9.18	8.2	38.0
2	8.67	1.7	39.0	8.67	1.7	39.0	10.15	5.4	37.1
3	11.81	2.9	39.7	11.82	2.9	39.7	9.20	6.7	35.9
4	12.80	1.8	39.9	12.80	1.8	39.9	12.46	6.4	36.6
5	13.89	1.2	39.9	13.88	1.2	39.9	15.31	1.7	39.6
6	15.27	2.0	39.9	15.28	2.1	39.9	14.10	5.0	39.8
7	17.40	2.1	39.7	17.33	2.1	39.7	19.67	6.1	39.2
8	19.19	2.5	39.6	19.19	2.5	39.6	—	—	—
9	22.38	3.0	39.7	22.38	3.0	39.7	—	—	—
Not able to be leveled	10.90	14.9	37.1	10.90	14.9	37.1	—	—	—
Lathe and turning machine set-up operators	14.51	3.6	40.0	14.51	3.6	40.0	—	—	—
5	15.02	2.7	40.0	15.02	2.7	40.0	—	—	—
7	16.40	8.2	39.7	16.40	8.2	39.7	—	—	—
Lathe and turning machine operators	13.32	5.8	39.9	13.32	5.8	39.9	—	—	—
2	9.04	9.2	40.0	9.04	9.2	40.0	—	—	—
3	11.95	8.3	39.8	11.95	8.3	39.8	—	—	—
4	12.47	12.3	39.8	12.47	12.3	39.8	—	—	—
5	13.84	6.0	39.8	13.84	6.0	39.8	—	—	—
6	13.78	14.8	40.0	13.78	14.8	40.0	—	—	—
7	19.07	6.0	40.0	19.07	6.0	40.0	—	—	—
Milling and planing machine operators	12.56	7.0	40.0	12.56	7.0	40.0	—	—	—
4	12.29	2.6	40.0	12.29	2.6	40.0	—	—	—
5	13.79	4.4	40.0	13.79	4.4	40.0	—	—	—
Punching and stamping press operators	12.45	3.3	39.9	12.45	3.3	39.9	—	—	—
1	9.72	10.5	39.2	9.72	10.5	39.2	—	—	—
2	9.71	3.4	39.8	9.71	3.4	39.8	—	—	—

See footnotes at end of table.

TABLE 2-4. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1999—Continued

Occupation and level	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
Blue collar —Continued									
Machine operators, assemblers, and inspectors									
—Continued									
Punching and stamping press operators									
—Continued									
3	\$14.39	7.7	40.0	\$14.39	7.7	40.0	—	—	—
4	13.51	5.8	40.0	13.51	5.8	40.0	—	—	—
5	12.62	3.1	40.0	12.62	3.1	40.0	—	—	—
6	15.70	4.3	40.2	15.70	4.3	40.2	—	—	—
7	13.20	2.0	39.9	13.20	2.0	39.9	—	—	—
Rolling machine operators	14.51	8.1	40.3	14.51	8.1	40.3	—	—	—
3	10.62	1.7	40.0	10.62	1.7	40.0	—	—	—
4	12.99	10.7	40.0	12.99	10.7	40.0	—	—	—
5	15.65	2.2	40.9	15.65	2.2	40.9	—	—	—
6	17.76	3.1	40.0	17.76	3.1	40.0	—	—	—
Drilling and boring machine operators	11.41	14.2	40.0	11.40	14.3	40.0	—	—	—
2	8.91	5.9	40.0	8.91	5.9	40.0	—	—	—
3	10.82	5.6	40.0	10.82	5.6	40.0	—	—	—
4	14.70	5.6	39.9	14.70	5.6	39.9	—	—	—
5	14.52	6.5	40.0	14.52	6.5	40.0	—	—	—
6	14.88	4.1	40.0	14.88	4.1	40.0	—	—	—
7	16.78	5.4	40.0	16.80	5.6	40.0	—	—	—
Grinding, abrading, buffing, and polishing machine operators	12.12	2.8	39.9	12.12	2.8	39.9	—	—	—
1	9.05	3.0	39.6	9.05	3.0	39.6	—	—	—
2	9.00	3.9	39.5	9.00	3.9	39.5	—	—	—
3	12.28	8.2	39.9	12.28	8.2	39.9	—	—	—
4	12.25	3.1	40.0	12.25	3.1	40.0	—	—	—
5	13.28	3.3	40.1	13.28	3.3	40.1	—	—	—
6	17.11	10.6	40.0	17.11	10.6	40.0	—	—	—
7	14.99	11.7	40.0	14.99	11.7	40.0	—	—	—
Forging machine operators	12.99	4.5	39.8	12.99	4.5	39.8	—	—	—
4	12.08	3.8	39.6	12.08	3.8	39.6	—	—	—
5	12.12	4.7	40.0	12.12	4.7	40.0	—	—	—
Numerical control machine operators	13.95	3.5	40.0	13.94	3.5	40.0	—	—	—
2	11.24	6.9	40.0	11.24	6.9	40.0	—	—	—
3	10.55	4.7	39.9	10.55	4.7	39.9	—	—	—
4	13.11	9.3	40.0	13.11	9.3	40.0	—	—	—
5	13.22	2.7	40.0	13.19	2.7	40.0	—	—	—
6	15.90	4.6	40.0	15.90	4.6	40.0	—	—	—
7	18.77	2.6	40.0	18.77	2.6	40.0	—	—	—
Fabricating machine operators, n.e.c.	13.18	2.9	39.4	13.18	2.9	39.4	—	—	—
1	8.47	2.9	40.0	8.47	2.9	40.0	—	—	—
2	9.68	5.0	39.9	9.68	5.0	39.9	—	—	—
3	13.02	7.9	37.7	13.02	7.9	37.7	—	—	—
4	13.97	5.6	39.9	13.97	5.6	39.9	—	—	—
5	13.31	2.0	40.1	13.31	2.0	40.1	—	—	—
6	15.88	3.5	40.0	15.88	3.5	40.0	—	—	—
7	14.94	7.1	40.0	14.94	7.1	40.0	—	—	—
Molding and casting machine operators	10.91	5.4	39.8	10.91	5.4	39.8	—	—	—
1	7.82	7.2	39.8	7.82	7.2	39.8	—	—	—
2	9.06	4.8	39.6	9.06	4.8	39.6	—	—	—
3	10.69	5.2	39.9	10.69	5.2	39.9	—	—	—
4	10.63	5.5	40.0	10.63	5.5	40.0	—	—	—
5	13.17	4.4	39.9	13.17	4.4	39.9	—	—	—
6	14.08	2.0	39.8	14.08	2.0	39.8	—	—	—
7	15.38	4.4	39.6	15.38	4.4	39.6	—	—	—
Metal plating machine operators	13.56	4.5	39.7	13.56	4.5	39.7	—	—	—
2	10.05	9.0	40.0	10.05	9.0	40.0	—	—	—
3	9.87	5.6	38.2	9.87	5.6	38.2	—	—	—
4	13.27	2.4	39.8	13.27	2.4	39.8	—	—	—
5	13.08	3.8	40.3	13.08	3.8	40.3	—	—	—

See footnotes at end of table.

TABLE 2-4. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1999—Continued

Occupation and level	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
Blue collar—Continued									
Machine operators, assemblers, and inspectors—Continued									
Heat treating equipment operators	\$13.99	2.7	40.0	\$13.99	2.7	40.0	—	—	—
2	10.39	12.6	39.4	10.39	12.6	39.4	—	—	—
3	13.98	13.6	40.0	13.98	13.6	40.0	—	—	—
5	16.62	6.2	40.0	16.62	6.2	40.0	—	—	—
6	14.06	6.9	40.0	14.06	6.9	40.0	—	—	—
7	20.23	13.0	40.0	20.23	13.0	40.0	—	—	—
Wood lathe, routing, and planing machine operators	8.82	11.1	39.2	8.82	11.1	39.2	—	—	—
Sawing machine operators	10.35	7.9	39.8	10.35	7.9	39.8	—	—	—
2	9.36	3.8	36.4	9.36	3.8	36.4	—	—	—
3	10.87	11.4	40.0	10.87	11.4	40.0	—	—	—
4	9.04	18.8	40.0	9.04	18.8	40.0	—	—	—
5	10.34	11.2	40.0	10.34	11.2	40.0	—	—	—
Shaping and jointing machine operators	10.19	7.7	39.9	10.19	7.7	39.9	—	—	—
2	7.02	8.3	40.0	7.02	8.3	40.0	—	—	—
4	10.46	9.4	40.0	10.46	9.4	40.0	—	—	—
Printing press operators	14.19	3.1	39.4	14.20	3.1	39.5	\$13.56	4.8	37.9
1	9.34	12.4	35.0	9.34	12.4	35.0	—	—	—
2	8.37	1.9	39.0	8.32	1.7	39.0	—	—	—
3	11.51	7.7	39.6	11.51	7.8	39.6	—	—	—
4	12.05	5.6	39.7	12.03	5.8	39.8	12.78	4.9	36.3
5	13.38	5.3	39.6	13.32	5.4	39.6	—	—	—
6	15.54	5.8	39.5	15.52	5.8	39.5	—	—	—
7	17.90	3.1	39.5	18.04	3.1	39.6	—	—	—
8	20.08	7.9	38.3	20.08	7.9	38.3	—	—	—
9	21.88	5.7	37.8	21.88	5.7	37.8	—	—	—
Photoengravers and lithographers	16.24	11.2	39.1	16.24	11.2	39.1	—	—	—
4	13.52	12.8	38.5	13.52	12.8	38.5	—	—	—
5	15.44	4.2	39.4	15.44	4.2	39.4	—	—	—
6	17.23	6.2	38.7	17.23	6.2	38.7	—	—	—
7	20.50	6.5	39.3	20.50	6.5	39.3	—	—	—
Typesetters and compositors	13.19	6.2	35.3	12.86	5.7	35.3	—	—	—
4	11.60	17.5	39.1	11.60	17.5	39.1	—	—	—
5	13.44	4.8	39.3	13.44	5.0	39.3	—	—	—
7	14.48	15.6	28.2	13.35	14.9	27.4	—	—	—
Winding and twisting machine operators	11.99	7.2	39.8	11.99	7.2	39.8	—	—	—
1	8.50	4.3	39.9	8.50	4.3	39.9	—	—	—
2	9.59	6.7	39.6	9.59	6.7	39.6	—	—	—
3	10.99	4.2	39.7	10.99	4.2	39.7	—	—	—
5	13.03	4.8	38.2	13.03	4.8	38.2	—	—	—
Knitting, looping, taping, and weaving machine operators	10.14	2.9	40.0	10.14	2.9	40.0	—	—	—
1	9.19	11.4	40.0	9.19	11.4	40.0	—	—	—
3	10.63	4.2	39.9	10.63	4.2	39.9	—	—	—
4	11.42	4.1	40.0	11.42	4.1	40.0	—	—	—
5	13.90	6.6	40.0	13.90	6.6	40.0	—	—	—
Textile cutting machine operators	8.65	8.2	40.0	8.65	8.2	40.0	—	—	—
3	8.81	6.8	40.0	8.81	6.8	40.0	—	—	—
4	12.27	14.2	40.0	12.27	14.2	40.0	—	—	—
Textile sewing machine operators	7.73	5.0	39.1	7.73	5.0	39.1	—	—	—
1	6.71	4.9	37.0	6.71	4.9	37.0	—	—	—
2	7.25	6.3	39.7	7.25	6.3	39.7	—	—	—
3	8.81	7.7	39.9	8.81	7.7	39.9	—	—	—
4	10.98	10.0	39.5	10.98	10.0	39.5	—	—	—
5	11.57	15.9	40.0	11.57	15.9	40.0	—	—	—
Shoe machine operators	9.64	10.7	39.8	9.64	10.7	39.8	—	—	—
2	10.46	6.1	40.0	10.46	6.1	40.0	—	—	—
Pressing machine operators	7.55	4.1	37.9	7.55	4.1	37.9	—	—	—
1	6.29	4.7	35.6	6.29	4.7	35.6	—	—	—

See footnotes at end of table.

TABLE 2-4. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1999—Continued

Occupation and level	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
Blue collar —Continued									
Machine operators, assemblers, and inspectors —Continued									
Pressing machine operators—Continued									
2	\$8.10	4.9	39.4	\$8.10	4.9	39.4	—	—	—
Laundering and dry cleaning machine operators									
1	7.21	2.1	37.5	7.11	2.0	37.5	\$9.55	6.0	37.5
2	6.90	2.9	37.7	6.79	2.8	37.7	9.17	8.2	38.2
3	7.35	3.9	36.5	7.24	3.8	36.5	10.65	6.0	36.1
4	8.68	1.8	38.9	8.67	1.9	38.8	—	—	—
5	9.29	8.0	38.2	—	—	—	—	—	—
Cementing and gluing machine operators	10.50	10.1	40.0	10.50	10.1	40.0	—	—	—
2	8.67	10.9	40.0	8.67	10.9	40.0	—	—	—
3	10.02	10.2	40.0	10.02	10.2	40.0	—	—	—
4	12.05	4.5	40.0	12.05	4.5	40.0	—	—	—
Packaging and filling machine operators	10.78	4.8	39.3	10.78	4.8	39.3	—	—	—
1	7.66	7.3	38.1	7.66	7.3	38.1	—	—	—
2	9.75	6.9	39.6	9.75	6.9	39.6	—	—	—
3	11.14	3.7	40.0	11.14	3.7	40.0	—	—	—
4	11.87	10.6	39.5	11.87	10.6	39.5	—	—	—
5	16.65	7.8	40.0	16.65	7.8	40.0	—	—	—
6	16.20	7.4	40.0	16.20	7.4	40.0	—	—	—
Extruding and forming machine operators	11.81	4.2	39.8	11.81	4.2	39.8	—	—	—
1	8.28	4.9	39.4	8.28	4.9	39.4	—	—	—
2	10.10	8.6	39.8	10.10	8.6	39.8	—	—	—
3	13.18	8.0	39.9	13.18	8.0	39.9	—	—	—
4	11.64	6.1	39.9	11.64	6.1	39.9	—	—	—
5	12.20	9.7	40.0	12.20	9.7	40.0	—	—	—
6	14.00	3.2	38.1	14.00	3.2	38.1	—	—	—
7	17.04	2.6	40.0	17.04	2.6	40.0	—	—	—
Mixing and blending machine operators	13.31	3.9	39.7	13.31	3.9	39.7	—	—	—
1	9.19	15.3	38.4	9.19	15.3	38.4	—	—	—
2	10.91	5.6	39.8	10.91	5.6	39.8	—	—	—
3	11.51	5.8	38.9	11.51	5.8	38.9	—	—	—
4	13.08	6.4	40.0	13.08	6.4	40.0	—	—	—
5	16.54	8.6	39.4	16.54	8.6	39.4	—	—	—
6	16.64	6.4	39.9	16.64	6.4	39.9	—	—	—
7	17.01	3.8	42.8	17.01	3.8	42.8	—	—	—
Separating, filtering, and clarifying machine operators	16.69	3.0	39.6	16.71	3.0	39.6	—	—	—
4	15.24	7.0	38.8	15.24	7.0	38.8	—	—	—
5	15.96	5.2	40.1	15.96	5.2	40.1	—	—	—
6	17.91	5.1	39.6	17.91	5.1	39.6	—	—	—
7	18.76	4.6	39.8	18.92	4.7	39.8	—	—	—
Compressing and compacting machine operators	10.65	2.4	39.5	10.67	2.4	39.7	—	—	—
1	8.24	14.0	36.6	8.24	14.0	36.6	—	—	—
2	10.95	4.1	40.0	10.95	4.1	40.0	—	—	—
3	10.72	6.0	38.9	10.86	6.6	40.0	—	—	—
Painting and paint spraying machine operators									
1	11.32	8.0	40.0	11.32	8.0	40.0	—	—	—
2	7.78	5.2	40.0	7.78	5.2	40.0	—	—	—
3	9.99	4.5	39.9	9.99	4.5	39.9	—	—	—
4	9.49	10.9	40.0	9.49	10.9	40.0	—	—	—
5	12.05	6.1	39.8	12.05	6.1	39.8	—	—	—
6	13.64	4.8	40.2	13.64	4.8	40.2	—	—	—
7	18.75	10.3	40.0	18.76	10.4	40.0	—	—	—
8	14.18	10.2	41.4	14.18	10.2	41.4	—	—	—
Roasting and baking machine operators, food ..	11.83	9.5	39.7	11.83	9.5	39.7	—	—	—
Washing, cleaning, and pickling machine operators	11.26	8.7	40.1	11.26	8.7	40.1	—	—	—
Folding machine operators	11.81	4.2	39.7	11.81	4.2	39.7	—	—	—
3	11.48	5.5	38.8	11.48	5.5	38.8	—	—	—
4	11.16	3.2	40.0	11.16	3.2	40.0	—	—	—

See footnotes at end of table.

TABLE 2-4. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1999—Continued

Occupation and level	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
Blue collar —Continued									
Machine operators, assemblers, and inspectors —Continued									
Folding machine operators—Continued									
5	\$15.32	5.1	40.0	\$15.32	5.1	40.0	—	—	—
Furnace, kiln, and oven operators, except food	13.36	5.5	39.9	13.17	5.6	39.9	\$16.65	7.6	40.0
2	8.87	3.5	39.7	8.87	3.5	39.7	—	—	—
3	13.83	11.3	40.0	13.83	11.3	40.0	—	—	—
4	11.60	6.1	40.0	11.57	6.1	40.0	—	—	—
5	15.61	4.6	39.8	15.59	5.0	39.7	—	—	—
6	16.20	3.6	40.0	16.56	3.7	40.0	—	—	—
7	19.77	5.2	40.0	19.41	7.6	40.0	—	—	—
Crushing and grinding machine operators	12.37	5.7	39.9	12.37	5.7	39.9	—	—	—
1	7.51	7.8	40.0	7.51	7.8	40.0	—	—	—
2	11.12	6.2	40.0	11.12	6.2	40.0	—	—	—
3	12.57	6.9	39.8	12.57	6.9	39.8	—	—	—
4	16.13	7.9	40.0	16.13	7.9	40.0	—	—	—
5	14.22	8.5	40.0	14.22	8.5	40.0	—	—	—
Slicing and cutting machine operators	12.50	4.6	39.9	12.50	4.6	39.9	—	—	—
1	8.14	3.0	39.7	8.14	3.0	39.7	—	—	—
2	10.07	4.8	39.7	10.07	4.8	39.7	—	—	—
3	11.26	3.1	40.0	11.26	3.1	40.0	—	—	—
4	12.37	7.4	40.0	12.37	7.4	40.0	—	—	—
5	14.80	2.0	40.0	14.80	2.0	40.0	—	—	—
7	16.83	7.2	40.0	16.83	7.2	40.0	—	—	—
Photographic process machine operators	10.77	6.4	31.0	10.78	6.4	31.0	—	—	—
2	7.52	5.1	23.3	7.52	5.1	23.3	—	—	—
3	10.11	7.8	36.4	10.14	7.8	36.4	—	—	—
4	12.66	3.8	39.5	12.66	3.8	39.5	—	—	—
5	12.93	3.8	39.4	12.93	3.8	39.4	—	—	—
7	16.22	8.7	40.0	16.22	8.7	40.0	—	—	—
Miscellaneous machine operators, n.e.c.	10.87	6.4	39.6	10.86	6.4	39.6	15.70	13.5	38.4
1	8.35	4.4	38.2	8.35	4.4	38.2	—	—	—
3	10.49	3.9	39.9	10.49	3.9	39.9	—	—	—
4	13.35	2.5	39.9	13.37	2.5	39.9	11.54	13.0	38.6
5	15.21	2.0	39.9	15.20	2.0	39.9	—	—	—
6	17.06	3.5	39.9	17.08	3.5	39.9	—	—	—
7	18.40	5.2	39.8	18.23	5.2	39.9	—	—	—
Not able to be leveled	14.99	18.4	33.2	14.99	18.4	33.2	—	—	—
Welders and cutters	14.41	2.5	40.0	14.32	2.5	40.0	19.03	8.0	40.0
2	10.08	7.3	40.0	10.08	7.3	40.0	—	—	—
3	12.89	7.9	40.1	12.89	7.9	40.1	—	—	—
4	12.90	4.9	40.0	12.90	4.9	40.0	—	—	—
5	13.53	1.8	40.0	13.53	1.8	40.0	—	—	—
6	14.25	2.1	39.9	14.29	2.1	39.9	—	—	—
7	17.91	3.8	40.0	17.74	4.0	40.0	20.02	6.5	40.0
8	18.05	8.6	40.0	18.05	8.6	40.0	—	—	—
Solders and braziers	9.54	8.2	40.0	9.54	8.2	40.0	—	—	—
2	8.95	4.8	40.0	8.95	4.8	40.0	—	—	—
3	9.26	5.1	40.0	9.26	5.1	40.0	—	—	—
4	11.81	4.1	40.0	11.81	4.1	40.0	—	—	—
5	11.63	3.3	40.0	11.63	3.3	40.0	—	—	—
Assemblers	11.44	3.7	39.3	11.44	3.7	39.3	—	—	—
1	7.32	3.4	38.0	7.32	3.4	38.0	—	—	—
2	8.48	4.0	38.8	8.48	4.0	38.8	—	—	—
3	14.07	5.0	39.9	14.07	5.0	39.9	—	—	—
4	13.89	4.9	39.7	13.89	4.9	39.7	—	—	—
5	13.44	3.4	39.9	13.44	3.4	39.9	—	—	—
6	15.31	6.1	39.9	15.31	6.1	39.9	—	—	—
7	14.80	4.1	40.0	14.80	4.1	40.0	—	—	—
Hand cutting and trimming	7.71	10.5	39.8	7.71	10.5	39.8	—	—	—
1	6.32	5.1	40.0	6.32	5.1	40.0	—	—	—

See footnotes at end of table.

TABLE 2-4. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1999—Continued

Occupation and level	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
Blue collar—Continued									
Machine operators, assemblers, and inspectors—Continued									
Hand cutting and trimming—Continued									
2	\$7.36	14.4	39.4	\$7.36	14.4	39.4	—	—	—
4	11.01	21.1	40.0	11.01	21.1	40.0	—	—	—
Hand molding, casting, and forming									
2	11.50	2.4	39.9	11.50	2.4	39.9	—	—	—
2	9.91	13.5	39.0	9.91	13.5	39.0	—	—	—
Hand painting, coating, and decorating									
1	10.14	5.5	39.8	10.11	5.6	39.8	—	—	—
1	7.95	4.1	37.6	7.95	4.1	37.6	—	—	—
2	9.66	6.5	40.0	9.82	6.9	40.0	—	—	—
4	10.15	4.9	40.0	10.15	4.9	40.0	—	—	—
Hand engraving and printing									
1	11.54	8.7	35.2	11.54	8.7	35.2	—	—	—
Miscellaneous hand working, n.e.c.									
1	10.19	4.5	38.8	10.19	4.5	38.8	—	—	—
1	7.48	3.3	36.5	7.48	3.3	36.5	—	—	—
2	8.55	5.6	39.2	8.55	5.6	39.2	—	—	—
3	12.38	6.5	39.6	12.38	6.5	39.6	—	—	—
4	12.82	6.1	40.0	12.82	6.1	40.0	—	—	—
5	14.47	4.5	40.0	14.47	4.5	40.0	—	—	—
Production inspectors, checkers and examiners									
1	11.49	2.9	39.9	11.49	2.9	39.9	—	—	—
1	8.25	4.3	39.6	8.25	4.3	39.6	—	—	—
2	9.61	3.9	39.9	9.61	3.9	39.9	—	—	—
3	11.46	6.1	39.7	11.46	6.1	39.7	—	—	—
4	11.31	2.4	39.8	11.30	2.5	39.8	—	—	—
5	12.65	3.2	40.1	12.65	3.2	40.1	—	—	—
6	15.39	3.7	39.9	15.39	3.7	39.9	—	—	—
7	16.52	4.9	40.0	16.62	4.9	40.0	—	—	—
Production testers									
1	12.55	3.6	40.0	12.55	3.6	40.0	—	—	—
1	7.77	7.8	40.0	7.77	7.8	40.0	—	—	—
2	9.63	5.6	40.0	9.63	5.6	40.0	—	—	—
3	13.40	10.1	39.9	13.40	10.1	39.9	—	—	—
4	12.53	3.5	40.1	12.53	3.5	40.1	—	—	—
5	13.68	4.1	40.0	13.68	4.1	40.0	—	—	—
6	15.55	8.9	40.0	15.55	8.9	40.0	—	—	—
7	15.06	8.2	40.0	15.06	8.2	40.0	—	—	—
Production samplers and weighers									
3	14.53	3.5	39.6	14.53	3.5	39.6	—	—	—
3	14.59	3.3	39.6	14.59	3.3	39.6	—	—	—
Graders and sorters, except agricultural									
1	9.55	5.7	39.9	9.55	5.7	39.9	—	—	—
1	8.37	7.2	39.8	8.37	7.2	39.8	—	—	—
2	9.52	6.4	39.8	9.52	6.4	39.8	—	—	—
3	11.17	7.3	39.5	11.17	7.3	39.5	—	—	—
Hand inspectors, n.e.c.									
2	10.36	5.4	39.9	10.36	5.4	39.9	—	—	—
2	9.54	4.3	39.7	9.54	4.3	39.7	—	—	—
3	12.20	10.0	39.9	12.20	10.0	39.9	—	—	—
Transportation and material moving									
1	12.92	1.8	37.6	12.79	2.0	38.1	\$13.96	1.7	34.0
1	7.28	4.2	30.3	7.26	4.3	30.4	9.36	5.6	27.3
2	9.38	2.5	34.5	9.12	2.5	35.0	12.13	3.2	30.2
3	11.74	3.3	37.4	11.64	3.7	38.5	12.55	3.8	30.2
4	13.12	3.0	39.0	13.06	3.3	39.6	13.64	3.5	34.4
5	15.63	1.9	39.6	15.81	2.1	40.3	14.77	2.5	36.6
6	16.85	4.7	43.2	17.13	5.3	43.9	15.06	6.7	39.4
7	19.44	2.7	40.6	19.86	2.8	40.8	17.23	6.4	39.6
8	24.08	7.2	42.3	24.22	8.0	42.6	22.96	6.4	39.8
9	27.54	12.6	42.5	28.34	12.9	42.8	21.66	3.0	40.0
Supervisors, motor vehicle operators									
4	17.24	4.2	41.8	17.60	3.6	42.3	15.66	12.0	39.8
4	12.38	4.3	42.5	12.06	5.4	42.9	—	—	—
5	14.03	5.1	43.1	14.22	5.2	43.4	—	—	—
6	13.24	6.2	43.6	14.04	5.5	46.7	—	—	—
7	19.26	2.4	41.1	19.26	2.5	41.2	19.23	5.8	40.0
8	22.68	5.3	41.0	22.85	8.9	42.5	22.58	6.7	40.0
9	21.92	4.0	41.7	22.25	4.0	41.9	—	—	—

See footnotes at end of table.

TABLE 2-4. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1999—Continued

Occupation and level	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
Blue collar—Continued									
Transportation and material moving—Continued									
Truck drivers	\$12.72	2.3	40.3	\$12.67	2.4	40.3	\$14.10	4.2	39.4
1	7.73	4.3	33.0	7.73	4.3	33.1	—	—	—
2	9.30	2.8	38.7	9.22	2.9	38.7	11.20	7.9	38.4
3	12.10	5.6	39.5	11.97	5.9	39.5	15.24	10.7	39.6
4	12.43	4.9	41.7	12.39	5.1	41.7	13.61	5.0	39.9
5	15.90	3.0	40.9	15.98	3.1	41.0	14.24	2.8	39.5
6	16.96	8.0	45.7	16.96	8.2	45.8	16.80	5.8	39.9
7	17.28	5.4	41.0	17.31	5.9	41.1	—	—	—
Driver-sales workers	11.90	5.6	34.2	11.89	5.7	34.2	—	—	—
1	5.88	4.3	25.1	5.88	4.3	25.1	—	—	—
2	6.79	9.3	24.2	6.79	9.3	24.2	—	—	—
3	11.54	5.6	37.6	11.49	5.6	37.5	—	—	—
4	13.80	8.9	40.0	13.80	8.9	40.0	—	—	—
5	15.11	5.8	41.0	15.11	5.8	41.0	—	—	—
6	17.07	12.4	41.4	17.07	12.4	41.4	—	—	—
7	17.04	5.2	42.2	17.04	5.2	42.2	—	—	—
Bus drivers	12.38	2.8	28.0	10.87	4.6	27.5	13.76	1.8	28.6
1	—	—	—	—	—	—	10.01	8.4	22.7
2	10.33	6.0	27.4	9.14	6.3	27.7	12.64	3.3	26.7
3	11.23	2.4	26.1	9.57	3.9	25.9	11.98	2.9	26.2
4	13.71	3.2	28.3	12.57	4.9	26.9	14.87	3.3	29.9
5	15.36	3.5	32.9	14.39	8.6	32.5	15.89	2.8	33.1
6	15.45	5.4	35.1	—	—	—	—	—	—
7	12.21	5.9	24.2	—	—	—	—	—	—
Taxicab drivers and chauffeurs	8.31	4.7	30.0	8.28	4.9	29.8	9.02	7.7	35.2
1	7.53	7.0	31.1	7.53	7.1	31.3	—	—	—
2	7.16	3.6	28.1	7.14	3.7	27.8	—	—	—
3	11.68	13.6	34.0	11.95	15.7	33.7	—	—	—
4	10.91	8.6	31.4	10.96	9.0	31.3	—	—	—
Parking lot attendants	7.71	7.1	32.3	7.70	7.1	32.3	—	—	—
1	7.33	16.2	28.7	7.32	16.4	28.7	—	—	—
2	7.67	2.8	35.5	7.67	2.8	35.5	—	—	—
Motor transportation, n.e.c.	7.69	6.9	30.5	7.08	6.3	29.9	14.64	6.1	39.3
1	6.13	9.1	30.6	6.12	9.1	30.6	—	—	—
2	7.99	8.1	29.7	7.41	5.8	29.1	—	—	—
3	7.85	16.6	33.3	7.54	15.9	33.0	13.56	8.0	38.2
4	10.59	11.9	21.0	7.78	10.8	16.4	15.28	11.6	39.5
5	14.63	11.8	40.0	—	—	—	15.00	5.1	40.0
Railroad conductors and yardmasters									
7	25.53	5.4	40.0	25.45	5.9	40.0	—	—	—
Locomotive operating	27.01	14.8	40.5	—	—	—	20.35	3.4	39.9
5	18.88	4.5	40.0	15.58	8.1	40.0	—	—	—
Railroad brake, signal and switch operators	19.69	16.5	40.0	19.68	17.5	40.0	—	—	—
Ship captains and mates, except fishing boats ..	17.99	7.3	51.2	17.82	7.5	51.7	—	—	—
7	18.17	4.9	42.1	17.92	4.9	42.2	—	—	—
8	17.31	9.7	60.8	17.31	9.7	60.8	—	—	—
9	18.84	12.9	54.6	18.48	12.7	55.1	—	—	—
Sailors and deckhands	12.17	14.4	43.6	11.31	15.7	44.7	—	—	—
1	7.13	6.4	58.8	7.13	6.4	58.8	—	—	—
3	15.74	14.0	32.4	15.82	14.5	32.7	—	—	—
5	16.54	11.6	38.6	—	—	—	—	—	—
Marine engineers	15.56	29.8	51.4	—	—	—	—	—	—
Bridge, lock and lighthouse tenders	11.74	2.5	40.0	—	—	—	11.74	2.5	40.0
Supervisors, material moving equipment	16.65	6.7	40.4	16.76	7.1	40.5	15.13	9.9	39.3
5	13.42	4.8	41.7	13.91	2.6	42.1	—	—	—
6	16.17	4.7	39.9	15.96	5.3	40.2	—	—	—
7	17.56	4.5	40.9	17.72	4.6	40.9	—	—	—
8	23.16	3.7	40.0	—	—	—	—	—	—
9	25.35	2.8	40.0	25.44	3.0	40.0	—	—	—
Operating engineers	18.68	6.1	40.0	20.81	5.1	40.0	13.87	8.7	40.0

See footnotes at end of table.

TABLE 2-4. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1999—Continued

Occupation and level	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
Blue collar—Continued									
Transportation and material moving—Continued									
Operating engineers—Continued									
4	\$17.07	17.3	40.0	\$20.92	14.2	40.0	\$11.84	13.3	40.0
5	16.81	7.3	40.0	18.95	8.0	40.0	14.57	6.8	40.0
6	18.26	10.7	39.8	19.26	15.7	39.7	16.29	5.5	40.0
7	22.53	3.5	40.0	22.76	3.8	40.0	19.73	5.6	40.0
Longshore equipment operators	27.42	6.9	37.5	27.70	6.4	37.5	—	—	—
Hoist and winch operators	14.92	9.7	40.0	14.92	9.7	40.0	—	—	—
Crane and tower operators	16.01	4.8	40.1	15.96	4.8	40.1	—	—	—
2	9.87	8.2	40.0	9.87	8.2	40.0	—	—	—
3	13.79	5.8	39.9	13.79	5.8	39.9	—	—	—
4	14.32	3.9	40.0	14.34	4.0	40.0	—	—	—
5	16.81	3.6	40.7	16.81	3.6	40.7	—	—	—
6	20.52	6.0	40.0	20.46	6.3	40.0	—	—	—
7	20.06	5.2	40.0	19.94	5.6	40.0	—	—	—
Excavating and loading machine operators	13.85	3.7	40.0	13.91	3.9	40.0	13.51	9.4	39.8
2	10.58	10.9	40.0	10.39	11.5	40.0	—	—	—
3	10.91	9.9	40.0	11.14	11.4	40.0	—	—	—
4	13.38	4.1	39.9	13.54	3.6	40.0	12.76	13.8	39.5
5	14.64	4.6	40.0	14.75	4.7	40.0	13.39	14.7	40.0
6	16.86	4.8	40.0	16.82	5.1	40.0	—	—	—
7	15.38	9.5	40.0	17.73	6.7	40.0	—	—	—
Grader, dozer, and scrapper operators	14.41	4.1	40.0	15.27	4.7	40.1	13.03	7.8	39.9
2	13.95	22.1	40.0	—	—	—	—	—	—
3	10.77	4.3	40.0	10.47	3.1	40.0	11.39	10.9	40.0
4	13.75	6.6	40.0	14.56	5.3	40.0	10.00	7.7	40.0
5	13.53	5.7	40.0	14.89	5.3	40.0	11.41	7.1	39.9
6	14.83	3.8	40.0	—	—	—	15.12	4.5	40.0
7	17.83	8.8	40.1	21.00	7.4	40.4	15.78	14.5	39.8
Industrial truck and tractor equipment operators	12.24	2.6	39.7	12.25	2.6	39.7	11.78	4.0	40.0
1	10.30	7.4	40.0	10.31	7.6	40.0	—	—	—
2	9.68	2.9	39.3	9.69	2.9	39.3	—	—	—
3	11.37	3.8	39.8	11.37	3.9	39.8	—	—	—
4	13.49	4.0	39.9	13.51	4.0	39.9	—	—	—
5	16.04	5.5	39.9	16.17	5.6	39.9	—	—	—
7	17.16	5.4	40.0	17.38	5.4	40.0	—	—	—
Miscellaneous material moving equipment operators, n.e.c.	14.31	3.8	38.4	14.46	4.5	38.2	13.61	4.7	39.2
1	9.57	12.7	31.8	9.57	12.7	31.8	—	—	—
2	12.26	5.2	36.1	12.29	5.2	36.0	—	—	—
3	12.84	9.7	39.2	12.99	10.4	39.2	10.41	7.3	39.3
4	14.69	7.9	39.4	15.20	8.3	39.4	11.22	3.7	39.5
5	16.41	3.4	38.6	17.88	4.1	38.8	14.35	4.0	38.4
6	15.82	8.6	39.4	18.15	6.7	39.1	11.25	7.2	40.0
7	19.65	4.4	39.9	19.13	5.7	39.9	20.00	6.1	40.0
Handlers, equipment cleaners, helpers, and laborers	9.86	2.3	35.5	9.73	2.4	35.4	12.44	2.5	38.5
1	7.90	1.6	31.9	7.85	1.7	31.7	9.78	5.8	36.5
2	8.86	3.1	37.6	8.83	3.1	37.6	9.93	4.1	38.5
3	11.27	2.4	37.7	11.25	2.6	37.7	11.64	3.0	38.9
4	12.93	3.3	38.4	12.74	3.6	38.3	14.54	5.2	39.4
5	15.17	3.7	39.6	15.23	4.0	39.5	14.66	3.2	39.7
6	16.27	4.0	39.5	16.48	4.5	39.4	15.20	5.5	39.8
7	17.57	5.6	39.6	17.39	6.6	39.6	18.42	3.7	40.0
8	19.23	4.2	41.2	19.07	5.5	41.7	—	—	—
9	22.36	6.5	40.0	—	—	—	—	—	—
Not able to be leveled	13.94	9.2	37.2	12.98	7.2	37.5	17.34	18.3	36.5
Nursery workers	7.37	5.1	34.6	7.36	5.3	34.1	—	—	—
1	7.49	9.1	37.6	7.49	9.1	37.6	—	—	—
Supervisors, agriculture-related workers	16.80	9.9	38.8	16.32	14.3	38.4	17.74	5.9	39.8

See footnotes at end of table.

TABLE 2-4. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1999—Continued

Occupation and level	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
Blue collar—Continued									
Handlers, equipment cleaners, helpers, and laborers—Continued									
Supervisors, agriculture-related workers—Continued									
5	\$13.99	4.4	40.0	—	—	—	\$13.84	5.1	40.0
6	16.15	12.0	40.0	—	—	—	18.59	6.3	40.0
7	21.03	4.3	37.1	\$22.02	4.1	35.8	19.20	7.0	40.0
9	23.68	7.2	40.0	—	—	—	—	—	—
Groundskeepers and gardeners, except farm ...	9.29	4.2	37.1	8.59	3.4	36.8	11.75	3.4	38.1
1	7.53	2.7	36.2	7.39	2.8	36.4	8.36	4.8	34.9
2	—	—	—	—	—	—	10.11	7.4	38.6
3	10.59	2.6	34.7	10.13	3.4	31.4	11.11	3.9	39.3
4	12.08	4.2	38.8	10.40	4.2	39.2	13.66	5.1	38.5
5	13.89	3.7	39.0	13.50	3.9	38.8	14.73	5.3	39.3
6	16.26	4.8	39.6	—	—	—	16.57	4.9	39.5
7	18.19	10.0	40.0	—	—	—	18.72	12.1	40.0
Animal caretakers, except farm	10.22	11.8	32.8	8.87	8.5	30.6	13.01	13.0	38.7
2	—	—	—	—	—	—	8.45	10.9	40.0
3	7.10	6.8	38.5	—	—	—	—	—	—
4	13.85	10.7	38.0	9.54	7.6	38.9	—	—	—
5	10.87	6.8	35.2	—	—	—	—	—	—
Inspectors, agricultural products	8.74	11.3	37.2	8.74	11.3	37.2	—	—	—
1	7.61	4.5	36.8	7.61	4.5	36.8	—	—	—
Supervisors, handlers, equipment cleaners, and laborers, n.e.c.									
3	16.02	7.4	38.9	15.89	8.6	38.7	16.86	5.4	39.9
5	9.72	5.2	40.1	9.72	5.2	40.1	—	—	—
6	14.22	4.1	39.7	13.76	3.4	39.7	16.12	11.6	39.8
7	14.70	5.5	39.6	15.12	6.3	39.5	11.61	8.6	40.0
8	17.03	8.3	40.3	16.81	9.3	40.3	18.73	2.9	40.0
8	19.96	4.6	41.6	19.90	6.9	42.5	—	—	—
Helpers, mechanics and repairers	10.40	4.1	38.4	10.00	4.7	38.4	13.80	4.6	38.3
1	8.20	9.1	35.3	8.08	9.2	35.2	—	—	—
2	8.42	2.6	38.4	8.32	2.5	38.5	10.17	7.3	36.6
3	12.09	6.0	39.9	11.88	6.8	40.2	14.99	11.5	36.3
4	11.50	8.5	38.8	10.95	9.0	38.9	14.53	5.5	38.2
5	14.40	4.0	39.1	14.35	4.1	38.4	14.48	7.4	40.0
Helpers, construction trades	10.13	3.5	39.1	10.08	3.7	39.1	11.96	6.0	40.0
1	9.82	15.0	39.5	9.84	15.0	39.5	—	—	—
2	8.97	4.0	38.5	8.97	4.0	38.5	9.38	7.5	40.0
3	10.64	4.1	39.8	10.59	4.3	39.8	12.52	9.9	40.0
4	11.29	6.5	38.7	11.22	6.7	38.6	12.31	5.6	40.0
5	14.33	3.5	39.6	14.18	3.8	39.5	—	—	—
Helpers, extractive	8.85	14.8	38.1	8.85	14.8	38.1	—	—	—
Construction laborers	11.65	4.8	39.3	11.67	5.2	39.4	11.46	4.9	38.8
1	8.35	6.5	38.8	8.32	7.0	38.8	8.86	7.9	38.5
2	9.65	5.1	39.5	9.67	5.5	39.8	9.44	10.1	37.3
3	14.51	11.6	39.8	14.70	12.4	39.8	12.27	5.6	39.6
4	13.88	9.1	39.0	13.98	10.5	38.8	13.24	4.8	40.0
5	17.80	2.8	39.8	18.16	2.6	39.7	15.76	4.8	40.0
Production helpers	10.04	3.7	38.9	10.03	3.7	39.0	10.86	9.7	21.2
1	8.57	3.1	39.2	8.57	3.1	39.4	—	—	—
2	9.63	4.5	39.8	9.63	4.5	39.8	—	—	—
3	10.36	3.2	36.6	10.35	3.2	36.9	11.02	12.3	22.1
4	12.30	3.6	39.9	12.28	3.6	39.9	—	—	—
5	14.75	6.5	40.0	14.76	6.5	40.0	—	—	—
Garbage collectors	13.94	7.6	39.8	—	—	—	14.82	12.7	39.6
1	—	—	—	—	—	—	11.64	11.9	39.2
2	12.25	15.3	40.4	—	—	—	11.18	11.5	39.5
3	12.22	4.6	40.0	—	—	—	12.68	5.6	40.0
Stevedores	20.47	6.2	39.2	20.58	6.3	39.2	—	—	—
Stock handlers and baggers	9.54	7.4	29.8	9.53	7.4	29.7	11.34	6.7	35.2

See footnotes at end of table.

TABLE 2-4. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1999—Continued

Occupation and level	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
Blue collar—Continued									
Handlers, equipment cleaners, helpers, and laborers—Continued									
Stock handlers and baggers—Continued									
1	\$6.99	1.8	24.6	\$6.99	1.8	24.6	—	—	—
2	8.61	2.3	31.7	8.61	2.3	31.7	—	—	—
3	9.95	3.5	35.5	9.95	3.5	35.4	—	—	—
4	12.18	3.4	39.1	12.17	3.4	39.1	—	—	—
6	16.08	6.2	38.0	16.08	6.2	38.0	—	—	—
Machine feeders and offbearers	9.61	2.7	39.2	9.61	2.7	39.2	—	—	—
1	8.55	5.8	39.2	8.55	5.8	39.2	—	—	—
2	9.68	3.6	38.7	9.68	3.6	38.7	—	—	—
3	10.20	6.3	39.2	10.20	6.3	39.2	—	—	—
4	12.06	6.3	39.9	12.06	6.3	39.9	—	—	—
5	14.37	3.7	39.6	14.37	3.7	39.6	—	—	—
Freight, stock, and material handlers, n.e.c.	10.80	3.2	33.9	10.81	3.3	33.8	\$10.57	11.9	40.0
1	8.30	3.7	30.1	8.28	3.7	30.1	—	—	—
2	9.81	5.3	34.2	9.81	5.3	34.2	—	—	—
3	13.29	5.3	36.7	13.30	5.3	36.7	—	—	—
4	13.45	2.8	37.7	13.51	2.9	37.7	—	—	—
5	12.77	8.7	39.9	12.75	8.8	39.9	—	—	—
6	16.92	3.1	40.3	16.92	3.1	40.3	—	—	—
Garage and service station related	8.83	7.4	34.2	8.78	7.5	34.1	12.23	5.4	40.0
1	7.42	13.2	26.8	7.42	13.2	26.8	—	—	—
2	7.99	2.5	38.3	7.91	2.3	38.3	—	—	—
3	8.78	18.6	39.4	8.76	18.6	39.4	—	—	—
4	12.68	15.1	32.4	12.66	15.4	32.3	—	—	—
Vehicle washers and equipment cleaners	8.82	4.2	37.5	8.78	4.2	37.5	11.90	7.8	37.5
1	7.64	4.0	36.3	7.64	4.0	36.3	—	—	—
2	9.00	3.8	39.5	8.99	3.8	39.5	—	—	—
3	11.08	6.4	38.0	11.11	6.9	37.9	—	—	—
4	16.68	18.1	39.9	16.98	19.6	39.9	—	—	—
5	13.47	11.8	39.7	13.47	11.8	39.7	—	—	—
Hand packers and packagers	8.18	2.5	38.2	8.18	2.5	38.2	—	—	—
1	7.47	2.4	34.9	7.47	2.4	34.9	—	—	—
3	10.41	5.5	39.1	10.41	5.5	39.1	—	—	—
4	12.23	6.0	39.5	12.23	6.0	39.5	—	—	—
5	12.20	5.6	39.7	12.20	5.6	39.7	—	—	—
Laborers, except construction, n.e.c.	9.57	2.0	36.5	9.41	2.1	36.4	11.48	3.6	38.4
1	8.19	3.3	35.0	8.08	3.4	34.9	10.15	9.1	36.9
2	9.81	3.1	37.3	9.78	3.3	37.2	10.15	6.7	38.7
3	11.31	3.8	39.0	11.26	4.2	38.9	11.86	6.9	39.6
4	12.10	3.5	38.9	11.87	4.0	38.8	13.90	3.2	39.8
5	13.31	6.2	38.8	12.67	7.3	38.4	15.21	4.7	40.0
6	15.03	6.1	39.2	14.98	7.4	39.0	—	—	—
Not able to be leveled	10.86	15.3	34.2	10.76	17.8	36.1	—	—	—
Service	9.21	1.1	31.6	7.94	.9	30.6	14.41	1.3	36.8
1	6.57	1.4	27.1	6.40	1.6	26.9	8.60	2.0	30.0
2	6.91	2.5	30.8	6.64	2.5	30.6	9.32	1.7	33.0
3	8.38	1.2	32.9	7.99	1.4	32.7	10.63	1.7	34.4
4	10.22	1.5	34.9	9.94	1.8	34.6	11.73	1.5	36.5
5	13.00	1.6	36.5	12.62	2.6	34.8	13.48	2.0	38.8
6	14.94	2.2	39.3	13.86	5.0	36.9	15.72	2.1	41.2
7	18.30	1.7	38.3	17.06	4.9	34.2	19.02	1.5	41.2
8	19.83	1.6	40.8	18.53	3.4	40.5	20.08	1.7	40.9
9	23.55	2.2	41.2	17.68	10.1	42.3	23.85	2.2	41.2
10	27.38	2.6	41.1	31.15	5.4	41.1	27.11	2.8	41.1
11	29.25	6.8	41.8	20.63	14.1	45.6	30.43	6.5	41.3
12	31.59	5.3	43.1	—	—	—	31.37	5.5	43.2
Not able to be leveled	13.20	7.7	34.9	10.72	2.1	33.3	16.83	10.2	37.4
Protective service	14.84	2.1	37.5	9.12	2.4	33.9	18.05	1.8	39.9

See footnotes at end of table.

TABLE 2-4. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1999—Continued

Occupation and level	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
Service—Continued									
Protective service—Continued									
1	\$7.23	2.6	33.3	\$7.09	2.5	34.5	\$8.90	5.0	23.4
2	7.50	2.7	32.6	7.31	2.6	32.9	9.23	10.4	30.5
3	8.78	2.3	33.4	8.48	3.0	34.1	11.15	4.5	28.8
4	11.42	2.6	35.9	10.32	3.9	34.3	12.54	2.5	37.6
5	13.29	1.9	38.8	11.56	4.2	35.3	13.66	2.7	39.6
6	15.93	2.2	40.5	15.77	6.4	28.0	15.94	2.3	41.6
7	19.13	1.5	40.4	18.31	4.9	31.7	19.20	1.5	41.3
8	20.10	1.6	40.9	19.30	5.8	40.1	20.13	1.7	41.0
9	23.81	2.2	41.2	—	—	—	23.82	2.2	41.2
10	27.29	2.7	41.1	—	—	—	27.15	2.8	41.1
11	30.10	6.2	41.2	—	—	—	30.43	6.5	41.3
12	31.59	5.3	43.1	—	—	—	31.37	5.5	43.2
Not able to be leveled	18.34	9.3	37.7	—	—	—	19.86	9.9	40.0
Supervisors, firefighters and fire prevention	21.90	4.7	49.5	—	—	—	21.86	4.7	49.5
6	12.38	6.4	52.1	—	—	—	12.38	6.4	52.1
7	18.47	6.2	48.2	—	—	—	18.47	6.2	48.2
8	17.70	4.5	50.1	—	—	—	17.71	4.6	50.3
9	25.28	9.0	50.1	—	—	—	25.28	9.0	50.1
10	22.66	6.2	48.8	—	—	—	22.39	6.4	48.6
11	31.12	6.7	47.8	—	—	—	31.12	6.7	47.8
Supervisors, police and detectives	25.00	3.3	40.1	—	—	—	25.05	3.3	40.1
6	15.41	13.6	40.0	—	—	—	15.53	14.1	40.0
7	18.78	6.9	40.0	—	—	—	18.88	7.0	40.0
8	20.25	7.4	40.2	—	—	—	20.25	7.4	40.2
9	26.55	4.0	40.0	—	—	—	26.55	4.0	40.0
10	29.18	3.3	40.2	—	—	—	29.18	3.3	40.2
11	32.20	8.5	40.2	—	—	—	32.20	8.5	40.2
Supervisors, guards	16.60	7.1	37.8	14.99	8.1	37.9	19.88	13.2	37.6
4	9.45	3.7	35.5	9.58	4.1	38.8	—	—	—
5	10.53	6.1	37.3	10.60	6.4	37.1	—	—	—
6	15.12	4.0	39.8	16.27	4.5	39.6	13.66	3.0	40.0
7	18.13	7.6	37.2	18.60	5.5	37.1	17.11	19.1	37.6
8	20.60	5.9	40.2	19.79	9.7	40.3	21.66	3.6	40.0
Fire inspection and fire prevention	18.74	6.5	39.0	—	—	—	19.90	6.0	38.8
6	19.84	4.6	38.4	—	—	—	19.19	4.7	37.9
7	18.48	10.3	44.9	—	—	—	18.48	10.3	44.9
Firefighting	16.13	3.0	43.5	—	—	—	16.27	2.9	44.9
3	8.80	22.1	13.3	—	—	—	9.63	24.1	14.1
4	13.03	9.5	33.9	—	—	—	13.96	7.1	48.1
5	14.20	5.2	43.7	—	—	—	14.17	5.3	43.8
6	15.25	5.1	48.5	—	—	—	15.25	5.1	48.5
7	18.08	3.9	46.5	—	—	—	18.18	3.8	46.7
8	17.32	3.6	49.5	—	—	—	17.47	3.5	49.3
9	22.34	6.0	47.2	—	—	—	22.34	6.0	47.2
Police and detectives, public service	20.25	1.4	39.5	15.61	15.2	29.7	20.27	1.4	39.6
3	12.17	8.6	39.8	—	—	—	12.17	8.6	39.8
4	14.43	6.0	37.1	—	—	—	14.43	6.0	37.1
5	16.18	4.4	36.9	—	—	—	16.31	4.4	36.9
6	17.55	3.6	39.4	—	—	—	17.55	3.6	39.7
7	20.39	2.3	39.6	—	—	—	20.40	2.3	39.6
8	21.03	1.7	40.0	—	—	—	21.03	1.7	40.0
9	22.91	3.0	40.1	—	—	—	22.91	3.0	40.1
10	26.84	7.0	40.0	—	—	—	26.84	7.0	40.0
Sheriffs, bailiffs, and other law enforcement officers	16.60	2.8	39.2	—	—	—	16.60	2.8	39.2
2	7.15	11.3	35.6	—	—	—	7.15	11.3	35.6
3	13.37	7.0	35.5	—	—	—	13.37	7.0	35.5
4	13.00	5.2	37.4	—	—	—	13.00	5.2	37.4
5	13.59	6.6	39.3	—	—	—	13.59	6.6	39.3
6	14.65	5.0	39.7	—	—	—	14.65	5.0	39.7
7	17.80	3.1	39.8	—	—	—	17.81	3.1	39.8

See footnotes at end of table.

TABLE 2-4. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1999—Continued

Occupation and level	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
Service—Continued									
Protective service—Continued									
Sheriffs, bailiffs, and other law enforcement officers—Continued									
8	\$18.82	6.8	38.8	—	—	—	\$18.82	6.8	38.8
9	23.96	2.8	40.0	—	—	—	23.96	2.8	40.0
Correctional institution officers	14.94	3.8	39.8	—	—	—	15.13	3.9	39.8
2	10.99	9.3	40.2	—	—	—	10.99	9.3	40.2
3	8.83	7.2	40.6	—	—	—	9.30	9.1	40.3
4	12.02	3.8	39.2	—	—	—	12.18	3.6	39.2
5	13.20	2.9	39.9	—	—	—	13.23	2.9	39.9
6	16.08	4.0	39.6	—	—	—	16.08	4.0	39.6
7	19.75	3.7	39.9	—	—	—	19.75	3.7	39.9
8	19.75	5.2	40.0	—	—	—	19.75	5.2	40.0
9	19.90	4.1	40.0	—	—	—	19.90	4.1	40.0
Crossing guards	8.97	4.5	17.2	—	—	—	8.91	4.6	17.1
1	8.25	7.9	16.7	—	—	—	8.28	8.0	16.8
2	10.13	5.4	18.5	—	—	—	10.13	5.4	18.5
3	8.22	8.5	16.2	—	—	—	7.78	7.4	15.5
Guards and police, except public service	8.89	2.0	34.3	\$8.69	2.2	34.3	12.79	3.3	34.8
1	7.10	2.6	34.6	7.10	2.6	34.6	7.91	8.4	23.8
2	7.34	2.7	33.8	7.31	2.7	33.8	9.14	11.7	32.6
3	8.67	2.7	34.9	8.54	3.0	34.9	11.82	6.9	36.1
4	10.52	4.4	35.2	10.44	4.5	35.2	11.83	6.1	34.3
5	12.10	3.5	35.3	11.74	4.4	35.6	13.52	3.2	33.9
6	14.83	9.6	25.6	15.26	11.8	23.2	13.44	6.7	38.3
7	18.90	5.2	25.8	19.06	6.1	24.9	18.24	5.0	30.8
8	19.83	6.1	38.4	—	—	—	—	—	—
Not able to be leveled	12.56	3.2	34.2	—	—	—	—	—	—
Protective service, n.e.c.	12.03	7.7	29.3	10.15	19.6	25.1	13.36	4.8	33.2
1	—	—	—	—	—	—	8.43	13.3	28.4
2	7.26	4.2	20.0	7.06	4.7	18.4	7.70	8.2	24.2
3	9.24	10.9	24.6	7.14	7.0	22.7	11.49	7.6	27.2
4	10.63	4.9	32.3	11.61	10.9	31.4	10.12	2.4	32.8
5	12.92	10.2	32.1	—	—	—	13.40	4.4	35.2
6	14.51	6.4	39.7	—	—	—	14.43	6.9	40.2
7	16.86	13.7	40.6	—	—	—	16.81	13.9	40.7
Food service	6.72	1.5	28.8	6.57	1.5	28.7	9.36	1.6	30.1
1	5.70	1.5	25.2	5.63	1.5	25.2	7.80	2.4	26.4
2	5.79	2.9	29.2	5.66	2.9	29.2	8.56	3.5	27.6
3	7.06	2.0	31.3	6.90	2.1	31.3	9.47	1.9	31.6
4	9.08	2.9	35.4	8.96	3.1	35.4	10.50	2.9	35.8
5	11.02	2.6	38.1	10.82	3.0	38.3	12.30	5.3	36.7
6	12.09	6.3	42.3	12.08	6.6	42.5	12.26	4.4	38.4
7	13.19	6.2	41.8	13.12	6.5	41.9	14.54	5.9	40.0
8	18.26	3.7	41.6	18.44	3.7	42.1	—	—	—
9	17.11	14.5	43.2	17.09	14.7	43.2	—	—	—
Not able to be leveled	10.49	11.6	25.1	8.04	10.1	19.6	—	—	—
Waiters, waitresses, and bartenders	4.71	2.8	27.4	4.70	2.8	27.4	12.87	15.4	27.2
1	4.28	3.3	25.1	4.28	3.3	25.1	—	—	—
2	4.37	4.6	29.0	4.36	4.7	29.0	—	—	—
3	5.01	5.0	28.1	5.01	5.0	28.1	—	—	—
4	6.67	4.6	29.1	6.67	4.6	29.1	—	—	—
5	11.42	12.2	35.7	11.22	13.2	35.6	—	—	—
Bartenders	6.72	6.6	28.1	6.72	6.6	28.1	—	—	—
1	5.07	4.4	27.4	5.07	4.4	27.4	—	—	—
2	5.51	7.2	25.9	5.51	7.2	25.9	—	—	—
3	6.19	6.0	27.9	6.19	6.0	27.9	—	—	—
4	7.18	4.8	29.0	7.18	4.8	29.0	—	—	—
5	12.34	8.0	36.2	12.34	8.0	36.2	—	—	—
Waiters and waitresses	4.04	3.8	27.7	4.03	3.8	27.7	—	—	—
1	3.75	4.7	24.9	3.75	4.7	24.9	—	—	—
2	4.12	6.7	29.8	4.12	6.7	29.8	—	—	—

See footnotes at end of table.

TABLE 2-4. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1999—Continued

Occupation and level	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
Service—Continued									
Food service—Continued									
Waiters, waitresses, and bartenders—Continued									
Waiters and waitresses—Continued									
3	\$4.24	7.3	28.3	\$4.24	7.3	28.3	—	—	—
4	5.12	9.6	29.9	5.12	9.6	29.9	—	—	—
5	6.60	47.5	33.0	—	—	—	—	—	—
Waiters'/Waitresses' assistants	5.65	2.7	25.3	5.61	2.7	25.3	\$11.24	8.8	24.8
1	5.39	2.9	25.3	5.38	2.9	25.3	—	—	—
2	6.02	5.7	24.1	5.79	4.7	24.0	—	—	—
3	7.58	14.0	28.0	7.58	14.0	28.0	—	—	—
Other food service	7.63	1.2	29.5	7.49	1.3	29.4	9.33	1.6	30.1
1	6.31	1.0	25.3	6.23	1.0	25.2	7.80	2.4	26.4
2	6.89	1.4	29.3	6.75	1.3	29.5	8.51	3.5	27.7
3	7.99	1.5	33.0	7.84	1.6	33.2	9.47	1.9	31.6
4	9.58	2.8	37.1	9.48	3.1	37.2	10.51	2.9	35.9
5	10.95	1.6	38.5	10.74	1.6	38.9	12.10	5.2	36.7
6	12.12	6.4	42.4	12.11	6.8	42.6	12.26	4.4	38.4
7	13.30	6.4	41.9	13.23	6.7	42.1	14.54	5.9	40.0
8	18.26	3.7	41.6	18.44	3.7	42.1	—	—	—
9	19.91	4.0	40.9	19.95	4.1	40.9	—	—	—
Not able to be leveled	10.90	11.2	26.8	8.35	10.7	20.7	—	—	—
Supervisors, food preparation and service	10.75	2.4	39.3	10.67	2.6	39.5	11.70	4.3	37.1
2	6.75	3.4	28.3	6.65	2.6	28.0	—	—	—
3	7.00	5.6	35.6	6.97	5.6	35.6	—	—	—
4	10.09	6.1	39.7	10.09	6.5	40.1	10.05	4.8	35.2
5	10.94	2.2	39.0	10.73	2.2	39.4	11.89	6.8	37.4
6	12.04	7.4	42.6	12.04	7.8	42.9	11.92	4.6	38.3
7	13.31	6.7	42.1	13.25	7.0	42.2	14.47	6.5	40.0
8	17.91	3.4	41.1	18.13	3.4	41.7	—	—	—
9	20.09	4.6	41.1	20.09	4.6	41.1	—	—	—
Cooks	8.24	2.0	33.6	8.12	2.2	33.7	9.84	2.2	33.2
1	6.25	4.0	30.8	6.05	3.5	30.8	8.78	6.0	30.9
2	6.88	2.4	30.9	6.79	2.4	31.1	8.36	3.7	28.8
3	8.28	2.2	34.3	8.17	2.4	34.3	9.65	3.0	34.8
4	9.61	2.8	36.4	9.54	3.0	36.5	10.63	3.7	35.1
5	10.89	2.3	37.8	10.75	2.5	38.2	12.47	6.1	33.5
6	12.58	5.3	40.7	12.54	5.3	40.8	—	—	—
7	12.78	3.8	40.0	12.47	2.6	40.0	—	—	—
8	19.48	9.6	43.4	19.48	9.6	43.4	—	—	—
Food counter, fountain, and related	6.36	1.5	26.1	6.33	1.5	26.2	7.86	3.3	24.3
1	6.18	2.0	25.3	6.16	2.1	25.3	7.34	3.4	21.2
2	6.44	2.7	27.2	6.40	2.7	27.2	7.98	4.2	26.6
3	7.16	3.0	27.7	7.04	3.4	28.0	8.15	7.4	25.7
4	8.50	8.1	39.5	8.50	8.1	39.5	—	—	—
Kitchen workers, food preparation	7.22	2.4	30.2	7.11	2.4	30.0	8.36	3.8	31.6
1	6.34	3.0	27.7	6.29	2.9	27.6	7.19	6.0	30.6
2	7.32	3.5	32.6	7.22	3.9	32.8	8.08	5.7	31.2
3	8.17	3.1	31.8	8.11	3.4	32.1	8.85	4.9	29.1
4	9.74	4.4	35.5	9.58	5.5	34.2	10.07	7.4	38.4
5	12.23	16.5	36.1	—	—	—	—	—	—
Food preparation, n.e.c.	6.77	1.3	26.0	6.57	1.4	25.9	8.90	2.0	27.2
1	6.35	1.3	24.1	6.25	1.3	24.0	7.86	2.3	25.3
2	6.93	2.2	27.9	6.69	2.4	28.2	8.83	5.9	25.9
3	7.92	2.2	31.6	7.52	2.0	31.8	9.70	2.8	30.6
4	8.14	6.1	35.1	7.72	5.6	35.2	11.81	5.8	34.5
Health service	9.35	1.7	33.3	9.06	2.0	32.8	11.09	2.0	36.9
1	7.55	2.5	30.7	7.44	2.7	30.3	8.22	5.0	33.9
2	7.98	1.4	33.8	7.78	1.2	33.5	9.63	4.7	37.0
3	8.80	1.6	33.1	8.51	1.5	32.6	10.56	2.5	36.1
4	10.50	2.6	33.3	10.38	3.0	32.8	11.31	2.8	37.5
5	12.20	2.4	37.0	11.65	4.1	36.4	13.05	3.4	38.1
6	15.58	8.2	35.3	15.76	8.8	34.7	14.40	4.5	39.4

See footnotes at end of table.

TABLE 2-4. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1999—Continued

Occupation and level	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
Service—Continued									
Health service—Continued									
7	—	—	—	—	—	—	\$17.06	6.9	39.6
8	\$16.34	6.7	34.8	\$16.34	6.7	34.8	—	—	—
Dental assistants	12.34	8.2	30.4	12.36	8.3	30.3	11.13	11.1	40.0
3	9.60	7.4	35.4	9.61	7.5	35.4	—	—	—
4	12.48	9.6	30.4	12.49	9.9	30.1	—	—	—
5	10.43	5.8	38.3	—	—	—	—	—	—
Health aides, except nursing	10.05	2.2	32.6	9.65	2.8	31.8	11.86	3.3	36.9
1	8.20	3.3	30.0	8.33	3.2	30.1	—	—	—
2	8.23	3.2	31.1	7.87	2.3	30.7	10.56	9.5	34.7
3	9.12	2.3	31.2	8.68	2.2	30.2	10.99	3.5	36.4
4	10.44	2.0	32.6	10.22	2.2	31.8	11.81	5.0	38.5
5	12.21	3.8	36.7	12.13	4.9	36.8	12.37	6.4	36.4
6	13.85	4.5	36.5	13.30	6.1	35.3	14.96	4.1	39.2
7	15.20	5.0	37.2	13.47	14.4	31.4	—	—	—
8	16.10	7.4	33.4	16.10	7.4	33.4	—	—	—
Nursing aides, orderlies and attendants	8.79	1.3	33.9	8.45	1.4	33.5	10.80	2.4	36.9
1	7.30	3.1	31.0	7.07	3.1	30.4	8.48	5.3	34.5
2	7.94	1.5	34.5	7.76	1.4	34.1	9.45	4.9	37.5
3	8.66	1.4	33.2	8.35	1.3	32.8	10.46	3.0	36.0
4	10.07	3.2	34.5	9.94	3.7	34.2	10.96	3.8	36.8
5	12.28	2.8	37.3	10.97	3.6	35.5	13.70	2.3	39.5
6	12.19	5.6	32.1	12.02	7.0	30.6	—	—	—
7	17.04	9.5	38.2	13.90	14.4	34.9	17.93	10.7	39.2
Cleaning and building service	9.14	1.5	33.4	8.71	1.7	32.4	10.96	1.5	38.4
1	7.81	1.6	30.2	7.62	1.8	29.5	9.20	2.7	37.0
2	8.67	2.0	33.5	8.30	2.2	32.3	9.92	2.2	38.4
3	10.12	2.5	37.2	9.47	2.6	36.5	11.55	2.8	38.9
4	10.69	5.8	39.5	10.34	6.3	39.5	12.56	2.0	39.4
5	13.21	3.2	39.4	12.95	4.5	39.3	14.08	4.0	39.9
6	13.17	3.2	40.1	13.06	3.4	40.2	13.53	8.0	39.9
7	16.69	4.4	40.0	15.94	4.3	40.0	17.67	7.5	40.0
8	20.75	12.2	40.0	23.61	11.8	40.3	15.38	9.9	39.4
9	29.12	4.2	39.5	—	—	—	—	—	—
Not able to be leveled	13.27	5.2	36.2	—	—	—	—	—	—
Supervisors, cleaning and building service workers	10.73	7.9	39.3	10.20	7.2	39.3	14.71	6.0	39.7
2	8.19	5.1	40.0	—	—	—	—	—	—
3	—	—	—	—	—	—	10.22	5.7	39.8
4	—	—	—	—	—	—	12.87	4.8	39.6
5	12.08	6.0	38.5	11.69	7.9	38.0	13.02	6.5	39.7
6	13.31	4.4	40.2	12.95	4.3	40.3	16.26	7.9	39.7
7	17.75	6.3	40.0	16.67	5.2	40.1	18.99	11.0	39.9
8	20.75	12.2	40.0	23.61	11.8	40.3	15.38	9.9	39.4
9	29.12	4.2	39.5	—	—	—	—	—	—
Maids and housemen	7.44	2.3	33.9	7.42	2.4	33.8	8.28	5.5	36.2
1	7.09	3.0	33.9	7.07	3.1	33.9	7.73	8.6	34.9
2	7.43	2.2	32.6	7.42	2.3	32.3	7.62	4.4	38.1
3	9.08	5.2	35.9	8.95	5.3	35.9	—	—	—
4	12.41	7.9	38.6	12.35	8.2	38.5	—	—	—
Janitors and cleaners	9.27	1.8	32.3	8.77	2.1	30.7	10.78	1.5	38.3
1	8.06	1.8	29.1	7.84	2.0	28.0	9.28	2.6	37.1
2	9.04	2.4	33.7	8.65	2.9	32.2	10.06	2.4	38.4
3	10.64	1.9	36.9	9.92	2.3	35.5	11.58	3.0	38.9
4	11.14	2.0	39.0	10.56	2.3	38.8	12.46	2.1	39.3
5	13.65	3.0	39.9	13.37	4.0	39.9	14.77	4.7	40.1
6	12.48	5.0	40.0	12.52	3.9	40.0	12.43	9.1	40.0
7	15.40	3.3	40.0	15.12	4.7	39.9	15.82	1.6	40.0
Elevator operators	13.26	6.3	39.1	—	—	—	—	—	—
Pest control	11.07	10.0	40.0	11.01	10.2	40.0	—	—	—
4	12.33	3.6	40.0	12.27	3.7	40.0	—	—	—
Personal service	8.93	2.2	29.8	8.81	2.5	30.1	9.81	2.7	28.1

See footnotes at end of table.

TABLE 2-4. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1999—Continued

Occupation and level	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
Service—Continued									
Personal service—Continued									
1	\$6.14	3.7	25.5	\$5.98	3.7	26.2	\$7.68	3.2	20.5
2	6.53	3.6	29.4	6.34	3.3	29.7	8.46	2.6	27.4
3	8.12	3.0	31.3	7.92	3.5	31.6	9.16	3.1	29.8
4	10.20	3.5	33.1	10.09	4.0	33.1	10.99	5.5	32.6
5	15.66	7.4	28.3	16.17	8.7	27.7	12.74	4.3	32.6
6	15.39	11.6	32.0	15.63	12.4	32.3	13.34	10.3	29.6
7	—	—	—	—	—	—	15.53	9.6	39.4
8	17.94	5.7	39.8	16.75	5.1	40.5	—	—	—
Not able to be leveled	10.44	10.6	33.3	10.62	5.2	35.6	10.20	24.2	30.5
Supervisors, personal service	15.89	10.4	39.0	15.92	10.7	39.4	15.19	10.8	32.5
3	9.48	3.0	28.9	9.57	2.8	28.4	—	—	—
4	9.09	2.9	37.9	9.09	3.0	39.7	—	—	—
5	10.72	8.8	38.1	10.71	9.1	38.6	—	—	—
6	13.55	4.3	37.7	13.86	4.6	39.1	11.11	7.9	29.7
8	18.99	5.6	40.3	18.55	5.9	40.9	—	—	—
Hairdressers and cosmetologists	9.79	5.6	29.8	9.79	5.6	29.8	—	—	—
2	7.32	11.3	34.5	7.31	11.3	34.5	—	—	—
3	9.65	11.7	28.0	9.65	11.7	28.0	—	—	—
4	9.93	8.0	32.8	9.93	8.0	32.8	—	—	—
Attendants, amusement, and recreation facilities	6.41	5.5	29.0	6.26	5.2	29.7	7.93	5.1	24.2
1	6.04	2.3	22.8	5.99	2.7	23.6	6.21	2.6	20.4
2	—	—	—	—	—	—	7.62	7.4	24.6
3	7.23	5.0	32.7	7.21	5.3	33.9	7.38	6.1	21.3
4	9.16	6.3	32.9	8.05	7.0	32.1	10.60	5.5	33.9
Guides	11.14	11.2	30.7	10.89	12.7	31.8	13.40	26.2	23.4
1	7.84	5.7	22.2	7.86	7.2	24.4	—	—	—
3	7.27	4.8	26.8	7.28	6.1	27.2	—	—	—
Ushers	5.93	4.3	15.7	5.92	4.3	16.2	6.41	1.3	4.2
1	5.84	4.4	15.8	5.83	4.5	16.4	—	—	—
2	6.37	9.8	15.3	6.37	9.8	15.3	—	—	—
3	7.93	3.2	11.7	—	—	—	—	—	—
Public transportation attendants	26.33	7.6	21.4	27.60	8.0	20.7	13.13	13.8	32.6
1	8.67	8.7	28.1	8.45	15.7	25.2	—	—	—
3	10.26	7.7	36.4	—	—	—	—	—	—
4	24.14	4.0	21.1	25.10	2.6	19.7	—	—	—
5	32.24	6.7	19.9	—	—	—	—	—	—
6	19.89	8.9	25.1	19.89	8.9	25.1	—	—	—
Baggage porters and bellhops	6.98	5.9	35.3	6.98	5.9	35.3	—	—	—
1	5.76	9.2	34.7	5.76	9.2	34.7	—	—	—
2	5.81	7.7	36.9	5.81	7.7	36.9	—	—	—
3	8.11	8.1	35.3	8.11	8.1	35.3	—	—	—
Welfare service aides	7.59	4.8	29.0	7.30	4.8	28.3	9.78	6.6	35.0
1	5.60	3.1	24.8	5.56	3.2	24.3	—	—	—
2	6.87	2.8	28.5	6.80	2.9	28.3	8.29	5.8	31.8
3	8.22	5.2	32.9	8.07	6.0	32.8	9.25	7.7	33.6
4	9.76	4.6	34.1	8.99	4.8	33.5	12.35	4.8	36.3
5	11.44	7.2	24.9	—	—	—	13.64	8.8	37.8
6	12.93	7.5	34.8	13.85	6.0	33.4	—	—	—
Early childhood teachers' assistants	7.02	3.4	30.4	6.37	2.5	30.1	9.20	2.9	31.3
1	6.42	5.0	25.7	5.81	3.2	25.7	8.57	2.4	25.5
2	6.39	3.9	30.9	6.08	2.9	30.6	8.36	3.9	33.1
3	7.45	7.5	31.3	6.33	5.9	31.0	9.44	4.0	31.8
4	8.12	5.7	33.1	7.52	5.7	32.9	9.57	8.8	33.6
5	8.35	21.3	37.3	—	—	—	—	—	—
6	10.53	15.7	28.1	9.06	23.2	24.0	—	—	—
7	8.85	9.8	33.9	—	—	—	—	—	—

See footnotes at end of table.

TABLE 2-4. Selected occupations¹ and levels;² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1999—Continued

Occupation and level	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
Service—Continued									
Personal service—Continued									
Child care workers, n.e.c.	\$8.27	3.2	29.5	\$7.86	3.7	31.5	\$9.93	4.9	23.3
1	6.75	2.6	18.7	6.53	3.0	20.7	7.45	4.6	14.2
2	7.04	7.0	26.8	6.27	5.3	28.3	9.25	2.6	23.3
3	7.67	5.0	33.0	7.33	5.4	34.9	8.74	7.9	28.3
4	9.26	3.1	36.1	8.96	2.2	37.4	12.05	6.2	27.3
5	10.95	4.7	35.8	10.35	4.7	36.2	12.49	6.3	34.9
6	10.18	7.4	26.0	9.38	5.4	28.0	—	—	—
7	10.68	13.0	40.0	9.53	10.1	40.0	—	—	—
8	18.42	20.7	38.2	—	—	—	—	—	—
Service, n.e.c.	8.28	8.4	30.4	8.06	8.8	30.6	11.29	5.4	28.1
1	6.06	7.6	30.5	6.02	7.5	30.9	8.76	5.1	16.4
2	7.48	6.1	28.5	7.46	6.3	28.8	7.90	6.2	22.9
3	9.09	5.8	29.3	9.04	6.1	29.5	9.91	4.9	26.8
4	10.91	3.9	33.6	10.68	4.4	33.1	11.67	7.3	35.4
5	11.00	5.1	31.8	10.39	4.5	31.6	12.44	6.7	32.1
6	19.40	15.0	35.3	19.47	14.9	35.3	—	—	—
7	14.55	16.1	34.5	12.12	15.4	33.3	—	—	—
Not able to be leveled	13.50	13.3	27.6	—	—	—	—	—	—

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

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

³ 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.

⁴ This survey covers all 50 States. Collection was conducted between September 1998 and April 2000. The average reference period was September 1999. For the first time, estimates include workers in private establishments employing fewer than 50 workers.

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

NOTE: Dashes indicate that no data were reported or that data did not meet publication criteria, and n.e.c. means "not elsewhere classified." Overall occupational groups may include data for categories not shown separately.

TABLE 2-5. **Collective bargaining status:¹ Mean hourly earnings ² by occupational group,³ National Compensation Survey,⁴ 1999**

Occupational group	Total		Private industry		State and local government	
	Union	Nonunion	Union	Nonunion	Union	Nonunion
Mean						
All	\$18.31	\$14.76	\$16.57	\$14.46	\$21.07	\$17.80
White collar	22.15	18.32	19.17	18.06	23.76	20.34
White collar, excluding sales	23.08	19.71	21.33	19.59	23.80	20.40
Professional specialty and technical	29.35	23.70	30.04	23.81	29.16	23.25
Professional specialty	29.82	26.09	27.74	26.57	30.19	24.55
Technical	26.56	16.79	33.60	17.03	16.91	14.69
Executive, administrative, and managerial ...	24.34	27.87	26.55	28.02	24.02	26.70
Sales	12.81	12.84	12.72	12.85	15.21	10.24
Administrative support, including clerical	14.16	11.92	15.04	11.97	13.50	11.44
Blue collar	16.70	11.83	16.68	11.79	16.84	12.96
Precision production, craft, and repair	20.75	15.16	21.03	15.16	18.97	15.03
Machine operators, assemblers, and inspectors	14.66	10.41	14.64	10.41	16.18	11.44
Transportation and material moving	16.85	11.29	17.11	11.27	15.85	11.56
Handlers, equipment cleaners, helpers, and laborers	12.94	8.86	12.81	8.80	14.11	10.65
Service	14.52	8.09	11.09	7.64	16.86	11.66
Protective service	19.76	11.53	10.94	8.94	20.54	14.65
Food service	9.48	6.54	8.85	6.47	10.67	8.49
Health service	10.85	8.95	9.85	8.92	12.68	9.36
Cleaning and building service	11.76	8.40	11.17	8.27	12.48	9.32
Personal service	14.49	8.29	17.17	8.25	11.30	8.77
Relative error ⁵ (percent)						
All	1.2	1.5	1.6	1.6	1.1	1.5
White collar	1.8	1.6	3.4	1.8	1.6	1.5
White collar, excluding sales	1.5	1.6	3.5	1.9	1.6	1.4
Professional specialty and technical	1.2	3.0	3.6	3.7	1.1	1.7
Professional specialty	1.1	3.6	3.9	4.6	1.1	1.8
Technical	4.8	1.4	6.4	1.6	2.3	2.1
Executive, administrative, and managerial ...	4.3	1.9	5.4	2.1	4.7	2.0
Sales	9.2	2.8	9.8	2.8	6.2	6.8
Administrative support, including clerical	1.4	1.1	2.8	1.2	1.6	1.0
Blue collar	1.7	.8	1.9	.8	1.4	1.8
Precision production, craft, and repair	1.4	1.0	1.5	1.1	1.9	2.3
Machine operators, assemblers, and inspectors	2.6	2.1	2.7	2.1	7.3	8.1
Transportation and material moving	2.2	2.0	2.7	2.2	1.8	1.9
Handlers, equipment cleaners, helpers, and laborers	2.2	1.6	2.5	1.6	2.9	3.7
Service	1.5	1.0	2.3	1.0	1.6	1.5
Protective service	1.9	2.0	10.6	2.4	1.4	2.1
Food service	1.8	1.5	2.5	1.6	1.6	2.0
Health service	2.5	2.1	3.9	2.2	2.0	3.0
Cleaning and building service	2.1	1.6	3.6	1.8	1.7	1.9
Personal service	4.7	2.8	7.2	3.0	4.1	2.5

¹ Union workers are those whose wages are determined through collective bargaining.

² 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.

³ A classification system including about 480 individual occupations is used to cover all workers in the civilian economy. For more information,

see appendix B.

⁴ This survey covers all 50 States. Collection was conducted between September 1998 and April 2000. The average reference period was September 1999. For the first time, estimates include workers in private establishments employing fewer than 50 workers.

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.

TABLE 2-6. Time and incentive pay:¹ Mean hourly earnings² and weekly hours by occupational group³ in private industry, National Compensation Survey,⁴ 1999

Occupational group	Time			Incentive		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
All	\$14.40	1.4	35.5	\$19.60	5.2	37.9
White collar	17.69	1.7	35.7	23.32	5.8	37.3
White collar, excluding sales	19.38	1.7	36.8	29.23	10.0	36.0
Professional specialty and technical	23.89	3.5	35.9	34.38	16.5	29.8
Professional specialty	26.28	4.5	36.0	36.12	18.6	30.0
Technical	18.33	1.7	35.6	—	—	—
Executive, administrative, and managerial ...	27.54	1.7	40.1	35.31	14.5	42.3
Sales	10.54	2.4	31.6	20.66	3.7	37.9
Administrative support, including clerical	12.15	1.1	36.0	13.36	5.8	35.9
Blue collar	12.84	1.1	38.2	14.48	3.5	40.0
Precision production, craft, and repair	16.40	1.3	39.6	17.98	4.9	40.3
Machine operators, assemblers, and inspectors	11.36	2.2	39.4	11.88	7.3	39.5
Transportation and material moving	12.50	2.1	37.5	15.29	5.0	43.2
Handlers, equipment cleaners, helpers, and laborers	9.70	2.5	35.4	10.77	4.8	34.7
Service	7.86	.9	30.4	10.52	4.6	35.0
Protective service	9.12	2.4	33.9	—	—	—
Food service	6.51	1.5	28.6	10.95	9.7	43.0
Health service	9.06	2.0	32.8	—	—	—
Cleaning and building service	8.64	1.6	32.2	10.93	12.2	37.3
Personal service	8.63	2.7	29.8	10.30	5.8	32.8

¹ 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.

² 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.

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

⁴ This survey covers all 50 States. Collection was conducted between September 1998 and April 2000. The average reference period was September 1999. For the first time, estimates include workers in private establishments employing fewer than 50 workers.

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

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

TABLE 3-1. **Goods-producing and service-producing industries: Mean hourly earnings¹ and weekly hours by occupational group² in private industry, National Compensation Survey,³ 1999**

Occupational group	Goods-producing industries			Service-producing industries		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁴ (percent)		Mean	Relative error ⁴ (percent)	
All	\$16.17	1.5	39.5	\$14.16	1.8	34.4
White collar	22.98	1.7	39.6	17.20	2.1	35.1
White collar, excluding sales	22.94	1.8	39.7	18.90	2.3	36.1
Professional specialty and technical	25.85	1.3	40.1	23.75	4.4	34.7
Professional specialty	28.91	1.4	40.3	26.06	5.5	34.8
Technical	18.61	1.3	39.6	18.23	2.1	34.6
Executive, administrative, and managerial ...	30.72	2.6	40.7	27.02	2.8	40.1
Sales	23.47	4.0	38.5	12.37	2.8	32.6
Administrative support, including clerical	13.28	1.6	38.5	11.97	1.2	35.6
Blue collar	13.52	1.4	39.6	12.19	1.1	36.7
Precision production, craft, and repair	16.69	1.5	39.8	16.18	1.7	39.4
Machine operators, assemblers, and inspectors	12.02	1.7	39.7	8.77	1.9	38.0
Transportation and material moving	13.72	2.7	39.6	12.44	2.5	37.5
Handlers, equipment cleaners, helpers, and laborers	10.43	1.7	39.1	9.30	3.6	33.4
Service	11.66	4.6	34.3	7.86	.9	30.5
Protective service	14.41	10.3	37.6	8.87	2.1	33.7
Food service	—	—	—	6.57	1.5	28.7
Health service	—	—	—	9.06	2.0	32.8
Cleaning and building service	11.57	3.9	35.4	8.46	1.5	32.1
Personal service	—	—	—	8.83	2.5	30.1

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, 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 A classification system including about 480 individual occupations is used to cover all workers in the civilian economy. For more information, see appendix B.

³ This survey covers all 50 States. Collection was conducted between September 1998 and April 2000. The average reference

period was September 1999. For the first time, estimates include workers in private establishments employing fewer than 50 workers.

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

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

TABLE 3-2. Major industry division: Mean hourly earnings¹ and weekly hours by occupational group² in private industry, National Compensation Survey,³ 1999

Occupational group	Mining			Construction			Manufacturing		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁴ (percent)		Mean	Relative error ⁴ (percent)		Mean	Relative error ⁴ (percent)	
All	\$20.74	5.2	39.7	\$16.63	2.4	39.4	\$15.96	1.7	39.6
White collar	26.74	5.4	39.8	19.95	4.4	39.7	23.36	1.9	39.6
White collar, excluding sales	26.74	5.4	39.8	19.93	4.7	39.9	23.32	2.0	39.6
Professional specialty and technical	32.15	7.0	40.2	22.81	6.7	40.7	25.78	1.3	40.1
Professional specialty	36.66	3.5	40.2	26.58	5.9	41.2	28.76	1.5	40.2
Technical	18.90	6.1	40.0	16.93	7.7	39.9	18.68	1.4	39.6
Executive, administrative, and managerial	33.26	5.6	40.4	24.37	3.2	41.0	32.64	2.6	40.6
Sales	27.80	9.4	40.0	20.22	8.2	37.2	23.99	4.4	38.7
Administrative support, including clerical	15.27	9.0	39.0	13.16	6.8	38.2	13.25	1.4	38.5
Blue collar	17.42	6.8	39.9	15.78	2.3	39.5	12.84	1.5	39.7
Precision production, craft, and repair	19.94	5.4	40.1	17.69	2.4	39.5	15.89	1.8	39.9
Machine operators, assemblers, and inspectors	14.52	7.0	40.0	14.44	6.6	40.1	11.99	1.7	39.7
Transportation and material moving	16.38	7.4	40.1	15.53	5.4	40.0	12.80	2.8	39.4
Handlers, equipment cleaners, helpers, and laborers	9.57	7.7	38.9	10.92	3.6	39.0	10.23	1.8	39.1
Service	10.15	9.6	20.8	9.83	7.1	21.1	11.72	4.7	35.1
Protective service	-	-	-	-	-	-	14.57	10.4	37.5
Food service	-	-	-	-	-	-	-	-	-
Health service	-	-	-	-	-	-	-	-	-
Cleaning and building service	-	-	-	9.46	7.9	18.4	11.63	3.9	36.7
Personal service	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

TABLE 3-2. Major industry division: Mean hourly earnings¹ and weekly hours by occupational group² in private industry, National Compensation Survey,³ 1999—Continued

Occupational group	Transportation and public utilities			Wholesale trade			Retail trade		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁴ (percent)		Mean	Relative error ⁴ (percent)		Mean	Relative error ⁴ (percent)	
All	\$18.39	2.2	37.4	\$14.93	6.8	39.3	\$9.63	2.1	30.7
White collar	20.64	3.4	37.2	19.18	5.1	39.2	11.00	2.2	31.7
White collar, excluding sales	20.80	3.5	37.1	18.72	6.6	39.0	14.73	2.9	35.7
Professional specialty and technical	29.66	5.4	33.0	27.07	8.5	39.7	21.05	7.8	34.4
Professional specialty	25.49	5.3	36.5	29.96	7.9	40.0	21.68	8.9	33.8
Technical	34.73	9.2	29.5	18.84	6.3	39.0	17.78	10.2	38.0
Executive, administrative, and managerial	30.60	7.7	41.1	29.32	8.0	41.0	20.46	4.7	42.0
Sales	18.46	11.2	38.9	19.92	5.5	39.4	9.82	2.9	30.6
Administrative support, including clerical	14.13	1.7	37.8	11.73	1.7	38.0	10.37	1.8	33.1
Blue collar	16.35	2.3	38.5	11.78	1.4	39.5	10.59	2.8	32.0
Precision production, craft, and repair	20.72	1.3	39.3	—	—	—	14.93	3.3	38.9
Machine operators, assemblers, and inspectors	13.66	12.8	39.8	—	—	—	8.60	4.4	31.7
Transportation and material moving	14.48	3.5	39.9	11.87	3.3	39.3	9.13	6.0	33.6
Handlers, equipment cleaners, helpers, and laborers	13.53	3.9	33.4	8.92	5.8	38.8	8.89	7.7	29.1
Service	19.16	9.1	26.4	10.34	8.0	25.0	6.49	1.5	28.3
Protective service	15.23	9.0	39.1	—	—	—	10.32	4.6	32.4
Food service	10.06	7.0	37.0	7.22	13.6	32.6	6.34	1.6	28.2
Health service	—	—	—	—	—	—	7.88	3.7	26.3
Cleaning and building service	9.52	13.6	38.6	10.57	8.7	20.6	7.79	3.5	31.3
Personal service	23.34	8.2	23.1	8.86	10.8	34.5	7.86	3.2	29.7

See footnotes at end of table.

TABLE 3-2. Major industry division: Mean hourly earnings¹ and weekly hours by occupational group² in private industry, National Compensation Survey,³ 1999—Continued

Occupational group	Finance, insurance, and real estate			Services		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁴ (percent)		Mean	Relative error ⁴ (percent)	
All	\$17.43	2.7	37.0	\$14.97	3.4	34.4
White collar	18.12	2.9	37.4	18.99	3.6	35.3
White collar, excluding sales	17.80	3.1	37.4	19.54	3.5	35.3
Professional specialty and technical	24.60	4.2	38.4	23.27	5.2	34.5
Professional specialty	27.95	4.0	39.0	25.99	6.4	34.4
Technical	18.59	5.7	37.3	16.47	2.1	34.9
Executive, administrative, and managerial	27.66	5.0	39.8	27.17	4.4	39.3
Sales	20.98	6.2	36.9	12.42	12.0	35.4
Administrative support, including clerical	12.53	2.4	36.3	11.54	2.3	34.8
Blue collar	12.57	4.2	36.8	11.04	3.2	36.9
Precision production, craft, and repair	15.23	4.4	39.5	15.18	3.7	38.9
Machine operators, assemblers, and inspectors	10.97	12.6	39.5	8.03	3.3	37.3
Transportation and material moving	10.77	12.5	31.9	10.75	9.2	33.6
Handlers, equipment cleaners, helpers, and laborers	10.89	8.5	35.5	8.67	5.0	36.3
Service	10.34	3.6	33.3	8.26	1.1	31.8
Protective service	11.34	10.2	29.0	8.53	2.3	34.3
Food service	7.27	7.1	25.7	7.24	5.1	30.7
Health service	8.25	7.0	34.4	9.08	2.0	33.0
Cleaning and building service	10.49	3.1	35.8	8.17	1.5	31.8
Personal service	10.84	8.5	34.1	8.11	3.4	30.6

¹ Earnings are the straight-time hourly wages or salaries paid to employees. They include incentive pay, cost-of-living adjustments, and hazard pay. Excluded are premium pay for overtime, vacations, 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 A classification system including about 480 individual occupations is used to cover all workers in the civilian economy. For more information, see appendix B.

³ This survey covers all 50 States. Collection was

conducted between September 1998 and April 2000. The average reference period was September 1999. For the first time, estimates include workers in private establishments employing fewer than 50 workers.

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

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

TABLE 3-3. **United States, establishment employment size: Mean hourly earnings¹ by occupational group,² National Compensation Survey,³ 1999**

Occupational group	1 to 99 workers ⁴	100 to 499 workers	500 to 999 workers	1,000 to 2,499 workers	2,500 or more workers
	Mean				
All	\$13.46	\$14.71	\$17.35	\$17.05	\$21.02
White collar	16.19	18.69	21.64	20.70	23.24
White collar, excluding sales	17.72	19.82	22.08	21.92	23.33
Professional specialty and technical	23.46	22.62	25.98	25.02	27.35
Professional specialty	26.90	24.39	28.58	26.78	28.38
Technical	16.45	16.85	16.60	18.04	22.50
Executive, administrative, and managerial ...	25.05	29.30	31.30	30.01	28.42
Sales	12.60	13.69	14.60	10.23	17.81
Administrative support, including clerical	11.73	12.07	12.61	12.82	13.35
Blue collar	12.39	12.38	13.98	14.94	17.87
Precision production, craft, and repair	15.71	16.48	17.29	17.99	19.75
Machine operators, assemblers, and inspectors	9.94	10.69	12.37	14.39	18.63
Transportation and material moving	11.57	13.49	16.21	14.99	15.84
Handlers, equipment cleaners, helpers, and laborers	9.64	9.29	10.98	10.98	13.34
Service	7.44	8.91	10.69	10.01	14.93
Protective service	10.42	11.94	14.33	14.13	19.63
Food service	6.32	7.24	7.89	7.06	9.48
Health service	9.44	8.50	9.70	9.94	10.90
Cleaning and building service	8.42	8.96	10.59	9.37	10.92
Personal service	7.87	8.57	8.55	9.31	14.41
	Relative error ⁵ (percent)				
All	2.2	2.3	1.5	6.2	1.0
White collar	3.2	2.4	1.5	4.1	1.2
White collar, excluding sales	3.9	2.5	1.5	1.1	1.2
Professional specialty and technical	9.5	2.7	1.9	1.2	1.0
Professional specialty	11.7	3.8	1.9	1.2	1.0
Technical	3.3	1.7	1.8	2.4	3.4
Executive, administrative, and managerial ...	3.7	3.9	2.4	2.2	2.9
Sales	3.0	5.3	5.3	11.7	5.9
Administrative support, including clerical	2.0	1.0	1.1	1.2	1.0
Blue collar	1.4	1.2	2.8	2.6	2.0
Precision production, craft, and repair	1.7	1.7	3.2	2.9	2.5
Machine operators, assemblers, and inspectors	2.9	3.0	2.5	2.3	2.5
Transportation and material moving	2.9	1.7	6.5	4.4	1.9
Handlers, equipment cleaners, helpers, and laborers	3.6	3.3	4.4	5.9	3.2
Service	1.6	1.2	2.6	6.7	2.1
Protective service	7.6	3.2	4.8	7.0	1.7
Food service	1.7	1.4	2.6	13.6	2.1
Health service	4.6	1.2	3.3	2.2	2.7
Cleaning and building service	2.2	2.7	4.1	2.8	2.2
Personal service	4.1	2.1	6.1	1.9	8.1

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, 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 A classification system including about 480 individual occupations is used to cover all workers in the civilian economy. For more information, see appendix B.

³ This survey covers all 50 States. Collection was conducted between September 1998 and April 2000. The average reference

period was September 1999. For the first time, estimates include workers in private establishments employing fewer than 50 workers.

⁴ Estimates include private establishments employing 1 to 99 workers and State and local government establishments employing 50 to 99 workers.

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.

TABLE 3-4. Private Industry, establishment employment size: Mean hourly earnings¹ by occupational group,² National Compensation Survey,³ 1999

Occupational group	1 to 99 workers	100 to 499 workers	500 to 999 workers	1,000 to 2,499 workers	2,500 or more workers
	Mean				
All	\$13.44	\$14.37	\$16.61	\$16.34	\$21.96
White collar	16.16	18.38	21.09	20.09	24.63
White collar, excluding sales	17.72	19.64	21.62	21.80	24.83
Professional specialty and technical	23.53	21.97	24.95	24.57	28.52
Professional specialty	27.18	23.72	28.65	26.71	29.22
Technical	16.47	17.22	16.86	18.60	26.49
Executive, administrative, and managerial ...	25.11	29.66	31.97	30.86	31.79
Sales	12.60	13.70	14.84	10.20	18.41
Administrative support, including clerical	11.75	12.14	12.81	13.12	13.84
Blue collar	12.39	12.33	13.95	14.91	18.73
Precision production, craft, and repair	15.71	16.48	17.46	18.18	20.87
Machine operators, assemblers, and inspectors	9.94	10.68	12.36	14.39	18.76
Transportation and material moving	11.59	13.48	16.63	15.41	17.22
Handlers, equipment cleaners, helpers, and laborers	9.63	9.21	10.94	10.75	13.32
Service	7.36	8.10	8.55	8.61	12.15
Protective service	9.05	8.31	8.99	9.91	14.18
Food service	6.32	7.12	7.57	6.57	9.30
Health service	9.49	8.42	8.83	9.59	9.91
Cleaning and building service	8.41	8.71	9.65	8.77	10.54
Personal service	7.87	8.46	7.94	–	17.78
	Relative error ⁴ (percent)				
All	2.2	2.5	1.9	8.1	1.6
White collar	3.3	2.9	1.9	5.7	1.4
White collar, excluding sales	4.0	3.0	1.9	1.4	1.4
Professional specialty and technical	9.8	3.3	2.5	1.5	1.5
Professional specialty	12.2	4.9	2.7	1.4	1.2
Technical	3.3	1.8	1.9	2.7	4.7
Executive, administrative, and managerial ...	3.7	4.2	2.8	2.7	1.8
Sales	3.0	5.3	5.5	11.7	6.4
Administrative support, including clerical	2.0	1.1	1.4	1.5	1.3
Blue collar	1.4	1.2	3.0	3.0	2.7
Precision production, craft, and repair	1.7	1.8	3.5	3.5	3.8
Machine operators, assemblers, and inspectors	2.9	3.0	2.6	2.3	2.5
Transportation and material moving	3.0	1.8	7.2	6.2	2.9
Handlers, equipment cleaners, helpers, and laborers	3.6	3.3	4.7	6.4	4.5
Service	1.6	1.1	2.6	3.7	4.3
Protective service	9.0	2.0	4.0	3.4	6.4
Food service	1.7	1.5	3.0	14.2	3.0
Health service	4.7	1.1	3.3	2.1	3.2
Cleaning and building service	2.3	3.3	7.0	2.7	5.0
Personal service	4.1	2.2	6.8	–	15.0

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 A classification system including about 480 individual occupations is used to cover all workers in the civilian economy. For more information, see appendix B.

³ This survey covers all 50 States. Collection was conducted between September 1998 and April 2000. The average reference

period was September 1999. For the first time, estimates include workers in private establishments employing fewer than 50 workers.

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

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

TABLE 3-5. State and local government, establishment employment size: Mean hourly earnings¹ by occupational group,² National Compensation Survey,³ 1999

Occupational group	50 to 99 workers	100 to 499 workers	500 to 999 workers	1,000 to 2,499 workers	2,500 or more workers
	Mean				
All	\$15.03	\$17.99	\$19.89	\$19.02	\$20.23
White collar	17.81	20.73	23.00	22.12	22.12
White collar, excluding sales	17.83	20.79	23.14	22.16	22.15
Professional specialty and technical	21.51	24.83	27.60	25.73	26.47
Professional specialty	22.09	26.28	28.51	26.87	27.86
Technical	14.17	14.12	14.69	15.83	16.01
Executive, administrative, and managerial ...	21.20	25.91	28.75	27.40	25.30
Sales	10.91	11.13	10.62	12.22	13.92
Administrative support, including clerical	10.85	11.57	12.00	12.08	12.97
Blue collar	12.13	14.12	14.37	15.12	16.17
Precision production, craft, and repair	14.60	16.29	15.90	17.07	17.99
Machine operators, assemblers, and inspectors	—	11.95	13.13	14.69	15.41
Transportation and material moving	10.74	13.57	14.19	13.88	15.04
Handlers, equipment cleaners, helpers, and laborers	10.99	11.85	11.43	12.67	13.38
Service	11.50	13.14	14.22	13.08	16.04
Protective service	14.84	16.34	17.56	16.26	19.94
Food service	8.03	9.02	9.36	9.45	9.63
Health service	7.80	9.72	11.79	10.80	12.22
Cleaning and building service	9.09	10.46	12.21	10.63	11.11
Personal service	7.91	9.25	10.13	9.58	10.44
	Relative error ⁴ (percent)				
All	3.8	1.5	2.1	1.8	1.1
White collar	3.4	1.6	2.2	1.7	1.5
White collar, excluding sales	3.4	1.6	2.2	1.7	1.5
Professional specialty and technical	4.8	2.0	2.6	1.9	1.5
Professional specialty	4.8	1.8	2.6	2.0	1.5
Technical	6.8	2.5	3.1	3.1	2.3
Executive, administrative, and managerial ...	5.7	2.9	3.3	3.1	4.0
Sales	12.0	7.3	14.5	11.3	8.0
Administrative support, including clerical	2.9	1.8	1.8	2.0	1.4
Blue collar	4.5	2.4	2.6	2.6	1.9
Precision production, craft, and repair	4.6	2.9	3.4	3.9	2.6
Machine operators, assemblers, and inspectors	—	13.6	9.2	8.9	9.9
Transportation and material moving	3.0	3.3	3.3	3.8	2.4
Handlers, equipment cleaners, helpers, and laborers	10.5	3.9	3.6	4.9	4.2
Service	9.3	2.7	3.3	2.6	1.9
Protective service	9.8	2.9	3.8	6.1	1.8
Food service	8.0	3.4	5.7	2.6	2.6
Health service	5.2	5.4	3.5	3.7	2.7
Cleaning and building service	2.8	2.5	3.5	3.4	2.2
Personal service	6.1	6.7	9.5	2.4	3.6

¹ Earnings are the straight-time hourly wages or salaries paid to employees. They include incentive pay, cost-of-living adjustments, and hazard pay. Excluded are premium pay for overtime, vacations, 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 A classification system including about 480 individual occupations is used to cover all workers in the civilian economy. For more information, see appendix B.

³ This survey covers all 50 States. Collection was conducted between September 1998 and April 2000. The average reference

period was September 1999. For the first time, estimates include workers in private establishments employing fewer than 50 workers.

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

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

TABLE 4-1. Summary, metropolitan and nonmetropolitan areas:¹ Mean hourly earnings² and weekly hours by selected characteristics, National Compensation Survey,³ 1999

Worker and establishment characteristics and geographic areas	Total			Metropolitan areas			Nonmetropolitan areas		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁴ (percent)		Mean	Relative error ⁴ (percent)		Mean	Relative error ⁴ (percent)	
Total	\$15.36	1.3	35.8	\$15.63	1.2	35.7	\$12.86	4.9	37.0
Private industry	14.71	1.4	35.7	14.99	1.4	35.5	11.54	5.7	37.1
State and local government	19.34	.7	36.6	20.06	.7	36.6	16.29	2.3	36.6
Worker characteristics:⁵									
White-collar occupations ⁶	18.78	1.4	35.9	18.96	1.4	35.8	16.40	5.0	36.8
Professional specialty and technical ...	24.75	2.3	35.7	25.13	2.5	35.7	21.08	2.0	36.3
Executive, administrative, and managerial	27.67	1.9	39.9	27.83	1.9	40.0	24.80	3.1	39.4
Sales	12.84	2.7	32.9	13.07	2.5	32.7	9.60	9.2	35.7
Administrative support	12.20	.9	36.1	12.30	1.0	36.0	10.81	2.2	37.1
Blue-collar occupations ⁶	13.03	1.0	38.2	13.19	1.1	38.1	11.81	3.8	38.9
Precision production, craft, and repair	16.51	1.2	39.6	16.63	1.2	39.6	15.12	4.5	40.1
Machine operators, assemblers, and inspectors	11.41	2.1	39.4	11.47	2.3	39.3	11.08	4.3	39.8
Transportation and material moving ...	12.92	1.8	37.6	12.95	1.9	37.7	12.60	3.4	36.6
Handlers, equipment cleaners, helpers, and laborers	9.86	2.3	35.5	9.92	2.6	35.3	9.36	4.1	37.3
Service occupations ⁶	9.21	1.1	31.6	9.29	1.1	31.2	8.73	3.0	34.8
Full time	16.20	1.4	39.6	16.53	1.4	39.6	13.20	5.3	39.6
Part time	8.87	1.7	20.5	8.87	1.8	20.5	8.85	4.8	20.8
Union	18.31	1.2	36.5	18.62	1.2	36.3	15.60	3.9	38.1
Nonunion	14.76	1.5	35.6	15.02	1.5	35.5	12.25	5.1	36.8
Time	15.13	1.2	35.7	15.38	1.2	35.5	12.86	5.0	36.9
Incentive	19.60	5.2	37.9	19.87	5.3	37.8	12.69	15.7	39.9
Establishment characteristics:									
Goods producing ⁷	16.17	1.5	39.5	16.70	1.5	39.5	12.68	4.5	40.0
Service producing ⁷	14.16	1.8	34.4	14.39	1.7	34.3	10.59	7.3	35.1
1 to 99 workers ⁸	13.46	2.2	34.5	13.54	2.3	34.5	11.54	2.5	35.2
100 to 499 workers	14.71	2.3	36.5	15.03	2.7	36.5	12.84	3.1	36.6
500 to 999 workers	17.35	1.5	37.0	17.76	1.5	36.8	15.47	4.6	38.1
1,000 to 2,499 workers	17.05	6.2	36.8	18.70	1.3	36.4	11.60	15.6	38.2
2,500 workers or more	21.02	1.0	37.4	21.03	1.1	37.3	20.30	5.1	40.1
Geographic areas:⁹									
New England	17.18	4.2	34.6	17.35	4.4	34.6	15.21	6.9	34.8
Middle Atlantic	17.84	3.7	34.8	17.93	3.8	34.8	14.93	3.6	35.6
East North Central	15.55	1.8	35.6	15.75	1.9	35.4	13.83	3.7	36.7
West North Central	14.37	2.8	35.3	14.73	3.0	35.1	12.70	5.8	36.5
South Atlantic	14.49	2.9	36.3	14.71	3.0	36.2	12.60	6.3	37.4
East South Central	12.13	5.0	37.6	12.87	1.5	37.4	9.72	9.6	38.1
West South Central	14.38	3.5	36.8	14.42	3.7	36.8	13.90	5.1	37.3
Mountain	14.10	2.9	35.7	13.94	3.2	35.6	15.78	2.4	36.2
Pacific	16.87	1.7	35.3	16.92	1.8	35.3	15.45	4.7	36.8

¹ Metropolitan areas can be a Metropolitan Statistical Area (MSA) or Consolidated Metropolitan Statistical Area (CMSA) as defined by the Office of Management and Budget, 1994. Nonmetropolitan areas are counties that do not fit the definitions above. For more information, see appendix E.

² 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.

³ This survey covers all 50 States. Collection was conducted between September 1998 and April 2000. The average reference period was September 1999. For the first time, estimates include workers in private establishments employing fewer than 50 workers.

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 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.

⁶ A classification system including about 480 individual occupations is used to cover all workers in the civilian economy. See appendix B for more information.

⁷ Classification of establishments into goods-producing and service-producing industries applies to private industry only.

⁸ Estimates include private establishments employing 1 to 99 workers and State and local government establishments employing 50 to 99 workers.

⁹ See appendix E for a list of survey areas and States comprising the nine census divisions.

TABLE 4-2. **United States: Mean hourly earnings¹ and weekly hours by metropolitan and nonmetropolitan areas² for selected occupations, National Compensation Survey,³ 1999**

Occupation ⁴	Total			Metropolitan			Nonmetropolitan		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
All	\$15.36	1.3	35.8	\$15.63	1.2	35.7	\$12.86	4.9	37.0
All, excluding sales	15.63	1.3	36.1	15.91	1.3	36.0	13.09	4.0	37.1
White collar	18.78	1.4	35.9	18.96	1.4	35.8	16.40	5.0	36.8
White collar, excluding sales	20.16	1.4	36.7	20.35	1.5	36.6	17.83	1.8	37.0
Professional specialty and technical	24.75	2.3	35.7	25.13	2.5	35.7	21.08	2.0	36.3
Professional specialty	26.87	2.8	35.7	27.26	3.0	35.7	23.17	2.2	36.2
Engineers, architects, and surveyors	29.36	3.4	40.5	29.53	3.5	40.5	24.71	4.7	40.5
Architects	20.94	8.5	39.7	20.90	8.5	39.7	-	-	-
Aerospace engineers	32.75	3.9	40.1	32.75	3.9	40.1	-	-	-
Metallurgical and materials engineers	27.98	4.8	40.2	27.98	4.8	40.2	-	-	-
Petroleum engineers	33.58	8.7	40.2	33.58	8.7	40.2	-	-	-
Chemical engineers	35.42	3.4	40.0	35.23	3.9	40.0	-	-	-
Nuclear engineers	34.01	2.2	40.7	33.81	2.6	40.8	-	-	-
Civil engineers	26.57	3.4	40.4	26.91	3.5	40.3	23.10	8.7	40.8
Electrical and electronic engineers	32.10	3.5	41.0	32.15	3.5	41.0	-	-	-
Industrial engineers	24.85	4.9	40.6	25.09	5.3	40.5	-	-	-
Mechanical engineers	24.89	3.5	41.1	24.83	3.4	41.1	-	-	-
Engineers, n.e.c.	34.34	8.5	40.4	34.75	8.6	40.4	23.12	12.5	40.0
Surveyors and mapping scientists	28.52	8.4	39.8	29.01	8.0	39.8	-	-	-
Mathematical and computer scientists	28.34	2.3	40.0	28.44	2.3	40.0	24.40	8.4	39.6
Computer systems analysts and scientists	28.49	2.4	40.0	28.64	2.4	40.0	22.59	4.7	39.5
Operations and systems researchers and analysts	27.70	6.2	39.8	27.56	6.2	39.8	-	-	-
Actuaries	30.75	8.8	38.6	30.75	8.8	38.6	-	-	-
Statisticians	23.93	7.9	38.3	24.05	7.9	38.2	-	-	-
Mathematical scientists, n.e.c.	33.44	18.1	40.0	33.44	18.1	40.0	-	-	-
Natural scientists	26.23	2.3	39.7	26.61	2.4	39.7	20.83	5.7	39.9
Physicists and astronomers	37.84	7.6	40.0	37.84	7.6	40.0	-	-	-
Chemists, except biochemists	29.16	3.9	40.2	29.16	3.9	40.2	-	-	-
Atmospheric and space scientists	23.21	14.5	41.3	23.21	14.5	41.3	-	-	-
Geologists and geodesists	28.27	8.4	41.4	28.27	8.4	41.4	-	-	-
Physical scientists, n.e.c.	26.44	4.3	39.8	26.80	4.5	39.8	-	-	-
Agricultural and food scientists	22.91	8.6	39.8	22.48	9.4	39.8	-	-	-
Biological and life scientists	23.03	4.4	39.4	23.32	4.6	39.4	-	-	-
Forestry and conservation scientists	21.26	5.9	40.1	22.97	11.5	40.7	20.33	5.8	39.9
Medical scientists	25.04	7.0	38.5	25.30	7.0	38.4	-	-	-
Health related	27.12	10.7	34.1	27.79	11.7	34.1	21.87	5.9	34.6
Physicians	63.07	23.0	36.7	62.88	24.1	36.5	67.15	9.0	41.6
Dentists	40.34	11.0	30.9	40.34	11.0	30.9	-	-	-
Optometrists	38.37	4.3	37.3	36.00	3.8	35.5	-	-	-
Registered nurses	21.14	1.2	33.4	21.48	1.5	33.3	18.86	5.0	34.0
Pharmacists	27.17	7.3	33.2	27.25	7.9	33.1	26.06	5.1	33.8
Dietitians	17.68	3.7	36.7	17.92	3.4	36.6	-	-	-
Respiratory therapists	18.07	1.8	34.8	18.33	1.8	34.4	16.53	5.5	37.5
Occupational therapists	22.38	7.1	34.0	22.33	7.4	33.9	-	-	-
Physical therapists	23.84	4.4	36.0	24.13	5.1	35.6	21.39	4.8	39.3
Speech therapists	24.72	5.6	33.7	24.53	6.4	34.2	25.86	6.1	30.9
Therapists, n.e.c.	18.43	6.0	35.8	18.86	6.4	36.0	15.14	6.9	34.8
Physicians' assistants	32.55	6.8	39.3	-	-	-	-	-	-
Teachers, college and university	35.61	2.0	32.4	36.31	2.2	31.7	31.32	4.8	37.8
Earth, environmental, and marine science teachers	34.21	10.3	37.0	34.77	13.0	36.2	-	-	-
Biological science teachers	37.78	7.5	36.8	39.11	9.6	33.5	-	-	-
Chemistry teachers	37.45	12.4	40.3	41.48	13.2	36.4	-	-	-
Physics teachers	49.29	12.0	37.0	54.14	8.2	36.4	-	-	-
Natural science teachers, n.e.c.	41.45	5.3	37.9	42.09	5.8	37.7	-	-	-
Psychology teachers	33.91	8.7	34.9	33.88	8.9	34.8	-	-	-
Economics teachers	40.51	7.1	48.0	44.05	14.5	35.1	-	-	-
History teachers	35.25	6.1	37.9	35.60	6.3	38.4	-	-	-
Political science teachers	38.49	14.0	37.0	40.37	15.2	36.5	-	-	-
Sociology teachers	40.51	7.8	37.4	40.92	7.9	37.9	-	-	-
Social science teachers, n.e.c.	36.69	3.4	38.2	37.83	3.1	38.2	-	-	-
Engineering teachers	43.57	10.0	38.7	45.39	11.8	35.8	-	-	-
Mathematical science teachers	35.92	8.3	34.9	37.14	8.3	35.1	-	-	-
Computer science teachers	30.93	12.6	29.6	31.49	13.5	29.4	-	-	-

See footnotes at end of table.

TABLE 4-2. **United States: Mean hourly earnings¹ and weekly hours by metropolitan and nonmetropolitan areas² for selected occupations, National Compensation Survey,³ 1999—Continued**

Occupation ⁴	Total			Metropolitan			Nonmetropolitan		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar —Continued									
Professional specialty and technical —Continued									
Professional specialty —Continued									
Teachers, college and university —Continued									
Medical science teachers	\$49.02	6.7	36.8	\$49.27	6.9	36.6	—	—	—
Health specialties teachers	33.85	8.0	36.1	34.24	8.3	36.3	\$26.63	4.8	32.8
Business, commerce, and marketing teachers	37.46	7.4	35.2	37.48	8.3	35.0	37.28	7.5	36.7
Agriculture and forestry teachers	43.40	24.3	35.3	—	—	—	46.36	22.8	34.7
Art, drama, and music teachers	29.65	6.2	32.2	28.34	5.9	31.8	38.70	15.0	35.4
Physical education teachers	34.03	9.0	28.3	35.30	10.6	27.9	—	—	—
Education teachers	35.69	8.5	33.3	36.22	9.3	32.6	32.11	5.8	39.3
English teachers	37.74	9.8	34.6	38.53	10.6	34.6	30.64	10.9	34.1
Foreign language teachers	26.98	18.9	31.1	34.30	8.7	25.9	—	—	—
Law teachers	48.64	9.4	36.8	48.64	9.4	36.8	—	—	—
Social work teachers	25.91	9.9	26.6	25.91	9.9	26.6	—	—	—
Theology teachers	37.94	11.6	38.4	43.18	10.4	37.6	—	—	—
Trade and industrial teachers	29.04	3.5	17.3	—	—	—	29.17	3.6	37.9
Other post-secondary teachers	32.28	2.5	29.4	32.89	2.6	29.1	26.79	5.8	32.5
Teachers, except college and university	26.42	1.4	34.6	27.00	1.7	34.3	23.80	1.9	36.0
Prekindergarten and kindergarten	16.33	8.1	35.2	15.86	8.5	35.1	21.52	7.1	36.8
Elementary school teachers	27.82	1.2	36.1	28.83	1.3	35.7	23.65	2.0	37.7
Secondary school teachers	28.70	1.3	36.7	30.10	1.4	36.5	24.44	2.2	37.7
Teachers, special education	27.24	6.1	35.5	27.51	7.0	35.3	25.32	4.1	37.0
Teachers, n.e.c.	26.19	3.5	30.2	26.42	4.0	29.7	24.83	5.6	33.6
Substitute teachers	10.55	4.4	15.4	10.95	4.5	16.3	8.92	13.2	12.4
Vocational and educational counselors	23.79	4.9	36.8	23.80	5.5	36.7	23.70	7.1	37.4
Librarians, archivists, and curators	21.65	4.3	37.3	22.03	4.6	37.4	18.46	11.1	36.2
Librarians	22.01	3.9	37.1	22.33	4.2	37.2	19.49	10.5	36.4
Archivists and curators	19.87	12.3	38.1	20.61	13.5	38.4	—	—	—
Social scientists and urban planners	25.11	3.3	36.7	25.37	3.3	36.5	20.78	8.1	39.7
Economists	28.14	4.7	39.8	28.41	4.6	39.8	—	—	—
Psychologists	25.19	4.0	35.8	25.47	3.9	35.5	21.46	9.7	39.7
Sociologists	18.32	4.9	39.3	18.32	4.9	39.3	—	—	—
Social scientists, n.e.c.	16.10	19.2	37.5	16.10	19.2	37.5	—	—	—
Urban planners	22.69	4.3	36.3	23.25	3.8	36.0	—	—	—
Social, recreation, and religious workers	14.46	6.7	35.0	14.40	7.2	34.7	15.18	3.1	38.3
Social workers	14.51	7.2	35.0	14.43	7.8	34.7	15.46	3.3	38.9
Recreation workers	13.64	3.7	33.1	13.89	3.9	33.0	12.41	11.4	33.5
Clergy	12.89	13.7	42.9	12.89	13.7	42.9	—	—	—
Religious workers, n.e.c.	18.70	18.2	37.1	18.70	18.2	37.1	—	—	—
Lawyers and judges	38.51	3.3	39.4	38.60	3.3	39.6	35.17	20.5	33.6
Lawyers	38.30	3.3	39.5	38.56	3.4	39.7	22.34	5.4	30.1
Judges	48.21	9.7	36.0	43.59	6.5	32.2	—	—	—
Writers, authors, entertainers, athletes, and professionals, n.e.c.	22.86	3.9	32.2	23.05	3.9	32.1	14.24	8.4	34.6
Technical writers	20.71	9.1	38.5	20.71	9.1	38.5	—	—	—
Designers	21.03	6.9	38.9	21.03	6.9	38.9	—	—	—
Musicians and composers	17.27	16.9	17.4	17.28	17.1	17.5	—	—	—
Actors and directors	24.86	20.2	35.4	24.86	20.2	35.4	—	—	—
Painters, sculptors, craft artists, and artist printmakers	19.24	13.6	39.1	19.45	13.8	39.1	—	—	—
Photographers	18.26	8.2	39.5	18.85	8.0	39.4	—	—	—
Dancers	15.82	17.0	19.7	15.82	17.0	19.7	—	—	—
Artists, performers, and related workers, n.e.c.	12.55	10.4	28.7	12.55	10.4	28.7	—	—	—
Editors and reporters	24.30	6.2	38.5	24.35	6.2	38.5	—	—	—
Public relations specialists	22.07	7.5	38.2	23.33	6.7	38.2	13.19	13.0	38.6
Announcers	17.55	29.3	26.2	17.63	29.7	26.5	—	—	—
Athletes	—	—	—	—	—	—	15.02	10.5	32.6
Professional, n.e.c.	26.65	4.9	39.2	26.77	5.0	39.2	—	—	—
Technical	17.91	1.5	35.7	18.31	1.6	35.7	13.75	3.0	36.6
Clinical laboratory technologists and technicians	15.69	3.6	36.9	15.70	3.9	36.7	15.61	7.5	38.6
Dental hygienists	25.72	6.0	22.3	25.74	6.0	22.3	—	—	—
Health record technologists and technicians	11.67	7.2	35.9	11.74	8.1	36.1	11.20	13.9	34.9

See footnotes at end of table.

TABLE 4-2. **United States: Mean hourly earnings¹ and weekly hours by metropolitan and nonmetropolitan areas² for selected occupations, National Compensation Survey,³ 1999—Continued**

Occupation ⁴	Total			Metropolitan			Nonmetropolitan		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar —Continued									
Professional specialty and technical —Continued									
Technical —Continued									
Radiological technicians	\$19.02	5.4	35.6	\$19.39	5.1	35.5	\$14.22	4.2	36.8
Licensed practical nurses	13.40	1.2	34.4	13.83	1.3	34.1	11.83	2.1	35.9
Health technologists and technicians, n.e.c.	13.31	2.2	31.8	13.50	2.4	31.8	11.65	5.3	31.7
Electrical and electronic technicians	18.07	3.5	38.8	18.09	3.7	38.8	17.55	9.9	40.0
Industrial engineering technicians	19.37	5.0	40.4	18.47	5.3	40.5	—	—	—
Mechanical engineering technicians	20.88	4.3	40.0	20.84	4.3	40.0	—	—	—
Engineering technicians, n.e.c.	19.01	2.7	39.4	19.21	2.7	39.4	15.40	6.5	39.8
Drafters	17.95	2.8	39.7	18.01	2.8	39.7	16.63	6.6	39.8
Surveying and mapping technicians	15.27	8.8	39.9	15.26	9.1	39.9	—	—	—
Biological technicians	14.99	8.0	31.1	15.47	9.3	30.1	11.78	11.6	39.6
Chemical technicians	17.84	3.4	39.8	18.51	3.2	39.9	—	—	—
Science technicians, n.e.c.	17.40	2.7	37.4	17.36	2.6	37.1	—	—	—
Airplane pilots and navigators	85.03	10.1	22.6	89.76	9.2	21.8	—	—	—
Broadcast equipment operators	15.31	11.5	36.7	15.30	11.5	36.7	—	—	—
Computer programmers	22.29	3.5	38.8	22.52	3.6	38.8	—	—	—
Tool programmers, numerical control	17.87	5.9	40.2	17.87	5.9	40.2	—	—	—
Legal assistants	16.30	3.5	37.1	16.31	3.6	37.0	—	—	—
Technical and related, n.e.c.	18.15	2.9	38.5	18.58	2.6	38.7	13.84	13.6	37.2
Executive, administrative, and managerial	27.67	1.9	39.9	27.83	1.9	40.0	24.80	3.1	39.4
Executives, administrators, and managers	30.69	2.2	40.5	30.93	2.3	40.6	26.77	3.6	39.4
Legislators	15.74	19.1	12.4	15.06	21.4	14.3	17.66	40.3	9.0
Chief executives and general administrators, public administration	28.96	41.3	45.1	28.12	43.8	45.7	—	—	—
Administrators and officials, public administration ...	26.87	2.6	38.9	28.02	2.9	39.2	22.26	6.8	37.9
Financial managers	32.32	6.8	40.4	32.59	7.1	40.4	27.65	9.2	40.0
Personnel and labor relations managers	29.92	8.7	41.1	30.24	9.7	41.1	27.88	17.2	41.3
Purchasing managers	27.96	3.0	42.8	28.21	3.2	42.8	—	—	—
Managers, marketing, advertising, and public relations	38.03	6.5	40.9	38.13	6.6	41.0	35.23	17.7	39.9
Administrators, education and related fields	32.26	2.7	39.2	32.83	3.1	39.2	29.63	3.3	39.0
Managers, medicine and health	29.73	4.2	38.8	30.38	4.5	38.7	23.30	7.9	40.2
Managers, food servicing and lodging establishments	15.91	4.3	42.3	16.02	4.7	42.1	14.62	8.4	45.1
Managers, properties and real estate	20.74	7.4	39.8	20.74	7.4	39.8	—	—	—
Funeral directors	22.38	10.7	44.9	22.38	10.7	44.9	—	—	—
Managers, service organizations, n.e.c.	28.06	8.4	39.1	28.28	8.6	39.1	21.09	9.3	39.3
Managers and administrators, n.e.c.	31.42	3.5	41.1	31.46	3.6	41.1	29.98	9.2	42.4
Management related	22.19	2.3	39.0	22.30	2.3	39.0	19.16	4.4	39.2
Accountants and auditors	21.14	2.4	39.4	21.26	2.5	39.4	17.62	6.4	39.5
Underwriters	22.24	7.1	39.2	22.51	7.4	39.3	—	—	—
Other financial officers	23.40	4.5	39.7	23.34	4.7	39.7	25.59	6.1	40.0
Management analysts	25.03	4.1	40.1	25.09	4.1	40.1	—	—	—
Personnel, training, and labor relations specialists ..	20.64	3.3	36.3	20.87	3.2	36.1	16.87	16.1	39.5
Purchasing agents and buyers, farm products	16.20	19.0	39.8	14.88	22.5	39.8	—	—	—
Buyers, wholesale and retail trade, except farm products	19.39	5.4	39.9	19.24	5.3	39.9	—	—	—
Purchasing agents and buyers, n.e.c.	23.89	7.0	40.0	24.16	7.1	40.0	16.73	5.1	39.6
Business and promotional agents	14.86	18.7	39.2	14.68	19.6	39.1	—	—	—
Construction inspectors	20.69	3.5	39.4	20.74	3.5	39.5	—	—	—
Inspectors and compliance officers, except construction	20.47	3.6	39.0	20.61	3.8	39.2	17.99	13.8	35.9
Management related, n.e.c.	23.18	6.4	39.0	23.31	6.6	38.9	19.90	6.6	39.4
Sales	12.84	2.7	32.9	13.07	2.5	32.7	9.60	9.2	35.7
Supervisors, sales	16.10	3.6	41.1	16.07	3.6	41.2	16.84	18.3	39.7
Insurance sales	20.13	6.6	38.1	20.13	6.7	38.1	—	—	—
Real estate sales	21.20	17.4	34.1	21.20	17.4	34.1	—	—	—
Securities and financial services sales	32.51	12.0	39.5	32.54	12.0	39.5	—	—	—
Advertising and related sales	23.46	17.2	38.5	24.20	17.3	38.4	—	—	—

See footnotes at end of table.

TABLE 4-2. **United States: Mean hourly earnings¹ and weekly hours by metropolitan and nonmetropolitan areas² for selected occupations, National Compensation Survey,³ 1999—Continued**

Occupation ⁴	Total			Metropolitan			Nonmetropolitan		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar —Continued									
Sales —Continued									
Sales, other business services	\$19.31	6.5	37.7	\$19.38	6.6	37.7	\$13.55	5.0	39.7
Sales engineers	30.60	5.1	41.3	30.57	5.1	41.3	—	—	—
Sales representatives, mining, manufacturing, and wholesale	22.95	4.5	40.4	23.10	4.6	40.3	17.67	21.5	42.5
Sales workers, motor vehicles and boats	20.71	4.5	45.4	20.64	4.7	45.4	—	—	—
Sales workers, apparel	8.99	11.2	26.5	8.99	11.2	26.5	—	—	—
Sales workers, shoes	7.97	6.3	26.6	7.97	6.3	26.6	—	—	—
Sales workers, furniture and home furnishings	11.36	13.4	30.0	11.44	13.5	30.1	—	—	—
Sales workers, radio, tv, hi-fi, and appliances	13.80	11.7	35.4	13.80	11.7	35.4	—	—	—
Sales workers, hardware and building supplies	11.61	5.0	37.4	11.81	5.0	37.3	—	—	—
Sales workers, parts	12.95	7.6	38.7	12.57	7.1	38.7	—	—	—
Sales workers, other commodities	10.62	7.9	29.6	10.63	8.0	29.6	10.03	8.0	32.0
Sales counter clerks	7.35	4.2	30.1	7.33	4.2	30.1	8.54	8.1	29.7
Cashiers	7.96	6.8	29.7	7.94	8.2	28.7	—	—	—
Street and door-to-door sales workers	11.50	22.3	22.7	12.18	23.7	23.1	—	—	—
News vendors	8.50	5.8	23.7	8.60	5.9	27.2	—	—	—
Demonstrators, promoters, and models, sales	23.21	27.4	30.3	23.81	26.4	30.2	—	—	—
Sales support, n.e.c.	11.97	5.2	35.3	11.97	5.3	35.2	—	—	—
Administrative support, including clerical									
Supervisors, general office	12.20	.9	36.1	12.30	1.0	36.0	10.81	2.2	37.1
Supervisors, computer equipment operators	16.35	3.2	39.8	16.37	3.3	39.8	15.65	3.9	40.0
Supervisors, financial records processing	19.44	10.9	40.3	17.99	12.4	40.1	—	—	—
Supervisors, information processing	18.07	4.2	39.3	18.15	4.3	39.4	15.65	4.0	36.4
Chief communications operators	19.73	8.0	40.0	20.14	9.7	40.0	—	—	—
Supervisors, distribution, scheduling, and adjusting clerks	18.83	3.9	40.1	18.66	4.1	40.1	20.78	6.8	40.4
Computer operators	14.54	2.4	39.3	14.57	2.6	39.3	14.23	6.5	39.3
Peripheral equipment operators	11.33	4.8	38.5	11.26	5.1	38.7	—	—	—
Secretaries	13.55	3.0	37.6	13.69	3.1	37.5	11.56	4.6	38.0
Stenographers	13.73	5.2	36.2	13.95	5.7	35.9	10.60	4.0	39.8
Typists	12.29	2.0	36.2	12.38	2.1	36.1	11.18	3.6	38.4
Interviewers	9.50	3.5	28.5	9.58	3.9	27.9	8.86	4.1	35.2
Hotel clerks	8.73	3.7	36.2	8.76	3.7	36.4	8.34	8.6	33.5
Transportation ticket and reservation agents	12.97	4.0	36.0	13.33	3.2	36.1	—	—	—
Receptionists	9.74	2.4	33.2	9.82	2.5	33.0	8.26	3.6	37.4
Information clerks, n.e.c.	11.48	5.9	34.6	11.49	6.0	34.5	10.74	13.4	39.5
Classified ad clerks	11.38	5.8	35.4	11.70	7.9	33.5	—	—	—
Correspondence clerks	11.59	4.5	36.1	11.59	4.5	36.1	—	—	—
Order clerks	12.37	2.4	37.2	12.38	2.4	37.1	12.08	9.2	40.0
Personnel clerks, except payroll and timekeeping	13.09	2.5	38.5	13.22	2.6	38.3	—	—	—
Library clerks	10.87	2.1	30.2	11.37	1.8	29.0	9.28	4.8	34.8
File clerks	8.80	3.7	34.2	8.84	3.8	34.2	7.77	5.0	31.7
Records clerks, n.e.c.	11.69	2.1	37.9	12.02	2.0	37.8	9.28	6.8	38.9
Bookkeepers, accounting and auditing clerks	12.06	1.2	36.6	12.11	1.2	36.5	11.38	3.9	37.7
Payroll and timekeeping clerks	13.36	2.4	33.5	13.45	2.6	33.3	12.59	7.7	35.7
Billing clerks	10.83	4.5	37.9	10.88	4.8	37.8	10.04	5.1	39.1
Cost and rate clerks	15.61	14.4	40.0	17.16	11.2	40.0	—	—	—
Billing, posting, and calculating machine operators	9.83	4.4	34.6	9.88	4.5	34.5	—	—	—
Duplicating machine operators	10.46	4.7	37.1	10.46	4.7	37.1	—	—	—
Mail preparing and paper handling machine operators	9.74	6.2	35.2	9.74	6.2	35.2	—	—	—
Office machine operators, n.e.c.	8.62	3.9	37.7	8.61	4.0	38.0	—	—	—
Telephone operators	11.38	2.6	34.8	11.51	2.6	35.0	7.53	5.9	29.4
Communications equipment operators, n.e.c.	10.86	4.6	26.2	10.77	5.3	25.8	—	—	—
Mail clerks, except postal service	9.31	4.2	36.6	9.41	4.6	36.9	8.12	12.0	33.5
Messengers	8.70	6.1	30.4	8.75	6.4	30.2	7.49	1.3	35.3
Dispatchers	13.21	3.5	38.7	13.61	4.0	38.6	10.79	9.2	39.1
Production coordinators	14.96	5.6	39.4	15.03	6.3	39.4	14.42	4.6	40.0
Traffic, shipping and receiving clerks	11.36	2.8	37.9	11.32	2.9	37.7	11.68	10.0	39.5
Stock and inventory clerks	11.20	2.2	36.0	11.24	2.3	35.8	10.63	6.4	39.3
Meter readers	14.75	3.0	39.6	14.83	3.1	39.5	13.71	9.7	40.0

See footnotes at end of table.

TABLE 4-2. **United States: Mean hourly earnings¹ and weekly hours by metropolitan and nonmetropolitan areas² for selected occupations, National Compensation Survey,³ 1999—Continued**

Occupation ⁴	Total			Metropolitan			Nonmetropolitan		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar —Continued									
Administrative support, including clerical —Continued									
Weighers, measurers, checkers, and samplers	\$13.81	6.8	36.1	\$14.03	6.8	37.5	—	—	—
Expeditors	11.94	4.4	38.3	11.96	4.6	38.3	—	—	—
Material recording, scheduling, and distribution clerks, n.e.c.	12.25	8.9	37.3	11.33	6.9	37.6	\$18.08	16.7	35.2
Insurance adjusters, examiners, and investigators ..	16.70	2.4	38.1	16.72	2.4	38.1	—	—	—
Investigators and adjusters, except insurance	12.59	2.4	38.6	12.69	2.5	38.5	9.78	7.9	39.8
Eligibility clerks, social welfare	14.31	4.8	38.7	14.38	5.0	38.8	13.42	4.5	37.8
Bill and account collectors	11.90	3.9	37.8	11.88	4.1	37.8	12.46	5.8	40.0
General office clerks	11.14	1.3	34.1	11.17	1.4	33.9	10.57	2.8	37.1
Bank tellers	9.22	2.2	32.6	9.24	2.2	32.6	7.80	2.4	32.3
Proofreaders	13.42	13.8	37.4	14.20	12.9	37.1	—	—	—
Data entry keyers	10.55	2.1	36.4	10.58	2.2	36.4	9.79	3.2	37.9
Statistical clerks	11.39	4.4	38.6	11.52	5.0	38.5	—	—	—
Teachers' aides	9.76	2.0	30.8	10.09	2.3	30.4	8.70	3.9	32.2
Administrative support, n.e.c.	11.74	1.8	36.3	11.89	1.9	36.2	9.84	4.9	37.0
Blue collar	13.03	1.0	38.2	13.19	1.1	38.1	11.81	3.8	38.9
Precision production, craft, and repair									
Supervisors, mechanics and repairers	21.03	2.5	40.7	21.07	2.7	40.5	20.43	6.3	43.5
Automobile mechanics	15.26	4.6	40.2	15.35	4.7	40.1	12.40	9.9	40.5
Automobile mechanic apprentices	11.22	10.5	36.7	11.22	10.5	36.7	—	—	—
Bus, truck, and stationary engine mechanics	14.30	6.8	39.6	14.31	6.9	39.6	14.18	5.8	42.2
Aircraft engine mechanics	21.19	4.9	40.0	20.72	4.4	40.0	—	—	—
Small engine repairers	11.60	6.7	39.7	11.61	6.8	39.7	—	—	—
Automobile body and related repairers	16.86	9.2	40.7	16.81	9.6	40.6	—	—	—
Aircraft mechanics, except engine	20.61	3.4	40.1	20.60	3.5	40.1	—	—	—
Heavy equipment mechanics	17.53	3.8	40.0	18.23	3.7	40.0	14.93	10.9	40.0
Farm equipment mechanics	12.40	8.9	40.7	12.40	8.9	40.7	—	—	—
Industrial machinery repairers	17.17	2.0	39.9	17.24	1.9	39.9	17.01	5.1	39.9
Machinery maintenance	13.61	4.7	38.0	13.91	5.8	37.3	12.86	8.5	39.8
Electronic repairers, communications and industrial equipment	18.61	3.7	37.3	18.69	3.7	37.3	14.49	16.7	40.0
Data processing equipment repairers	15.63	5.7	36.3	15.58	5.9	36.2	—	—	—
Household appliance and power tool repairers	12.46	10.2	40.0	12.41	10.3	40.0	—	—	—
Telephone line installers and repairers	19.65	4.1	39.9	19.76	4.3	39.9	17.91	11.0	40.0
Telephone installers and repairers	18.21	3.8	40.0	18.17	3.8	40.0	20.43	5.2	40.0
Heating, air conditioning, and refrigeration mechanics	15.09	3.0	39.8	15.11	3.1	39.8	—	—	—
Camera, watch, and musical instrument repairers ..	17.75	12.9	40.0	17.75	12.9	40.0	—	—	—
Locksmiths and safe repairers	16.90	5.7	40.0	16.90	5.7	40.0	—	—	—
Office machine repairers	14.67	8.0	40.3	14.67	8.0	40.3	—	—	—
Mechanical controls and valve repairers	16.38	14.4	39.7	16.31	14.7	39.7	—	—	—
Millwrights	17.68	5.2	40.1	18.00	5.7	40.2	—	—	—
Mechanics and repairers, n.e.c.	—	—	—	—	—	—	14.71	6.1	39.3
Supervisors, brickmasons, stonemasons, and tilesetters	19.97	11.0	40.0	20.18	11.5	40.0	—	—	—
Supervisors, carpenters and related workers	23.51	8.2	40.1	23.51	8.2	40.1	—	—	—
Supervisors, electricians and power transmission installers	24.66	3.4	40.1	25.12	3.2	40.1	19.45	11.1	40.0
Supervisors, painters, paperhangers, and plasterers	17.70	5.4	40.3	17.70	5.4	40.3	—	—	—
Supervisors, plumbers, pipefitters, and steamfitters ..	25.56	6.8	40.0	25.61	7.0	40.0	—	—	—
Supervisors, construction trades, n.e.c.	19.75	4.4	40.2	20.21	4.7	40.2	15.66	9.3	40.1
Brickmasons and stonemasons	20.33	10.5	39.2	20.57	10.4	39.1	—	—	—
Brickmason and stonemason apprentices	11.13	11.4	40.0	11.13	11.4	40.0	—	—	—
Carpet installers	18.70	9.6	39.7	18.70	9.6	39.7	—	—	—
Carpenters	17.25	3.6	40.0	17.32	3.8	40.0	15.77	11.4	39.8
Carpenter apprentices	12.88	6.3	40.6	12.88	6.3	40.6	—	—	—
Drywall installers	19.72	10.9	39.0	19.72	10.9	39.0	—	—	—
Electricians	19.12	5.0	39.8	19.36	5.6	39.7	17.08	5.2	40.0

See footnotes at end of table.

TABLE 4-2. **United States: Mean hourly earnings¹ and weekly hours by metropolitan and nonmetropolitan areas² for selected occupations, National Compensation Survey,³ 1999—Continued**

Occupation ⁴	Total			Metropolitan			Nonmetropolitan		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
Blue collar—Continued									
Precision production, craft, and repair—Continued									
Electrician apprentices	\$12.39	4.8	40.0	\$12.36	4.8	40.0	—	—	—
Electrical power installers and repairers	22.57	2.6	40.0	23.06	2.6	40.0	\$17.65	11.9	40.0
Painters, construction and maintenance	13.59	5.7	39.5	13.56	5.8	39.5	—	—	—
Plasterers	18.33	19.2	40.0	18.33	19.2	40.0	—	—	—
Plumbers, pipefitters and steamfitters	20.37	5.6	39.4	20.61	5.4	39.4	14.13	13.3	40.0
Plumber, pipefitter, and steamfitter apprentices	17.28	14.3	39.8	17.28	14.3	39.8	—	—	—
Concrete and terrazzo finishers	15.47	13.2	37.6	15.55	13.4	37.6	—	—	—
Glaziers	14.17	4.8	38.4	14.17	4.8	38.4	—	—	—
Insulation workers	15.13	10.1	37.9	15.19	10.0	37.9	—	—	—
Paving, surfacing, and tamping equipment operators	11.93	11.8	40.0	11.99	14.7	40.0	—	—	—
Roofers	16.56	14.5	37.5	16.60	14.7	37.5	—	—	—
Sheetmetal duct installers	18.67	11.4	39.6	18.67	11.4	39.6	—	—	—
Structural metal workers	16.05	5.0	39.7	16.07	5.2	39.7	—	—	—
Construction trades, n.e.c.	14.75	5.5	39.5	15.21	6.1	39.5	12.17	6.2	39.8
Supervisors, extractive	21.55	17.6	41.6	22.48	16.5	42.3	—	—	—
Drillers, oil well	15.20	28.5	40.3	15.20	28.5	40.3	—	—	—
Mining machine operators	16.50	8.2	40.0	14.71	9.6	40.0	—	—	—
Mining, n.e.c.	—	—	—	14.16	6.2	33.0	—	—	—
Supervisors, production	19.31	2.8	40.6	19.74	2.4	40.6	16.82	10.5	40.7
Tool and die makers	19.84	2.5	40.1	19.95	2.5	40.1	—	—	—
Tool and die maker apprentices	15.61	8.2	39.8	15.61	8.2	39.8	—	—	—
Precision assemblers, metal	13.28	11.1	40.0	13.28	11.1	40.0	—	—	—
Machinists	16.03	4.6	39.5	16.04	4.7	39.5	—	—	—
Machinist apprentices	13.04	5.8	38.6	13.04	5.8	38.6	—	—	—
Precision grinders, filers, and tool sharpeners	15.55	10.9	40.0	15.55	10.9	40.0	—	—	—
Patternmakers and modelmakers, metal	18.89	6.2	40.0	18.89	6.2	40.0	—	—	—
Layout workers	15.19	6.5	40.0	15.19	6.5	40.0	—	—	—
Engravers, metal	15.09	23.1	39.4	15.09	23.1	39.4	—	—	—
Sheet metal workers	17.74	6.6	39.1	17.81	6.6	39.1	—	—	—
Sheet metal worker apprentices	13.40	10.3	39.3	13.40	10.3	39.3	—	—	—
Cabinet makers and bench carpenters	11.88	11.0	40.0	11.88	11.0	40.0	—	—	—
Furniture and wood finishers	11.23	5.9	40.0	11.15	6.6	40.0	—	—	—
Dressmakers	10.31	9.6	38.5	10.31	9.6	38.5	—	—	—
Tailors	12.41	5.9	39.7	12.41	5.9	39.7	—	—	—
Upholsterers	13.32	13.9	39.4	14.62	11.0	39.3	—	—	—
Hand molders and shapers, except jewelers	16.31	5.1	40.0	16.31	5.1	40.0	—	—	—
Patternmakers, layout workers, and cutters	13.97	14.5	40.0	13.97	14.5	40.0	—	—	—
Optical goods workers	11.13	10.0	39.9	11.13	10.0	39.9	—	—	—
Dental laboratory and medical appliance technicians	14.21	1.3	39.0	14.21	1.3	39.0	—	—	—
Bookbinders	11.38	3.9	39.8	11.31	4.1	39.8	—	—	—
Electrical and electronic equipment assemblers	10.72	3.3	39.7	11.08	2.7	39.7	8.92	10.0	40.0
Miscellaneous precision workers, n.e.c.	15.90	8.0	39.8	15.57	9.9	39.8	16.77	10.4	40.0
Precision food production	12.42	20.4	30.5	12.42	20.4	30.5	—	—	—
Butchers and meat cutters	10.37	3.7	38.5	10.84	4.8	37.7	—	—	—
Bakers	10.11	7.1	34.5	10.15	7.3	34.4	—	—	—
Food batchmakers	10.39	6.6	38.1	10.38	6.9	38.0	—	—	—
Inspectors, testers, and graders	16.95	2.6	40.3	16.95	2.6	40.2	—	—	—
Precision inspectors, testers, and related workers, n.e.c.	20.33	7.6	40.0	20.33	7.6	40.0	—	—	—
Adjusters and calibrators	14.69	11.8	39.6	14.69	11.8	39.6	—	—	—
Water and sewer treatment plant operators	15.92	3.0	39.0	16.17	2.9	38.8	14.51	10.9	40.0
Power plant operators	21.77	2.1	39.8	21.69	2.1	39.9	—	—	—
Stationary engineers	19.58	3.5	39.3	19.30	3.6	39.3	22.01	8.0	39.4
Miscellaneous plant and system operators, n.e.c.	20.87	4.8	40.1	21.02	5.0	40.1	—	—	—
Machine operators, assemblers, and inspectors	11.41	2.1	39.4	11.47	2.3	39.3	11.08	4.3	39.8
Lathe and turning machine set-up operators	14.51	3.6	40.0	14.98	3.1	40.0	—	—	—
Lathe and turning machine operators	13.32	5.8	39.9	14.23	6.6	39.9	—	—	—
Milling and planing machine operators	12.56	7.0	40.0	12.61	7.9	40.0	—	—	—

See footnotes at end of table.

TABLE 4-2. **United States: Mean hourly earnings¹ and weekly hours by metropolitan and nonmetropolitan areas² for selected occupations, National Compensation Survey,³ 1999—Continued**

Occupation ⁴	Total			Metropolitan			Nonmetropolitan		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
Blue collar—Continued									
Machine operators, assemblers, and inspectors—Continued									
Punching and stamping press operators	\$12.45	3.3	39.9	\$12.76	3.3	39.8	—	—	—
Rolling machine operators	14.51	8.1	40.3	15.34	7.5	40.5	—	—	—
Drilling and boring machine operators	11.41	14.2	40.0	11.41	14.2	40.0	—	—	—
Grinding, abrading, buffing, and polishing machine operators	12.12	2.8	39.9	12.44	2.2	39.9	\$11.38	8.4	40.0
Forging machine operators	12.99	4.5	39.8	13.18	5.5	39.7	—	—	—
Numerical control machine operators	13.95	3.5	40.0	14.45	3.3	40.0	—	—	—
Fabricating machine operators, n.e.c.	13.18	2.9	39.4	13.55	3.1	39.2	11.34	5.9	40.0
Molding and casting machine operators	10.91	5.4	39.8	10.78	6.3	39.8	11.68	5.8	40.0
Metal plating machine operators	13.56	4.5	39.7	13.56	4.5	39.7	—	—	—
Heat treating equipment operators	13.99	2.7	40.0	14.57	4.8	39.9	—	—	—
Wood lathe, routing, and planing machine operators	8.82	11.1	39.2	9.07	12.5	39.1	—	—	—
Sawing machine operators	10.35	7.9	39.8	10.27	11.0	39.7	—	—	—
Shaping and jointing machine operators	10.19	7.7	39.9	10.19	7.7	39.9	—	—	—
Printing press operators	14.19	3.1	39.4	14.46	3.3	39.3	12.42	6.9	40.0
Photoengravers and lithographers	16.24	11.2	39.1	16.27	11.5	39.1	—	—	—
Typesetters and compositors	13.19	6.2	35.3	13.21	6.2	35.5	—	—	—
Winding and twisting machine operators	11.99	7.2	39.8	10.02	3.4	39.6	—	—	—
Knitting, looping, taping, and weaving machine operators	10.14	2.9	40.0	10.56	2.2	39.9	—	—	—
Textile cutting machine operators	8.65	8.2	40.0	8.80	9.4	40.0	—	—	—
Textile sewing machine operators	7.73	5.0	39.1	7.63	5.4	39.1	—	—	—
Shoe machine operators	9.64	10.7	39.8	9.64	10.7	39.8	—	—	—
Pressing machine operators	7.55	4.1	37.9	7.39	4.1	37.6	—	—	—
Laundering and dry cleaning machine operators	7.21	2.1	37.5	7.20	2.2	38.1	7.31	6.9	30.6
Cementing and gluing machine operators	10.50	10.1	40.0	11.73	6.5	40.0	—	—	—
Packaging and filling machine operators	10.78	4.8	39.3	11.20	5.6	39.1	9.43	9.3	40.0
Extruding and forming machine operators	11.81	4.2	39.8	12.39	4.1	39.7	—	—	—
Mixing and blending machine operators	13.31	3.9	39.7	13.29	4.2	39.7	—	—	—
Separating, filtering, and clarifying machine operators	16.69	3.0	39.6	16.69	3.4	39.6	—	—	—
Compressing and compacting machine operators ..	10.65	2.4	39.5	10.90	3.3	39.1	—	—	—
Painting and paint spraying machine operators	11.32	8.0	40.0	11.27	8.4	40.0	—	—	—
Roasting and baking machine operators, food	11.83	9.5	39.7	11.83	9.5	39.7	—	—	—
Washing, cleaning, and pickling machine operators	11.26	8.7	40.1	11.26	8.7	40.1	—	—	—
Folding machine operators	11.81	4.2	39.7	11.81	4.2	39.7	—	—	—
Furnace, kiln, and oven operators, except food	13.36	5.5	39.9	14.20	5.3	39.9	—	—	—
Crushing and grinding machine operators	12.37	5.7	39.9	12.26	5.9	39.9	—	—	—
Slicing and cutting machine operators	12.50	4.6	39.9	12.32	2.8	39.9	12.77	10.1	40.0
Photographic process machine operators	10.77	6.4	31.0	10.83	6.4	31.0	—	—	—
Miscellaneous machine operators, n.e.c.	10.87	6.4	39.6	10.65	7.2	39.5	11.73	6.5	39.8
Welders and cutters	14.41	2.5	40.0	14.60	2.4	40.0	13.03	9.2	40.0
Solders and braziers	9.54	8.2	40.0	10.46	4.4	40.0	—	—	—
Assemblers	11.44	3.7	39.3	11.69	3.6	39.2	8.85	7.6	39.9
Hand cutting and trimming	7.71	10.5	39.8	7.71	10.5	39.8	—	—	—
Hand molding, casting, and forming	11.50	2.4	39.9	11.75	3.7	39.8	—	—	—
Hand painting, coating, and decorating	10.14	5.5	39.8	10.14	5.5	39.8	—	—	—
Hand engraving and printing	11.54	8.7	35.2	11.54	8.7	35.2	—	—	—
Miscellaneous hand working, n.e.c.	10.19	4.5	38.8	10.06	4.9	38.7	10.91	8.5	39.6
Production inspectors, checkers and examiners	11.49	2.9	39.9	11.81	2.7	39.8	10.02	7.9	40.0
Production testers	12.55	3.6	40.0	12.97	2.7	40.0	—	—	—
Production samplers and weighers	14.53	3.5	39.6	14.28	6.9	39.2	—	—	—
Graders and sorters, except agricultural	9.55	5.7	39.9	9.50	5.8	39.7	—	—	—
Hand inspectors, n.e.c.	10.36	5.4	39.9	10.36	5.4	39.9	—	—	—
Transportation and material moving	12.92	1.8	37.6	12.95	1.9	37.7	12.60	3.4	36.6
Supervisors, motor vehicle operators	17.24	4.2	41.8	17.78	3.3	42.1	12.86	10.1	39.6
Truck drivers	12.72	2.3	40.3	12.66	2.4	40.2	14.40	4.9	43.8
Driver-sales workers	11.90	5.6	34.2	11.89	5.7	34.2	—	—	—

See footnotes at end of table.

TABLE 4-2. United States: Mean hourly earnings¹ and weekly hours by metropolitan and nonmetropolitan areas² for selected occupations, National Compensation Survey,³ 1999—Continued

Occupation ⁴	Total			Metropolitan			Nonmetropolitan		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
Blue collar—Continued									
Transportation and material moving—Continued									
Bus drivers	\$12.38	2.8	28.0	\$12.47	3.1	29.1	\$11.48	4.6	20.8
Taxicab drivers and chauffeurs	8.31	4.7	30.0	8.33	4.8	30.1	—	—	—
Parking lot attendants	7.71	7.1	32.3	7.71	7.1	32.4	—	—	—
Motor transportation, n.e.c.	7.69	6.9	30.5	7.73	7.2	30.9	6.86	12.3	23.9
Locomotive operating	27.01	14.8	40.5	27.01	14.8	40.5	—	—	—
Railroad brake, signal and switch operators	19.69	16.5	40.0	—	—	—	—	—	—
Ship captains and mates, except fishing boats	17.99	7.3	51.2	18.00	8.0	51.9	—	—	—
Sailors and deckhands	12.17	14.4	43.6	11.76	17.1	44.9	—	—	—
Marine engineers	15.56	29.8	51.4	15.56	29.8	51.4	—	—	—
Bridge, lock and lighthouse tenders	11.74	2.5	40.0	—	—	—	—	—	—
Supervisors, material moving equipment	16.65	6.7	40.4	16.81	7.0	40.5	—	—	—
Operating engineers	18.68	6.1	40.0	19.83	4.7	40.0	12.73	16.3	40.0
Longshore equipment operators	27.42	6.9	37.5	27.42	6.9	37.5	—	—	—
Hoist and winch operators	14.92	9.7	40.0	14.92	9.7	40.0	—	—	—
Crane and tower operators	16.01	4.8	40.1	16.21	5.0	40.1	—	—	—
Excavating and loading machine operators	13.85	3.7	40.0	13.97	3.7	40.0	11.28	16.1	39.5
Grader, dozer, and scraper operators	14.41	4.1	40.0	15.26	4.5	40.0	12.47	7.6	40.0
Industrial truck and tractor equipment operators	12.24	2.6	39.7	12.31	2.7	39.7	11.99	8.0	40.0
Miscellaneous material moving equipment operators, n.e.c.	14.31	3.8	38.4	14.66	4.2	38.1	12.16	6.3	39.9
Handlers, equipment cleaners, helpers, and laborers ...									
Nursery workers	7.37	5.1	34.6	7.18	4.5	34.2	—	—	—
Supervisors, agriculture-related workers	16.80	9.9	38.8	16.81	10.0	38.8	—	—	—
Groundskeepers and gardeners, except farm	9.29	4.2	37.1	9.58	4.3	35.7	—	—	—
Animal caretakers, except farm	10.22	11.8	32.8	10.22	11.8	32.8	—	—	—
Inspectors, agricultural products	8.74	11.3	37.2	9.76	11.9	35.6	—	—	—
Supervisors, handlers, equipment cleaners, and laborers, n.e.c.	16.02	7.4	38.9	16.54	8.1	38.7	13.42	8.2	40.0
Helpers, mechanics and repairers	10.40	4.1	38.4	10.05	3.6	38.2	12.53	7.8	40.0
Helpers, construction trades	10.13	3.5	39.1	10.11	3.6	39.1	12.13	7.7	40.0
Helpers, extractive	8.85	14.8	38.1	8.85	14.8	38.1	—	—	—
Construction laborers	11.65	4.8	39.3	11.75	4.9	39.4	9.62	9.6	38.7
Production helpers	10.04	3.7	38.9	9.74	2.2	38.7	11.27	12.0	39.8
Garbage collectors	13.94	7.6	39.8	14.04	7.6	39.8	—	—	—
Stevedores	20.47	6.2	39.2	20.47	6.2	39.2	—	—	—
Stock handlers and baggers	9.54	7.4	29.8	9.64	8.0	29.7	8.71	5.8	30.7
Machine feeders and offbearers	9.61	2.7	39.2	9.64	2.4	39.0	9.47	10.0	40.0
Freight, stock, and material handlers, n.e.c.	10.80	3.2	33.9	11.00	3.1	33.4	9.22	9.4	37.9
Garage and service station related	8.83	7.4	34.2	8.83	7.4	34.2	—	—	—
Vehicle washers and equipment cleaners	8.82	4.2	37.5	8.90	4.4	37.9	7.45	5.7	32.4
Hand packers and packagers	8.18	2.5	38.2	8.20	2.7	38.2	7.83	6.0	38.7
Laborers, except construction, n.e.c.	9.57	2.0	36.5	9.64	2.1	36.0	9.24	5.4	38.9
Service									
Protective service	14.84	2.1	37.5	15.31	1.8	37.1	12.43	5.5	39.6
Supervisors, firefighters and fire prevention	21.90	4.7	49.5	22.51	4.6	49.5	14.47	10.2	50.2
Supervisors, police and detectives	25.00	3.3	40.1	26.23	3.0	40.1	14.95	11.6	40.0
Supervisors, guards	16.60	7.1	37.8	16.53	7.5	37.7	—	—	—
Fire inspection and fire prevention	18.74	6.5	39.0	18.79	7.4	38.8	—	—	—
Firefighting	16.13	3.0	43.5	16.41	3.0	43.3	11.53	8.6	47.1
Police and detectives, public service	20.25	1.4	39.5	20.62	1.4	39.6	15.68	4.0	39.0
Sheriffs, bailiffs, and other law enforcement officers	16.60	2.8	39.2	18.23	2.7	38.9	13.23	4.2	39.6
Correctional institution officers	14.94	3.8	39.8	15.97	3.0	39.9	13.35	4.6	39.7
Crossing guards	8.97	4.5	17.2	9.04	4.5	17.5	—	—	—
Guards and police, except public service	8.89	2.0	34.3	8.83	2.2	33.7	—	—	—
Protective service, n.e.c.	12.03	7.7	29.3	11.94	8.4	28.8	13.08	10.5	35.4
Food service	6.72	1.5	28.8	6.74	1.3	28.4	6.51	8.9	32.4
Waiters, waitresses, and bartenders	4.71	2.8	27.4	4.66	3.3	26.3	5.01	3.9	35.5
Bartenders	6.72	6.6	28.1	6.72	7.0	28.1	6.80	6.3	27.7

See footnotes at end of table.

TABLE 4-2. **United States: Mean hourly earnings¹ and weekly hours by metropolitan and nonmetropolitan areas² for selected occupations, National Compensation Survey,³ 1999–Continued**

Occupation ⁴	Total			Metropolitan			Nonmetropolitan		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
Service –Continued									
Food service –Continued									
Waiters, waitresses, and bartenders –Continued									
Waiters and waitresses	\$4.04	3.8	27.7	\$3.85	3.4	26.1	–	–	–
Waiters/Waitresses' assistants	5.65	2.7	25.3	5.63	2.9	25.1	\$5.86	6.7	29.9
Other food service	7.63	1.2	29.5	7.61	1.3	29.4	7.83	4.6	30.1
Supervisors, food preparation and service	10.75	2.4	39.3	10.62	2.8	39.3	12.11	10.2	39.5
Cooks	8.24	2.0	33.6	8.25	2.2	33.6	8.17	2.6	34.4
Kitchen workers, food preparation	7.22	2.4	30.2	7.19	2.6	29.9	7.53	2.8	33.0
Food preparation, n.e.c.	6.77	1.3	26.0	6.77	1.3	26.1	6.76	2.9	24.4
Health service									
Dental assistants	9.35	1.7	33.3	9.62	1.8	33.4	8.09	2.1	33.0
Health aides, except nursing	12.34	8.2	30.4	12.34	8.2	30.4	–	–	–
Nursing aides, orderlies and attendants	10.05	2.2	32.6	10.17	2.3	33.0	9.35	4.2	30.6
Cleaning and building service	8.79	1.3	33.9	9.05	1.4	34.0	7.81	2.6	33.6
Supervisors, cleaning and building service workers	9.14	1.5	33.4	9.22	1.7	33.0	8.46	2.0	36.8
Maids and housemen	10.73	7.9	39.3	11.56	9.6	39.0	–	–	–
Janitors and cleaners	7.44	2.3	33.9	7.51	2.6	34.0	6.83	3.2	32.3
Elevator operators	9.27	1.8	32.3	9.32	1.9	32.0	8.72	2.6	36.8
Pest control	13.26	6.3	39.1	13.26	6.3	39.1	–	–	–
Personal service	11.07	10.0	40.0	11.07	10.0	40.0	–	–	–
Supervisors, personal service	8.93	2.2	29.8	8.96	2.7	28.9	8.81	3.1	34.2
Hairdressers and cosmetologists	15.89	10.4	39.0	12.18	5.3	37.7	–	–	–
Attendants, amusement, and recreation facilities	9.79	5.6	29.8	9.79	5.6	29.8	–	–	–
Guides	6.41	5.5	29.0	6.90	3.4	26.6	–	–	–
Ushers	11.14	11.2	30.7	11.25	11.2	31.1	–	–	–
Public transportation attendants	5.93	4.3	15.7	5.93	4.3	15.7	–	–	–
Baggage porters and bellhops	26.33	7.6	21.4	26.40	7.6	21.4	–	–	–
Welfare service aides	6.98	5.9	35.3	6.98	5.9	35.3	–	–	–
Early childhood teachers' assistants	7.59	4.8	29.0	7.60	5.2	29.0	7.45	6.5	28.4
Child care workers, n.e.c.	7.02	3.4	30.4	6.91	3.4	30.1	8.03	4.7	33.7
Service, n.e.c.	8.27	3.2	29.5	8.28	3.3	29.4	8.07	6.3	30.0
	8.28	8.4	30.4	8.94	5.6	28.8	–	–	–

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

² Metropolitan areas can be a Metropolitan Statistical Area (MSA) or Consolidated Metropolitan Statistical Area (CMSA) as defined by the Office of Management and Budget, 1994. Nonmetropolitan areas are counties that do not fit the definitions above. For more information, see appendix E.

³ This survey covers all 50 States. Collection was conducted between September 1998 and April 2000. The average reference period was September 1999. For the first time,

estimates include workers in private establishments employing fewer than 50 workers.

⁴ A classification system including about 480 individual occupations is used to cover all workers in the civilian economy. For more information, see appendix B.

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

NOTE: Dashes indicate that no data were reported or that data did not meet publication criteria, and n.e.c. means "not elsewhere classified." Overall occupational groups may include data for categories not shown separately.

TABLE 4-3. Largest 10 metropolitan areas¹ ranked by employment size: Mean hourly earnings² by occupational group, National Compensation Survey, 1999-2000

Occupational group ³	(1)	(2)	(3)	(4)	(5)
	New York-Northern New Jersey-Long Island (July 1999)	Los Angeles-Riverside-Orange County (July 1999)	Chicago-Gary-Kenosha (October 1999)	Washington-Baltimore (July 1999)	San Francisco-Oakland-San Jose (June 1999)
All	\$20.85	\$18.40	\$17.56	\$17.86	\$21.60
White collar	25.08	22.67	21.72	21.46	25.79
White collar, excluding sales	25.97	23.45	22.15	22.29	26.91
Professional specialty and technical	31.77	29.00	26.27	26.93	31.83
Professional specialty	33.44	31.05	26.90	28.22	33.49
Technical	23.81	21.54	24.11	20.84	25.16
Executive, administrative, and managerial	35.08	32.04	28.81	27.15	35.08
Sales	15.58	16.47	17.44	15.18	16.19
Administrative support, including clerical	15.23	13.47	13.96	13.37	15.74
Blue collar	15.28	13.36	14.89	14.65	16.49
Precision production, craft, and repair	21.44	19.52	21.08	17.76	21.17
Machine operators, assemblers, and inspectors	10.94	10.18	12.27	13.71	13.85
Transportation and material moving	16.38	13.41	15.69	14.32	15.25
Handlers, equipment cleaners, helpers, and laborers	12.35	9.65	12.12	11.52	11.31
Service	13.51	11.76	11.15	10.53	12.67
Protective service	19.94	18.45	17.16	16.54	16.97
Food service	8.62	8.11	6.94	7.55	8.97
Health service	10.11	9.28	9.56	9.82	12.18
Cleaning and building service	12.41	8.77	9.88	9.07	10.94
Personal service	13.21	10.72	10.85	10.47	14.09
	(6)	(7)	(8)	(9)	(10)
	Boston-Worcester-Lawrence (October 1999)	Philadelphia-Wilmington-Atlantic City (August 1999)	Detroit-Ann Arbor-Flint (August 1999)	Dallas-Fort Worth (July 1999)	Houston-Galveston-Brazoria (July 1999)
All	\$18.77	\$18.51	\$19.42	\$17.05	\$17.33
White collar	22.39	22.07	23.18	21.18	21.30
White collar, excluding sales	23.20	22.92	24.04	22.30	22.16
Professional specialty and technical	26.34	27.57	27.91	25.73	26.12
Professional specialty	28.56	29.77	30.28	26.39	27.61
Technical	18.36	19.95	20.33	23.29	20.70
Executive, administrative, and managerial	29.78	29.39	31.32	29.59	31.09
Sales	15.29	15.55	16.69	13.82	16.23
Administrative support, including clerical	14.04	13.64	13.35	12.62	12.31
Blue collar	15.08	15.24	17.39	12.61	13.22
Precision production, craft, and repair	18.75	19.00	21.75	16.00	17.48
Machine operators, assemblers, and inspectors	12.23	13.91	16.08	10.84	11.20
Transportation and material moving	16.08	14.73	16.35	14.43	12.77
Handlers, equipment cleaners, helpers, and laborers	12.25	11.95	11.10	9.65	8.62
Service	11.41	11.13	10.61	9.66	9.26
Protective service	15.67	16.74	14.44	13.30	14.35
Food service	7.94	7.71	7.72	7.20	6.54
Health service	10.68	10.44	9.29	8.53	8.65
Cleaning and building service	11.05	10.75	11.79	7.95	7.50
Personal service	10.95	10.52	8.77	13.16	10.83

¹ Metropolitan areas can be a Metropolitan Statistical Area (MSA) or Consolidated Metropolitan Statistical Area (CMSA) as defined by the Office of Management and Budget, 1994. The largest 10 metropolitan areas are all CMSAs.

² 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.

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

TABLE 4-4. Summary, United States and nine census divisions: Mean hourly earnings¹ and weekly hours by selected characteristics, National Compensation Survey,² 1999

Worker and establishment characteristics	United States			New England			Middle Atlantic		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ³ (percent)		Mean	Relative error ³ (percent)		Mean	Relative error ³ (percent)	
Total	\$15.36	1.3	35.8	\$17.18	4.2	34.6	\$17.84	3.7	34.8
Private industry	14.71	1.4	35.7	16.54	5.2	34.5	17.05	4.5	34.7
State and local government	19.34	.7	36.6	21.82	2.2	35.4	22.45	1.6	35.5
Metropolitan areas	15.63	1.2	35.7	17.35	4.4	34.6	17.93	3.8	34.8
Nonmetropolitan areas	12.86	4.9	37.0	15.21	6.9	34.8	14.93	3.6	35.6
Worker characteristics:⁴									
White-collar occupations ⁵	18.78	1.4	35.9	20.65	5.7	34.9	22.13	5.2	34.6
Professional specialty and technical ...	24.75	2.3	35.7	24.78	2.1	34.9	30.18	10.3	34.5
Executive, administrative, and managerial	27.67	1.9	39.9	31.35	5.9	40.7	30.69	3.7	38.4
Sales	12.84	2.7	32.9	11.20	7.1	28.6	14.39	6.1	30.3
Administrative support	12.20	.9	36.1	13.55	2.7	35.8	13.19	1.7	34.8
Blue-collar occupations ⁵	13.03	1.0	38.2	13.59	3.0	37.7	13.82	2.8	37.9
Precision production, craft, and repair	16.51	1.2	39.6	16.23	4.1	38.9	18.10	3.3	38.8
Machine operators, assemblers, and inspectors	11.41	2.1	39.4	11.30	2.9	38.7	11.33	5.1	39.3
Transportation and material moving ...	12.92	1.8	37.6	13.53	13.6	37.0	14.13	3.9	36.3
Handlers, equipment cleaners, helpers, and laborers	9.86	2.3	35.5	11.37	3.6	34.3	10.88	4.6	36.0
Service occupations ⁵	9.21	1.1	31.6	9.99	2.9	29.0	11.07	2.8	31.2
Full time	16.20	1.4	39.6	18.39	4.1	39.4	18.90	4.0	38.8
Part time	8.87	1.7	20.5	10.48	9.0	20.6	10.38	6.9	20.1
Union	18.31	1.2	36.5	19.60	1.5	35.3	18.98	1.6	36.4
Nonunion	14.76	1.5	35.6	16.64	5.5	34.4	17.37	5.3	34.2
Time	15.13	1.2	35.7	17.23	4.2	34.6	17.82	3.9	34.7
Incentive	19.60	5.2	37.9	15.94	13.4	34.5	18.41	8.1	37.2
Establishment characteristics:									
Goods producing ⁶	16.17	1.5	39.5	19.14	10.3	40.2	17.33	4.0	39.1
Service producing ⁶	14.16	1.8	34.4	15.40	3.2	32.5	16.95	6.0	33.3
1 to 99 workers ⁷	13.46	2.2	34.5	13.33	5.8	32.8	16.09	9.5	33.6
100 to 499 workers	14.71	2.3	36.5	18.94	8.9	35.6	16.21	2.2	35.3
500 to 999 workers	17.35	1.5	37.0	19.99	3.5	36.4	20.51	3.7	35.7
1,000 to 2,499 workers	17.05	6.2	36.8	22.22	2.9	36.7	20.98	3.0	36.1
2,500 workers or more	21.02	1.0	37.4	22.41	2.2	37.1	22.66	2.1	36.3

See footnotes at end of table.

TABLE 4-4. Summary, United States and nine census divisions: Mean hourly earnings¹ and weekly hours by selected characteristics, National Compensation Survey,² 1999—Continued

Worker and establishment characteristics	East North Central			West North Central			South Atlantic		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ³ (percent)		Mean	Relative error ³ (percent)		Mean	Relative error ³ (percent)	
Total	\$15.55	1.8	35.6	\$14.37	2.8	35.3	\$14.49	2.9	36.3
Private industry	14.82	2.0	35.5	13.84	3.2	35.1	14.04	3.5	36.0
State and local government	20.32	2.1	36.0	18.11	2.2	36.9	16.84	1.5	38.0
Metropolitan areas	15.75	1.9	35.4	14.73	3.0	35.1	14.71	3.0	36.2
Nonmetropolitan areas	13.83	3.7	36.7	12.70	5.8	36.5	12.60	6.3	37.4
Worker characteristics:⁴									
White-collar occupations ⁵	18.66	2.1	35.6	17.07	3.6	35.5	17.74	3.5	36.6
Professional specialty and technical ...	24.05	1.8	35.5	21.51	1.9	35.9	22.96	3.8	35.9
Executive, administrative, and managerial	26.88	2.9	39.0	26.01	10.7	41.4	26.43	6.5	40.5
Sales	14.03	8.2	32.8	12.60	6.0	30.8	11.81	6.0	33.9
Administrative support	12.10	1.2	35.9	11.03	2.1	36.4	11.87	3.6	37.2
Blue-collar occupations ⁵	14.15	2.1	38.0	12.90	2.4	38.5	11.98	2.2	38.3
Precision production, craft, and repair	18.16	2.9	39.8	15.90	4.0	40.1	14.86	1.9	39.7
Machine operators, assemblers, and inspectors	12.86	2.6	39.7	12.44	3.9	39.5	11.33	3.5	39.6
Transportation and material moving ...	13.67	4.8	36.4	12.32	2.8	38.6	11.82	2.5	37.7
Handlers, equipment cleaners, helpers, and laborers	10.85	2.7	34.0	9.72	2.4	35.7	9.21	2.9	35.7
Service occupations ⁵	9.23	2.1	30.4	8.86	3.0	29.8	8.54	2.1	32.8
Full time	16.40	1.9	39.7	15.31	3.0	40.0	15.24	2.9	39.6
Part time	8.74	2.2	19.5	8.06	2.5	19.6	7.90	4.0	21.0
Union	17.99	2.1	36.9	17.50	1.7	37.5	16.87	3.9	37.5
Nonunion	14.79	2.5	35.2	13.78	3.4	34.9	14.26	3.2	36.2
Time	15.25	1.5	35.3	13.86	1.8	34.9	14.05	2.4	36.3
Incentive	20.41	10.4	39.6	21.80	18.9	41.5	20.29	14.2	36.2
Establishment characteristics:									
Goods producing ⁶	16.52	2.5	39.5	15.07	4.5	39.7	15.06	3.6	39.7
Service producing ⁶	13.80	3.2	33.5	13.36	4.2	33.6	13.65	4.9	34.8
1 to 99 workers ⁷	12.90	2.5	34.3	12.73	6.1	33.6	12.54	6.0	34.7
100 to 499 workers	15.16	4.2	36.1	14.14	3.2	35.9	14.39	7.8	37.4
500 to 999 workers	17.57	2.5	36.3	16.40	4.4	38.0	14.80	2.5	38.2
1,000 to 2,499 workers	18.27	3.4	36.1	15.23	5.7	37.5	16.57	2.4	37.3
2,500 workers or more	21.74	3.3	37.8	19.81	2.9	37.7	19.20	1.9	38.1

See footnotes at end of table.

TABLE 4-4. Summary, United States and nine census divisions: Mean hourly earnings¹ and weekly hours by selected characteristics, National Compensation Survey,² 1999—Continued

Worker and establishment characteristics	East South Central			West South Central		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ³ (percent)		Mean	Relative error ³ (percent)	
Total	\$12.13	5.0	37.6	\$14.38	3.5	36.8
Private industry	11.76	5.5	37.6	13.98	4.0	36.6
State and local government	16.23	2.7	37.0	16.38	2.0	38.0
Metropolitan areas	12.87	1.5	37.4	14.42	3.7	36.8
Nonmetropolitan areas	9.72	9.6	38.1	13.90	5.1	37.3
Worker characteristics:⁴						
White-collar occupations ⁵	14.95	6.4	37.2	17.54	3.7	37.1
Professional specialty and technical ...	20.46	2.8	36.9	23.91	5.5	37.9
Executive, administrative, and managerial	23.41	4.7	40.1	25.95	2.9	40.7
Sales	11.18	12.6	36.3	11.61	5.9	32.9
Administrative support	10.70	2.5	37.4	11.59	4.8	37.7
Blue-collar occupations ⁵	11.69	2.7	39.3	11.98	3.0	38.7
Precision production, craft, and repair	—	—	—	15.23	2.7	39.6
Machine operators, assemblers, and inspectors	9.91	6.6	39.5	9.75	5.4	39.1
Transportation and material moving ...	11.63	5.1	40.5	11.69	9.3	38.9
Handlers, equipment cleaners, helpers, and laborers	8.32	2.5	38.1	8.54	3.3	36.6
Service occupations ⁵	7.96	1.5	34.0	7.67	4.1	32.8
Full time	12.48	5.2	40.0	15.18	3.1	39.8
Part time	7.39	4.3	20.6	7.44	4.7	22.4
Union	14.26	10.8	38.5	17.71	5.8	37.5
Nonunion	11.98	4.9	37.5	14.21	3.7	36.8
Time	11.84	4.9	37.6	14.07	3.1	36.7
Incentive	17.63	11.9	37.5	19.36	15.0	38.6
Establishment characteristics:						
Goods producing ⁶	13.34	5.7	39.5	14.98	3.7	39.8
Service producing ⁶	11.35	6.5	37.2	13.61	4.8	35.5
1 to 99 workers ⁷	11.42	4.3	35.0	12.94	6.2	36.3
100 to 499 workers	12.60	2.7	39.3	13.00	3.2	36.6
500 to 999 workers	13.05	6.3	38.4	17.48	5.3	37.7
1,000 to 2,499 workers	—	—	—	16.38	3.1	37.9
2,500 workers or more	19.15	2.6	36.2	18.56	3.1	37.8

See footnotes at end of table.

TABLE 4-4. Summary, United States and nine census divisions: Mean hourly earnings¹ and weekly hours by selected characteristics, National Compensation Survey,² 1999—Continued

Worker and establishment characteristics	Mountain			Pacific		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ³ (percent)		Mean	Relative error ³ (percent)	
Total	\$14.10	2.9	35.7	\$16.87	1.7	35.3
Private industry	13.26	3.2	35.5	16.01	2.0	35.3
State and local government	19.00	3.5	36.9	22.13	1.2	35.6
Metropolitan areas	13.94	3.2	35.6	16.92	1.8	35.3
Nonmetropolitan areas	15.78	2.4	36.2	15.45	4.7	36.8
Worker characteristics:⁴						
White-collar occupations ⁵	16.84	4.1	36.2	20.12	2.2	35.7
Professional specialty and technical ...	23.80	3.8	35.9	25.88	4.6	35.6
Executive, administrative, and managerial	23.00	3.1	41.3	29.56	3.9	40.0
Sales	13.32	8.0	35.1	14.11	5.0	33.7
Administrative support	11.26	2.7	35.5	13.20	1.2	35.0
Blue-collar occupations ⁵	12.95	2.8	37.9	13.95	2.2	37.3
Precision production, craft, and repair	15.49	3.2	39.7	18.40	2.9	39.6
Machine operators, assemblers, and inspectors	10.35	6.6	38.2	10.41	3.5	38.7
Transportation and material moving ...	12.92	5.8	37.5	14.11	4.0	37.4
Handlers, equipment cleaners, helpers, and laborers	9.05	2.3	34.1	11.03	5.4	34.1
Service occupations ⁵	8.38	1.8	31.8	10.32	2.5	31.3
Full time	15.04	2.9	39.9	17.92	1.7	39.6
Part time	8.57	2.5	22.0	9.78	2.6	20.4
Union	17.76	3.7	37.4	19.27	3.9	35.1
Nonunion	13.76	3.2	35.5	16.05	2.1	35.4
Time	13.88	2.8	35.5	16.78	1.7	35.2
Incentive	18.28	12.7	38.1	19.40	8.0	37.5
Establishment characteristics:						
Goods producing ⁶	15.21	2.7	39.4	18.21	3.7	39.5
Service producing ⁶	12.61	4.3	34.3	15.38	2.3	34.2
1 to 99 workers ⁷	12.70	4.5	35.0	14.60	3.5	34.6
100 to 499 workers	13.82	3.6	35.8	15.48	2.1	35.6
500 to 999 workers	14.95	6.9	37.1	19.32	4.7	36.4
1,000 to 2,499 workers	15.72	8.3	36.5	21.96	2.5	35.2
2,500 workers or more	21.35	4.8	37.6	22.99	1.4	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 This survey covers all 50 States. Collection was conducted between September 1998 and April 2000. The average reference period was September 1999. For the first time, estimates include workers in private establishments employing fewer than 50 workers.

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.

⁴ Employees are classified as working either a full-time or a part-time schedule based on the definition

used by each establishment. Union workers are those whose wages are determined through collective bargaining. Wages of time workers are based solely on hourly rate or salary; incentive workers are those whose wages are at least partially based on productivity payments such as piece rates, commissions, and production bonuses.

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

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

⁷ Estimates include private establishments employing 1 to 99 workers and State and local government establishments employing 50 to 99 workers.

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

TABLE 4-5. New England census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1999

Occupation ⁵	Total			Metropolitan			Nonmetropolitan		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)	
All	\$17.18	4.2	34.6	\$17.35	4.4	34.6	\$15.21	6.9	34.8
All, excluding sales	17.85	4.1	35.4	18.11	4.2	35.5	15.23	6.9	34.8
White collar	20.65	5.7	34.9	20.72	6.2	34.8	19.82	2.7	36.0
White collar, excluding sales	22.65	4.3	36.6	22.90	4.8	36.6	20.07	3.1	36.1
Professional specialty and technical	24.78	2.1	34.9	25.03	2.3	35.0	22.74	.4	34.7
Professional specialty	26.30	2.7	34.7	26.51	2.9	34.7	24.54	2.5	34.6
Engineers, architects, and surveyors	26.87	7.2	41.8	26.81	7.2	41.9	-	-	-
Aerospace engineers	34.64	7.5	40.0	34.64	7.5	40.0	-	-	-
Chemical engineers	27.42	9.7	40.0	27.42	9.7	40.0	-	-	-
Civil engineers	27.85	5.4	38.9	27.85	5.4	38.9	-	-	-
Electrical and electronic engineers	33.61	4.3	40.2	33.61	4.3	40.2	-	-	-
Industrial engineers	27.91	5.0	40.4	27.91	5.0	40.4	-	-	-
Engineers, n.e.c.	31.14	3.5	39.6	31.14	3.5	39.6	-	-	-
Mathematical and computer scientists	28.97	3.9	39.7	29.54	4.1	39.8	24.23	8.0	38.9
Computer systems analysts and scientists	29.68	4.8	39.8	30.50	4.4	39.9	24.23	8.0	38.9
Operations and systems researchers and analysts	24.36	8.9	39.4	24.36	8.9	39.4	-	-	-
Natural scientists	29.19	9.6	37.3	30.56	9.2	37.1	-	-	-
Chemists, except biochemists	23.92	15.5	38.3	23.92	15.5	38.3	-	-	-
Medical scientists	27.89	18.5	35.3	27.89	18.5	35.3	-	-	-
Health related	22.38	4.5	30.4	22.54	5.0	30.2	21.30	7.7	31.5
Physicians	34.97	8.9	40.1	33.39	9.9	41.8	-	-	-
Registered nurses	22.71	2.3	27.8	23.52	1.4	27.5	18.28	1.4	29.4
Pharmacists	11.18	18.2	31.6	11.18	18.2	31.6	-	-	-
Respiratory therapists	20.03	2.9	34.3	20.03	2.9	34.3	-	-	-
Occupational therapists	24.58	8.2	34.8	24.58	8.2	34.8	-	-	-
Speech therapists	31.23	8.2	34.9	30.13	11.4	34.9	-	-	-
Therapists, n.e.c.	21.88	13.3	33.5	21.88	13.3	33.5	-	-	-
Teachers, college and university	39.44	3.7	34.2	41.20	4.7	33.2	34.12	5.7	37.8
Engineering teachers	47.98	10.3	31.6	50.72	8.1	31.7	-	-	-
Mathematical science teachers	36.14	24.8	32.2	-	-	-	-	-	-
Medical science teachers	41.08	7.1	32.1	39.25	10.5	28.2	-	-	-
Health specialties teachers	30.07	6.4	31.2	-	-	-	-	-	-
Business, commerce, and marketing teachers	52.85	18.4	36.0	-	-	-	-	-	-
Art, drama, and music teachers	31.13	9.2	36.6	29.86	10.1	36.2	-	-	-
Education teachers	46.84	12.8	36.6	-	-	-	-	-	-
English teachers	39.04	16.9	36.6	39.04	16.9	36.6	-	-	-
Foreign language teachers	28.61	13.1	34.2	28.61	13.1	34.2	-	-	-
Trade and industrial teachers	30.43	8.1	37.6	-	-	-	-	-	-
Other post-secondary teachers	38.95	7.8	33.0	39.66	7.6	32.5	-	-	-
Teachers, except college and university	28.91	5.8	33.1	29.26	6.5	32.6	26.84	9.2	35.8
Elementary school teachers	32.54	2.5	34.4	33.00	2.7	34.0	-	-	-
Secondary school teachers	31.24	5.7	35.1	33.09	3.3	34.1	-	-	-
Teachers, special education	29.50	7.2	34.7	30.72	7.5	33.6	-	-	-
Teachers, n.e.c.	32.08	18.8	25.2	32.13	18.9	25.3	-	-	-
Substitute teachers	8.58	3.6	12.3	8.59	4.8	11.8	-	-	-
Vocational and educational counselors	30.03	7.5	32.5	31.18	9.0	33.9	-	-	-
Librarians, archivists, and curators	22.53	9.6	35.3	24.42	7.4	34.6	-	-	-
Librarians	22.45	10.1	36.3	24.50	7.7	35.8	-	-	-
Social scientists and urban planners	23.73	11.7	31.7	24.37	12.3	31.2	-	-	-
Psychologists	21.22	18.7	27.1	21.22	18.7	27.1	-	-	-
Social, recreation, and religious workers	17.53	4.4	34.8	17.73	4.3	34.8	-	-	-
Social workers	17.72	4.6	35.2	17.95	4.4	35.2	-	-	-
Recreation workers	14.35	9.5	29.1	14.35	9.5	29.1	-	-	-
Lawyers and judges	36.90	6.3	39.0	36.90	6.3	39.0	-	-	-
Lawyers	36.38	6.5	39.1	36.38	6.5	39.1	-	-	-
Writers, authors, entertainers, athletes, and professionals, n.e.c.	21.33	7.8	37.0	21.54	8.3	37.7	-	-	-
Technical writers	28.78	8.6	32.7	28.78	8.6	32.7	-	-	-
Designers	23.40	7.8	39.3	23.40	7.8	39.3	-	-	-
Editors and reporters	18.55	5.7	39.2	18.55	5.7	39.2	-	-	-
Public relations specialists	24.84	10.8	38.0	25.63	10.5	38.2	-	-	-
Athletes	19.01	19.9	24.8	-	-	-	-	-	-
Professional, n.e.c.	25.24	13.6	36.5	25.24	13.6	36.5	-	-	-

See footnotes at end of table.

TABLE 4-5. **New England census division:**¹ **Mean hourly earnings**² **and weekly hours by metropolitan and nonmetropolitan areas**³ **for selected occupations, National Compensation Survey,**⁴ **1999—Continued**

Occupation ⁵	Total			Metropolitan			Nonmetropolitan		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)	
White collar —Continued									
Professional specialty and technical —Continued									
Technical	\$17.87	2.8	36.2	\$18.21	3.1	36.3	\$15.49	7.1	35.1
Clinical laboratory technologists and technicians	16.20	5.4	35.5	16.20	5.4	35.5	—	—	—
Radiological technicians	20.68	3.7	29.5	20.68	3.7	29.5	—	—	—
Licensed practical nurses	16.05	2.0	30.2	16.89	1.8	31.5	13.44	4.0	26.9
Health technologists and technicians, n.e.c.	14.60	4.1	34.7	14.60	4.1	34.7	—	—	—
Electrical and electronic technicians	18.44	3.5	39.7	18.60	3.9	39.6	—	—	—
Mechanical engineering technicians	22.05	4.8	40.0	22.05	4.8	40.0	—	—	—
Engineering technicians, n.e.c.	20.85	3.6	38.2	20.85	3.6	38.2	—	—	—
Drafters	17.04	4.2	40.0	17.38	4.4	40.0	—	—	—
Chemical technicians	15.44	6.5	40.0	17.53	5.4	40.0	—	—	—
Science technicians, n.e.c.	17.51	13.1	38.0	16.07	12.9	36.1	—	—	—
Computer programmers	23.70	6.7	39.1	23.70	6.7	39.1	—	—	—
Legal assistants	19.61	9.9	39.5	19.61	9.9	39.5	—	—	—
Technical and related, n.e.c.	17.82	8.2	37.5	17.82	8.2	37.5	—	—	—
Executive, administrative, and managerial	31.35	5.9	40.7	31.71	6.3	40.7	26.23	5.8	41.5
Executives, administrators, and managers	35.61	4.3	41.2	36.06	5.0	41.1	29.42	13.6	42.8
Legislators	25.83	4.8	19.1	25.83	4.8	19.1	—	—	—
Administrators and officials, public administration ...	29.46	10.2	36.6	32.22	5.1	36.1	—	—	—
Financial managers	32.71	8.2	40.3	31.73	7.8	40.3	—	—	—
Personnel and labor relations managers	26.20	22.6	46.8	40.17	14.5	42.1	—	—	—
Managers, marketing, advertising, and public relations	44.00	8.1	41.0	44.00	8.1	41.0	—	—	—
Administrators, education and related fields	33.72	7.1	37.3	33.79	7.6	37.3	—	—	—
Managers, food servicing and lodging establishments	20.64	9.4	45.6	20.64	9.4	45.6	—	—	—
Managers, service organizations, n.e.c.	23.88	14.4	39.5	24.01	14.5	39.5	—	—	—
Managers and administrators, n.e.c.	43.25	9.8	42.2	43.82	9.8	42.2	34.24	.8	42.7
Management related	21.40	2.7	39.6	21.63	2.7	39.7	17.78	1.5	38.5
Accountants and auditors	19.91	5.0	39.3	20.09	5.5	39.3	—	—	—
Underwriters	24.97	7.6	38.8	26.14	8.5	39.5	—	—	—
Other financial officers	20.92	8.4	40.2	20.93	8.4	40.2	—	—	—
Management analysts	24.37	6.9	39.4	24.42	7.0	39.4	—	—	—
Personnel, training, and labor relations specialists ..	21.67	3.4	40.5	21.77	3.4	40.4	—	—	—
Buyers, wholesale and retail trade, except farm products	28.24	8.8	41.5	28.24	8.8	41.5	—	—	—
Purchasing agents and buyers, n.e.c.	20.72	8.1	39.3	20.72	8.1	39.3	—	—	—
Construction inspectors	20.72	20.2	32.1	26.22	6.7	33.4	—	—	—
Inspectors and compliance officers, except construction	22.95	6.1	39.3	22.95	6.1	39.3	—	—	—
Management related, n.e.c.	21.28	5.8	39.2	21.58	6.2	39.2	—	—	—
Sales	11.20	7.1	28.6	11.14	7.3	28.6	14.24	9.7	33.4
Supervisors, sales	21.00	9.0	42.0	20.93	11.0	42.5	—	—	—
Securities and financial services sales	29.53	16.2	40.8	29.53	16.2	40.8	—	—	—
Advertising and related sales	21.87	13.1	40.0	21.87	13.1	40.0	—	—	—
Sales representatives, mining, manufacturing, and wholesale	22.23	19.3	41.0	22.23	19.3	41.0	—	—	—
Sales workers, motor vehicles and boats	23.88	15.1	42.8	23.88	15.1	42.8	—	—	—
Sales workers, apparel	7.37	2.1	25.7	7.37	2.1	25.7	—	—	—
Sales workers, other commodities	8.87	7.7	24.3	8.77	7.7	24.2	—	—	—
Sales counter clerks	10.15	13.2	29.6	10.15	13.2	29.6	—	—	—
Cashiers	6.96	2.4	25.0	6.96	2.4	24.9	—	—	—
Sales support, n.e.c.	21.58	16.8	39.1	21.58	16.8	39.1	—	—	—
Administrative support, including clerical	13.55	2.7	35.8	13.71	2.8	35.8	11.68	8.5	35.8
Supervisors, general office	16.99	5.2	41.2	17.19	5.8	41.1	—	—	—
Supervisors, financial records processing	20.72	6.4	39.3	21.82	6.1	39.9	—	—	—
Supervisors, distribution, scheduling, and adjusting clerks	22.15	2.5	39.4	22.15	2.5	39.4	—	—	—
Computer operators	15.52	8.0	38.4	15.75	8.7	38.2	—	—	—

See footnotes at end of table.

TABLE 4-5. **New England census division:**¹ **Mean hourly earnings**² **and weekly hours by metropolitan and nonmetropolitan areas**³ **for selected occupations, National Compensation Survey,**⁴ **1999—Continued**

Occupation ⁵	Total			Metropolitan			Nonmetropolitan		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)	
White collar —Continued									
Administrative support, including clerical —Continued									
Secretaries	\$15.29	2.6	34.7	\$15.47	3.0	34.6	\$13.88	6.1	35.1
Typists	13.56	2.7	34.0	13.56	2.7	34.0	—	—	—
Interviewers	10.31	7.2	33.1	10.29	7.2	33.1	—	—	—
Transportation ticket and reservation agents	14.49	3.4	36.7	14.49	3.4	36.7	—	—	—
Receptionists	10.52	4.7	35.6	10.90	6.0	36.1	—	—	—
Information clerks, n.e.c.	13.16	12.8	37.8	13.16	12.8	37.8	—	—	—
Correspondence clerks	10.76	5.9	39.9	10.76	5.9	39.9	—	—	—
Order clerks	11.44	8.1	37.6	11.43	8.3	37.6	—	—	—
Personnel clerks, except payroll and timekeeping ...	15.01	9.1	37.9	15.01	9.1	37.9	—	—	—
Library clerks	12.96	7.0	31.0	13.49	6.5	29.9	—	—	—
Records clerks, n.e.c.	12.10	4.4	37.9	12.18	5.0	37.9	—	—	—
Bookkeepers, accounting and auditing clerks	12.56	3.6	34.6	12.62	3.9	35.1	—	—	—
Payroll and timekeeping clerks	13.24	6.0	36.2	13.32	6.1	36.1	—	—	—
Billing clerks	11.61	4.8	36.9	11.57	4.9	36.9	—	—	—
Telephone operators	9.66	4.7	27.6	9.66	4.7	27.6	—	—	—
Mail clerks, except postal service	9.16	4.0	38.6	9.16	4.0	38.6	—	—	—
Dispatchers	13.82	1.9	36.6	13.87	1.9	37.2	—	—	—
Production coordinators	17.07	7.1	39.7	17.07	7.1	39.7	—	—	—
Traffic, shipping and receiving clerks	13.36	9.6	38.4	13.89	7.2	39.3	—	—	—
Stock and inventory clerks	12.49	6.9	37.2	12.14	6.5	36.8	—	—	—
Insurance adjusters, examiners, and investigators ..	16.44	5.0	37.5	16.44	5.0	37.5	—	—	—
Investigators and adjusters, except insurance	14.17	4.4	37.5	14.13	4.5	37.5	—	—	—
Bill and account collectors	14.60	5.5	39.6	14.60	5.5	39.6	—	—	—
General office clerks	12.56	3.1	32.5	12.57	3.1	32.3	—	—	—
Bank tellers	11.25	11.2	34.9	11.71	12.1	36.5	—	—	—
Data entry keyers	11.49	7.3	35.8	11.81	6.9	35.5	—	—	—
Statistical clerks	13.09	19.6	35.8	13.09	19.6	35.8	—	—	—
Teachers' aides	10.25	4.5	33.2	10.83	3.7	31.1	—	—	—
Administrative support, n.e.c.	12.92	5.0	37.8	13.02	5.7	37.8	—	—	—
Blue collar	13.59	3.0	37.7	13.92	3.0	37.6	10.22	13.2	38.7
Precision production, craft, and repair									
Supervisors, mechanics and repairers	15.61	7.1	40.8	15.61	7.1	40.8	—	—	—
Automobile mechanics	17.80	5.7	39.5	17.80	5.7	39.5	—	—	—
Bus, truck, and stationary engine mechanics	16.18	7.3	40.2	16.23	7.3	40.2	—	—	—
Industrial machinery repairers	16.06	3.4	39.9	15.56	2.2	39.9	—	—	—
Electronic repairers, communications and industrial equipment	20.65	7.6	36.4	20.65	7.6	36.4	—	—	—
Supervisors, construction trades, n.e.c.	18.40	6.6	41.4	18.64	7.0	41.5	—	—	—
Carpenters	16.56	4.0	39.9	16.56	4.0	39.9	—	—	—
Electricians	22.76	11.4	40.0	22.76	11.4	40.0	—	—	—
Electrical power installers and repairers	25.29	1.4	40.0	25.40	1.4	40.0	—	—	—
Painters, construction and maintenance	15.59	4.5	40.0	15.64	4.8	40.0	—	—	—
Plumbers, pipefitters and steamfitters	17.81	3.9	40.0	17.94	4.2	40.0	—	—	—
Construction trades, n.e.c.	13.14	7.3	39.9	14.44	9.1	39.9	—	—	—
Supervisors, production	18.49	2.5	41.5	18.94	4.1	41.6	—	—	—
Machinists	18.49	3.4	39.8	18.93	2.5	39.8	—	—	—
Butchers and meat cutters	12.30	16.0	37.9	13.68	23.4	36.8	—	—	—
Inspectors, testers, and graders	15.19	7.2	39.9	15.21	7.3	39.9	—	—	—
Water and sewer treatment plant operators	18.04	3.6	40.0	18.04	3.6	40.0	—	—	—
Machine operators, assemblers, and inspectors									
Lathe and turning machine operators	16.72	3.8	40.0	16.72	3.8	40.0	—	—	—
Punching and stamping press operators	11.08	5.9	39.4	11.08	5.9	39.4	—	—	—
Grinding, abrading, buffing, and polishing machine operators	8.64	9.9	40.0	10.56	6.7	40.0	—	—	—
Numerical control machine operators	13.99	4.9	40.0	13.99	4.9	40.0	—	—	—
Fabricating machine operators, n.e.c.	13.46	3.7	40.0	13.46	3.7	40.0	—	—	—
Molding and casting machine operators	11.72	7.9	39.9	12.46	7.6	39.9	—	—	—
Metal plating machine operators	12.49	7.2	41.4	12.49	7.2	41.4	—	—	—

See footnotes at end of table.

TABLE 4-5. **New England census division:**¹ **Mean hourly earnings**² **and weekly hours by metropolitan and nonmetropolitan areas**³ **for selected occupations, National Compensation Survey,**⁴ **1999—Continued**

Occupation ⁵	Total			Metropolitan			Nonmetropolitan		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)	
Blue collar—Continued									
Machine operators, assemblers, and inspectors—Continued									
Heat treating equipment operators	\$14.06	8.8	40.0	\$14.06	8.8	40.0	—	—	—
Printing press operators	14.77	5.2	38.4	14.77	5.2	38.4	—	—	—
Photoengravers and lithographers	14.76	12.4	39.7	14.76	12.4	39.7	—	—	—
Winding and twisting machine operators	10.52	.8	39.8	10.52	.8	39.8	—	—	—
Knitting, looping, taping, and weaving machine operators	10.62	2.5	39.6	10.25	1.6	39.4	—	—	—
Laundering and dry cleaning machine operators	8.14	7.8	32.3	8.14	7.8	32.3	—	—	—
Packaging and filling machine operators	10.63	7.4	39.9	10.63	7.4	39.9	—	—	—
Extruding and forming machine operators	10.65	10.0	39.1	11.17	12.0	38.8	—	—	—
Mixing and blending machine operators	12.20	13.2	40.0	12.30	14.2	40.0	—	—	—
Separating, filtering, and clarifying machine operators	16.89	2.8	40.0	16.89	2.8	40.0	—	—	—
Compressing and compacting machine operators ..	11.29	10.3	33.9	11.29	10.3	33.9	—	—	—
Painting and paint spraying machine operators	11.51	3.5	40.0	—	—	—	—	—	—
Slicing and cutting machine operators	9.64	8.6	40.0	12.67	12.4	40.0	—	—	—
Miscellaneous machine operators, n.e.c.	10.61	5.1	38.7	11.87	4.4	39.6	\$8.29	10.5	37.3
Welders and cutters	16.01	5.1	40.0	16.01	5.1	40.0	—	—	—
Assemblers	10.65	9.3	34.7	10.03	7.6	33.8	—	—	—
Miscellaneous hand working, n.e.c.	8.50	6.6	40.4	8.50	6.6	40.4	—	—	—
Production inspectors, checkers and examiners	12.17	5.4	39.9	12.32	4.8	39.9	—	—	—
Production testers	12.07	2.9	40.0	12.07	2.9	40.0	—	—	—
Transportation and material moving	13.53	13.6	37.0	13.53	13.7	37.0	—	—	—
Truck drivers	12.97	19.2	36.7	12.96	19.3	36.7	—	—	—
Bus drivers	15.08	5.0	32.0	15.22	5.0	32.3	—	—	—
Supervisors, material moving equipment	15.98	5.9	44.3	15.98	5.9	44.3	—	—	—
Excavating and loading machine operators	18.57	18.0	40.0	18.57	18.0	40.0	—	—	—
Industrial truck and tractor equipment operators	13.77	4.5	39.4	13.77	4.5	39.4	—	—	—
Miscellaneous material moving equipment operators, n.e.c.	14.23	8.6	40.0	14.23	8.6	40.0	—	—	—
Handlers, equipment cleaners, helpers, and laborers ..	11.37	3.6	34.3	11.77	3.8	33.9	8.38	8.9	37.4
Groundskeepers and gardeners, except farm	10.93	9.9	32.4	10.93	10.2	32.2	—	—	—
Supervisors, handlers, equipment cleaners, and laborers, n.e.c.	17.20	1.2	39.5	—	—	—	—	—	—
Construction laborers	16.11	11.1	38.9	16.62	11.7	38.8	—	—	—
Production helpers	9.02	22.0	39.6	12.49	8.3	39.2	—	—	—
Stock handlers and baggers	9.07	3.2	28.4	9.26	2.8	28.0	—	—	—
Machine feeders and offbearers	8.36	12.6	36.0	10.32	9.7	32.3	—	—	—
Freight, stock, and material handlers, n.e.c.	12.20	5.4	32.8	11.99	5.0	32.4	—	—	—
Hand packers and packagers	8.42	3.3	31.6	8.49	3.6	32.0	—	—	—
Laborers, except construction, n.e.c.	11.82	4.4	36.8	11.78	4.6	36.8	—	—	—
Service	9.99	2.9	29.0	10.10	3.3	29.3	8.87	1.3	26.5
Protective service	15.43	4.6	35.9	15.48	4.7	35.9	13.96	24.8	35.6
Supervisors, firefighters and fire prevention	22.15	3.3	41.9	22.52	3.1	41.9	—	—	—
Supervisors, police and detectives	25.26	11.3	39.6	25.30	12.4	39.6	—	—	—
Supervisors, guards	16.30	3.1	38.3	16.30	3.1	38.3	—	—	—
Firefighting	18.61	2.8	42.6	18.61	2.8	42.6	—	—	—
Police and detectives, public service	18.92	2.1	38.5	19.17	1.9	39.1	—	—	—
Sheriffs, bailiffs, and other law enforcement officers	17.11	8.8	39.2	17.99	10.4	39.1	—	—	—
Crossing guards	10.24	7.3	15.3	10.24	7.3	15.3	—	—	—
Guards and police, except public service	9.37	3.6	33.5	9.38	3.7	33.3	—	—	—
Protective service, n.e.c.	8.02	13.6	18.7	8.02	13.6	18.7	—	—	—
Food service	7.41	3.7	25.6	7.40	4.1	26.0	7.47	9.9	22.8
Waiters, waitresses, and bartenders	4.42	6.5	24.8	4.38	6.7	26.3	4.61	21.8	18.7
Bartenders	5.83	8.1	33.5	5.73	8.0	35.0	—	—	—
Waiters and waitresses	3.66	10.2	23.5	3.54	8.9	24.5	4.15	36.9	20.3
Waiters'/Waitresses' assistants	5.21	7.9	16.3	5.22	9.6	18.4	—	—	—

See footnotes at end of table.

TABLE 4-5. **New England census division:**¹ **Mean hourly earnings**² **and weekly hours by metropolitan and nonmetropolitan areas**³ **for selected occupations, National Compensation Survey,**⁴ **1999–Continued**

Occupation ⁵	Total			Metropolitan			Nonmetropolitan		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)	
Service –Continued									
Food service –Continued									
Other food service	\$8.65	5.9	25.9	\$8.58	6.4	25.9	\$9.35	3.5	26.6
Supervisors, food preparation and service	14.42	5.5	39.6	15.03	6.7	37.9	–	–	–
Cooks	9.14	6.0	30.8	9.24	6.9	32.0	–	–	–
Kitchen workers, food preparation	7.68	4.7	27.2	7.94	4.2	25.5	–	–	–
Food preparation, n.e.c.	7.42	2.7	21.8	7.44	2.7	22.2	6.86	8.4	14.8
Health service	10.31	3.0	30.1	10.36	3.4	30.4	9.87	3.1	28.2
Health aides, except nursing	9.55	4.9	23.6	9.56	5.9	24.4	9.54	7.4	21.0
Nursing aides, orderlies and attendants	10.45	2.2	32.3	10.49	2.3	32.0	10.05	4.4	34.7
Cleaning and building service	10.07	4.0	33.1	10.19	4.0	32.7	9.11	14.0	36.5
Supervisors, cleaning and building service workers	17.84	10.2	39.4	18.00	11.8	39.3	–	–	–
Maids and housemen	7.40	5.3	31.7	7.40	5.9	31.7	–	–	–
Janitors and cleaners	10.58	2.9	33.3	10.75	2.8	32.8	9.17	12.4	38.6
Personal service	8.80	3.9	25.1	8.78	4.0	25.5	–	–	–
Supervisors, personal service	13.50	7.4	37.4	13.58	9.2	36.8	–	–	–
Public transportation attendants	24.51	32.5	19.6	24.51	32.5	19.6	–	–	–
Welfare service aides	10.91	5.5	21.8	11.33	4.4	24.5	–	–	–
Child care workers, n.e.c.	8.97	13.8	28.7	8.94	14.3	28.5	–	–	–

¹ The New England census division consists of Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut.

² 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.

³ Metropolitan areas can be a Metropolitan Statistical Area (MSA) or Consolidated Metropolitan Statistical Area (CMSA) as defined by the Office of Management and Budget, 1994. Nonmetropolitan areas are counties that do not fit the definitions above. For more information, see appendix E.

⁴ In this census division, collection was conducted between May 1999 and April 2000.

The average reference period was October 1999. For the first time, estimates include workers in private establishments employing fewer than 50 workers.

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

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, and n.e.c. means "not elsewhere classified." Overall occupational groups may include data for categories not shown separately.

TABLE 4-6. Middle Atlantic census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1999

Occupation ⁵	Total			Metropolitan			Nonmetropolitan		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)	
All	\$17.84	3.7	34.8	\$17.93	3.8	34.8	\$14.93	3.6	35.6
All, excluding sales	18.12	4.0	35.2	18.23	4.1	35.2	14.94	3.6	35.7
White collar	22.13	5.2	34.6	22.22	5.3	34.5	18.55	4.4	35.1
White collar, excluding sales	23.40	5.6	35.4	23.52	5.8	35.4	18.87	4.0	35.2
Professional specialty and technical	30.18	10.3	34.5	30.52	10.5	34.5	21.97	7.2	33.9
Professional specialty	33.81	11.5	34.5	34.30	11.8	34.6	23.41	8.3	33.5
Engineers, architects, and surveyors	27.01	5.4	39.7	27.21	5.5	39.6	-	-	-
Architects	25.06	10.2	41.5	25.06	10.2	41.5	-	-	-
Metallurgical and materials engineers	26.78	5.6	40.1	26.78	5.6	40.1	-	-	-
Chemical engineers	33.43	5.9	39.7	33.43	5.9	39.7	-	-	-
Nuclear engineers	37.64	11.5	40.0	37.64	11.5	40.0	-	-	-
Civil engineers	26.68	5.8	39.5	26.68	5.8	39.5	-	-	-
Electrical and electronic engineers	28.88	6.9	39.7	28.94	6.9	39.7	-	-	-
Industrial engineers	22.27	21.6	40.5	22.78	24.0	40.0	-	-	-
Mechanical engineers	23.35	9.0	38.9	23.34	9.1	38.9	-	-	-
Engineers, n.e.c.	30.03	3.9	39.5	30.03	3.9	39.5	-	-	-
Mathematical and computer scientists	31.81	7.4	39.2	31.85	7.4	39.1	-	-	-
Computer systems analysts and scientists	29.38	7.0	39.2	29.41	7.0	39.2	-	-	-
Operations and systems researchers and analysts	45.18	12.8	39.5	45.18	12.8	39.5	-	-	-
Natural scientists	31.56	4.3	39.3	31.56	4.3	39.3	-	-	-
Chemists, except biochemists	35.11	7.8	39.9	35.11	7.8	39.9	-	-	-
Physical scientists, n.e.c.	25.40	8.4	39.9	25.40	8.4	39.9	-	-	-
Biological and life scientists	31.91	6.8	38.0	31.91	6.8	38.0	-	-	-
Medical scientists	34.24	3.1	38.8	34.24	3.1	38.8	-	-	-
Health related	40.23	29.6	33.2	41.34	30.2	33.3	21.73	7.3	30.8
Physicians	87.77	23.5	33.0	87.89	23.6	33.0	-	-	-
Registered nurses	22.90	5.7	33.5	23.25	6.2	33.8	18.65	2.2	30.3
Pharmacists	30.22	4.5	30.6	30.28	4.8	30.2	-	-	-
Dietitians	17.09	4.6	34.9	17.09	4.6	34.9	-	-	-
Respiratory therapists	21.33	2.3	32.0	21.33	2.3	32.0	-	-	-
Occupational therapists	22.71	5.6	31.2	22.71	5.6	31.2	-	-	-
Physical therapists	27.88	7.3	34.3	28.09	7.4	35.1	-	-	-
Speech therapists	25.41	10.2	24.5	26.13	11.5	25.6	-	-	-
Therapists, n.e.c.	18.16	6.1	37.1	18.60	6.0	37.5	-	-	-
Physicians' assistants	25.74	10.3	36.7	25.74	10.3	36.7	-	-	-
Teachers, college and university	43.79	3.7	31.2	44.46	3.9	30.8	34.72	.9	38.0
Biological science teachers	38.28	6.4	36.1	40.55	5.8	35.5	-	-	-
Chemistry teachers	42.92	19.6	34.4	42.92	19.6	34.4	-	-	-
Natural science teachers, n.e.c.	50.92	3.2	37.3	50.92	3.2	37.3	-	-	-
Psychology teachers	46.08	15.7	34.0	46.08	15.7	34.0	-	-	-
Computer science teachers	34.11	12.9	21.9	34.11	12.9	21.9	-	-	-
Medical science teachers	76.20	15.0	28.1	76.20	15.0	28.1	-	-	-
Health specialties teachers	34.60	6.6	33.3	34.60	6.6	33.3	-	-	-
Business, commerce, and marketing teachers	45.46	21.7	32.1	46.13	22.2	32.1	-	-	-
Art, drama, and music teachers	28.16	14.5	27.8	25.67	14.9	26.0	-	-	-
Education teachers	29.67	7.3	20.1	27.62	8.8	17.2	-	-	-
English teachers	48.07	12.2	36.2	51.67	10.7	35.9	-	-	-
Theology teachers	57.70	12.7	34.5	57.70	12.7	34.5	-	-	-
Other post-secondary teachers	39.48	4.1	30.9	39.42	4.2	30.7	-	-	-
Teachers, except college and university	32.93	3.1	32.8	33.31	3.2	32.7	27.08	13.7	33.7
Prekindergarten and kindergarten	29.18	18.5	32.8	29.18	18.5	32.8	-	-	-
Elementary school teachers	33.86	5.7	34.3	34.20	5.9	34.2	-	-	-
Secondary school teachers	37.02	3.1	36.0	37.78	3.1	36.0	-	-	-
Teachers, special education	36.09	4.5	32.8	36.19	4.6	32.7	-	-	-
Teachers, n.e.c.	30.32	7.4	29.3	30.50	7.8	28.9	-	-	-
Substitute teachers	10.47	4.6	21.0	10.65	4.9	23.0	-	-	-
Vocational and educational counselors	26.86	14.9	35.1	26.76	17.8	34.8	27.34	16.0	36.6
Librarians, archivists, and curators	27.25	10.0	35.7	27.25	10.0	35.7	-	-	-
Librarians	28.33	8.3	35.0	28.33	8.3	35.0	-	-	-
Social scientists and urban planners	30.46	8.1	34.9	30.46	8.1	34.9	-	-	-
Economists	30.35	9.5	37.5	30.35	9.5	37.5	-	-	-
Psychologists	31.30	11.2	33.4	31.30	11.2	33.4	-	-	-
Social, recreation, and religious workers	18.54	3.3	35.6	18.67	3.6	35.5	17.39	4.1	35.9

See footnotes at end of table.

TABLE 4-6. Middle Atlantic census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1999–Continued

Occupation ⁵	Total			Metropolitan			Nonmetropolitan		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)	
White collar –Continued									
Professional specialty and technical –Continued									
Professional specialty –Continued									
Social, recreation, and religious workers –Continued									
Social workers	\$18.94	3.2	35.5	\$19.10	3.5	35.5	\$17.63	5.4	35.9
Recreation workers	14.66	8.4	32.6	14.88	8.3	32.5	–	–	–
Clergy	15.04	25.3	43.2	15.04	25.3	43.2	–	–	–
Lawyers and judges	43.48	10.1	39.5	43.78	10.2	39.7	–	–	–
Lawyers	43.49	10.1	39.7	43.79	10.2	39.9	–	–	–
Writers, authors, entertainers, athletes, and professionals, n.e.c.	26.93	6.4	32.4	27.05	6.5	32.3	–	–	–
Technical writers	24.30	11.1	40.0	24.30	11.1	40.0	–	–	–
Designers	30.28	11.0	39.2	30.28	11.0	39.2	–	–	–
Painters, sculptors, craft artists, and artist printmakers	19.31	11.6	39.2	19.31	11.6	39.2	–	–	–
Editors and reporters	31.69	17.2	37.3	31.84	17.4	37.2	–	–	–
Public relations specialists	21.70	7.2	37.3	22.29	7.0	37.6	–	–	–
Athletes	17.78	11.8	18.4	17.72	14.2	16.7	–	–	–
Professional, n.e.c.	32.17	6.1	39.1	32.17	6.1	39.1	–	–	–
Technical	18.63	4.5	34.2	18.77	4.6	34.2	12.89	2.5	36.6
Clinical laboratory technologists and technicians	17.52	4.2	35.8	17.65	4.2	35.8	–	–	–
Health record technologists and technicians	14.04	6.8	30.0	14.04	6.8	30.0	–	–	–
Licensed practical nurses	14.98	2.8	30.8	15.16	3.0	30.5	12.84	6.2	34.4
Health technologists and technicians, n.e.c.	13.29	8.2	27.3	13.32	8.3	27.2	–	–	–
Electrical and electronic technicians	16.16	10.7	38.7	16.12	10.7	38.7	–	–	–
Mechanical engineering technicians	22.67	1.7	39.6	22.67	1.7	39.6	–	–	–
Engineering technicians, n.e.c.	19.98	2.1	39.4	19.98	2.1	39.4	–	–	–
Drafters	15.95	7.8	40.0	15.95	7.8	40.0	–	–	–
Biological technicians	20.53	4.8	37.5	20.53	4.8	37.5	–	–	–
Chemical technicians	17.56	5.0	39.7	17.56	5.0	39.7	–	–	–
Science technicians, n.e.c.	17.43	2.7	36.1	17.43	2.7	36.1	–	–	–
Airplane pilots and navigators	110.78	19.0	20.7	110.78	19.0	20.7	–	–	–
Broadcast equipment operators	19.98	40.4	31.1	19.98	40.4	31.1	–	–	–
Computer programmers	23.28	8.0	34.4	24.48	6.4	34.0	–	–	–
Technical and related, n.e.c.	19.48	8.4	38.4	19.64	8.6	38.5	–	–	–
Executive, administrative, and managerial									
Executives, administrators, and managers	30.69	3.7	38.4	30.83	3.8	38.4	22.82	8.0	38.5
Administrators and officials, public administration ...	33.63	4.5	38.4	33.88	4.6	38.4	23.69	9.7	38.5
Financial managers	30.26	4.7	36.7	32.03	5.1	36.7	23.85	8.2	36.8
Personnel and labor relations managers	38.26	8.7	38.5	38.45	8.7	38.5	–	–	–
Purchasing managers	35.03	6.4	40.0	36.01	6.6	40.1	–	–	–
Managers, marketing, advertising, and public relations	33.68	9.0	41.0	33.68	9.0	41.0	–	–	–
Administrators, education and related fields	39.68	4.7	40.0	39.73	4.7	40.0	–	–	–
Managers, medicine and health	34.45	8.2	37.4	35.19	8.3	37.3	25.89	9.1	38.7
Managers, food servicing and lodging establishments	32.86	4.4	34.7	33.17	4.5	34.6	–	–	–
Managers, properties and real estate	17.47	15.3	43.4	18.04	17.0	43.7	–	–	–
Managers, service organizations, n.e.c.	37.23	17.5	39.3	37.23	17.5	39.3	–	–	–
Managers and administrators, n.e.c.	31.46	6.9	36.3	31.46	6.9	36.3	–	–	–
Management related	32.65	8.4	39.2	32.69	8.4	39.2	–	–	–
Accountants and auditors	26.43	7.3	38.4	26.50	7.3	38.4	19.84	8.5	38.5
Underwriters	23.19	4.1	37.9	23.32	4.1	37.9	–	–	–
Other financial officers	39.94	13.4	38.4	39.94	13.4	38.4	–	–	–
Management analysts	32.47	12.2	39.0	32.55	12.2	39.0	–	–	–
Personnel, training, and labor relations specialists ..	29.28	4.5	39.4	29.28	4.5	39.4	–	–	–
Buyers, wholesale and retail trade, except farm products	22.78	7.1	38.4	22.80	7.1	38.4	–	–	–
Purchasing agents and buyers, n.e.c.	15.57	7.6	42.5	15.57	7.6	42.5	–	–	–
Construction inspectors	28.41	14.3	39.2	28.41	14.3	39.2	–	–	–
Inspectors and compliance officers, except construction	21.19	9.0	36.7	21.19	9.0	36.7	–	–	–
	20.07	9.7	37.9	20.07	9.7	37.9	–	–	–

See footnotes at end of table.

TABLE 4-6. Middle Atlantic census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1999–Continued

Occupation ⁵	Total			Metropolitan			Nonmetropolitan		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)	
White collar –Continued									
Executive, administrative, and managerial –Continued									
Management related –Continued									
Management related, n.e.c.	\$29.93	18.8	37.7	\$30.00	18.9	37.7	–	–	–
Sales									
Supervisors, sales	14.39	6.1	30.3	14.38	6.2	30.3	\$14.81	21.5	33.3
Insurance sales	18.08	9.7	39.9	18.09	9.8	39.9	–	–	–
Securities and financial services sales	27.44	18.0	38.9	27.44	18.0	38.9	–	–	–
Advertising and related sales	47.43	23.9	37.5	47.43	23.9	37.5	–	–	–
Sales, other business services	19.59	5.0	36.7	19.59	5.0	36.7	–	–	–
Sales representatives, mining, manufacturing, and wholesale	20.14	11.2	34.4	20.14	11.2	34.4	–	–	–
Sales workers, motor vehicles and boats	23.61	7.9	40.5	23.55	8.5	40.0	–	–	–
Sales workers, apparel	27.53	18.9	44.2	27.53	18.9	44.2	–	–	–
Sales workers, radio, tv, hi-fi, and appliances	12.75	36.1	24.3	12.75	36.1	24.3	–	–	–
Sales workers, hardware and building supplies	15.08	22.7	35.8	15.08	22.7	35.8	–	–	–
Sales workers, parts	12.78	15.1	32.8	12.78	15.1	32.8	–	–	–
Sales workers, other commodities	13.78	18.5	38.6	13.78	18.5	38.6	–	–	–
Cashiers	9.44	9.0	26.9	9.46	9.0	26.9	–	–	–
Demonstrators, promoters, and models, sales	7.73	3.2	26.6	7.75	3.3	26.6	7.27	14.6	27.3
Sales support, n.e.c.	9.55	11.4	25.7	8.69	11.6	24.4	–	–	–
	17.41	9.1	35.7	17.41	9.1	35.7	–	–	–
Administrative support, including clerical									
Supervisors, general office	13.19	1.7	34.8	13.23	1.7	34.8	11.26	4.6	36.4
Supervisors, computer equipment operators	19.09	4.5	38.2	19.19	4.6	38.3	–	–	–
Supervisors, financial records processing	21.23	9.0	39.1	21.23	9.0	39.1	–	–	–
Supervisors, distribution, scheduling, and adjusting clerks	20.01	8.6	36.8	20.35	8.5	36.9	–	–	–
Computer operators	19.67	13.6	40.0	19.67	13.6	40.0	–	–	–
Secretaries	14.38	5.0	38.1	14.43	5.1	38.1	–	–	–
Stenographers	14.46	3.3	36.7	14.49	3.4	36.6	12.54	3.2	37.8
Typists	17.96	9.8	33.5	18.31	10.0	33.3	–	–	–
Interviewers	13.18	3.0	34.0	13.21	3.2	34.0	–	–	–
Hotel clerks	10.67	4.2	31.7	10.69	4.3	32.2	–	–	–
Transportation ticket and reservation agents	10.07	4.6	45.5	10.08	4.6	45.5	–	–	–
Receptionists	15.66	4.2	34.9	15.66	4.2	34.9	–	–	–
Information clerks, n.e.c.	10.66	6.4	29.9	10.67	6.4	29.9	–	–	–
Correspondence clerks	15.03	14.2	35.5	15.18	14.2	35.5	–	–	–
Order clerks	13.46	4.8	38.4	13.46	4.8	38.4	–	–	–
Personnel clerks, except payroll and timekeeping	15.80	3.7	38.5	15.85	3.7	38.5	–	–	–
Library clerks	14.75	4.0	38.5	14.75	4.0	38.5	–	–	–
File clerks	12.05	3.7	26.0	12.05	3.7	26.0	–	–	–
Records clerks, n.e.c.	11.36	4.3	35.5	11.36	4.3	35.5	–	–	–
Bookkeepers, accounting and auditing clerks	12.68	4.0	36.2	12.69	4.1	36.1	–	–	–
Payroll and timekeeping clerks	13.40	2.7	36.9	13.50	2.7	36.8	10.68	6.1	39.3
Billing clerks	14.28	4.3	30.2	14.35	4.3	30.2	–	–	–
Billing, posting, and calculating machine operators	10.76	5.1	39.1	10.85	4.7	39.0	–	–	–
Duplicating machine operators	10.92	6.6	31.8	10.92	6.6	31.8	–	–	–
Office machine operators, n.e.c.	9.93	5.1	32.4	9.93	5.1	32.4	–	–	–
Telephone operators	8.00	8.1	37.2	8.00	8.1	37.2	–	–	–
Mail clerks, except postal service	13.05	4.2	35.6	13.06	4.2	35.6	–	–	–
Messengers	12.04	10.0	37.3	12.04	10.0	37.3	–	–	–
Dispatchers	9.40	14.9	37.0	9.48	15.6	37.0	–	–	–
Production coordinators	15.03	9.3	38.9	15.22	8.9	38.9	–	–	–
Traffic, shipping and receiving clerks	15.87	8.2	38.0	16.06	8.7	37.9	–	–	–
Stock and inventory clerks	12.83	5.3	39.1	12.86	5.3	39.1	–	–	–
Meter readers	11.77	8.9	35.7	11.76	9.3	35.5	–	–	–
Weighers, measurers, checkers, and samplers	17.50	6.2	40.0	17.50	6.3	40.0	–	–	–
Expeditors	14.79	21.9	36.7	14.79	21.9	36.7	–	–	–
Material recording, scheduling, and distribution clerks, n.e.c.	11.15	7.7	38.1	11.15	7.7	38.1	–	–	–
Insurance adjusters, examiners, and investigators ..	11.17	7.9	35.0	11.17	8.1	34.9	–	–	–
	17.10	8.3	38.9	17.10	8.3	38.9	–	–	–

See footnotes at end of table.

TABLE 4-6. Middle Atlantic census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1999—Continued

Occupation ⁵	Total			Metropolitan			Nonmetropolitan		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)	
White collar —Continued									
Administrative support, including clerical —Continued									
Investigators and adjusters, except insurance	\$13.79	7.9	36.1	\$13.81	7.9	36.0	—	—	—
Eligibility clerks, social welfare	14.91	2.9	35.9	15.10	3.2	36.1	—	—	—
Bill and account collectors	13.73	7.1	37.5	13.85	7.1	37.5	—	—	—
General office clerks	12.40	4.3	32.2	12.41	4.4	32.2	\$12.12	8.6	36.2
Bank tellers	10.03	4.8	34.0	10.04	4.8	34.0	—	—	—
Proofreaders	12.24	11.2	36.4	12.24	11.2	36.4	—	—	—
Data entry keyers	11.15	4.0	36.0	11.24	4.2	35.7	10.25	3.6	39.9
Statistical clerks	14.26	6.8	36.6	14.26	6.8	36.6	—	—	—
Teachers' aides	11.41	7.3	29.3	11.48	7.5	29.6	—	—	—
Administrative support, n.e.c.	13.23	4.3	34.3	13.27	4.4	34.4	—	—	—
Blue collar	13.82	2.8	37.9	13.89	3.0	37.9	11.84	5.4	37.2
Precision production, craft, and repair									
Supervisors, mechanics and repairers	21.36	7.6	40.6	21.36	7.6	40.6	—	—	—
Automobile mechanics	16.56	15.2	39.9	16.56	15.2	39.9	—	—	—
Bus, truck, and stationary engine mechanics	16.83	2.7	40.0	16.83	2.7	40.0	—	—	—
Automobile body and related repairers	11.57	10.8	38.8	11.57	10.8	38.8	—	—	—
Heavy equipment mechanics	18.57	10.7	40.0	18.57	10.7	40.0	—	—	—
Industrial machinery repairers	16.47	4.2	39.9	16.98	3.4	39.9	—	—	—
Machinery maintenance	17.94	5.9	40.1	18.00	5.8	40.1	—	—	—
Electronic repairers, communications and industrial equipment	22.15	3.8	35.0	22.15	3.8	35.0	—	—	—
Data processing equipment repairers	17.43	6.8	35.4	17.43	6.8	35.4	—	—	—
Telephone installers and repairers	17.18	12.2	40.0	17.00	12.2	40.0	—	—	—
Heating, air conditioning, and refrigeration mechanics	19.05	8.1	39.9	19.05	8.1	39.9	—	—	—
Office machine repairers	14.62	18.3	40.0	14.62	18.3	40.0	—	—	—
Mechanical controls and valve repairers	19.62	14.8	40.0	19.62	14.8	40.0	—	—	—
Millwrights	20.01	4.7	40.0	20.01	4.7	40.0	—	—	—
Mechanics and repairers, n.e.c.	18.61	3.4	39.4	18.86	3.3	39.4	—	—	—
Supervisors, carpenters and related workers	28.42	20.4	40.0	28.42	20.4	40.0	—	—	—
Supervisors, electricians and power transmission installers	30.26	9.3	39.3	30.23	9.7	39.2	—	—	—
Supervisors, construction trades, n.e.c.	20.42	14.4	38.9	20.49	14.9	38.9	—	—	—
Brickmasons and stonemasons	14.93	4.8	35.9	14.93	4.8	35.9	—	—	—
Carpenters	17.27	6.7	39.6	17.29	6.8	39.6	—	—	—
Electricians	21.01	19.9	38.6	21.01	19.9	38.6	—	—	—
Electrician apprentices	18.43	20.6	39.9	18.43	20.6	39.9	—	—	—
Electrical power installers and repairers	25.73	3.4	40.0	25.65	3.6	40.0	—	—	—
Painters, construction and maintenance	21.76	8.3	38.4	21.76	8.3	38.4	—	—	—
Plumbers, pipefitters and steamfitters	25.50	12.1	37.9	25.60	12.3	37.9	—	—	—
Construction trades, n.e.c.	16.15	7.5	39.3	16.66	8.2	39.2	—	—	—
Supervisors, production	19.86	4.7	40.1	19.86	4.7	40.1	—	—	—
Tool and die makers	18.37	1.8	40.0	18.37	1.8	40.0	—	—	—
Precision assemblers, metal	10.92	10.9	40.0	10.92	10.9	40.0	—	—	—
Machinists	16.40	4.3	40.0	16.40	4.3	40.0	—	—	—
Sheet metal workers	17.22	9.4	40.0	17.22	9.4	40.0	—	—	—
Electrical and electronic equipment assemblers	11.73	6.9	39.3	11.72	7.1	39.3	—	—	—
Miscellaneous precision workers, n.e.c.	20.95	9.3	40.1	20.95	9.3	40.1	—	—	—
Butchers and meat cutters	13.75	6.4	34.3	13.62	7.4	33.6	—	—	—
Inspectors, testers, and graders	18.56	8.8	39.8	18.56	8.8	39.8	—	—	—
Water and sewer treatment plant operators	16.02	7.2	40.0	16.02	7.2	40.0	—	—	—
Stationary engineers	19.35	4.1	37.7	19.91	4.2	37.3	—	—	—
Miscellaneous plant and system operators, n.e.c.	20.00	7.9	41.4	20.00	7.9	41.4	—	—	—
Machine operators, assemblers, and inspectors									
Lathe and turning machine operators	14.47	10.6	39.3	14.47	10.6	39.3	10.16	4.8	39.9
Punching and stamping press operators	12.51	12.1	39.7	12.51	12.1	39.7	—	—	—
Rolling machine operators	19.05	13.7	40.0	19.05	13.7	40.0	—	—	—
Drilling and boring machine operators	15.11	8.3	40.0	15.11	8.3	40.0	—	—	—

See footnotes at end of table.

TABLE 4-6. Middle Atlantic census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1999—Continued

Occupation ⁵	Total			Metropolitan			Nonmetropolitan		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)	
Blue collar—Continued									
Machine operators, assemblers, and inspectors—Continued									
Grinding, abrading, buffing, and polishing machine operators	\$12.61	1.5	39.9	\$12.63	1.6	39.9	—	—	—
Numerical control machine operators	12.95	8.0	40.0	12.95	8.0	40.0	—	—	—
Fabricating machine operators, n.e.c.	13.46	5.6	40.0	13.46	5.6	40.0	—	—	—
Molding and casting machine operators	10.04	10.3	40.0	10.09	10.5	40.0	—	—	—
Heat treating equipment operators	16.84	10.7	39.8	16.84	10.7	39.8	—	—	—
Printing press operators	16.95	6.7	39.5	17.06	7.2	39.4	—	—	—
Photoengravers and lithographers	13.71	7.7	36.4	13.71	7.7	36.4	—	—	—
Typesetters and compositors	18.49	9.4	38.2	18.49	9.4	38.2	—	—	—
Winding and twisting machine operators	10.19	4.1	37.4	10.19	4.1	37.4	—	—	—
Knitting, looping, taping, and weaving machine operators	9.93	7.5	40.0	9.93	7.5	40.0	—	—	—
Textile sewing machine operators	7.28	3.8	36.4	7.28	3.8	36.4	—	—	—
Laundering and dry cleaning machine operators	9.27	5.5	33.2	9.16	5.6	33.3	—	—	—
Packaging and filling machine operators	10.67	9.5	39.9	10.74	9.7	39.9	—	—	—
Extruding and forming machine operators	11.35	10.0	40.0	11.35	10.0	40.0	—	—	—
Mixing and blending machine operators	13.38	7.9	37.5	13.38	7.9	37.5	—	—	—
Separating, filtering, and clarifying machine operators	14.59	7.2	38.6	14.59	7.2	38.6	—	—	—
Folding machine operators	11.77	4.7	39.4	11.77	4.7	39.4	—	—	—
Furnace, kiln, and oven operators, except food	13.49	3.8	39.3	13.49	3.8	39.3	—	—	—
Crushing and grinding machine operators	14.97	3.6	39.3	14.46	2.3	39.0	—	—	—
Slicing and cutting machine operators	12.49	5.2	39.8	12.49	5.2	39.8	—	—	—
Photographic process machine operators	11.29	1.7	39.8	11.29	1.7	39.8	—	—	—
Miscellaneous machine operators, n.e.c.	10.16	16.6	39.8	10.16	16.6	39.8	—	—	—
Welders and cutters	16.80	7.0	40.0	16.81	7.0	40.0	—	—	—
Solders and braziers	9.97	10.6	40.0	9.97	10.6	40.0	—	—	—
Assemblers	10.80	9.7	39.2	10.94	10.0	39.2	—	—	—
Hand painting, coating, and decorating	11.40	8.6	40.0	11.40	8.6	40.0	—	—	—
Miscellaneous hand working, n.e.c.	12.29	10.8	40.0	12.29	10.8	40.0	—	—	—
Production inspectors, checkers and examiners	12.42	2.8	39.8	12.56	2.9	39.8	—	—	—
Production testers	13.44	4.6	40.0	13.44	4.6	40.0	—	—	—
Transportation and material moving	14.13	3.9	36.3	14.08	4.1	36.5	\$16.57	10.7	28.0
Truck drivers	14.37	5.9	37.9	14.29	6.0	37.9	—	—	—
Driver-sales workers	15.85	10.2	38.7	15.85	10.2	38.7	—	—	—
Bus drivers	14.43	4.1	30.5	14.41	4.4	31.7	—	—	—
Taxicab drivers and chauffeurs	10.02	11.2	31.1	10.02	11.2	31.1	—	—	—
Parking lot attendants	8.07	9.8	29.3	8.07	9.8	29.3	—	—	—
Operating engineers	19.42	5.5	40.0	19.42	5.5	40.0	—	—	—
Crane and tower operators	15.18	8.9	40.1	15.18	8.9	40.1	—	—	—
Excavating and loading machine operators	14.11	3.1	40.0	14.15	3.1	40.0	—	—	—
Grader, dozer, and scrapper operators	19.09	11.2	39.8	19.02	11.6	39.8	—	—	—
Industrial truck and tractor equipment operators	13.28	5.9	39.8	13.26	6.1	39.8	—	—	—
Miscellaneous material moving equipment operators, n.e.c.	15.33	3.3	37.6	15.31	3.4	37.6	—	—	—
Handlers, equipment cleaners, helpers, and laborers	10.88	4.6	36.0	10.89	4.8	36.0	10.56	5.6	36.1
Groundskeepers and gardeners, except farm	9.09	9.8	33.3	9.02	9.6	33.2	—	—	—
Supervisors, handlers, equipment cleaners, and laborers, n.e.c.	22.45	13.0	34.5	22.66	12.9	34.4	—	—	—
Helpers, mechanics and repairers	10.88	8.9	38.1	10.80	9.3	38.1	—	—	—
Helpers, construction trades	10.85	7.5	39.6	10.85	7.5	39.6	—	—	—
Construction laborers	11.62	17.5	39.5	11.65	18.5	39.7	—	—	—
Production helpers	9.94	5.4	39.7	9.95	5.4	39.8	—	—	—
Stock handlers and baggers	8.81	6.5	30.5	8.80	6.7	30.6	9.11	7.4	28.0
Machine feeders and offbearers	9.93	4.5	39.4	9.96	4.6	39.4	—	—	—
Freight, stock, and material handlers, n.e.c.	12.26	4.3	35.6	12.33	4.4	35.8	11.01	17.7	31.3
Garage and service station related	6.98	6.5	31.3	6.98	6.5	31.3	—	—	—

See footnotes at end of table.

TABLE 4-6. Middle Atlantic census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1999—Continued

Occupation ⁵	Total			Metropolitan			Nonmetropolitan		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)	
Blue collar—Continued									
Handlers, equipment cleaners, helpers, and laborers—Continued									
Vehicle washers and equipment cleaners	\$12.68	17.3	37.8	\$12.68	17.3	37.8	—	—	—
Hand packers and packagers	8.90	8.2	39.2	8.90	8.2	39.2	—	—	—
Laborers, except construction, n.e.c.	10.71	7.6	36.5	10.74	8.5	36.2	—	—	—
Service	11.07	2.8	31.2	11.04	2.9	31.1	\$11.89	5.8	34.8
Protective service	18.44	3.8	37.1	18.41	4.0	36.9	18.91	2.4	39.3
Supervisors, firefighters and fire prevention	27.90	6.8	44.6	27.90	6.8	44.6	—	—	—
Supervisors, police and detectives	29.56	4.7	39.9	30.14	4.6	39.9	—	—	—
Firefighting	22.07	3.9	43.2	22.07	3.9	43.2	—	—	—
Police and detectives, public service	23.84	3.2	39.6	23.84	3.2	39.5	—	—	—
Sheriffs, bailiffs, and other law enforcement officers	19.46	5.7	36.4	19.71	5.5	37.1	—	—	—
Correctional institution officers	19.39	2.5	39.9	19.49	3.2	39.8	—	—	—
Crossing guards	10.13	7.5	20.6	10.13	7.5	20.6	—	—	—
Guards and police, except public service	10.39	6.8	35.2	10.39	6.8	35.2	—	—	—
Protective service, n.e.c.	11.64	12.7	26.3	11.19	12.8	25.9	—	—	—
Food service	7.12	4.5	27.5	7.09	4.5	27.5	8.16	7.5	27.8
Waiters, waitresses, and bartenders	5.53	10.6	24.8	5.53	10.8	24.7	—	—	—
Waiters and waitresses	4.35	9.0	24.3	4.36	9.1	24.4	—	—	—
Waiters'/Waitresses' assistants	5.34	6.1	21.5	5.18	7.5	20.6	—	—	—
Other food service	7.91	4.8	29.1	7.89	4.8	29.2	8.90	6.5	26.8
Supervisors, food preparation and service	12.39	6.7	38.0	12.39	6.7	38.0	—	—	—
Cooks	8.47	10.0	31.8	8.41	10.2	31.8	—	—	—
Kitchen workers, food preparation	7.82	9.6	29.4	7.74	10.1	29.4	9.17	4.3	30.1
Food preparation, n.e.c.	7.17	4.4	27.9	7.16	4.4	28.0	7.79	6.2	21.1
Health service	9.74	2.2	33.2	9.75	2.3	33.0	9.59	7.7	35.4
Health aides, except nursing	10.84	4.2	31.4	10.60	4.5	31.0	12.81	9.4	35.2
Nursing aides, orderlies and attendants	9.49	2.4	33.5	9.56	2.6	33.4	8.35	7.6	35.5
Cleaning and building service	11.23	3.0	31.6	11.31	3.1	31.5	9.15	1.7	35.8
Supervisors, cleaning and building service workers	17.26	7.3	39.3	17.26	7.3	39.3	—	—	—
Maids and housemen	10.40	7.6	34.5	10.58	7.9	34.9	—	—	—
Janitors and cleaners	10.97	3.5	30.3	11.01	3.5	30.0	9.66	5.8	39.0

See footnotes at end of table.

TABLE 4-6. Middle Atlantic census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1999—Continued

Occupation ⁵	Total			Metropolitan			Nonmetropolitan		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)	
Service —Continued									
Personal service	\$10.54	7.5	30.0	\$10.58	7.7	30.0	\$9.18	2.2	33.6
Supervisors, personal service	15.36	7.0	37.6	15.30	7.0	37.5	—	—	—
Hairdressers and cosmetologists	10.95	8.9	30.0	10.95	8.9	30.0	—	—	—
Attendants, amusement, and recreation facilities	8.34	5.8	24.5	8.46	5.6	24.1	—	—	—
Public transportation attendants	21.67	22.7	23.9	21.74	22.8	23.9	—	—	—
Baggage porters and bellhops	7.51	26.4	39.2	7.51	26.4	39.2	—	—	—
Welfare service aides	8.65	11.2	37.5	8.62	11.5	37.5	—	—	—
Early childhood teachers' assistants	7.15	12.5	31.7	7.15	12.6	31.8	—	—	—
Child care workers, n.e.c.	9.05	2.2	30.1	8.99	2.2	29.9	—	—	—
Service, n.e.c.	12.10	15.8	27.3	12.10	15.8	27.3	—	—	—

¹ The Middle Atlantic census division consists of New York, New Jersey, and Pennsylvania. It also includes the New York, NY Consolidated Metropolitan Statistical Area, which is comprised of parts of New York, New Jersey, Connecticut, and Pennsylvania, and the Philadelphia, PA Consolidated Metropolitan Statistical Area, which is comprised of parts of Pennsylvania, New Jersey, Delaware, and Maryland.

² 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.

³ Metropolitan areas can be a Metropolitan Statistical Area (MSA) or Consolidated Metropolitan Statistical Area (CMSA) as defined by the Office of Management and Budget, 1994. Nonmetropolitan areas are counties that do not fit the definitions above. For more

information, see appendix E.

⁴ In this census division, collection was conducted between November 1998 and April 2000. The average reference period was August 1999. For the first time, estimates include workers in private establishments employing fewer than 50 workers.

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

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, and n.e.c. means "not elsewhere classified." Overall occupational groups may include data for categories not shown separately.

TABLE 4-7. East North Central census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1999

Occupation ⁵	Total			Metropolitan			Nonmetropolitan		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)	
All	\$15.55	1.8	35.6	\$15.75	1.9	35.4	\$13.83	3.7	36.7
All, excluding sales	15.69	1.6	35.8	15.90	1.7	35.7	13.98	3.8	37.1
White collar	18.66	2.1	35.6	18.75	2.2	35.6	17.57	4.5	35.7
White collar, excluding sales	19.67	1.7	36.3	19.78	1.8	36.3	18.47	4.6	36.7
Professional specialty and technical	24.05	1.8	35.5	24.13	2.0	35.5	23.26	5.7	35.8
Professional specialty	25.71	2.0	35.5	25.76	2.2	35.5	25.29	6.3	35.6
Engineers, architects, and surveyors	28.22	5.4	40.5	28.18	5.6	40.5	29.23	9.9	40.0
Architects	20.72	4.2	39.1	20.72	4.2	39.1	-	-	-
Metallurgical and materials engineers	30.20	7.9	40.6	30.20	7.9	40.6	-	-	-
Chemical engineers	-	-	-	31.39	7.2	40.0	-	-	-
Civil engineers	20.86	11.9	39.7	20.80	12.0	39.7	-	-	-
Electrical and electronic engineers	34.28	8.8	42.7	34.29	8.8	42.7	-	-	-
Industrial engineers	24.52	8.0	40.3	24.42	8.8	40.3	-	-	-
Mechanical engineers	25.57	7.1	40.2	25.60	7.2	40.2	-	-	-
Engineers, n.e.c.	30.25	1.8	40.0	30.28	1.8	40.0	-	-	-
Mathematical and computer scientists	27.00	4.5	39.6	26.84	4.6	39.6	-	-	-
Computer systems analysts and scientists	26.44	5.2	39.7	26.50	5.3	39.7	-	-	-
Operations and systems researchers and analysts	28.75	4.4	39.4	27.73	4.0	39.3	-	-	-
Actuaries	35.26	10.1	37.7	35.26	10.1	37.7	-	-	-
Natural scientists	23.05	6.6	39.3	23.43	7.4	39.2	-	-	-
Chemists, except biochemists	28.81	6.9	40.0	28.81	6.9	40.0	-	-	-
Physical scientists, n.e.c.	25.05	7.5	39.3	24.94	8.2	39.2	-	-	-
Biological and life scientists	23.85	5.1	39.1	23.85	5.1	39.1	-	-	-
Medical scientists	14.32	13.9	37.9	14.32	13.9	37.9	-	-	-
Health related	23.22	3.9	32.9	23.01	3.5	32.7	24.61	19.3	34.4
Physicians	44.09	11.9	39.8	38.33	11.3	38.7	-	-	-
Registered nurses	20.48	1.5	32.1	20.88	1.9	31.9	17.85	5.6	32.9
Pharmacists	28.93	3.5	32.2	30.21	2.3	30.6	-	-	-
Dietitians	17.23	2.6	29.9	17.23	2.6	29.9	-	-	-
Respiratory therapists	17.17	2.0	33.6	17.17	2.0	33.6	-	-	-
Occupational therapists	23.15	6.7	26.7	23.15	6.7	26.7	-	-	-
Physical therapists	24.82	3.4	36.8	25.69	1.8	36.3	-	-	-
Speech therapists	25.65	8.3	32.8	26.37	9.8	35.5	-	-	-
Therapists, n.e.c.	17.11	6.1	34.5	17.36	7.3	34.9	-	-	-
Physicians' assistants	28.15	13.4	36.6	28.15	13.4	36.6	-	-	-
Teachers, college and university	37.04	4.1	34.7	36.81	3.9	35.0	40.16	25.2	30.7
Biological science teachers	32.09	6.8	33.8	32.09	6.8	33.8	-	-	-
Chemistry teachers	35.67	6.4	33.7	35.67	6.4	33.7	-	-	-
History teachers	29.33	16.5	44.4	29.33	16.5	44.4	-	-	-
Social science teachers, n.e.c.	37.00	2.4	40.3	37.82	1.5	39.7	-	-	-
Engineering teachers	53.74	19.6	38.7	53.74	19.6	38.7	-	-	-
Mathematical science teachers	42.74	3.6	35.5	42.74	3.6	35.5	-	-	-
Computer science teachers	33.97	21.2	29.0	33.97	21.2	29.0	-	-	-
Medical science teachers	52.10	8.8	51.5	52.10	8.8	51.5	-	-	-
Health specialties teachers	33.13	10.6	38.3	33.13	10.6	38.3	-	-	-
Business, commerce, and marketing teachers	37.62	12.3	23.4	37.62	12.3	23.4	-	-	-
Art, drama, and music teachers	28.18	12.6	35.4	27.12	11.4	34.6	-	-	-
Physical education teachers	33.07	4.4	27.1	33.07	4.4	27.1	-	-	-
Education teachers	41.60	4.3	37.0	41.60	4.3	37.0	-	-	-
English teachers	38.68	19.8	37.6	38.68	19.8	37.6	-	-	-
Foreign language teachers	28.65	8.2	26.7	28.65	8.2	26.7	-	-	-
Theology teachers	28.41	14.0	39.7	32.79	15.1	39.5	-	-	-
Other post-secondary teachers	30.98	8.5	27.7	31.30	9.1	28.6	-	-	-
Teachers, except college and university	26.90	4.2	33.5	27.19	5.2	33.0	25.76	3.6	35.7
Prekindergarten and kindergarten	12.53	11.8	35.7	11.78	10.0	35.6	-	-	-
Elementary school teachers	29.81	2.7	35.0	31.10	2.9	34.3	24.44	4.2	38.0
Secondary school teachers	30.74	3.0	35.9	32.68	3.0	35.3	25.22	5.8	37.7
Teachers, special education	27.79	5.6	35.8	28.50	7.0	35.1	26.60	8.5	37.1
Teachers, n.e.c.	28.94	6.7	28.7	28.31	8.9	27.4	31.09	6.5	34.3
Substitute teachers	12.12	7.1	15.0	11.68	5.3	15.8	-	-	-
Vocational and educational counselors	22.40	9.1	35.9	21.70	9.1	35.9	-	-	-
Librarians, archivists, and curators	20.31	6.3	34.9	21.60	5.3	35.8	16.42	14.4	32.3
Librarians	20.19	3.9	35.2	20.43	4.7	36.5	-	-	-

See footnotes at end of table.

TABLE 4-7. East North Central census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1999—Continued

Occupation ⁵	Total			Metropolitan			Nonmetropolitan		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)	
White collar —Continued									
Professional specialty and technical —Continued									
Professional specialty—Continued									
Librarians, archivists, and curators—Continued									
Archivists and curators	\$20.75	24.6	33.6	\$27.94	16.7	32.6	—	—	—
Social scientists and urban planners	22.55	12.1	35.5	22.55	12.1	35.5	—	—	—
Economists	23.99	13.3	40.0	23.99	13.3	40.0	—	—	—
Psychologists	25.59	11.6	36.4	25.59	11.6	36.4	—	—	—
Social scientists, n.e.c.	13.41	28.0	36.1	13.41	28.0	36.1	—	—	—
Urban planners	19.60	6.7	19.1	19.60	6.7	19.1	—	—	—
Social, recreation, and religious workers	15.45	4.0	36.1	15.31	4.3	35.8	\$16.50	6.4	38.8
Social workers	15.73	4.3	36.5	15.57	4.6	36.2	17.05	6.4	38.9
Recreation workers	12.30	9.0	31.5	11.14	10.6	28.6	—	—	—
Clergy	13.96	15.7	37.9	13.96	15.7	37.9	—	—	—
Lawyers and judges	42.30	12.1	38.0	42.53	12.1	38.1	—	—	—
Lawyers	42.68	12.2	38.3	42.92	12.3	38.5	—	—	—
Writers, authors, entertainers, athletes, and professionals, n.e.c.	20.36	7.2	34.5	20.39	7.2	34.4	—	—	—
Technical writers	18.79	9.8	39.6	18.79	9.8	39.6	—	—	—
Designers	22.85	12.0	39.3	22.85	12.0	39.3	—	—	—
Actors and directors	22.73	15.4	38.3	22.73	15.4	38.3	—	—	—
Painters, sculptors, craft artists, and artist printmakers	15.81	14.3	39.4	15.81	14.3	39.4	—	—	—
Photographers	18.42	12.9	37.0	18.42	12.9	37.0	—	—	—
Editors and reporters	19.61	19.4	38.7	19.61	19.4	38.7	—	—	—
Public relations specialists	22.50	19.4	31.8	22.50	19.4	31.8	—	—	—
Athletes	31.14	10.4	35.1	32.50	7.1	34.7	—	—	—
Professional, n.e.c.	23.70	7.8	39.2	23.70	7.8	39.2	—	—	—
Technical	18.15	2.3	35.6	18.59	2.5	35.5	12.08	4.1	36.8
Clinical laboratory technologists and technicians	15.92	4.6	36.8	16.10	5.2	36.5	—	—	—
Health record technologists and technicians	13.91	5.8	34.3	13.87	6.0	34.2	—	—	—
Radiological technicians	17.30	2.6	32.3	17.54	2.4	32.0	—	—	—
Licensed practical nurses	13.55	2.4	34.4	13.98	2.2	34.2	11.96	7.3	35.5
Health technologists and technicians, n.e.c.	13.34	3.1	28.9	13.42	3.1	29.1	—	—	—
Electrical and electronic technicians	21.21	2.4	39.4	21.21	2.4	39.4	—	—	—
Industrial engineering technicians	17.38	6.2	40.6	17.38	6.2	40.6	—	—	—
Mechanical engineering technicians	24.18	7.0	40.3	24.29	7.4	40.3	—	—	—
Engineering technicians, n.e.c.	19.06	8.8	39.5	19.11	8.9	39.5	—	—	—
Drafters	18.46	3.2	39.4	18.46	3.2	39.4	—	—	—
Surveying and mapping technicians	15.16	5.2	39.7	15.16	5.2	39.7	—	—	—
Biological technicians	18.29	20.4	39.7	21.14	19.3	39.5	—	—	—
Chemical technicians	17.69	5.3	38.8	17.73	5.4	39.5	—	—	—
Science technicians, n.e.c.	18.02	5.0	36.4	18.56	4.3	36.1	—	—	—
Airplane pilots and navigators	70.74	37.1	18.7	70.74	37.1	18.7	—	—	—
Broadcast equipment operators	12.04	13.8	38.0	12.04	13.8	38.0	—	—	—
Computer programmers	21.66	6.8	39.6	21.74	6.9	39.6	—	—	—
Tool programmers, numerical control	16.26	4.1	40.0	16.26	4.1	40.0	—	—	—
Legal assistants	20.48	7.6	38.4	20.48	7.6	38.4	—	—	—
Technical and related, n.e.c.	17.17	7.7	39.2	18.38	6.3	39.1	—	—	—
Executive, administrative, and managerial	26.88	2.9	39.0	26.93	3.0	39.1	25.97	5.4	38.2
Executives, administrators, and managers	29.43	2.6	40.4	29.59	2.7	40.5	27.20	6.1	37.9
Legislators	19.83	23.6	4.9	24.11	9.2	6.0	—	—	—
Administrators and officials, public administration ...	27.84	4.4	39.3	27.80	4.3	39.4	27.99	12.8	39.2
Financial managers	29.82	4.3	40.1	29.46	4.7	40.1	—	—	—
Personnel and labor relations managers	34.52	9.5	42.6	35.22	10.0	43.3	—	—	—
Purchasing managers	27.04	8.6	41.1	27.04	8.6	41.1	—	—	—
Managers, marketing, advertising, and public relations	34.41	7.5	40.9	34.41	7.5	40.9	—	—	—
Administrators, education and related fields	34.56	4.6	39.7	35.27	4.9	39.5	30.75	6.0	40.7
Managers, medicine and health	30.23	13.1	39.7	31.06	15.4	39.7	25.90	6.3	40.0
Managers, food servicing and lodging establishments	16.22	10.8	43.5	16.63	12.2	42.8	—	—	—

See footnotes at end of table.

TABLE 4-7. East North Central census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1999–Continued

Occupation ⁵	Total			Metropolitan			Nonmetropolitan		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)	
White collar –Continued									
Executive, administrative, and managerial –Continued									
Executives, administrators, and managers –Continued									
Managers, properties and real estate	\$20.86	9.6	39.6	\$20.86	9.6	39.6	–	–	–
Managers, service organizations, n.e.c.	25.73	8.4	39.5	25.73	8.4	39.5	–	–	–
Managers and administrators, n.e.c.	29.49	3.8	41.0	29.60	3.8	41.0	\$20.60	15.5	41.1
Management related	22.38	6.6	36.9	22.44	6.7	36.9	19.65	9.2	39.8
Accountants and auditors	20.60	2.9	39.7	20.58	2.9	39.8	–	–	–
Underwriters	19.48	6.0	38.7	19.48	6.0	38.7	–	–	–
Other financial officers	23.70	4.6	39.9	23.72	4.8	39.9	–	–	–
Management analysts	24.95	4.7	39.3	24.95	4.7	39.3	–	–	–
Personnel, training, and labor relations specialists ..	20.45	9.8	26.1	20.52	9.6	26.0	–	–	–
Buyers, wholesale and retail trade, except farm products	18.65	8.7	40.8	18.65	8.7	40.8	–	–	–
Purchasing agents and buyers, n.e.c.	27.89	8.9	40.0	28.30	8.6	40.0	–	–	–
Construction inspectors	20.78	7.3	39.4	20.48	7.6	39.3	–	–	–
Inspectors and compliance officers, except construction	19.39	3.8	39.7	19.39	4.0	39.6	–	–	–
Management related, n.e.c.	24.38	13.9	38.8	24.46	14.0	38.8	–	–	–
Sales									
Supervisors, sales	14.03	8.2	32.8	14.23	8.4	33.0	9.17	8.7	28.2
Supervisors, sales	16.48	7.8	41.7	16.70	8.1	42.0	11.73	10.3	36.4
Insurance sales	20.21	6.6	38.3	20.21	6.6	38.3	–	–	–
Real estate sales	16.07	11.1	35.6	16.07	11.1	35.6	–	–	–
Securities and financial services sales	30.56	20.9	40.6	30.56	20.9	40.6	–	–	–
Advertising and related sales	18.67	9.7	39.8	20.03	7.9	39.7	–	–	–
Sales, other business services	24.36	9.3	39.9	24.57	9.3	39.9	–	–	–
Sales engineers	32.75	7.3	41.8	32.71	7.9	41.3	–	–	–
Sales representatives, mining, manufacturing, and wholesale	24.20	6.6	40.9	25.66	5.2	41.0	–	–	–
Sales workers, motor vehicles and boats	18.85	7.9	45.1	18.85	7.9	45.1	–	–	–
Sales workers, apparel	8.33	8.7	24.5	8.33	8.7	24.5	–	–	–
Sales workers, furniture and home furnishings	13.47	24.8	31.4	13.47	24.8	31.4	–	–	–
Sales workers, radio, tv, hi-fi, and appliances	14.00	13.7	34.9	14.00	13.7	34.9	–	–	–
Sales workers, hardware and building supplies	14.50	25.3	32.8	15.19	25.9	32.2	–	–	–
Sales workers, parts	12.18	7.3	40.6	12.18	7.3	40.6	–	–	–
Sales workers, other commodities	12.41	22.7	30.2	12.41	22.7	30.2	–	–	–
Sales counter clerks	8.61	8.7	33.6	8.61	9.3	33.7	–	–	–
Cashiers	7.06	2.5	27.3	7.10	2.7	27.7	6.62	4.0	22.7
Sales support, n.e.c.	10.39	9.3	32.0	10.39	9.3	32.0	–	–	–
Administrative support, including clerical									
Supervisors, general office	16.12	7.2	39.9	16.13	7.3	39.9	–	–	–
Supervisors, computer equipment operators	19.66	11.9	40.3	19.66	11.9	40.3	–	–	–
Supervisors, financial records processing	17.75	7.2	39.3	17.86	7.6	39.4	–	–	–
Supervisors, distribution, scheduling, and adjusting clerks	18.60	5.3	40.3	18.64	5.3	40.3	–	–	–
Computer operators	16.54	4.6	39.1	16.54	4.6	39.1	–	–	–
Secretaries	12.71	2.8	38.4	12.70	2.9	38.4	12.74	10.7	38.1
Stenographers	12.39	3.6	35.9	12.34	3.5	35.8	–	–	–
Typists	11.93	5.0	34.1	12.15	5.2	33.6	–	–	–
Interviewers	8.42	6.7	25.6	–	–	–	–	–	–
Hotel clerks	8.09	5.8	33.7	8.03	7.0	37.5	–	–	–
Transportation ticket and reservation agents	12.44	5.0	34.2	12.44	5.0	34.2	–	–	–
Receptionists	9.31	3.6	35.7	9.42	4.2	35.1	8.66	8.0	39.6
Information clerks, n.e.c.	12.77	5.6	35.9	12.77	5.6	35.9	–	–	–
Order clerks	12.04	3.1	34.6	12.04	3.1	34.6	–	–	–
Personnel clerks, except payroll and timekeeping ...	13.08	7.0	38.1	13.08	7.0	38.1	–	–	–
Library clerks	10.05	5.6	27.8	10.62	3.7	25.9	–	–	–
File clerks	9.40	4.1	32.0	9.46	4.2	31.8	–	–	–
Records clerks, n.e.c.	12.28	4.8	37.4	12.55	4.9	37.3	10.24	9.4	38.7
Bookkeepers, accounting and auditing clerks	11.86	2.8	34.5	11.86	2.9	34.1	11.90	9.4	38.0

See footnotes at end of table.

TABLE 4-7. East North Central census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1999—Continued

Occupation ⁵	Total			Metropolitan			Nonmetropolitan		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)	
White collar —Continued									
Administrative support, including clerical —Continued									
Payroll and timekeeping clerks	\$14.28	4.9	37.7	\$14.56	5.7	37.2	—	—	—
Billing clerks	11.25	4.5	31.9	11.30	4.7	31.9	—	—	—
Billing, posting, and calculating machine operators Mail preparing and paper handling machine operators	10.48	5.3	37.5	10.60	5.5	37.5	—	—	—
Office machine operators, n.e.c.	9.82	5.4	38.7	9.82	5.4	38.7	—	—	—
Telephone operators	8.91	6.4	35.1	8.91	6.4	35.1	—	—	—
Mail clerks, except postal service	11.98	8.2	34.3	12.00	8.3	34.2	—	—	—
Messengers	9.43	5.6	32.8	9.52	5.7	34.0	—	—	—
Dispatchers	7.97	9.0	22.2	7.97	9.0	22.2	—	—	—
Production coordinators	12.04	3.6	39.3	12.29	5.0	39.3	—	—	—
Traffic, shipping and receiving clerks	16.58	4.9	40.1	17.10	6.1	40.1	—	—	—
Stock and inventory clerks	10.77	8.0	39.6	10.65	8.3	39.5	—	—	—
Meter readers	11.86	4.3	33.9	11.86	4.3	33.9	—	—	—
Weighers, measurers, checkers, and samplers	13.70	2.6	37.8	13.81	2.6	37.6	—	—	—
Expeditors	18.24	8.1	39.8	18.24	8.1	39.8	—	—	—
Material recording, scheduling, and distribution clerks, n.e.c.	12.56	10.7	38.0	12.56	10.7	38.0	—	—	—
Insurance adjusters, examiners, and investigators ..	15.23	8.7	39.6	14.05	7.5	39.5	—	—	—
Investigators and adjusters, except insurance	16.57	13.5	36.4	16.57	13.5	36.4	—	—	—
Eligibility clerks, social welfare	12.51	5.6	38.9	12.48	5.6	38.9	—	—	—
Bill and account collectors	13.17	5.1	38.4	12.80	5.6	39.3	—	—	—
General office clerks	11.74	5.8	38.5	11.66	6.0	38.5	—	—	—
Bank tellers	10.79	2.3	34.5	10.85	2.5	34.4	\$9.88	2.4	35.8
Data entry keyers	8.92	2.2	32.8	8.96	2.3	32.7	—	—	—
Statistical clerks	11.67	6.3	36.7	11.73	6.5	36.8	—	—	—
Teachers' aides	11.70	5.2	37.4	11.70	5.2	37.4	—	—	—
Administrative support, n.e.c.	9.87	3.8	31.6	10.06	4.4	30.6	9.37	7.0	34.6
	11.88	3.1	35.9	12.16	3.2	35.5	10.17	5.6	38.6
Blue collar	14.15	2.1	38.0	14.39	2.2	37.9	12.69	5.0	39.1
Precision production, craft, and repair									
Supervisors, mechanics and repairers	18.16	2.9	39.8	18.48	2.8	39.7	15.25	9.1	40.0
Automobile mechanics	23.42	3.5	40.6	23.35	3.5	40.6	—	—	—
Bus, truck, and stationary engine mechanics	14.85	10.3	40.3	14.85	10.6	40.2	—	—	—
Automobile body and related repairers	17.13	2.9	40.1	17.07	2.9	40.1	—	—	—
Aircraft mechanics, except engine	21.08	13.0	42.4	21.08	13.0	42.4	—	—	—
Heavy equipment mechanics	21.68	1.8	40.0	21.68	1.8	40.0	—	—	—
Industrial machinery repairers	16.99	8.3	40.0	18.87	8.3	40.0	14.81	15.9	40.0
Machinery maintenance	18.40	3.1	39.9	18.93	3.1	39.9	—	—	—
Electronic repairers, communications and industrial equipment	14.70	3.8	39.5	15.39	6.3	39.5	—	—	—
Data processing equipment repairers	15.16	5.5	40.0	14.80	5.1	40.0	—	—	—
Telephone line installers and repairers	13.81	8.4	30.0	13.81	8.4	30.0	—	—	—
Heating, air conditioning, and refrigeration mechanics	20.55	7.9	40.0	—	—	—	—	—	—
Office machine repairers	15.12	8.9	40.0	14.98	9.0	40.0	—	—	—
Mechanical controls and valve repairers	15.31	8.8	39.4	15.54	8.9	39.4	—	—	—
Millwrights	15.95	7.8	40.0	15.95	7.8	40.0	—	—	—
Mechanics and repairers, n.e.c.	16.32	5.7	37.0	16.58	6.1	36.7	—	—	—
Supervisors, carpenters and related workers	19.04	8.1	40.3	21.16	3.7	40.5	—	—	—
Supervisors, electricians and power transmission installers	16.74	3.9	40.0	16.74	3.4	40.0	16.80	17.1	39.9
Supervisors, plumbers, pipefitters, and steamfitters ..	24.74	10.4	40.0	24.74	10.4	40.0	—	—	—
Supervisors, construction trades, n.e.c.	27.46	3.2	40.2	27.46	3.2	40.2	—	—	—
Brickmasons and stonemasons	31.06	3.7	40.0	—	—	—	—	—	—
Carpenters	22.44	8.9	40.0	22.68	9.1	40.0	—	—	—
Electricians	24.05	9.2	39.4	24.05	9.2	39.4	—	—	—
Electrician apprentices	19.58	9.6	40.4	20.00	10.1	40.5	—	—	—
Electrical power installers and repairers	21.17	5.0	40.1	22.77	3.1	40.1	—	—	—
	13.99	8.8	40.0	14.09	9.0	40.0	—	—	—
	23.60	3.0	40.0	23.60	3.0	40.0	—	—	—

See footnotes at end of table.

TABLE 4-7. East North Central census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1999–Continued

Occupation ⁵	Total			Metropolitan			Nonmetropolitan		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)	
Blue collar –Continued									
Precision production, craft, and repair –Continued									
Painters, construction and maintenance	\$18.34	5.8	40.0	\$18.67	6.0	40.0	–	–	–
Plumbers, pipefitters and steamfitters	22.15	4.0	39.9	22.35	4.1	39.9	–	–	–
Plumber, pipefitter, and steamfitter apprentices	12.55	11.3	40.0	12.55	11.3	40.0	–	–	–
Construction trades, n.e.c.	19.53	10.7	38.0	20.35	10.9	37.9	\$14.65	12.3	39.0
Supervisors, production	19.59	5.0	40.5	20.16	1.7	40.6	17.14	25.1	40.1
Tool and die makers	20.99	3.3	40.1	20.99	3.3	40.1	–	–	–
Tool and die maker apprentices	17.94	11.9	39.5	17.94	11.9	39.5	–	–	–
Precision assemblers, metal	18.06	6.1	40.0	18.06	6.1	40.0	–	–	–
Machinists	17.00	5.4	38.7	17.00	5.4	38.7	–	–	–
Precision grinders, filers, and tool sharpeners	16.64	10.9	40.0	16.64	10.9	40.0	–	–	–
Patternmakers and modelmakers, metal	20.29	10.7	40.0	20.29	10.7	40.0	–	–	–
Sheet metal workers	22.68	9.8	40.0	22.68	9.8	40.0	–	–	–
Dental laboratory and medical appliance technicians	14.20	1.3	39.0	14.20	1.3	39.0	–	–	–
Bookbinders	12.72	8.0	39.6	13.44	15.6	39.2	–	–	–
Electrical and electronic equipment assemblers	9.85	12.3	39.8	11.60	8.4	39.6	–	–	–
Miscellaneous precision workers, n.e.c.	15.81	4.1	40.0	16.16	4.2	40.0	–	–	–
Butchers and meat cutters	10.37	17.3	39.2	10.19	17.7	39.2	–	–	–
Bakers	9.33	6.8	30.8	9.33	6.8	30.8	–	–	–
Food batchmakers	14.37	5.4	40.0	14.37	5.4	40.0	–	–	–
Inspectors, testers, and graders	17.52	5.7	40.1	17.52	5.7	40.1	–	–	–
Precision inspectors, testers, and related workers, n.e.c.	18.39	17.7	40.0	18.39	17.7	40.0	–	–	–
Water and sewer treatment plant operators	16.27	3.7	40.0	16.27	3.9	40.0	–	–	–
Stationary engineers	22.27	5.1	39.5	21.29	6.7	39.7	–	–	–
Miscellaneous plant and system operators, n.e.c.	18.29	2.6	40.0	17.98	5.2	40.0	–	–	–
Machine operators, assemblers, and inspectors	12.86	2.6	39.7	13.07	2.6	39.6	12.03	6.3	39.9
Lathe and turning machine set-up operators	15.35	4.2	40.0	15.35	4.2	40.0	–	–	–
Lathe and turning machine operators	13.34	8.3	40.0	14.43	10.2	40.0	–	–	–
Punching and stamping press operators	13.44	4.7	39.9	13.63	5.1	39.9	–	–	–
Rolling machine operators	14.28	8.4	41.4	14.28	8.4	41.4	–	–	–
Drilling and boring machine operators	13.62	5.2	40.0	13.62	5.2	40.0	–	–	–
Grinding, abrading, buffing, and polishing machine operators	12.96	4.1	39.8	13.13	2.3	39.6	–	–	–
Forging machine operators	13.63	7.5	40.0	13.63	7.5	40.0	–	–	–
Numerical control machine operators	13.95	5.6	40.0	14.95	4.9	40.0	–	–	–
Fabricating machine operators, n.e.c.	14.61	4.5	39.9	15.24	4.1	39.9	–	–	–
Molding and casting machine operators	10.40	3.5	39.8	10.18	3.3	39.8	–	–	–
Metal plating machine operators	13.37	7.2	38.7	13.37	7.2	38.7	–	–	–
Heat treating equipment operators	–	–	–	13.82	13.3	40.0	–	–	–
Shaping and jointing machine operators	11.76	6.5	40.0	11.76	6.5	40.0	–	–	–
Printing press operators	13.32	4.1	39.7	13.81	4.5	39.6	–	–	–
Photoengravers and lithographers	17.18	5.1	39.1	17.57	5.5	38.9	–	–	–
Typesetters and compositors	12.54	11.1	40.1	12.54	11.1	40.1	–	–	–
Textile sewing machine operators	9.51	13.8	39.6	9.51	13.8	39.6	–	–	–
Laundering and dry cleaning machine operators	7.54	3.4	36.7	7.43	3.2	36.7	–	–	–
Packaging and filling machine operators	13.11	6.0	39.4	12.64	5.5	39.3	–	–	–
Extruding and forming machine operators	12.07	8.4	40.0	13.77	10.0	39.9	–	–	–
Mixing and blending machine operators	14.12	8.0	40.7	14.14	10.1	40.8	–	–	–
Separating, filtering, and clarifying machine operators	15.61	5.7	40.2	15.61	5.7	40.2	–	–	–
Compressing and compacting machine operators ..	11.12	5.8	40.0	11.12	5.8	40.0	–	–	–
Painting and paint spraying machine operators	11.90	6.7	39.8	11.90	6.7	39.8	–	–	–
Washing, cleaning, and pickling machine operators	14.51	10.8	40.0	14.51	10.8	40.0	–	–	–
Furnace, kiln, and oven operators, except food	14.36	12.1	40.0	17.02	6.3	40.0	–	–	–
Crushing and grinding machine operators	13.40	10.9	40.0	13.40	10.9	40.0	–	–	–
Slicing and cutting machine operators	13.70	5.0	40.0	12.63	3.4	40.0	–	–	–
Photographic process machine operators	10.72	13.3	35.0	11.67	10.9	35.0	–	–	–
Miscellaneous machine operators, n.e.c.	12.59	4.8	39.8	13.36	4.1	39.7	11.43	10.1	40.0
Welders and cutters	15.03	3.2	40.0	15.18	4.1	39.9	–	–	–

See footnotes at end of table.

TABLE 4-7. East North Central census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1999—Continued

Occupation ⁵	Total			Metropolitan			Nonmetropolitan		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)	
Blue collar—Continued									
Machine operators, assemblers, and inspectors—Continued									
Solders and braziers	\$13.21	5.7	40.0	\$13.21	5.7	40.0	—	—	—
Assemblers	13.26	5.3	39.2	13.28	5.6	39.2	—	—	—
Hand molding, casting, and forming	11.57	1.6	40.0	—	—	—	—	—	—
Hand painting, coating, and decorating	10.80	11.5	40.0	10.80	11.5	40.0	—	—	—
Hand engraving and printing	9.15	5.2	40.0	9.15	5.2	40.0	—	—	—
Miscellaneous hand working, n.e.c.	12.30	7.2	39.8	12.90	7.9	39.8	—	—	—
Production inspectors, checkers and examiners	12.01	6.0	40.0	12.63	4.0	40.0	—	—	—
Production testers	14.38	8.2	40.0	14.38	8.2	40.0	—	—	—
Graders and sorters, except agricultural	9.92	6.2	40.0	9.92	6.2	40.0	—	—	—
Transportation and material moving	13.67	4.8	36.4	13.73	5.4	36.2	\$13.19	4.9	37.4
Truck drivers	14.64	4.0	39.9	14.70	4.3	39.6	13.90	4.6	44.5
Driver-sales workers	10.86	16.6	28.9	10.93	16.3	29.0	—	—	—
Bus drivers	12.12	9.1	28.8	12.09	10.0	29.9	12.36	7.0	21.5
Taxicab drivers and chauffeurs	8.50	13.4	29.8	8.50	13.4	29.8	—	—	—
Parking lot attendants	7.68	10.2	33.9	7.68	10.2	33.9	—	—	—
Motor transportation, n.e.c.	7.36	9.5	20.4	7.36	9.5	20.4	—	—	—
Supervisors, material moving equipment	17.51	5.8	40.3	17.51	5.8	40.3	—	—	—
Operating engineers	21.82	2.1	40.0	21.75	2.2	40.0	—	—	—
Crane and tower operators	14.54	4.4	40.4	14.72	4.2	40.4	—	—	—
Excavating and loading machine operators	16.13	3.9	40.0	16.13	3.9	40.0	—	—	—
Grader, dozer, and scrapper operators	16.77	9.7	40.2	17.59	10.5	40.3	—	—	—
Industrial truck and tractor equipment operators	13.55	4.5	39.7	14.03	4.4	39.6	12.37	11.2	40.0
Miscellaneous material moving equipment operators, n.e.c.	13.79	6.6	38.4	13.82	8.2	38.0	—	—	—
Handlers, equipment cleaners, helpers, and laborers ...	10.85	2.7	34.0	10.81	3.0	33.8	11.21	6.5	36.2
Supervisors, agriculture-related workers	20.41	11.7	40.0	20.41	11.7	40.0	—	—	—
Groundskeepers and gardeners, except farm	11.80	4.8	37.2	11.84	4.8	37.3	—	—	—
Supervisors, handlers, equipment cleaners, and laborers, n.e.c.	13.91	7.7	39.9	13.49	9.2	39.8	—	—	—
Helpers, mechanics and repairers	13.94	3.0	39.6	13.60	7.6	39.1	—	—	—
Construction laborers	16.55	10.6	38.5	16.58	10.7	38.5	—	—	—
Production helpers	10.06	5.6	39.6	9.52	4.9	39.7	11.72	14.6	39.3
Stock handlers and baggers	9.15	4.4	28.9	9.20	4.1	28.6	8.89	10.8	30.7
Machine feeders and offbearers	9.81	4.0	39.5	9.86	4.0	39.5	—	—	—
Freight, stock, and material handlers, n.e.c.	13.49	7.1	31.6	13.67	7.0	31.6	—	—	—
Garage and service station related	8.38	17.5	34.1	8.38	17.5	34.1	—	—	—
Vehicle washers and equipment cleaners	9.26	9.4	34.4	9.26	9.4	34.4	—	—	—
Hand packers and packagers	9.21	4.7	38.9	9.21	4.7	38.8	—	—	—
Laborers, except construction, n.e.c.	10.46	4.7	34.2	10.22	4.9	33.1	11.47	9.2	39.8
Service	9.23	2.1	30.4	9.21	2.4	30.2	9.46	1.5	32.4
Protective service	15.37	3.6	36.5	15.39	4.0	36.4	15.27	6.7	37.6
Supervisors, firefighters and fire prevention	19.23	4.1	50.1	19.23	4.1	50.1	—	—	—
Supervisors, police and detectives	25.23	8.4	40.1	27.05	5.3	40.1	—	—	—
Supervisors, guards	14.53	15.4	37.0	12.87	13.5	37.0	—	—	—
Firefighting	17.65	4.1	45.2	17.65	4.1	45.2	—	—	—
Police and detectives, public service	20.40	2.1	38.8	20.82	1.8	38.9	15.97	4.2	37.7
Sheriffs, bailiffs, and other law enforcement officers	15.45	4.2	39.7	16.41	3.7	39.8	14.40	6.5	39.4
Correctional institution officers	15.19	4.0	38.6	15.14	3.2	39.9	15.28	10.0	36.0
Crossing guards	7.81	11.3	14.1	7.81	11.3	14.1	—	—	—
Guards and police, except public service	8.63	5.1	31.9	8.50	5.1	31.7	—	—	—
Protective service, n.e.c.	10.30	14.5	26.6	10.44	14.7	26.7	—	—	—
Food service	6.55	2.6	27.0	6.49	2.8	26.8	7.33	7.3	30.6
Waiters, waitresses, and bartenders	4.42	6.2	25.0	4.39	7.4	25.1	5.12	29.2	24.2
Bartenders	6.39	3.3	23.7	6.33	4.1	23.9	—	—	—
Waiters and waitresses	3.21	3.9	25.9	3.19	4.0	25.8	3.66	20.6	28.9
Waiters'/Waitresses' assistants	5.78	7.2	24.5	5.78	7.2	24.6	—	—	—

See footnotes at end of table.

TABLE 4-7. East North Central census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1999–Continued

Occupation ⁵	Total			Metropolitan			Nonmetropolitan		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)	
Service –Continued									
Food service –Continued									
Other food service	\$7.82	2.4	28.4	\$7.81	3.0	28.1	\$7.91	7.4	32.8
Supervisors, food preparation and service	9.77	6.8	36.6	9.73	7.5	36.5	–	–	–
Cooks	8.66	2.2	32.4	8.62	2.4	32.0	8.90	4.6	36.0
Kitchen workers, food preparation	7.00	3.4	27.1	6.98	4.0	26.5	7.24	2.9	35.3
Food preparation, n.e.c.	6.90	2.8	25.2	6.90	2.9	25.3	–	–	–
Health service	9.15	1.3	34.3	9.23	1.6	35.0	8.91	2.7	32.3
Dental assistants	9.29	6.5	38.2	9.29	6.5	38.2	–	–	–
Health aides, except nursing	9.95	3.2	33.4	10.21	2.6	35.4	9.22	9.8	28.7
Nursing aides, orderlies and attendants	8.88	1.9	34.0	8.90	1.8	34.2	8.82	4.9	33.5
Cleaning and building service	9.11	4.5	31.8	9.13	4.9	31.7	8.92	7.8	32.1
Maids and housemen	7.07	2.2	30.7	7.06	2.6	32.4	7.07	3.8	25.5
Janitors and cleaners	9.20	5.1	30.8	9.19	5.6	30.6	9.27	6.6	33.9
Personal service	8.92	5.1	26.9	9.00	5.6	26.6	8.09	4.6	30.7
Attendants, amusement, and recreation facilities	6.00	4.3	20.3	6.01	4.6	20.0	–	–	–
Ushers	5.99	1.6	13.9	5.99	1.6	13.9	–	–	–
Public transportation attendants	32.18	8.6	18.7	32.18	8.6	18.7	–	–	–
Baggage porters and bellhops	6.01	8.6	34.9	6.01	8.6	34.9	–	–	–
Welfare service aides	7.33	4.8	28.8	7.42	5.4	29.0	6.63	3.9	27.5
Early childhood teachers' assistants	7.11	7.3	27.0	6.94	7.1	26.4	8.90	1.3	34.8
Child care workers, n.e.c.	9.25	4.7	24.7	9.47	5.3	23.9	8.40	7.6	28.3
Service, n.e.c.	9.44	5.7	25.1	9.55	6.2	24.5	8.45	6.3	32.9

¹ The East North Central census division consists of Ohio, Indiana, Illinois, Michigan, and Wisconsin. It also includes the Cincinnati, OH Consolidated Metropolitan Statistical Area, which is comprised of parts of Ohio, Kentucky, and Indiana.

² 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.

³ Metropolitan areas can be a Metropolitan Statistical Area (MSA) or Consolidated Metropolitan Statistical Area (CMSA) as defined by the Office of Management and Budget, 1994. Nonmetropolitan areas are counties that do not fit the definitions above. For more information, see appendix E.

⁴ In this census division, collection was conducted between November 1998 and April 2000. The average reference period was October 1999. For the first time, estimates include workers in private establishments employing fewer than 50 workers.

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

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, and n.e.c. means "not elsewhere classified." Overall occupational groups may include data for categories not shown separately.

TABLE 4-8. West North Central census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1999

Occupation ⁵	Total			Metropolitan			Nonmetropolitan		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)	
All	\$14.37	2.8	35.3	\$14.73	3.0	35.1	\$12.70	5.8	36.5
All, excluding sales	14.61	3.0	36.0	15.09	3.3	35.9	12.55	4.4	36.6
White collar	17.07	3.6	35.5	17.26	4.1	35.4	15.77	4.4	36.4
White collar, excluding sales	18.38	4.2	37.2	18.84	4.7	37.3	15.74	4.7	36.6
Professional specialty and technical	21.51	1.9	35.9	21.93	2.1	35.7	19.55	4.4	36.6
Professional specialty	23.24	1.7	36.6	23.51	1.8	36.6	21.97	4.9	36.7
Engineers, architects, and surveyors	28.03	2.3	41.2	28.30	2.2	41.2	-	-	-
Civil engineers	29.67	3.6	39.4	29.87	3.6	39.3	-	-	-
Electrical and electronic engineers	27.46	2.5	40.9	27.46	2.5	40.9	-	-	-
Industrial engineers	24.72	3.3	41.1	24.72	3.3	41.1	-	-	-
Mechanical engineers	27.15	4.1	40.2	27.15	4.1	40.2	-	-	-
Engineers, n.e.c.	28.50	3.5	42.4	28.81	3.5	42.5	-	-	-
Mathematical and computer scientists	24.07	5.5	40.0	24.08	5.5	40.0	-	-	-
Computer systems analysts and scientists	24.19	6.1	40.0	24.20	6.1	40.0	-	-	-
Operations and systems researchers and analysts	23.12	6.6	40.0	23.12	6.6	40.0	-	-	-
Natural scientists	20.79	8.8	40.3	20.79	8.8	40.3	-	-	-
Chemists, except biochemists	25.08	11.7	41.8	25.08	11.7	41.8	-	-	-
Physical scientists, n.e.c.	27.78	7.6	39.7	27.78	7.6	39.7	-	-	-
Biological and life scientists	19.63	12.6	40.0	19.63	12.6	40.0	-	-	-
Health related	22.19	3.2	34.0	23.08	3.2	33.7	19.40	9.3	34.9
Physicians	58.95	9.8	40.6	54.32	10.2	40.7	-	-	-
Registered nurses	18.72	1.8	33.5	19.78	1.9	32.8	15.88	3.2	35.4
Pharmacists	27.30	4.6	31.7	28.60	3.2	37.9	-	-	-
Dietitians	13.13	9.1	32.6	13.13	9.1	32.6	-	-	-
Respiratory therapists	17.42	10.1	39.4	17.42	10.1	39.4	-	-	-
Occupational therapists	23.56	3.9	28.2	23.56	3.9	28.2	-	-	-
Physical therapists	22.83	5.3	35.6	23.09	9.3	32.9	-	-	-
Speech therapists	25.72	4.5	30.6	25.72	4.5	30.6	-	-	-
Therapists, n.e.c.	15.54	7.0	40.0	15.54	7.0	40.0	-	-	-
Physicians' assistants	26.79	8.6	40.0	-	-	-	-	-	-
Teachers, college and university	29.53	5.2	35.5	29.39	7.3	34.6	29.84	2.8	37.6
Social science teachers, n.e.c.	32.48	3.3	39.3	34.06	1.9	38.7	-	-	-
Mathematical science teachers	21.58	25.7	40.6	21.77	26.3	40.7	-	-	-
Medical science teachers	34.93	18.1	39.9	34.93	18.1	39.9	-	-	-
Health specialties teachers	23.86	7.3	38.8	23.02	8.9	39.8	-	-	-
Business, commerce, and marketing teachers	35.94	6.3	35.0	38.64	3.0	32.1	-	-	-
Art, drama, and music teachers	33.11	7.6	37.8	33.11	7.6	37.8	-	-	-
Education teachers	23.53	6.0	27.8	-	-	-	-	-	-
English teachers	25.42	8.1	31.4	-	-	-	-	-	-
Theology teachers	-	-	-	22.52	11.1	34.7	-	-	-
Trade and industrial teachers	29.60	2.2	33.8	31.74	7.0	17.1	-	-	-
Other post-secondary teachers	25.11	12.5	29.3	20.97	10.6	27.0	-	-	-
Teachers, except college and university	24.38	2.3	34.3	24.95	2.6	33.4	23.13	4.1	36.6
Prekindergarten and kindergarten	15.17	20.6	28.0	15.11	21.0	27.9	-	-	-
Elementary school teachers	26.57	3.2	36.5	27.81	3.1	35.9	23.86	4.6	37.6
Secondary school teachers	26.10	3.5	35.6	28.13	2.7	33.9	23.72	5.7	37.8
Teachers, special education	22.77	6.7	37.4	22.63	9.5	37.4	-	-	-
Teachers, n.e.c.	20.73	6.6	30.1	21.31	7.2	32.2	-	-	-
Substitute teachers	9.61	5.1	11.3	9.61	5.1	11.3	-	-	-
Vocational and educational counselors	20.64	6.9	35.7	22.48	5.8	33.7	-	-	-
Librarians, archivists, and curators	20.61	16.3	38.7	20.44	18.6	38.7	-	-	-
Librarians	20.61	16.5	38.7	20.45	18.9	38.7	-	-	-
Social scientists and urban planners	21.34	6.6	39.6	20.74	6.9	39.5	-	-	-
Economists	19.09	10.4	40.0	19.09	10.4	40.0	-	-	-
Psychologists	24.25	4.4	39.2	24.23	4.3	38.8	-	-	-
Social, recreation, and religious workers	14.22	4.7	38.9	14.08	5.0	38.9	16.21	5.4	40.0
Social workers	14.16	4.9	39.0	14.01	5.2	38.9	16.21	5.4	40.0
Recreation workers	13.63	7.6	37.4	13.63	7.6	37.4	-	-	-
Lawyers and judges	29.03	6.8	42.3	29.17	6.3	42.8	-	-	-
Lawyers	28.30	5.7	42.4	29.17	6.3	42.8	-	-	-
Writers, authors, entertainers, athletes, and professionals, n.e.c.	20.17	8.0	35.7	21.28	8.3	35.1	12.51	12.3	40.0
Designers	16.39	5.4	40.0	16.39	5.4	40.0	-	-	-

See footnotes at end of table.

TABLE 4-8. West North Central census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1999—Continued

Occupation ⁵	Total			Metropolitan			Nonmetropolitan		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)	
White collar —Continued									
Professional specialty and technical —Continued									
Professional specialty—Continued									
Writers, authors, entertainers, athletes, and professionals, n.e.c.—Continued									
Painters, sculptors, craft artists, and artist printmakers									
	\$19.32	15.3	40.9	\$21.23	12.8	41.3	—	—	—
	19.48	9.0	38.6	19.48	9.0	38.6	—	—	—
	15.25	17.9	38.7	20.07	16.9	37.4	—	—	—
	26.80	10.9	40.2	26.93	11.0	40.2	—	—	—
Technical	16.99	6.6	34.1	17.75	7.5	33.7	\$13.66	7.4	36.5
Clinical laboratory technologists and technicians	15.24	6.1	38.3	15.68	6.7	37.9	—	—	—
Radiological technicians	16.63	4.1	34.2	16.81	6.1	31.9	—	—	—
Licensed practical nurses	12.07	4.0	34.5	12.32	4.4	34.2	11.30	4.3	35.4
Health technologists and technicians, n.e.c.	11.77	5.3	34.6	12.20	5.3	35.2	—	—	—
Electrical and electronic technicians	18.27	6.0	40.0	16.90	3.7	39.9	—	—	—
Engineering technicians, n.e.c.	18.60	3.1	39.8	18.94	3.5	39.7	—	—	—
Drafters	15.50	3.7	39.5	15.76	4.4	39.3	—	—	—
Science technicians, n.e.c.	14.78	9.1	39.1	14.78	9.1	39.1	—	—	—
Airplane pilots and navigators	97.62	20.6	19.9	97.62	20.6	19.9	—	—	—
Computer programmers	21.30	4.7	40.1	21.30	4.7	40.1	—	—	—
Legal assistants	19.70	10.2	38.2	19.70	10.2	38.2	—	—	—
Technical and related, n.e.c.	17.73	8.1	34.7	17.73	8.1	34.7	—	—	—
Executive, administrative, and managerial									
Executives, administrators, and managers	26.01	10.7	41.4	26.34	11.5	41.5	22.74	15.9	40.1
Legislators	29.11	13.6	42.6	29.29	14.6	42.8	27.19	14.4	40.4
Administrators and officials, public administration ...	10.20	19.8	20.1	—	—	—	—	—	—
Financial managers	24.47	3.9	40.7	25.86	3.1	40.6	20.73	13.4	41.0
Purchasing managers	44.05	26.3	43.6	45.76	25.6	43.8	—	—	—
Managers, marketing, advertising, and public relations	25.39	7.2	44.1	25.39	7.2	44.1	—	—	—
Administrators, education and related fields	37.91	8.5	41.0	39.62	8.2	41.2	—	—	—
Managers, medicine and health	31.45	6.2	40.3	33.05	5.5	40.3	25.74	13.6	40.5
Managers, food servicing and lodging establishments	27.85	6.0	40.2	28.44	6.4	40.3	—	—	—
Managers, properties and real estate	16.09	10.8	41.2	—	—	—	—	—	—
Managers, service organizations, n.e.c.	15.55	9.0	39.9	15.55	9.0	39.9	—	—	—
Managers and administrators, n.e.c.	15.39	13.6	40.3	15.07	13.6	40.3	—	—	—
Management related	26.76	8.1	43.5	25.80	7.5	43.5	38.01	35.0	42.5
Accountants and auditors	19.18	4.5	39.0	19.68	4.3	38.9	15.06	8.3	39.6
Underwriters	22.70	9.4	39.5	22.89	9.5	39.5	—	—	—
Other financial officers	18.49	10.7	39.7	19.81	10.1	39.6	—	—	—
Management analysts	20.26	7.2	40.8	20.24	7.3	40.9	—	—	—
Personnel, training, and labor relations specialists ..	24.12	9.8	40.1	25.20	9.2	40.1	—	—	—
Buyers, wholesale and retail trade, except farm products	16.82	9.4	40.1	19.16	7.3	40.8	—	—	—
Purchasing agents and buyers, n.e.c.	25.85	7.7	28.8	25.54	9.6	27.0	—	—	—
Construction inspectors	20.71	4.6	40.8	21.56	2.9	40.9	—	—	—
Inspectors and compliance officers, except construction	19.75	10.6	39.8	19.75	10.6	39.8	—	—	—
Management related, n.e.c.	18.63	7.9	39.9	18.63	7.9	39.9	—	—	—
	16.24	6.8	37.7	16.23	7.3	37.5	—	—	—
Sales									
Supervisors, sales	12.60	6.0	30.8	12.36	5.8	30.5	16.01	27.3	35.2
Insurance sales	15.87	9.1	41.3	14.89	6.9	41.3	—	—	—
Securities and financial services sales	19.96	15.2	33.4	19.93	16.1	33.1	—	—	—
Advertising and related sales	43.08	18.8	41.6	43.77	18.6	41.7	—	—	—
Sales, other business services	16.23	11.4	37.8	16.23	11.4	37.8	—	—	—
Sales engineers	17.50	13.8	33.2	17.50	13.8	33.2	—	—	—
Sales representatives, mining, manufacturing, and wholesale	22.44	8.1	41.6	22.44	8.1	41.6	—	—	—
Sales workers, motor vehicles and boats	25.65	16.8	39.9	25.65	16.8	39.9	—	—	—
	20.84	13.6	45.7	20.38	19.7	45.3	—	—	—

See footnotes at end of table.

TABLE 4-8. West North Central census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1999—Continued

Occupation ⁵	Total			Metropolitan			Nonmetropolitan		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)	
White collar —Continued									
Sales —Continued									
Sales workers, apparel	\$8.37	5.4	30.5	\$8.37	5.4	30.5	—	—	—
Sales workers, hardware and building supplies	11.70	8.3	39.1	11.70	8.3	39.1	—	—	—
Sales workers, parts	15.16	29.4	38.2	10.69	11.2	37.5	—	—	—
Sales workers, other commodities	9.59	9.9	28.3	9.49	10.8	27.4	—	—	—
Sales counter clerks	6.74	3.5	28.6	6.71	3.8	28.6	—	—	—
Cashiers	7.03	2.1	24.2	6.98	2.5	23.8	\$7.43	5.2	29.0
Demonstrators, promoters, and models, sales	8.63	5.9	21.4	8.88	6.0	22.4	—	—	—
Sales support, n.e.c.	9.86	7.0	39.6	—	—	—	—	—	—
Administrative support, including clerical									
Supervisors, general office	14.52	4.1	40.2	14.64	4.5	40.2	—	—	—
Supervisors, financial records processing	14.81	12.0	41.3	14.91	12.3	41.3	—	—	—
Supervisors, distribution, scheduling, and adjusting clerks	15.37	9.0	39.8	15.37	9.0	39.8	—	—	—
Computer operators	13.63	5.3	38.9	13.44	6.0	38.6	—	—	—
Peripheral equipment operators	9.81	1.0	39.9	9.88	.8	39.9	—	—	—
Secretaries	11.25	4.9	37.5	11.43	5.4	37.4	9.81	4.7	38.0
Stenographers	11.59	4.2	39.5	11.90	6.2	39.4	—	—	—
Typists	10.38	4.0	38.7	10.30	4.6	38.4	—	—	—
Interviewers	9.16	5.5	32.5	10.88	5.5	30.1	—	—	—
Transportation ticket and reservation agents	—	—	—	13.13	7.3	33.0	—	—	—
Receptionists	8.77	4.1	33.6	8.95	5.0	33.4	8.07	4.8	34.5
Information clerks, n.e.c.	11.20	7.4	35.4	11.59	6.1	33.2	—	—	—
Correspondence clerks	14.71	7.0	40.0	14.71	7.0	40.0	—	—	—
Order clerks	12.16	7.7	37.0	12.48	8.5	36.6	—	—	—
Personnel clerks, except payroll and timekeeping ...	11.62	7.9	38.9	11.62	7.9	38.9	—	—	—
Library clerks	9.50	4.9	26.5	9.50	4.4	27.5	—	—	—
File clerks	8.80	3.4	36.0	8.80	3.5	36.0	—	—	—
Records clerks, n.e.c.	9.61	8.4	38.6	11.04	5.4	38.4	7.36	13.3	38.9
Bookkeepers, accounting and auditing clerks	10.86	3.2	37.7	10.91	4.2	38.3	10.56	5.0	34.6
Payroll and timekeeping clerks	13.72	6.6	21.0	13.17	7.4	19.8	—	—	—
Telephone operators	12.39	8.4	31.0	12.39	8.4	31.0	—	—	—
Mail clerks, except postal service	7.42	9.2	32.7	7.73	5.8	30.6	—	—	—
Messengers	7.99	2.9	28.0	8.10	3.6	26.3	—	—	—
Dispatchers	15.19	16.9	38.8	17.09	19.2	38.3	—	—	—
Production coordinators	15.13	3.5	39.5	14.65	5.7	39.1	—	—	—
Traffic, shipping and receiving clerks	11.08	8.5	39.1	11.19	9.1	39.1	—	—	—
Stock and inventory clerks	10.37	4.3	35.9	10.82	6.3	34.9	9.18	3.4	38.8
Weighers, measurers, checkers, and samplers	13.70	26.9	20.0	—	—	—	—	—	—
Expeditors	13.74	14.1	31.3	13.74	14.1	31.3	—	—	—
Material recording, scheduling, and distribution clerks, n.e.c.	8.90	8.1	31.0	8.90	8.1	31.0	—	—	—
Insurance adjusters, examiners, and investigators ..	14.02	7.4	38.9	13.99	7.5	38.9	—	—	—
Investigators and adjusters, except insurance	11.01	6.3	39.6	11.08	6.6	39.6	—	—	—
Eligibility clerks, social welfare	12.92	4.1	39.3	12.55	3.4	39.0	—	—	—
Bill and account collectors	11.69	5.1	39.3	11.64	5.3	39.2	—	—	—
General office clerks	10.57	4.0	36.5	10.90	4.7	37.5	8.88	3.0	31.9
Bank tellers	7.75	4.1	31.5	7.77	4.2	31.7	—	—	—
Data entry keyers	9.72	3.4	38.8	9.74	3.4	38.9	—	—	—
Teachers' aides	8.91	4.7	30.7	10.03	4.8	33.2	7.15	3.1	27.4
Administrative support, n.e.c.	11.21	6.0	38.2	11.93	4.2	38.4	8.30	14.9	37.5
Blue collar									
Precision production, craft, and repair									
Supervisors, mechanics and repairers	19.06	4.8	42.8	19.89	6.5	40.7	—	—	—
Automobile mechanics	14.86	8.5	40.1	15.66	8.1	40.2	—	—	—
Bus, truck, and stationary engine mechanics	12.31	6.4	40.5	11.99	6.8	40.0	—	—	—
Automobile body and related repairers	16.68	8.2	42.5	14.36	8.3	41.4	—	—	—
Aircraft mechanics, except engine	19.38	9.4	40.0	19.38	9.4	40.0	—	—	—
Heavy equipment mechanics	16.91	3.4	40.1	16.91	3.4	40.1	—	—	—

See footnotes at end of table.

TABLE 4-8. West North Central census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1999—Continued

Occupation ⁵	Total			Metropolitan			Nonmetropolitan		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)	
Blue collar—Continued									
Precision production, craft, and repair—Continued									
Industrial machinery repairers	\$15.53	3.8	39.5	\$16.88	2.8	40.0	—	—	—
Machinery maintenance	12.72	17.0	40.0	16.81	5.8	40.0	—	—	—
Electronic repairers, communications and industrial equipment	16.83	5.0	39.7	17.47	5.1	39.6	—	—	—
Heating, air conditioning, and refrigeration mechanics	15.89	10.7	40.0	15.89	10.7	40.0	—	—	—
Millwrights	19.82	9.8	40.0	19.92	10.2	40.0	—	—	—
Mechanics and repairers, n.e.c.	14.84	7.0	40.2	14.72	9.2	40.4	\$15.13	8.5	40.0
Supervisors, plumbers, pipefitters, and steamfitters	23.68	5.2	40.0	23.68	5.2	40.0	—	—	—
Supervisors, construction trades, n.e.c.	18.68	4.6	40.7	18.91	5.0	40.7	—	—	—
Carpenters	18.20	6.2	39.9	18.30	6.3	39.9	—	—	—
Electricians	23.25	8.8	40.0	24.42	6.6	40.0	—	—	—
Plumbers, pipefitters and steamfitters	17.96	14.5	40.0	18.86	12.8	40.0	—	—	—
Structural metal workers	17.44	7.6	40.0	—	—	—	—	—	—
Construction trades, n.e.c.	14.80	4.4	40.3	15.24	3.4	40.3	—	—	—
Supervisors, production	19.69	4.8	41.4	20.11	4.1	40.5	—	—	—
Tool and die makers	21.88	2.1	40.0	21.88	2.1	40.0	—	—	—
Precision assemblers, metal	13.95	15.3	40.0	13.95	15.3	40.0	—	—	—
Machinists	16.80	7.0	40.0	16.80	7.0	40.0	—	—	—
Sheet metal workers	19.82	3.6	39.9	19.82	3.6	39.9	—	—	—
Electrical and electronic equipment assemblers	10.10	6.5	39.3	10.10	6.5	39.3	—	—	—
Miscellaneous precision workers, n.e.c.	13.77	9.9	40.0	14.41	14.5	40.0	—	—	—
Butchers and meat cutters	—	—	—	10.47	7.5	36.7	—	—	—
Bakers	9.35	3.2	38.0	9.35	3.2	38.0	—	—	—
Inspectors, testers, and graders	17.92	10.8	40.8	18.08	12.0	40.6	—	—	—
Water and sewer treatment plant operators	18.23	4.8	40.0	18.23	4.8	40.0	—	—	—
Stationary engineers	17.09	5.6	40.0	17.09	5.6	40.0	—	—	—
Machine operators, assemblers, and inspectors									
Punching and stamping press operators	12.44	3.9	39.5	12.88	3.0	39.6	11.69	9.8	39.2
Punching and stamping press operators	11.99	4.5	39.2	12.30	4.7	39.1	—	—	—
Grinding, abrading, buffing, and polishing machine operators	11.93	8.1	40.3	14.59	8.8	40.7	—	—	—
Forging machine operators	12.29	4.6	40.0	—	—	—	—	—	—
Numerical control machine operators	15.05	9.5	40.0	15.05	9.5	40.0	—	—	—
Fabricating machine operators, n.e.c.	11.73	5.2	40.0	11.94	12.1	40.0	11.62	5.1	40.0
Molding and casting machine operators	11.61	6.2	39.6	10.81	7.4	39.3	—	—	—
Metal plating machine operators	14.28	5.2	40.0	14.28	5.2	40.0	—	—	—
Printing press operators	16.50	6.6	38.9	16.50	6.6	38.9	—	—	—
Photoengravers and lithographers	15.40	11.4	39.4	15.40	11.4	39.4	—	—	—
Laundry and dry cleaning machine operators	6.59	4.9	22.3	7.15	4.9	31.4	—	—	—
Cementing and gluing machine operators	15.94	12.1	40.0	15.94	12.1	40.0	—	—	—
Packaging and filling machine operators	11.97	10.4	39.5	13.61	7.4	39.2	—	—	—
Extruding and forming machine operators	8.88	5.4	39.3	9.58	10.9	38.4	—	—	—
Painting and paint spraying machine operators	14.85	4.7	40.0	14.88	6.5	40.0	—	—	—
Slicing and cutting machine operators	12.66	8.7	39.6	14.87	5.5	39.9	—	—	—
Photographic process machine operators	10.37	13.8	37.4	10.37	13.8	37.4	—	—	—
Miscellaneous machine operators, n.e.c.	12.90	8.2	39.7	12.55	3.6	39.6	13.11	12.5	39.8
Welders and cutters	12.74	6.4	40.0	13.20	4.1	40.0	—	—	—
Solders and braziers	—	—	—	11.24	6.5	40.0	—	—	—
Assemblers	12.45	4.4	39.8	12.88	3.5	39.7	—	—	—
Miscellaneous hand working, n.e.c.	12.62	5.5	40.0	11.83	7.4	40.0	—	—	—
Production inspectors, checkers and examiners	14.09	7.7	39.3	14.32	7.5	39.3	—	—	—
Production testers	14.98	8.5	40.0	16.64	7.6	40.0	—	—	—
Transportation and material moving									
Supervisors, motor vehicle operators	12.32	2.8	38.6	12.29	2.9	38.8	12.50	4.3	37.0
Supervisors, motor vehicle operators	17.13	9.3	41.1	19.83	6.5	42.2	—	—	—
Truck drivers	11.67	4.3	43.4	11.54	4.0	43.5	17.84	10.6	40.0
Bus drivers	12.20	3.4	22.2	12.10	3.5	22.5	13.03	7.6	19.9
Taxicab drivers and chauffeurs	9.32	6.6	33.2	9.33	6.5	35.6	—	—	—
Motor transportation, n.e.c.	7.80	7.6	32.7	8.36	3.9	31.4	—	—	—
Supervisors, material moving equipment	21.04	2.2	40.7	21.04	2.2	40.7	—	—	—

See footnotes at end of table.

TABLE 4-8. West North Central census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1999—Continued

Occupation ⁵	Total			Metropolitan			Nonmetropolitan		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)	
Blue collar—Continued									
Transportation and material moving—Continued									
Operating engineers	\$16.72	5.5	40.0	\$16.74	6.0	40.0	—	—	—
Crane and tower operators	18.62	5.6	40.0	18.62	5.6	40.0	—	—	—
Excavating and loading machine operators	17.08	12.6	40.0	17.49	13.6	40.0	—	—	—
Grader, dozer, and scraper operators	13.41	5.5	40.0	—	—	—	\$12.14	3.9	40.0
Industrial truck and tractor equipment operators	12.71	2.8	39.7	12.71	3.3	39.6	12.71	5.4	40.0
Miscellaneous material moving equipment operators, n.e.c.	14.06	8.0	39.9	15.93	8.8	39.9	—	—	—
Handlers, equipment cleaners, helpers, and laborers ...									
Groundskeepers and gardeners, except farm	10.99	7.7	31.5	11.01	8.3	31.3	—	—	—
Supervisors, handlers, equipment cleaners, and laborers, n.e.c.	12.74	9.5	40.0	14.54	8.9	40.0	—	—	—
Helpers, mechanics and repairers	11.11	16.8	39.2	11.11	16.8	39.2	—	—	—
Helpers, construction trades	9.64	6.8	38.3	9.52	7.5	38.3	—	—	—
Construction laborers	12.09	9.6	39.7	12.27	10.7	39.7	—	—	—
Production helpers	10.64	6.0	38.6	10.64	6.0	38.6	—	—	—
Stock handlers and baggers	9.10	5.4	27.9	8.97	4.9	28.3	9.46	18.9	27.1
Machine feeders and offbearers	9.66	10.2	37.7	10.88	9.2	36.7	—	—	—
Freight, stock, and material handlers, n.e.c.	10.27	7.1	35.6	10.41	7.6	35.8	—	—	—
Garage and service station related	8.71	6.3	39.8	8.71	6.3	39.8	—	—	—
Vehicle washers and equipment cleaners	8.46	9.2	39.2	9.04	9.3	38.9	—	—	—
Hand packers and packagers	8.59	6.5	38.1	9.18	7.5	37.0	—	—	—
Laborers, except construction, n.e.c.	9.28	3.0	37.4	9.31	3.0	37.7	9.20	6.4	36.8
Service									
Protective service	13.97	5.9	37.3	14.44	6.8	36.9	12.72	12.2	38.5
Supervisors, firefighters and fire prevention	17.32	10.6	50.7	18.58	11.5	50.0	—	—	—
Supervisors, police and detectives	23.74	3.0	40.0	24.56	4.0	40.0	—	—	—
Supervisors, guards	17.34	9.8	40.0	18.88	8.5	40.0	—	—	—
Firefighting	13.81	3.3	46.4	13.91	3.6	45.7	—	—	—
Police and detectives, public service	17.56	4.1	39.9	17.54	4.5	39.8	17.68	9.0	40.0
Sheriffs, bailiffs, and other law enforcement officers	16.22	3.6	38.0	17.02	7.5	35.8	15.62	2.4	40.0
Correctional institution officers	13.51	6.0	39.3	13.61	6.6	39.2	—	—	—
Guards and police, except public service	8.15	10.8	31.5	8.54	16.4	29.5	—	—	—
Protective service, n.e.c.	9.04	8.8	25.0	9.27	9.7	24.9	—	—	—
Food service									
Waiters, waitresses, and bartenders	4.86	9.5	24.2	4.66	10.4	23.5	—	—	—
Bartenders	6.46	8.7	31.3	6.23	5.9	30.2	—	—	—
Waiters and waitresses	4.54	12.7	24.3	4.33	14.3	23.7	—	—	—
Waiters/Waitresses' assistants	5.79	7.4	19.1	5.75	7.7	19.0	—	—	—
Other food service	7.95	2.4	28.2	7.70	5.0	28.4	9.71	16.1	26.9
Supervisors, food preparation and service	10.42	7.6	39.6	9.13	10.8	39.8	—	—	—
Cooks	9.05	3.0	32.0	9.09	3.4	31.3	8.75	2.7	37.7
Kitchen workers, food preparation	7.29	3.9	28.7	7.35	4.2	29.5	—	—	—
Food preparation, n.e.c.	6.37	4.4	23.3	6.32	4.8	24.0	6.70	6.6	19.3
Health service									
Health aides, except nursing	9.15	4.4	27.9	9.44	4.3	29.1	—	—	—
Nursing aides, orderlies and attendants	9.18	7.6	32.9	10.11	7.9	32.7	7.91	6.6	33.2
Cleaning and building service									
Supervisors, cleaning and building service workers	11.43	12.0	37.5	11.58	15.2	36.8	—	—	—
Maids and housemen	6.81	4.9	29.9	6.78	5.3	29.3	—	—	—
Janitors and cleaners	9.30	4.3	31.5	9.37	4.8	30.6	8.88	6.3	37.7

See footnotes at end of table.

TABLE 4-8. West North Central census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1999—Continued

Occupation ⁵	Total			Metropolitan			Nonmetropolitan		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)	
Service —Continued									
Personal service	\$8.37	3.5	30.4	\$8.40	5.4	28.3	\$8.32	3.4	34.8
Supervisors, personal service	13.89	9.2	36.2	—	—	—	—	—	—
Attendants, amusement, and recreation facilities	7.65	4.0	36.7	7.76	9.1	31.0	—	—	—
Ushers	6.74	6.0	12.1	6.74	6.0	12.1	—	—	—
Welfare service aides	8.04	6.6	28.5	7.54	6.1	28.9	—	—	—
Early childhood teachers' assistants	7.47	5.6	28.2	7.59	7.0	28.0	—	—	—
Child care workers, n.e.c.	8.20	3.5	25.7	8.25	3.5	26.8	—	—	—
Service, n.e.c.	8.39	4.7	30.2	8.16	5.0	30.6	8.93	9.6	29.4

¹ The West North Central census division consists of Minnesota, Iowa, Missouri, North Dakota, South Dakota, Nebraska, and Kansas. It also includes the St. Louis, MO Consolidated Metropolitan Statistical Area, which is comprised of parts of Missouri and Illinois, and the Minneapolis-St. Paul, MN Metropolitan Statistical Area, which is comprised of parts of Minnesota and Wisconsin.

² 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.

³ Metropolitan areas can be a Metropolitan Statistical Area (MSA) or Consolidated Metropolitan Statistical Area (CMSA) as defined by the Office of Management and Budget, 1994. Nonmetropolitan areas are counties that do not fit the definitions above. For more

information, see appendix E.

⁴ In this census division, collection was conducted between December 1998 and April 2000. The average reference period was October 1999. For the first time, estimates include workers in private establishments employing fewer than 50 workers.

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

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, and n.e.c. means "not elsewhere classified." Overall occupational groups may include data for categories not shown separately.

TABLE 4-9. South Atlantic census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1999

Occupation ⁵	Total			Metropolitan			Nonmetropolitan		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)	
All	\$14.49	2.9	36.3	\$14.71	3.0	36.2	\$12.60	6.3	37.4
All, excluding sales	14.79	2.9	36.6	15.04	3.1	36.5	12.75	6.4	37.7
White collar	17.74	3.5	36.6	17.89	3.7	36.6	15.80	6.3	37.2
White collar, excluding sales	19.07	3.5	37.3	19.29	3.7	37.2	16.58	5.9	38.0
Professional specialty and technical	22.96	3.8	35.9	23.38	4.0	35.7	19.02	6.0	37.8
Professional specialty	25.09	3.5	36.0	25.45	3.6	35.8	21.56	6.3	38.2
Engineers, architects, and surveyors	28.72	2.5	40.2	28.69	2.5	40.2	-	-	-
Architects	21.97	8.5	39.4	21.97	8.5	39.4	-	-	-
Aerospace engineers	29.88	2.8	40.0	29.88	2.8	40.0	-	-	-
Chemical engineers	35.33	5.7	40.8	35.33	5.7	40.8	-	-	-
Civil engineers	27.46	4.4	40.5	27.32	4.7	40.5	-	-	-
Electrical and electronic engineers	31.16	3.0	40.2	31.20	3.0	40.2	-	-	-
Industrial engineers	24.71	4.9	40.2	24.71	4.9	40.2	-	-	-
Mechanical engineers	23.43	7.4	40.3	23.43	7.4	40.3	-	-	-
Engineers, n.e.c.	33.10	3.5	40.0	33.14	3.6	40.0	-	-	-
Mathematical and computer scientists	26.63	2.7	40.1	26.68	2.8	40.1	-	-	-
Computer systems analysts and scientists	27.72	2.9	40.2	27.78	2.9	40.2	-	-	-
Statisticians	23.02	24.9	40.0	-	-	-	-	-	-
Natural scientists	23.58	7.8	39.7	24.17	7.7	39.6	-	-	-
Chemists, except biochemists	27.26	6.3	40.0	27.26	6.3	40.0	-	-	-
Physical scientists, n.e.c.	26.01	15.9	39.9	26.75	15.2	39.9	-	-	-
Agricultural and food scientists	21.41	18.6	39.1	23.17	19.4	39.0	-	-	-
Biological and life scientists	17.35	5.5	39.7	17.22	5.5	39.7	-	-	-
Medical scientists	23.32	7.9	38.6	24.75	4.3	38.3	-	-	-
Health related	20.96	2.0	36.0	21.21	2.5	35.7	18.93	5.8	38.2
Physicians	41.40	13.5	41.8	42.77	13.6	41.9	-	-	-
Registered nurses	19.32	1.6	35.2	19.46	2.0	34.9	18.31	2.4	37.8
Pharmacists	29.34	2.3	36.4	29.51	2.2	36.3	-	-	-
Dietitians	18.66	4.5	39.7	18.66	4.5	39.7	-	-	-
Respiratory therapists	17.06	4.2	36.8	17.69	4.1	36.0	-	-	-
Occupational therapists	18.91	11.0	38.7	17.65	10.7	38.9	-	-	-
Physical therapists	27.62	5.9	33.6	27.62	5.9	33.6	-	-	-
Speech therapists	26.06	6.7	35.1	26.06	6.7	35.1	-	-	-
Therapists, n.e.c.	15.36	3.9	39.4	15.50	4.5	39.3	-	-	-
Physicians' assistants	30.70	4.6	40.4	30.70	4.6	40.4	-	-	-
Teachers, college and university	34.06	3.9	35.6	34.69	4.6	33.4	31.55	4.5	48.7
Biological science teachers	36.49	12.2	44.0	38.45	20.7	39.2	-	-	-
Chemistry teachers	29.20	2.0	49.9	30.58	5.5	38.8	-	-	-
Psychology teachers	32.45	14.5	40.7	32.45	14.5	40.7	-	-	-
Economics teachers	39.39	8.8	50.5	33.07	8.4	33.8	-	-	-
History teachers	30.64	7.0	41.7	30.64	7.0	41.7	-	-	-
Engineering teachers	38.10	3.3	47.5	32.37	17.2	33.1	-	-	-
Mathematical science teachers	34.53	12.3	37.5	36.37	13.4	36.8	-	-	-
Computer science teachers	39.12	8.4	35.8	39.12	8.4	35.8	-	-	-
Medical science teachers	40.91	14.0	41.1	40.91	14.0	41.1	-	-	-
Health specialties teachers	47.68	13.5	36.8	47.68	13.5	36.8	-	-	-
Business, commerce, and marketing teachers	40.60	13.4	41.8	40.60	13.4	41.8	-	-	-
Art, drama, and music teachers	25.01	6.4	32.2	25.01	6.4	32.2	-	-	-
Education teachers	35.48	9.9	39.8	35.48	9.9	39.8	-	-	-
English teachers	24.99	10.2	37.4	24.99	10.2	37.4	-	-	-
Foreign language teachers	17.66	16.9	40.5	31.00	15.2	22.5	-	-	-
Law teachers	57.47	12.6	44.3	57.47	12.6	44.3	-	-	-
Other post-secondary teachers	32.03	5.8	38.1	32.36	5.8	38.4	25.57	4.4	32.5
Teachers, except college and university	22.99	1.8	35.9	23.21	2.1	36.0	22.01	4.1	35.8
Prekindergarten and kindergarten	19.48	11.8	36.9	19.14	13.9	36.4	-	-	-
Elementary school teachers	23.55	2.0	37.2	23.72	2.2	37.3	22.80	4.4	37.1
Secondary school teachers	25.44	2.1	37.2	25.82	2.1	37.1	23.81	5.3	37.7
Teachers, special education	24.98	2.7	37.1	25.24	2.8	37.1	-	-	-
Teachers, n.e.c.	20.24	5.7	32.4	20.21	7.4	31.1	-	-	-
Substitute teachers	7.18	6.7	12.5	8.12	6.8	13.6	-	-	-
Vocational and educational counselors	21.54	9.9	36.9	21.39	11.1	36.7	-	-	-
Librarians, archivists, and curators	20.18	6.4	38.2	20.15	6.7	38.1	-	-	-
Librarians	20.17	6.5	38.3	20.14	6.8	38.2	-	-	-

See footnotes at end of table.

TABLE 4-9. South Atlantic census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1999–Continued

Occupation ⁵	Total			Metropolitan			Nonmetropolitan		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)	
White collar –Continued									
Professional specialty and technical –Continued									
Professional specialty –Continued									
Social scientists and urban planners	\$22.04	6.3	39.3	\$23.05	7.6	39.3	–	–	–
Economists	28.24	6.3	39.8	28.24	6.3	39.8	–	–	–
Psychologists	21.41	7.6	38.9	23.11	5.5	38.4	–	–	–
Social scientists, n.e.c.	25.48	13.6	38.2	25.48	13.6	38.2	–	–	–
Urban planners	19.94	6.6	40.0	22.06	3.1	40.0	–	–	–
Social, recreation, and religious workers	14.73	2.2	38.6	14.89	2.3	38.3	\$13.89	5.2	40.0
Social workers	14.80	2.3	39.3	14.95	2.4	39.2	14.01	6.3	40.0
Recreation workers	13.83	4.7	32.7	14.09	4.8	31.8	–	–	–
Lawyers and judges	–	–	–	–	–	–	–	–	–
Writers, authors, entertainers, athletes, and professionals, n.e.c.	22.29	10.4	26.5	22.43	10.3	26.4	–	–	–
Technical writers	15.81	5.2	38.6	15.81	5.2	38.6	–	–	–
Designers	15.12	9.2	39.5	15.12	9.2	39.5	–	–	–
Actors and directors	16.82	18.2	37.2	16.82	18.2	37.2	–	–	–
Painters, sculptors, craft artists, and artist printmakers	16.64	11.3	38.5	16.64	11.3	38.5	–	–	–
Photographers	16.89	9.0	40.0	17.92	7.1	39.9	–	–	–
Artists, performers, and related workers, n.e.c.	17.08	34.7	30.0	17.08	34.7	30.0	–	–	–
Editors and reporters	26.56	10.0	38.7	26.56	10.0	38.7	–	–	–
Public relations specialists	22.49	13.4	40.3	23.49	14.7	40.3	–	–	–
Professional, n.e.c.	28.72	4.6	39.3	28.72	4.6	39.3	–	–	–
Technical	16.54	3.4	35.6	17.02	4.2	35.5	12.87	5.1	36.8
Clinical laboratory technologists and technicians	14.08	8.3	35.7	13.92	9.1	35.6	16.21	7.5	37.4
Health record technologists and technicians	11.39	11.0	39.9	12.81	7.4	39.9	–	–	–
Radiological technicians	16.96	3.1	35.3	17.09	3.1	36.2	–	–	–
Licensed practical nurses	12.43	2.4	34.0	12.67	2.8	32.3	11.86	5.2	39.1
Health technologists and technicians, n.e.c.	12.17	3.4	33.5	12.54	4.4	33.4	11.22	5.4	33.8
Electrical and electronic technicians	15.56	14.1	36.1	15.49	15.1	35.8	–	–	–
Industrial engineering technicians	18.57	20.3	41.5	18.57	20.3	41.5	–	–	–
Mechanical engineering technicians	18.08	6.9	40.0	18.08	6.9	40.0	–	–	–
Engineering technicians, n.e.c.	18.17	6.1	39.7	18.20	6.3	39.7	–	–	–
Drafters	15.89	6.9	39.4	15.89	6.9	39.4	–	–	–
Biological technicians	14.90	9.2	40.0	–	–	–	–	–	–
Chemical technicians	17.09	6.0	40.0	18.31	6.8	39.9	–	–	–
Science technicians, n.e.c.	17.27	6.0	38.4	17.27	6.0	38.4	–	–	–
Airplane pilots and navigators	104.22	12.7	22.6	104.22	12.7	22.6	–	–	–
Broadcast equipment operators	17.10	20.6	35.4	17.10	20.6	35.4	–	–	–
Computer programmers	24.03	4.0	40.1	24.03	4.0	40.1	–	–	–
Technical and related, n.e.c.	17.04	5.5	38.3	17.52	6.2	39.8	14.42	10.7	31.8
Executive, administrative, and managerial	26.43	6.5	40.5	26.47	6.9	40.5	25.81	3.2	39.9
Executives, administrators, and managers	29.32	7.4	40.8	29.34	7.8	40.8	28.86	5.3	39.9
Administrators and officials, public administration ...	24.48	8.4	39.3	25.00	9.7	39.3	20.83	9.1	39.5
Financial managers	25.64	6.6	40.3	25.72	6.7	40.3	–	–	–
Personnel and labor relations managers	32.82	7.5	42.3	33.11	7.5	42.3	–	–	–
Purchasing managers	26.23	17.6	40.4	28.15	20.1	40.4	–	–	–
Managers, marketing, advertising, and public relations	35.89	7.4	40.7	35.27	6.7	41.0	–	–	–
Administrators, education and related fields	29.25	6.1	39.5	29.05	7.2	39.6	30.24	6.2	38.8
Managers, medicine and health	28.61	16.6	40.4	28.60	17.1	40.4	–	–	–
Managers, food servicing and lodging establishments	13.75	10.2	43.1	13.04	9.9	43.1	–	–	–
Managers, properties and real estate	20.31	15.4	41.3	20.31	15.4	41.3	–	–	–
Managers, service organizations, n.e.c.	25.88	9.0	40.5	25.86	9.9	40.7	–	–	–
Managers and administrators, n.e.c.	32.02	11.6	41.2	32.04	11.8	41.2	30.90	13.5	41.8
Management related	20.40	3.7	39.8	20.46	4.0	39.8	19.41	6.0	39.8
Accountants and auditors	21.73	9.0	39.2	21.95	9.2	39.1	–	–	–
Underwriters	18.81	12.0	40.3	18.81	12.0	40.3	–	–	–
Other financial officers	22.29	5.8	40.5	21.78	5.7	40.6	26.38	9.3	40.0
Management analysts	21.55	9.9	40.7	21.55	9.9	40.7	–	–	–

See footnotes at end of table.

TABLE 4-9. South Atlantic census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1999–Continued

Occupation ⁵	Total			Metropolitan			Nonmetropolitan		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)	
White collar –Continued									
Executive, administrative, and managerial –Continued									
Management related –Continued									
Personnel, training, and labor relations specialists ..	\$18.56	3.6	39.9	\$18.59	3.6	39.9	–	–	–
Buyers, wholesale and retail trade, except farm products	19.66	15.8	39.8	19.66	15.8	39.8	–	–	–
Purchasing agents and buyers, n.e.c.	16.83	10.4	40.1	16.75	11.2	40.1	–	–	–
Construction inspectors	17.60	2.9	40.8	17.60	2.9	40.8	–	–	–
Inspectors and compliance officers, except construction	16.28	5.2	40.3	16.69	5.9	40.3	–	–	–
Management related, n.e.c.	21.12	3.4	39.7	21.31	3.7	39.8	\$19.16	11.5	39.4
Sales									
Supervisors, sales	14.00	6.6	41.4	14.10	6.8	41.4	12.37	4.9	40.9
Insurance sales	17.63	10.8	37.1	17.63	10.8	37.1	–	–	–
Real estate sales	13.60	9.1	35.5	13.60	9.1	35.5	–	–	–
Securities and financial services sales	26.15	31.9	39.7	26.15	31.9	39.7	–	–	–
Advertising and related sales	25.18	8.8	39.0	25.18	8.8	39.0	–	–	–
Sales, other business services	17.75	15.6	38.8	17.90	16.1	38.7	–	–	–
Sales engineers	33.73	4.5	40.7	33.73	4.5	40.7	–	–	–
Sales representatives, mining, manufacturing, and wholesale	20.75	8.6	40.2	20.88	8.7	40.2	–	–	–
Sales workers, motor vehicles and boats	16.66	8.9	45.1	16.66	8.9	45.1	–	–	–
Sales workers, apparel	8.88	6.4	27.1	8.88	6.4	27.1	–	–	–
Sales workers, shoes	8.53	5.9	29.0	8.53	5.9	29.0	–	–	–
Sales workers, furniture and home furnishings	9.92	21.5	37.4	9.92	21.5	37.4	–	–	–
Sales workers, hardware and building supplies	11.58	7.3	38.9	12.08	6.7	38.9	–	–	–
Sales workers, parts	13.24	23.0	38.6	13.36	22.8	38.5	–	–	–
Sales workers, other commodities	13.07	22.7	33.4	13.22	22.9	33.7	8.92	4.7	27.4
Sales counter clerks	7.42	6.9	30.3	7.42	6.9	30.3	–	–	–
Cashiers	6.60	2.4	29.3	6.61	2.5	29.5	6.37	4.0	25.3
Demonstrators, promoters, and models, sales	11.78	11.3	31.9	11.78	11.3	31.9	–	–	–
Sales support, n.e.c.	12.42	8.3	37.3	12.42	8.3	37.3	–	–	–
Administrative support, including clerical									
Supervisors, general office	17.78	7.4	39.8	17.93	7.5	39.8	14.89	5.1	40.0
Supervisors, computer equipment operators	22.40	2.6	41.0	21.81	5.1	42.1	–	–	–
Supervisors, financial records processing	17.91	7.1	40.4	17.91	7.1	40.4	–	–	–
Chief communications operators	18.90	4.7	40.0	18.79	8.6	40.0	–	–	–
Supervisors, distribution, scheduling, and adjusting clerks	16.48	5.1	39.5	16.84	4.8	39.5	–	–	–
Computer operators	12.47	3.5	39.8	12.54	3.6	40.0	–	–	–
Peripheral equipment operators	12.27	8.7	40.0	12.27	8.7	40.0	–	–	–
Secretaries	14.82	8.8	38.5	14.96	8.8	38.5	11.45	7.3	38.3
Stenographers	11.72	3.3	32.5	12.22	2.7	30.6	–	–	–
Typists	11.59	7.1	37.2	11.59	7.1	37.2	–	–	–
Interviewers	9.36	5.0	30.3	9.61	5.9	29.0	8.06	1.9	40.0
Hotel clerks	7.53	2.4	34.5	7.57	2.8	33.4	–	–	–
Transportation ticket and reservation agents	14.71	4.5	36.2	14.71	4.5	36.2	–	–	–
Receptionists	8.80	3.5	33.7	8.87	3.8	33.5	7.07	3.7	39.9
Information clerks, n.e.c.	12.22	6.9	37.6	12.22	6.9	37.6	–	–	–
Correspondence clerks	9.82	5.3	37.9	9.82	5.3	37.9	–	–	–
Order clerks	12.13	4.9	37.4	12.04	5.0	37.2	–	–	–
Personnel clerks, except payroll and timekeeping ...	12.21	4.7	39.4	12.61	5.7	39.1	–	–	–
Library clerks	9.91	4.2	33.9	10.30	3.9	33.5	8.90	9.1	35.0
File clerks	7.85	5.8	34.3	7.89	6.1	34.4	–	–	–
Records clerks, n.e.c.	11.06	3.3	38.1	11.11	3.4	38.1	–	–	–
Bookkeepers, accounting and auditing clerks	11.27	3.1	36.7	11.22	3.3	36.5	11.88	7.0	38.7
Payroll and timekeeping clerks	11.75	6.5	37.8	11.61	7.3	37.7	–	–	–
Billing clerks	9.41	7.0	39.7	9.43	7.3	39.7	–	–	–
Cost and rate clerks	17.00	13.2	39.9	17.31	12.5	39.9	–	–	–
Billing, posting, and calculating machine operators	9.58	5.5	37.6	9.58	5.5	37.6	–	–	–
Duplicating machine operators	8.82	1.6	40.0	8.82	1.6	40.0	–	–	–

See footnotes at end of table.

TABLE 4-9. South Atlantic census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1999–Continued

Occupation ⁵	Total			Metropolitan			Nonmetropolitan		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)	
White collar –Continued									
Administrative support, including clerical –Continued									
Telephone operators	\$10.57	7.9	34.3	\$11.07	7.7	36.0	–	–	–
Communications equipment operators, n.e.c.	11.24	3.5	35.6	11.11	4.7	34.9	–	–	–
Mail clerks, except postal service	8.46	5.0	37.5	8.46	5.0	37.5	–	–	–
Messengers	8.62	4.5	34.5	8.68	4.6	34.7	–	–	–
Dispatchers	11.60	8.5	38.4	10.99	6.5	37.7	–	–	–
Production coordinators	15.31	10.1	39.2	16.00	9.4	39.1	–	–	–
Traffic, shipping and receiving clerks	10.37	8.2	39.2	10.04	7.6	39.0	–	–	–
Stock and inventory clerks	11.00	3.0	38.4	11.00	3.2	38.3	\$10.97	7.1	40.0
Meter readers	11.57	4.5	39.9	11.63	5.7	39.9	–	–	–
Weighers, measurers, checkers, and samplers	12.43	7.9	40.0	12.43	7.9	40.0	–	–	–
Expeditors	10.69	6.0	39.6	10.69	6.0	39.6	–	–	–
Material recording, scheduling, and distribution clerks, n.e.c.	11.41	4.7	37.1	11.36	4.9	36.7	–	–	–
Insurance adjusters, examiners, and investigators ..	17.97	6.9	39.3	17.97	6.9	39.3	–	–	–
Investigators and adjusters, except insurance	12.09	7.9	38.5	12.23	8.0	38.4	8.22	14.5	40.0
Eligibility clerks, social welfare	12.36	3.4	39.1	12.46	3.6	39.0	–	–	–
Bill and account collectors	11.08	4.3	38.1	11.07	4.5	38.0	–	–	–
General office clerks	10.42	2.2	37.4	10.42	2.5	37.2	10.43	2.0	39.1
Bank tellers	8.83	2.5	34.8	8.85	2.5	34.8	–	–	–
Data entry keyers	9.49	3.6	32.3	9.42	3.7	32.1	–	–	–
Statistical clerks	12.22	7.1	39.1	12.92	5.2	39.0	–	–	–
Teachers' aides	8.98	4.1	33.8	9.10	2.6	33.7	8.80	9.4	34.0
Administrative support, n.e.c.	10.86	4.3	38.0	11.08	4.7	38.4	8.86	6.8	35.3
Blue collar	11.98	2.2	38.3	12.06	1.3	38.2	11.53	12.4	38.8
Precision production, craft, and repair									
Supervisors, mechanics and repairers	21.08	5.1	40.3	20.91	5.1	40.3	–	–	–
Automobile mechanics	15.39	7.1	40.8	15.64	7.5	40.8	–	–	–
Bus, truck, and stationary engine mechanics	13.57	7.0	39.9	13.68	7.2	39.9	–	–	–
Aircraft engine mechanics	21.50	4.7	40.0	21.50	4.7	40.0	–	–	–
Automobile body and related repairers	21.57	10.9	39.6	21.57	10.9	39.6	–	–	–
Aircraft mechanics, except engine	21.13	9.8	40.0	21.13	9.8	40.0	–	–	–
Heavy equipment mechanics	13.84	4.5	40.0	13.84	4.5	40.0	–	–	–
Industrial machinery repairers	16.55	5.6	39.9	15.40	4.5	39.8	18.48	6.2	40.0
Machinery maintenance	13.73	6.0	39.7	13.05	6.8	39.6	–	–	–
Electronic repairers, communications and industrial equipment	17.30	7.5	32.0	17.22	7.8	31.8	–	–	–
Data processing equipment repairers	17.26	7.7	40.1	17.26	7.7	40.1	–	–	–
Telephone line installers and repairers	18.90	5.9	39.8	19.49	5.7	39.8	16.22	19.0	40.0
Heating, air conditioning, and refrigeration mechanics	13.18	6.3	40.1	13.20	6.5	40.1	–	–	–
Mechanical controls and valve repairers	16.08	9.2	40.0	15.92	9.6	40.0	–	–	–
Millwrights	16.50	7.9	40.0	16.50	7.9	40.0	–	–	–
Mechanics and repairers, n.e.c.	15.22	3.5	38.8	15.37	2.8	38.5	14.58	12.5	40.0
Supervisors, carpenters and related workers	17.01	9.6	40.0	17.01	9.6	40.0	–	–	–
Supervisors, electricians and power transmission installers	21.57	7.0	40.4	22.82	6.3	40.5	–	–	–
Supervisors, plumbers, pipefitters, and steamfitters	16.63	5.0	40.0	16.63	5.0	40.0	–	–	–
Supervisors, construction trades, n.e.c.	16.53	3.3	40.2	16.69	3.6	40.2	–	–	–
Carpenters	14.37	5.1	39.8	14.41	5.3	39.8	–	–	–
Drywall installers	13.69	2.7	40.0	13.69	2.7	40.0	–	–	–
Electricians	14.79	8.4	39.9	14.64	9.1	39.9	–	–	–
Electrician apprentices	11.18	4.6	40.0	11.18	4.6	40.0	–	–	–
Electrical power installers and repairers	18.85	6.2	40.0	19.37	7.3	40.0	16.11	3.2	40.0
Painters, construction and maintenance	11.29	3.9	39.7	11.27	3.9	39.7	–	–	–
Plumbers, pipefitters and steamfitters	17.08	7.0	40.0	17.19	7.2	40.0	–	–	–
Plumber, pipefitter, and steamfitter apprentices	10.84	9.3	40.0	10.84	9.3	40.0	–	–	–
Insulation workers	12.31	17.6	40.0	12.48	18.3	40.0	–	–	–
Paving, surfacing, and tamping equipment operators	11.38	8.5	40.0	–	–	–	–	–	–

See footnotes at end of table.

TABLE 4-9. South Atlantic census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1999–Continued

Occupation ⁵	Total			Metropolitan			Nonmetropolitan		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)	
Blue collar –Continued									
Precision production, craft, and repair –Continued									
Sheetmetal duct installers	\$14.68	9.6	40.0	\$14.68	9.6	40.0	–	–	–
Structural metal workers	15.73	8.8	40.0	15.73	8.8	40.0	–	–	–
Construction trades, n.e.c.	11.41	6.2	40.0	11.94	8.8	39.9	\$10.55	8.3	40.0
Supervisors, production	17.24	7.8	41.4	17.85	3.9	41.9	15.67	20.9	40.0
Tool and die makers	16.03	9.2	40.0	17.66	3.9	40.0	–	–	–
Precision assemblers, metal	14.45	5.4	40.0	14.45	5.4	40.0	–	–	–
Machinists	16.57	3.5	39.8	16.57	3.5	39.8	–	–	–
Sheet metal workers	13.69	5.0	40.0	13.69	5.0	40.0	–	–	–
Furniture and wood finishers	11.61	2.5	40.0	11.61	2.5	40.0	–	–	–
Dressmakers	11.89	13.4	40.0	11.89	13.4	40.0	–	–	–
Upholsterers	15.54	12.5	38.9	15.54	12.5	38.9	–	–	–
Electrical and electronic equipment assemblers	10.70	3.9	39.4	10.34	3.7	39.3	–	–	–
Miscellaneous precision workers, n.e.c.	18.24	2.6	39.9	17.59	4.8	39.9	–	–	–
Butchers and meat cutters	9.29	9.4	39.7	10.52	3.8	39.4	–	–	–
Bakers	8.44	3.4	35.9	8.44	3.4	35.9	–	–	–
Food batchmakers	9.15	2.2	40.0	9.15	2.2	40.0	–	–	–
Inspectors, testers, and graders	15.15	6.3	40.5	15.15	6.3	40.5	–	–	–
Water and sewer treatment plant operators	13.83	4.5	36.8	13.96	4.8	36.0	–	–	–
Power plant operators	20.88	14.4	40.0	20.88	14.4	40.0	–	–	–
Stationary engineers	17.53	6.7	39.9	17.53	6.7	39.9	–	–	–
Miscellaneous plant and system operators, n.e.c.	17.34	6.7	39.3	17.34	6.7	39.3	–	–	–
Machine operators, assemblers, and inspectors									
Lathe and turning machine set-up operators	11.33	3.5	39.6	11.52	2.5	39.6	10.57	14.2	39.9
Lathe and turning machine operators	13.84	6.1	39.9	15.02	6.4	39.8	–	–	–
Punching and stamping press operators	12.69	6.9	40.0	12.69	6.9	40.0	–	–	–
Drilling and boring machine operators	10.98	8.3	40.0	10.98	8.3	40.0	–	–	–
Grinding, abrading, buffing, and polishing machine operators	11.95	9.9	39.7	11.95	9.9	39.7	–	–	–
Numerical control machine operators	10.71	4.5	40.0	10.99	5.5	40.0	–	–	–
Fabricating machine operators, n.e.c.	13.27	4.2	39.9	13.27	4.2	39.9	–	–	–
Molding and casting machine operators	12.01	5.9	39.9	12.01	5.9	39.9	–	–	–
Wood lathe, routing, and planing machine operators	13.61	17.8	39.9	14.30	17.8	39.9	–	–	–
Sawing machine operators	7.99	9.9	39.1	–	–	–	–	–	–
Shaping and jointing machine operators	11.64	11.0	38.8	11.64	11.0	38.8	–	–	–
Nailing and tacking machine operators	10.35	2.5	40.0	10.35	2.5	40.0	–	–	–
Printing press operators	9.97	4.0	40.0	9.97	4.0	40.0	–	–	–
Photoengravers and lithographers	15.73	4.0	38.8	15.73	4.0	38.8	–	–	–
Typesetters and compositors	14.03	5.6	39.2	14.03	5.6	39.2	–	–	–
Winding and twisting machine operators	12.73	7.6	38.2	12.78	7.7	39.3	–	–	–
Knitting, looping, taping, and weaving machine operators	–	–	–	10.02	4.3	39.6	–	–	–
Textile cutting machine operators	10.84	2.1	40.0	10.84	2.1	40.0	–	–	–
Textile sewing machine operators	10.29	6.1	40.0	10.41	5.4	40.0	–	–	–
Pressing machine operators	8.95	12.1	39.3	9.05	11.9	39.3	–	–	–
Pressing machine operators	8.28	6.7	39.9	8.28	6.7	39.9	–	–	–
Laundry and dry cleaning machine operators	6.93	2.5	39.1	6.95	2.7	39.2	–	–	–
Cementing and gluing machine operators	–	–	–	10.18	12.5	40.0	–	–	–
Packaging and filling machine operators	11.64	10.2	39.5	13.36	9.2	39.2	–	–	–
Extruding and forming machine operators	12.75	3.9	39.9	12.75	3.9	39.9	–	–	–
Mixing and blending machine operators	13.02	9.1	39.8	13.06	9.2	39.8	–	–	–
Separating, filtering, and clarifying machine operators	16.89	3.6	39.7	16.89	3.6	39.7	–	–	–
Compressing and compacting machine operators ..	9.42	8.0	38.7	9.42	8.0	38.7	–	–	–
Painting and paint spraying machine operators	12.88	11.1	40.2	12.89	11.3	40.2	–	–	–
Folding machine operators	9.48	7.6	39.9	9.48	7.6	39.9	–	–	–
Furnace, kiln, and oven operators, except food	14.86	9.6	40.1	14.86	9.6	40.1	–	–	–
Crushing and grinding machine operators	13.12	12.9	40.0	13.12	12.9	40.0	–	–	–
Slicing and cutting machine operators	12.34	9.0	40.0	12.34	9.0	40.0	–	–	–
Photographic process machine operators	10.50	13.7	36.7	10.55	13.7	36.7	–	–	–
Miscellaneous machine operators, n.e.c.	12.53	6.3	39.6	12.14	6.8	39.5	14.82	16.3	40.0

See footnotes at end of table.

TABLE 4-9. South Atlantic census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1999–Continued

Occupation ⁵	Total			Metropolitan			Nonmetropolitan		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)	
Blue collar –Continued									
Machine operators, assemblers, and inspectors –Continued									
Welders and cutters	\$13.46	7.1	40.0	\$14.24	5.6	40.0	–	–	–
Assemblers	10.08	7.5	39.7	11.28	4.4	39.6	–	–	–
Hand cutting and trimming	11.17	3.8	40.0	11.17	3.8	40.0	–	–	–
Hand painting, coating, and decorating	10.27	9.8	40.0	10.27	9.8	40.0	–	–	–
Miscellaneous hand working, n.e.c.	10.54	6.7	37.6	10.09	5.8	37.6	–	–	–
Production inspectors, checkers and examiners	11.12	3.7	40.0	11.05	4.2	40.0	–	–	–
Production testers	11.31	7.1	40.0	11.68	7.3	40.0	–	–	–
Graders and sorters, except agricultural	8.27	3.0	40.0	8.42	4.8	39.9	–	–	–
Hand inspectors, n.e.c.	9.48	2.0	40.1	9.48	2.0	40.1	–	–	–
Transportation and material moving	11.82	2.5	37.7	11.82	2.5	37.8	\$11.82	7.5	36.5
Supervisors, motor vehicle operators	16.65	7.1	40.9	16.31	8.3	41.8	–	–	–
Truck drivers	11.64	3.6	40.2	11.55	3.8	39.9	13.82	10.3	49.5
Driver-sales workers	11.63	5.9	37.0	11.60	6.0	36.9	–	–	–
Bus drivers	10.98	4.5	26.7	11.41	4.8	28.2	8.31	5.1	20.2
Taxicab drivers and chauffeurs	6.70	4.9	23.4	6.70	4.9	23.4	–	–	–
Parking lot attendants	6.79	3.3	30.0	6.79	3.3	30.0	–	–	–
Motor transportation, n.e.c.	10.28	7.8	33.8	10.41	8.1	33.5	–	–	–
Supervisors, material moving equipment	15.19	14.4	40.4	15.58	16.1	40.4	–	–	–
Operating engineers	14.04	6.7	40.0	–	–	–	–	–	–
Crane and tower operators	17.21	13.3	40.0	18.35	15.4	39.9	–	–	–
Excavating and loading machine operators	12.27	7.7	40.0	12.65	8.4	40.0	–	–	–
Grader, dozer, and scrapper operators	11.21	3.8	39.9	11.18	4.2	39.9	–	–	–
Industrial truck and tractor equipment operators	11.24	4.2	39.9	11.44	3.4	39.9	–	–	–
Miscellaneous material moving equipment operators, n.e.c.	13.78	9.0	39.3	14.11	9.1	39.3	–	–	–
Handlers, equipment cleaners, helpers, and laborers ...	9.21	2.9	35.7	9.22	1.6	35.6	9.12	16.3	36.5
Supervisors, agriculture-related workers	18.10	10.2	40.3	18.24	10.5	40.3	–	–	–
Groundskeepers and gardeners, except farm	8.19	6.2	39.0	8.16	7.0	38.9	8.42	4.6	40.0
Supervisors, handlers, equipment cleaners, and laborers, n.e.c.	15.12	4.8	40.3	15.12	4.8	40.3	–	–	–
Helpers, mechanics and repairers	9.61	5.0	40.0	9.46	5.8	40.0	–	–	–
Helpers, construction trades	10.23	6.5	39.2	10.24	6.6	39.2	–	–	–
Construction laborers	8.60	4.5	39.6	8.58	4.6	39.6	–	–	–
Production helpers	11.85	9.0	39.8	10.35	4.7	39.7	–	–	–
Garbage collectors	9.99	8.4	40.0	10.09	9.2	40.0	–	–	–
Stock handlers and baggers	8.25	3.2	30.2	8.19	2.9	30.3	8.66	11.8	29.2
Machine feeders and offbearers	9.69	4.3	39.9	9.48	3.9	39.8	–	–	–
Freight, stock, and material handlers, n.e.c.	9.67	6.0	31.7	9.92	4.3	30.8	8.13	22.1	38.4
Garage and service station related	9.01	8.3	40.0	9.01	8.3	40.0	–	–	–
Vehicle washers and equipment cleaners	8.92	3.4	39.4	8.92	3.5	39.4	–	–	–
Hand packers and packagers	8.07	3.8	35.6	8.31	4.3	34.6	7.19	3.7	40.0
Laborers, except construction, n.e.c.	8.88	3.9	38.3	9.01	2.9	38.4	7.78	26.1	37.8
Service	8.54	2.1	32.8	8.51	1.9	32.5	8.76	9.3	35.4
Protective service	12.73	1.9	37.4	12.86	2.4	36.9	12.23	2.1	39.8
Supervisors, firefighters and fire prevention	21.40	5.7	49.8	21.40	5.7	49.8	–	–	–
Supervisors, police and detectives	20.87	4.7	40.2	21.94	4.2	40.2	–	–	–
Supervisors, guards	12.23	8.3	36.1	11.57	8.0	35.8	–	–	–
Fire inspection and fire prevention	16.36	8.5	47.1	16.36	8.5	47.1	–	–	–
Firefighting	13.25	5.0	42.1	13.34	4.6	41.8	–	–	–
Police and detectives, public service	16.93	2.5	40.1	17.21	2.3	40.2	13.23	14.2	39.8
Sheriffs, bailiffs, and other law enforcement officers	13.61	3.8	39.8	14.55	3.7	39.6	10.31	6.1	40.6
Correctional institution officers	12.80	1.6	40.1	13.48	2.8	40.1	12.37	1.6	40.0
Crossing guards	8.71	8.7	17.7	9.05	9.0	19.6	–	–	–
Guards and police, except public service	8.36	3.7	33.2	8.28	3.7	33.0	10.33	13.9	37.3
Protective service, n.e.c.	11.43	10.9	32.4	11.41	12.1	31.7	–	–	–
Food service	6.33	3.0	30.2	6.29	3.4	30.0	6.69	5.5	31.3

See footnotes at end of table.

TABLE 4-9. South Atlantic census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1999–Continued

Occupation ⁵	Total			Metropolitan			Nonmetropolitan		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)	
Service –Continued									
Food service –Continued									
Waiters, waitresses, and bartenders	\$3.61	4.7	28.6	\$3.54	4.9	28.2	\$4.53	9.1	35.0
Bartenders	4.40	12.4	32.1	4.28	13.4	31.8	–	–	–
Waiters and waitresses	3.03	5.5	27.6	3.00	5.7	27.4	3.59	6.0	32.8
Waiters/Waitresses' assistants	5.49	5.4	30.4	5.47	5.8	29.5	–	–	–
Other food service	7.38	2.1	30.8	7.41	2.0	30.9	7.14	6.5	30.6
Supervisors, food preparation and service	10.54	4.1	39.2	10.61	4.7	39.5	–	–	–
Cooks	7.64	3.4	35.0	7.66	3.6	34.7	7.44	4.2	38.9
Kitchen workers, food preparation	7.26	4.8	30.8	7.15	5.5	30.2	7.80	3.0	33.7
Food preparation, n.e.c.	6.85	2.7	28.5	6.86	2.9	28.3	6.80	4.4	30.7
Health service	8.29	2.9	34.6	8.49	3.1	34.4	7.35	5.4	35.8
Health aides, except nursing	9.51	3.1	32.7	9.52	3.2	32.1	9.36	9.1	39.7
Nursing aides, orderlies and attendants	7.76	2.4	35.9	7.98	2.4	36.1	6.93	7.3	35.0
Cleaning and building service	8.31	3.3	33.9	8.38	3.4	33.6	7.50	4.0	37.6
Supervisors, cleaning and building service workers	12.97	7.8	39.2	12.98	8.4	39.2	–	–	–
Maids and housemen	6.79	3.8	37.9	6.85	4.4	38.1	6.39	1.9	36.2
Janitors and cleaners	8.25	2.5	31.8	8.29	2.6	31.4	7.74	4.5	38.4
Pest control	10.51	17.9	40.0	10.51	17.9	40.0	–	–	–
Personal service	8.88	5.6	31.2	8.94	5.9	31.0	8.14	5.9	33.4
Supervisors, personal service	13.01	7.5	36.7	13.01	7.5	36.7	–	–	–
Hairdressers and cosmetologists	11.19	4.5	32.2	11.19	4.5	32.2	–	–	–
Attendants, amusement, and recreation facilities	7.08	5.6	25.8	7.17	6.0	26.7	–	–	–
Guides	9.51	4.9	31.0	9.64	4.8	32.4	–	–	–
Public transportation attendants	28.39	8.2	20.9	28.39	8.2	20.9	–	–	–
Baggage porters and bellhops	6.00	8.6	32.1	6.00	8.6	32.1	–	–	–
Welfare service aides	8.68	5.9	30.0	8.75	6.7	29.1	–	–	–
Early childhood teachers' assistants	7.03	7.8	32.6	6.81	6.3	32.0	8.55	9.5	37.0
Child care workers, n.e.c.	7.16	1.3	29.8	7.16	1.3	29.8	–	–	–
Service, n.e.c.	8.06	9.7	34.4	8.07	10.9	34.4	7.97	4.2	34.6

¹ The South Atlantic census division consists of Delaware, Maryland, District of Columbia, Virginia, West Virginia, North Carolina, South Carolina, Georgia, and Florida.

² 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.

³ Metropolitan areas can be a Metropolitan Statistical Area (MSA) or Consolidated Metropolitan Statistical Area (CMSA) as defined by the Office of Management and Budget, 1994. Nonmetropolitan areas are counties that do not fit the definitions above. For more information, see appendix E.

⁴ In this census division, collection was conducted between September 1998 and April

2000. The average reference period was September 1999. For the first time, estimates include workers in private establishments employing fewer than 50 workers.

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

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, and n.e.c. means "not elsewhere classified." Overall occupational groups may include data for categories not shown separately.

TABLE 4-10. East South Central census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1999

Occupation ⁵	Total			Metropolitan			Nonmetropolitan		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)	
All	\$12.13	5.0	37.6	\$12.87	1.5	37.4	\$9.72	9.6	38.1
All, excluding sales	12.24	4.1	37.8	12.84	2.0	37.7	10.03	10.2	37.9
White collar	14.95	6.4	37.2	15.84	3.7	37.0	11.78	16.0	38.2
White collar, excluding sales	16.64	3.1	37.7	16.60	3.5	37.8	16.97	4.1	37.0
Professional specialty and technical	20.46	2.8	36.9	20.86	3.5	37.0	18.73	3.1	36.2
Professional specialty	22.35	4.0	37.0	22.87	5.4	37.3	20.28	2.7	35.9
Engineers, architects, and surveyors	27.77	2.6	40.9	27.76	2.6	40.9	-	-	-
Aerospace engineers	29.57	4.4	40.0	29.57	4.4	40.0	-	-	-
Civil engineers	27.96	7.6	39.2	27.96	7.6	39.2	-	-	-
Electrical and electronic engineers	28.17	2.7	41.9	28.07	3.1	42.3	-	-	-
Industrial engineers	27.17	10.8	41.6	27.17	10.8	41.6	-	-	-
Mechanical engineers	28.10	3.8	40.1	28.10	3.8	40.1	-	-	-
Engineers, n.e.c.	27.48	2.5	41.2	27.48	2.5	41.2	-	-	-
Mathematical and computer scientists	26.13	4.7	40.2	26.13	4.7	40.2	-	-	-
Computer systems analysts and scientists	26.13	5.1	40.2	26.13	5.1	40.2	-	-	-
Operations and systems researchers and analysts	29.13	8.8	41.2	29.13	8.8	41.2	-	-	-
Natural scientists	24.83	6.3	40.6	24.83	6.3	40.6	-	-	-
Health related	20.16	4.6	36.5	21.11	4.7	36.4	16.84	2.8	36.9
Physicians	49.28	18.7	41.0	49.28	18.7	41.0	-	-	-
Registered nurses	18.18	2.1	36.4	18.59	2.6	36.1	16.96	3.1	37.4
Pharmacists	29.52	5.1	38.1	29.52	5.1	38.1	-	-	-
Dietitians	15.46	5.4	40.9	16.43	1.2	41.3	-	-	-
Respiratory therapists	16.47	4.9	32.1	16.10	2.3	31.9	-	-	-
Physical therapists	26.94	9.3	34.1	26.94	9.3	34.1	-	-	-
Speech therapists	20.45	8.0	40.0	20.45	8.0	40.0	-	-	-
Therapists, n.e.c.	15.73	7.7	38.4	16.12	7.7	38.2	-	-	-
Teachers, college and university	29.63	9.2	34.2	31.46	10.3	34.7	24.31	10.7	32.9
Business, commerce, and marketing teachers	35.06	17.9	30.7	23.21	29.1	34.1	-	-	-
Art, drama, and music teachers	30.00	5.5	30.3	-	-	-	-	-	-
English teachers	24.24	10.0	29.9	25.18	12.2	37.1	-	-	-
Other post-secondary teachers	25.83	6.8	34.4	27.96	6.7	33.5	21.64	4.3	36.1
Teachers, except college and university	22.30	5.5	36.2	22.56	8.7	36.0	21.84	3.0	36.5
Elementary school teachers	23.62	2.7	38.0	24.78	4.2	37.5	22.36	3.6	38.6
Secondary school teachers	24.49	3.6	37.4	25.40	5.6	37.2	23.03	4.0	37.7
Teachers, special education	25.68	8.6	36.7	27.03	8.4	36.5	-	-	-
Teachers, n.e.c.	23.40	10.8	37.4	24.93	6.9	36.9	-	-	-
Substitute teachers	7.11	2.3	10.2	7.52	3.3	8.8	-	-	-
Vocational and educational counselors	26.69	13.8	39.1	30.42	13.5	39.3	-	-	-
Librarians, archivists, and curators	19.60	4.9	36.1	19.60	4.9	36.1	-	-	-
Librarians	19.60	4.9	36.1	19.60	4.9	36.1	-	-	-
Social scientists and urban planners	-	-	-	-	-	-	-	-	-
Social, recreation, and religious workers	11.27	10.2	39.8	11.23	10.9	39.8	11.74	6.4	39.7
Social workers	11.20	11.1	39.8	11.16	11.9	39.8	11.74	6.4	39.7
Recreation workers	10.96	1.0	39.7	10.96	1.0	39.7	-	-	-
Lawyers and judges	40.53	7.6	43.7	41.72	6.6	48.0	-	-	-
Lawyers	40.53	7.6	43.7	41.72	6.6	48.0	-	-	-
Writers, authors, entertainers, athletes, and professionals, n.e.c.	16.69	17.6	37.3	16.63	18.3	37.5	-	-	-
Designers	14.57	26.2	40.4	14.57	26.2	40.4	-	-	-
Editors and reporters	23.05	11.0	32.3	23.05	11.0	32.3	-	-	-
Public relations specialists	15.46	14.5	39.8	15.46	14.5	39.8	-	-	-
Professional, n.e.c.	18.05	3.2	38.1	17.87	4.3	38.3	-	-	-
Technical	14.88	2.2	36.6	15.26	2.1	36.4	12.79	7.8	37.8
Clinical laboratory technologists and technicians	15.91	7.6	37.8	15.43	3.0	37.5	-	-	-
Health record technologists and technicians	10.51	7.0	34.7	-	-	-	-	-	-
Radiological technicians	15.27	5.9	38.6	15.92	5.5	38.7	-	-	-
Licensed practical nurses	12.00	3.9	37.4	12.49	5.9	37.6	11.33	3.7	37.3
Health technologists and technicians, n.e.c.	12.64	2.5	37.1	12.64	2.5	37.1	-	-	-
Electrical and electronic technicians	17.96	4.7	40.6	17.93	4.7	40.6	-	-	-
Engineering technicians, n.e.c.	17.57	2.2	39.7	17.67	1.8	39.7	-	-	-
Drafters	16.48	2.0	40.5	16.48	2.0	40.5	-	-	-
Chemical technicians	17.01	11.0	40.0	17.01	11.0	40.0	-	-	-
Computer programmers	14.23	12.5	40.1	14.23	12.5	40.1	-	-	-

See footnotes at end of table.

TABLE 4-10. East South Central census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1999—Continued

Occupation ⁵	Total			Metropolitan			Nonmetropolitan		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)	
White collar —Continued									
Professional specialty and technical —Continued									
Technical—Continued									
Legal assistants	\$16.70	3.3	45.9	\$16.81	3.9	46.3	—	—	—
Technical and related, n.e.c.	15.31	5.7	38.4	15.31	5.7	38.4	—	—	—
Executive, administrative, and managerial									
Executives, administrators, and managers	23.41	4.7	40.1	23.48	4.9	40.3	\$22.83	13.8	38.4
Legislators	23.16	5.0	40.0	23.13	5.0	40.3	23.33	16.4	38.0
Administrators and officials, public administration ...	30.42	36.7	8.4	17.44	23.2	12.6	—	—	—
Financial managers	22.82	7.2	38.5	24.67	3.8	39.5	20.28	16.5	37.2
Personnel and labor relations managers	19.33	15.4	41.8	20.16	18.5	42.7	16.58	26.7	39.0
Managers, marketing, advertising, and public relations	22.84	1.6	39.6	22.84	1.6	39.6	—	—	—
Administrators, education and related fields	33.08	9.6	41.3	33.08	9.6	41.3	—	—	—
Managers, medicine and health	28.87	8.5	39.3	30.94	11.5	40.5	26.05	8.4	37.8
Managers, food servicing and lodging establishments	27.22	8.0	40.8	28.74	8.2	39.9	—	—	—
Managers, service organizations, n.e.c.	14.21	15.0	35.5	14.64	17.7	34.8	—	—	—
Managers and administrators, n.e.c.	31.87	19.6	39.8	—	—	—	—	—	—
Management related	22.23	10.9	41.2	21.65	11.1	40.8	—	—	—
Accountants and auditors	23.93	5.2	40.2	24.16	5.1	40.2	20.21	20.8	40.2
Other financial officers	18.36	7.6	40.0	19.43	7.0	40.0	—	—	—
Buyers, wholesale and retail trade, except farm products	19.90	10.4	39.5	18.69	8.1	39.4	—	—	—
Inspectors and compliance officers, except construction	22.03	15.5	40.8	18.80	5.6	41.0	—	—	—
Management related, n.e.c.	19.76	10.1	39.2	20.13	9.5	39.3	—	—	—
Management related, n.e.c.	20.40	6.1	41.6	20.56	6.3	41.7	—	—	—
Sales									
Supervisors, sales	11.18	12.6	36.3	13.26	11.8	34.5	—	—	—
Insurance sales	13.64	9.4	40.9	13.96	10.7	41.0	—	—	—
Sales representatives, mining, manufacturing, and wholesale	18.15	29.9	40.0	18.15	29.9	40.0	—	—	—
Sales workers, apparel	19.44	3.6	40.8	19.24	3.2	40.8	—	—	—
Sales workers, radio, tv, hi-fi, and appliances	9.05	5.8	33.6	9.05	5.8	33.6	—	—	—
Sales workers, hardware and building supplies	10.80	7.9	33.9	10.80	7.9	33.9	—	—	—
Sales workers, other commodities	9.71	3.4	36.3	9.48	2.6	36.1	—	—	—
Sales counter clerks	10.63	26.1	31.4	10.76	28.1	31.6	—	—	—
Cashiers	6.24	3.0	33.0	6.25	3.0	33.1	—	—	—
Sales support, n.e.c.	—	—	—	6.64	3.1	30.6	—	—	—
Sales support, n.e.c.	7.67	15.6	36.1	7.67	15.6	36.1	—	—	—
Administrative support, including clerical									
Supervisors, general office	10.70	2.5	37.4	10.75	2.7	37.4	10.15	4.0	37.7
Supervisors, financial records processing	14.17	8.6	39.0	14.46	8.8	38.9	—	—	—
Supervisors, distribution, scheduling, and adjusting clerks	16.48	7.4	40.3	16.48	7.4	40.3	—	—	—
Computer operators	16.23	9.9	38.6	15.12	9.2	37.7	—	—	—
Secretaries	15.78	4.1	39.7	14.79	8.5	39.3	—	—	—
Stenographers	11.37	3.1	38.5	11.44	3.4	38.4	10.74	5.6	39.1
Typists	10.83	7.4	39.7	10.83	7.4	39.7	—	—	—
Hotel clerks	10.00	6.4	40.0	10.59	2.5	40.0	—	—	—
Transportation ticket and reservation agents	7.00	4.0	28.8	7.00	4.0	28.8	—	—	—
Receptionists	15.74	8.0	35.4	15.74	8.0	35.4	—	—	—
Information clerks, n.e.c.	8.69	6.1	36.1	8.72	6.3	35.9	—	—	—
Order clerks	10.63	9.1	38.5	10.63	9.1	38.5	—	—	—
Personnel clerks, except payroll and timekeeping ...	10.44	11.1	39.2	10.44	11.1	39.2	—	—	—
Library clerks	12.45	2.3	40.0	12.45	2.3	40.0	—	—	—
File clerks	8.34	6.3	31.7	8.84	12.1	29.2	—	—	—
Records clerks, n.e.c.	9.20	4.3	39.2	9.20	4.4	39.1	—	—	—
Bookkeepers, accounting and auditing clerks	9.46	8.1	38.2	9.51	8.8	38.1	—	—	—
Payroll and timekeeping clerks	11.38	3.6	38.8	11.50	3.6	38.7	9.18	9.3	39.8
Billing clerks	10.16	7.6	33.9	10.85	5.4	39.7	—	—	—
Billing clerks	10.42	3.9	36.0	10.36	4.6	35.5	—	—	—

See footnotes at end of table.

TABLE 4-10. East South Central census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1999—Continued

Occupation ⁵	Total			Metropolitan			Nonmetropolitan		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)	
White collar —Continued									
Administrative support, including clerical —Continued									
Telephone operators	\$9.24	7.4	33.1	\$9.24	7.4	33.1	—	—	—
Mail clerks, except postal service	9.38	8.5	38.5	9.86	7.3	38.3	—	—	—
Dispatchers	11.83	4.8	38.5	12.90	1.5	39.7	—	—	—
Production coordinators	13.77	7.4	40.2	13.77	7.4	40.2	—	—	—
Stock and inventory clerks	9.91	9.9	38.4	9.97	10.1	38.3	—	—	—
Meter readers	14.88	5.9	40.0	14.88	5.9	40.0	—	—	—
Material recording, scheduling, and distribution clerks, n.e.c.	10.65	13.0	31.5	12.84	7.8	38.9	—	—	—
Insurance adjusters, examiners, and investigators ..	12.96	.2	39.9	12.96	.2	39.9	—	—	—
Investigators and adjusters, except insurance	11.73	5.8	39.7	12.01	4.5	39.6	—	—	—
Eligibility clerks, social welfare	9.20	12.3	40.0	9.20	12.3	40.0	—	—	—
Bill and account collectors	8.34	5.5	35.1	8.34	5.5	35.1	—	—	—
General office clerks	9.44	2.9	38.0	9.40	3.2	37.8	\$9.80	3.7	40.0
Bank tellers	9.24	4.2	37.1	9.26	4.2	37.0	—	—	—
Data entry keyers	9.32	4.6	39.0	9.30	5.0	39.5	—	—	—
Teachers' aides	7.75	2.0	36.6	7.91	1.9	35.5	—	—	—
Administrative support, n.e.c.	10.18	2.6	35.5	10.19	2.6	35.4	—	—	—
Blue collar	11.69	2.7	39.3	11.95	1.2	39.3	10.02	8.6	39.4
Precision production, craft, and repair									
Supervisors, mechanics and repairers	16.63	7.9	40.1	16.63	7.9	40.1	—	—	—
Automobile mechanics	11.94	8.7	40.3	11.94	8.7	40.3	—	—	—
Heavy equipment mechanics	15.29	4.0	40.0	14.74	3.9	40.0	—	—	—
Industrial machinery repairers	17.48	6.2	40.0	18.27	4.4	40.0	—	—	—
Electronic repairers, communications and industrial equipment	13.04	9.3	40.0	13.03	9.4	40.0	—	—	—
Heating, air conditioning, and refrigeration mechanics	11.29	3.6	40.0	11.29	3.6	40.0	—	—	—
Mechanical controls and valve repairers	17.94	11.6	40.0	17.94	11.6	40.0	—	—	—
Supervisors, electricians and power transmission installers	21.95	2.1	40.1	22.26	2.7	40.1	—	—	—
Supervisors, construction trades, n.e.c.	20.27	4.6	41.6	22.27	4.3	42.9	18.25	8.3	40.4
Carpenters	16.43	8.2	40.0	15.69	9.5	40.0	—	—	—
Electricians	14.02	6.1	40.0	14.09	6.5	40.0	—	—	—
Electrical power installers and repairers	18.48	8.2	40.0	18.66	9.0	40.0	—	—	—
Plumbers, pipefitters and steamfitters	19.63	14.5	40.0	19.63	14.5	40.0	—	—	—
Structural metal workers	11.78	4.1	40.0	11.78	4.1	40.0	—	—	—
Construction trades, n.e.c.	14.06	13.3	38.5	13.27	18.0	38.0	—	—	—
Supervisors, production	19.57	4.3	41.2	19.57	4.3	41.2	—	—	—
Sheet metal workers	13.14	.5	40.0	13.14	.5	40.0	—	—	—
Butchers and meat cutters	10.27	8.1	40.0	10.17	8.1	40.0	—	—	—
Inspectors, testers, and graders	15.41	8.9	40.4	15.41	8.9	40.4	—	—	—
Water and sewer treatment plant operators	12.38	7.5	40.0	13.92	3.1	40.0	—	—	—
Power plant operators	19.12	4.7	40.0	19.12	4.7	40.0	—	—	—
Stationary engineers	17.23	.6	40.0	17.23	.6	40.0	—	—	—
Miscellaneous plant and system operators, n.e.c.	19.38	1.3	40.0	19.38	1.3	40.0	—	—	—
Machine operators, assemblers, and inspectors	9.91	6.6	39.5	—	—	—	9.96	10.4	40.0
Grinding, abrading, buffing, and polishing machine operators	17.80	14.9	40.0	17.80	14.9	40.0	—	—	—
Fabricating machine operators, n.e.c.	10.81	4.2	39.9	11.06	2.8	39.9	—	—	—
Molding and casting machine operators	9.07	2.7	39.4	9.07	2.7	39.4	—	—	—
Printing press operators	11.36	8.1	39.8	11.36	8.1	39.8	—	—	—
Winding and twisting machine operators	9.66	3.0	40.0	9.66	3.0	40.0	—	—	—
Textile sewing machine operators	8.67	7.3	40.0	8.10	2.3	40.0	—	—	—
Laundering and dry cleaning machine operators	7.00	6.2	38.0	7.02	6.6	38.2	—	—	—
Packaging and filling machine operators	—	—	—	10.98	17.2	40.0	—	—	—
Extruding and forming machine operators	11.04	12.6	39.1	11.04	12.6	39.1	—	—	—
Mixing and blending machine operators	16.17	8.0	39.9	16.17	8.0	39.9	—	—	—
Compressing and compacting machine operators ..	12.25	2.9	39.8	12.25	2.9	39.8	—	—	—

See footnotes at end of table.

TABLE 4-10. East South Central census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1999—Continued

Occupation ⁵	Total			Metropolitan			Nonmetropolitan		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)	
Blue collar—Continued									
Machine operators, assemblers, and inspectors									
—Continued									
Painting and paint spraying machine operators	\$11.58	9.1	40.0	\$11.93	11.4	40.0	—	—	—
Furnace, kiln, and oven operators, except food	12.68	5.0	40.0	13.96	4.5	40.0	—	—	—
Slicing and cutting machine operators	12.45	15.4	40.0	12.36	4.5	39.7	—	—	—
Photographic process machine operators	12.79	19.3	36.6	12.79	19.3	36.6	—	—	—
Welders and cutters	15.75	4.4	39.8	15.75	4.4	39.8	—	—	—
Assemblers	11.88	18.4	39.8	12.63	17.5	39.8	—	—	—
Miscellaneous hand working, n.e.c.	7.93	3.5	37.5	—	—	—	—	—	—
Production inspectors, checkers and examiners	—	—	—	14.91	13.4	40.0	—	—	—
Production testers	16.77	15.9	40.0	16.77	15.9	40.0	—	—	—
Transportation and material moving	11.63	5.1	40.5	11.58	5.8	41.1	\$12.07	5.2	36.6
Supervisors, motor vehicle operators	17.07	2.6	41.6	17.07	2.6	41.6	—	—	—
Truck drivers	12.09	6.1	45.4	11.79	6.8	45.3	16.18	3.7	46.2
Driver-sales workers	12.46	5.6	24.7	12.46	5.6	24.7	—	—	—
Bus drivers	10.74	8.2	25.7	—	—	—	11.49	9.6	19.7
Supervisors, material moving equipment	16.36	6.3	40.5	16.62	7.1	40.6	—	—	—
Operating engineers	14.18	15.0	40.0	14.18	15.0	40.0	—	—	—
Crane and tower operators	14.14	2.4	40.0	14.14	2.4	40.0	—	—	—
Excavating and loading machine operators	15.27	8.4	39.6	14.58	10.2	40.0	—	—	—
Grader, dozer, and scrapper operators	10.29	6.7	40.0	—	—	—	—	—	—
Industrial truck and tractor equipment operators	10.21	4.3	40.0	10.66	6.5	40.0	—	—	—
Miscellaneous material moving equipment operators, n.e.c.	11.90	4.3	33.8	11.94	4.4	33.6	—	—	—
Handlers, equipment cleaners, helpers, and laborers	8.32	2.5	38.1	8.25	2.7	37.8	8.55	3.0	39.2
Groundskeepers and gardeners, except farm	—	—	—	8.05	6.8	33.9	—	—	—
Supervisors, handlers, equipment cleaners, and laborers, n.e.c.	14.55	5.5	41.0	14.83	5.4	41.1	—	—	—
Helpers, mechanics and repairers	8.50	4.2	37.2	8.27	4.3	37.0	—	—	—
Helpers, construction trades	9.30	3.3	40.0	9.30	3.3	40.0	—	—	—
Construction laborers	9.60	9.1	39.8	9.49	9.8	39.8	—	—	—
Production helpers	8.88	10.8	40.0	8.83	12.1	40.0	—	—	—
Garbage collectors	8.47	6.8	40.0	8.47	6.8	40.0	—	—	—
Stock handlers and baggers	8.04	4.5	32.4	7.76	4.0	29.0	8.41	7.7	38.2
Machine feeders and offbearers	10.40	6.6	39.7	10.07	4.8	38.8	—	—	—
Freight, stock, and material handlers, n.e.c.	9.28	6.8	35.1	10.85	2.1	30.8	—	—	—
Garage and service station related	7.31	5.6	38.0	7.31	5.6	38.0	—	—	—
Vehicle washers and equipment cleaners	9.38	11.0	24.4	9.69	11.5	33.0	—	—	—
Laborers, except construction, n.e.c.	8.19	4.4	39.0	8.31	5.6	38.7	7.77	4.0	40.0
Service	7.96	1.5	34.0	8.06	2.9	31.1	—	—	—
Protective service	11.07	6.5	40.2	12.64	4.5	40.0	—	—	—
Supervisors, firefighters and fire prevention	15.96	9.3	52.3	18.22	.6	51.9	—	—	—
Supervisors, police and detectives	18.32	7.8	40.1	19.28	7.1	40.1	—	—	—
Supervisors, guards	12.52	3.8	38.1	12.52	3.8	38.1	—	—	—
Firefighting	11.77	5.0	52.1	11.86	6.1	52.1	—	—	—
Police and detectives, public service	14.72	3.9	38.6	14.94	4.3	38.5	—	—	—
Sheriffs, bailiffs, and other law enforcement officers	11.88	3.6	40.2	14.37	3.0	40.0	10.89	5.7	40.2
Correctional institution officers	11.34	3.8	39.9	11.78	3.2	39.9	—	—	—
Guards and police, except public service	—	—	—	8.11	7.0	37.0	—	—	—
Protective service, n.e.c.	18.30	32.1	37.4	19.34	31.4	37.8	—	—	—
Food service	5.63	6.1	32.2	6.10	3.0	28.8	—	—	—
Waiters, waitresses, and bartenders	—	—	—	3.08	10.2	27.4	—	—	—
Bartenders	5.90	6.7	30.8	5.52	5.6	32.3	—	—	—
Waiters and waitresses	—	—	—	2.75	8.1	27.1	—	—	—
Waiters'/Waitresses' assistants	4.50	5.8	23.4	4.32	6.6	25.6	—	—	—
Other food service	6.95	3.2	29.5	7.04	3.5	29.2	6.38	4.4	30.9
Supervisors, food preparation and service	9.58	3.6	42.0	9.84	2.9	42.2	—	—	—
Cooks	7.66	3.7	34.5	8.11	1.5	34.7	6.56	7.5	34.0

See footnotes at end of table.

TABLE 4-10. East South Central census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1999–Continued

Occupation ⁵	Total			Metropolitan			Nonmetropolitan		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)	
Service –Continued									
Food service –Continued									
Other food service –Continued									
Kitchen workers, food preparation	\$7.35	5.3	31.9	\$7.88	3.7	31.7	\$6.58	9.7	32.2
Food preparation, n.e.c.	5.86	2.7	23.9	5.86	2.9	24.0	–	–	–
Health service	7.58	3.2	36.3	8.15	4.3	36.0	6.51	2.4	36.8
Health aides, except nursing	8.68	4.2	33.9	9.31	3.5	36.0	–	–	–
Nursing aides, orderlies and attendants	7.37	3.2	36.7	7.90	4.7	35.9	6.45	2.6	38.1
Cleaning and building service	9.00	7.1	36.9	9.44	8.7	35.3	–	–	–
Supervisors, cleaning and building service workers	–	–	–	11.55	18.8	39.3	–	–	–
Maids and housemen	6.16	3.9	34.1	6.19	4.2	33.8	–	–	–
Janitors and cleaners	10.01	7.9	35.3	10.25	7.3	35.2	7.83	8.2	36.2
Personal service	–	–	–	6.67	3.9	24.1	–	–	–
Supervisors, personal service	–	–	–	8.51	7.8	30.9	–	–	–
Hairdressers and cosmetologists	5.65	14.4	22.3	5.65	14.4	22.3	–	–	–
Baggage porters and bellhops	7.13	4.4	30.8	7.13	4.4	30.8	–	–	–
Welfare service aides	7.37	4.2	26.8	7.38	4.2	26.8	–	–	–
Early childhood teachers' assistants	7.13	5.2	33.9	7.01	8.0	32.9	–	–	–
Child care workers, n.e.c.	6.65	4.4	31.7	7.61	8.7	25.2	–	–	–
Service, n.e.c.	–	–	–	7.51	3.4	26.8	–	–	–

¹ The East South Central census division consists of Kentucky, Tennessee, Alabama, and Mississippi. It also includes the Louisville, KY Metropolitan Statistical Area, which is comprised of parts of Kentucky and Indiana.

² 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.

³ Metropolitan areas can be a Metropolitan Statistical Area (MSA) or Consolidated Metropolitan Statistical Area (CMSA) as defined by the Office of Management and Budget, 1994. Nonmetropolitan areas are counties that do not fit the definitions above. For more information, see appendix E.

⁴ In this census division, collection was conducted between May 1999 and April 2000. The average reference period was October 1999. For the first time, estimates include workers in private establishments employing fewer than 50 workers.

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

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, and n.e.c. means "not elsewhere classified." Overall occupational groups may include data for categories not shown separately.

TABLE 4-11. West South Central census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1999

Occupation ⁵	Total			Metropolitan			Nonmetropolitan		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)	
All	\$14.38	3.5	36.8	\$14.42	3.7	36.8	\$13.90	5.1	37.3
All, excluding sales	14.72	3.3	37.4	14.80	3.6	37.3	13.98	4.9	37.5
White collar	17.54	3.7	37.1	17.53	3.9	37.0	17.66	2.5	37.3
White collar, excluding sales	19.05	3.0	38.3	19.14	3.2	38.3	17.99	2.0	37.8
Professional specialty and technical	23.91	5.5	37.9	24.50	6.0	37.9	19.63	1.3	37.5
Professional specialty	26.51	6.9	37.8	27.32	7.6	37.8	21.03	3.0	37.4
Engineers, architects, and surveyors	38.17	20.5	41.1	39.60	21.0	41.2	-	-	-
Petroleum engineers	32.97	9.4	40.1	32.97	9.4	40.1	-	-	-
Chemical engineers	33.74	5.2	40.4	33.74	5.2	40.4	-	-	-
Civil engineers	31.99	8.5	42.0	31.98	8.7	42.0	-	-	-
Electrical and electronic engineers	30.32	2.7	40.5	30.32	2.7	40.5	-	-	-
Industrial engineers	23.98	7.5	41.3	25.27	6.4	41.6	-	-	-
Mechanical engineers	27.66	4.5	40.6	27.66	4.5	40.6	-	-	-
Engineers, n.e.c.	49.70	31.5	41.8	53.04	30.6	42.0	-	-	-
Mathematical and computer scientists	31.37	10.1	40.2	32.16	10.5	40.2	-	-	-
Computer systems analysts and scientists	31.87	10.8	40.1	32.79	11.2	40.1	-	-	-
Operations and systems researchers and analysts	27.81	6.7	41.5	27.81	6.7	41.5	-	-	-
Natural scientists	27.03	5.3	40.0	27.17	5.4	40.0	-	-	-
Geologists and geodesists	39.61	6.8	40.2	39.61	6.8	40.2	-	-	-
Physical scientists, n.e.c.	20.27	5.9	40.0	20.34	6.4	40.0	-	-	-
Biological and life scientists	24.72	21.4	40.0	24.72	21.4	40.0	-	-	-
Medical scientists	13.37	6.3	39.5	13.37	6.3	39.5	-	-	-
Health related	26.96	15.1	36.9	27.93	15.4	37.0	17.72	2.5	36.2
Physicians	56.76	11.8	40.5	56.76	11.8	40.5	-	-	-
Registered nurses	19.56	1.6	36.2	19.85	1.8	36.2	17.70	2.2	35.7
Pharmacists	27.46	3.3	37.5	27.46	3.3	37.5	-	-	-
Dietitians	14.44	9.4	40.0	16.35	3.0	40.0	-	-	-
Respiratory therapists	16.40	3.6	33.7	16.07	3.4	33.1	-	-	-
Occupational therapists	21.10	33.3	38.4	21.10	33.3	38.4	-	-	-
Physical therapists	23.40	8.8	37.6	23.40	8.8	37.6	-	-	-
Speech therapists	25.89	6.3	34.1	26.37	7.3	33.6	-	-	-
Therapists, n.e.c.	29.35	26.9	29.5	30.45	26.4	29.1	-	-	-
Teachers, college and university	30.74	5.8	32.8	31.41	6.3	32.6	25.82	6.2	34.9
Mathematical science teachers	31.20	8.7	36.6	33.59	6.1	35.5	-	-	-
Medical science teachers	42.19	12.2	37.3	42.19	12.2	37.3	-	-	-
Health specialties teachers	25.81	14.5	34.6	25.81	14.5	34.6	-	-	-
Business, commerce, and marketing teachers	28.49	9.3	37.3	28.49	9.3	37.3	-	-	-
English teachers	25.50	5.6	23.2	-	-	-	-	-	-
Trade and industrial teachers	22.73	9.2	32.3	20.85	14.2	27.9	-	-	-
Other post-secondary teachers	29.91	5.1	32.3	30.02	5.5	32.5	-	-	-
Teachers, except college and university	22.82	4.3	37.5	22.84	5.4	37.6	22.74	4.9	37.0
Prekindergarten and kindergarten	21.42	9.4	37.0	21.42	9.4	37.0	-	-	-
Elementary school teachers	23.79	2.0	38.1	24.26	2.0	38.4	22.41	5.8	37.4
Secondary school teachers	24.53	2.3	38.2	25.02	2.2	38.5	23.63	4.9	37.6
Teachers, special education	16.18	20.0	38.9	16.18	20.0	38.9	-	-	-
Teachers, n.e.c.	22.47	6.4	36.3	23.23	4.9	37.2	-	-	-
Substitute teachers	7.22	6.2	18.7	7.30	6.5	18.7	-	-	-
Vocational and educational counselors	21.75	9.8	39.2	21.65	9.8	39.3	-	-	-
Librarians, archivists, and curators	17.24	7.9	38.6	18.11	6.2	38.5	-	-	-
Librarians	16.55	9.5	38.3	17.56	8.5	38.1	-	-	-
Social scientists and urban planners	22.50	11.4	37.5	22.50	11.4	37.5	-	-	-
Economists	29.08	14.0	40.0	29.08	14.0	40.0	-	-	-
Psychologists	22.39	11.1	35.6	22.39	11.1	35.6	-	-	-
Social, recreation, and religious workers	13.16	2.0	39.6	13.39	2.2	39.5	12.26	4.7	40.0
Social workers	13.36	2.0	39.5	13.56	1.9	39.4	12.56	5.6	40.0
Recreation workers	10.95	8.5	39.1	11.74	11.3	38.5	-	-	-
Lawyers and judges	38.46	14.2	35.3	38.41	15.0	35.1	-	-	-
Lawyers	38.03	15.3	35.3	38.40	15.7	35.2	-	-	-
Judges	44.14	9.2	36.6	38.76	12.9	33.5	-	-	-
Writers, authors, entertainers, athletes, and professionals, n.e.c.	21.67	12.2	36.1	21.76	12.3	36.1	-	-	-
Technical writers	25.01	4.1	38.6	25.01	4.1	38.6	-	-	-
Designers	17.47	10.8	40.0	17.47	10.8	40.0	-	-	-

See footnotes at end of table.

TABLE 4-11. West South Central census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1999—Continued

Occupation ⁵	Total			Metropolitan			Nonmetropolitan		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)	
White collar —Continued									
Professional specialty and technical —Continued									
Professional specialty—Continued									
Writers, authors, entertainers, athletes, and professionals, n.e.c.—Continued									
Actors and directors	\$22.35	30.9	40.8	\$22.35	30.9	40.8	—	—	—
Photographers	10.52	11.3	40.0	10.52	11.3	40.0	—	—	—
Artists, performers, and related workers, n.e.c.	9.96	18.8	27.8	9.96	18.8	27.8	—	—	—
Editors and reporters	18.40	6.4	39.5	18.40	6.4	39.5	—	—	—
Public relations specialists	26.53	13.1	40.0	26.53	13.1	40.0	—	—	—
Athletes	22.96	19.0	19.6	22.96	19.0	19.6	—	—	—
Professional, n.e.c.	22.53	14.7	39.2	22.65	15.0	39.2	—	—	—
Technical	16.70	3.3	38.1	16.94	3.4	38.2	\$14.43	12.0	37.6
Clinical laboratory technologists and technicians	14.24	2.8	38.5	14.18	3.0	38.4	—	—	—
Health record technologists and technicians	8.80	3.6	39.5	8.76	3.3	39.5	—	—	—
Radiological technicians	15.34	4.9	38.9	16.12	5.6	39.7	—	—	—
Licensed practical nurses	12.95	2.7	38.0	13.26	2.6	38.6	11.60	5.8	35.8
Health technologists and technicians, n.e.c.	12.99	3.6	36.8	12.86	3.7	36.2	—	—	—
Electrical and electronic technicians	17.43	4.9	39.8	17.53	5.1	39.8	—	—	—
Mechanical engineering technicians	18.06	14.2	38.0	18.06	14.2	38.0	—	—	—
Engineering technicians, n.e.c.	18.09	9.5	40.0	18.21	9.6	40.0	—	—	—
Drafters	20.30	5.7	39.9	20.55	5.5	40.0	—	—	—
Chemical technicians	20.16	11.3	40.1	20.16	11.3	40.1	—	—	—
Science technicians, n.e.c.	13.71	13.2	40.0	13.71	13.2	40.0	—	—	—
Airplane pilots and navigators	59.34	24.5	28.9	73.41	23.2	25.6	—	—	—
Broadcast equipment operators	9.43	22.8	39.3	9.43	22.8	39.3	—	—	—
Computer programmers	17.84	10.7	40.1	17.84	10.7	40.1	—	—	—
Legal assistants	16.92	4.9	40.1	16.92	4.9	40.1	—	—	—
Technical and related, n.e.c.	16.66	5.3	39.8	16.66	5.3	39.8	—	—	—
Executive, administrative, and managerial									
Executives, administrators, and managers	25.95	2.9	40.7	25.96	3.1	40.9	25.75	5.9	38.1
Legislators	29.42	4.1	40.9	29.57	4.4	41.2	27.50	6.9	37.7
Administrators and officials, public administration ...	3.98	23.7	37.1	3.98	23.7	37.1	—	—	—
Financial managers	26.15	8.3	38.1	26.90	8.0	40.4	—	—	—
Personnel and labor relations managers	26.65	9.3	40.5	26.69	9.4	40.5	—	—	—
Purchasing managers	33.18	8.5	39.1	29.62	9.8	40.0	—	—	—
Managers, marketing, advertising, and public relations	30.53	7.8	40.4	30.53	7.8	40.4	—	—	—
Administrators, education and related fields	29.83	21.3	40.4	29.83	21.3	40.4	—	—	—
Managers, medicine and health	30.93	5.7	39.6	31.36	7.3	40.3	29.61	6.7	37.8
Managers, food servicing and lodging establishments	26.30	6.8	39.8	28.03	5.6	39.7	—	—	—
Managers, properties and real estate	17.54	23.7	42.8	17.54	23.7	42.8	—	—	—
Managers, service organizations, n.e.c.	29.72	13.0	40.0	29.72	13.0	40.0	—	—	—
Managers and administrators, n.e.c.	20.96	12.8	39.7	20.96	12.8	39.7	—	—	—
Management related	31.40	5.7	41.9	31.69	6.0	42.0	26.74	13.2	40.5
Accountants and auditors	19.99	2.9	40.3	19.96	3.1	40.4	20.58	8.5	39.5
Underwriters	20.32	3.0	40.5	20.32	3.0	40.5	—	—	—
Other financial officers	21.66	11.7	40.1	21.66	11.7	40.1	—	—	—
Management analysts	20.00	8.8	41.6	19.75	8.9	41.7	—	—	—
Personnel, training, and labor relations specialists ..	25.28	7.0	40.2	25.28	7.0	40.2	—	—	—
Buyers, wholesale and retail trade, except farm products	18.36	11.2	39.9	17.99	11.5	39.9	—	—	—
Purchasing agents and buyers, n.e.c.	25.47	15.0	41.0	25.47	15.0	41.0	—	—	—
Construction inspectors	20.15	7.8	40.6	20.15	7.8	40.6	—	—	—
Inspectors and compliance officers, except construction	18.83	2.5	40.0	—	—	—	—	—	—
Management related, n.e.c.	20.66	7.0	40.0	20.79	6.3	40.0	—	—	—
	19.10	7.1	39.6	19.18	7.4	39.7	—	—	—
Sales									
Supervisors, sales	11.61	5.9	32.9	11.64	6.0	33.0	8.78	17.2	27.7
Securities and financial services sales	15.22	11.5	41.0	15.23	11.6	41.1	—	—	—
	15.47	9.3	39.5	15.47	9.3	39.5	—	—	—

See footnotes at end of table.

TABLE 4-11. West South Central census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1999—Continued

Occupation ⁵	Total			Metropolitan			Nonmetropolitan		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)	
White collar —Continued									
Sales —Continued									
Advertising and related sales	\$20.28	16.5	39.8	\$20.28	16.5	39.8	—	—	—
Sales, other business services	16.21	11.2	37.9	16.21	11.2	37.9	—	—	—
Sales representatives, mining, manufacturing, and wholesale	22.74	9.1	41.6	22.74	9.1	41.6	—	—	—
Sales workers, motor vehicles and boats	23.72	14.3	45.6	23.72	14.3	45.6	—	—	—
Sales workers, apparel	7.50	5.1	28.9	7.50	5.1	28.9	—	—	—
Sales workers, shoes	8.54	10.1	26.5	8.54	10.1	26.5	—	—	—
Sales workers, furniture and home furnishings	10.84	23.6	32.7	10.84	23.6	32.7	—	—	—
Sales workers, radio, tv, hi-fi, and appliances	15.00	27.4	39.2	15.00	27.4	39.2	—	—	—
Sales workers, hardware and building supplies	9.36	5.3	33.4	9.36	5.3	33.4	—	—	—
Sales workers, parts	8.70	17.1	35.1	8.70	17.1	35.1	—	—	—
Sales workers, other commodities	8.73	5.9	30.4	8.67	5.9	30.4	—	—	—
Sales counter clerks	7.16	10.6	31.8	7.16	10.6	31.8	—	—	—
Cashiers	6.59	2.8	28.5	6.55	2.8	28.6	\$7.35	7.3	26.2
Demonstrators, promoters, and models, sales	10.42	14.8	26.3	10.42	14.8	26.3	—	—	—
Sales support, n.e.c.	10.28	8.9	37.9	10.28	8.9	37.9	—	—	—
Administrative support, including clerical	11.59	4.8	37.7	11.65	5.0	37.6	10.53	6.9	38.5
Supervisors, general office	14.99	6.0	39.9	14.94	6.1	39.9	—	—	—
Supervisors, financial records processing	13.90	11.5	40.2	13.90	11.5	40.2	—	—	—
Computer operators	13.27	4.2	39.9	13.27	4.2	39.9	—	—	—
Peripheral equipment operators	11.26	11.4	40.0	11.26	11.4	40.0	—	—	—
Secretaries	11.86	2.8	38.7	12.05	2.6	38.6	9.79	8.6	39.3
Typists	10.03	3.5	37.7	10.03	3.8	37.5	—	—	—
Interviewers	8.79	12.2	28.8	8.85	13.1	28.2	—	—	—
Hotel clerks	7.17	3.9	37.5	7.17	3.9	37.5	—	—	—
Transportation ticket and reservation agents	12.20	4.3	38.5	12.20	4.3	38.5	—	—	—
Receptionists	8.27	3.9	37.8	8.32	4.1	37.9	—	—	—
Information clerks, n.e.c.	9.65	4.1	39.3	9.65	4.1	39.3	—	—	—
Correspondence clerks	14.12	19.7	38.4	14.12	19.7	38.4	—	—	—
Order clerks	11.47	11.9	37.8	11.52	12.3	37.7	—	—	—
Personnel clerks, except payroll and timekeeping ...	11.20	5.9	34.8	11.20	5.9	34.8	—	—	—
Library clerks	9.20	5.5	33.1	9.52	3.6	31.0	—	—	—
File clerks	8.70	5.2	36.8	8.70	5.2	36.8	—	—	—
Records clerks, n.e.c.	10.74	5.9	38.3	11.13	7.0	38.0	9.27	8.5	39.1
Bookkeepers, accounting and auditing clerks	10.60	3.6	38.0	10.49	3.4	38.1	12.18	10.0	37.6
Payroll and timekeeping clerks	12.70	9.4	40.0	12.70	9.4	40.0	—	—	—
Billing clerks	11.00	5.0	36.8	11.11	5.4	36.6	—	—	—
Cost and rate clerks	12.10	15.6	40.0	12.10	15.6	40.0	—	—	—
Billing, posting, and calculating machine operators	10.02	13.1	35.6	11.36	9.4	34.2	—	—	—
Duplicating machine operators	8.88	6.4	32.7	8.88	6.4	32.7	—	—	—
Telephone operators	9.40	5.4	34.9	9.40	5.4	34.9	—	—	—
Mail clerks, except postal service	8.51	7.8	39.3	8.51	7.8	39.3	—	—	—
Messengers	8.22	8.6	22.1	8.22	8.6	22.1	—	—	—
Dispatchers	11.46	4.8	38.6	12.35	4.9	39.7	—	—	—
Traffic, shipping and receiving clerks	10.93	9.2	39.5	10.89	9.4	39.5	—	—	—
Stock and inventory clerks	9.99	5.5	39.4	10.07	6.1	39.4	—	—	—
Meter readers	11.49	10.6	39.8	11.49	10.6	39.8	—	—	—
Expeditors	15.70	11.5	40.0	15.70	11.5	40.0	—	—	—
Material recording, scheduling, and distribution clerks, n.e.c.	11.96	25.9	39.9	9.49	13.7	39.9	—	—	—
Investigators and adjusters, except insurance	11.88	9.4	38.6	11.88	9.4	38.6	—	—	—
Eligibility clerks, social welfare	9.94	5.5	38.8	9.94	5.5	38.8	—	—	—
Bill and account collectors	14.49	4.1	38.4	14.63	4.5	38.4	—	—	—
General office clerks	9.84	3.0	35.8	9.83	3.1	35.6	10.11	5.6	40.0
Bank tellers	8.43	5.2	35.4	8.46	5.3	35.5	—	—	—
Data entry keyers	8.61	2.5	38.7	8.61	2.6	38.7	—	—	—
Statistical clerks	11.05	11.8	39.2	11.25	15.1	39.1	—	—	—
Teachers' aides	8.72	5.2	37.9	8.71	5.6	38.0	—	—	—
Administrative support, n.e.c.	9.93	4.4	36.8	9.98	4.6	36.6	8.97	6.7	40.0

See footnotes at end of table.

TABLE 4-11. West South Central census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1999—Continued

Occupation ⁵	Total			Metropolitan			Nonmetropolitan		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)	
Blue collar	\$11.98	3.0	38.7	\$11.87	3.1	38.6	\$12.88	10.7	39.2
Precision production, craft, and repair	15.23	2.7	39.6	14.98	2.0	39.6	17.06	11.2	39.7
Supervisors, mechanics and repairers	22.55	4.3	40.9	22.71	4.9	41.0	—	—	—
Automobile mechanics	14.59	6.3	40.0	14.63	6.4	40.0	—	—	—
Bus, truck, and stationary engine mechanics	15.84	11.8	40.1	15.84	11.9	40.1	—	—	—
Aircraft engine mechanics	20.39	13.4	40.0	17.78	5.8	40.0	—	—	—
Aircraft mechanics, except engine	20.16	7.6	40.4	20.16	7.6	40.4	—	—	—
Heavy equipment mechanics	16.27	9.9	40.0	16.56	9.6	40.0	—	—	—
Industrial machinery repairers	16.52	8.6	40.0	15.61	3.4	40.0	—	—	—
Machinery maintenance	11.65	10.2	40.0	13.00	12.9	40.0	—	—	—
Electronic repairers, communications and industrial equipment	16.85	10.4	38.4	16.85	10.4	38.4	—	—	—
Telephone line installers and repairers	16.27	8.1	40.0	16.27	8.1	40.0	—	—	—
Telephone installers and repairers	18.54	7.3	40.0	18.65	7.4	40.0	—	—	—
Heating, air conditioning, and refrigeration mechanics	13.85	5.2	40.0	13.85	5.2	40.0	—	—	—
Office machine repairers	16.46	10.0	40.0	16.46	10.0	40.0	—	—	—
Mechanics and repairers, n.e.c.	14.35	3.8	39.1	14.16	3.9	39.8	—	—	—
Supervisors, carpenters and related workers	13.60	9.2	41.0	13.60	9.2	41.0	—	—	—
Supervisors, electricians and power transmission installers	19.29	5.2	40.0	19.98	4.3	40.0	—	—	—
Supervisors, plumbers, pipefitters, and steamfitters	16.32	9.8	40.0	16.32	9.8	40.0	—	—	—
Supervisors, construction trades, n.e.c.	18.46	15.0	40.4	19.59	15.6	40.5	—	—	—
Carpenters	11.38	10.2	39.7	11.33	10.4	39.7	—	—	—
Electricians	17.62	13.0	40.0	17.11	14.6	40.0	—	—	—
Electrician apprentices	10.07	5.2	40.0	10.07	5.2	40.0	—	—	—
Electrical power installers and repairers	17.72	13.3	40.0	19.85	12.5	40.0	—	—	—
Painters, construction and maintenance	10.40	3.9	38.1	10.40	3.9	38.1	—	—	—
Plumbers, pipefitters and steamfitters	14.34	8.4	40.0	14.34	8.4	40.0	—	—	—
Plumber, pipefitter, and steamfitter apprentices	9.20	5.2	40.0	9.20	5.2	40.0	—	—	—
Insulation workers	11.38	8.3	33.5	11.38	8.3	33.5	—	—	—
Structural metal workers	14.91	6.4	40.0	14.91	6.4	40.0	—	—	—
Construction trades, n.e.c.	12.30	5.1	40.0	12.41	5.2	40.0	—	—	—
Supervisors, extractive	18.00	25.6	41.1	19.08	26.1	42.1	—	—	—
Drillers, oil well	14.53	33.7	40.2	14.53	33.7	40.2	—	—	—
Supervisors, production	20.33	6.5	40.1	20.74	7.3	40.1	—	—	—
Precision assemblers, metal	16.21	5.1	40.0	16.21	5.1	40.0	—	—	—
Boilermakers	16.28	10.9	40.0	16.28	10.9	40.0	—	—	—
Sheet metal workers	15.69	2.9	40.0	15.69	2.9	40.0	—	—	—
Cabinet makers and bench carpenters	9.98	9.4	40.0	9.98	9.4	40.0	—	—	—
Electrical and electronic equipment assemblers	9.49	4.8	40.0	9.58	7.8	40.0	—	—	—
Miscellaneous precision workers, n.e.c.	18.27	13.0	39.2	16.53	24.2	38.7	—	—	—
Food batchmakers	8.77	7.9	34.1	8.77	7.9	34.1	—	—	—
Inspectors, testers, and graders	16.49	3.1	41.4	16.49	3.1	41.4	—	—	—
Water and sewer treatment plant operators	12.34	9.7	39.5	12.34	9.7	39.5	—	—	—
Power plant operators	20.50	3.1	40.0	20.50	3.1	40.0	—	—	—
Stationary engineers	14.15	4.7	40.0	14.15	4.7	40.0	—	—	—
Miscellaneous plant and system operators, n.e.c.	21.59	2.3	39.9	21.77	2.5	39.9	—	—	—
Machine operators, assemblers, and inspectors	9.75	5.4	39.1	9.77	5.9	39.0	9.56	8.7	39.9
Lathe and turning machine operators	11.46	9.0	40.0	11.46	9.0	40.0	—	—	—
Punching and stamping press operators	—	—	—	9.55	7.4	40.0	—	—	—
Grinding, abrading, buffing, and polishing machine operators	10.31	7.0	40.0	9.36	12.5	40.0	—	—	—
Numerical control machine operators	14.12	5.5	40.0	14.12	5.5	40.0	—	—	—
Fabricating machine operators, n.e.c.	12.47	8.4	40.0	12.65	10.9	40.0	—	—	—
Molding and casting machine operators	12.26	12.7	39.6	9.85	17.6	39.2	—	—	—
Printing press operators	11.66	5.8	39.4	11.66	5.8	39.4	—	—	—
Textile sewing machine operators	7.65	3.7	40.0	7.65	3.7	40.0	—	—	—
Pressing machine operators	6.33	7.3	34.6	6.33	7.3	34.6	—	—	—
Laundry and dry cleaning machine operators	6.51	3.8	39.9	6.53	3.9	39.9	—	—	—
Packaging and filling machine operators	8.35	9.2	40.0	9.75	11.6	40.0	—	—	—
Mixing and blending machine operators	10.99	19.8	40.0	10.99	19.8	40.0	—	—	—

See footnotes at end of table.

TABLE 4-11. West South Central census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1999–Continued

Occupation ⁵	Total			Metropolitan			Nonmetropolitan		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)	
Blue collar –Continued									
Machine operators, assemblers, and inspectors									
–Continued									
Painting and paint spraying machine operators	\$12.22	10.4	40.0	\$12.22	10.4	40.0	–	–	–
Furnace, kiln, and oven operators, except food	9.21	21.9	40.0	9.21	21.9	40.0	–	–	–
Slicing and cutting machine operators	10.33	12.1	40.0	10.33	12.1	40.0	–	–	–
Photographic process machine operators	9.81	17.1	28.4	9.92	17.5	28.4	–	–	–
Miscellaneous machine operators, n.e.c.	10.57	5.2	39.8	10.65	6.6	39.7	\$10.29	4.1	40.0
Welders and cutters	12.65	3.8	40.0	12.63	3.9	40.0	–	–	–
Assemblers	9.23	14.6	39.2	9.23	14.6	39.2	–	–	–
Miscellaneous hand working, n.e.c.	9.91	7.8	36.0	9.33	10.4	34.6	–	–	–
Production inspectors, checkers and examiners	10.43	5.0	40.0	10.43	5.0	40.0	–	–	–
Production testers	–	–	–	13.44	11.3	39.7	–	–	–
Transportation and material moving	11.69	9.3	38.9	11.80	9.9	38.9	10.35	2.2	38.9
Supervisors, motor vehicle operators	12.50	8.9	40.2	14.25	11.6	40.4	–	–	–
Truck drivers	10.44	4.4	40.7	10.49	4.6	40.8	9.56	1.7	40.0
Driver-sales workers	10.59	13.0	41.0	10.59	13.0	41.0	–	–	–
Bus drivers	11.03	8.4	30.9	11.02	8.8	31.2	–	–	–
Taxicab drivers and chauffeurs	7.16	6.5	30.9	7.16	6.5	30.9	–	–	–
Motor transportation, n.e.c.	6.78	5.1	32.0	6.78	5.1	32.0	–	–	–
Ship captains and mates, except fishing boats	18.96	1.4	53.7	18.96	1.4	53.7	–	–	–
Sailors and deckhands	8.03	2.5	55.5	8.03	2.5	55.5	–	–	–
Supervisors, material moving equipment	17.27	7.1	40.8	17.72	7.8	40.9	–	–	–
Operating engineers	12.80	6.0	40.0	13.09	5.9	40.0	–	–	–
Crane and tower operators	15.66	6.9	40.0	15.66	6.9	40.0	–	–	–
Excavating and loading machine operators	9.94	4.5	40.0	9.94	4.5	40.0	–	–	–
Grader, dozer, and scrapper operators	11.52	5.2	40.0	12.52	3.8	40.0	10.41	3.1	40.0
Industrial truck and tractor equipment operators	10.03	9.2	39.7	10.03	9.2	39.7	–	–	–
Miscellaneous material moving equipment operators, n.e.c.	15.69	13.0	39.5	16.27	11.9	39.5	–	–	–
Handlers, equipment cleaners, helpers, and laborers	8.54	3.3	36.6	8.50	3.3	36.5	8.85	8.9	37.8
Supervisors, agriculture-related workers	11.11	17.2	39.2	11.11	17.2	39.2	–	–	–
Groundskeepers and gardeners, except farm	8.44	6.2	37.8	7.86	4.0	37.3	–	–	–
Animal caretakers, except farm	7.85	8.8	38.6	7.85	8.8	38.6	–	–	–
Supervisors, handlers, equipment cleaners, and laborers, n.e.c.	12.64	8.4	39.0	12.25	10.5	38.6	–	–	–
Helpers, mechanics and repairers	8.72	7.5	38.0	8.72	7.5	38.0	–	–	–
Helpers, construction trades	7.96	4.6	39.7	7.96	4.6	39.7	–	–	–
Construction laborers	7.47	5.4	39.8	7.53	5.7	39.8	–	–	–
Production helpers	8.42	6.0	39.8	8.41	6.2	39.8	–	–	–
Garbage collectors	9.04	5.7	36.9	9.04	5.7	36.9	–	–	–
Stock handlers and baggers	7.47	2.2	29.4	7.53	2.3	29.6	6.48	6.1	26.5
Machine feeders and offbearers	7.43	5.7	39.7	7.43	5.7	39.7	–	–	–
Freight, stock, and material handlers, n.e.c.	10.12	12.0	36.3	9.65	10.8	36.1	–	–	–
Garage and service station related	8.73	11.8	38.3	8.73	11.8	38.3	–	–	–
Vehicle washers and equipment cleaners	8.78	4.4	39.7	9.07	4.7	39.7	–	–	–
Hand packers and packagers	7.53	6.6	36.9	7.68	7.1	38.0	–	–	–
Laborers, except construction, n.e.c.	8.52	5.7	38.3	8.83	6.6	37.7	–	–	–
Service	7.67	4.1	32.8	7.67	4.5	32.7	7.66	3.4	34.2
Protective service	12.21	4.3	39.3	12.69	5.0	39.1	9.65	4.4	40.3
Supervisors, firefighters and fire prevention	18.98	12.2	49.0	18.98	12.2	49.0	–	–	–
Supervisors, police and detectives	17.11	8.8	40.1	19.02	6.2	40.2	–	–	–
Supervisors, guards	12.87	11.3	40.1	13.47	12.8	40.1	–	–	–
Firefighting	13.28	9.0	50.7	13.87	8.2	51.3	–	–	–
Police and detectives, public service	16.63	4.8	40.0	17.12	5.1	40.0	–	–	–
Sheriffs, bailiffs, and other law enforcement officers	14.13	6.2	39.8	15.92	6.6	39.6	–	–	–
Correctional institution officers	10.20	6.0	40.2	11.25	2.8	40.2	8.50	2.8	40.2
Crossing guards	6.44	8.0	17.3	6.44	8.0	17.3	–	–	–
Guards and police, except public service	8.41	6.3	35.3	8.39	6.4	35.2	–	–	–

See footnotes at end of table.

TABLE 4-11. West South Central census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1999—Continued

Occupation ⁵	Total			Metropolitan			Nonmetropolitan		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)	
Service —Continued									
Protective service —Continued									
Protective service, n.e.c.	\$8.04	9.0	34.5	\$8.04	9.0	34.5	—	—	—
Food service	5.97	3.3	31.5	5.90	3.4	31.5	\$7.10	8.4	31.3
Waiters, waitresses, and bartenders	3.63	5.6	30.7	3.61	6.0	30.8	—	—	—
Bartenders	5.36	6.0	29.8	5.36	6.0	29.8	—	—	—
Waiters and waitresses	3.14	6.0	30.4	3.14	6.1	30.6	—	—	—
Waiters/Waitresses' assistants	5.07	13.3	32.1	5.00	13.8	31.9	—	—	—
Other food service	6.85	3.9	31.8	6.81	4.1	31.8	7.43	6.5	32.1
Supervisors, food preparation and service	10.80	7.3	38.6	10.63	7.8	37.7	—	—	—
Cooks	6.98	6.0	34.4	6.96	6.2	34.3	—	—	—
Kitchen workers, food preparation	6.23	4.1	30.4	6.21	4.1	30.3	—	—	—
Food preparation, n.e.c.	6.18	2.8	29.8	6.19	3.1	30.8	6.14	5.9	24.1
Health service	7.72	2.7	33.1	7.96	3.3	33.7	6.64	3.2	30.9
Health aides, except nursing	8.47	2.9	35.8	8.47	3.1	35.5	—	—	—
Nursing aides, orderlies and attendants	7.42	3.0	34.4	7.75	3.7	36.1	6.40	2.5	30.0
Cleaning and building service	7.55	2.9	35.3	7.59	3.0	35.0	7.31	7.3	37.5
Supervisors, cleaning and building service workers	10.81	4.2	39.8	10.87	4.3	39.8	—	—	—
Maids and housemen	6.07	2.1	34.4	6.17	1.9	34.6	—	—	—
Janitors and cleaners	7.55	3.0	35.1	7.53	3.3	34.5	7.66	6.0	38.7

See footnotes at end of table.

TABLE 4-11. West South Central census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1999–Continued

Occupation ⁵	Total			Metropolitan			Nonmetropolitan		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)	
Service –Continued									
Personal service	\$7.10	7.4	28.8	\$7.09	7.8	28.6	\$7.30	6.8	30.5
Supervisors, personal service	9.96	13.7	39.6	9.96	13.7	39.6	–	–	–
Attendants, amusement, and recreation facilities	7.11	7.6	33.3	7.12	8.5	32.6	–	–	–
Public transportation attendants	32.43	9.9	18.6	33.04	9.7	18.5	–	–	–
Baggage porters and bellhops	4.75	15.9	39.3	4.75	15.9	39.3	–	–	–
Welfare service aides	5.60	4.0	23.7	5.56	3.9	23.5	–	–	–
Early childhood teachers' assistants	6.20	6.2	33.5	5.98	5.4	33.5	–	–	–
Child care workers, n.e.c.	5.85	6.4	33.5	5.83	6.7	34.0	–	–	–
Service, n.e.c.	7.50	7.1	25.5	7.50	7.1	25.5	–	–	–

¹ The West South Central census division consists of Arkansas, Louisiana, Oklahoma, and Texas.

² 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.

³ Metropolitan areas can be a Metropolitan Statistical Area (MSA) or Consolidated Metropolitan Statistical Area (CMSA) as defined by the Office of Management and Budget, 1994. Nonmetropolitan areas are counties that do not fit the definitions above. For more information, see appendix E.

⁴ In this census division, collection was conducted between October 1998 and April

2000. The average reference period was August 1999. For the first time, estimates include workers in private establishments employing fewer than 50 workers.

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

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, and n.e.c. means "not elsewhere classified." Overall occupational groups may include data for categories not shown separately.

TABLE 4-12. Mountain census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1999

Occupation ⁵	Total			Metropolitan			Nonmetropolitan		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)	
All	\$14.10	2.9	35.7	\$13.94	3.2	35.6	\$15.78	2.4	36.2
All, excluding sales	14.19	2.6	35.7	14.00	3.0	35.7	16.00	2.6	36.3
White collar	16.84	4.1	36.2	16.57	4.3	36.2	19.54	4.8	36.6
White collar, excluding sales	17.64	3.6	36.5	17.34	3.9	36.4	20.16	3.3	36.8
Professional specialty and technical	23.80	3.8	35.9	23.58	4.1	35.8	25.03	6.4	36.2
Professional specialty	25.60	3.7	35.9	25.24	3.9	35.7	27.50	7.9	37.1
Engineers, architects, and surveyors	27.52	2.8	40.7	28.14	3.9	40.6	-	-	-
Civil engineers	25.40	5.6	41.5	27.14	5.2	41.5	-	-	-
Electrical and electronic engineers	29.08	10.9	40.3	29.28	11.1	40.3	-	-	-
Industrial engineers	26.90	4.7	41.7	26.90	4.7	41.7	-	-	-
Mechanical engineers	28.79	3.5	40.7	28.79	3.5	40.7	-	-	-
Engineers, n.e.c.	27.17	4.7	40.1	27.33	5.7	40.2	-	-	-
Mathematical and computer scientists	25.99	5.7	40.6	26.24	5.8	40.6	-	-	-
Computer systems analysts and scientists	27.64	5.5	40.6	28.02	5.4	40.7	-	-	-
Operations and systems researchers and analysts	18.42	9.9	40.4	18.42	9.9	40.4	-	-	-
Natural scientists	26.40	4.7	39.6	27.34	5.2	39.5	-	-	-
Biological and life scientists	29.57	9.8	40.5	32.05	7.6	40.6	-	-	-
Medical scientists	22.57	10.4	35.1	22.57	10.4	35.1	-	-	-
Health related	25.80	7.8	36.4	24.63	7.7	36.6	35.63	16.8	34.5
Registered nurses	20.42	2.0	35.1	18.67	7.3	35.5	-	-	-
Pharmacists	32.13	6.3	36.9	32.39	7.0	36.4	-	-	-
Dietitians	18.40	4.2	37.6	18.40	4.2	37.6	-	-	-
Respiratory therapists	15.92	2.6	34.4	15.92	2.6	34.4	-	-	-
Occupational therapists	24.32	5.6	36.9	24.32	5.6	36.9	-	-	-
Physical therapists	24.04	1.1	33.2	24.04	1.1	33.2	-	-	-
Speech therapists	18.33	28.1	36.3	14.11	22.4	35.8	-	-	-
Teachers, college and university	33.53	12.2	27.4	34.01	13.5	26.7	-	-	-
Computer science teachers	25.39	5.4	33.2	25.24	5.4	35.2	-	-	-
Health specialties teachers	50.53	16.0	30.6	50.53	16.0	30.6	-	-	-
Business, commerce, and marketing teachers	31.16	5.2	39.1	30.26	2.2	39.4	-	-	-
English teachers	33.20	18.5	31.7	24.56	15.3	30.0	-	-	-
Other post-secondary teachers	29.68	14.8	21.1	31.57	14.8	19.1	-	-	-
Teachers, except college and university	23.35	2.9	35.9	22.99	2.1	35.5	24.08	6.8	37.0
Prekindergarten and kindergarten	18.65	20.1	35.9	16.34	24.5	35.2	-	-	-
Elementary school teachers	24.21	3.7	37.0	24.27	3.5	36.7	24.12	7.8	37.4
Secondary school teachers	25.52	2.7	38.6	26.24	2.4	38.9	24.35	6.6	38.3
Teachers, special education	17.09	23.9	38.1	14.31	23.2	39.3	-	-	-
Teachers, n.e.c.	21.66	5.2	29.4	21.66	5.2	29.4	-	-	-
Substitute teachers	9.74	4.9	11.9	9.98	6.6	10.2	-	-	-
Vocational and educational counselors	22.72	12.9	37.8	22.72	12.9	37.8	-	-	-
Librarians, archivists, and curators	17.23	17.4	40.0	20.73	9.8	40.0	-	-	-
Librarians	17.23	17.4	40.0	20.73	9.8	40.0	-	-	-
Social scientists and urban planners	23.06	9.9	37.9	22.38	15.2	36.9	-	-	-
Psychologists	21.12	11.5	36.8	17.76	11.7	34.6	-	-	-
Social, recreation, and religious workers	14.65	12.7	36.5	14.19	14.2	36.1	-	-	-
Social workers	14.52	14.0	36.6	13.98	15.7	36.1	-	-	-
Recreation workers	15.91	11.3	35.9	15.91	11.3	35.9	-	-	-
Lawyers and judges	35.98	10.3	46.9	32.76	6.0	48.1	-	-	-
Lawyers	32.76	6.0	48.6	32.76	6.0	48.6	-	-	-
Writers, authors, entertainers, athletes, and professionals, n.e.c.	20.14	12.5	28.7	20.22	12.7	28.6	-	-	-
Technical writers	21.39	16.8	40.0	21.39	16.8	40.0	-	-	-
Designers	13.45	12.4	29.8	13.45	12.4	29.8	-	-	-
Editors and reporters	18.99	4.9	38.8	19.17	4.9	39.1	-	-	-
Public relations specialists	39.20	12.1	39.9	39.20	12.1	39.9	-	-	-
Professional, n.e.c.	31.38	8.0	33.7	31.38	8.0	33.7	-	-	-
Technical	18.60	5.7	35.7	19.02	6.1	36.1	15.51	8.4	33.3
Clinical laboratory technologists and technicians	14.70	9.2	38.6	14.55	9.2	38.7	-	-	-
Radiological technicians	15.61	9.8	35.2	15.61	9.8	35.2	-	-	-
Licensed practical nurses	13.36	4.6	32.9	13.40	5.5	32.9	13.19	6.5	32.6
Health technologists and technicians, n.e.c.	12.51	10.1	27.8	12.63	10.6	31.6	-	-	-
Electrical and electronic technicians	17.09	10.8	38.5	17.35	10.9	38.5	-	-	-
Engineering technicians, n.e.c.	17.46	10.6	39.1	18.32	11.4	38.9	-	-	-

See footnotes at end of table.

TABLE 4-12. Mountain census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1999—Continued

Occupation ⁵	Total			Metropolitan			Nonmetropolitan		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)	
White collar —Continued									
Professional specialty and technical —Continued									
Technical —Continued									
Drafters	\$19.72	4.3	39.5	\$19.62	5.7	39.4	—	—	—
Surveying and mapping technicians	19.33	9.0	40.0	19.33	9.0	40.0	—	—	—
Biological technicians	16.82	3.8	38.7	16.82	3.8	38.7	—	—	—
Chemical technicians	17.83	6.5	40.0	17.83	6.5	40.0	—	—	—
Computer programmers	22.98	5.9	40.0	22.98	5.9	40.0	—	—	—
Legal assistants	17.82	10.0	40.8	18.23	10.6	40.9	—	—	—
Technical and related, n.e.c.	18.54	4.6	40.0	18.42	7.1	40.0	—	—	—
Executive, administrative, and managerial	23.00	3.1	41.3	22.90	2.8	41.6	\$23.83	9.4	39.4
Executives, administrators, and managers	24.51	4.3	41.9	24.50	3.9	42.1	24.53	11.8	40.2
Administrators and officials, public administration ...	24.59	6.8	40.7	27.03	5.7	41.3	21.88	16.7	40.0
Financial managers	27.08	6.7	41.7	26.52	7.6	42.1	—	—	—
Personnel and labor relations managers	33.04	8.9	40.4	33.04	8.9	40.4	—	—	—
Purchasing managers	17.30	14.7	45.9	—	—	—	—	—	—
Managers, marketing, advertising, and public relations	25.73	7.7	42.1	25.73	7.7	42.1	—	—	—
Administrators, education and related fields	33.01	8.0	40.5	32.23	11.8	40.7	—	—	—
Managers, medicine and health	24.03	19.5	39.9	30.72	7.8	39.7	—	—	—
Managers, food servicing and lodging establishments	15.14	6.5	43.4	15.14	6.5	43.4	—	—	—
Managers, properties and real estate	20.78	17.1	40.0	20.78	17.1	40.0	—	—	—
Managers, service organizations, n.e.c.	22.19	6.1	46.8	22.98	5.7	47.8	—	—	—
Managers and administrators, n.e.c.	24.39	7.7	41.8	24.49	8.1	41.8	—	—	—
Management related	19.54	2.1	40.2	19.49	2.2	40.4	20.48	9.3	36.3
Accountants and auditors	17.20	7.7	41.4	17.31	8.2	41.4	—	—	—
Other financial officers	22.71	8.0	40.7	22.85	8.2	40.7	—	—	—
Management analysts	22.03	11.7	40.1	22.03	11.7	40.1	—	—	—
Personnel, training, and labor relations specialists ..	18.28	6.1	40.8	18.36	6.2	40.9	—	—	—
Purchasing agents and buyers, n.e.c.	24.04	12.0	39.7	24.04	12.0	39.7	—	—	—
Construction inspectors	22.15	12.4	40.0	22.15	12.4	40.0	—	—	—
Inspectors and compliance officers, except construction	21.72	8.9	35.7	22.93	8.0	40.0	—	—	—
Management related, n.e.c.	20.03	5.0	39.9	19.63	5.0	39.9	—	—	—
Sales	13.32	8.0	35.1	13.44	8.3	35.1	8.62	5.9	33.5
Supervisors, sales	17.28	7.4	42.8	17.41	7.8	43.0	—	—	—
Insurance sales	32.45	28.6	43.6	32.45	28.6	43.6	—	—	—
Real estate sales	14.71	23.4	32.7	14.71	23.4	32.7	—	—	—
Advertising and related sales	11.14	18.6	33.0	11.14	18.6	33.0	—	—	—
Sales, other business services	20.51	10.0	35.0	20.51	10.0	35.0	—	—	—
Sales representatives, mining, manufacturing, and wholesale	25.93	37.5	40.3	25.93	37.5	40.3	—	—	—
Sales workers, motor vehicles and boats	17.17	8.0	46.4	17.17	8.0	46.4	—	—	—
Sales workers, apparel	7.46	8.6	24.9	7.64	8.6	24.9	—	—	—
Sales workers, furniture and home furnishings	8.51	31.3	26.7	11.00	43.4	28.4	—	—	—
Sales workers, hardware and building supplies	10.32	10.4	41.1	10.32	10.4	41.1	—	—	—
Sales workers, parts	13.53	5.0	39.7	13.53	5.0	39.7	—	—	—
Sales workers, other commodities	10.27	7.9	30.1	10.33	8.2	30.0	—	—	—
Sales counter clerks	7.47	3.9	38.2	7.47	3.9	38.2	—	—	—
Cashiers	7.95	4.4	32.6	8.00	4.8	32.4	—	—	—
Sales support, n.e.c.	12.28	16.6	31.8	12.28	16.6	31.8	—	—	—
Administrative support, including clerical	11.26	2.7	35.5	11.29	3.0	35.4	10.76	5.5	36.4
Supervisors, general office	13.49	7.7	40.0	13.45	7.8	40.0	—	—	—
Supervisors, financial records processing	16.75	13.3	40.2	16.75	13.3	40.2	—	—	—
Supervisors, distribution, scheduling, and adjusting clerks	18.31	9.0	42.2	18.31	9.0	42.2	—	—	—
Computer operators	15.62	6.1	40.0	15.62	6.1	40.0	—	—	—
Secretaries	11.35	4.3	37.2	11.54	5.0	37.1	8.95	9.8	38.0
Stenographers	13.22	3.9	37.0	13.22	3.9	37.0	—	—	—

See footnotes at end of table.

TABLE 4-12. Mountain census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1999—Continued

Occupation ⁵	Total			Metropolitan			Nonmetropolitan		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)	
White collar —Continued									
Administrative support, including clerical —Continued									
Typists	\$11.76	2.0	39.0	\$11.44	2.9	38.0	—	—	—
Interviewers	10.46	6.3	35.8	10.06	6.2	35.0	—	—	—
Hotel clerks	9.36	9.3	36.6	—	—	—	—	—	—
Transportation ticket and reservation agents	10.63	10.4	36.1	10.63	10.4	36.1	—	—	—
Receptionists	8.85	6.2	27.6	8.87	6.5	27.3	—	—	—
Correspondence clerks	11.27	7.5	39.6	11.27	7.5	39.6	—	—	—
Order clerks	9.74	6.7	39.0	9.63	6.4	39.0	—	—	—
Personnel clerks, except payroll and timekeeping ...	13.10	6.9	39.9	13.10	6.9	39.9	—	—	—
Library clerks	11.12	6.8	32.8	11.00	9.9	31.8	—	—	—
File clerks	10.29	4.5	28.0	10.34	4.3	28.0	—	—	—
Records clerks, n.e.c.	12.53	3.6	37.4	12.59	3.7	37.2	—	—	—
Bookkeepers, accounting and auditing clerks	11.44	5.4	37.2	11.44	5.4	37.2	—	—	—
Payroll and timekeeping clerks	12.23	12.5	40.0	12.23	12.5	40.0	—	—	—
Office machine operators, n.e.c.	8.10	5.9	35.9	8.23	6.6	39.0	—	—	—
Telephone operators	13.22	7.5	38.5	14.12	5.0	38.3	—	—	—
Mail clerks, except postal service	10.86	9.3	34.8	10.86	9.3	34.8	—	—	—
Dispatchers	11.87	12.7	38.8	12.94	12.3	37.9	—	—	—
Production coordinators	13.88	14.1	30.9	13.88	14.1	30.9	—	—	—
Traffic, shipping and receiving clerks	12.05	11.6	34.3	12.22	12.1	34.0	—	—	—
Stock and inventory clerks	11.27	4.7	35.6	11.32	4.8	35.7	—	—	—
Meter readers	14.57	4.1	40.0	14.27	3.6	40.0	—	—	—
Insurance adjusters, examiners, and investigators ..	15.60	11.0	39.3	15.67	12.0	39.2	—	—	—
Investigators and adjusters, except insurance	11.54	6.7	39.6	11.77	7.7	39.6	—	—	—
Eligibility clerks, social welfare	13.32	7.8	35.8	13.32	7.8	35.8	—	—	—
Bill and account collectors	12.17	6.7	39.3	11.56	7.0	39.2	—	—	—
General office clerks	11.39	4.8	37.0	11.26	5.2	36.7	\$12.58	4.6	39.9
Bank tellers	9.25	11.1	29.9	9.25	11.1	29.9	—	—	—
Data entry keyers	9.19	6.0	38.6	9.28	6.4	38.5	—	—	—
Teachers' aides	8.19	3.6	24.4	8.09	3.5	25.4	8.28	5.5	23.6
Administrative support, n.e.c.	11.05	5.5	34.2	10.91	5.5	34.2	—	—	—
Blue collar	12.95	2.8	37.9	12.87	2.7	37.8	14.17	12.4	38.9
Precision production, craft, and repair									
Supervisors, mechanics and repairers	24.76	6.2	40.3	24.79	6.7	40.4	—	—	—
Automobile mechanics	14.95	13.1	40.1	14.95	13.1	40.1	—	—	—
Bus, truck, and stationary engine mechanics	16.50	2.5	40.0	16.50	2.5	40.0	—	—	—
Aircraft engine mechanics	18.92	9.2	40.0	18.92	9.2	40.0	—	—	—
Heavy equipment mechanics	16.68	4.5	39.8	17.90	4.7	39.5	—	—	—
Industrial machinery repairers	21.09	8.6	39.9	19.08	1.9	39.9	—	—	—
Machinery maintenance	14.05	8.8	40.0	14.05	8.8	40.0	—	—	—
Heating, air conditioning, and refrigeration mechanics	15.22	7.7	40.0	15.22	7.7	40.0	—	—	—
Mechanics and repairers, n.e.c.	16.48	5.8	40.0	15.86	4.3	40.0	—	—	—
Supervisors, electricians and power transmission installers	23.89	11.0	42.4	22.13	15.0	43.6	—	—	—
Supervisors, construction trades, n.e.c.	16.75	7.0	40.0	16.75	7.0	40.0	—	—	—
Carpenters	16.52	5.8	40.0	16.88	5.6	40.0	—	—	—
Electricians	19.45	6.2	40.0	19.40	6.5	39.9	—	—	—
Electrical power installers and repairers	25.69	4.2	40.0	25.65	5.0	40.0	—	—	—
Painters, construction and maintenance	11.90	14.0	39.7	11.90	14.0	39.7	—	—	—
Plumbers, pipefitters and steamfitters	19.22	5.3	39.9	19.22	5.3	39.9	—	—	—
Plumber, pipefitter, and steamfitter apprentices	10.82	18.6	40.0	10.82	18.6	40.0	—	—	—
Structural metal workers	14.74	8.2	40.2	14.74	8.2	40.2	—	—	—
Supervisors, production	18.04	16.0	40.4	18.21	16.5	40.2	—	—	—
Machinists	16.90	4.8	40.0	16.90	4.8	40.0	—	—	—
Cabinet makers and bench carpenters	11.23	8.9	40.0	11.23	8.9	40.0	—	—	—
Electrical and electronic equipment assemblers	11.96	7.8	39.7	12.64	12.9	39.7	—	—	—
Butchers and meat cutters	12.81	6.9	36.0	12.81	6.9	36.0	—	—	—
Bakers	11.91	22.0	40.0	12.15	23.2	40.0	—	—	—
Food batchmakers	9.35	13.4	33.6	9.35	13.4	33.6	—	—	—

See footnotes at end of table.

TABLE 4-12. Mountain census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1999—Continued

Occupation ⁵	Total			Metropolitan			Nonmetropolitan		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)	
Blue collar—Continued									
Precision production, craft, and repair—Continued									
Inspectors, testers, and graders	\$18.13	8.0	40.4	\$18.13	8.0	40.4	—	—	—
Miscellaneous plant and system operators, n.e.c.	23.59	3.4	40.0	23.59	3.4	40.0	—	—	—
Machine operators, assemblers, and inspectors	10.35	6.6	38.2	10.25	6.6	38.3	\$13.42	14.2	37.7
Fabricating machine operators, n.e.c.	12.24	4.9	40.0	12.24	4.9	40.0	—	—	—
Printing press operators	16.49	2.7	39.8	16.49	2.7	39.8	—	—	—
Laundry and dry cleaning machine operators	8.14	2.3	38.3	8.13	2.4	39.4	—	—	—
Mixing and blending machine operators	9.76	18.2	40.0	9.76	18.2	40.0	—	—	—
Painting and paint spraying machine operators	11.40	4.2	40.0	11.40	4.2	40.0	—	—	—
Miscellaneous machine operators, n.e.c.	12.26	7.9	39.4	12.38	8.2	39.4	—	—	—
Welders and cutters	12.69	13.1	40.4	11.73	11.1	40.4	—	—	—
Assemblers	9.40	5.4	39.6	9.40	5.4	39.6	—	—	—
Production inspectors, checkers and examiners	11.60	6.5	38.9	11.60	6.5	38.9	—	—	—
Transportation and material moving	12.92	5.8	37.5	12.71	6.3	37.5	14.44	17.2	37.5
Supervisors, motor vehicle operators	17.28	6.8	45.7	17.28	6.8	45.7	—	—	—
Truck drivers	12.85	8.8	39.8	12.84	8.9	39.9	—	—	—
Driver-sales workers	5.87	7.6	22.9	5.87	7.6	22.9	—	—	—
Bus drivers	10.65	6.8	29.6	10.47	7.4	31.7	—	—	—
Taxicab drivers and chauffeurs	7.83	3.4	35.1	—	—	—	—	—	—
Motor transportation, n.e.c.	7.25	3.1	31.5	7.25	3.1	31.5	—	—	—
Supervisors, material moving equipment	19.92	8.1	40.0	20.84	7.9	40.0	—	—	—
Operating engineers	10.44	8.4	40.0	—	—	—	—	—	—
Grader, dozer, and scraper operators	16.28	1.7	40.0	—	—	—	—	—	—
Industrial truck and tractor equipment operators	14.70	16.3	39.8	11.79	14.6	39.6	—	—	—
Miscellaneous material moving equipment operators, n.e.c.	14.85	13.0	40.0	16.06	15.6	40.0	—	—	—
Handlers, equipment cleaners, helpers, and laborers ...	9.05	2.3	34.1	9.05	2.7	33.8	8.97	5.1	39.7
Groundskeepers and gardeners, except farm	8.79	6.5	29.6	8.69	8.8	28.0	—	—	—
Supervisors, handlers, equipment cleaners, and laborers, n.e.c.	16.07	11.3	40.0	16.07	11.3	40.0	—	—	—
Helpers, construction trades	8.83	10.3	40.0	8.83	10.3	40.0	—	—	—
Construction laborers	10.17	7.3	39.3	10.15	7.5	39.4	—	—	—
Production helpers	9.29	2.4	31.2	—	—	—	—	—	—
Stock handlers and baggers	7.87	6.0	27.9	7.87	6.0	27.9	—	—	—
Machine feeders and offbearers	11.35	10.1	40.0	11.35	10.1	40.0	—	—	—
Freight, stock, and material handlers, n.e.c.	9.54	7.8	37.7	9.77	8.8	37.6	—	—	—
Garage and service station related	8.71	10.1	26.2	8.71	10.1	26.2	—	—	—
Vehicle washers and equipment cleaners	7.73	8.8	37.0	7.21	6.8	36.7	—	—	—
Hand packers and packagers	9.25	6.7	38.6	9.29	7.4	38.5	—	—	—
Laborers, except construction, n.e.c.	8.65	4.8	33.3	8.55	5.1	32.7	—	—	—
Service	8.38	1.8	31.8	8.27	2.1	31.5	9.26	6.9	34.0
Protective service	14.05	6.1	37.4	13.97	7.9	36.6	14.32	3.7	39.8
Supervisors, firefighters and fire prevention	22.72	8.0	51.4	22.72	8.0	51.4	—	—	—
Supervisors, police and detectives	22.04	9.4	41.2	22.04	9.4	41.2	—	—	—
Supervisors, guards	12.85	16.5	36.3	12.85	16.5	36.3	—	—	—
Firefighting	14.53	5.7	47.9	14.88	7.5	49.1	—	—	—
Police and detectives, public service	19.29	5.8	39.3	20.34	6.1	39.2	—	—	—
Sheriffs, bailiffs, and other law enforcement officers	17.56	4.8	40.0	18.93	2.3	40.0	—	—	—
Correctional institution officers	13.62	11.9	40.0	—	—	—	—	—	—
Guards and police, except public service	8.47	3.1	33.4	8.51	3.3	33.2	—	—	—
Protective service, n.e.c.	12.54	9.1	31.5	11.59	16.4	28.6	—	—	—
Food service	6.99	4.1	30.3	7.01	4.6	30.2	6.63	5.3	31.5
Waiters, waitresses, and bartenders	5.08	7.5	25.9	5.05	8.3	25.4	5.38	1.9	35.7
Bartenders	7.02	3.5	29.0	7.05	3.5	28.9	—	—	—
Waiters and waitresses	4.46	8.7	25.6	4.38	10.0	25.0	—	—	—
Waiters/Waitresses' assistants	5.22	4.8	23.6	5.23	5.3	22.5	—	—	—
Other food service	7.82	4.4	32.7	7.86	4.9	33.0	7.32	2.7	29.5

See footnotes at end of table.

TABLE 4-12. Mountain census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1999–Continued

Occupation ⁵	Total			Metropolitan			Nonmetropolitan		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)	
Service –Continued									
Food service –Continued									
Other food service –Continued									
Supervisors, food preparation and service	\$11.51	7.5	40.6	\$11.51	7.5	40.6	–	–	–
Cooks	8.71	5.8	34.0	8.78	6.2	34.7	–	–	–
Kitchen workers, food preparation	7.26	4.9	32.6	7.11	6.8	31.6	–	–	–
Food preparation, n.e.c.	6.45	4.7	31.7	6.44	4.9	31.7	–	–	–
Health service	8.98	7.4	31.6	9.32	6.3	32.5	\$8.09	4.9	29.3
Health aides, except nursing	8.46	4.3	32.1	9.02	5.7	32.2	–	–	–
Nursing aides, orderlies and attendants	8.46	3.7	30.7	8.58	3.7	31.8	8.16	5.3	28.1
Cleaning and building service	8.43	1.7	32.7	8.31	1.9	32.1	9.31	4.3	38.5
Supervisors, cleaning and building service workers	12.73	6.0	40.0	12.15	7.2	40.0	–	–	–
Maids and housemen	7.49	3.9	31.6	7.58	3.5	31.3	–	–	–
Janitors and cleaners	8.50	1.7	32.8	8.38	1.8	32.1	9.42	5.4	39.1
Personal service	7.91	3.1	32.0	8.03	3.3	31.7	6.52	8.7	35.0
Supervisors, personal service	10.46	12.4	40.1	10.46	12.4	40.1	–	–	–
Attendants, amusement, and recreation facilities	6.32	.9	36.2	6.36	.7	35.8	–	–	–
Public transportation attendants	23.78	7.4	20.6	23.78	7.4	20.6	–	–	–
Baggage porters and bellhops	8.12	21.0	37.9	8.12	21.0	37.9	–	–	–
Welfare service aides	8.47	6.1	33.4	8.87	9.1	32.3	–	–	–
Early childhood teachers' assistants	6.86	1.0	29.1	6.89	1.2	29.6	–	–	–
Child care workers, n.e.c.	7.29	11.5	20.7	8.04	10.7	18.3	–	–	–
Service, n.e.c.	7.01	8.2	28.7	7.04	8.5	28.7	–	–	–

¹ The Mountain census division consists of Montana, Idaho, Wyoming, Colorado, New Mexico, Arizona, Utah, and Nevada.

² 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.

³ Metropolitan areas can be a Metropolitan Statistical Area (MSA) or Consolidated Metropolitan Statistical Area (CMSA) as defined by the Office of Management and Budget, 1994. Nonmetropolitan areas are counties that do not fit the definitions above. For more information, see appendix E.

⁴ In this census division, collection was conducted between January 1999 and April

2000. The average reference period was October 1999. For the first time, estimates include workers in private establishments employing fewer than 50 workers.

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

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, and n.e.c. means "not elsewhere classified." Overall occupational groups may include data for categories not shown separately.

TABLE 4-13. Pacific census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1999

Occupation ⁵	Total			Metropolitan			Nonmetropolitan		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)	
All	\$16.87	1.7	35.3	\$16.92	1.8	35.3	\$15.45	4.7	36.8
All, excluding sales	17.20	1.8	35.5	17.27	1.9	35.5	15.41	4.7	36.9
White collar	20.12	2.2	35.7	20.15	2.2	35.7	18.93	3.3	36.7
White collar, excluding sales	21.49	2.3	36.2	21.57	2.4	36.2	19.04	3.8	36.9
Professional specialty and technical	25.88	4.6	35.6	25.97	4.8	35.6	23.42	3.7	34.7
Professional specialty	27.06	6.1	35.4	27.14	6.3	35.4	25.03	2.9	33.9
Engineers, architects, and surveyors	30.15	6.1	40.4	30.26	6.2	40.4	23.32	6.0	39.8
Aerospace engineers	34.90	3.9	40.4	34.90	3.9	40.4	-	-	-
Petroleum engineers	37.34	9.5	40.2	37.34	9.5	40.2	-	-	-
Nuclear engineers	33.90	2.3	41.0	33.90	2.3	41.0	-	-	-
Civil engineers	26.51	7.8	40.6	27.09	8.1	40.7	21.99	4.4	40.0
Electrical and electronic engineers	34.20	3.1	41.0	34.20	3.1	41.0	-	-	-
Industrial engineers	28.91	6.8	40.8	28.91	6.8	40.8	-	-	-
Mechanical engineers	28.02	8.2	40.5	28.02	8.2	40.5	-	-	-
Engineers, n.e.c.	34.55	2.1	40.0	34.62	2.1	40.0	-	-	-
Mathematical and computer scientists	30.82	2.3	40.6	30.83	2.3	40.7	-	-	-
Computer systems analysts and scientists	30.93	2.4	40.7	30.93	2.4	40.7	-	-	-
Operations and systems researchers and analysts	29.51	6.2	40.0	29.51	6.2	40.0	-	-	-
Natural scientists	26.83	4.0	40.7	27.02	4.3	40.8	24.74	6.5	39.6
Chemists, except biochemists	29.15	9.2	40.7	29.15	9.2	40.7	-	-	-
Geologists and geodesists	22.70	15.9	47.5	22.70	15.9	47.5	-	-	-
Physical scientists, n.e.c.	28.93	7.8	40.0	28.93	7.8	40.0	-	-	-
Agricultural and food scientists	24.39	11.7	40.1	23.13	14.3	40.1	-	-	-
Biological and life scientists	24.64	3.8	39.8	25.22	4.6	39.9	-	-	-
Forestry and conservation scientists	22.03	4.9	40.5	-	-	-	-	-	-
Medical scientists	26.26	6.4	40.2	26.26	6.4	40.2	-	-	-
Health related	26.62	1.9	33.4	26.78	1.9	33.3	24.28	9.8	34.3
Physicians	44.92	12.4	36.9	42.88	13.1	36.7	-	-	-
Registered nurses	25.68	1.6	32.7	25.93	1.7	32.7	22.03	1.7	32.9
Pharmacists	35.92	5.3	35.1	36.10	5.3	35.1	-	-	-
Dietitians	20.06	5.0	36.7	20.06	5.0	36.7	-	-	-
Respiratory therapists	20.48	4.4	36.9	21.18	4.9	36.0	-	-	-
Occupational therapists	25.65	7.6	35.7	25.65	7.6	35.7	-	-	-
Physical therapists	24.38	3.4	33.1	24.49	3.8	32.5	-	-	-
Speech therapists	27.12	9.8	37.9	27.12	9.8	37.9	-	-	-
Therapists, n.e.c.	19.50	6.9	36.0	19.50	6.9	36.0	-	-	-
Physicians' assistants	26.12	22.4	40.0	25.15	26.8	40.0	-	-	-
Teachers, college and university	37.61	4.1	25.9	37.98	4.1	25.8	30.06	3.2	27.3
Earth, environmental, and marine science teachers	26.21	11.3	37.1	26.21	11.3	37.1	-	-	-
Biological science teachers	44.64	20.3	29.8	44.64	20.3	29.8	-	-	-
Chemistry teachers	62.39	24.7	39.6	62.39	24.7	39.6	-	-	-
Psychology teachers	32.42	8.6	22.3	32.42	8.6	22.3	-	-	-
Social science teachers, n.e.c.	34.46	6.0	36.0	34.82	6.6	35.8	-	-	-
Engineering teachers	47.52	6.4	40.4	47.52	6.4	40.4	-	-	-
Mathematical science teachers	41.65	8.0	25.0	41.91	8.0	26.9	-	-	-
Computer science teachers	30.31	13.0	30.4	30.31	13.0	30.4	-	-	-
Medical science teachers	57.40	38.8	32.3	57.40	38.8	32.3	-	-	-
Health specialties teachers	26.51	12.2	32.2	26.51	12.2	32.2	-	-	-
Business, commerce, and marketing teachers	43.32	9.9	29.1	43.32	9.9	29.1	-	-	-
Art, drama, and music teachers	35.20	4.5	24.3	35.23	4.6	25.1	-	-	-
Physical education teachers	38.34	9.8	14.2	41.27	5.9	15.1	-	-	-
Education teachers	38.87	24.8	30.9	44.49	34.1	27.1	-	-	-
English teachers	34.20	3.8	26.5	34.83	4.4	24.6	-	-	-
Foreign language teachers	34.50	7.4	24.4	34.87	7.6	26.1	-	-	-
Trade and industrial teachers	33.03	7.2	26.6	33.03	7.2	26.6	-	-	-
Other post-secondary teachers	34.05	3.3	22.7	34.23	3.4	22.4	-	-	-
Teachers, except college and university	29.82	2.3	33.5	30.03	2.4	33.5	26.79	3.6	33.2
Prekindergarten and kindergarten	17.96	13.4	34.1	17.78	13.8	34.9	-	-	-
Elementary school teachers	32.28	2.4	35.0	32.51	2.5	34.9	27.97	3.7	38.2
Secondary school teachers	32.36	1.9	36.0	32.69	1.9	35.9	27.83	2.1	37.4
Teachers, special education	29.83	4.5	34.1	29.83	4.6	34.0	-	-	-
Teachers, n.e.c.	26.95	9.4	29.0	27.07	11.1	28.8	26.29	6.3	30.0
Substitute teachers	15.97	5.3	15.4	15.98	5.4	16.0	-	-	-

See footnotes at end of table.

TABLE 4-13. Pacific census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1999—Continued

Occupation ⁵	Total			Metropolitan			Nonmetropolitan		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)	
White collar —Continued									
Professional specialty and technical —Continued									
Professional specialty—Continued									
Teachers, except college and university—Continued									
Vocational and educational counselors	\$25.89	7.6	37.4	\$26.41	7.9	37.3	—	—	—
Librarians, archivists, and curators	23.27	14.9	38.7	22.66	15.5	38.8	—	—	—
Librarians	27.49	5.8	37.1	26.92	6.0	37.1	—	—	—
Social scientists and urban planners	25.61	3.9	38.7	25.61	3.9	38.7	—	—	—
Economists	30.67	6.5	41.8	30.67	6.5	41.8	—	—	—
Urban planners	24.39	5.4	39.5	24.39	5.4	39.5	—	—	—
Social, recreation, and religious workers	—	—	—	—	—	—	\$17.56	4.3	32.2
Social workers	—	—	—	—	—	—	18.88	4.9	40.0
Recreation workers	15.07	9.4	31.9	15.65	9.6	36.5	—	—	—
Lawyers and judges	44.06	7.1	40.5	45.04	7.0	40.6	—	—	—
Lawyers	44.38	7.2	40.6	45.01	7.1	40.6	—	—	—
Writers, authors, entertainers, athletes, and professionals, n.e.c.	28.12	11.7	35.7	28.27	11.8	36.1	—	—	—
Technical writers	30.02	17.0	39.4	30.02	17.0	39.4	—	—	—
Designers	26.85	13.2	40.5	26.85	13.2	40.5	—	—	—
Actors and directors	37.32	43.4	29.2	37.32	43.4	29.2	—	—	—
Painters, sculptors, craft artists, and artist printmakers	29.17	30.5	41.3	29.17	30.5	41.3	—	—	—
Photographers	30.83	17.4	41.6	30.83	17.4	41.6	—	—	—
Editors and reporters	28.25	7.7	40.1	28.45	7.9	40.2	—	—	—
Public relations specialists	17.43	16.2	40.4	17.43	16.2	40.4	—	—	—
Professional, n.e.c.	23.49	7.8	41.2	23.49	7.8	41.2	—	—	—
Technical	21.25	2.7	36.5	21.40	2.7	36.5	17.57	9.3	38.3
Clinical laboratory technologists and technicians	19.44	5.0	38.2	19.43	5.1	38.3	—	—	—
Health record technologists and technicians	13.49	7.9	36.2	13.49	7.9	36.2	—	—	—
Radiological technicians	22.24	4.7	30.8	22.25	4.7	30.9	—	—	—
Licensed practical nurses	16.40	3.8	34.7	16.48	3.8	34.7	12.80	7.4	33.3
Health technologists and technicians, n.e.c.	16.84	3.0	37.0	16.76	3.0	37.1	—	—	—
Electrical and electronic technicians	21.48	3.1	39.6	21.48	3.1	39.6	—	—	—
Mechanical engineering technicians	20.42	9.8	40.0	20.42	9.8	40.0	—	—	—
Engineering technicians, n.e.c.	20.93	6.2	38.4	21.29	6.8	38.3	—	—	—
Drafters	19.85	4.7	39.8	19.85	4.7	39.8	—	—	—
Surveying and mapping technicians	18.16	13.9	40.0	18.16	13.9	40.0	—	—	—
Biological technicians	14.05	10.2	34.7	15.11	11.8	33.0	—	—	—
Chemical technicians	20.55	8.3	40.3	20.55	8.3	40.3	—	—	—
Science technicians, n.e.c.	19.64	4.7	38.2	19.79	5.7	37.7	—	—	—
Airplane pilots and navigators	91.17	17.9	24.2	91.17	17.9	24.2	—	—	—
Broadcast equipment operators	16.77	16.9	38.1	16.74	17.0	38.1	—	—	—
Computer programmers	27.75	7.7	39.8	29.31	6.7	39.8	—	—	—
Legal assistants	18.95	6.0	39.6	18.95	6.1	39.6	—	—	—
Technical and related, n.e.c.	20.45	4.8	38.2	20.56	5.0	38.2	—	—	—
Executive, administrative, and managerial	29.56	3.9	40.0	29.64	3.9	40.0	26.26	5.9	40.9
Executives, administrators, and managers	34.28	4.4	40.4	34.43	4.4	40.4	27.67	9.3	41.9
Legislators	22.34	33.1	9.9	22.34	33.1	9.9	—	—	—
Administrators and officials, public administration ...	30.80	5.1	39.4	31.27	5.4	39.4	—	—	—
Financial managers	32.08	5.8	39.8	32.04	5.8	39.8	—	—	—
Personnel and labor relations managers	33.90	6.2	40.2	34.42	6.6	40.4	—	—	—
Purchasing managers	31.85	9.0	40.2	31.83	9.1	40.2	—	—	—
Managers, marketing, advertising, and public relations	43.76	11.4	41.6	43.76	11.4	41.6	—	—	—
Administrators, education and related fields	36.91	4.1	39.5	37.38	4.4	39.5	—	—	—
Managers, medicine and health	31.45	3.5	39.3	31.75	3.5	39.3	—	—	—
Managers, food servicing and lodging establishments	17.33	4.7	42.2	17.69	4.8	41.6	—	—	—
Managers, properties and real estate	15.74	12.0	40.3	15.74	12.0	40.3	—	—	—
Managers, service organizations, n.e.c.	39.02	22.4	39.7	39.08	22.5	39.7	—	—	—
Managers and administrators, n.e.c.	34.50	5.8	41.0	34.62	5.9	40.9	26.10	7.3	44.7
Management related	22.02	2.3	39.3	21.99	2.3	39.3	23.72	5.2	39.0

See footnotes at end of table.

TABLE 4-13. Pacific census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1999—Continued

Occupation ⁵	Total			Metropolitan			Nonmetropolitan		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)	
White collar —Continued									
Executive, administrative, and managerial —Continued									
Management related —Continued									
Accountants and auditors	\$20.95	4.2	39.4	\$20.94	4.3	39.3	—	—	—
Underwriters	25.15	10.5	38.5	25.15	10.5	38.5	—	—	—
Other financial officers	20.74	7.9	37.7	20.77	8.0	37.6	—	—	—
Management analysts	26.00	3.5	40.5	26.00	3.5	40.5	—	—	—
Personnel, training, and labor relations specialists ..	21.57	4.8	39.9	21.29	4.8	39.9	—	—	—
Buyers, wholesale and retail trade, except farm products	18.88	10.5	39.9	18.94	10.7	39.9	—	—	—
Purchasing agents and buyers, n.e.c.	21.45	7.6	40.5	21.70	7.8	40.7	—	—	—
Construction inspectors	25.28	3.3	39.9	25.29	3.3	39.9	—	—	—
Inspectors and compliance officers, except construction	23.50	4.8	40.0	23.48	5.0	40.1	—	—	—
Management related, n.e.c.	23.09	2.8	39.4	22.97	2.8	39.4	—	—	—
Sales	14.11	5.0	33.7	14.09	5.1	33.7	\$16.96	15.9	34.4
Supervisors, sales	17.09	11.9	40.2	16.89	12.2	40.2	—	—	—
Insurance sales	18.61	14.3	39.2	18.65	14.4	39.2	—	—	—
Securities and financial services sales	25.13	25.0	39.7	25.13	25.0	39.7	—	—	—
Advertising and related sales	48.62	30.4	38.5	48.62	30.4	38.5	—	—	—
Sales, other business services	20.52	17.5	37.2	20.65	17.6	37.2	—	—	—
Sales representatives, mining, manufacturing, and wholesale	21.10	7.0	39.1	21.11	7.0	39.1	—	—	—
Sales workers, motor vehicles and boats	21.32	4.5	41.9	21.13	4.5	42.0	—	—	—
Sales workers, apparel	7.81	3.9	26.0	7.81	3.9	26.0	—	—	—
Sales workers, shoes	6.83	5.4	24.3	6.83	5.4	24.3	—	—	—
Sales workers, furniture and home furnishings	10.62	14.0	30.2	10.62	14.0	30.2	—	—	—
Sales workers, hardware and building supplies	11.79	4.5	35.9	11.79	4.5	35.9	—	—	—
Sales workers, parts	14.40	9.6	40.0	14.41	9.6	40.0	—	—	—
Sales workers, other commodities	10.06	4.6	29.9	10.06	4.6	29.9	—	—	—
Sales counter clerks	10.40	18.3	28.6	10.36	18.7	28.8	—	—	—
Cashiers	11.80	16.1	34.4	11.82	16.1	34.5	9.81	5.5	30.8
Sales support, n.e.c.	12.11	13.7	34.9	12.16	13.9	34.8	—	—	—
Administrative support, including clerical	13.20	1.2	35.0	13.20	1.3	34.9	13.18	.5	37.7
Supervisors, general office	17.79	2.7	40.1	17.69	2.8	40.1	20.05	6.3	40.0
Supervisors, financial records processing	20.77	5.5	39.7	20.80	5.5	39.8	—	—	—
Supervisors, distribution, scheduling, and adjusting clerks	20.06	9.4	40.2	19.64	10.9	40.2	—	—	—
Computer operators	15.79	6.5	39.6	16.56	7.5	39.6	—	—	—
Secretaries	14.95	3.2	36.1	15.01	3.3	36.0	13.57	4.5	37.2
Stenographers	13.91	14.0	37.3	13.94	14.3	37.2	—	—	—
Typists	13.60	3.1	38.2	13.63	3.2	38.4	—	—	—
Hotel clerks	9.96	9.3	38.9	9.77	9.7	38.8	—	—	—
Transportation ticket and reservation agents	14.49	5.5	37.3	14.47	5.7	37.3	—	—	—
Receptionists	11.30	4.3	36.7	11.30	4.3	36.7	—	—	—
Information clerks, n.e.c.	11.53	3.2	34.7	11.45	3.2	34.6	—	—	—
Order clerks	13.49	3.4	36.8	13.49	3.4	36.8	—	—	—
Personnel clerks, except payroll and timekeeping ...	14.19	3.7	39.6	14.22	3.7	39.6	—	—	—
Library clerks	12.64	2.8	30.6	12.79	2.7	30.2	—	—	—
File clerks	8.40	7.1	34.5	8.37	7.4	34.7	—	—	—
Records clerks, n.e.c.	13.60	3.1	38.6	13.72	3.3	38.5	11.37	8.8	40.0
Bookkeepers, accounting and auditing clerks	13.24	2.3	37.1	13.32	2.3	37.0	11.30	7.5	39.7
Payroll and timekeeping clerks	14.57	4.0	39.9	14.67	4.1	39.8	—	—	—
Billing clerks	12.49	4.4	38.9	12.62	4.9	38.7	—	—	—
Billing, posting, and calculating machine operators	8.93	5.7	34.3	8.93	5.7	34.3	—	—	—
Duplicating machine operators	12.09	9.5	35.4	12.09	9.5	35.4	—	—	—
Office machine operators, n.e.c.	10.65	13.9	37.8	10.65	13.9	37.8	—	—	—
Telephone operators	10.74	4.7	37.6	10.74	4.7	37.6	—	—	—
Mail clerks, except postal service	8.65	5.6	38.4	—	—	—	—	—	—
Messengers	9.49	9.0	22.7	9.53	9.2	22.5	—	—	—
Dispatchers	16.65	5.5	38.2	16.65	5.5	38.2	—	—	—

See footnotes at end of table.

TABLE 4-13. Pacific census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1999—Continued

Occupation ⁵	Total			Metropolitan			Nonmetropolitan		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)	
White collar —Continued									
Administrative support, including clerical —Continued									
Production coordinators	\$15.38	13.5	39.9	\$15.38	13.5	39.9	—	—	—
Traffic, shipping and receiving clerks	11.18	5.5	39.1	10.93	5.8	39.0	—	—	—
Stock and inventory clerks	10.96	7.4	34.2	10.97	7.6	34.1	—	—	—
Meter readers	17.35	5.2	39.1	17.35	5.2	39.1	—	—	—
Weighers, measurers, checkers, and samplers	11.12	4.7	35.2	—	—	—	—	—	—
Expeditors	13.13	9.6	39.7	13.16	9.6	39.7	—	—	—
Material recording, scheduling, and distribution clerks, n.e.c.	12.23	6.7	35.3	12.28	6.9	35.3	—	—	—
Insurance adjusters, examiners, and investigators ..	17.71	7.7	38.6	17.77	7.7	38.6	—	—	—
Investigators and adjusters, except insurance	14.50	3.3	39.1	14.49	3.4	39.2	—	—	—
Eligibility clerks, social welfare	14.31	4.3	39.6	14.36	4.6	39.6	—	—	—
Bill and account collectors	13.98	6.4	37.8	13.98	6.4	37.8	—	—	—
General office clerks	11.76	2.4	30.1	11.74	2.5	30.0	\$12.61	3.4	34.6
Bank tellers	9.69	2.7	25.7	9.69	2.7	25.6	—	—	—
Data entry keyers	11.89	5.7	37.8	11.90	5.7	37.8	—	—	—
Statistical clerks	11.61	13.9	37.4	11.61	13.9	37.4	—	—	—
Teachers' aides	11.29	2.8	24.6	11.45	2.9	24.2	—	—	—
Administrative support, n.e.c.	14.06	2.5	35.9	14.02	2.5	35.9	15.04	15.9	35.6
Blue collar	13.95	2.2	37.3	14.01	2.3	37.3	12.70	8.8	38.5
Precision production, craft, and repair									
Supervisors, mechanics and repairers	18.40	2.9	39.6	18.44	2.9	39.6	16.85	1.6	39.8
Automobile mechanics	22.45	5.3	39.9	22.36	5.4	39.9	—	—	—
Automobile mechanic apprentices	15.76	12.3	40.0	15.73	12.3	40.0	—	—	—
Bus, truck, and stationary engine mechanics	11.61	9.4	39.9	11.61	9.4	39.9	—	—	—
Aircraft engine mechanics	16.20	5.5	36.6	16.21	5.6	36.6	—	—	—
Automobile body and related repairers	21.58	7.6	39.8	21.58	7.6	39.8	—	—	—
Aircraft mechanics, except engine	14.78	14.0	40.0	14.67	15.1	40.0	—	—	—
Heavy equipment mechanics	22.17	1.7	40.0	22.14	1.7	40.0	—	—	—
Industrial machinery repairers	20.69	7.4	40.0	20.69	7.4	40.0	—	—	—
Machinery maintenance	18.19	4.3	40.0	18.22	4.7	40.0	—	—	—
Electronic repairers, communications and industrial equipment	15.10	9.2	39.6	14.60	9.7	39.9	—	—	—
Household appliance and power tool repairers	17.28	4.5	39.9	17.47	4.7	39.9	—	—	—
Heating, air conditioning, and refrigeration mechanics	23.43	6.4	40.2	—	—	—	—	—	—
Office machine repairers	18.40	13.5	38.2	18.35	13.6	38.2	—	—	—
Millwrights	15.11	8.5	40.0	15.11	8.5	40.0	—	—	—
Mechanics and repairers, n.e.c.	18.22	3.4	39.7	18.22	3.4	39.7	—	—	—
Supervisors, carpenters and related workers	15.82	6.8	39.7	15.76	6.9	39.7	17.92	11.1	39.4
Supervisors, plumbers, pipefitters, and steamfitters	26.29	2.5	40.0	26.29	2.5	40.0	—	—	—
Supervisors, construction trades, n.e.c.	29.61	1.9	40.0	29.61	1.9	40.0	—	—	—
Brickmasons and stonemasons	22.22	12.6	39.6	22.22	12.6	39.6	—	—	—
Carpenters	18.62	11.2	40.0	18.62	11.2	40.0	—	—	—
Drywall installers	19.76	2.7	39.8	19.78	2.8	39.8	—	—	—
Electricians	24.47	3.9	38.2	24.47	3.9	38.2	—	—	—
Electrician apprentices	21.31	9.6	40.0	22.16	10.7	40.0	—	—	—
Electrical power installers and repairers	12.60	11.9	40.0	12.29	11.5	40.0	—	—	—
Painters, construction and maintenance	26.74	2.4	40.0	26.74	2.4	40.0	—	—	—
Plumbers, pipefitters and steamfitters	13.21	6.9	39.6	12.96	6.8	39.6	—	—	—
Structural metal workers	22.91	9.2	40.0	23.18	9.1	40.0	—	—	—
Construction trades, n.e.c.	19.26	14.4	37.0	19.26	14.4	37.0	—	—	—
Drillers, oil well	13.26	10.4	39.9	13.17	11.1	39.9	—	—	—
Supervisors, production	21.40	12.3	41.2	21.40	12.3	41.2	—	—	—
Tool and die makers	22.32	7.5	40.1	22.32	7.5	40.1	—	—	—
Precision assemblers, metal	20.23	6.4	40.0	20.23	6.4	40.0	—	—	—
Machinists	17.53	5.1	40.0	17.53	5.1	40.0	—	—	—
Precision grinders, filers, and tool sharpeners	19.71	5.1	39.8	19.71	5.1	39.8	—	—	—
Layout workers	20.47	8.1	40.0	20.47	8.1	40.0	—	—	—
Electrical and electronic equipment assemblers	17.39	7.1	40.0	17.39	7.1	40.0	—	—	—
	10.39	6.7	39.7	10.39	6.7	39.7	—	—	—

See footnotes at end of table.

TABLE 4-13. Pacific census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1999—Continued

Occupation ⁵	Total			Metropolitan			Nonmetropolitan		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)	
Blue collar—Continued									
Precision production, craft, and repair—Continued									
Butchers and meat cutters	\$12.19	11.9	38.8	\$12.01	12.8	38.7	—	—	—
Bakers	11.49	5.8	37.7	11.49	5.8	37.7	—	—	—
Inspectors, testers, and graders	17.17	5.7	39.9	17.17	5.7	39.9	—	—	—
Water and sewer treatment plant operators	20.54	4.0	40.0	20.73	4.9	40.0	—	—	—
Power plant operators	25.65	4.0	40.0	25.65	4.0	40.0	—	—	—
Stationary engineers	22.38	5.1	40.0	22.38	5.1	40.0	—	—	—
Miscellaneous plant and system operators, n.e.c.	23.66	2.6	40.3	23.66	2.6	40.3	—	—	—
Machine operators, assemblers, and inspectors	10.41	3.5	38.7	10.31	3.6	38.6	\$11.85	8.4	39.9
Lathe and turning machine operators	15.44	16.0	40.0	15.44	16.0	40.0	—	—	—
Punching and stamping press operators	11.22	12.2	40.0	11.22	12.2	40.0	—	—	—
Grinding, abrading, buffing, and polishing machine operators	8.91	9.9	40.0	8.91	9.9	40.0	—	—	—
Numerical control machine operators	15.78	13.5	40.0	15.78	13.5	40.0	—	—	—
Fabricating machine operators, n.e.c.	11.63	12.5	35.8	11.19	12.6	35.5	—	—	—
Molding and casting machine operators	8.79	11.4	39.7	8.79	11.4	39.7	—	—	—
Metal plating machine operators	13.46	6.7	40.0	13.46	6.7	40.0	—	—	—
Sawing machine operators	9.41	11.1	40.0	8.00	12.5	40.0	—	—	—
Printing press operators	14.69	11.1	39.2	14.69	11.1	39.2	—	—	—
Photoengravers and lithographers	17.26	16.4	38.3	17.26	16.4	38.3	—	—	—
Typesetters and compositors	14.37	10.1	38.3	14.37	10.1	38.3	—	—	—
Textile cutting machine operators	10.05	7.4	40.0	10.05	7.4	40.0	—	—	—
Textile sewing machine operators	6.47	5.8	39.8	6.47	5.8	39.8	—	—	—
Laundrying and dry cleaning machine operators	7.46	5.5	38.0	7.44	5.5	37.9	—	—	—
Packaging and filling machine operators	11.32	9.2	39.8	11.32	9.2	39.8	—	—	—
Extruding and forming machine operators	11.43	5.8	40.0	11.43	5.8	40.0	—	—	—
Mixing and blending machine operators	10.79	6.3	39.7	10.79	6.3	39.7	—	—	—
Separating, filtering, and clarifying machine operators	—	—	—	16.10	3.4	40.0	—	—	—
Painting and paint spraying machine operators	8.11	12.8	40.0	8.11	12.8	40.0	—	—	—
Furnace, kiln, and oven operators, except food	12.02	8.3	40.0	12.02	8.3	40.0	—	—	—
Crushing and grinding machine operators	12.38	7.4	40.0	12.38	7.4	40.0	—	—	—
Slicing and cutting machine operators	10.51	11.3	39.9	10.51	11.3	39.9	—	—	—
Miscellaneous machine operators, n.e.c.	11.35	3.4	39.7	11.44	4.6	39.6	—	—	—
Welders and cutters	14.50	7.6	40.0	14.39	7.8	40.0	—	—	—
Solders and braziers	8.55	4.7	40.0	8.55	4.7	40.0	—	—	—
Assemblers	10.42	5.4	39.2	10.42	5.4	39.2	—	—	—
Hand cutting and trimming	6.73	8.9	39.8	6.73	8.9	39.8	—	—	—
Hand painting, coating, and decorating	7.77	8.4	40.0	7.77	8.4	40.0	—	—	—
Miscellaneous hand working, n.e.c.	8.57	6.4	39.9	8.57	6.4	39.9	—	—	—
Production inspectors, checkers and examiners	9.63	7.6	39.6	9.63	7.6	39.6	—	—	—
Production testers	11.84	5.4	40.0	11.84	5.4	40.0	—	—	—
Graders and sorters, except agricultural	11.74	9.5	39.4	11.74	9.5	39.4	—	—	—
Transportation and material moving	14.11	4.0	37.4	14.20	4.1	37.6	12.43	10.7	34.3
Supervisors, motor vehicle operators	21.17	6.5	40.7	21.23	6.6	40.7	—	—	—
Truck drivers	13.63	4.6	39.5	13.59	4.6	39.5	—	—	—
Driver-sales workers	10.56	6.2	38.6	10.56	6.2	38.6	—	—	—
Bus drivers	13.64	5.0	28.2	13.69	5.3	27.9	—	—	—
Taxicab drivers and chauffeurs	10.01	6.5	30.5	10.01	6.5	30.5	—	—	—
Parking lot attendants	7.86	7.5	29.3	7.86	7.5	29.3	—	—	—
Motor transportation, n.e.c.	8.45	12.2	30.7	8.58	13.2	35.5	—	—	—
Railroad conductors and yardmasters	27.13	8.7	40.8	27.13	8.7	40.8	—	—	—
Locomotive operating	23.89	8.9	40.9	23.89	8.9	40.9	—	—	—
Ship captains and mates, except fishing boats	19.00	18.2	35.1	19.00	18.2	35.1	—	—	—
Sailors and deckhands	21.37	4.3	31.9	22.20	3.1	30.3	—	—	—
Supervisors, material moving equipment	19.17	9.8	40.1	19.17	9.8	40.1	—	—	—
Operating engineers	24.84	6.0	39.8	25.30	5.3	39.8	—	—	—
Crane and tower operators	17.73	17.0	40.0	17.73	17.0	40.0	—	—	—
Excavating and loading machine operators	14.79	3.5	40.0	14.79	3.5	40.0	—	—	—
Grader, dozer, and scraper operators	17.48	10.6	40.0	20.26	11.4	40.0	—	—	—

See footnotes at end of table.

TABLE 4-13. Pacific census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1999—Continued

Occupation ⁵	Total			Metropolitan			Nonmetropolitan		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)	
Blue collar—Continued									
Transportation and material moving—Continued									
Industrial truck and tractor equipment operators	\$12.21	7.5	39.5	\$12.58	8.4	39.3	—	—	—
Miscellaneous material moving equipment operators, n.e.c.	16.15	14.8	37.4	16.01	15.3	37.4	—	—	—
Handlers, equipment cleaners, helpers, and laborers									
Groundskeepers and gardeners, except farm	11.03	5.4	34.1	11.05	5.6	33.9	\$10.54	9.3	38.6
Animal caretakers, except farm	12.36	4.3	39.3	12.19	4.8	39.1	13.00	9.1	40.0
Inspectors, agricultural products	10.88	11.6	25.2	10.88	11.6	25.2	—	—	—
Supervisors, handlers, equipment cleaners, and laborers, n.e.c.	8.21	6.2	34.2	8.21	6.2	34.2	—	—	—
Helpers, mechanics and repairers	18.67	11.4	40.6	18.67	11.4	40.6	—	—	—
Helpers, construction trades	13.08	7.2	39.1	13.03	7.4	39.1	—	—	—
Construction laborers	10.19	5.8	36.9	10.18	5.8	36.9	—	—	—
Production helpers	14.86	11.4	38.9	14.97	11.5	39.1	—	—	—
Garbage collectors	9.16	5.4	37.5	9.15	5.5	37.5	—	—	—
Machine feeders and offbearers	14.41	15.2	38.3	14.41	15.2	38.3	—	—	—
Freight, stock, and material handlers, n.e.c.	9.21	8.8	39.0	9.21	8.8	39.0	—	—	—
Garage and service station related	10.44	5.9	32.7	10.40	6.1	32.5	—	—	—
Vehicle washers and equipment cleaners	9.81	14.5	33.4	9.81	14.5	33.4	—	—	—
Hand packers and packagers	7.67	5.9	38.8	7.67	5.9	38.8	—	—	—
Laborers, except construction, n.e.c.	7.96	3.4	37.9	7.96	3.4	37.9	—	—	—
Service	10.14	5.0	34.9	10.29	5.1	34.0	—	—	—
Protective service	10.32	2.5	31.3	10.30	2.6	31.2	10.81	5.0	34.2
Supervisors, firefighters and fire prevention	17.53	5.2	37.1	17.55	5.4	36.9	16.96	6.6	40.6
Supervisors, police and detectives	26.97	10.0	51.1	27.57	9.8	51.6	—	—	—
Supervisors, guards	33.19	4.1	40.0	33.19	4.1	40.0	—	—	—
Fire inspection and fire prevention	21.78	15.6	40.0	21.78	15.6	40.0	—	—	—
Firefighting	17.10	11.5	44.0	17.10	11.5	44.0	—	—	—
Police and detectives, public service	18.13	9.3	34.7	18.41	9.6	34.3	—	—	—
Sheriffs, bailiffs, and other law enforcement officers	25.17	2.5	39.8	25.57	2.3	39.7	20.72	4.5	40.0
Correctional institution officers	21.90	4.1	39.4	22.01	4.1	39.4	—	—	—
Guards and police, except public service	19.93	4.4	40.0	20.10	4.3	40.0	—	—	—
Protective service, n.e.c.	8.77	4.1	34.3	8.76	4.1	34.2	—	—	—
Food service	14.50	14.4	30.4	14.50	14.6	30.3	—	—	—
Waiters, waitresses, and bartenders	7.55	2.4	27.7	7.52	2.5	27.6	8.52	7.5	33.2
Bartenders	6.68	4.3	27.0	6.64	4.5	26.8	7.54	15.3	31.4
Waiters and waitresses	9.44	15.1	33.0	9.61	15.0	32.8	—	—	—
Waiters'/Waitresses' assistants	6.13	2.0	26.3	6.03	1.5	26.1	7.76	20.0	30.7
Other food service	6.42	4.3	26.0	6.42	4.4	26.0	—	—	—
Supervisors, food preparation and service	7.82	3.2	27.9	7.79	3.2	27.8	9.22	6.0	34.6
Cooks	11.20	4.3	40.9	11.18	4.3	40.9	—	—	—
Kitchen workers, food preparation	8.53	5.4	35.6	8.47	5.5	35.5	9.72	5.6	37.8
Food preparation, n.e.c.	8.23	3.0	32.6	8.20	3.0	32.7	—	—	—
Health service	6.98	3.0	23.7	6.96	3.0	23.6	8.47	15.4	33.4
Dental assistants	11.52	4.5	34.2	11.61	4.7	34.2	9.91	4.5	34.2
Health aides, except nursing	14.80	8.9	33.5	14.80	8.9	33.5	—	—	—
Nursing aides, orderlies and attendants	12.22	2.3	36.1	12.29	2.4	36.5	10.98	7.6	29.6
Cleaning and building service	9.52	2.1	33.5	9.52	2.3	33.2	9.50	4.2	36.3
Supervisors, cleaning and building service workers	9.38	2.6	35.8	9.35	2.7	35.8	10.18	1.5	34.7
Maids and housemen	12.81	7.4	40.1	12.91	7.6	40.1	—	—	—
Janitors and cleaners	7.94	3.8	34.9	7.87	3.7	35.0	9.77	11.6	32.9
Personal service	9.60	3.1	35.8	9.58	3.2	35.8	10.34	3.0	35.0
Supervisors, personal service	9.69	4.3	29.5	9.65	4.5	29.4	10.28	16.1	31.5
Attendants, amusement, and recreation facilities	14.27	7.0	39.5	13.17	5.8	39.3	—	—	—
Guides	6.99	4.8	27.2	7.28	3.8	24.8	—	—	—
Ushers	8.62	12.9	25.3	8.17	12.6	24.4	—	—	—
Public transportation attendants	6.38	4.0	9.5	6.38	4.0	9.5	—	—	—
Baggage porters and bellhops	28.92	9.9	22.2	28.92	9.9	22.2	—	—	—
Welfare service aides	7.46	6.3	35.7	7.46	6.3	35.6	—	—	—
	8.48	5.3	32.4	8.48	5.3	32.4	—	—	—

See footnotes at end of table.

TABLE 4-13. Pacific census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1999–Continued

Occupation ⁵	Total			Metropolitan			Nonmetropolitan		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)		Mean	Relative error ⁶ (percent)	
Service –Continued									
Personal service –Continued									
Early childhood teachers' assistants	\$9.17	3.1	23.1	\$9.12	3.2	22.8	–	–	–
Child care workers, n.e.c.	9.13	3.9	31.2	9.12	3.8	31.3	–	–	–
Service, n.e.c.	8.98	6.3	33.8	8.55	6.0	34.5	\$14.25	5.5	27.2

¹ The Pacific census division consists of Washington, Oregon, California, Alaska, and Hawaii.

² 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.

³ Metropolitan areas can be a Metropolitan Statistical Area (MSA) or Consolidated Metropolitan Statistical Area (CMSA) as defined by the Office of Management and Budget, 1994. Nonmetropolitan areas are counties that do not fit the definitions above. For more information, see appendix E.

⁴ In this census division, collection was conducted between September 1998 and April

2000. The average reference period was August 1999. For the first time, estimates include workers in private establishments employing fewer than 50 workers.

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

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, and n.e.c. means "not elsewhere classified." Overall occupational groups may include data for categories not shown separately.

Appendix A.

Technical Note

This section provides basic information on the procedures and concepts used to produce the data contained in this bulletin. It is divided into three parts: Planning for the survey; data collection; and processing and analyzing the data. While 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, which was based on the type of data to be produced, had to be developed before data collection could begin.

Survey scope

The 1999 National Compensation Survey (NCS) included 19,481 establishments representing more than 94 million workers within scope of the survey. Beginning with the 1999 NCS, private sector establishments with one or more workers are included in the survey. State and local governments with 50 or more workers also are included. The number of workers represented by the survey is shown in table A, and the number of establishments in table B.

The survey covered 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 was 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 was usually at a single physical location. For State and local governments, an establishment was defined as all locations of a government entity.

The geographical scope of the NCS includes all 50 States and the District of Columbia.

Sampling frame

The list of establishments from which the survey sample was selected (sampling frame) was developed from State unemployment insurance reports. The reference month for the public sector is June 1994. 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 reference month for the private sector varied by area.

Sample design

The sample for this survey was selected using a three-stage design. The first stage consisted of the selection of areas for study. The NCS sample consists of 154 metropolitan areas and nonmetropolitan areas that represent the Nation's 326 metropolitan statistical areas (as defined by the Office of Management and Budget, 1994) and the remaining portions of the 50 States. (See appendix E.) The NCS surveys two types of metropolitan areas: Metropolitan Statistical Areas (MSAs) and Consolidated Metropolitan Statistical Areas (CMSAs). MSAs are areas with a central city of 50,000 or more inhabitants and a total area population of at least 100,000. An MSA usually consists of one or more counties with close economic and social ties as defined by commuting patterns and population density. CMSAs are large, integrated areas of 1 million or more people consisting of two or more contiguous Primary Metropolitan Statistical Areas (large areas that consist of 250,000 to 999,999 people). Nonmetropolitan areas are areas that are not a part of an MSA or CMSA. These areas are individual counties or parishes.

In the second stage, 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 chances of selection. Weights were applied to each establishment when the data were tabulated so that it represents similar units (by industry and employment size) in the economy that were not selected for data collection.

The third stage of sample selection was development of a probability sample of occupations within a sampled establishment.

Data collection

The collection of data from survey respondents required detailed procedures. Collection was the responsibility of field

economists, working out of the BLS Regional Offices, who visited each establishment surveyed. Collection was conducted between September 1998 and April 2000. The average payroll reference month was September 1999. For each establishment in the survey, the data reflect the establishment's practices on the day of collection.

Occupational selection and classification

Identification of the occupations for which wage data were to be collected was a multistep process:

1. Probability-proportional-to-size selection of establishment jobs.
2. Classification of jobs into occupations based on the Census of Population system.
3. Characterization of jobs as full-time v. part-time, union v. nonunion, and time v. incentive.
4. Determination of the level of work of each job.

For each occupation, wage data were collected for those workers who met all the criteria identified in the last three steps. Special procedures were developed for jobs for which a correct classification or level could not be determined.

In step one, the jobs to be sampled were selected at each establishment by the BLS field economist during a personal visit. A complete list of employees was used for sampling, with each selected worker representing a job within the establishment.

As with the selection of establishments, the selection of a job was based on probability proportional to its size in the establishment. The greater the number of people working in a job in the establishment, the greater its chance of selection.

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

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

The second step of the process entailed classifying the selected jobs into occupations, based on their duties. The National Compensation Survey occupational classification system is based on the 1990 Census of Population. A selected job may fall into any one of about 480 occupational classifications, from accountant to wood lathe operator. For cases in which a job's duties overlapped two or more census classification codes, the duties used to set the wage level were used to classify the job. Classification by primary duties was the fallback.

Each occupational classification is an element of a broader

classification known as a major occupational group (MOG). Occupations can fall into any of the following MOGs:

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

A complete list of all individual occupations, classified by the MOG to which they belong, is contained in appendix B.

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 details.

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. Office of Personnel Management's Factor Evaluation System, which is the underlying structure for evaluation of General Schedule Federal employees. The tenth factor, supervisory duties, attempts to account for the effect of supervisory duties. It is considered experimental. The 10 factors are:

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

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

Tabulations of levels of work for occupations in the survey follow the Federal Government's white-collar General Schedule. Point ranges for each of the 15 levels are shown in appendix D. The appendix also includes an example of a leveled job.

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 with 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. The results of this research will be published by BLS in the future.

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 bonuses, 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 sales-

- people, referral incentives in real estate)
- On-call pay

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

Earnings distribution tables that are not included in this bulletin are available at the BLS Internet site (<http://stats.bls.gov/comhome.htm>). These supplemental tables provide hourly earnings at the 10th, 25th, 50th, 75th, and 90th percentile positions for selected occupations. At the 50th percentile, the median, half of the workers receive the same as or more than the rate shown, and half receive the same as or less than the rate shown. At the 25th percentile, one-fourth of the workers earn the same as or less than the rate shown. At the 75th percentile, one-fourth earn the same as or more than the rate shown. The 10th and 90th percentiles follow the same pattern. Earnings data are made available for all workers, private industry, and State and local government. Further detail for full- and part-time workers also is provided.

Definition of terms

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

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

Level. A ranking of an occupation based on the requirements of the position. (See the description above and the example in appendix D 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/occupation in the survey. These weights reflected the relative size of the occupation within the establishment and of the establishment within the sample universe. Weights were used to aggregate data for the individual establishment/occupations into the various data series. If data were not provided by a sample member, the weights of responding sample members in the same or similar "cells" were adjusted to account for the missing data. This technique assumes that the mean value of data for the nonrespondents equals the mean value of data for the respondents at some detailed "cell" level. Responding and nonresponding establishments were classified into these cells according to industry and employment size. Responding and nonresponding occupations within responding establishments were classified into cells that were additionally defined by major occupation group and job level.

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

Estimation

The wage series in the tables are computed by combining the wages for individual establishment/occupations. 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, which varied depending on whether hourly, weekly, or annual rates were being calculated.

Not all series that were calculated met the criteria for publication. Before any series was published, it was reviewed to make sure that the number of observations underlying it was sufficient. This review prevented the publication of a series

that could have revealed information about a specific establishment.

The number-of-workers estimates in appendix table A represents 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. RSEs are presented for most of the tables in this bulletin.

The standard error can be used to calculate a "confidence interval" around a sample estimate. As an example, table 1-1 shows mean hourly earnings of \$15.36 per hour for all workers, and a relative standard error of 1.3 percent for this estimate. At the 90-percent level, the confidence interval for this estimate is \$15.03 to \$15.69 ($15.36 \times 1.645 \times 0.013 = \0.328 , round to \$0.33; $\$15.36 - \$0.33 = \$15.03$; $\$15.36 + \$0.33 = \$15.69$). 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.

TABLE A. Number of workers¹ represented by the survey, by occupational group,² United States, National Compensation Survey,³ 1999

Occupational group	All industries	Private industry	State and local government
All	94,757,800	80,546,700	14,211,100
All, excluding sales	84,911,500	70,755,500	14,156,100
White collar	49,081,600	39,489,300	9,592,400
White collar, excluding sales	39,235,300	29,698,000	9,537,300
Professional specialty and technical	16,051,400	10,406,800	5,644,600
Professional specialty occupations	12,530,200	7,362,400	5,167,900
Technical occupations	3,521,200	3,044,500	476,700
Executive, administrative, and managerial	7,067,700	5,876,300	1,191,400
Sales	9,846,300	9,791,300	55,000
Administrative support, including clerical	16,116,200	13,414,900	2,701,300
Blue collar	28,026,000	26,552,700	1,473,300
Precision production, craft, and repair	9,358,400	8,764,300	594,100
Machine operators, assemblers, and inspectors	7,466,200	7,433,400	32,800
Transportation and material moving	4,043,000	3,515,300	527,700
Handlers, equipment cleaners, helpers, and laborers	7,158,400	6,839,800	318,600
Service	17,650,200	14,504,800	3,145,400

¹ Estimates of the number of workers provide a description of size and composition of the labor force included in the survey. Estimates are not intended, however, for comparison with 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.

For more information, see appendix B.

³ This survey covers all 50 States. Collection was conducted between September 1998 and April 2000. The average reference period was September 1999. For the first time, estimates include workers in private establishments employing fewer than 50 workers.

TABLE B. Number of establishments studied by industry group and establishment employment size, United States, National Compensation Survey,¹ 1999

Industry division	Number of establishments studied						
	Total	1 to 99 workers ²	100 to 499 workers	500 to 999 workers	1000 to 2,499 workers	2,500 to 4,999 workers	5,000 or more workers
All	19,481	6,922	7,648	2,000	1,679	691	541
Private Industry	16,834	6,637	6,725	1,508	1,226	445	293
Goods-producing industries	4,751	1,513	2,068	566	370	148	86
Mining	179	97	54	20	8	—	—
Construction	801	539	227	20	14	1	—
Manufacturing	3,771	877	1,787	526	348	147	86
Durable goods	2,310	531	1,020	321	241	122	75
Nondurable goods	1,461	346	767	205	107	25	11
Service-producing industries	12,083	5,124	4,657	942	856	297	207
Transportation and utilities	1,233	424	465	127	127	45	45
Wholesale trade	806	465	277	38	18	2	6
Retail trade	2,846	1,589	1,075	109	57	13	3
Finance, insurance and real estate	1,303	711	290	102	106	38	56
Services	5,895	1,935	2,550	566	548	199	97
State and local government	2,647	285	923	492	453	246	248

¹ This survey covers all 50 States. Collection was conducted between September 1998 and April 2000. The average reference period was September 1999. For the first time, estimates include workers in private establishments employing fewer than 50 workers.

² Estimates include private establishments employing 1 to 99 workers and State and

local government establishments employing 50 to 99 workers.

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

Appendix B.

Occupational Classifications

NOTE: The 4-digit code before each occupation title is used to classify the job into one of three major groups. **White-collar** workers include those classified in Major groups A through D. **Blue-collar** workers include those classified in Major groups E through H. **Service** workers are classified in Major group K.

Major group A:

PROFESSIONAL SPECIALTY AND TECHNICAL OCCUPATIONS

PROFESSIONAL SPECIALTY OCCUPATIONS

ENGINEERS, ARCHITECTS, AND SURVEYORS

- A043 Architects
- A044 Aerospace Engineers
- A045 Metallurgical and Materials Engineers
- A046 Mining Engineers
- A047 Petroleum Engineers
- A048 Chemical Engineers
- A049 Nuclear Engineers
- A053 Civil Engineers
- A054 Agricultural Engineers
- A055 Electrical and Electronic Engineers
- A056 Industrial Engineers
- A057 Mechanical Engineers
- A058 Marine Engineers and Naval Architects
- A059 Engineers, n.e.c.¹
- A063 Surveyors and Mapping Scientists

MATHEMATICAL AND COMPUTER SCIENTISTS

- A064 Computer Systems Analysts and Scientists
- A065 Operations and Systems Researchers and Analysts
- A066 Actuaries
- A067 Statisticians
- A068 Mathematical Scientists, n.e.c.

NATURAL SCIENTISTS

- A069 Physicists and Astronomers
- A073 Chemists, Except Biochemists
- A074 Atmospheric and Space Scientists
- A075 Geologists and Geodesists
- A076 Physical Scientists, n.e.c.

- A077 Agricultural and Food Scientists
- A078 Biological and Life Scientists
- A079 Forestry and Conservation Scientists
- A083 Medical Scientists

HEALTH RELATED OCCUPATIONS

- A084 Physicians
- A085 Dentists
- A086 Veterinarians
- A087 Optometrists
- A088 Podiatrists
- A089 Health Diagnosing Practitioners, n.e.c.
- A095 Registered Nurses
- A096 Pharmacists
- A097 Dietitians
- A098 Respiratory Therapists
- A099 Occupational Therapists
- A103 Physical Therapists
- A104 Speech Therapists
- A105 Therapists, n.e.c.
- A106 Physicians' Assistants

TEACHERS, COLLEGE AND UNIVERSITY

- A113 Earth, Environmental, and Marine Science Teachers
- A114 Biological Science Teachers
- A115 Chemistry Teachers
- A116 Physics Teachers
- A117 Natural Science Teachers, n.e.c.
- A118 Psychology Teachers
- A119 Economics Teachers
- A123 History Teachers
- A124 Political Science Teachers
- A125 Sociology Teachers
- A126 Social Science Teachers, n.e.c.
- A127 Engineering Teachers
- A128 Mathematical Science Teachers
- A129 Computer Science Teachers
- A133 Medical Science Teachers
- A134 Health Specialties Teachers

¹ n.e.c. in an occupation title means not elsewhere classified.

A135 Business, Commerce, and Marketing Teachers
A136 Agriculture and Forestry Teachers
A137 Art, Drama, and Music Teachers
A138 Physical Education Teachers
A139 Education Teachers
A143 English Teachers
A144 Foreign Language Teachers
A145 Law Teachers
A146 Social Work Teachers
A147 Theology Teachers
A148 Trade and Industrial Teachers
A149 Home Economics Teachers
A153 Teachers, Post Secondary, n.e.c.
A154 Post Secondary Teachers, Subject not specified

TEACHERS, EXCEPT COLLEGE AND UNIVERSITY

A155 Prekindergarten and Kindergarten Teachers
A156 Elementary School Teachers
A157 Secondary School Teachers
A158 Teachers, Special Education
A159 Teachers, n.e.c.
A160 Substitute Teachers
A163 Vocational and Educational Counselors

LIBRARIANS, ARCHIVISTS, AND CURATORS

A164 Librarians
A165 Archivists and Curators

SOCIAL SCIENTISTS AND URBAN PLANNERS

A166 Economists
A167 Psychologists
A168 Sociologists
A169 Social Scientists, n.e.c.
A173 Urban Planners

SOCIAL, RECREATION, AND RELIGIOUS WORKERS

A174 Social Workers
A175 Recreation Workers
A176 Clergy
A177 Religious Workers, n.e.c.

LAWYERS AND JUDGES

A178 Lawyers
A179 Judges

WRITERS, AUTHORS, ENTERTAINERS, ATHLETES, AND PROFESSIONALS, N.E.C.

A183 Authors

A184 Technical Writers
A185 Designers
A186 Musicians and Composers
A187 Actors and Directors
A188 Painters, Sculptors, Craft-Artists, and Artist Print-Makers
A189 Photographers
A193 Dancers
A194 Artists, Performers, and Related Workers, n.e.c.
A195 Editors and Reporters
A197 Public Relations Specialists
A198 Announcers
A199 Athletes
A999 Professional Occupations, n.e.c.

TECHNICAL OCCUPATIONS

HEALTH TECHNOLOGISTS AND TECHNICIANS

A203 Clinical Laboratory Technologists and Technicians
A204 Dental Hygienists
A205 Health Record Technologists and Technicians
A206 Radiologic Technicians
A207 Licensed Practical Nurses
A208 Health Technologists and Technicians, n.e.c.

ENGINEERING AND RELATED TECHNOLOGISTS AND TECHNICIANS

A213 Electrical and Electronic Technicians
A214 Industrial Engineering Technicians
A215 Mechanical Engineering Technicians
A216 Engineering Technicians, n.e.c.
A217 Drafters
A218 Surveying and Mapping Technicians

SCIENCE TECHNICIANS

A223 Biological Technicians
A224 Chemical Technicians
A225 Science Technicians, n.e.c.

MISCELLANEOUS TECHNICIANS

A226 Airplane Pilots and Navigators
A227 Air Traffic Controllers
A228 Broadcast Equipment Operators
A229 Computer Programmers
A233 Tool Programmers, Numerical Control
A234 Legal Assistants
A235 Technical and Related Occupations, n.e.c.

Major group B:

**EXECUTIVE, ADMINISTRATIVE, AND
MANAGERIAL OCCUPATIONS**

EXECUTIVES, ADMINISTRATORS, AND
MANAGERS

- B003 Legislators
- B004 Chief Executives and General Administrators,
Public Administration
- B005 Administrators and Officials, Public Adminis-
tration
- B007 Financial Managers
- B008 Personnel and Labor Relations Managers
- B009 Purchasing Managers
- B013 Managers: Marketing, Advertising, and Public
Relations
- B014 Administrators, Education and Related Fields
- B015 Managers, Medicine and Health
- B016 Postmasters and Mail Superintendents
- B017 Managers, Food Serving and Lodging
Establishments
- B018 Managers, Properties and Real Estate
- B019 Funeral Directors
- B021 Managers, Service Organizations, n.e.c.
- B022 Managers and Administrators, n.e.c.

MANAGEMENT RELATED OCCUPATIONS

- B023 Accountants and Auditors
- B024 Underwriters
- B025 Other Financial Officers
- B026 Management Analysts
- B027 Personnel, Training, and Labor Relations
Specialists
- B028 Purchasing Agents and Buyers, Farm Products
- B029 Buyers, Wholesale and Retail Trade, Except
Farm Products
- B033 Purchasing Agents and Buyers, n.e.c.
- B034 Business and Promotion Agents
- B035 Construction Inspectors
- B036 Inspectors and Compliance Officers, Except
Construction
- B037 Management Related Occupations, n.e.c.

Major group C:

SALES OCCUPATIONS

- C243 Supervisors: Sales Occupations

FINANCE AND BUSINESS SERVICES, SALES
REPRESENTATIVES

- C253 Insurance Sales Occupations

- C254 Real Estate Sales Occupations
- C255 Securities and Financial Services Sales Occupa-
tions
- C256 Advertising and Related Sales Occupations
- C257 Sales Occupations, Other Business Services

SALES REPRESENTATIVES, COMMODITIES
EXCEPT RETAIL

- C258 Sales Engineers
- C259 Sales Representatives: Mining, Manufactur-
ing, and Wholesale

RETAIL AND PERSONAL SERVICES SALES
WORKERS

- C263 Sales Workers, Motor Vehicles and Boats
- C264 Sales Workers, Apparel
- C265 Sales Workers, Shoes
- C266 Sales Workers, Furniture and Home Furnish-
ings
- C267 Sales Workers, Radio, TV, Hi-Fi, and Appli-
ances
- C268 Sales Workers, Hardware and Building
Supplies
- C269 Sales Workers, Parts
- C274 Sales Workers, Other Commodities
- C275 Sales Counter Clerks
- C276 Cashiers
- C277 Street and Door-To-Door Sales Workers
- C278 News Vendors

SALES RELATED OCCUPATIONS

- C283 Demonstrators, Promoters, and Models, Sales
- C284 Auctioneers
- C285 Sales Support Occupations, n.e.c.

Major group D:

**ADMINISTRATIVE SUPPORT OCCUPATIONS,
INCLUDING CLERICAL**

SUPERVISORS, CLERICAL AND ADMINISTRATIVE
SUPPORT

- D303 Supervisors: General Office
- D304 Supervisors: Computer Equipment Operators
- D305 Supervisors: Financial Records Processing
- D306 Chief Communications Operators
- D307 Supervisors: Distribution, Scheduling, and
Adjusting Clerks

COMPUTER EQUIPMENT OPERATORS

- D308 Computer Operators
- D309 Peripheral Equipment Operators

SECRETARIES, STENOGRAPHERS, AND TYPISTS

- D313 Secretaries
- D314 Stenographers
- D315 Typists

INFORMATION CLERKS

- D316 Interviewers
- D317 Hotel Clerks
- D318 Transportation Ticket and Reservation Agents
- D319 Receptionists
- D323 Information Clerks, n.e.c.

RECORDS PROCESSING CLERKS, EXCEPT FINANCIAL

- D325 Classified-Ad Clerks
- D326 Correspondence Clerks
- D327 Order Clerks
- D328 Personnel Clerks, Except Payroll and Time-keeping
- D329 Library Clerks
- D335 File Clerks
- D336 Records Clerks, n.e.c.

FINANCIAL RECORDS PROCESSING CLERKS

- D337 Bookkeepers, Accounting, and Auditing Clerks
- D338 Payroll and Timekeeping Clerks

- D339 Billing Clerks
- D343 Cost and Rate Clerks
- D344 Billing, Posting, and Calculating Machine Operators

DUPLICATING, MAIL, AND OTHER OFFICE MACHINE OPERATORS

- D345 Duplicating Machine Operators
- D346 Mail Preparing and Paper Handling Machine Operators
- D347 Office Machine Operators, n.e.c.

COMMUNICATIONS EQUIPMENT OPERATORS

- D348 Telephone Operators
- D353 Communications Equipment Operators, n.e.c.

MAIL AND MESSAGE DISTRIBUTING OCCUPATIONS

- D356 Mail Clerks, Except Postal Service
- D357 Messengers

MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING CLERKS

- D359 Dispatchers
- D363 Production Coordinators
- D364 Traffic, Shipping, and Receiving Clerks
- D365 Stock and Inventory Clerks
- D366 Meter Readers
- D368 Weighers, Measurers, Checkers, and Samplers
- D373 Expeditors
- D374 Material Recording, Scheduling, and Distributing Clerks, n.e.c.

ADJUSTERS AND INVESTIGATORS

- D375 Insurance Adjusters, Examiners, and Investigators
- D376 Investigators and Adjusters, Except Insurance
- D377 Eligibility Clerks, Social Welfare
- D378 Bill and Account Collectors

MISCELLANEOUS ADMINISTRATIVE SUPPORT OCCUPATIONS

- D379 General Office Clerks
- D383 Bank Tellers
- D384 Proofreaders
- D385 Data Entry Keyers
- D386 Statistical Clerks
- D387 Teachers' Aides
- D389 Administrative Support Occupations, n.e.c.

Major group E:

PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS

MECHANICS AND REPAIRERS

- E503 Supervisors: Mechanics and Repairers
- E505 Automobile Mechanics
- E506 Automobile Mechanic Apprentices
- E507 Bus, Truck, and Stationary Engine Mechanics
- E508 Aircraft Engine Mechanics
- E509 Small Engine Repairers
- E514 Automobile Body and Related Repairers
- E515 Aircraft Mechanics, Except Engine
- E516 Heavy Equipment Mechanics
- E517 Farm Equipment Mechanics
- E518 Industrial Machinery Repairers
- E519 Machinery Maintenance Occupations
- E523 Electronic Repairers, Communications and Industrial Equipment
- E525 Data Processing Equipment Repairers
- E526 Household Appliance and Power Tool Repairers

E527 Telephone Line Installers and Repairers
E529 Telephone Installers and Repairers
E534 Heating, Air Conditioning, and Refrigeration Mechanics
E535 Camera, Watch, and Musical Instrument Repairers
E536 Locksmiths and Safe Repairers
E538 Office Machine Repairers
E539 Mechanical Controls and Valve Repairers
E543 Elevator Installers and Repairers
E544 Millwrights
E547 Mechanics and Repairers, n.e.c.

SUPERVISORS, CONSTRUCTION TRADES

E553 Supervisors: Brickmasons, Stonemasons, and Tilersetters
E554 Supervisors: Carpenters and Related Workers
E555 Supervisors: Electricians and Power Transmission Installers
E556 Supervisors: Painters, Paperhangers, and Plasterers
E557 Supervisors: Plumbers, Pipefitters, and Steamfitters
E558 Supervisors: Construction Trades, n.e.c.

CONSTRUCTION TRADES OCCUPATIONS

E563 Brickmasons and Stonemasons
E564 Brickmason and Stonemason Apprentices
E565 Tile Setters, Hard and Soft
E566 Carpet Installers
E567 Carpenters
E569 Carpenter Apprentices
E573 Drywall Installers
E575 Electricians
E576 Electrician Apprentices
E577 Electrical Power Installers and Repairers
E579 Painters, Construction and Maintenance
E583 Paperhangers
E584 Plasterers
E585 Plumbers, Pipefitters, and Steamfitters
E587 Plumber, Pipefitter, and Steamfitter Apprentices
E588 Concrete and Terrazzo Finishers
E589 Glaziers
E593 Insulation Workers
E594 Paving, Surfacing, and Tamping Equipment Operators
E595 Roofers
E596 Sheetmetal Duct Installers
E597 Structural Metal Workers
E598 Drillers, Earth
E599 Construction Trades, n.e.c.

EXTRACTIVE OCCUPATIONS

E613 Supervisors: Extractive Occupations
E614 Drillers, Oil Well
E615 Explosives Workers
E616 Mining Machine Operators
E617 Mining Occupations, n.e.c.

PRECISION PRODUCTION OCCUPATIONS

E628 Supervisors: Production Occupations

PRECISION METAL WORKING OCCUPATIONS

E634 Tool and Die Makers
E635 Tool and Die Maker Apprentices
E636 Precision Assemblers, Metal
E637 Machinists
E639 Machinist Apprentices
E643 Boilermakers
E644 Precision Grinders, Filers, and Tool Sharpeners
E645 Patternmakers and Modelmakers, Metal
E646 Layout Workers
E647 Precious Stones and Metals Workers
E649 Engravers, Metal
E653 Sheet Metal Workers
E654 Sheet Metal Worker Apprentices

PRECISION WOODWORKING OCCUPATIONS

E656 Patternmakers and Modelmakers, Wood
E657 Cabinet Makers and Bench Carpenters
E658 Furniture and Wood Finishers

PRECISION TEXTILE, APPAREL, AND FURNISHINGS MACHINE WORKERS

E666 Dressmakers
E667 Tailors
E668 Upholsterers
E669 Shoe Repairers

PRECISION WORKERS, ASSORTED MATERIALS

E675 Hand Molders and Shapers, Except Jewelers
E676 Patternmakers, Layout Workers, and Cutters
E677 Optical Goods Workers
E678 Dental Laboratory and Medical Appliance Technicians
E679 Bookbinders
E683 Electrical and Electronic Equipment Assemblers
E684 Miscellaneous Precision Workers, n.e.c.

PRECISION FOOD PRODUCTION OCCUPATIONS

- E685 Precision Food Production Occupations, n.e.c.
- E686 Butchers and Meat Cutters
- E687 Bakers
- E688 Food Batchmakers

PRECISION INSPECTORS, TESTERS, AND RELATED WORKERS

- E689 Inspectors, Testers, and Graders
- E690 Precision Inspectors, Testers, and Related Workers, n.e.c.
- E693 Adjusters and Calibrators

PLANT AND SYSTEM OPERATORS

- E694 Water and Sewage Treatment Plant Operators
- E695 Power Plant Operators
- E696 Stationary Engineers
- E699 Miscellaneous Plant and System Operators, n.e.c.

Major group F:

MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS

METALWORKING AND PLASTIC WORKING MACHINE OPERATORS

- F703 Lathe and Turning-Machine Set-Up Operators
- F704 Lathe and Turning-Machine Operators
- F705 Milling and Planing Machine Operators
- F706 Punching and Stamping Press Operators
- F707 Rolling Machine Operators
- F708 Drilling and Boring Machine Operators
- F709 Grinding, Abrading, Buffing, and Polishing Machine Operators
- F713 Forging Machine Operators
- F714 Numerical Control Machine Operators
- F717 Fabricating Machine Operators, n.e.c.
- F719 Molding and Casting Machine Operators
- F723 Metal Plating Machine Operators
- F724 Heat Treating Equipment Operators

WOODWORKING MACHINE OPERATORS

- F726 Wood Lathe, Routing, and Planing Machine Operators
- F727 Sawing Machine Operators
- F728 Shaping and Joining Machine Operators
- F729 Nailing and Tacking Machine Operators

PRINTING MACHINE OPERATORS

- F734 Printing Press Operators
- F735 Photoengravers and Lithographers
- F736 Typesetters and Compositors

TEXTILE, APPAREL, AND FURNISHINGS MACHINE OPERATORS

- F738 Winding and Twisting Machine Operators
- F739 Knitting, Looping, Taping, and Weaving Machine Operators
- F743 Textile Cutting Machine Operators
- F744 Textile Sewing Machine Operators
- F745 Shoe Machine Operators
- F747 Pressing Machine Operators
- F748 Laundering and Dry Cleaning Machine Operators

MACHINE OPERATORS, ASSORTED MATERIALS

- F753 Cementing and Gluing Machine Operators
- F754 Packaging and Filling Machine Operators
- F755 Extruding and Forming Machine Operators
- F756 Mixing and Blending Machine Operators
- F757 Separating, Filtering, and Clarifying Machine Operators
- F758 Compressing and Compacting Machine Operators
- F759 Painting and Paint Spraying Machine Operators
- F763 Roasting and Baking Machine Operators, Food
- F764 Washing, Cleaning, and Pickling Machine Operators
- F765 Folding Machine Operators
- F766 Furnace, Kiln, and Oven Operators, Except Food
- F768 Crushing and Grinding Machine Operators
- F769 Slicing and Cutting Machine Operators
- F773 Motion Picture Projectionists
- F774 Photographic Process Machine Operators
- F777 Miscellaneous Machine Operators, n.e.c.

FABRICATORS, ASSEMBLERS, AND HAND WORKING OCCUPATIONS

- F783 Welders and Cutters
- F784 Solderers and Brazers
- F785 Assemblers
- F786 Hand Cutting and Trimming Occupations
- F787 Hand Molding, Casting, and Forming Occupations
- F789 Hand Painting, Coating, and Decorating Occupations
- F793 Hand Engraving and Printing Occupations
- F795 Miscellaneous Hand Working Occupations, n.e.c.

PRODUCTION INSPECTORS, TESTERS, SAMPLERS,
AND WEIGHERS

- F796 Production Inspectors, Checkers, and Examiners
- F797 Production Testers
- F798 Production Samplers and Weighers
- F799 Graders and Sorters, Except Agricultural
- F800 Hand Inspectors, n.e.c.

Major group G:

**TRANSPORTATION AND MATERIAL MOVING
OCCUPATIONS**

MOTOR VEHICLE OPERATORS

- G803 Supervisors: Motor Vehicle Operators
- G804 Truck Drivers
- G806 Driver-Sales Workers
- G808 Bus Drivers
- G809 Taxicab Drivers and Chauffeurs
- G813 Parking Lot Attendants
- G814 Motor Transportation Occupations, n.e.c.

RAILROAD TRANSPORTATION OCCUPATIONS

- G823 Railroad Conductors and Yardmasters
- G824 Locomotive Operating Occupations
- G825 Railroad Brake, Signal, and Switch Operators
- G826 Rail Vehicle Operators, n.e.c.

WATER TRANSPORTATION OCCUPATIONS

- G828 Ship Captains and Mates, Except Fishing Boats
- G829 Sailors and Deckhands
- G833 Marine Engineers
- G834 Bridge, Lock, and Lighthouse Tenders

MATERIAL MOVING EQUIPMENT OPERATORS

- G843 Supervisors: Material Moving Equipment Operators
- G844 Operating Engineers
- G845 Longshore Equipment Operators
- G848 Hoist and Winch Operators
- G849 Crane and Tower Operators
- G853 Excavating and Loading Machine Operators
- G855 Grader, Dozer, and Scraper Operators
- G856 Industrial Truck and Tractor Equipment Operators
- G859 Miscellaneous Material Moving Equipment Operators, n.e.c.

Major group H:

**HANDLERS, EQUIPMENT CLEANERS, HELPERS,
AND LABORERS**

FARM, FISHING, AND FORESTRY OCCUPATIONS -
NONFARM SECTOR

- H483 Marine Life Cultivation Workers
- H484 Nursery Workers
- H485 Supervisors: Agriculture-Related Workers
- H486 Groundskeepers and Gardeners, Except Farm
- H487 Animal Caretakers, Except Farm
- H489 Inspectors, Agricultural Products
- H494 Supervisors: Forestry and Logging Workers
- H495 Forestry Workers, Except Logging
- H496 Timber Cutting and Logging Occupations
- H497 Captains and Other Officers, Fishing Vessels
- H498 Fishers, Hunters, and Trappers

HELPERS, HANDLERS, AND LABORERS

- H864 Supervisors: Handlers, Equipment Cleaners, and Laborers, n.e.c.
- H865 Helpers, Mechanics and Repairers
- H866 Helpers, Construction Trades
- H867 Helpers, Surveyor
- H868 Helpers, Extractive Occupations
- H869 Construction Laborers
- H874 Production Helpers
- H875 Garbage Collectors
- H876 Stevedores
- H877 Stock Handlers and Baggers
- H878 Machine Feeders and Offbearers
- H883 Freight, Stock, and Material Handlers, n.e.c.
- H885 Garage and Service Station Related Occupations
- H887 Vehicle Washers and Equipment Cleaners
- H888 Hand Packers and Packagers
- H889 Laborers, Except Construction, n.e.c.

Major group K:

**SERVICE OCCUPATIONS, EXCEPT PRIVATE
HOUSEHOLD**

PROTECTIVE SERVICE OCCUPATIONS

- K413 Supervisors: Firefighting and Fire Prevention Occupations
- K414 Supervisors: Police and Detectives
- K415 Supervisors: Guards
- K416 Fire Inspection and Fire Prevention Occupations

- K417 Firefighting Occupations
- K418 Police and Detectives, Public Service
- K423 Sheriffs, Bailiffs, and Other Law Enforcement Officers
- K424 Correctional Institution Officers
- K425 Crossing Guards
- K426 Guards and Police, Except Public Service
- K427 Protective Service Occupations, n.e.c.

FOOD SERVICE OCCUPATIONS

- K433 Supervisors: Food Preparation and Service Occupations
- K434 Bartenders
- K435 Waiters and Waitresses
- K436 Cooks
- K438 Food Counter, Fountain, and Related Occupations
- K439 Kitchen Workers, Food Preparation
- K443 Waiters'/Waitresses' Assistants
- K444 Food Preparation Occupations, n.e.c.

HEALTH SERVICE OCCUPATIONS

- K445 Dental Assistants

- K446 Health Aides, Except Nursing
- K447 Nursing Aides, Orderlies, and Attendants

CLEANING AND BUILDING SERVICE OCCUPATIONS

- K448 Supervisors: Cleaning and Building Service Workers
- K449 Maids and Housemen
- K453 Janitors and Cleaners
- K454 Elevator Operators
- K455 Pest Control Occupations

PERSONAL SERVICE OCCUPATIONS

- K456 Supervisors: Personal Service Occupations
- K457 Barbers
- K458 Hairdressers and Cosmetologists
- K459 Attendants, Amusement and Recreation Facilities
- K461 Guides
- K462 Ushers
- K463 Public Transportation Attendants
- K464 Baggage Porters and Bellhops
- K465 Welfare Service Aides
- K467 Early Childhood Teacher's Assistants
- K468 Child Care Workers, n.e.c.
- K469 Service Occupations, n.e.c.

Appendix C.

Generic Leveling Criteria

Below are the 10 criteria for the generic leveling of occupations. The description of each level within a factor is included. An example of using these criteria for leveling a job follows in appendix D.

KNOWLEDGE measures the nature and extent of information or facts that the workers must understand to do acceptable work (e.g., steps, procedures, practices, rules, policies, theories, principles, and concepts) and the nature and extent of the skills needed to apply those forms of knowledge. To be used as a basis for selecting a level under this factor, the knowledge must be required and applied.

1. Knowledge of simple, routine, or repetitive tasks or operations that typically includes following step-by-step instructions and requires little or no previous training or experience;

OR

Skill to operate simple equipment or equipment that operates repetitively, requiring little or no previous training or experience;

OR

Equivalent knowledge and skill.

2. Knowledge of basic or commonly used rules, procedures, or operations that typically requires some previous training or experience;

OR

Basic skill to operate equipment requiring some previous training or experience, such as keyboard equipment;

OR

Equivalent knowledge and skill.

3. Knowledge of a body of standardized rules, procedures, operations, goods, services, tools, or equipment, requiring considerable training and experience to perform the full range of standard clerical assignments and resolve recurring problems;

OR

Skill, acquired through considerable training and experience, to operate and adjust varied equipment for purposes such as performing numerous standardized tests or operations;

OR

Equivalent knowledge and skill.

4. Knowledge of an extensive body of rules, procedures, operations, products, or services, requiring extended training and experience to perform a wide variety of interrelated or nonstandard procedural assignments and resolve a wide range of problems;

OR

Practical knowledge of standard procedures in a technical field, requiring extended training or experience, to perform such work as: Adapting equipment when this requires considering the functioning characteristics of equipment; interpreting results of tests based on previous experience and observations (rather than directly reading instruments or other measures); or extracting information from various sources when this requires considering the applicability of information and the characteristics and quality of the sources;

OR

Comprehensive knowledge of a blue-collar skill, usually acquired through a formal apprenticeship;

OR

Equivalent knowledge and skill.

5. Knowledge (such as would be acquired through a pertinent baccalaureate educational program or its equivalent in experience, training, or independent study) of basic principles, concepts, and methodology of a professional or administrative occupation, and skill in applying this knowledge in carrying out elementary assignments, operations, or procedures;

OR

In addition to the practical knowledge of standard procedures in Level 4, practical knowledge of technical methods to perform assignments such as carrying out limited projects that involve use of specialized, complicated techniques;

OR

Advanced knowledge of a blue-collar skill to solve unusually complex problems;

OR

Equivalent knowledge and skill.

6. Knowledge of the principles, concepts, and methodology of a professional or administrative occupation, as described at Level 5, that has been either: (a) Supplemented by skill gained through job experience to permit independent per-

formance of recurring assignments, or (b) supplemented by expanded professional or administrative knowledge, gained through relevant graduate study or experience, that has provided skill in carrying out assignments, operations, and procedures in the occupation that are significantly more difficult and complex than those covered by Level 5;

OR

Practical knowledge of a wide range of technical methods, principles, and practices similar to a narrow area of a professional field, and skill in applying this knowledge to such assignments as the design and planning of difficult, but well-precedented projects;

OR

Equivalent knowledge and skill.

7. Knowledge of a wide range of concepts, principles, and practices in a professional or administrative occupation, such as would be gained through extended graduate study or experience, and skill in applying this knowledge to difficult and complex work assignments;

OR

A comprehensive, intensive, practical knowledge of a technical field and skill in applying this knowledge to the development of new methods, approaches, or procedures;

OR

Equivalent knowledge and skill.

8. Mastery of a professional or administrative field to:

Apply experimental theories and new developments to problems not susceptible to treatment by accepted methods;

OR

Make decisions or recommendations significantly changing, interpreting, or developing important policies or programs;

OR

Equivalent knowledge and skill.

9. Mastery of a professional field to generate and develop new hypotheses and theories;

OR

Equivalent knowledge and skill.

SUPERVISION RECEIVED covers the nature and extent of direct or indirect controls exercised by the supervisor, the employee's responsibility, and the review of completed work. Controls are exercised by the supervisor in the way assignments are made, instructions are given to the employee, priorities and deadlines are set, and objectives and boundaries are defined. Responsibility of the employee depends upon the extent to which the employee is expected to develop the sequence and timing of various aspects of the work, to modify or recommend modification of instructions, and to participate in establishing priorities and defining objectives. The degree of review of completed work depends upon the nature and extent of the review, e.g., close and detailed review of each phase of the assignment; detailed review of

the finished assignment; spot-check of finished work for accuracy; or review only for adherence to policy.

1. For both one-of-a-kind and repetitive tasks, the supervisor makes specific assignments that are accompanied by clear, detailed, and specific instructions.

The employee works as instructed and consults with the supervisor as needed on all matters not specifically covered in the original instructions or guidelines.

For all positions, the work is closely controlled. For some positions, the control is through the structured nature of the work itself; for others, it may be controlled by the circumstances in which it is performed. In some situations, the supervisor maintains control through review of the work, which may include checking progress or reviewing completed work for accuracy, adequacy, and adherence to instructions and established procedures.

2. The supervisor provides continuing or individual assignments by indicating generally what is to be done, limitations, quality and quantity expected, deadlines, and priority of assignments. The supervisor provides additional, specific instructions for new, difficult, or unusual assignments including suggested work methods or advice on source material available.

The employee uses initiative in carrying out recurring assignments independently without specific instruction, but refers deviations, problems, and unfamiliar situations not covered by instructions to the supervisor for decision or help.

The supervisor assures that finished work and methods used are technically accurate and in compliance with instructions or established procedures. Review of the work increases with more difficult assignments if the employee has not previously performed similar assignments.

3. The supervisor makes assignments by defining objectives, priorities, and deadlines; and assists employee with unusual situations that do not have clear precedents.

The employee plans and carries out the successive steps and handles problems and deviations in the work assignment in accordance with instructions, policies, previous training, or accepted practices in the occupation.

Completed work usually is evaluated for technical soundness, appropriateness, and conformity to policy and requirements. The methods used in arriving at the end results are not usually reviewed in detail.

4. The supervisor sets the overall objectives and resources available. The employee and supervisor, in consultation, develop the deadlines, projects, and work to be done.

At this level, the employee, having developed expertise in the line of work, is responsible for planning and carrying out the assignment; resolving most of the conflicts that arise; coordinating the work with others as necessary; and interpreting policy on own initiative in terms of established objectives. In some assignments, the employee also deter-

mines the approach to be taken and the methodology to be used. The employee keeps the supervisor informed of progress, potentially controversial matters, or far-reaching implications.

Completed work is reviewed only from an overall standpoint in terms of feasibility, compatibility with other work, or effectiveness in meeting requirements or expected results.

5. The supervisor provides administrative direction with assignments in terms of broadly defined missions or functions.

The employee has responsibility for planning, designing, and carrying out programs, projects, studies, or other work independently.

Results of the work are considered as technically authoritative and are normally accepted without significant change. If the work should be reviewed, the review concerns such matters as fulfillment of program objectives, effect of advice and influence on the overall program, or the contribution to the advancement of technology. Recommendations for new projects and alteration of objectives usually are evaluated for such considerations as availability of funds and other resources, broad program goals, or priorities.

GUIDELINES covers the nature of guidelines and the judgment needed to apply them. Guidelines used include, for example: Desk manuals, established procedures and policies, traditional practices, and reference materials such as dictionaries, style manuals, engineering handbooks, and the pharmacopoeia.

Individual jobs in different occupations vary in the specificity, applicability and availability of the guidelines for performance of assignments. Consequently, the constraints and judgmental demands placed upon employees also vary. For example, the existence of specific instructions, procedures, and policies may limit the opportunity of the employee to make or recommend decisions or actions. However, in the absence of procedures or under broadly stated objectives, employees in some occupations may use considerable judgment in researching literature and developing new methods.

Guidelines should not be confused with the forms of knowledge described under Factor 1, Knowledge. Guidelines either provide reference data or impose certain constraints on the use of knowledge. For example, in the field of medical technology, there may be three or four standardized tests for a particular diagnosis set forth in a technical manual. A medical technologist is expected to know these diagnostic tests. However, in a given laboratory, the policy may be to use only one of the tests; or the policy may state specifically under what conditions one or the other of these tests may be used.

1. Specific, detailed guidelines covering all important aspects of the assignment are provided to the employee. The employee works in strict adherence to the guidelines; deviations must be authorized by the supervisor.

2. Procedures for doing the work have been established and a number of specific guidelines are available.

The number and similarity of guidelines and work situations require the employee to use judgment in locating and selecting the most appropriate guidelines, references, and procedures for application, and in making minor deviations to adapt the guidelines in specific cases. At this level, the employee may also determine which of several established alternatives to use. Situations to which the existing guidelines cannot be applied or significant proposed deviations from the guidelines are referred to the supervisor.

3. Guidelines are available, but are not completely applicable to the work or have gaps in specificity.

The employee uses judgment in interpreting and adapting guidelines such as policies, regulations, precedents, and work directions for application to specific cases or problems. The employee analyzes results and recommends changes.

4. Administrative policies and precedents are applicable but are stated in general terms. Guidelines for performing the work are scarce or of limited use.

The employee uses initiative and resourcefulness in deviating from traditional methods or researching trends and patterns to develop new methods, criteria, or proposed new policies.

5. Guidelines are broadly stated and nonspecific, e.g., broad policy statements and basic legislation that require extensive interpretation.

The employee must use judgment and ingenuity in interpreting the intent of the guidelines that do exist and in developing applications to specific areas of work. Frequently, the employee is recognized as a technical authority in the development and interpretation of guidelines.

COMPLEXITY covers the nature, number, variety, and intricacy of tasks, steps, processes, or methods in the work performed; the difficulty in identifying what needs to be done; and the difficulty and originality involved in performing the work.

1. The work consists of tasks that are clear-cut and directly related.

There is little or no choice to be made in deciding what needs to be done.

Actions to be taken or responses to be made are readily discernible. The work is quickly mastered.

2. The work consists of duties that involve related steps, processes, or methods.

The decision regarding what needs to be done involves various choices requiring the employee to recognize the existence of and differences among a few easily recognizable situations.

Actions to be taken or responses to be made differ in re-

gard to such things as the source of information, the kind of transactions or entries, or other matters of a factual nature.

3. The work includes various duties involving different and unrelated processes and methods.

The decision regarding what needs to be done depends upon the analysis of the subject, phase, or issues involved in each assignment, and the chosen course of action may have to be selected from many alternatives.

The work involves conditions and elements that must be identified and analyzed to discern interrelationships.

4. The work typically includes varied duties requiring many different and unrelated processes and methods, such as those relating to well-established aspects of an administrative or professional field.

Decisions regarding what needs to be done include the assessment of unusual circumstances, variations in approach, and incomplete or conflicting data.

The work requires making many decisions concerning such things as the interpreting of considerable data, planning of the work, or refining the methods and techniques to be used.

5. The work includes varied duties requiring many different and unrelated processes and methods applied to a broad range of activities or substantial depth of analysis, typically for an administrative or professional field.

Decisions regarding what needs to be done include major areas of uncertainty in approach, methodology, or interpretation and evaluation processes resulting from such elements as continuing changes in program, technological developments, unknown phenomena, or conflicting requirements.

The work requires originating new techniques, establishing criteria, or developing new information.

6. The work consists of broad functions and processes of an administrative or professional field. Assignments are characterized by breadth and intensity of effort and involve several phases being pursued concurrently or sequentially with the support of others within or outside of the organization.

Decisions regarding what needs to be done include largely undefined issues and elements, requiring extensive probing and analysis to determine the nature and scope of the problems.

The work requires continuing efforts to establish concepts, theories, or programs, or to resolve unyielding problems.

SCOPE AND EFFECT covers the relationship between the nature of the work, i.e., the purpose, breadth, and depth of the assignment, and the effect of work products or services both within and outside the organization.

Effect measures such things as whether the work output facilitates the work of others, provides timely services of a personal nature, or affects the adequacy of research conclusions. The concept of effect alone does not provide sufficient

information to properly understand and evaluate the impact of the position. The scope of the work completes the picture, allowing consistent evaluations. Only the effect of properly performed work is to be considered.

1. The work involves the performance of specific, routine operations that include a few separate tasks or procedures.

The work product or service is required to facilitate the work of others; however, it has little impact beyond the immediate organizational unit or beyond the timely provision of limited services to others.

2. The work involves the execution of specific rules, regulations, or procedures and typically comprises a complete segment of an assignment or project of broader scope.

The work product or service affects the accuracy, reliability, or acceptability of further processes or services.

3. The work involves treating a variety of conventional problems, questions, or situations in conformance with established criteria.

The work product or service affects the design or operation of systems, programs, or equipment; the adequacy of such activities as field investigations, testing operations, or research conclusions; or the social, physical, and economic well-being of persons.

4. The work involves establishing criteria; formulating projects; assessing program effectiveness; or investigating or analyzing variety of unusual conditions, problems, or questions.

The work product or service affects a wide range of establishment activities, major activities of industrial concerns, or the operation of other organizations.

5. The work involves isolating and defining unknown conditions, resolving critical problems, or developing new theories.

The work product or service affects the work of other experts, the development of major aspects of administrative or scientific programs or missions, or the well-being of substantial numbers of people.

6. The work involves planning, developing, and carrying out vital administrative or scientific programs.

The programs are essential to the missions of the overall organization or affect large numbers of people on a long-term or continuing basis.

PERSONAL CONTACTS includes face-to-face contacts and telephone and radio dialogue with persons not in the supervisory chain. (NOTE: Personal contacts with supervisors are covered under Factor 2, Supervision Received.) Levels described under this factor are based on what is required to make the initial contact, the difficulty of communicating with those contacted, and the setting in which the

contact takes place (e.g., the degree to which the employee and those contacted recognize their relative roles and authorities).

Above the lowest level, points should be credited under this factor only for contacts that are essential for successful performance of the work, and that have a demonstrable impact on the difficulty and responsibility of the work performed.

The relationship of Factors 6 (Personal Contacts) and 7 (Purpose of Contacts) presumes that the same contacts will be evaluated for both factors. Therefore, the personal contacts that serve as the basis for the level selected for Factor 7 are used as the basis for selecting a level for Factor 6.

1. The personal contacts are with employees within the immediate organization, office, project, or work unit, and in related or support units;

AND/OR

The contacts are with members of the general public in very highly structured situations (e.g., the purpose of the contact and the question of whom to deal with are relatively clear). Typical of contacts at this level are purchases of admission tickets at a ticket window.

2. The personal contacts are with employees in the same overall organization, but outside the immediate organization. People contacted generally are engaged in different functions, missions, and kinds of work, and might include representatives from various levels within the overall organizations such as headquarters, district offices, or local offices, plants, stores, or other operating units in the immediate installation;

AND/OR

The contacts are with members of the general public, as individuals or groups, in a moderately structured setting (e.g., the contacts are generally established on a routine basis, usually at the employee's work place; the exact purpose of the contact may be unclear at first to one or more of the parties; and one or more of the parties may be uninformed concerning the role and authority of other participants).

3. The personal contacts are with individuals or groups from outside the employing establishment in a moderately unstructured setting (e.g., the contacts are not established on a routine basis; the purpose and extent of each contact are different and the role and authority of each party are identified and developed during the course of the contact). Typical of contacts at this level are those with persons in their capacities as attorneys; contractors; or representatives of professional organizations, the news media, or public action groups.

4. The personal contacts are with high-ranking officials from outside the employing establishment at national or international levels in highly unstructured settings (e.g., contacts are characterized by problems such as: the officials may be

relatively inaccessible; arrangements may have to be made for accompanying staff members; appointments may have to be made well in advance; each party may be very unclear as to the role and authority of the other; and each contact may be conducted under different ground rules). Typical of contacts at this level are those with presidents of large national or international firms, nationally recognized representatives of the news media, presidents of national unions, members of Congress, leading representatives of foreign governments, State governors, or mayors of large cities.

PURPOSE OF CONTACTS ranges from factual exchanges of information to situations involving significant or controversial issues and differing viewpoints, goals, or objectives. The personal contacts that serve as the basis for the level selected for this factor must be the same as the contacts that are the basis for the level selected for Factor 6.

1. The purpose is to obtain, clarify, or give facts or information, regardless of the nature of those facts, i.e., the facts or information may range from easily understood to highly technical.

2. The purpose is to plan, coordinate, or advise on work efforts or to resolve operating problems by influencing or motivating individuals or groups who are working toward mutual goals and who have basically cooperative attitudes.

3. The purpose is to influence, motivate, convince, or question persons or groups. Those contacted may be hesitant or skeptical, so the employee must be skillful in approaching the individual or group in order to obtain the desired response;

OR

The purpose is to interrogate or control persons or groups who may be fearful, uncooperative, or dangerous. Therefore, the employee must be skillful in approaching the individual or group in order to obtain the desired effect, such as gaining compliance with established policies and regulations by persuasion or negotiation, or gaining information by establishing rapport with a suspicious informant.

4. The purpose is to justify, defend, negotiate, or settle matters involving significant or controversial issues. Work at this level usually involves active participation in conferences, meetings, hearings, or presentations involving problems or issues of considerable consequence or importance. The persons contacted typically have diverse viewpoints, goals, or objectives requiring the employee to achieve a common understanding of the problem and a satisfactory solution by convincing them, arriving at a compromise, or developing suitable alternatives.

PHYSICAL DEMANDS covers the requirements and physical demands placed on the employee by the work assignment. This includes physical characteristics and abili-

ties (e.g., specific agility and dexterity requirements) and the physical exertion involved in the work (e.g., climbing, lifting, pushing, balancing, stooping, kneeling, crouching, crawling, or reaching). To some extent, the frequency or intensity of physical exertion must also be considered, e.g., a job requiring prolonged standing involves more physical exertion than a job requiring intermittent standing.

1. The work is sedentary. Typically, the employee may sit comfortably to do the work. However, there may be some walking; standing; bending; carrying of light items such as papers, books, or small parts; driving an automobile, etc. No special physical demands are required to perform the work.

2. The work requires some physical exertion, such as long periods of standing; walking over rough, uneven, or rocky surfaces; recurring bending, crouching, stooping, stretching, reaching, or similar activities; recurring lifting of moderately heavy items such as personal computers and record boxes. The work may require specific, but common, physical characteristics and abilities such as above-average agility and dexterity.

3. The work requires considerable and strenuous physical exertion such as frequent climbing of tall ladders, lifting heavy objects over 50 pounds, crouching or crawling in restricted areas, and defending oneself or others against physical attack.

WORK ENVIRONMENT considers the risks and discomforts in the employee's physical surroundings or the nature of the work assignment and the safety regulations required. Although the use of safety precautions can practically eliminate a certain danger or discomfort, such situations typically place additional demands upon the employee in complying with safety regulations and techniques.

1. The work environment involves everyday risks or discomforts that require normal safety precautions typical of such places as offices, meeting and training rooms, libraries, and residences or commercial vehicles, e.g., use of safe work practices with office equipment, avoidance of trips and falls, observance of fire regulations and traffic.

2. The work involves moderate risks or discomforts that require special safety precautions, e.g., working around moving parts, carts, or machines; with contagious diseases or irritant chemicals; etc. Employees may be required to use protective clothing or gear such as masks, gowns, coats, boots, goggles, gloves, or shields.

3. The work environment involves high risks of exposure to potentially dangerous situations or unusual environmental stress that require a range of safety and other precautions, e.g., working at great heights under extreme outdoor weather conditions, subject to possible physical attack or mob conditions, or in similar situations where conditions cannot be controlled.

SUPERVISORY DUTIES describes the level of supervisory responsibility for a position.

1. No supervisory responsibility.

2. A nonsupervisory position. Incumbent sets the pace of work for the group and shows other workers in the group how to perform assigned tasks. Commonly performs the same work as the group, in addition to lead duties. Can also be called group leader, team leader, or lead worker.

3. Directs staff through face to face meetings. Organizational structure is not complex and internal and administrative procedures are simple. Performing the same work as subordinates is not the principal duty. Typically, this is the first supervisory level.

4. Directs staff through intermediate supervisors. Internal procedures and administrative controls are formal. Organizational structure is complex and is divided into subordinate groups that may differ from each other as to subject matter and function.

5. Directs staff through two or more subordinate supervisory levels with several subdivisions at each level. Programs are usually interlocked on a direct and continuing basis with other organizational segments, requiring constant attention to extensive formal coordination, clearances, and procedural controls.

Appendix D.

Evaluating Your Firm's Jobs

To compare data on their firm's jobs with statistics contained in this bulletin, data users need to be able to determine their jobs' work levels. Using the example of a dental hygienist, this appendix will go through the procedure for determining the work level of a particular job.

To determine the work level of a job, it must be evaluated using the generic leveling factors. With the information available, such as a written position description and other knowledge of the job, each factor must be reviewed. Comparing that information to the descriptions of each level within a factor as shown in appendix C, the level best matching the job should be chosen and recorded. (Note that the number of levels varies by factor.)

Generic leveling: an example

Knowledge

Hygienist must have a dental hygienist license, which requires 2 years of schooling and passage of a technical exam. This is a mid-level hygienist job, which means that a worker must have at least 3 years of experience. The procedures are essentially the same every day, such as cleaning teeth, checking gums, and taking x-rays.

Level 4.

Supervision received

Most of the tasks are performed without supervision. For more complicated procedures, such as tooth filling, the dental hygienist assists the dentist.

Level 2.

Guidelines

A hygienist knows which procedure to use for different dental problems. Unusual situations are handled after checking with the supervisor.

Level 2.

Complexity

Each procedure performed leads to the next, for example, examining gums, scraping plaque, then cleaning teeth.

Level 2.

Scope and effect

In terms of process, the dentist's work follows the hygienist's. In terms of effect, the hygienist's doing a thorough cleaning in preparation for the dentist's work allows the dentist to do a complete exam and properly treat the patient.

Level 2.

Personal contacts

Patients come to the clinic or, occasionally, the hygienist will travel to perform work or give a talk at a school.

Level 2.

Purpose of contacts

Most of hygienist's interaction is with patients; no planning or coordination work is involved.

Level 1.

Physical demands

The work is sedentary.

Level 1.

Work environment

Hygienist must take precautions not to be exposed to x-rays, punctures, etc.

Level 2.

Supervisory duties

A dental hygienist at this level does not supervise anyone.

Level 1.

Assigning points

Once the correct level has been identified within each factor, the points associated with each level are recorded. Summing the points for all factors gives the total points for the job. Using the factors above and the table at the end of this section showing the points associated with each level within a factor, a sample worksheet was filled out for the dental hygienist position.

Generic leveling worksheet

Company job title: Dental Hygienist

Factor	Level	Points
Knowledge	4	550
Supervision received	2	125
Guidelines	2	125
Complexity	2	75
Scope and effect	2	75
Personal contacts	2	25
Purpose of contacts	1	20
Physical demands	1	5
Work environment	2	20
Supervisory duties	1	0
Total	5	1,020

Point ranges by work level

Range of Generic Level Points		
Level	Low	High
1	190	254
2	255	454
3	455	654
4	655	854
5	855	1,104
6	1,105	1,354
7	1,355	1,604
8	1,605	1,854
9	1,855	2,104
10	2,105	2,354
11	2,355	2,754
12	2,755	3,154
13	3,155	3,604
14	3,605	4,054
15	4,055 and up	

Determining the work level

The following chart takes the point total determined using the worksheet and converts it to an overall work level for the job. There are 15 work levels, based on those used to rank Federal civil service white-collar jobs, each identified by a point range. The 1,020 total points for the dental hygienist job puts it in level 5.

Comparing wages

Once the work level has been identified for a job, wages for that job can be compared to wages for similar jobs at the same work level. BLS publishes hourly wage rates by work level within nine major occupational groups, which are combinations of similar individual occupations. The groups and work levels available vary by area. Employers also can use the data on work levels to compare different jobs in their establishment.

Points associated with each factor level

Factor	1	2	3	4	5	6	7	8	9
Knowledge	50	200	350	550	750	950	1,250	1,550	1,850
Supervision received	25	125	275	450	650	X	X	X	X
Guidelines	25	125	275	450	650	X	X	X	X
Complexity	25	75	150	225	325	450	X	X	X
Scope and effect	25	75	150	225	325	450	X	X	X
Personal contacts	10	25	60	110	X	X	X	X	X
Purpose of contacts	20	50	120	220	X	X	X	X	X
Physical demands	5	20	50	X	X	X	X	X	X
Work environment	5	20	50	X	X	X	X	X	X
Supervisory duties	0	0	0	0	0	X	X	X	X

Note: X indicates that a level is not associated with a given factor. For example, for physical demands, point levels 1, 2, and 3 are the only choices.

Appendix E: Census Divisions and Survey Areas

This appendix lists the nine census divisions, the States included in each division, and the 154 metropolitan and nonmetropolitan areas surveyed under the NCS.

Census Division and States

NEW ENGLAND	MIDDLE ATLANTIC ¹	EAST NORTH CENTRAL ²	WEST NORTH CENTRAL ³
Connecticut	New Jersey	Illinois	Iowa
Maine	New York	Indiana	Kansas
Massachusetts	Pennsylvania	Michigan	Minnesota
New Hampshire		Ohio	Missouri
Rhode Island		Wisconsin	Nebraska
Vermont			North Dakota
			South Dakota
SOUTH ATLANTIC	EAST SOUTH CENTRAL ⁴	WEST SOUTH CENTRAL	MOUNTAIN
Delaware	Alabama	Arkansas	Arizona
District of Columbia	Kentucky	Louisiana	Colorado
Florida	Mississippi	Oklahoma	Idaho
Georgia	Tennessee	Texas	Montana
Maryland			Nevada
North Carolina			New Mexico
South Carolina			Utah
Virginia			Wyoming
West Virginia			
PACIFIC			
Alaska			
California			
Hawaii			
Oregon			
Washington			

¹ The Middle Atlantic census division also includes the New York, NY, Consolidated Metropolitan Statistical Area (which comprises parts of New York, New Jersey, Connecticut, and Pennsylvania), and the Philadelphia, PA, Consolidated Metropolitan Statistical Area (which comprises parts of Pennsylvania, New Jersey, Delaware, and Maryland).

² The East North Central census division also includes the Cincinnati, OH, Consolidated Metropolitan Statistical Area (which comprises parts of Ohio, Kentucky, and Indiana).

³ The West North Central census division also includes the St. Louis, MO, Consolidated Metropolitan Statistical Area (which comprises parts of Missouri and Illinois), and the Minneapolis-St. Paul, MN, Metropolitan Statistical Area (which comprises parts of Minnesota and Wisconsin).

⁴ The East South Central census division also includes the Louisville, KY, Metropolitan Statistical Area (which comprises parts of Kentucky and Indiana), and the Memphis, TN, Metropolitan Statistical Area (which comprises parts of Tennessee, Arkansas, and Mississippi).

Survey areas**Geographic coverage⁵**

AMARILLO, TX*	MSA
ANCHORAGE, AK*	MSA
ANDREWS, TX*	COUNTY
ATLANTA, GA*	MSA
AUGUSTA-AIKEN, GA-SC*	MSA
AUSTIN-SAN MARCOS, TX*	MSA
BANNOCK, ID	COUNTY
BIRMINGHAM, AL*	MSA
BLOOMINGTON, IN*	MSA
BLOOMINGTON-NORMAL, IL*	MSA
BOSTON-WORCESTER-LAWRENCE, MA-NH-ME-CT*	CMSA
BRADLEY, TN	COUNTY
BROWNSVILLE-HARLINGEN-SAN BENITO, TX*	MSA
BUFFALO-NIAGARA FALLS, NY*	MSA
CARSON CITY, NV	COUNTY
CHARLESTON-NORTH CHARLESTON, SC*	MSA
CHARLOTTE-GASTONIA-ROCK HILL, NC-SC*	MSA
CHESHIRE, NH	COUNTY
CHEYENNE, CO	COUNTY
CHICAGO-GARY-KENOSHA, IL-IN-WI*	CMSA
CHOCTAW, AL	COUNTY
CINCINNATI-HAMILTON, OH-KY-IN*	CMSA
CITRUS, FL	COUNTY
CLATSOP, OR	COUNTY
CLEVELAND-AKRON, OH*	CMSA
CLINTON, IA	COUNTY
CLINTON, NY	COUNTY
COLUMBIA, NY	COUNTY
COLUMBUS, OH*	MSA
CORPUS CHRISTI, TX*	MSA
CRAVEN, NC	COUNTY
CROOK, OR	COUNTY
DALLAS-FORT WORTH, TX*	CMSA
DAYTON-SPRINGFIELD, OH*	MSA
DECATUR, GA	COUNTY
DELTA, MI*	COUNTY
DENVER-BOULDER-GREELEY, CO*	CMSA
DES MOINES, IA	COUNTY
DETROIT-ANN ARBOR-FLINT, MI*	CMSA
DORCHESTER, MD	COUNTY
ELKHART-GOSHEN, IN*	MSA
FAIRBANKS-NORTH STAR, AK	COUNTY
FERGUS, MT	COUNTY
FOND DU LAC, WI	COUNTY
FORT COLLINS-LOVELAND, CO*	MSA

Survey areas**Geographic coverage⁵**

FRANKLIN, VA	COUNTY
FREEBORN, MN	COUNTY
GEORGETOWN, SC	COUNTY
GILLESPIE, TX*	COUNTY
GOODHUE, MN	COUNTY
GRAFTON, NH	COUNTY
GRAND RAPIDS-MUSKEGON-HOLLAND, MI*	MSA
GREAT FALLS, MT*	MSA
GREEN LAKE, WI	COUNTY
GREENSBORO—WINSTON-SALEM—HIGH POINT, NC*	MSA
GREENVILLE-SPARTANBURG-ANDERSON, SC*	MSA
GREENWOOD, SC	COUNTY
GRIGGS, ND	COUNTY
HARRISON, KY*	COUNTY
HARTFORD, CT *	MSA
HENDERSON, IL	COUNTY
HENRY, AL	COUNTY
HICKORY-MORGANTON-LENOIR, NC*	MSA
HONOLULU, HI*	MSA
HOUSTON-GALVESTON-BRAZORIA, TX*	CMSA
HUNTSVILLE, AL *	MSA
INDIANAPOLIS, IN*	MSA
IOWA CITY, IA	MSA
JEFFERSON, IN	COUNTY
JOHNSTOWN, PA *	MSA
JUNEAU, AK	COUNTY
JUNEAU, WI	COUNTY
KALAMAZOO-BATTLE CREEK, MI*	MSA
KANSAS CITY, MO-KS*	MSA
KAUAI, HI	COUNTY
KNOXVILLE, TN*	MSA
LEE, MS	COUNTY
LEWIS, MO	COUNTY
LIBERTY, GA	COUNTY
LINCOLN, NE*	MSA
LINCOLN, WY	COUNTY
LOGAN, NE	COUNTY
LOS ANGELES-RIVERSIDE-ORANGE COUNTY, CA*	CMSA
LOUISVILLE, KY-IN*	MSA
MADISON, NE	COUNTY
MARSHALL, IN	COUNTY
MELBOURNE-TITUSVILLE-PALM BAY, FL*	MSA
MEMPHIS, TN-AR-MS*	MSA
MIAMI-FORT LAUDERDALE, FL*	CMSA
MILWAUKEE-RACINE, WI*	CMSA

Survey areas**Geographic coverage⁵**

MINNEAPOLIS-ST. PAUL, MN-WI*	MSA
MOBILE, AL*	MSA
MONROE, OH	COUNTY
MONTGOMERY, VA	COUNTY
MOORE, NC	COUNTY
MORGAN, IL	COUNTY
NEW ORLEANS, LA*	MSA
NEW YORK-NORTHERN NEW JERSEY-LONG ISLAND, NY-NJ-CT-PA*	CMSA
NORFOLK-VIRGINIA BEACH-NEWPORT NEWS, VA-NC*	MSA
NORTHUMBERLAND, PA	COUNTY
OCALA, FL*	MSA
OKLAHOMA CITY, OK*	MSA
ORANGE, VT	COUNTY
ORLANDO, FL*	MSA
PALO PINTO, TX	COUNTY
PANOLA, TX*	COUNTY
PHILADELPHIA-WILMINGTON-ATLANTIC CITY, PA-NJ-DE-MD*	CMSA
PHOENIX-MESA, AZ*	MSA
PITTSBURGH, PA*	MSA
POLK, NC*	COUNTY
POPE, AR	COUNTY
PORTLAND-SALEM, OR-WA*	CMSA
PRAIRIE, AR	COUNTY
PROVIDENCE-FALL RIVER-WARWICK, RI-MA*	MSA
RALEIGH-DURHAM-CHAPEL HILL, NC*	MSA
READING, PA*	MSA
RENO, NV*	MSA
RICHLAND-KENNEWICK-PASCO, WA*	MSA
RICHMOND-PETERSBURG, VA*	MSA
ROCHESTER, NY*	MSA
ROCKFORD, IL*	MSA
SACRAMENTO-YOLO, CA*	CMSA
SALINAS, CA*	MSA
SAN ANTONIO, TX*	MSA
SAN DIEGO, CA*	MSA
SAN FRANCISCO-OAKLAND-SAN JOSE, CA*	CMSA
SAUK, WI	COUNTY
SEATTLE-TACOMA-BREMERTON, WA*	CMSA
SENECA, OH	COUNTY
SEWARD, NE	COUNTY
SKAGIT, WA	COUNTY
SPRINGFIELD, MA*	MSA
SPRINGFIELD, MO*	MSA
ST. FRANCIS, AR	COUNTY
ST. LAWRENCE, NY	COUNTY

Survey areas**Geographic coverage⁵**

ST. LOUIS, MO-IL*	MSA
TALLAHASSEE, FL*	MSA
TAMA, IA	COUNTY
TAMPA-ST. PETERSBURG-CLEARWATER, FL*	MSA
TATTNALL, GA*	COUNTY
TAYLOR, KY	COUNTY
TUNICA, MS	COUNTY
VERMILION, LA	PARISH
VISALIA-TULARE-PORTERVILLE, CA*	MSA
WARD, ND	COUNTY
WASCO, OR*	COUNTY
WASHINGTON, GA	COUNTY
WASHINGTON-BALTIMORE, DC-MD-VA-WV*	CMSA
WAYNE, OH	COUNTY
WAYNE, TN	COUNTY
WINSTON, MS*	COUNTY
YAVAPAI, AZ	COUNTY
YORK, PA*	MSA
YOUNGSTOWN-WARREN, OH*	MSA

⁵ Metropolitan areas are either Metropolitan Statistical Areas (MSA's) or Consolidated Metropolitan Statistical Areas (CMSA's). Nonmetropolitan areas are identified as counties or parishes. Asterisk (*) indicates that results have been published for the locality. Data for other areas did not meet publica-

tion standards. The geographical definitions of published metropolitan area surveys are available on the Internet. The address is: <http://www.bls.gov/compub.htm>.