

National Compensation Survey: Occupational Wages in the United States, 1997



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Preface

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

The NCS replaced the Occupational Compensation Survey (OCS). The major difference between these two surveys is that the OCS used the same pre-selected list of occupations for all localities. The NCS uses a probability-based sample of establishments and occupations that are intended to more fully represent the employment patterns and occupational mix of every locality.

This bulletin presents aggregated pay data from the 1997 local area NCS. Data for about one-third of the 149 individual NCS localities were published previously. It also provides estimates of occupational pay for the Nation, as well as 9 census regions, metropolitan and nonmetropolitan areas, and the 10 largest metropolitan areas.

For additional information regarding this survey, please contact the BLS National Office at (202) 606-6199. 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 Bureau's 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 Bureau's eight regional offices, under the direction of the Assistant Regional Commissioners for Operations, collected the survey data. The Bureau thanks all survey respondents for their cooperation, without which this report would not have been possible. The Bureau also wishes to express its appreciation to the many employers for their continued cooperation in providing the data to make the National Compensation Survey a success.

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

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**The electronic version of table 3-1 has been expanded to include data on occupational levels.*

Occupational Wages in the United States, 1997

Overview

This bulletin provides straight-time hourly occupational earnings data for all private industry and State and local government workers in the United States¹ in 1997. It is the first phase of the Bureau's National Compensation Survey (NCS) program. The NCS provides comprehensive measures of occupational earnings, compensation cost trends, and detailed benefit provisions. This publication focuses on occupational average hourly earnings data by:

- Total economy,² private industry, and State and local government
- Worker characteristics
- Establishment characteristics
- Geographic areas

Total economy summary

Average (mean) straight-time hourly earnings of workers covered by the NCS were \$15.09 in 1997. Earnings for private industry workers were lower than for State and local government workers, averaging \$14.39 per hour and \$17.82 per hour, respectively. (See table 1-1.) The more pronounced earnings difference between the two sectors occurred among service occupations, where private industry workers averaged \$7.51 per hour and State and local government service employees averaged \$13.26. Part of the overall difference between the private and government sectors is explained by differences in their occupational and industrial mix. For example, professional specialty and technical occupations are proportionately more prevalent in government than in private industry. With the exception of the construction industry, few government workers are in goods-producing industries.

Worker characteristics

Earnings varied considerably by such worker characteristics as:

- Occupation
- Full-time and part-time status
- Bargaining status

¹ The geographical scope of the initial NCS was limited to the 48 contiguous States.

² See appendix A for details on the industrial scope of the survey.

- Time and incentive pay status
- Work level status

As shown in table 1-1, workers are classified into three major occupational categories: White-collar, blue-collar, and service workers. These categories summarize several finer breaks in the occupational hierarchy.³ As calculated from appendix table 2, white-collar workers accounted for about 53 percent of the workers within scope of the NCS; blue-collar and service workers accounted for about 28 and 19 percent, respectively.

Pay by occupational group. Average hourly pay ranged from \$9.09 for service workers to \$18.59 for white-collar workers; blue-collar workers averaged \$12.36. The average hourly pay of workers that make up the white-collar category ranged from \$11.53 for administrative support personnel to \$27 for executive, administrative, and managerial employees. The earnings spread among blue-collar workers was not as broad, ranging from \$9.34 per hour for handlers, equipment cleaners, helpers, and laborers to \$15.86 for precision production, craft, and repair employees.

An examination of the types of jobs within their broader occupational groups reveals considerable occupational and pay diversity. Technical workers, for example, had average hourly earnings of \$16.66. Within the technical category, hourly averages ranged from \$11.69 for health record technologists and technicians to \$64.41 for airplane pilots and navigators. Within the precision production, craft, and repair occupational group, hourly earnings for a few jobs averaged under \$10 (e.g., precious stones and metals workers, electrical and electronic equipment assemblers, and food batchmakers). A few other jobs in the group (e.g., aircraft engine mechanics and electric power installers and repairers) averaged over \$20 an hour (table 2-1).

Earnings also varied considerably among service workers. For nonsupervisory workers in this group, average hourly earnings ranged from \$4.04 for waiters and waitresses to \$21.73 for public transportation attendants. The NCS program does not include tips as part of wages because tips are

³ If a specific occupation is published separately, data for the job also are included in the succeeding higher publication groupings. If data for a job, for example mechanical engineers, are not published separately, they may be included in the next higher level, engineers, architects, and surveyors. This process continues to the next levels, through professional specialty, professional specialty and technical, and white collar. Finally, data for white-collar, blue-collar, and service workers are rolled into the total estimate. For details on occupational classifications, see appendix B.

not paid by employers; the rate for waiters and waitresses reflects the absence of tips information.

Pay by full- and part-time status. Earnings were higher for full-time than part-time workers, averaging \$15.77 and \$8.89 per hour, respectively. NCS classifies workers as full-time or part-time based on the employer's classification of the occupation. The difference in earnings between full-time and part-time workers was greatest among white-collar workers, in particular among executive, administrative, and managerial workers, where earnings of full-time private industry employees averaged \$27.90 per hour, whereas their part-time counterparts averaged \$21.62 per hour (table 2-2). Average hourly earnings of full- and part-time employees in executive, administrative, and managerial occupations in State and local governments were \$23.99 and \$20.96 respectively (table 2-3).

There was also a significant difference in pay of full- and part-time employees in blue-collar occupations. A large difference was observed among precision production, craft, and repair occupations, where full-time private industry employees averaged \$15.93 an hour and part-time employees averaged \$10.60 (table 2-2). For service occupations, the difference was greater in government, where full-time workers averaged \$13.76 an hour and their part-time counterparts averaged \$8.25 (table 2-3). The difference for service employees in private industry was smaller, with full-time workers averaging \$8 an hour, while their private industry counterparts employed on a part-time basis averaged \$6.07. Full-time protective services employees in government had the highest average hourly earnings (\$16.76) among the five categories of service occupations, whereas part-time protective service employees in government averaged \$9.21.

Pay by bargaining status. Nationwide, union workers averaged \$16.91 an hour and nonunion workers averaged \$14.56. The comparable averages for union and nonunion workers in private industry were \$14.90 and \$14.29; in State and local governments, the averages were \$19.74 for union and \$16.20 for nonunion workers.

Unionized workers in white-collar jobs had average hourly earnings of \$20.82, while their nonunion counterparts averaged \$18.18. Among blue-collar workers, the averages were \$15.07 (union) and \$10.95 (nonunion). Unionized workers in service occupations averaged \$13.44 an hour, compared with \$7.81 for nonunion service workers (table 4-1).

Pay for time and incentive workers. Incentive workers, whose wages are based at least partially on productivity payments such as piece rates, commissions, and production bonuses, earned an average of \$16.21 per hour. In contrast, workers whose wages are based solely on an hourly rate or salary averaged \$15.05 per hour (table 1-1). Incentive workers in white-collar occupations in private industry averaged \$20.03 an hour, compared with \$17.99 for time-paid workers. The average hourly rates for incentive- and time-paid

employees in sales occupations were \$19.96 and \$10.87 respectively, while incentive and time employees in administrative support occupations (including clerical) had average earnings of \$11.52 and \$11.54, respectively. All blue-collar occupations showed higher earnings for incentive workers, with the exception of machine operators, assemblers, and inspectors, who earned slightly more than their counterparts working at least in part for incentive pay. Time-paid workers in the private industry service occupational group averaged \$7.51 an hour, compared with \$7.25 for incentive-paid workers (table 5-1).

Pay by work level. A "generic leveling" technique is applied to all occupations selected during the collection process to determine their work level. Generic leveling ranks and compares all of the occupations that are randomly selected in an establishment, using the same criteria throughout. When an occupation is leveled, it is slotted into one of the 15 work levels that follow the Federal Government's white-collar General Schedule. (For a fuller discussion of generic leveling, see appendixes A, C, and D.)

Within the overall *white-collar* occupational group, earnings data are presented for all 15 work levels, with average hourly earnings ranging from \$6.52 for level 1 workers to \$63.42 for level 15 (table 3-1). Lower level file clerks, general clerks, and messengers are the types of occupations that would fit into work level 1, whereas work level 15 includes such occupations as high level professional engineers and lawyers. White-collar workers are classified into the following major occupational groups:²

- Professional specialty and technical
- Executive, administrative, and managerial
- Sales
- Administrative support

Employees who have received a bachelor's degree but have little professional experience, usually fill entry-level positions (level 5) within professional occupations. Fully qualified professional employees—those who can perform complex tasks with few guidelines and minimal supervision—are normally classified at level 11. Table 3-1 shows, for example, that entry-level engineers, architects, and surveyors averaged \$17 an hour in 1997, while their fully qualified (level 11) counterparts averaged \$29.46.

The average hourly earnings of executive, administrative, and managerial workers (\$27), professional specialty and technical workers (\$22.89), sales workers (\$12.78), and administrative support workers (\$11.53), roughly equate to work levels 10, 8, 5, and 4, in their respective categories.

The NCS *blue-collar* workers are classified into the fol-

⁴See appendix B for occupational classifications and major groups.

lowing major occupational groups:

- Precision production, craft, and repair
- Machine operators, assemblers, and inspectors
- Transportation and material moving
- Handlers, equipment cleaners, helpers, and laborers

Skilled mechanics and trades workers performing at the journey level (level 7), averaged \$18.29 per hour. Semi-skilled workers who operate and control machines commonly filled jobs at levels 3, 4, and 5, where average earnings ranged from \$11.47 for level 3 to \$12.93 for level 5. Within the transportation and material moving group, truck and bus drivers were often found to operate at work level 4 or 5. Average hourly earnings were \$13.23 and \$14.74 at levels 4 and 5, respectively. Many of the employees in the handlers, equipment cleaners, helpers, and laborers category were primarily unskilled workers requiring little or no previous experience. They were concentrated in the three lowest work levels, where average hourly earnings ranged from \$7.34 (level 1) to \$10.52 (level 3).

Service workers are classified into the following occupational categories:

- Protective
- Food
- Health
- Cleaning and building
- Personal

Although each of the above categories had eight or more work levels, most of the workers, protective service workers excepted, were concentrated in work levels 1 through 4. Overall average hourly earnings for protective service workers (\$13.72) were roughly equal to the average for work level 6. Work level 3 average hourly earnings for employees in food service, health service, and personal service occupations were \$6.42, \$8.09, and \$7.73, respectively. The respective overall occupational average earnings (as distinct from work level averages) were \$6.53, \$8.45, and \$8.74 an hour for workers in these three job groups. Work level 2 average hourly for cleaning and building service workers were \$8.31; this compared to \$8.66 for all cleaning and building service workers.

Establishment characteristics

The type of establishment in which employees work also influences earnings, which varied considerably by industry

⁵ The discussion of goods-producing and service-producing industries relates only to private sector establishments since the NCS collection of industry classification for State and local government does not permit separate estimates for these two industry breaks.

and establishment size.

Industry. Earnings averaged \$15.45 per hour in goods-producing industries and \$13.85 in service-producing industries in the private sector.⁵ Goods-producing industries consist of mining, construction, and manufacturing where the respective average hourly rates for workers were \$22.18, \$16.34, and \$15.26. (See tables 6-1 and 6-2.)

Service-producing industries include transportation, communications, electric, gas, and sanitary services; wholesale trade; retail trade; finance, insurance, and real estate; and services. Average hourly earnings among the service-producing sector ranged from \$9.56 in retail trade to \$20.06 in public utilities (communications, electric, gas, and sanitary services industries).

Establishment size. Hourly earnings tended to be higher in larger establishments, averaging \$12.52 in establishments employing between 50 and 99 workers and \$19.32 in those with 2,500 workers or more (table 1-1). However, average hourly earnings of executive, administrative, and managerial workers in establishments employing between 500 and 999 workers were \$28.74, compared to \$28.31 for their counterparts in the 1,000 to 2499 employment-size category, and \$27.04 in the 2,500 or more group (table 7-1). Among blue-collar occupations, machine operators, assemblers, and inspectors averaged \$9.07 an hour in the smallest (50-99) establishment size category, and \$17.29 in establishments with 2,500 or more employees. Among service occupations, average earning of protective service workers ranged from \$9.48 an hour in the smallest establishments to \$18.06 in establishments with 2,500 or more employees.

Geographic area

Another factor that influences workers' earnings is the geographic area in which they work. This bulletin presents selected earnings data for three different geographic areas:

- Metropolitan and nonmetropolitan areas
- Nine census divisions
- Top 10 metropolitan areas

Metropolitan and nonmetropolitan areas. Pay of all metropolitan area workers averaged \$15.73 per hour compared to \$11.84 for workers in nonmetropolitan areas. This pattern of higher pay in metropolitan areas was consistent for most major data presentations. Both on a dollar and percentage basis, metropolitan versus nonmetropolitan average pay differences were greater for workers in white-collar occupations than for workers in blue-collar and service occupations (table 8-1).

Metropolitan area workers employed in private goods-producing industries averaged \$16.40 an hour; this compared to \$12.06 for similar workers in nonmetropolitan areas. The

average rate for metropolitan area workers in the service-producing sector was \$14.44; this compared to an hourly rate of \$9.77 for workers in service-producing industries in nonmetropolitan areas.

Nine census divisions. Average hourly earnings ranged from \$17.42 in the Middle Atlantic census division to \$11.88 in the East South Central region. In each of the nine census divisions, workers in State and local government had higher average earnings than their counterparts in private industry. As indicated in table 1-1, the average hourly earnings of government workers in the Middle Atlantic region were \$21.25, compared to \$16.47 for workers in the private sector; in the West South Central region the government average pay was \$14.96, compared with \$13.45 an hour for workers in private industry.

Top 10 metropolitan areas. This bulletin also presents summary data for the 10 largest metropolitan areas. Table 9-1 shows that average hourly earnings were \$14.90 in the Dallas-Fort Worth Consolidated Metropolitan Statistical Area (CMSA) and \$19.69 in the San Francisco-Oakland-San Jose CMSA. Part of the difference in earnings among the 10 areas can be attributed to survey timing. The average payroll reference month was December 1996 for the Dallas-Fort Worth survey while data for the Philadelphia-Wilmington-Atlantic City CMSA survey related to February 1998. The average payroll reference month for national estimates was August 1997.

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 1997

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	\$15.09	0.6	36.5	\$14.39	0.7	36.4	\$17.82	0.7	36.5
Worker characteristics:⁴									
White-collar occupations ⁵	18.59	.6	36.7	18.08	.8	36.8	20.08	.8	36.4
Professional specialty and technical ...	22.89	.6	36.3	22.30	.7	36.6	23.84	.8	35.9
Executive, administrative, and managerial	27.00	.9	40.1	27.86	.8	40.5	23.95	1.9	38.6
Sales	12.78	3.5	33.0	12.80	3.5	33.0	11.13	4.7	33.1
Administrative support	11.53	.6	36.9	11.54	.7	37.1	11.50	.9	36.3
Blue-collar occupations ⁵	12.36	.8	38.3	12.24	.8	38.4	13.78	1.2	37.3
Precision production, craft, and repair	15.86	1.2	39.8	15.88	1.3	39.8	15.71	1.6	39.6
Machine operators, assemblers, and inspectors	11.03	1.1	39.6	11.02	1.1	39.6	12.89	6.1	38.3
Transportation and material moving ...	13.24	1.2	37.5	13.30	1.4	38.3	12.93	1.7	33.6
Handlers, equipment cleaners, helpers, and laborers	9.34	1.0	35.5	9.18	1.0	35.2	11.37	2.1	38.3
Service occupations ⁵	9.09	.8	33.0	7.51	.6	31.9	13.26	1.3	36.6
Full time	15.77	.6	39.6	15.12	.7	39.8	18.20	.8	38.9
Part time	8.89	1.1	21.0	8.37	1.2	21.4	12.27	1.4	19.2
Union	16.91	.9	36.9	14.90	1.3	37.1	19.74	1.0	36.7
Nonunion	14.56	.7	36.3	14.29	.8	36.3	16.20	.9	36.4
Time	15.05	.6	36.4	14.31	.7	36.4	17.82	.7	36.5
Incentive	16.21	2.7	38.3	16.21	2.7	38.3	-	-	-
Establishment characteristics:									
Goods producing	(⁶)	(⁶)	(⁶)	15.45	1.0	39.8	(⁶)	(⁶)	(⁶)
Service producing	(⁶)	(⁶)	(⁶)	13.85	.9	34.9	(⁶)	(⁶)	(⁶)
50-99 workers ⁷	12.52	1.2	35.3	12.44	1.3	35.3	13.96	3.6	36.1
100-499 workers	13.68	.7	36.2	13.32	.8	36.3	16.89	1.4	35.6
500-999 workers	16.15	1.5	37.4	15.66	1.7	37.8	18.20	1.8	35.7
1,000-2,499 workers	15.54	6.8	36.7	14.91	8.5	36.9	17.51	1.9	35.9
2,500 workers or more	19.32	.9	37.2	20.21	1.6	37.0	18.57	1.0	37.4
Geographic areas:⁸									
Metropolitan	15.73	.7	36.3	15.06	.8	36.3	18.46	.8	36.5
Nonmetropolitan	11.84	1.2	37.1	10.84	1.4	37.2	15.07	1.8	36.5
New England	16.96	1.8	35.1	16.29	2.1	35.0	20.14	2.1	35.2
Middle Atlantic	17.42	1.5	35.7	16.47	1.7	35.8	21.25	1.5	35.5
East North Central	15.45	.9	36.2	14.85	1.0	36.3	18.51	1.3	35.8
West North Central	14.44	1.8	36.3	13.70	2.2	36.2	17.24	.8	36.8
South Atlantic	13.73	1.4	37.0	13.20	1.8	36.7	15.47	1.4	37.9
East South Central	11.88	2.3	37.8	11.34	2.5	38.0	15.22	1.7	36.9
West South Central	13.82	1.0	37.2	13.45	1.2	37.0	14.96	1.3	37.8
Mountain	14.04	1.9	36.5	12.97	2.6	36.4	17.42	1.9	36.5
Pacific	16.88	1.5	36.2	15.89	1.8	36.4	20.23	1.7	35.5

¹ Earnings are the straight-time hourly wages or salaries paid to employees. They include incentive pay, cost-of-living adjustments, and hazard pay. Excluded are premium pay for overtime, vacations, 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 the 48 contiguous States. Collection was conducted from October 1996 through July 1998. The average reference month was August 1997.

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

⁸ Data are presented for metropolitan and nonmetropolitan area divisions as well as 9 census area divisions. See appendix E for a list of survey areas and States comprising the 9 census area 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 occupational group,² National Compensation Survey,³ 1997**

Occupational group	State and local government			State government			Local government		
	Hourly earnings		Weekly hours	Hourly earnings		Weekly hours	Hourly earnings		Weekly hours
	Mean	Relative error ⁴ (percent)		Mean	Relative error ⁴ (percent)		Mean	Relative error ⁴ (percent)	
All	\$17.82	0.7	36.5	\$17.27	1.2	38.6	\$18.04	0.7	35.7
White collar	20.08	.8	36.4	18.99	1.4	38.5	20.58	.7	35.5
White collar excluding sales	20.13	.8	36.4	19.04	1.4	38.5	20.62	.7	35.5
Professional specialty and technical	23.84	.8	35.9	21.89	1.1	38.1	24.60	.9	35.1
Professional specialty	24.97	.8	35.7	23.32	1.2	38.0	25.55	.9	34.9
Technical	14.46	1.3	37.5	14.74	2.1	38.3	14.24	1.5	36.9
Executive, administrative, and managerial ...	23.95	1.9	38.6	22.89	3.4	39.4	24.71	1.4	38.0
Sales	11.13	4.7	33.1	11.95	5.5	36.1	10.65	6.9	31.5
Administrative support, including clerical	11.50	.9	36.3	11.78	1.7	38.6	11.37	.9	35.4
Blue collar	13.78	1.2	37.3	13.22	1.7	38.9	13.93	1.4	36.9
Precision production, craft, and repair	15.71	1.6	39.6	14.12	2.3	39.7	16.42	1.8	39.6
Machine operators, assemblers, and inspectors	12.89	6.1	38.3	11.62	7.7	38.4	13.31	7.3	38.2
Transportation and material moving	12.93	1.7	33.6	14.06	3.6	39.1	12.82	1.8	33.2
Handlers, equipment cleaners, helpers, and laborers	11.37	2.1	38.3	10.18	3.5	36.8	11.64	2.4	38.6
Service	13.26	1.3	36.6	12.99	2.0	38.9	13.35	1.4	35.8
Protective service	16.53	1.9	39.7	15.41	4.9	39.6	16.93	1.4	39.7
Food service	8.74	1.4	29.5	9.88	3.0	37.0	8.50	1.6	28.3
Health service	10.18	1.8	36.8	10.97	2.2	38.6	9.23	2.3	34.9
Cleaning and building service	10.41	1.3	38.2	10.30	2.0	39.3	10.44	1.5	37.9
Personal service	9.11	2.0	28.1	10.28	4.4	36.4	8.91	2.2	27.1

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 the 48 contiguous States. Collection was conducted between October 1996 and July 1998. The average reference period was August 1997.

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.

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 1997**

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	\$15.09	0.6	36.5	\$15.77	0.6	39.6	\$8.89	1.1	21.0
All excluding sales	15.26	.6	36.7	15.83	.6	39.6	9.29	1.1	21.0
White collar	18.59	.6	36.7	19.28	.6	39.5	11.35	1.4	20.9
White collar excluding sales	19.43	.6	37.3	19.81	.6	39.4	13.83	1.3	20.6
Professional specialty and technical	22.89	.6	36.3	23.20	.6	39.0	18.87	1.2	19.1
Professional specialty	24.70	.6	36.2	25.00	.6	38.9	20.63	1.4	18.5
Engineers, architects, and surveyors	27.76	.8	40.3	27.76	.8	40.4	27.87	11.3	23.1
Architects	23.93	6.6	39.9	23.94	6.8	40.6	-	-	-
Aerospace engineers	30.44	3.8	40.0	30.44	3.8	40.0	-	-	-
Metallurgical and materials engineers	26.51	4.8	40.2	26.51	4.8	40.2	-	-	-
Mining engineers	29.69	5.0	32.6	29.26	6.5	41.9	-	-	-
Petroleum engineers	35.44	6.4	40.8	35.44	6.4	40.8	-	-	-
Chemical engineers	30.65	2.9	39.9	30.65	2.9	39.9	-	-	-
Nuclear engineers	34.16	3.4	40.5	34.16	3.4	40.5	-	-	-
Civil engineers	26.17	2.0	40.1	26.19	2.0	40.2	-	-	-
Electrical and electronic engineers	29.24	1.1	40.3	29.25	1.1	40.3	-	-	-
Industrial engineers	24.49	3.4	40.5	24.52	3.4	40.6	-	-	-
Mechanical engineers	25.37	2.2	40.2	25.34	2.2	40.4	30.28	17.2	19.5
Engineers, n.e.c.	29.00	1.1	40.4	28.97	1.1	40.5	34.57	9.5	23.5
Surveyors and mapping scientists	19.65	7.9	39.3	19.75	8.4	39.6	-	-	-
Mathematical and computer scientists	26.96	1.5	39.9	26.92	1.5	40.0	32.72	28.3	28.5
Computer systems analysts and scientists	26.79	1.2	40.0	26.82	1.3	40.1	21.76	11.2	27.0
Operations and systems researchers and analysts	28.15	6.4	39.6	27.73	6.6	39.9	47.18	30.4	30.7
Actuaries	27.00	7.2	39.2	27.00	7.2	39.2	-	-	-
Statisticians	24.22	5.5	37.6	24.22	5.5	37.6	-	-	-
Mathematical scientists, n.e.c.	22.67	14.8	38.8	22.67	14.8	38.8	-	-	-
Natural scientists	24.31	2.1	40.0	24.40	2.1	40.5	20.09	10.4	25.8
Physicists and astronomers	37.31	10.4	40.8	37.31	10.4	40.8	-	-	-
Chemists, except biochemists	27.44	3.7	40.4	27.57	3.7	40.7	-	-	-
Atmospheric and space scientists	25.05	11.5	46.3	25.05	11.5	46.3	-	-	-
Geologists and geodesists	25.07	8.8	41.8	26.04	8.8	41.8	-	-	-
Physical scientists, n.e.c.	26.30	3.0	39.8	26.31	3.0	39.9	-	-	-
Agricultural and food scientists	21.93	6.0	40.3	21.49	5.3	40.7	-	-	-
Biological and life scientists	21.00	6.2	39.8	21.00	6.3	40.4	-	-	-
Forestry and conservation scientists	17.14	6.2	40.2	17.14	6.2	40.2	-	-	-
Medical scientists	21.43	5.8	38.5	21.31	6.0	39.8	24.35	10.8	20.9
Health related	21.83	.8	34.0	21.82	.9	39.4	21.88	1.5	20.8
Physicians	38.80	4.4	39.1	37.49	4.7	43.1	56.57	4.5	17.4
Dentists	37.45	8.6	31.8	36.73	10.5	39.5	-	-	-
Health diagnosing practitioners, n.e.c.	24.01	13.7	35.9	24.27	14.6	40.0	-	-	-
Registered nurses	20.11	.6	33.3	20.01	.7	39.0	20.47	1.4	21.0
Pharmacists	26.20	1.3	34.8	26.59	1.4	40.2	24.33	5.2	21.3
Dietitians	16.42	2.3	36.0	16.04	2.2	39.6	19.59	6.5	20.5
Respiratory therapists	16.88	1.3	33.0	16.97	1.5	39.3	16.47	1.9	18.3
Occupational therapists	21.67	4.4	35.0	21.33	5.1	39.2	23.97	6.9	20.3
Physical therapists	24.08	2.3	34.3	23.60	2.5	39.6	26.14	3.6	21.9
Speech therapists	22.83	2.7	34.0	22.35	3.0	38.0	27.11	7.8	17.5
Therapists, n.e.c.	15.64	2.3	36.6	15.52	2.3	39.3	16.71	8.3	22.5
Physicians' assistants	23.28	6.1	34.6	24.47	5.1	39.6	14.87	23.7	18.3
Teachers, college and university	32.46	1.6	33.7	32.94	1.7	39.1	26.96	4.1	13.1
Earth, environmental, and marine science teachers	32.06	9.1	38.0	32.00	9.2	39.2	-	-	-
Biological science teachers	32.51	8.6	37.5	32.50	9.2	41.4	32.62	19.5	16.5
Chemistry teachers	34.70	8.3	40.4	34.97	8.5	42.0	-	-	-
Physics teachers	40.36	13.5	37.0	40.38	13.6	37.8	-	-	-
Natural science teachers, n.e.c.	38.83	5.1	36.8	40.23	4.7	38.9	-	-	-
Psychology teachers	29.89	6.7	35.3	30.24	6.9	38.2	21.76	7.7	12.7
Economics teachers	50.79	15.4	43.3	50.79	15.4	43.3	-	-	-
History teachers	30.81	5.7	32.3	31.52	5.8	38.2	21.43	15.2	10.5
Political science teachers	33.67	8.5	36.2	33.37	8.8	38.8	-	-	-
Sociology teachers	32.31	10.6	34.9	32.68	10.6	39.0	-	-	-
Social science teachers, n.e.c.	32.84	8.0	37.4	32.93	8.3	39.1	30.03	10.2	15.3

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 1997–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									
Engineering teachers	\$33.26	9.6	40.1	\$33.92	10.2	44.6	\$25.17	23.7	17.7
Mathematical science teachers	32.49	5.2	31.7	33.17	5.5	38.7	24.84	8.7	10.5
Computer science teachers	26.49	11.0	29.8	29.96	9.6	39.0	21.46	6.6	22.2
Medical science teachers	39.76	5.1	36.6	38.52	5.7	41.9	49.66	14.4	18.2
Health specialties teachers	30.90	3.9	35.2	31.46	4.0	39.6	21.52	6.4	12.3
Business, commerce, and marketing teachers ..	32.56	6.3	33.8	32.89	6.7	38.6	22.94	9.2	7.5
Agriculture and forestry teachers	41.94	24.8	35.2	41.94	24.8	35.2	–	–	–
Art, drama, and music teachers	28.63	3.5	32.4	29.30	3.8	38.7	23.14	6.8	14.0
Physical education teachers	25.60	12.4	32.6	26.01	13.4	38.1	20.45	27.8	11.7
Education teachers	29.81	9.8	34.9	30.70	10.1	40.6	15.62	11.0	10.8
English teachers	31.01	4.6	32.9	31.40	4.8	37.3	25.13	7.1	11.7
Foreign language teachers	24.76	12.0	33.0	25.43	14.1	41.7	20.82	25.3	14.9
Law teachers	56.07	10.5	34.1	58.67	11.0	38.3	20.65	10.6	13.7
Social work teachers	28.88	4.3	31.2	29.68	3.9	39.3	–	–	–
Theology teachers	38.63	8.6	36.8	38.74	8.6	38.8	26.43	16.0	5.7
Trade and industrial teachers	24.59	3.9	34.3	24.96	4.0	37.9	19.87	7.4	15.6
Teachers, post secondary, subject not specified	30.95	7.5	31.9	32.03	8.0	37.7	19.33	7.7	12.1
Teachers, post secondary, n.e.c.	31.10	3.0	31.3	31.43	3.3	38.1	27.93	6.8	11.6
Teachers, except college and university	25.62	.9	34.4	26.07	1.0	36.9	16.19	3.0	14.6
Prekindergarten and kindergarten	19.31	3.9	34.8	19.78	4.0	37.3	13.52	18.9	19.4
Elementary school teachers	26.38	1.1	36.3	26.43	1.1	36.8	22.37	7.4	17.8
Secondary school teachers	26.66	1.6	36.8	26.66	1.6	37.2	26.34	8.0	20.6
Teachers, special education	27.12	2.2	35.9	27.21	2.2	36.3	22.67	14.5	22.8
Teachers, n.e.c.	26.16	2.6	29.4	27.36	2.7	36.1	17.37	6.2	12.5
Substitute teachers	10.10	4.0	14.6	10.21	7.6	31.6	10.08	4.6	13.0
Vocational and educational counselors	23.24	4.2	36.8	23.36	4.3	37.9	19.92	12.3	19.7
Librarians, archivists, and curators	20.25	3.0	36.4	20.57	3.1	38.3	15.66	4.7	21.3
Librarians	20.60	3.3	36.5	20.95	3.4	38.2	15.86	4.8	22.9
Archivists and curators	17.94	8.9	35.8	18.11	9.2	39.0	–	–	–
Social scientists and urban planners	21.73	3.3	36.9	21.77	3.3	39.1	21.01	13.2	20.3
Economists	23.28	5.1	39.8	23.18	5.1	40.1	–	–	–
Psychologists	22.82	5.0	34.6	23.14	4.9	38.2	20.24	12.9	19.8
Sociologists	16.56	2.8	39.3	16.56	2.8	39.3	–	–	–
Social scientists, n.e.c.	13.41	15.9	38.4	13.30	15.9	39.3	–	–	–
Urban planners	20.56	4.5	39.5	20.59	4.5	39.6	–	–	–
Social, recreation, and religious workers	15.17	1.4	37.3	15.20	1.4	39.2	14.57	3.4	19.7
Social workers	15.38	1.4	37.6	15.40	1.5	39.1	15.08	3.9	20.8
Recreation workers	12.61	3.9	32.8	12.74	4.3	39.4	11.86	8.4	16.9
Clergy	12.01	15.5	41.8	11.51	19.9	48.1	18.23	19.2	15.8
Religious workers, n.e.c.	20.66	4.2	33.8	20.89	4.2	39.8	15.52	10.3	7.8
Lawyers and judges	34.83	3.1	39.9	35.03	3.1	41.7	28.13	8.2	16.1
Lawyers	34.48	3.2	40.2	34.66	3.3	41.8	28.49	8.9	17.1
Judges	41.56	7.5	34.2	42.62	6.8	39.9	24.83	32.8	10.5
Writers, authors, entertainers, athletes, and professionals, n.e.c.	21.34	2.7	36.9	21.70	2.8	39.8	16.17	9.8	18.0
Authors	30.53	33.8	30.8	22.66	27.8	40.0	–	–	–
Technical writers	20.00	3.8	38.6	20.03	3.9	39.9	19.40	10.8	22.2
Designers	20.70	4.6	39.9	20.84	4.6	40.4	14.34	20.7	25.5
Musicians and composers	41.23	15.8	16.5	44.45	20.7	29.0	35.63	25.3	9.4
Actors and directors	23.20	12.5	34.5	24.83	12.5	40.5	13.03	34.4	18.0
Painters, sculptors, craft artists, and artist printmakers	18.70	13.8	36.8	18.07	15.4	40.1	–	–	–
Photographers	15.95	7.2	39.3	16.00	7.3	40.1	–	–	–
Dancers	3.80	36.4	26.6	–	–	–	–	–	–
Artists, performers, and related workers, n.e.c.	13.31	11.4	26.1	15.43	16.2	37.6	11.28	13.5	20.2
Editors and reporters	22.03	4.9	38.9	22.21	5.0	39.4	14.65	15.9	24.9
Public relations specialists	20.00	5.0	38.0	20.16	5.3	39.9	16.65	13.8	18.9
Announcers	20.24	19.8	31.0	21.56	22.9	41.8	15.87	26.5	16.7
Athletes	26.42	31.6	25.1	32.15	34.4	40.9	10.90	10.0	12.3

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 1997–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									
Writers, authors, entertainers, athletes, and professionals, n.e.c. –Continued									
Professional, n.e.c.	\$23.39	3.6	38.7	\$23.39	3.7	39.7	\$23.31	17.4	22.1
Technical	16.66	.9	36.8	16.92	1.0	39.2	13.58	1.5	21.2
Clinical laboratory technologists and technicians	14.96	1.4	36.7	14.95	1.4	39.5	15.03	3.8	20.6
Dental hygienists	20.21	7.9	36.6	19.97	8.8	38.6	–	–	–
Health record technologists and technicians	11.69	3.2	34.7	11.57	3.5	39.1	12.54	6.2	19.5
Radiological technicians	16.30	1.3	33.5	16.21	1.4	39.6	16.67	3.4	20.8
Licensed practical nurses	12.56	.9	34.8	12.48	1.0	39.3	12.97	1.8	22.0
Health technologists and technicians, n.e.c.	12.92	1.5	34.9	13.13	1.6	39.8	11.49	2.5	19.1
Electrical and electronic technicians	17.73	1.8	39.6	17.76	1.8	40.1	15.45	17.6	22.1
Industrial engineering technicians	16.31	6.2	40.2	16.31	6.2	40.2	–	–	–
Mechanical engineering technicians	18.87	3.1	40.0	18.93	3.1	40.5	–	–	–
Engineering technicians, n.e.c.	18.09	1.8	39.4	18.11	1.8	39.8	17.55	10.4	29.7
Drafters	16.58	2.1	39.5	16.62	2.2	40.1	14.91	8.2	23.8
Surveying and mapping technicians	15.44	5.7	39.7	15.66	5.6	39.7	–	–	–
Biological technicians	14.86	4.6	37.5	15.19	4.5	39.9	10.04	7.7	19.9
Chemical technicians	17.17	2.5	39.6	17.20	2.5	39.9	–	–	–
Science technicians, n.e.c.	17.15	4.6	37.2	17.15	4.8	39.7	17.18	15.2	19.6
Airplane pilots and navigators	64.41	9.3	24.3	64.43	9.3	24.3	–	–	–
Broadcast equipment operators	17.09	12.4	36.1	18.33	11.9	39.5	7.33	11.6	21.6
Computer programmers	20.43	1.6	39.6	20.51	1.7	39.9	17.86	6.6	30.7
Tool programmers, numerical control	17.13	6.5	39.9	17.16	6.6	40.2	–	–	–
Legal assistants	16.15	3.1	39.3	16.29	2.7	39.6	11.09	2.2	30.6
Technical and related, n.e.c.	17.36	2.7	38.5	17.51	2.8	39.8	13.12	5.1	19.9
Executive, administrative, and managerial	27.00	.9	40.1	27.05	.9	40.4	21.38	4.6	19.7
Executives, administrators, and managers	30.85	1.0	40.4	30.90	1.0	40.8	24.28	6.8	17.4
Legislators	16.21	15.1	13.7	12.73	19.3	33.7	22.02	26.0	6.9
Chief executives and general administrators, public administration	51.16	20.5	40.4	51.16	20.5	40.4	–	–	–
Administrators and officials, public administration	24.87	2.6	38.9	24.89	2.6	39.7	23.36	20.2	15.0
Financial managers	32.44	2.3	40.4	32.46	2.3	40.5	24.02	17.5	20.9
Personnel and labor relations managers	31.39	3.3	40.8	31.43	3.3	41.0	–	–	–
Purchasing managers	29.43	4.1	41.0	29.43	4.1	41.0	–	–	–
Managers, marketing, advertising, and public relations	34.87	2.0	41.0	34.87	2.0	41.0	–	–	–
Administrators, education and related fields	30.10	1.9	39.0	30.17	1.9	39.5	24.23	14.6	19.8
Managers, medicine and health	28.57	2.3	39.5	28.60	2.3	39.9	26.48	8.9	22.7
Managers, food servicing and lodging establishments	16.93	3.2	43.0	16.96	3.2	43.2	–	–	–
Managers, properties and real estate	25.79	8.5	40.4	25.88	8.6	40.6	–	–	–
Managers, service organizations, n.e.c.	24.44	5.0	39.6	24.55	5.0	40.1	19.56	30.0	26.3
Managers and administrators, n.e.c.	33.00	1.3	41.2	33.00	1.3	41.3	30.75	11.5	22.2
Management related	20.97	1.0	39.6	21.00	1.0	39.9	18.15	4.2	23.1
Accountants and auditors	19.74	2.5	39.5	19.73	2.5	39.8	22.54	7.1	17.5
Underwriters	23.28	10.7	39.5	23.28	10.7	39.5	–	–	–
Other financial officers	23.54	2.9	39.8	23.58	2.9	40.0	16.71	18.7	25.0
Management analysts	23.65	3.6	39.9	23.63	3.6	40.1	26.01	6.0	25.2
Personnel, training, and labor relations specialists	19.96	1.6	39.7	20.02	1.6	40.0	16.05	9.0	27.4
Purchasing agents and buyers, farm products ..	19.68	4.8	39.9	19.68	4.8	39.9	–	–	–
Buyers, wholesale and retail trade, except farm products	23.08	7.5	40.6	23.12	7.5	40.9	–	–	–
Purchasing agents and buyers, n.e.c.	20.05	4.0	39.9	20.07	4.0	40.0	–	–	–
Business and promotional agents	18.58	7.8	39.6	18.58	7.8	39.6	–	–	–
Construction inspectors	19.54	3.9	39.4	19.61	3.9	40.1	16.62	20.0	22.3

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 1997–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									
Management related –Continued									
Inspectors and compliance officers, except construction	\$18.70	3.2	39.1	\$18.73	3.2	39.4	–	–	–
Management related, n.e.c.	21.37	1.1	39.3	21.43	1.1	39.8	\$18.36	6.6	23.4
Sales									
Supervisors, sales	12.78	3.5	33.0	14.71	5.2	40.2	6.93	1.3	21.4
Insurance sales	18.23	2.3	40.8	18.40	2.3	41.3	10.11	16.6	25.2
Real estate sales	22.44	9.0	36.9	23.26	8.7	39.4	–	–	–
Securities and financial services sales	33.95	21.9	40.3	34.36	21.7	40.7	–	–	–
Advertising and related sales	34.66	11.8	38.8	35.35	11.7	40.4	–	–	–
Sales, other business services	17.87	9.3	37.8	18.67	9.2	40.3	9.68	8.2	23.0
Sales engineers	19.44	8.7	36.6	20.69	8.5	40.0	8.48	5.1	20.9
Sales representatives, mining, manufacturing, and wholesale	27.60	5.5	41.5	27.60	5.5	41.5	–	–	–
Sales workers, motor vehicles and boats	23.54	3.3	41.0	23.58	3.3	41.1	–	–	–
Sales workers, apparel	16.89	3.6	44.0	16.92	3.6	44.2	–	–	–
Sales workers, shoes	8.10	3.9	26.4	9.13	4.6	38.4	7.13	4.3	20.4
Sales workers, furniture and home furnishings ..	10.03	10.1	28.9	11.45	11.1	39.2	7.59	11.3	20.0
Sales workers, radio, tv, hi-fi, and appliances ...	10.29	9.3	30.2	12.53	7.1	39.4	6.78	7.4	22.1
Sales workers, hardware and building supplies ..	11.14	6.3	37.2	11.46	6.4	40.2	7.95	10.2	21.4
Sales workers, other commodities	10.56	5.9	37.2	11.06	6.7	40.1	8.11	3.4	27.3
Sales counter clerks	14.10	6.2	39.0	14.71	6.1	40.9	6.70	7.0	24.9
Cashiers	10.05	4.3	30.3	11.63	5.4	39.2	6.94	1.3	20.9
Street and door-to-door sales workers	7.88	3.1	28.9	8.95	3.1	39.8	6.50	3.7	21.4
News vendors	7.63	1.7	30.0	8.35	2.1	39.3	6.47	1.6	21.8
Demonstrators, promoters, and models, sales ...	15.71	23.8	27.8	21.01	25.8	38.3	8.60	6.3	20.3
Sales support, n.e.c.	7.09	8.0	16.7	–	–	–	6.71	4.6	15.7
Administrative support, including clerical	8.70	6.5	22.3	11.73	6.4	39.1	6.93	1.8	17.8
Supervisors, general office	11.55	5.5	36.5	11.99	6.2	40.0	8.50	5.5	22.7
Supervisors, computer equipment operators	11.53	.6	36.9	11.78	.6	39.4	8.89	1.2	22.2
Supervisors, financial records processing	15.95	1.5	39.6	15.94	1.5	39.7	17.19	20.1	27.2
Chief communications operators	20.73	4.7	39.6	20.73	4.7	39.6	–	–	–
Supervisors, distribution, scheduling, and adjusting clerks	17.47	1.9	39.6	17.47	1.9	39.7	–	–	–
Computer operators	16.65	6.3	40.5	16.65	6.3	40.5	–	–	–
Peripheral equipment operators	16.90	3.1	40.3	16.91	3.1	40.5	–	–	–
Secretaries	13.23	2.4	39.0	13.28	2.4	39.5	10.56	15.3	21.5
Stenographers	10.44	5.2	39.0	10.48	5.4	39.4	–	–	–
Typists	12.83	.9	38.1	12.92	.9	39.2	10.93	2.9	23.8
Interviewers	13.70	3.7	35.7	13.95	4.0	39.0	11.96	7.1	22.2
Hotel clerks	11.46	1.9	37.1	11.62	1.9	38.9	9.56	3.3	23.4
Transportation ticket and reservation agents	9.48	2.0	32.8	9.60	2.3	38.9	8.98	4.6	19.5
Receptionists	7.85	3.4	36.6	8.01	3.4	39.2	6.34	3.7	22.4
Information clerks, n.e.c.	11.64	7.3	36.3	11.88	7.6	39.8	10.20	6.9	24.0
Classified ad clerks	8.93	1.1	34.9	9.16	1.1	39.6	7.70	1.9	21.7
Correspondence clerks	11.13	3.5	35.5	11.13	3.5	39.2	11.10	11.1	24.7
Order clerks	9.35	13.6	36.1	9.48	15.4	38.5	–	–	–
Personnel clerks, except payroll and timekeeping	10.78	5.3	38.4	10.87	5.5	39.7	8.48	11.3	20.2
Library clerks	11.42	1.7	37.8	11.71	1.7	39.7	8.05	2.5	23.9
File clerks	12.12	2.1	37.9	12.25	2.2	39.5	9.56	4.3	21.6
Records clerks, n.e.c.	10.08	2.2	30.0	10.55	2.8	37.9	8.79	2.8	19.2
Bookkeepers, accounting and auditing clerks ...	8.60	2.0	35.1	8.74	2.2	39.3	7.65	4.3	20.4
Payroll and timekeeping clerks	10.65	1.2	37.6	10.76	1.2	39.4	9.05	4.3	22.3
Billing clerks	11.32	.9	38.3	11.46	1.0	39.5	8.38	3.5	23.1
Cost and rate clerks	12.35	2.0	38.6	12.44	2.0	39.7	9.06	7.8	20.2
	10.65	1.7	37.9	10.77	1.6	39.7	8.69	8.0	22.2
	11.90	5.8	38.2	11.94	6.0	39.3	–	–	–

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 1997–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									
Billing, posting, and calculating machine operators	\$8.90	4.9	34.9	\$9.07	5.8	39.5	\$8.10	3.7	22.3
Duplicating machine operators	9.30	4.0	36.6	9.51	4.7	39.1	8.11	5.0	26.4
Mail preparing and paper handling machine operators	8.86	5.2	33.4	9.07	5.9	39.5	7.26	9.4	15.1
Office machine operators, n.e.c.	8.41	6.0	35.8	8.64	6.8	39.4	7.20	5.5	24.6
Telephone operators	11.29	3.8	35.8	11.76	4.0	38.9	7.68	2.7	22.0
Communications equipment operators, n.e.c. ...	9.91	5.2	34.9	10.19	4.5	39.3	–	–	–
Mail clerks, except postal service	8.88	3.1	36.0	9.12	3.7	39.2	7.61	3.0	25.1
Messengers	10.75	9.6	35.9	11.19	9.7	39.1	8.19	7.7	24.4
Dispatchers	12.40	3.4	38.5	12.59	3.4	40.2	8.67	5.4	20.8
Production coordinators	14.13	1.7	38.8	14.27	1.7	40.0	8.91	11.0	18.6
Traffic, shipping and receiving clerks	11.30	2.9	37.7	11.45	3.1	39.9	9.37	7.5	21.9
Stock and inventory clerks	10.70	1.6	36.3	11.09	1.5	39.8	7.49	2.7	21.1
Meter readers	14.15	3.8	39.6	14.20	3.8	40.0	–	–	–
Weighers, measurers, checkers, and samplers	12.62	5.9	37.3	12.77	6.1	40.0	9.46	18.8	15.7
Expeditors	12.54	3.2	38.3	12.82	3.8	40.0	11.23	10.6	32.1
Material recording, scheduling, and distribution clerks, n.e.c.	12.34	3.8	37.4	12.79	4.1	39.9	7.63	4.7	22.5
Insurance adjusters, examiners, and investigators	14.54	2.9	38.9	14.54	2.9	39.2	14.04	21.9	22.8
Investigators and adjusters, except insurance ...	11.77	2.6	37.4	11.97	2.8	39.7	9.21	3.2	21.4
Eligibility clerks, social welfare	12.59	1.9	38.5	12.66	1.9	39.0	9.40	5.0	24.3
Bill and account collectors	10.41	5.7	38.6	10.51	5.7	39.9	8.12	6.8	22.1
General office clerks	10.74	1.0	36.4	11.02	1.0	39.3	8.29	2.6	21.7
Bank tellers	8.63	1.8	32.4	8.79	2.2	39.5	8.11	1.5	20.7
Proofreaders	12.18	13.4	38.0	12.28	13.7	39.8	9.63	11.7	18.2
Data entry keyers	9.76	1.4	37.1	9.96	1.6	39.5	7.98	2.6	24.5
Statistical clerks	11.42	4.3	37.0	11.55	4.5	39.3	9.42	5.4	19.2
Teachers' aides	9.09	1.7	30.6	8.82	1.6	35.7	9.87	4.1	21.7
Administrative support, n.e.c.	11.44	1.6	36.6	11.75	1.7	39.5	8.64	2.7	22.2
Blue collar	12.36	.8	38.3	12.63	.8	40.1	7.71	2.4	21.9
Precision production, craft, and repair	15.86	1.2	39.8	15.91	1.2	40.0	10.65	11.2	22.5
Supervisors, mechanics and repairers	21.57	1.9	40.5	21.58	1.9	40.6	–	–	–
Automobile mechanics	16.62	3.2	40.6	16.62	3.2	40.6	–	–	–
Automobile mechanic apprentices	9.97	7.5	38.4	10.11	7.6	39.6	–	–	–
Bus, truck, and stationary engine mechanics	15.04	2.6	40.1	15.04	2.6	40.2	–	–	–
Aircraft engine mechanics	21.07	4.0	40.0	21.07	4.0	40.0	–	–	–
Small engine repairs	12.31	7.5	37.5	12.63	7.4	39.9	–	–	–
Automobile body and related repairers	15.25	4.6	40.5	15.25	4.6	40.5	–	–	–
Aircraft mechanics, except engine	17.93	5.0	40.1	17.93	5.0	40.1	–	–	–
Heavy equipment mechanics	16.24	3.3	40.0	16.25	3.3	40.1	–	–	–
Industrial machinery repairers	16.06	1.7	39.9	16.06	1.7	40.0	–	–	–
Machinery maintenance	12.72	3.3	40.0	12.73	3.4	40.0	–	–	–
Electronic repairers, communications and industrial equipment	16.48	3.2	39.2	16.59	3.2	39.9	11.10	19.4	20.5
Data processing equipment repairers	15.42	4.6	37.9	14.99	3.7	39.8	–	–	–
Household appliance and power tool repairers	16.44	5.4	38.6	16.59	5.3	40.0	–	–	–
Telephone line installers and repairers	18.39	4.3	39.8	18.38	4.3	40.0	–	–	–
Telephone installers and repairers	17.54	4.1	40.0	17.54	4.1	40.0	–	–	–
Heating, air conditioning, and refrigeration mechanics	15.82	2.7	39.6	15.57	2.3	40.0	–	–	–
Camera, watch, and musical instrument repairers	16.08	10.9	40.0	16.08	10.9	40.0	–	–	–
Locksmiths and safe repairers	16.97	5.3	40.0	16.97	5.3	40.0	–	–	–
Office machine repairers	14.57	4.8	39.5	14.57	4.8	39.5	–	–	–
Mechanical controls and valve repairers	17.53	4.2	39.3	17.65	4.2	39.9	–	–	–
Elevator installers and repairers	19.21	22.1	40.0	19.21	22.1	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 1997–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									
Millwrights	\$18.43	5.9	40.1	\$18.43	5.9	40.1	–	–	–
Mechanics and repairers, n.e.c.	15.23	1.6	39.6	15.28	1.6	39.9	\$9.93	10.8	21.1
Supervisors, brickmasons, stonemasons, and tiles setters	17.34	11.7	39.8	17.34	11.7	39.8	–	–	–
Supervisors, carpenters and related workers	20.79	5.5	40.5	20.79	5.5	40.5	–	–	–
Supervisors, electricians and power transmission installers	22.25	5.0	40.0	22.25	5.0	40.0	–	–	–
Supervisors, painters, paperhangers, and plasterers	17.97	3.6	40.0	17.98	3.7	40.0	–	–	–
Supervisors, plumbers, pipefitters, and steamfitters	21.16	9.6	40.2	21.16	9.6	40.2	–	–	–
Supervisors, construction trades, n.e.c.	17.90	3.7	40.5	17.89	3.7	40.5	–	–	–
Brickmasons and stonemasons	15.52	6.3	40.0	15.52	6.3	40.0	–	–	–
Tile setters, hard and soft	15.19	4.2	39.0	–	–	–	–	–	–
Carpet installers	20.98	8.1	38.8	21.21	7.8	38.8	–	–	–
Carpenters	16.31	2.4	39.5	16.39	2.5	39.8	12.03	8.6	27.8
Carpenter apprentices	12.04	4.7	40.0	12.05	4.7	40.0	–	–	–
Drywall installers	14.12	3.4	40.1	14.09	3.3	40.3	–	–	–
Electricians	18.31	2.0	40.0	18.31	2.0	40.0	–	–	–
Electrician apprentices	12.38	5.2	40.2	12.38	5.2	40.2	–	–	–
Electrical power installers and repairers	21.02	2.7	40.0	21.02	2.7	40.0	–	–	–
Painters, construction and maintenance	13.99	5.8	39.6	14.01	5.8	39.8	–	–	–
Plasterers	15.24	24.8	40.0	15.24	24.8	40.0	–	–	–
Plumbers, pipefitters and steamfitters	18.76	3.0	39.8	18.76	3.0	40.0	–	–	–
Plumber, pipefitter, and steamfitter apprentices	13.33	4.6	40.2	13.33	4.6	40.2	–	–	–
Concrete and terrazzo finishers	13.31	7.2	39.2	13.36	7.5	40.1	–	–	–
Glaziers	16.72	6.5	38.5	16.72	6.5	38.5	–	–	–
Insulation workers	12.74	6.1	35.5	12.91	5.8	37.0	–	–	–
Paving, surfacing, and tamping equipment operators	11.66	19.0	40.1	11.53	18.9	40.1	–	–	–
Roofers	12.54	9.9	34.9	12.54	9.9	34.9	–	–	–
Sheetmetal duct installers	16.67	10.2	39.0	16.67	10.2	39.0	–	–	–
Structural metal workers	15.95	7.6	39.5	15.97	7.8	40.0	–	–	–
Construction trades, n.e.c.	14.54	7.1	39.2	14.55	7.1	39.8	12.94	9.7	14.3
Supervisors, extractive	21.38	8.3	41.3	22.14	6.0	42.3	–	–	–
Drillers, oil well	16.58	2.3	41.3	16.58	2.3	41.3	–	–	–
Mining machine operators	18.27	5.6	40.0	18.27	5.6	40.0	–	–	–
Mining, n.e.c.	19.52	3.8	40.1	19.52	3.8	40.1	–	–	–
Supervisors, production	18.41	2.0	40.7	18.41	2.0	40.7	–	–	–
Tool and die makers	18.52	2.2	40.0	18.53	2.3	40.2	–	–	–
Tool and die maker apprentices	14.46	6.7	39.9	14.46	6.7	39.9	–	–	–
Precision assemblers, metal	15.51	3.0	40.1	15.51	3.0	40.1	–	–	–
Machinists	15.61	3.7	40.0	15.59	3.7	40.2	–	–	–
Machinist apprentices	11.55	6.2	40.0	11.76	6.1	41.5	–	–	–
Boilermakers	17.73	7.8	40.0	17.73	7.8	40.0	–	–	–
Precision grinders, filers, and tool sharpeners ...	15.05	8.1	40.3	15.05	8.1	40.3	–	–	–
Patternmakers and modelmakers, metal	18.78	6.7	40.0	18.78	6.7	40.0	–	–	–
Layout workers	14.66	5.6	40.0	14.66	5.6	40.0	–	–	–
Precious stones and metals workers	8.50	8.1	40.0	8.50	8.1	40.0	–	–	–
Engravers, metal	18.49	9.4	39.8	18.49	9.4	39.8	–	–	–
Sheet metal workers	15.40	4.9	40.0	15.40	4.9	40.0	–	–	–
Sheet metal worker apprentices	13.48	7.9	40.2	13.48	7.9	40.2	–	–	–
Cabinet makers and bench carpenters	10.84	6.8	39.8	10.81	6.8	40.0	–	–	–
Furniture and wood finishers	11.00	2.1	40.0	11.00	2.1	40.0	–	–	–
Tailors	10.24	6.1	37.9	10.58	6.1	39.7	–	–	–
Upholsterers	13.46	5.3	39.5	13.46	5.3	39.5	–	–	–
Hand molders and shapers, except jewelers	14.22	11.2	40.1	14.22	11.2	40.1	–	–	–
Patternmakers, layout workers, and cutters	16.02	15.0	38.0	16.15	15.2	38.5	–	–	–
Optical goods workers	10.94	12.7	39.8	10.94	12.7	39.8	–	–	–
Dental laboratory and medical appliance technicians	13.39	6.4	39.4	13.39	6.4	39.4	–	–	–

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 1997–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									
Bookbinders	\$13.39	3.9	39.4	\$13.39	3.9	39.4	–	–	–
Electrical and electronic equipment assemblers	9.33	2.3	39.6	9.38	2.2	40.0	\$6.49	5.0	23.7
Miscellaneous precision workers, n.e.c.	14.74	6.4	39.6	14.82	6.4	39.9	–	–	–
Precision food production	10.75	7.4	40.0	10.75	7.4	40.0	–	–	–
Butchers and meat cutters	10.00	4.2	38.7	10.16	4.7	39.9	–	–	–
Bakers	9.36	3.9	35.8	9.70	4.1	39.3	6.80	3.8	21.3
Food batchmakers	8.91	6.5	38.3	9.00	6.9	40.0	–	–	–
Inspectors, testers, and graders	15.76	2.5	40.2	15.79	2.5	40.4	–	–	–
Precision inspectors, testers, and related workers, n.e.c.	18.61	8.7	40.0	18.61	8.7	40.0	–	–	–
Adjusters and calibrators	11.77	12.9	39.7	11.74	13.0	40.0	–	–	–
Water and sewer treatment plant operators	15.13	2.9	39.9	15.14	2.9	40.0	–	–	–
Power plant operators	21.32	2.9	40.0	21.32	2.9	40.0	–	–	–
Stationary engineers	17.67	3.8	39.4	17.65	3.8	39.8	–	–	–
Miscellaneous plant and system operators, n.e.c.	20.23	2.2	40.0	20.23	2.2	40.0	–	–	–
Machine operators, assemblers, and inspectors	11.03	1.1	39.6	11.09	1.1	40.0	6.96	2.5	23.2
Lathe and turning machine set-up operators	13.42	3.7	40.0	13.42	3.7	40.0	–	–	–
Lathe and turning machine operators	12.26	4.4	39.9	12.26	4.4	39.9	–	–	–
Punching and stamping press operators	11.80	3.3	40.0	11.82	3.3	40.1	–	–	–
Rolling machine operators	13.06	8.9	40.2	13.06	8.9	40.2	–	–	–
Drilling and boring machine operators	11.55	9.6	40.0	11.55	9.6	40.0	–	–	–
Grinding, abrading, buffing, and polishing machine operators	10.99	3.0	40.0	11.01	3.0	40.1	–	–	–
Forging machine operators	11.68	4.3	39.9	11.68	4.3	39.9	–	–	–
Numerical control machine operators	12.62	3.5	40.3	12.62	3.5	40.3	–	–	–
Fabricating machine operators, n.e.c.	12.62	2.4	40.0	12.62	2.4	40.0	–	–	–
Molding and casting machine operators	9.82	3.0	39.7	9.91	3.0	39.8	5.71	9.1	32.8
Metal plating machine operators	11.62	3.9	40.3	11.66	3.7	40.6	–	–	–
Heat treating equipment operators	13.26	2.9	40.0	13.26	2.9	40.0	–	–	–
Wood lathe, routing, and planing machine operators	9.77	8.3	40.0	9.77	8.3	40.0	–	–	–
Sawing machine operators	8.96	5.5	39.8	8.95	5.5	40.0	–	–	–
Shaping and jointing machine operators	9.09	6.8	39.9	9.09	6.8	39.9	–	–	–
Nailing and tacking machine operators	9.13	2.4	40.0	9.13	2.4	40.0	–	–	–
Printing press operators	14.67	3.1	39.2	14.68	3.2	39.5	13.51	11.7	24.1
Photoengravers and lithographers	14.51	3.5	38.8	14.62	3.5	39.3	–	–	–
Typesetters and compositors	13.00	5.9	37.3	13.11	6.1	39.3	10.82	10.1	18.4
Winding and twisting machine operators	10.59	6.7	40.1	10.59	6.7	40.2	–	–	–
Knitting, looping, taping, and weaving machine operators	9.15	3.1	40.3	9.15	3.1	40.3	–	–	–
Textile cutting machine operators	9.37	8.2	40.3	9.37	8.2	40.3	–	–	–
Textile sewing machine operators	7.16	3.9	39.4	7.17	4.0	39.8	–	–	–
Shoe machine operators	8.82	8.1	39.9	8.82	8.1	39.9	–	–	–
Pressing machine operators	7.10	3.7	39.7	7.10	3.7	39.7	–	–	–
Laundering and dry cleaning machine operators	7.19	1.5	37.6	7.21	1.6	39.5	6.87	4.6	22.7
Cementing and gluing machine operators	9.86	8.8	40.0	9.86	8.8	40.0	–	–	–
Packaging and filling machine operators	10.07	4.8	39.2	10.10	4.9	40.0	8.87	11.2	20.3
Extruding and forming machine operators	10.76	3.2	39.8	10.76	3.2	39.8	–	–	–
Mixing and blending machine operators	12.57	2.6	40.1	12.57	2.6	40.1	–	–	–
Separating, filtering, and clarifying machine operators	15.26	3.5	39.9	15.26	3.5	39.9	–	–	–
Compressing and compacting machine operators	10.16	3.3	40.0	10.20	3.4	40.7	–	–	–
Painting and paint spraying machine operators	11.53	2.8	40.2	11.53	2.8	40.2	–	–	–
Roasting and baking machine operators, food ..	11.10	9.2	39.5	11.08	9.3	40.0	–	–	–
Washing, cleaning, and pickling machine operators	10.64	7.6	38.1	10.69	7.7	40.8	–	–	–
Folding machine operators	10.95	4.6	39.6	10.95	4.6	39.6	–	–	–
Furnace, kiln, and oven operators, except food	12.98	5.5	39.9	12.98	5.5	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 1997–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									
Crushing and grinding machine operators	\$11.39	5.9	40.0	\$11.39	5.9	40.0	–	–	–
Slicing and cutting machine operators	11.71	5.0	39.8	11.79	5.0	40.0	–	–	–
Photographic process machine operators	10.60	5.0	38.4	10.82	5.0	40.0	\$7.80	13.3	25.3
Miscellaneous machine operators, n.e.c.	11.57	2.4	39.6	11.63	2.4	39.9	6.53	6.3	25.4
Welders and cutters	13.70	1.6	40.1	13.71	1.7	40.1	–	–	–
Solders and braziers	8.54	8.1	40.0	8.54	8.2	40.0	–	–	–
Assemblers	11.15	2.6	39.4	11.26	2.5	40.0	6.19	3.1	23.0
Hand cutting and trimming	8.89	5.8	39.7	8.92	5.8	40.0	–	–	–
Hand molding, casting, and forming	12.03	7.2	39.9	12.06	7.1	40.0	–	–	–
Hand painting, coating, and decorating	10.03	6.2	39.1	10.08	6.3	40.0	–	–	–
Hand engraving and printing	8.13	7.6	40.1	8.13	7.6	40.1	–	–	–
Miscellaneous hand working, n.e.c.	9.50	3.2	38.6	9.62	3.3	39.9	5.45	8.1	18.4
Production inspectors, checkers and examiners	10.68	3.0	39.9	10.69	3.1	40.1	8.18	5.9	22.3
Production testers	11.45	4.2	40.1	11.45	4.2	40.1	–	–	–
Production samplers and weighers	12.51	7.2	40.3	12.51	7.2	40.3	–	–	–
Graders and sorters, except agricultural	8.66	8.3	40.2	8.66	8.3	40.2	–	–	–
Hand inspectors, n.e.c.	9.57	8.1	39.9	9.59	8.1	40.0	–	–	–
Transportation and material moving	13.24	1.2	37.5	13.59	1.2	40.8	9.90	3.9	21.1
Supervisors, motor vehicle operators	15.12	6.5	41.1	15.13	6.5	41.2	–	–	–
Truck drivers	13.92	1.6	39.9	14.07	1.6	41.9	11.34	6.3	22.4
Driver-sales workers	13.13	4.6	39.0	13.69	4.4	41.7	6.52	7.3	22.3
Bus drivers	12.06	1.9	28.6	12.99	2.3	36.7	10.53	2.6	21.0
Taxicab drivers and chauffeurs	8.00	5.2	31.5	8.42	5.7	39.9	7.00	9.6	21.1
Parking lot attendants	6.81	4.3	26.9	7.54	5.2	39.8	6.04	4.4	20.0
Motor transportation, n.e.c.	8.63	5.2	32.0	9.37	6.0	39.3	6.01	3.2	19.3
Railroad conductors and yardmasters	23.43	7.3	40.5	23.43	7.3	40.5	–	–	–
Locomotive operating	22.51	8.9	40.8	22.51	8.9	40.8	–	–	–
Rail vehicle operators, n.e.c.	19.70	1.9	40.0	19.70	1.9	40.0	–	–	–
Ship captains and mates, except fishing boats ..	16.12	6.9	52.0	16.21	7.1	53.2	–	–	–
Sailors and deckhands	9.20	7.2	48.3	9.18	7.3	48.7	–	–	–
Marine engineers	11.95	21.5	57.3	11.95	21.5	57.3	–	–	–
Supervisors, material moving equipment	18.78	5.9	41.3	18.78	5.9	41.3	–	–	–
Operating engineers	14.94	6.9	40.1	14.94	6.9	40.1	–	–	–
Longshore equipment operators	20.66	8.4	30.1	–	–	–	–	–	–
Hoist and winch operators	11.65	7.9	40.8	11.65	7.9	40.8	–	–	–
Crane and tower operators	15.68	3.5	40.3	15.68	3.5	40.3	–	–	–
Excavating and loading machine operators	13.68	5.2	40.1	13.68	5.2	40.1	–	–	–
Grader, dozer, and scrapper operators	12.97	6.7	40.0	12.97	6.7	40.0	–	–	–
Industrial truck and tractor equipment operators	11.69	1.8	39.6	11.72	1.8	40.0	9.28	7.9	22.4
Miscellaneous material moving equipment operators, n.e.c.	13.90	3.4	36.5	14.18	3.6	39.9	–	–	–
Handlers, equipment cleaners, helpers, and laborers	9.34	1.0	35.5	9.80	.9	39.8	6.82	1.5	22.0
Nursery workers	6.65	2.8	38.0	6.74	3.4	40.1	5.76	3.3	25.4
Supervisors, agriculture-related workers	16.56	5.6	40.0	16.53	5.7	40.2	–	–	–
Groundskeepers and gardeners, except farm ...	9.11	3.7	38.1	9.24	4.4	39.8	7.21	3.2	23.6
Animal caretakers, except farm	9.76	8.5	38.1	9.91	8.0	39.6	–	–	–
Inspectors, agricultural products	7.68	5.8	36.5	8.11	9.2	39.8	–	–	–
Supervisors, handlers, equipment cleaners, and laborers, n.e.c.	14.14	2.3	39.9	14.15	2.4	40.4	–	–	–
Helpers, mechanics and repairers	10.95	4.9	39.1	11.01	4.9	40.0	8.44	6.9	19.8
Helpers, construction trades	9.54	2.7	39.5	9.61	2.7	40.1	7.27	10.5	26.3
Helpers, extractive	14.17	13.0	38.4	14.35	13.1	40.0	–	–	–
Construction laborers	10.55	4.5	39.3	10.74	4.6	40.0	6.54	4.6	29.0
Production helpers	9.61	3.6	39.1	9.69	3.6	39.9	7.20	4.6	24.3
Garbage collectors	12.99	11.4	39.4	13.19	11.2	39.7	–	–	–
Stevedores	19.22	4.0	38.8	19.22	4.0	38.9	–	–	–
Stock handlers and baggers	8.25	1.8	29.5	9.66	1.5	39.6	6.12	1.6	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 1997–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									
Handlers, equipment cleaners, helpers, and laborers –Continued									
Machine feeders and offbearers	\$9.16	2.8	38.8	\$9.19	2.9	39.8	\$8.12	8.9	21.6
Freight, stock, and material handlers, n.e.c.	10.47	2.6	34.5	10.82	2.9	39.9	8.88	1.8	21.4
Garage and service station related	8.68	10.7	32.4	9.34	10.6	38.9	6.63	11.0	21.3
Vehicle washers and equipment cleaners	8.45	4.1	37.1	8.62	4.5	40.1	6.80	6.8	21.1
Hand packers and packagers	8.17	1.8	37.6	8.33	1.9	39.8	6.44	2.7	23.5
Laborers, except construction, n.e.c.	8.94	1.4	37.1	9.19	1.4	39.8	6.76	2.6	23.2
Service	9.09	.8	33.0	9.84	.9	39.1	6.33	.7	20.9
Protective service	13.72	1.6	37.9	14.27	1.6	40.7	7.81	3.0	21.4
Supervisors, firefighters and fire prevention	19.53	3.3	49.0	19.53	3.3	49.0	–	–	–
Supervisors, police and detectives	22.99	3.0	40.2	22.99	3.0	40.2	–	–	–
Supervisors, guards	14.75	8.1	37.3	15.39	7.0	39.4	8.22	14.4	23.8
Fire inspection and fire prevention	17.40	5.4	37.4	17.63	5.4	41.2	–	–	–
Firefighting	14.26	2.6	44.4	14.49	2.3	48.6	6.43	13.7	11.5
Police and detectives, public service	18.71	1.5	39.5	18.79	1.5	40.0	11.39	19.4	19.9
Sheriffs, bailiffs, and other law enforcement officers	15.40	2.5	38.8	15.52	2.5	39.8	11.77	8.8	22.3
Correctional institution officers	13.76	3.9	39.8	13.78	4.0	39.9	10.31	14.3	25.4
Crossing guards	8.51	4.3	17.2	–	–	–	8.23	4.4	16.6
Guards and police, except public service	8.21	2.1	35.1	8.36	2.3	39.4	7.53	3.3	23.6
Protective service, n.e.c.	11.03	4.9	29.4	12.40	5.4	39.5	7.67	9.0	18.0
Food service	6.53	.7	30.2	7.09	.9	38.4	5.42	.8	21.3
Supervisors, food preparation and service	10.81	1.8	38.4	11.08	2.0	40.5	7.47	3.2	23.6
Bartenders	5.98	3.4	29.3	6.53	3.8	37.7	5.17	4.9	22.1
Waiters and waitresses	4.04	4.5	29.2	4.29	4.6	38.0	3.58	2.3	20.8
Cooks	8.25	1.0	34.0	8.55	1.1	38.3	7.13	1.9	24.0
Food counter, fountain, and related	5.94	1.4	25.5	6.38	2.7	37.2	5.58	1.3	20.4
Kitchen workers, food preparation	7.42	1.2	30.5	7.91	1.6	38.6	6.53	1.5	22.1
Waiters/Waitresses' assistants	5.40	2.6	27.4	5.83	3.6	38.0	4.87	2.7	20.4
Food preparation, n.e.c.	6.55	1.5	29.8	6.87	3.4	38.4	5.97	1.4	21.1
Health service	8.45	.7	33.7	8.55	.9	38.8	7.92	1.1	20.7
Dental assistants	10.14	4.2	33.6	10.10	4.5	39.9	10.66	7.9	11.2
Health aides, except nursing	9.50	1.2	33.5	9.66	1.3	39.0	8.59	2.6	18.9
Nursing aides, orderlies and attendants	8.15	.9	33.7	8.23	.9	38.7	7.76	1.2	21.2
Cleaning and building service	8.66	1.0	35.0	9.02	1.1	39.4	6.60	1.3	21.5
Supervisors, cleaning and building service workers	10.78	9.6	39.5	10.87	10.1	40.0	7.66	3.9	26.6
Maids and housemen	7.07	1.8	34.8	7.13	2.0	38.6	6.67	2.4	20.9
Janitors and cleaners	8.72	1.1	34.5	9.16	1.2	39.5	6.56	1.4	21.5
Pest control	10.72	8.8	42.2	10.99	8.5	43.9	–	–	–

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 1997–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									
Personal service	\$8.74	1.4	29.8	\$9.54	2.0	37.6	\$6.67	3.0	19.4
Supervisors, personal service	16.62	1.7	38.7	–	–	–	8.07	11.3	17.9
Hairdressers and cosmetologists	–	–	–	–	–	–	7.46	9.3	24.5
Attendants, amusement, and recreation facilities	6.19	4.4	30.6	6.43	4.3	39.6	5.67	5.0	20.4
Guides	8.79	10.6	26.6	10.08	14.0	39.6	7.18	8.4	18.8
Ushers	5.97	3.1	18.4	–	–	–	5.88	4.0	14.8
Public transportation attendants	21.73	7.5	23.1	23.16	6.6	23.3	9.64	14.4	21.1
Baggage porters and bellhops	6.90	6.4	35.6	6.38	6.2	39.5	9.48	15.6	23.9
Welfare service aides	7.13	6.8	27.5	8.09	3.8	38.8	5.90	8.4	20.1
Early childhood teachers' assistants	7.65	2.1	28.6	8.01	2.5	37.2	6.92	2.8	19.4
Child care workers, n.e.c.	8.28	2.2	26.3	8.70	3.2	38.7	7.73	3.2	18.6
Service, n.e.c.	7.24	8.2	31.4	7.30	10.5	39.1	7.03	5.3	18.4

¹ Earnings are the straight-time hourly wages or salaries paid to employees. They include incentive pay, cost-of-living adjustments, and hazard pay. Excluded are premium pay for overtime, vacations, 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 All workers include 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 the 48 contiguous States. Collection was conducted between

October 1996 and July 1998. The average reference period was August 1997.

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 for full-time and part-time workers,² National Compensation Survey,³ 1997

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	\$14.39	0.7	36.4	\$15.12	0.7	39.8	\$8.37	1.2	21.4
All excluding sales	14.54	.7	36.8	15.15	.7	39.8	8.72	1.3	21.4
White collar	18.08	.8	36.8	18.89	.7	39.9	10.65	1.6	21.3
White collar excluding sales	19.15	.7	37.6	19.56	.7	39.8	13.43	1.7	21.3
Professional specialty and technical	22.30	.7	36.6	22.61	.7	39.6	18.80	1.6	19.7
Professional specialty	24.49	.7	36.6	24.81	.7	39.8	20.95	1.8	19.3
Engineers, architects, and surveyors	28.09	.9	40.4	28.09	.9	40.5	28.59	11.2	22.9
Architects	23.29	9.3	40.2	23.27	9.5	41.2	—	—	—
Aerospace engineers	30.44	3.8	40.0	30.44	3.8	40.0	—	—	—
Metallurgical and materials engineers	28.19	3.4	40.4	28.19	3.4	40.4	—	—	—
Mining engineers	29.69	5.0	32.6	29.26	6.5	41.9	—	—	—
Petroleum engineers	38.24	6.4	40.9	38.24	6.4	40.9	—	—	—
Chemical engineers	30.66	2.9	39.9	30.66	2.9	39.9	—	—	—
Nuclear engineers	34.49	3.4	40.5	34.49	3.4	40.5	—	—	—
Civil engineers	26.97	3.0	40.9	26.97	3.0	41.0	—	—	—
Electrical and electronic engineers	29.38	1.2	40.3	29.38	1.2	40.4	—	—	—
Industrial engineers	24.54	3.4	40.6	24.57	3.4	40.6	—	—	—
Mechanical engineers	25.38	2.3	40.3	25.35	2.3	40.6	30.28	17.2	19.5
Engineers, n.e.c.	29.42	1.1	40.3	29.40	1.1	40.4	34.57	9.5	23.5
Surveyors and mapping scientists	20.49	14.8	40.0	20.49	14.8	40.0	—	—	—
Mathematical and computer scientists	27.56	1.5	39.9	27.51	1.5	40.0	36.02	29.3	29.2
Computer systems analysts and scientists	27.46	1.3	40.0	27.47	1.3	40.1	23.32	15.2	27.5
Operations and systems researchers and analysts	28.27	6.4	39.6	27.85	6.6	39.9	47.41	30.3	30.8
Actuaries	27.00	7.2	39.2	27.00	7.2	39.2	—	—	—
Statisticians	25.05	4.6	37.6	25.05	4.6	37.6	—	—	—
Mathematical scientists, n.e.c.	26.26	11.4	38.3	26.26	11.4	38.3	—	—	—
Natural scientists	26.66	2.5	39.7	26.70	2.5	40.2	24.02	12.2	20.9
Physicists and astronomers	41.90	6.9	41.1	41.90	6.9	41.1	—	—	—
Chemists, except biochemists	27.95	4.1	39.9	28.11	4.1	40.2	—	—	—
Atmospheric and space scientists	24.36	22.0	40.6	24.36	22.0	40.6	—	—	—
Geologists and geodesists	30.22	6.4	40.9	30.22	6.4	40.9	—	—	—
Physical scientists, n.e.c.	29.36	3.1	39.8	29.38	3.1	39.9	—	—	—
Agricultural and food scientists	24.29	7.4	40.5	23.64	6.6	41.1	—	—	—
Biological and life scientists	22.68	5.5	39.3	22.69	5.7	40.3	—	—	—
Medical scientists	23.15	7.3	38.1	22.93	7.7	39.7	28.61	10.1	18.9
Health related	21.98	.8	33.2	22.02	.9	39.3	21.84	1.7	20.4
Physicians	44.40	4.8	37.0	43.04	5.2	41.8	58.42	4.6	17.0
Dentists	38.48	8.4	32.1	—	—	—	—	—	—
Health diagnosing practitioners, n.e.c.	20.80	8.6	35.2	—	—	—	—	—	—
Registered nurses	20.09	.7	32.7	20.03	.8	39.0	20.31	1.5	20.8
Pharmacists	26.75	1.3	34.1	26.94	1.4	40.3	25.73	3.9	18.8
Dietitians	16.92	2.4	34.7	16.38	2.1	39.5	19.71	7.1	21.1
Respiratory therapists	16.84	1.5	32.9	16.86	1.7	39.4	16.75	2.0	17.9
Occupational therapists	21.34	5.5	34.6	20.93	6.3	39.5	23.91	6.1	19.5
Physical therapists	24.31	2.8	33.9	23.46	2.8	39.6	29.07	4.6	18.9
Speech therapists	22.02	2.8	32.1	20.74	2.8	39.4	28.49	10.1	16.6
Therapists, n.e.c.	15.18	2.5	36.0	15.18	2.6	39.2	15.25	5.7	21.0
Physicians' assistants	24.49	5.5	36.2	24.61	5.8	39.6	22.92	9.5	16.4
Teachers, college and university	33.43	2.5	33.4	33.92	2.7	38.1	26.85	9.2	12.5
Biological science teachers	33.81	9.0	34.4	33.15	9.2	38.0	—	—	—
Chemistry teachers	43.73	17.9	35.5	43.81	17.9	35.6	—	—	—
Physics teachers	49.93	10.1	35.1	50.17	10.2	37.0	—	—	—
Natural science teachers, n.e.c.	29.13	8.5	31.9	—	—	—	—	—	—
Psychology teachers	32.10	12.3	34.1	32.77	12.9	36.4	22.31	10.8	17.8
Economics teachers	31.53	6.7	37.6	31.53	6.7	37.6	—	—	—
History teachers	26.51	9.3	29.9	27.34	9.8	36.8	—	—	—
Political science teachers	35.81	10.9	34.8	35.24	11.4	37.5	—	—	—
Sociology teachers	32.76	11.8	23.4	34.50	11.1	35.6	—	—	—
Social science teachers, n.e.c.	38.45	10.4	32.4	39.42	11.3	37.5	—	—	—
Engineering teachers	33.07	10.5	33.0	32.37	11.2	36.6	40.19	12.9	16.3
Mathematical science teachers	34.60	11.1	33.0	35.19	11.3	37.3	21.18	13.1	9.2
Computer science teachers	26.85	13.6	27.9	27.05	14.9	37.2	—	—	—

See footnotes at end of table.

Table 2-2. **Private Industry, selected occupations: Mean hourly earnings¹ for full-time and part-time workers,² National Compensation Survey,³ 1997–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									
Medical science teachers	\$42.86	8.4	37.6	\$43.00	8.5	39.1	\$37.85	31.8	15.6
Health specialties teachers	30.58	7.1	39.2	31.09	7.2	41.6	18.93	4.7	17.2
Business, commerce, and marketing teachers ..	34.01	7.2	30.4	34.66	8.6	36.3	20.88	8.5	7.1
Art, drama, and music teachers	27.78	5.8	30.0	28.40	6.7	37.8	24.16	8.6	13.6
Physical education teachers	25.40	5.9	37.2	25.43	5.9	37.9	–	–	–
Education teachers	26.10	18.8	32.4	26.76	19.7	40.0	16.01	8.6	8.3
English teachers	25.82	7.8	31.3	26.25	8.2	36.0	19.97	13.4	11.3
Foreign language teachers	29.90	7.1	32.6	30.99	7.2	39.1	18.00	11.1	11.6
Law teachers	60.87	11.5	36.1	61.14	11.6	38.2	33.72	17.6	5.8
Social work teachers	29.80	3.8	32.2	–	–	–	–	–	–
Theology teachers	34.23	11.6	37.1	34.28	11.6	37.6	–	–	–
Trade and industrial teachers	17.10	15.3	34.6	16.51	15.4	39.7	25.82	6.4	12.0
Teachers, post secondary, subject not specified	27.76	5.6	31.2	29.54	4.7	37.7	17.59	11.8	15.7
Teachers, post secondary, n.e.c.	33.18	6.2	32.5	33.28	7.2	38.2	32.22	13.4	13.0
Teachers, except college and university	16.28	2.1	31.0	16.63	2.2	38.3	13.86	7.5	13.4
Prekindergarten and kindergarten	10.66	7.3	34.6	11.01	6.3	38.0	8.70	13.0	23.0
Elementary school teachers	18.84	3.0	35.4	18.78	3.0	38.0	19.65	7.9	19.1
Secondary school teachers	21.45	2.9	35.3	21.58	3.1	37.9	19.50	6.6	17.5
Teachers, special education	19.32	4.9	35.9	19.26	5.0	37.3	–	–	–
Teachers, n.e.c.	16.16	4.3	21.1	16.76	5.1	39.2	14.67	6.4	9.9
Substitute teachers	8.09	4.7	13.2	–	–	–	8.09	4.7	13.2
Vocational and educational counselors	14.67	5.4	37.0	14.66	5.4	39.1	15.26	12.6	12.1
Librarians, archivists, and curators	20.18	3.9	35.4	20.48	4.0	38.1	15.19	13.6	16.3
Librarians	19.77	3.5	36.0	20.03	3.5	38.0	15.56	15.5	19.6
Archivists and curators	22.18	13.7	33.0	22.65	14.2	38.8	–	–	–
Social scientists and urban planners	21.06	4.2	35.6	21.09	4.2	39.4	20.87	14.4	20.2
Economists	23.48	5.3	39.8	23.38	5.4	40.1	–	–	–
Psychologists	17.55	4.1	31.3	16.79	3.8	38.4	19.96	14.0	19.7
Social scientists, n.e.c.	25.85	11.0	31.4	26.42	11.2	35.9	–	–	–
Social, recreation, and religious workers	13.63	1.7	36.3	13.56	1.8	39.4	14.41	4.6	19.6
Social workers	13.85	1.6	36.1	13.78	1.7	38.9	14.57	4.5	20.1
Recreation workers	11.20	4.7	35.6	11.20	4.6	39.8	11.19	20.6	19.6
Clergy	12.01	15.6	42.2	11.51	19.9	48.1	19.01	18.9	15.4
Religious workers, n.e.c.	20.66	4.2	33.8	20.89	4.2	39.8	15.52	10.3	7.8
Lawyers and judges	39.27	3.8	43.8	39.26	3.8	44.0	–	–	–
Lawyers	39.27	3.8	43.8	39.26	3.8	44.0	–	–	–
Writers, authors, entertainers, athletes, and professionals, n.e.c.	21.45	3.0	37.3	21.81	3.1	39.8	15.64	12.7	18.2
Authors	30.53	33.8	30.8	22.66	27.8	40.0	–	–	–
Technical writers	20.00	3.8	38.6	20.02	3.9	39.9	19.40	10.8	22.2
Designers	20.79	4.6	39.9	20.95	4.6	40.4	14.34	20.7	25.5
Musicians and composers	43.00	15.6	16.5	45.43	20.7	28.7	38.37	23.6	9.1
Actors and directors	23.34	12.6	35.0	24.83	12.5	40.5	12.90	39.0	17.9
Painters, sculptors, craft artists, and artist printmakers	18.77	14.5	36.6	18.11	16.3	40.1	–	–	–
Photographers	16.03	7.9	39.3	16.09	8.0	40.1	–	–	–
Artists, performers, and related workers, n.e.c.	12.05	15.2	26.1	15.70	22.0	37.0	8.46	8.6	20.2
Editors and reporters	22.15	5.0	38.9	22.32	5.1	39.4	14.83	16.4	24.9
Public relations specialists	20.24	6.0	39.4	20.34	6.2	40.0	16.33	11.4	26.0
Announcers	20.24	19.8	31.0	21.56	22.9	41.8	15.87	26.5	16.7
Athletes	28.61	46.4	24.0	–	–	–	10.30	11.4	11.4
Professional, n.e.c.	23.71	4.2	39.2	23.81	4.2	39.7	18.85	13.1	23.5
Technical	17.15	1.0	36.6	17.47	1.1	39.2	13.46	1.5	20.8
Clinical laboratory technologists and technicians	15.09	1.5	36.3	15.09	1.6	39.5	15.05	4.1	20.5
Dental hygienists	23.53	1.6	34.8	23.79	1.1	37.6	–	–	–
Health record technologists and technicians	11.55	3.5	35.0	11.58	3.8	39.0	11.35	5.0	18.2
Radiological technicians	16.41	1.4	33.4	16.39	1.5	39.5	16.52	3.2	20.8
Licensed practical nurses	12.58	.9	34.3	12.50	1.0	39.2	12.92	1.8	22.0

See footnotes at end of table.

Table 2-2. **Private Industry, selected occupations: Mean hourly earnings¹ for full-time and part-time workers,² National Compensation Survey,³ 1997–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									
Health technologists and technicians, n.e.c.	\$12.85	1.7	34.1	\$13.07	2.0	39.9	\$11.66	2.2	18.8
Electrical and electronic technicians	17.92	1.9	39.8	17.93	2.0	40.1	16.45	19.8	22.9
Industrial engineering technicians	16.35	6.3	40.2	16.35	6.3	40.2	–	–	–
Mechanical engineering technicians	19.11	2.9	40.2	19.19	2.8	40.5	–	–	–
Engineering technicians, n.e.c.	18.97	2.2	39.7	19.03	2.1	40.0	13.86	20.9	24.6
Drafters	16.46	2.2	39.5	16.50	2.2	40.2	14.31	12.2	20.8
Surveying and mapping technicians	16.03	9.2	40.3	16.50	8.8	40.3	–	–	–
Biological technicians	16.43	5.6	39.6	16.43	5.6	39.9	–	–	–
Chemical technicians	17.16	2.6	39.7	17.18	2.6	39.9	–	–	–
Science technicians, n.e.c.	17.69	4.8	38.0	17.53	5.2	39.8	–	–	–
Airplane pilots and navigators	64.98	9.4	24.2	65.01	9.4	24.2	–	–	–
Broadcast equipment operators	17.11	13.1	36.0	18.44	12.6	39.5	7.32	11.6	21.7
Computer programmers	20.81	1.6	39.6	20.86	1.6	40.0	18.07	14.1	24.6
Tool programmers, numerical control	17.13	6.5	39.9	17.16	6.6	40.2	–	–	–
Legal assistants	17.01	2.3	39.3	17.07	2.3	39.6	–	–	–
Technical and related, n.e.c.	18.00	3.4	39.0	18.13	3.5	39.9	11.46	5.7	18.0
Executive, administrative, and managerial	27.86	.8	40.5	27.90	.8	40.7	21.62	6.2	24.3
Executives, administrators, and managers	31.73	1.0	40.9	31.76	1.0	41.1	25.33	8.7	23.8
Administrators and officials, public administration	27.19	18.1	39.2	27.19	18.1	39.2	–	–	–
Financial managers	32.35	2.5	40.5	32.38	2.5	40.6	24.02	17.5	20.9
Personnel and labor relations managers	31.51	3.7	40.9	31.55	3.7	41.1	–	–	–
Purchasing managers	29.82	4.2	41.1	29.82	4.2	41.1	–	–	–
Managers, marketing, advertising, and public relations	34.94	2.0	41.0	34.94	2.0	41.0	–	–	–
Administrators, education and related fields	24.81	3.9	38.9	25.04	3.9	39.7	13.82	12.2	19.0
Managers, medicine and health	29.12	2.4	39.4	29.17	2.5	40.0	26.48	8.9	22.7
Managers, food servicing and lodging establishments	16.96	3.5	43.5	16.99	3.5	43.7	–	–	–
Managers, properties and real estate	26.48	9.2	40.6	26.58	9.3	40.8	–	–	–
Managers, service organizations, n.e.c.	25.57	4.9	39.9	25.58	5.0	40.3	25.08	32.5	26.8
Managers and administrators, n.e.c.	33.42	1.4	41.3	33.42	1.4	41.4	31.46	12.1	25.9
Management related	21.69	.9	39.8	21.72	.9	40.0	18.19	5.5	24.8
Accountants and auditors	20.19	2.9	39.7	20.18	2.9	39.9	23.12	9.2	18.4
Underwriters	23.28	10.7	39.5	23.28	10.7	39.5	–	–	–
Other financial officers	23.71	3.2	40.0	23.77	3.2	40.1	16.43	20.4	25.3
Management analysts	24.75	2.5	40.1	24.76	2.5	40.2	–	–	–
Personnel, training, and labor relations specialists	20.57	1.8	39.9	20.65	1.8	40.1	14.96	8.4	28.0
Purchasing agents and buyers, farm products ..	20.13	4.4	39.9	20.13	4.4	39.9	–	–	–
Buyers, wholesale and retail trade, except farm products	23.11	7.7	40.6	23.15	7.7	40.9	–	–	–
Purchasing agents and buyers, n.e.c.	21.22	2.4	39.9	21.24	2.4	40.0	–	–	–
Business and promotional agents	19.93	8.4	39.5	19.93	8.4	39.5	–	–	–
Construction inspectors	21.34	8.2	40.9	21.80	8.0	41.6	–	–	–
Inspectors and compliance officers, except construction	21.42	4.2	40.3	21.48	4.3	40.5	–	–	–
Management related, n.e.c.	21.89	1.3	39.6	21.93	1.3	40.0	19.71	7.7	25.2
Sales	12.80	3.5	33.0	14.74	5.2	40.2	6.92	1.3	21.4
Supervisors, sales	18.27	2.3	40.8	18.43	2.3	41.3	10.13	17.3	25.5
Insurance sales	23.00	9.3	36.6	23.93	8.8	39.3	–	–	–
Real estate sales	35.37	22.1	40.5	35.85	21.9	41.0	–	–	–
Securities and financial services sales	34.66	11.8	38.8	35.35	11.7	40.4	–	–	–
Advertising and related sales	17.86	9.3	37.8	18.66	9.3	40.3	9.68	8.2	23.0
Sales, other business services	19.48	8.7	36.6	20.74	8.5	40.0	8.48	5.1	20.9
Sales engineers	27.60	5.5	41.5	27.60	5.5	41.5	–	–	–
Sales representatives, mining, manufacturing, and wholesale	23.54	3.3	41.0	23.58	3.3	41.1	–	–	–

See footnotes at end of table.

Table 2-2. **Private Industry, selected occupations: Mean hourly earnings¹ for full-time and part-time workers,² National Compensation Survey,³ 1997–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, motor vehicles and boats	\$16.89	3.6	44.0	\$16.92	3.6	44.2	–	–	–
Sales workers, apparel	8.10	3.9	26.4	9.13	4.6	38.4	\$7.13	4.3	20.4
Sales workers, shoes	10.03	10.1	28.9	11.45	11.1	39.2	7.59	11.3	20.0
Sales workers, furniture and home furnishings ..	10.29	9.3	30.2	12.53	7.1	39.4	6.78	7.4	22.1
Sales workers, radio, tv, hi-fi, and appliances ...	11.14	6.3	37.2	11.46	6.4	40.2	7.95	10.2	21.4
Sales workers, hardware and building supplies	10.56	5.9	37.2	11.06	6.7	40.1	8.11	3.4	27.3
Sales workers, parts	14.10	6.2	39.0	14.71	6.1	40.9	6.70	7.0	24.9
Sales workers, other commodities	10.06	4.3	30.3	11.64	5.5	39.2	6.94	1.3	21.0
Sales counter clerks	7.86	3.1	29.0	8.92	3.2	39.8	6.50	3.7	21.5
Cashiers	7.57	1.8	30.0	8.29	1.8	39.3	6.45	1.6	21.8
Street and door-to-door sales workers	15.71	23.8	27.8	21.01	25.8	38.3	8.60	6.3	20.3
News vendors	7.09	8.0	16.7	–	–	–	6.71	4.6	15.7
Demonstrators, promoters, and models, sales ..	8.70	6.5	22.3	11.73	6.4	39.1	6.93	1.8	17.9
Sales support, n.e.c.	11.55	5.5	36.5	11.99	6.2	40.0	8.50	5.5	22.7
Administrative support, including clerical									
Supervisors, general office	16.13	1.8	39.7	16.12	1.8	39.9	17.39	22.0	27.8
Supervisors, computer equipment operators	20.37	6.1	39.8	20.37	6.1	39.8	–	–	–
Supervisors, financial records processing	17.63	2.0	39.8	17.63	2.0	39.8	–	–	–
Chief communications operators	18.09	7.3	40.5	18.09	7.3	40.5	–	–	–
Supervisors, distribution, scheduling, and adjusting clerks	17.03	3.4	40.6	17.05	3.5	40.8	–	–	–
Computer operators	13.58	1.9	39.1	13.61	2.0	39.6	11.17	17.0	22.6
Peripheral equipment operators	10.08	5.0	39.0	10.13	5.2	39.4	–	–	–
Secretaries	13.20	.9	38.0	13.31	.9	39.3	11.18	3.3	24.2
Stenographers	12.16	3.0	35.5	12.32	3.1	39.5	11.43	9.1	24.4
Typists	11.96	2.5	36.6	12.27	2.5	39.0	9.61	3.9	25.1
Interviewers	9.34	2.1	32.0	9.48	2.3	38.7	8.81	4.6	19.3
Hotel clerks	7.85	3.4	36.6	8.01	3.5	39.2	6.34	3.7	22.4
Transportation ticket and reservation agents	11.52	7.4	36.2	11.74	7.7	39.8	10.21	6.9	24.0
Receptionists	8.89	1.1	34.9	9.13	1.2	39.6	7.69	1.9	21.9
Information clerks, n.e.c.	11.06	3.9	35.5	11.07	3.9	39.2	11.03	11.8	25.0
Classified ad clerks	9.34	14.6	36.2	9.48	15.4	38.5	–	–	–
Correspondence clerks	10.80	5.4	38.4	10.89	5.6	39.7	8.48	11.3	20.2
Order clerks	11.38	1.7	37.7	11.67	1.8	39.7	8.05	2.5	23.9
Personnel clerks, except payroll and timekeeping	11.93	2.4	38.4	12.01	2.5	39.5	9.94	6.8	22.5
Library clerks	11.74	4.9	32.6	12.35	5.2	37.7	9.04	6.7	20.3
File clerks	8.49	2.1	35.0	8.63	2.3	39.4	7.61	4.7	20.3
Records clerks, n.e.c.	10.57	1.4	37.5	10.72	1.4	39.4	8.54	3.4	22.4
Bookkeepers, accounting and auditing clerks ...	11.24	1.1	38.3	11.40	1.0	39.6	8.22	3.5	23.6
Payroll and timekeeping clerks	12.27	2.2	38.7	12.38	2.2	39.8	8.99	8.0	20.9
Billing clerks	10.65	1.8	38.1	10.79	1.7	39.7	8.45	7.8	23.1
Cost and rate clerks	11.90	5.8	38.2	11.94	6.0	39.3	–	–	–
Billing, posting, and calculating machine operators	8.90	4.9	34.9	9.07	5.9	39.5	8.10	3.7	22.3
Duplicating machine operators	9.61	2.9	35.9	9.98	3.2	38.9	7.96	4.9	26.7
Mail preparing and paper handling machine operators	8.86	5.2	33.4	9.07	5.9	39.5	7.26	9.4	15.1
Office machine operators, n.e.c.	8.32	6.1	36.1	8.52	6.9	39.4	7.22	6.0	25.1
Telephone operators	11.35	4.0	35.7	11.85	4.1	38.9	7.65	2.7	22.1
Communications equipment operators, n.e.c. ...	9.34	7.5	33.6	9.64	6.7	39.9	–	–	–
Mail clerks, except postal service	8.93	3.3	35.7	9.21	3.9	39.1	7.59	3.1	25.2
Messengers	10.83	10.0	36.1	11.29	10.1	39.2	8.27	7.7	25.1
Dispatchers	11.96	4.1	38.5	12.15	3.9	40.5	8.70	7.1	20.7
Production coordinators	14.10	1.7	38.8	14.25	1.8	40.0	8.91	11.0	18.6
Traffic, shipping and receiving clerks	11.27	3.0	37.6	11.42	3.1	39.9	9.37	7.5	21.9
Stock and inventory clerks	10.65	1.7	36.1	11.07	1.6	39.9	7.44	2.7	21.0
Meter readers	14.56	4.7	39.9	14.58	4.7	40.0	–	–	–
Weighers, measurers, checkers, and samplers	12.58	6.2	39.4	12.72	6.3	40.0	–	–	–
Expeditors	12.54	3.2	38.3	12.83	3.8	40.0	11.23	10.6	32.1

See footnotes at end of table.

Table 2-2. **Private Industry, selected occupations: Mean hourly earnings¹ for full-time and part-time workers,² National Compensation Survey,³ 1997–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									
Material recording, scheduling, and distribution clerks, n.e.c.	\$12.32	3.9	37.3	\$12.77	4.2	39.9	\$7.64	4.7	22.5
Insurance adjusters, examiners, and investigators	14.56	3.0	38.9	14.56	3.0	39.1	14.04	21.9	22.8
Investigators and adjusters, except insurance ...	11.70	2.7	37.4	11.89	2.9	39.7	9.23	3.4	21.5
Eligibility clerks, social welfare	11.06	4.3	38.4	11.14	4.3	39.7	9.06	7.2	21.1
Bill and account collectors	10.33	5.9	38.6	10.43	5.8	39.9	8.12	6.8	22.1
General office clerks	10.61	1.3	36.0	10.94	1.3	39.4	8.09	3.0	21.7
Bank tellers	8.63	1.8	32.4	8.79	2.2	39.5	8.11	1.5	20.7
Proofreaders	10.32	6.2	37.5	10.36	6.5	39.7	9.63	11.7	18.2
Data entry keyers	9.48	1.6	36.7	9.71	1.9	39.6	7.96	2.6	24.6
Statistical clerks	11.90	4.9	36.7	12.07	5.2	39.2	9.55	5.7	19.4
Teachers' aides	7.98	3.8	31.2	8.29	5.3	37.0	7.24	6.1	22.8
Administrative support, n.e.c.	11.19	2.0	36.6	11.53	2.2	39.6	8.45	3.2	22.7
Blue collar	12.24	.8	38.4	12.52	.8	40.1	7.48	2.7	22.0
Precision production, craft, and repair	15.88	1.3	39.8	15.93	1.3	40.1	10.60	11.6	22.8
Supervisors, mechanics and repairers	21.87	2.1	40.6	21.88	2.1	40.7	–	–	–
Automobile mechanics	16.51	3.4	40.9	16.52	3.4	40.9	–	–	–
Automobile mechanic apprentices	9.65	8.8	38.2	9.80	8.9	39.6	–	–	–
Bus, truck, and stationary engine mechanics	14.91	2.5	40.2	14.90	2.6	40.3	–	–	–
Aircraft engine mechanics	21.12	4.0	40.0	21.12	4.0	40.0	–	–	–
Small engine repairs	12.37	10.7	36.3	12.90	10.1	39.8	–	–	–
Automobile body and related repairers	15.24	4.7	40.5	15.24	4.7	40.5	–	–	–
Aircraft mechanics, except engine	17.93	5.0	40.1	17.93	5.0	40.1	–	–	–
Heavy equipment mechanics	16.39	4.0	40.1	16.41	4.0	40.1	–	–	–
Industrial machinery repairers	16.05	1.7	39.9	16.05	1.7	40.0	–	–	–
Machinery maintenance	12.73	3.4	40.1	12.74	3.4	40.1	–	–	–
Electronic repairers, communications and industrial equipment	16.50	3.3	39.4	16.60	3.3	40.0	11.32	21.1	22.7
Data processing equipment repairers	15.58	5.0	37.7	15.12	4.1	39.8	–	–	–
Household appliance and power tool repairers	16.44	5.4	38.6	16.59	5.3	40.0	–	–	–
Telephone line installers and repairers	18.60	4.2	39.7	18.59	4.2	40.0	–	–	–
Telephone installers and repairers	17.45	4.2	40.0	17.45	4.2	40.0	–	–	–
Heating, air conditioning, and refrigeration mechanics	16.31	3.3	39.7	15.94	2.5	40.0	–	–	–
Camera, watch, and musical instrument repairers	16.08	10.9	40.0	16.08	10.9	40.0	–	–	–
Locksmiths and safe repairers	17.65	7.1	40.0	17.65	7.1	40.0	–	–	–
Office machine repairers	14.34	5.0	39.5	14.34	5.0	39.5	–	–	–
Mechanical controls and valve repairers	18.20	4.8	40.0	18.20	4.8	40.0	–	–	–
Elevator installers and repairers	19.08	22.8	40.0	19.08	22.8	40.0	–	–	–
Millwrights	18.49	5.9	40.1	18.49	5.9	40.1	–	–	–
Mechanics and repairers, n.e.c.	15.66	1.8	39.6	15.72	1.8	39.9	10.17	11.6	21.3
Supervisors, brickmasons, stonemasons, and tilers	20.99	10.0	39.4	20.99	10.0	39.4	–	–	–
Supervisors, carpenters and related workers	21.13	5.2	40.5	21.13	5.2	40.5	–	–	–
Supervisors, electricians and power transmission installers	22.49	5.0	40.0	22.49	5.0	40.0	–	–	–
Supervisors, painters, paperhangers, and plasterers	17.79	3.7	40.0	17.80	3.7	40.0	–	–	–
Supervisors, plumbers, pipefitters, and steamfitters	20.61	11.6	40.3	20.61	11.6	40.3	–	–	–
Supervisors, construction trades, n.e.c.	19.13	2.8	40.8	19.11	2.9	40.9	–	–	–
Brickmasons and stonemasons	15.75	9.5	40.0	15.75	9.5	40.0	–	–	–
Tile setters, hard and soft	15.19	4.2	39.0	–	–	–	–	–	–
Carpet installers	21.56	7.2	38.7	21.81	6.9	38.7	–	–	–
Carpenters	16.28	2.6	39.5	16.37	2.7	39.8	12.04	8.6	28.1
Carpenter apprentices	12.04	4.7	40.0	12.05	4.7	40.0	–	–	–

See footnotes at end of table.

Table 2-2. **Private Industry, selected occupations: Mean hourly earnings¹ for full-time and part-time workers,² National Compensation Survey,³ 1997–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									
Drywall installers	\$14.12	3.4	40.1	\$14.09	3.3	40.3	–	–	–
Electricians	18.71	2.2	40.0	18.71	2.2	40.0	–	–	–
Electrician apprentices	11.88	5.3	40.2	11.88	5.3	40.2	–	–	–
Electrical power installers and repairers	21.20	3.3	40.0	21.20	3.3	40.0	–	–	–
Painters, construction and maintenance	13.40	7.1	39.7	13.42	7.1	39.9	–	–	–
Plumbers, pipefitters and steamfitters	19.26	3.2	39.8	19.26	3.2	40.0	–	–	–
Plumber, pipefitter, and steamfitter apprentices	13.16	5.2	40.3	13.16	5.2	40.3	–	–	–
Concrete and terrazzo finishers	13.11	7.3	39.3	13.15	7.7	40.2	–	–	–
Glaziers	14.21	7.9	36.8	14.21	7.9	36.8	–	–	–
Insulation workers	12.74	6.2	35.5	12.92	5.9	37.0	–	–	–
Roofers	12.47	10.3	34.7	12.47	10.3	34.7	–	–	–
Sheetmetal duct installers	16.67	10.2	39.0	16.67	10.2	39.0	–	–	–
Structural metal workers	15.52	7.8	39.4	15.53	8.0	40.0	–	–	–
Construction trades, n.e.c.	16.29	9.2	39.1	16.34	9.2	39.8	–	–	–
Supervisors, extractive	21.38	8.3	41.3	22.14	6.0	42.3	–	–	–
Drillers, oil well	16.58	2.3	41.3	16.58	2.3	41.3	–	–	–
Mining machine operators	18.27	5.6	40.0	18.27	5.6	40.0	–	–	–
Mining, n.e.c.	19.52	3.8	40.1	19.52	3.8	40.1	–	–	–
Supervisors, production	18.47	2.1	40.7	18.46	2.1	40.7	–	–	–
Tool and die makers	18.54	2.2	40.0	18.55	2.3	40.2	–	–	–
Tool and die maker apprentices	14.46	6.7	39.9	14.46	6.7	39.9	–	–	–
Precision assemblers, metal	15.51	3.0	40.1	15.51	3.0	40.1	–	–	–
Machinists	15.50	3.7	40.0	15.49	3.7	40.3	–	–	–
Machinist apprentices	11.55	6.2	40.0	11.76	6.1	41.5	–	–	–
Boilermakers	17.49	7.8	40.0	17.49	7.8	40.0	–	–	–
Precision grinders, filers, and tool sharpeners ...	15.05	8.1	40.3	15.05	8.1	40.3	–	–	–
Patternmakers and modelmakers, metal	18.78	6.7	40.0	18.78	6.7	40.0	–	–	–
Layout workers	14.66	5.6	40.0	14.66	5.6	40.0	–	–	–
Precious stones and metals workers	8.50	8.1	40.0	8.50	8.1	40.0	–	–	–
Engravers, metal	18.49	9.4	39.8	18.49	9.4	39.8	–	–	–
Sheet metal workers	15.40	4.9	40.0	15.40	4.9	40.0	–	–	–
Sheet metal worker apprentices	13.48	7.9	40.2	13.48	7.9	40.2	–	–	–
Cabinet makers and bench carpenters	10.63	6.9	39.8	10.59	7.0	40.0	–	–	–
Furniture and wood finishers	11.00	2.1	40.0	11.00	2.1	40.0	–	–	–
Tailors	10.24	6.1	37.9	10.58	6.1	39.7	–	–	–
Upholsterers	13.46	5.3	39.5	13.46	5.3	39.5	–	–	–
Hand molders and shapers, except jewelers	14.22	11.2	40.1	14.22	11.2	40.1	–	–	–
Patternmakers, layout workers, and cutters	16.02	15.0	38.0	16.15	15.2	38.5	–	–	–
Optical goods workers	10.94	12.7	39.8	10.94	12.7	39.8	–	–	–
Bookbinders	13.39	3.9	39.4	13.39	3.9	39.4	–	–	–
Electrical and electronic equipment assemblers	9.33	2.3	39.6	9.38	2.2	40.0	\$6.49	5.0	23.7
Miscellaneous precision workers, n.e.c.	14.74	6.4	39.6	14.82	6.4	39.9	–	–	–
Precision food production	10.75	7.4	40.0	10.75	7.4	40.0	–	–	–
Butchers and meat cutters	10.00	4.2	38.7	10.16	4.7	39.9	–	–	–
Bakers	9.44	4.1	35.5	9.81	4.3	39.3	6.80	3.8	21.3
Food batchmakers	8.91	6.5	38.3	9.00	6.9	40.0	–	–	–
Inspectors, testers, and graders	15.61	2.7	40.2	15.65	2.7	40.4	–	–	–
Precision inspectors, testers, and related workers, n.e.c.	18.61	8.7	40.0	18.61	8.7	40.0	–	–	–
Adjusters and calibrators	11.77	12.9	39.7	11.74	13.0	40.0	–	–	–
Water and sewer treatment plant operators	14.58	2.7	40.0	14.58	2.7	40.0	–	–	–
Power plant operators	21.49	3.0	40.2	21.49	3.0	40.2	–	–	–
Stationary engineers	17.85	4.9	39.4	17.84	5.0	39.9	–	–	–
Miscellaneous plant and system operators, n.e.c.	20.33	2.2	40.0	20.33	2.2	40.0	–	–	–
Machine operators, assemblers, and inspectors									
Lathe and turning machine set-up operators	13.42	3.7	40.0	13.42	3.7	40.0	–	–	–
Lathe and turning machine operators	12.26	4.4	39.9	12.26	4.4	39.9	–	–	–
Punching and stamping press operators	11.80	3.3	40.0	11.82	3.3	40.1	–	–	–
Rolling machine operators	13.06	8.9	40.2	13.06	8.9	40.2	–	–	–

See footnotes at end of table.

Table 2-2. **Private Industry, selected occupations: Mean hourly earnings¹ for full-time and part-time workers,² National Compensation Survey,³ 1997–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	\$11.54	9.6	40.0	\$11.54	9.6	40.0	–	–	–
Grinding, abrading, buffing, and polishing machine operators	10.99	3.0	40.0	11.01	3.0	40.1	–	–	–
Forging machine operators	11.68	4.3	39.9	11.68	4.3	39.9	–	–	–
Numerical control machine operators	12.62	3.5	40.3	12.62	3.5	40.3	–	–	–
Fabricating machine operators, n.e.c.	12.62	2.4	40.0	12.62	2.4	40.0	–	–	–
Molding and casting machine operators	9.82	3.0	39.7	9.91	3.0	39.8	\$5.71	9.1	32.8
Metal plating machine operators	11.62	3.9	40.3	11.66	3.7	40.6	–	–	–
Heat treating equipment operators	13.26	2.9	40.0	13.26	2.9	40.0	–	–	–
Wood lathe, routing, and planing machine operators	9.77	8.3	40.0	9.77	8.3	40.0	–	–	–
Sawing machine operators	8.96	5.5	39.8	8.95	5.5	40.0	–	–	–
Shaping and jointing machine operators	9.09	6.8	39.9	9.09	6.8	39.9	–	–	–
Nailing and tacking machine operators	9.13	2.4	40.0	9.13	2.4	40.0	–	–	–
Printing press operators	14.83	3.3	39.2	14.83	3.3	39.5	14.09	13.1	25.2
Photoengravers and lithographers	14.51	3.5	38.8	14.62	3.5	39.3	–	–	–
Typesetters and compositors	12.69	5.7	37.6	12.76	6.0	39.5	11.09	11.0	18.3
Winding and twisting machine operators	10.59	6.7	40.1	10.59	6.7	40.2	–	–	–
Knitting, looping, taping, and weaving machine operators	9.15	3.1	40.3	9.15	3.1	40.3	–	–	–
Textile cutting machine operators	9.37	8.2	40.3	9.37	8.2	40.3	–	–	–
Textile sewing machine operators	7.16	3.9	39.4	7.17	4.0	39.8	–	–	–
Shoe machine operators	8.82	8.1	39.9	8.82	8.1	39.9	–	–	–
Pressing machine operators	7.10	3.7	39.7	7.10	3.7	39.7	–	–	–
Laundering and dry cleaning machine operators	7.07	1.5	37.7	7.10	1.6	39.5	6.70	4.6	23.1
Cementing and gluing machine operators	9.86	8.8	40.0	9.86	8.8	40.0	–	–	–
Packaging and filling machine operators	10.07	4.8	39.2	10.10	4.9	40.0	8.87	11.2	20.3
Extruding and forming machine operators	10.76	3.2	39.8	10.76	3.2	39.8	–	–	–
Mixing and blending machine operators	12.57	2.6	40.1	12.57	2.6	40.1	–	–	–
Separating, filtering, and clarifying machine operators	15.27	3.5	39.9	15.27	3.5	39.9	–	–	–
Compressing and compacting machine operators	10.18	3.3	40.2	10.20	3.4	40.7	–	–	–
Painting and paint spraying machine operators	11.53	2.8	40.2	11.53	2.8	40.2	–	–	–
Roasting and baking machine operators, food ..	11.10	9.2	39.5	11.08	9.3	40.0	–	–	–
Washing, cleaning, and pickling machine operators	10.64	7.6	38.1	10.69	7.7	40.8	–	–	–
Folding machine operators	10.95	4.6	39.6	10.95	4.6	39.6	–	–	–
Furnace, kiln, and oven operators, except food ..	12.85	5.8	39.9	12.86	5.8	40.0	–	–	–
Crushing and grinding machine operators	11.39	5.9	40.0	11.39	5.9	40.0	–	–	–
Slicing and cutting machine operators	11.71	5.0	39.8	11.79	5.0	40.0	–	–	–
Photographic process machine operators	10.61	5.0	38.4	10.83	5.0	40.0	7.80	13.3	25.3
Miscellaneous machine operators, n.e.c.	11.56	2.4	39.6	11.62	2.4	39.9	6.52	6.3	25.5
Welders and cutters	13.59	1.9	40.1	13.61	1.9	40.1	–	–	–
Solders and braziers	8.54	8.1	40.0	8.54	8.2	40.0	–	–	–
Assemblers	11.15	2.6	39.4	11.26	2.5	40.0	6.19	3.1	23.0
Hand cutting and trimming	8.89	5.8	39.7	8.92	5.8	40.0	–	–	–
Hand molding, casting, and forming	12.03	7.2	39.9	12.06	7.1	40.0	–	–	–
Hand painting, coating, and decorating	10.08	6.3	39.1	10.13	6.4	40.0	–	–	–
Hand engraving and printing	8.13	7.6	40.1	8.13	7.6	40.1	–	–	–
Miscellaneous hand working, n.e.c.	9.50	3.2	38.6	9.62	3.3	39.9	5.45	8.1	18.4
Production inspectors, checkers and examiners ..	10.68	3.1	39.9	10.69	3.1	40.1	8.18	5.9	22.3
Production testers	11.45	4.2	40.1	11.45	4.2	40.1	–	–	–
Production samplers and weighers	12.51	7.2	40.3	12.51	7.2	40.3	–	–	–
Graders and sorters, except agricultural	8.66	8.3	40.2	8.66	8.3	40.2	–	–	–
Hand inspectors, n.e.c.	9.57	8.1	39.9	9.59	8.1	40.0	–	–	–
Transportation and material moving	13.30	1.4	38.3	13.65	1.4	41.2	9.44	6.0	21.6
Supervisors, motor vehicle operators	15.80	6.1	41.9	15.80	6.1	41.9	–	–	–
Truck drivers	14.01	1.6	40.0	14.18	1.7	42.0	11.39	6.3	22.4

See footnotes at end of table.

Table 2-2. **Private Industry, selected occupations: Mean hourly earnings¹ for full-time and part-time workers,² National Compensation Survey,³ 1997–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									
Driver-sales workers	\$13.12	4.6	39.0	\$13.69	4.4	41.7	\$6.52	7.3	22.3
Bus drivers	10.63	3.6	29.3	11.28	4.3	37.9	9.75	5.3	22.5
Taxicab drivers and chauffeurs	7.92	5.0	31.5	8.59	6.0	39.9	6.34	3.6	21.0
Parking lot attendants	6.77	4.3	26.7	7.49	5.4	39.8	6.04	4.4	20.0
Motor transportation, n.e.c.	7.81	5.5	31.0	8.43	6.6	39.3	6.00	3.2	19.3
Railroad conductors and yardmasters	23.43	7.6	40.5	23.43	7.6	40.5	–	–	–
Locomotive operating	24.05	11.3	41.3	24.05	11.3	41.3	–	–	–
Ship captains and mates, except fishing boats ..	15.99	6.8	52.4	16.08	7.0	53.7	–	–	–
Sailors and deckhands	8.90	7.0	49.0	8.91	7.0	49.0	–	–	–
Marine engineers	11.68	21.2	57.9	11.68	21.2	57.9	–	–	–
Supervisors, material moving equipment	19.15	5.7	41.4	19.15	5.7	41.4	–	–	–
Operating engineers	17.58	8.6	40.1	17.58	8.6	40.1	–	–	–
Longshore equipment operators	20.66	8.4	30.1	–	–	–	–	–	–
Hoist and winch operators	11.65	7.9	40.8	11.65	7.9	40.8	–	–	–
Crane and tower operators	15.67	3.5	40.3	15.67	3.5	40.3	–	–	–
Excavating and loading machine operators	14.10	5.9	40.2	14.10	5.9	40.2	–	–	–
Grader, dozer, and scrapper operators	14.23	10.3	40.3	14.23	10.3	40.3	–	–	–
Industrial truck and tractor equipment operators	11.70	1.8	39.6	11.73	1.9	40.0	9.28	7.9	22.4
Miscellaneous material moving equipment operators, n.e.c.	14.15	4.0	36.0	14.51	4.3	40.0	–	–	–
Handlers, equipment cleaners, helpers, and laborers									
Nursery workers	6.56	2.6	37.7	6.66	3.2	40.1	5.76	3.3	25.4
Supervisors, agriculture-related workers	16.66	12.4	40.2	16.50	12.9	40.2	–	–	–
Groundskeepers and gardeners, except farm ...	8.24	2.1	38.4	8.30	2.3	39.8	6.93	4.5	22.4
Animal caretakers, except farm	9.05	13.0	36.7	9.29	12.4	39.7	–	–	–
Inspectors, agricultural products	7.56	8.1	36.0	8.03	13.8	39.8	–	–	–
Supervisors, handlers, equipment cleaners, and laborers, n.e.c.	13.88	2.6	39.9	13.89	2.7	40.6	–	–	–
Helpers, mechanics and repairers	10.66	6.0	39.3	10.71	6.1	40.2	7.94	9.0	19.6
Helpers, construction trades	9.41	2.8	39.5	9.48	2.8	40.2	7.27	10.6	26.3
Helpers, extractive	14.17	13.0	38.4	14.35	13.1	40.0	–	–	–
Construction laborers	10.52	5.4	39.3	10.71	5.6	40.0	6.28	5.1	28.9
Production helpers	9.61	3.6	39.3	9.69	3.6	39.9	6.88	4.3	25.3
Garbage collectors	11.44	17.1	39.4	11.71	17.6	40.0	–	–	–
Stevedores	19.25	4.0	38.8	19.25	4.0	38.9	–	–	–
Stock handlers and baggers	8.22	1.8	29.5	9.65	1.5	39.6	6.12	1.6	21.4
Machine feeders and offbearers	9.16	2.8	38.7	9.20	2.9	39.8	8.12	8.9	21.6
Freight, stock, and material handlers, n.e.c.	10.47	2.6	34.4	10.82	3.0	39.8	8.88	1.8	21.4
Garage and service station related	8.42	11.2	32.2	9.17	11.4	38.9	6.17	8.1	21.2
Vehicle washers and equipment cleaners	8.41	4.1	37.0	8.57	4.5	40.1	6.80	6.8	21.1
Hand packers and packagers	8.17	1.8	37.6	8.33	1.9	39.8	6.44	2.7	23.5
Laborers, except construction, n.e.c.	8.77	1.6	37.0	9.02	1.6	39.8	6.74	2.7	23.4
Service									
Protective service	8.29	2.0	34.8	8.50	2.1	39.5	7.37	3.0	23.0
Supervisors, guards	12.59	7.9	37.0	13.16	6.0	39.7	–	–	–
Fire inspection and fire prevention	12.82	17.2	40.0	12.82	17.2	40.0	–	–	–
Police and detectives, public service	15.74	11.7	18.8	–	–	–	–	–	–
Guards and police, except public service	8.00	2.3	35.1	8.13	2.6	39.5	7.44	3.3	23.8
Protective service, n.e.c.	8.38	9.1	25.3	10.03	12.9	39.1	6.09	3.1	17.0
Food service	6.32	.7	30.3	6.89	.9	38.6	5.22	.6	21.4
Supervisors, food preparation and service	10.70	2.1	38.5	11.01	2.2	40.9	7.34	3.4	23.5
Bartenders	5.98	3.4	29.3	6.53	3.8	37.7	5.17	4.9	22.1
Waiters and waitresses	4.03	4.5	29.2	4.29	4.6	38.0	3.58	2.3	20.8
Cooks	8.13	1.1	34.2	8.43	1.1	38.7	6.98	2.1	23.9
Food counter, fountain, and related	5.85	1.2	25.6	6.28	2.5	37.2	5.51	1.3	20.5
Kitchen workers, food preparation	7.34	1.4	30.6	7.91	1.8	38.8	6.35	1.5	22.4
Waiters'/Waitresses' assistants	5.37	2.6	27.4	5.78	3.6	38.0	4.86	2.7	20.5

See footnotes at end of table.

Table 2-2. Private Industry, selected occupations: Mean hourly earnings¹ for full-time and part-time workers,² National Compensation Survey,³ 1997–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									
Food preparation, n.e.c.	\$6.29	1.0	30.3	\$6.62	2.7	38.9	\$5.65	1.0	21.4
Health service	8.06	.7	33.1	8.12	.8	38.6	7.82	1.2	20.7
Dental assistants	10.51	4.8	32.3	10.44	5.2	39.9	11.29	8.2	10.2
Health aides, except nursing	9.06	1.3	32.4	9.21	1.4	38.8	8.36	3.0	18.4
Nursing aides, orderlies and attendants	7.81	.7	33.2	7.84	.8	38.5	7.70	1.2	21.3
Cleaning and building service	7.98	1.2	34.0	8.34	1.3	39.3	6.46	1.2	21.5
Supervisors, cleaning and building service workers	9.65	8.1	39.5	9.72	8.6	40.1	7.64	4.0	27.0
Maids and housemen	7.04	2.0	34.7	7.11	2.1	38.6	6.62	2.3	20.9
Janitors and cleaners	8.00	1.6	32.9	8.50	1.8	39.4	6.40	1.4	21.5
Personal service	8.65	1.7	30.2	9.51	2.3	37.6	6.27	3.2	19.5
Supervisors, personal service	–	–	–	–	–	–	7.96	13.1	19.2
Hairdressers and cosmetologists	–	–	–	–	–	–	7.45	9.4	24.5
Attendants, amusement, and recreation facilities	6.07	4.3	31.5	6.34	4.1	39.5	5.35	3.5	20.3
Guides	7.97	6.6	27.2	8.52	6.1	39.9	7.25	10.6	19.1
Ushers	5.96	3.1	18.9	–	–	–	5.88	4.1	15.2
Public transportation attendants	22.62	8.4	22.1	23.86	7.1	22.4	9.78	19.4	19.7
Baggage porters and bellhops	6.90	6.4	35.6	6.38	6.2	39.5	9.48	15.6	23.9
Welfare service aides	6.70	7.1	26.5	7.69	4.4	38.9	5.74	7.8	20.3
Early childhood teachers' assistants	6.70	3.0	25.9	7.06	4.3	38.4	6.23	3.2	18.3
Child care workers, n.e.c.	7.72	2.3	28.6	8.23	2.9	39.6	6.78	2.9	19.0
Service, n.e.c.	6.91	8.2	31.9	6.91	10.2	39.2	6.91	6.1	18.9

¹ Earnings are the straight-time hourly wages or salaries paid to employees. They include incentive pay, cost-of-living adjustments, and hazard pay. Excluded are premium pay for overtime, vacations, 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 All workers include 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 the 48 contiguous States. Collection was conducted between

October 1996 and July 1998. The average reference period was August 1997.

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 1997

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	\$17.82	0.7	36.5	\$18.20	0.8	38.9	\$12.27	1.4	19.2
All excluding sales	17.84	.7	36.5	18.22	.8	39.0	12.31	1.4	19.2
White collar	20.08	.8	36.4	20.39	.8	38.5	14.92	1.6	18.8
White collar excluding sales	20.13	.8	36.4	20.43	.8	38.5	15.03	1.6	18.8
Professional specialty and technical	23.84	.8	35.9	24.11	.8	38.1	19.05	1.8	17.6
Professional specialty	24.97	.8	35.7	25.24	.8	37.9	19.97	1.7	16.8
Engineers, architects, and surveyors	24.50	2.1	39.8	24.52	2.1	39.8	—	—	—
Architects	25.49	4.9	39.1	25.51	4.9	39.1	—	—	—
Civil engineers	25.18	2.4	39.3	25.22	2.4	39.3	—	—	—
Electrical and electronic engineers	25.29	4.7	40.0	25.29	4.7	40.0	—	—	—
Industrial engineers	19.15	6.2	39.7	19.15	6.2	39.7	—	—	—
Mechanical engineers	24.95	7.1	37.0	24.95	7.1	37.0	—	—	—
Engineers, n.e.c.	24.30	6.0	41.3	24.30	6.0	41.3	—	—	—
Surveyors and mapping scientists	18.89	7.2	38.6	19.06	7.3	39.3	—	—	—
Mathematical and computer scientists	20.85	2.7	39.6	20.88	2.7	39.9	—	—	—
Computer systems analysts and scientists	20.91	2.7	39.6	20.95	2.7	39.9	—	—	—
Operations and systems researchers and analysts	21.44	16.9	38.8	21.53	17.1	39.1	—	—	—
Natural scientists	19.62	3.5	40.7	19.73	3.9	41.0	16.35	5.6	33.1
Chemists, except biochemists	24.18	5.3	43.6	24.18	5.3	43.6	—	—	—
Geologists and geodesists	17.12	13.2	43.2	17.67	16.9	43.9	—	—	—
Physical scientists, n.e.c.	19.93	5.6	39.8	19.93	5.6	39.8	—	—	—
Agricultural and food scientists	18.26	4.5	40.0	18.26	4.5	40.0	—	—	—
Biological and life scientists	18.70	8.6	40.5	18.74	8.7	40.6	—	—	—
Forestry and conservation scientists	17.88	11.8	39.9	17.88	11.8	39.9	—	—	—
Medical scientists	19.13	7.1	39.0	19.13	7.4	40.0	—	—	—
Health related	21.29	1.9	37.2	21.19	2.1	39.8	22.09	3.0	23.9
Physicians	28.15	12.3	43.9	27.54	12.8	45.7	46.77	9.5	19.8
Registered nurses	20.17	1.1	36.4	19.97	1.2	39.2	21.78	2.0	23.3
Pharmacists	24.02	5.1	38.2	25.08	4.5	39.9	—	—	—
Dietitians	15.68	4.0	38.1	15.60	4.1	39.6	—	—	—
Respiratory therapists	17.16	2.8	33.9	17.68	2.6	39.1	14.92	2.1	21.5
Occupational therapists	22.84	6.4	36.6	22.69	6.3	38.4	24.28	28.5	25.3
Physical therapists	23.06	5.7	36.3	24.39	6.2	39.2	20.56	2.8	31.8
Speech therapists	23.40	8.7	35.5	23.35	9.2	37.2	24.15	12.7	19.7
Therapists, n.e.c.	16.64	7.0	37.9	16.27	7.1	39.4	20.38	11.8	27.4
Physicians' assistants	18.26	21.2	29.3	—	—	—	—	—	—
Teachers, college and university	32.06	2.0	33.8	32.54	2.1	39.6	26.99	4.8	13.2
Earth, environmental, and marine science teachers	33.13	14.2	36.8	33.05	14.6	38.6	—	—	—
Biological science teachers	31.95	11.6	39.0	32.23	12.3	43.1	27.52	12.6	15.9
Chemistry teachers	32.93	8.7	41.6	33.20	8.8	43.6	—	—	—
Physics teachers	33.10	14.8	38.5	33.10	14.8	38.5	—	—	—
Natural science teachers, n.e.c.	40.49	5.8	37.7	42.05	5.2	39.4	—	—	—
Psychology teachers	28.30	8.7	36.2	28.48	8.8	39.5	—	—	—
History teachers	34.61	7.5	34.7	35.10	7.9	39.5	—	—	—
Political science teachers	31.51	10.4	37.8	31.54	10.5	40.1	—	—	—
Sociology teachers	32.26	11.9	37.1	32.48	11.9	39.4	—	—	—
Social science teachers, n.e.c.	31.69	7.6	38.6	31.75	7.8	39.4	—	—	—
Engineering teachers	33.32	12.2	42.9	34.39	12.8	47.8	19.33	25.3	18.4
Mathematical science teachers	31.80	5.0	31.3	32.47	5.5	39.3	25.37	10.1	10.7
Computer science teachers	26.45	12.2	30.0	30.48	10.7	39.4	21.35	6.4	23.1
Medical science teachers	37.50	5.8	35.9	34.66	6.9	44.7	50.99	16.1	18.6
Health specialties teachers	31.10	4.6	33.0	31.70	4.9	38.4	22.57	8.4	11.0
Business, commerce, and marketing teachers ..	31.66	9.1	36.3	31.83	9.4	40.1	25.24	16.6	8.0
Agriculture and forestry teachers	41.94	24.8	35.2	41.94	24.8	35.2	—	—	—
Art, drama, and music teachers	29.31	4.3	34.7	29.97	4.4	39.3	21.62	9.0	14.7
Physical education teachers	25.77	22.0	29.6	26.55	25.2	38.3	20.42	29.3	11.7
Education teachers	33.10	7.4	37.6	34.18	6.8	41.2	—	—	—
English teachers	33.29	4.8	33.7	33.63	5.0	37.9	27.80	6.7	11.9
Foreign language teachers	20.06	16.7	33.3	19.60	19.0	44.8	21.88	34.0	16.7
Trade and industrial teachers	25.84	1.7	34.2	26.40	2.0	37.6	19.04	7.6	16.3
Teachers, post secondary, subject not specified	31.76	9.2	32.1	32.61	9.7	37.7	20.28	9.2	10.7

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 1997—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									
Teachers, post secondary, n.e.c.	\$30.56	3.3	31.0	\$30.95	3.6	38.1	\$26.87	6.4	11.3
Teachers, except college and university	26.49	1.0	34.8	26.87	1.0	36.7	16.90	3.5	14.9
Prekindergarten and kindergarten	24.25	4.1	35.0	24.18	4.2	36.9	26.21	4.9	13.8
Elementary school teachers	26.71	1.1	36.3	26.75	1.1	36.8	23.22	8.6	17.5
Secondary school teachers	26.93	1.6	36.8	26.91	1.7	37.2	28.22	6.8	21.7
Teachers, special education	27.88	2.2	35.9	27.99	2.2	36.2	22.72	15.6	24.7
Teachers, n.e.c.	27.89	2.6	31.5	28.80	2.6	35.7	18.84	8.2	14.5
Substitute teachers	10.15	4.1	14.7	10.21	7.6	31.6	10.14	4.7	13.0
Vocational and educational counselors	25.40	4.2	36.7	25.58	4.4	37.6	20.72	13.7	22.1
Librarians, archivists, and curators	20.29	4.1	36.9	20.62	4.4	38.5	15.85	3.7	24.1
Librarians	20.97	4.5	36.8	21.37	4.8	38.4	15.96	3.7	24.3
Archivists and curators	14.76	6.7	38.2	14.80	6.9	39.2	—	—	—
Social scientists and urban planners	22.40	5.0	38.3	22.40	5.1	38.7	22.30	6.3	20.9
Economists	20.10	5.0	40.0	20.10	5.0	40.0	—	—	—
Psychologists	26.59	5.1	37.4	26.67	5.2	38.1	22.66	6.8	20.9
Social scientists, n.e.c.	11.29	10.2	39.9	11.29	10.2	39.9	—	—	—
Urban planners	20.76	4.5	39.5	20.78	4.5	39.6	—	—	—
Social, recreation, and religious workers	16.12	1.8	37.9	16.16	1.8	39.2	14.82	5.7	19.7
Social workers	16.26	1.9	38.5	16.26	1.9	39.2	16.08	8.1	22.3
Recreation workers	13.76	4.9	30.8	14.11	5.7	39.2	12.20	7.3	15.8
Lawyers and judges	29.67	3.8	36.1	29.83	4.0	39.3	27.31	8.7	15.9
Lawyers	28.27	3.9	36.3	28.31	4.1	39.2	27.60	9.2	17.0
Judges	41.56	7.5	34.2	42.62	6.8	39.9	24.83	32.8	10.5
Writers, authors, entertainers, athletes, and professionals, n.e.c.	20.33	3.6	33.7	20.65	5.8	39.5	18.24	6.4	17.2
Designers	15.01	8.5	39.9	15.01	8.5	39.9	—	—	—
Musicians and composers	13.43	7.7	15.7	—	—	—	—	—	—
Painters, sculptors, craft artists, and artist printmakers	17.45	11.3	39.6	17.45	11.3	39.6	—	—	—
Artists, performers, and related workers, n.e.c.	16.52	9.6	26.2	14.71	4.6	39.1	18.11	14.8	20.3
Editors and reporters	16.09	7.2	38.3	16.40	7.7	39.9	—	—	—
Public relations specialists	19.21	9.7	34.0	19.48	10.4	39.4	16.91	22.7	15.5
Athletes	22.90	19.1	27.2	26.70	13.3	40.0	11.93	13.4	14.1
Professional, n.e.c.	22.17	7.4	36.7	21.70	7.1	39.4	27.36	24.8	21.0
Technical	14.46	1.3	37.5	14.49	1.3	39.6	14.12	3.8	23.4
Clinical laboratory technologists and technicians	14.38	4.9	38.5	14.37	5.1	39.6	14.76	8.1	21.5
Health record technologists and technicians	12.59	8.1	32.5	11.52	8.7	39.9	15.05	8.9	22.8
Radiological technicians	15.47	4.9	33.7	14.92	3.9	39.9	17.77	14.7	20.4
Licensed practical nurses	12.51	2.6	37.3	12.42	2.8	39.6	13.52	5.6	22.1
Health technologists and technicians, n.e.c.	13.08	3.0	37.4	13.28	2.9	39.8	10.47	10.5	20.6
Electrical and electronic technicians	15.59	10.8	38.4	15.73	11.3	39.7	11.52	10.6	19.4
Engineering technicians, n.e.c.	15.98	3.8	38.6	15.75	4.2	39.2	—	—	—
Drafters	17.58	7.0	39.1	17.71	7.4	39.8	—	—	—
Surveying and mapping technicians	14.77	5.9	39.1	14.77	5.9	39.1	—	—	—
Biological technicians	12.25	6.2	34.5	12.77	6.0	40.0	—	—	—
Chemical technicians	17.62	4.3	38.1	17.97	3.6	40.0	—	—	—
Science technicians, n.e.c.	14.81	3.3	34.2	15.32	3.9	38.9	—	—	—
Broadcast equipment operators	16.74	13.1	38.5	16.76	13.2	39.2	—	—	—
Computer programmers	18.14	3.8	39.3	18.20	4.3	39.4	—	—	—
Legal assistants	13.94	7.1	39.3	14.17	6.5	39.6	—	—	—
Technical and related, n.e.c.	15.40	4.4	36.8	15.51	4.7	39.4	14.21	5.3	21.3
Executive, administrative, and managerial	23.95	1.9	38.6	23.99	1.9	39.5	20.96	7.0	14.8
Executives, administrators, and managers	27.64	1.8	38.5	27.71	1.8	39.6	22.81	10.5	12.7
Legislators	16.21	15.1	13.7	12.73	19.3	33.7	22.02	26.0	6.9
Chief executives and general administrators, public administration	36.72	8.3	40.5	36.72	8.3	40.5	—	—	—

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 1997–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									
Administrators and officials, public administration	\$24.83	2.6	38.9	\$24.85	2.6	39.7	\$23.36	20.2	15.0
Financial managers	33.40	4.1	39.6	33.40	4.1	39.6	–	–	–
Personnel and labor relations managers	30.37	5.7	40.1	30.37	5.7	40.1	–	–	–
Purchasing managers	24.01	13.4	39.6	24.01	13.4	39.6	–	–	–
Managers, marketing, advertising, and public relations	26.21	9.2	39.6	26.35	9.2	39.8	–	–	–
Administrators, education and related fields	31.67	2.1	39.1	31.67	2.1	39.4	31.58	11.8	20.4
Managers, medicine and health	26.09	7.7	39.6	26.09	7.7	39.6	–	–	–
Managers, food servicing and lodging establishments	16.61	9.6	38.9	16.59	9.9	39.2	–	–	–
Managers, properties and real estate	21.24	5.8	39.2	21.24	5.8	39.2	–	–	–
Managers, service organizations, n.e.c.	18.51	4.9	38.2	18.96	4.8	39.3	10.48	12.4	25.4
Managers and administrators, n.e.c.	27.23	4.4	39.4	27.24	4.4	40.0	–	–	–
Management related	18.51	2.0	38.8	18.52	2.0	39.3	18.06	6.0	19.9
Accountants and auditors	17.79	3.2	38.9	17.77	3.3	39.3	–	–	–
Other financial officers	22.05	6.4	38.4	22.07	6.4	38.6	–	–	–
Management analysts	19.62	6.2	39.2	19.44	6.0	39.6	–	–	–
Personnel, training, and labor relations specialists	17.71	2.9	39.1	17.70	2.9	39.5	18.55	10.7	26.2
Purchasing agents and buyers, n.e.c.	14.74	9.7	39.9	14.74	9.7	39.9	–	–	–
Construction inspectors	19.01	4.5	38.9	18.98	4.6	39.6	–	–	–
Inspectors and compliance officers, except construction	17.40	4.1	38.5	17.42	4.1	38.9	–	–	–
Management related, n.e.c.	19.78	2.7	38.5	19.88	2.7	39.2	14.63	8.4	19.5
Sales	11.13	4.7	33.1	11.73	5.4	38.2	7.87	5.9	19.2
Supervisors, sales	13.99	6.2	36.6	14.42	6.3	39.8	–	–	–
Real estate sales	18.25	14.8	38.2	18.25	14.8	38.2	–	–	–
Sales workers, other commodities	8.35	14.2	31.1	8.83	16.7	39.1	–	–	–
Cashiers	10.00	5.6	32.1	10.50	6.4	37.5	7.97	6.5	20.2
Administrative support, including clerical	11.50	.9	36.3	11.66	.9	38.8	9.64	2.4	21.0
Supervisors, general office	15.55	2.4	39.3	15.55	2.4	39.4	–	–	–
Supervisors, computer equipment operators	21.91	3.1	39.0	21.91	3.1	39.0	–	–	–
Supervisors, financial records processing	15.72	5.1	38.4	15.72	5.1	38.4	–	–	–
Chief communications operators	15.04	8.8	40.4	15.04	8.8	40.4	–	–	–
Supervisors, distribution, scheduling, and adjusting clerks	15.94	8.9	38.6	15.94	8.9	38.6	–	–	–
Computer operators	12.13	5.7	38.6	12.19	5.8	39.4	–	–	–
Secretaries	12.09	1.6	38.3	12.15	1.6	39.1	9.95	4.9	22.5
Stenographers	15.87	6.5	35.9	15.91	6.8	38.4	–	–	–
Typists	11.02	2.4	37.5	11.08	2.4	38.9	9.42	5.1	19.7
Interviewers	10.21	5.3	38.0	10.11	5.7	39.7	–	–	–
Receptionists	9.44	4.3	34.8	9.63	4.7	39.3	7.92	8.0	18.6
Information clerks, n.e.c.	11.75	5.7	36.1	11.69	6.3	39.2	12.36	11.0	20.5
Order clerks	14.65	7.7	38.4	14.96	7.9	40.0	–	–	–
Personnel clerks, except payroll and timekeeping	12.82	4.7	36.1	13.22	4.9	39.3	–	–	–
Library clerks	9.68	2.1	29.5	10.06	2.8	38.0	8.75	3.1	19.0
File clerks	9.49	5.6	36.0	9.66	6.3	39.3	8.00	5.8	21.2
Records clerks, n.e.c.	10.90	2.5	37.8	10.89	2.6	39.3	11.06	8.8	21.9
Bookkeepers, accounting and auditing clerks	11.75	1.7	38.2	11.78	1.7	39.1	10.17	8.1	18.5
Payroll and timekeeping clerks	12.99	4.6	38.2	12.99	4.6	39.1	–	–	–
Billing clerks	10.67	7.0	36.2	10.63	7.4	39.9	–	–	–
Duplicating machine operators	8.20	10.0	39.0	8.10	9.8	39.9	–	–	–
Telephone operators	10.25	8.1	37.6	10.32	8.4	39.2	–	–	–
Communications equipment operators, n.e.c.	10.65	5.9	36.7	–	–	–	–	–	–

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 1997–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									
Mail clerks, except postal service	\$8.40	7.9	39.3	\$8.39	8.0	39.7	–	–	–
Messengers	9.73	19.0	33.6	10.02	19.4	37.6	–	–	–
Dispatchers	12.70	4.8	38.4	12.89	4.9	40.0	\$8.65	9.1	20.9
Production coordinators	16.48	9.5	39.6	16.48	9.5	39.6	–	–	–
Traffic, shipping and receiving clerks	13.30	3.9	38.9	13.30	3.9	38.9	–	–	–
Stock and inventory clerks	11.13	3.8	38.5	11.26	4.0	39.5	8.56	11.5	25.7
Meter readers	13.27	5.4	39.1	13.35	5.5	40.0	–	–	–
Material recording, scheduling, and distribution clerks, n.e.c.	13.35	7.7	39.1	13.50	7.8	40.0	–	–	–
Insurance adjusters, examiners, and investigators	13.61	7.3	40.0	13.61	7.3	40.0	–	–	–
Investigators and adjusters, except insurance ...	13.93	6.6	38.2	14.22	6.6	40.0	–	–	–
Eligibility clerks, social welfare	13.07	2.0	38.5	13.13	2.0	38.8	–	–	–
Bill and account collectors	12.45	4.2	39.9	12.45	4.2	39.9	–	–	–
General office clerks	10.98	1.4	37.0	11.14	1.4	39.2	8.85	5.8	21.7
Data entry keyers	10.95	3.0	38.9	10.96	3.0	39.3	–	–	–
Statistical clerks	9.53	2.7	38.6	9.57	2.7	39.8	–	–	–
Teachers' aides	9.15	1.8	30.6	8.85	1.6	35.6	10.05	4.1	21.6
Administrative support, n.e.c.	12.24	2.8	36.7	12.43	3.0	39.1	9.62	5.0	19.7
Blue collar	13.78	1.2	37.3	14.01	1.3	39.4	10.34	2.0	20.6
Precision production, craft, and repair	15.71	1.6	39.6	15.73	1.6	39.8	11.76	12.4	16.1
Supervisors, mechanics and repairers	19.62	4.1	39.9	19.62	4.1	39.9	–	–	–
Automobile mechanics	17.02	8.1	39.7	17.02	8.1	39.7	–	–	–
Bus, truck, and stationary engine mechanics	15.68	4.7	39.8	15.68	4.7	39.8	–	–	–
Small engine repairs	12.21	6.0	40.0	12.21	6.0	40.0	–	–	–
Heavy equipment mechanics	15.69	6.0	40.0	15.69	6.0	40.0	–	–	–
Industrial machinery repairers	17.12	7.7	39.9	17.12	7.7	39.9	–	–	–
Machinery maintenance	11.74	10.5	36.6	11.74	10.5	36.6	–	–	–
Electronic repairers, communications and industrial equipment	16.28	6.3	37.1	16.45	6.3	39.7	–	–	–
Data processing equipment repairers	14.10	3.1	40.0	14.10	3.1	40.0	–	–	–
Heating, air conditioning, and refrigeration mechanics	14.80	4.5	39.4	14.78	4.5	39.9	–	–	–
Mechanical controls and valve repairers	15.81	5.9	37.8	16.14	5.7	39.7	–	–	–
Mechanics and repairers, n.e.c.	13.68	3.3	39.6	13.70	3.3	39.8	–	–	–
Supervisors, electricians and power transmission installers	20.68	19.4	40.0	20.68	19.4	40.0	–	–	–
Supervisors, plumbers, pipefitters, and steamfitters	22.19	14.6	40.0	22.19	14.6	40.0	–	–	–
Supervisors, construction trades, n.e.c.	16.08	7.1	39.9	16.08	7.1	39.9	–	–	–
Carpenters	16.49	5.7	39.4	16.50	5.7	39.5	–	–	–
Electricians	16.24	2.6	39.8	16.24	2.6	39.8	–	–	–
Electrical power installers and repairers	20.26	4.9	40.0	20.26	4.9	40.0	–	–	–
Painters, construction and maintenance	15.87	6.3	39.4	15.87	6.3	39.4	–	–	–
Plumbers, pipefitters and steamfitters	16.11	5.0	39.6	16.11	5.0	39.6	–	–	–
Plumber, pipefitter, and steamfitter apprentices	14.51	6.1	40.0	14.51	6.1	40.0	–	–	–
Concrete and terrazzo finishers	17.31	11.9	38.5	17.31	11.9	38.5	–	–	–
Paving, surfacing, and tamping equipment operators	12.71	2.7	40.0	12.71	2.7	40.0	–	–	–
Construction trades, n.e.c.	12.44	4.1	39.4	12.42	4.1	39.8	–	–	–
Supervisors, production	16.74	7.2	40.0	16.74	7.2	40.0	–	–	–
Machinists	19.64	8.8	40.0	19.64	8.8	40.0	–	–	–
Inspectors, testers, and graders	18.21	5.0	39.7	18.22	5.0	39.8	–	–	–
Water and sewer treatment plant operators	15.23	3.4	39.9	15.24	3.4	40.0	–	–	–
Power plant operators	20.35	9.5	39.3	20.35	9.5	39.3	–	–	–
Stationary engineers	17.22	4.9	39.4	17.22	4.9	39.4	–	–	–
Machine operators, assemblers, and inspectors	12.89	6.1	38.3	12.99	6.2	39.5	9.52	7.3	19.1

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 1997—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									
Printing press operators	\$11.65	4.2	38.5	\$11.69	4.3	39.9	—	—	—
Laundering and dry cleaning machine operators	8.77	6.1	37.2	8.70	6.4	39.4	—	—	—
Furnace, kiln, and oven operators, except food	14.76	3.6	39.1	14.76	3.6	39.1	—	—	—
Miscellaneous machine operators, n.e.c.	14.28	14.2	38.3	14.31	14.3	39.0	—	—	—
Welders and cutters	16.89	7.8	40.0	16.89	7.8	40.0	—	—	—
Transportation and material moving	12.93	1.7	33.6	13.27	2.0	38.5	\$11.14	2.3	20.1
Supervisors, motor vehicle operators	13.79	12.9	39.8	13.79	12.9	39.8	—	—	—
Truck drivers	12.59	3.5	39.1	12.66	3.5	39.9	9.82	14.2	21.3
Bus drivers	12.99	1.8	28.2	13.97	2.7	36.0	11.15	2.4	20.0
Taxicab drivers and chauffeurs	9.07	25.8	31.0	6.17	7.0	39.2	—	—	—
Motor transportation, n.e.c.	13.21	5.6	39.0	13.30	5.6	39.5	—	—	—
Locomotive operating	19.27	4.0	40.0	19.27	4.0	40.0	—	—	—
Supervisors, material moving equipment	14.47	10.9	39.3	14.47	10.9	39.3	—	—	—
Operating engineers	12.92	7.7	40.0	12.92	7.7	40.0	—	—	—
Excavating and loading machine operators	12.60	9.3	39.8	12.60	9.3	39.8	—	—	—
Grader, dozer, and scrapper operators	12.04	8.6	39.9	12.04	8.6	39.9	—	—	—
Industrial truck and tractor equipment operators	11.37	3.8	40.0	11.37	3.8	40.0	—	—	—
Miscellaneous material moving equipment operators, n.e.c.	12.90	4.8	38.4	12.96	4.8	39.3	—	—	—
Handlers, equipment cleaners, helpers, and laborers	11.37	2.1	38.3	11.60	2.2	39.8	7.68	3.7	23.5
Supervisors, agriculture-related workers	16.49	4.0	39.8	16.55	4.0	40.1	—	—	—
Groundskeepers and gardeners, except farm ...	11.03	3.1	37.4	11.45	3.4	39.7	7.49	4.5	24.9
Animal caretakers, except farm	10.38	10.7	39.4	10.38	10.7	39.5	—	—	—
Supervisors, handlers, equipment cleaners, and laborers, n.e.c.	15.28	4.4	39.6	15.28	4.4	39.6	—	—	—
Helpers, mechanics and repairers	12.05	9.3	38.0	12.16	9.6	39.5	—	—	—
Helpers, construction trades	11.25	7.8	40.0	11.26	7.8	40.0	—	—	—
Construction laborers	10.70	4.4	39.2	10.85	4.5	39.9	7.58	2.1	29.0
Production helpers	9.42	8.6	26.6	9.53	15.9	40.0	—	—	—
Garbage collectors	13.46	12.4	39.4	13.60	12.2	39.6	—	—	—
Stock handlers and baggers	10.91	5.2	38.6	11.02	5.2	39.9	—	—	—
Freight, stock, and material handlers, n.e.c.	10.69	11.5	40.0	10.69	11.5	40.0	—	—	—
Garage and service station related	12.31	8.3	34.7	11.55	6.3	39.1	—	—	—
Vehicle washers and equipment cleaners	11.40	8.8	39.7	11.40	8.8	39.7	—	—	—
Laborers, except construction, n.e.c.	10.35	2.7	38.1	10.56	2.8	40.0	7.05	6.8	21.4
Service	13.26	1.3	36.6	13.76	1.4	40.1	8.25	1.4	19.4
Protective service	16.53	1.9	39.7	16.76	1.9	41.3	9.21	5.2	17.4
Supervisors, firefighters and fire prevention	19.50	3.4	49.0	19.50	3.4	49.1	—	—	—
Supervisors, police and detectives	23.01	3.0	40.2	23.01	3.0	40.2	—	—	—
Supervisors, guards	18.74	10.4	37.7	19.33	10.0	39.1	—	—	—
Fire inspection and fire prevention	18.58	4.7	36.7	18.91	4.7	41.5	—	—	—
Firefighting	14.28	2.6	44.4	14.51	2.4	48.6	6.47	14.7	11.1
Police and detectives, public service	18.71	1.5	39.6	18.79	1.5	40.0	10.59	22.1	20.9
Sheriffs, bailiffs, and other law enforcement officers	15.40	2.5	38.8	15.53	2.5	39.8	11.77	8.8	22.3
Correctional institution officers	13.96	4.0	39.8	13.97	4.1	39.9	—	—	—
Crossing guards	8.49	4.4	16.9	—	—	—	8.23	4.4	16.6
Guards and police, except public service	11.97	3.3	34.1	12.34	3.4	38.6	9.75	8.2	19.8
Protective service, n.e.c.	12.45	4.8	32.1	13.34	5.3	39.7	9.29	8.7	19.1
Food service	8.74	1.4	29.5	9.11	2.0	36.5	7.86	1.8	20.2
Supervisors, food preparation and service	11.48	3.0	37.4	11.54	3.0	38.1	—	—	—
Cooks	9.14	2.8	32.4	9.43	3.1	36.0	8.16	4.2	24.1
Food counter, fountain, and related	7.70	5.0	25.5	7.84	7.1	37.2	7.47	4.3	17.1
Kitchen workers, food preparation	7.85	2.7	29.6	7.89	3.6	37.4	7.76	4.5	20.4
Waiters'/Waitresses' assistants	9.65	10.7	22.5	—	—	—	—	—	—

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 1997–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									
Food preparation, n.e.c.	\$8.24	1.7	27.2	\$8.49	2.4	35.6	\$7.84	2.8	19.7
Health service	10.18	1.8	36.8	10.27	2.0	39.4	9.08	2.3	20.6
Dental assistants	9.44	8.0	36.5	9.47	8.5	40.0	–	–	–
Health aides, except nursing	10.79	2.9	37.2	10.85	3.1	39.4	10.09	3.5	22.9
Nursing aides, orderlies and attendants	9.93	2.4	36.6	10.04	2.6	39.5	8.64	5.0	19.8
Cleaning and building service	10.41	1.3	38.2	10.51	1.3	39.6	8.12	3.6	21.5
Supervisors, cleaning and building service workers	14.69	3.9	39.6	14.72	5.0	39.8	–	–	–
Maids and housemen	7.67	6.5	37.9	7.57	6.6	39.7	10.06	9.6	17.3
Janitors and cleaners	10.10	1.3	38.1	10.20	1.4	39.6	8.11	3.8	21.6
Pest control	10.21	18.8	36.2	11.12	15.5	40.0	–	–	–
Personal service	9.11	2.0	28.1	9.73	2.8	37.5	7.93	2.2	19.1
Supervisors, personal service	14.67	6.1	35.3	15.00	5.9	39.0	–	–	–
Attendants, amusement, and recreation facilities	7.14	3.4	25.1	7.84	7.2	40.0	6.75	2.8	20.7
Guides	12.49	27.4	24.3	–	–	–	6.87	3.0	17.6
Public transportation attendants	14.53	10.1	35.3	16.29	6.9	39.8	9.27	6.6	26.4
Welfare service aides	9.07	5.9	33.4	9.13	6.8	38.4	8.68	9.4	17.8
Early childhood teachers' assistants	8.33	2.5	30.9	8.51	2.7	36.6	7.78	4.1	21.0
Child care workers, n.e.c.	9.21	3.8	23.3	9.85	8.0	36.6	8.72	3.6	18.2
Service, n.e.c.	10.14	3.2	27.9	10.89	3.0	38.1	7.87	3.8	15.4

¹ Earnings are the straight-time hourly wages or salaries paid to employees. They include incentive pay, cost-of-living adjustments, and hazard pay. Excluded are premium pay for overtime, vacations, 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 All workers include 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 the 48 contiguous States. Collection was conducted between

October 1996 and July 1998. The average reference period was August 1997.

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 3-1. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1997

Occupational group 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	\$15.09	0.6	36.5	\$14.39	0.7	36.4	\$17.82	0.7	36.5
All excluding sales	15.26	.6	36.7	14.54	.7	36.8	17.84	.7	36.5
White collar	18.59	.6	36.7	18.08	.8	36.8	20.08	.8	36.4
1	6.52	.8	27.0	6.47	.8	26.9	7.03	2.6	27.8
2	8.08	1.0	31.6	8.04	1.1	31.5	8.29	1.2	32.4
3	8.89	1.2	34.1	8.76	1.4	34.0	9.60	1.3	34.6
4	10.88	.7	36.9	10.86	.8	36.9	10.96	1.0	36.9
5	13.08	.6	37.4	13.17	.6	37.9	12.80	1.0	35.6
6	14.90	.7	37.9	14.87	.6	38.4	14.98	2.0	36.6
7	17.92	.7	37.8	17.47	.7	38.0	18.90	1.2	37.2
8	20.24	.7	37.4	19.20	.7	37.8	22.11	1.6	36.9
9	23.93	.6	37.3	22.48	.6	38.1	26.14	1.2	36.2
10	25.81	1.2	38.8	26.21	1.1	39.3	24.73	2.7	37.5
11	29.55	.8	39.3	30.23	.8	39.6	27.37	1.5	38.3
12	35.28	1.0	39.9	35.73	1.1	40.5	33.15	2.1	37.5
13	43.74	2.1	39.8	46.43	1.7	39.8	36.55	3.9	39.6
14	53.73	1.9	40.7	55.56	1.9	40.8	43.89	5.0	40.3
15	63.42	6.3	41.1	73.83	5.1	41.1	46.81	9.1	41.0
Not able to be leveled	25.81	3.2	35.7	26.95	4.1	36.3	23.01	3.7	34.2
White collar excluding sales	19.43	.6	37.3	19.15	.7	37.6	20.13	.8	36.4
1	6.97	1.6	29.4	6.94	1.9	29.6	7.08	2.8	28.2
2	8.44	1.1	33.9	8.49	1.3	34.3	8.29	1.2	32.5
3	9.32	.7	35.5	9.24	.7	35.7	9.58	1.3	34.7
4	11.03	.7	37.5	11.05	.8	37.6	10.95	1.0	36.9
5	12.99	.5	37.2	13.06	.6	37.8	12.80	1.0	35.6
6	14.75	.7	37.7	14.66	.6	38.1	14.98	2.0	36.6
7	17.81	.6	37.6	17.26	.6	37.8	18.91	1.3	37.2
8	20.15	.8	37.2	18.89	.6	37.4	22.11	1.6	36.9
9	23.84	.6	37.2	22.26	.6	37.9	26.14	1.2	36.2
10	25.65	1.2	38.7	26.01	1.1	39.2	24.74	2.7	37.5
11	29.12	.7	39.1	29.72	.7	39.4	27.38	1.5	38.3
12	34.88	.8	39.9	35.25	.9	40.5	33.15	2.1	37.5
13	43.23	1.8	39.8	45.76	1.2	39.8	36.55	3.9	39.6
14	53.55	1.9	40.7	55.36	1.9	40.8	43.89	5.0	40.3
15	63.42	6.3	41.1	73.83	5.1	41.1	46.81	9.1	41.0
Not able to be leveled	26.04	3.3	35.7	27.35	4.2	36.3	23.01	3.7	34.2
Professional specialty and technical	22.89	.6	36.3	22.30	.7	36.6	23.84	.8	35.9
Professional specialty	24.70	.6	36.2	24.49	.7	36.6	24.97	.8	35.7
2	5.90	5.1	11.9	-	-	-	5.94	6.1	9.1
3	6.70	4.5	14.2	6.69	6.6	28.0	6.70	5.9	8.9
4	9.67	3.4	21.1	10.27	4.7	22.0	8.00	4.4	19.0
5	13.09	1.6	32.3	13.48	2.1	35.0	12.50	3.1	29.0
6	16.61	2.4	34.5	14.95	1.9	35.6	18.68	4.3	33.2
7	19.36	.9	35.8	18.02	.9	35.3	20.68	1.5	36.4
8	21.54	1.1	35.7	19.35	.9	34.9	23.52	1.7	36.4
9	24.76	.8	35.9	21.98	.7	36.2	27.22	1.2	35.6
10	25.14	1.3	37.7	25.29	1.1	38.3	24.86	3.0	36.3
11	28.32	.7	38.6	29.00	.8	39.0	26.46	1.8	37.3
12	34.53	1.1	38.9	34.86	1.0	39.9	33.26	3.3	35.5
13	41.24	2.3	39.2	44.46	2.2	39.0	35.72	3.3	39.6
14	49.15	3.1	39.8	51.25	2.7	39.2	42.97	7.7	41.7
15	50.44	6.3	41.0	58.40	5.3	41.0	46.67	9.2	41.0
Not able to be leveled	25.80	3.7	34.2	26.26	5.0	33.5	24.83	4.7	35.9
Engineers, architects, and surveyors	27.76	.8	40.3	28.09	.9	40.4	24.50	2.1	39.8
5	17.00	3.2	40.2	17.29	3.0	40.3	-	-	-
6	18.56	2.2	40.0	18.36	2.4	40.2	-	-	-
7	20.83	2.3	40.0	20.99	2.5	40.0	19.12	4.3	39.5
8	21.50	2.0	40.3	21.49	2.2	40.5	21.61	5.5	38.1
9	23.28	1.1	40.3	23.41	1.3	40.4	22.45	2.3	39.5
10	26.45	1.3	40.5	26.78	1.2	40.3	23.88	4.2	42.0
11	29.46	.9	40.4	29.65	.9	40.6	27.67	2.9	39.1
12	34.17	1.4	40.3	34.30	1.4	40.3	30.74	5.3	39.2

See footnotes at end of table.

Table 3-1. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1997—Continued

Occupational group 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	\$40.27	1.4	40.3	\$40.27	1.4	40.4	—	—	—
14	44.77	1.7	39.6	44.85	1.7	39.6	—	—	—
15	41.26	6.6	47.2	46.33	2.9	41.1	—	—	—
Not able to be leveled	28.74	3.9	39.4	28.93	4.2	39.4	—	—	—
Architects	23.93	6.6	39.9	23.29	9.3	40.2	\$25.49	4.9	39.1
8	19.03	6.4	40.0	—	—	—	—	—	—
9	23.03	5.6	39.4	21.78	7.6	39.8	24.17	6.2	39.1
10	26.23	6.1	35.9	26.74	6.1	35.7	—	—	—
11	29.63	4.2	38.9	29.92	4.4	38.8	—	—	—
12	30.54	10.3	41.8	—	—	—	—	—	—
Aerospace engineers	30.44	3.8	40.0	30.44	3.8	40.0	—	—	—
7	20.19	5.8	40.0	20.19	5.8	40.0	—	—	—
9	23.65	2.7	40.0	23.65	2.7	40.0	—	—	—
10	26.52	3.2	40.0	26.52	3.2	40.0	—	—	—
11	28.77	2.2	40.2	28.77	2.2	40.2	—	—	—
12	31.66	2.8	40.0	31.66	2.8	40.0	—	—	—
13	39.38	3.8	40.0	39.38	3.8	40.0	—	—	—
Metallurgical and materials engineers	26.51	4.8	40.2	28.19	3.4	40.4	—	—	—
9	28.02	9.6	40.0	28.02	9.6	40.0	—	—	—
10	24.38	3.6	40.0	26.95	5.4	40.0	—	—	—
11	29.85	3.0	41.0	29.85	3.0	41.0	—	—	—
Mining engineers	29.69	5.0	32.6	29.69	5.0	32.6	—	—	—
Petroleum engineers	35.44	6.4	40.8	38.24	6.4	40.9	—	—	—
11	30.45	9.4	42.7	30.45	9.4	42.7	—	—	—
12	44.19	8.7	40.5	44.19	8.7	40.5	—	—	—
13	44.79	6.8	41.0	44.79	6.8	41.0	—	—	—
Chemical engineers	30.65	2.9	39.9	30.66	2.9	39.9	—	—	—
7	23.13	6.7	40.0	23.13	6.7	40.0	—	—	—
8	22.35	5.0	40.0	22.35	5.0	40.0	—	—	—
9	25.37	2.1	39.4	25.37	2.1	39.4	—	—	—
11	31.96	2.6	40.3	31.96	2.6	40.3	—	—	—
12	37.47	5.0	39.9	37.47	5.0	39.9	—	—	—
13	38.14	2.0	38.9	38.14	2.0	38.9	—	—	—
Nuclear engineers	34.16	3.4	40.5	34.49	3.4	40.5	—	—	—
11	34.23	4.3	40.6	34.23	4.3	40.6	—	—	—
12	38.67	9.2	40.8	38.67	9.2	40.8	—	—	—
13	36.33	1.7	40.0	36.33	1.7	40.0	—	—	—
Civil engineers	26.17	2.0	40.1	26.97	3.0	40.9	25.18	2.4	39.3
5	16.33	4.7	40.1	16.09	5.5	40.9	—	—	—
6	18.90	4.6	39.2	17.46	4.4	40.5	—	—	—
7	19.43	3.2	39.8	18.47	5.7	40.4	20.24	3.7	39.4
8	20.72	4.8	40.7	19.49	5.8	41.3	22.70	6.7	39.6
9	22.49	2.7	40.1	22.27	4.3	40.9	22.67	3.4	39.5
10	26.78	2.9	40.0	26.46	4.1	40.4	26.96	3.9	39.8
11	27.81	1.9	40.2	26.80	1.9	41.2	28.94	3.2	39.0
12	32.92	5.1	40.7	33.86	5.9	41.4	30.43	9.2	39.0
13	40.25	2.9	40.4	40.35	3.4	40.6	—	—	—
14	43.05	3.4	40.0	43.05	3.4	40.0	—	—	—
Electrical and electronic engineers	29.24	1.1	40.3	29.38	1.2	40.3	25.29	4.7	40.0
5	18.44	4.0	39.5	18.44	4.0	39.5	—	—	—
6	17.99	5.7	40.6	17.99	5.7	40.6	—	—	—
7	22.49	2.9	40.1	22.30	2.7	40.1	—	—	—
8	24.18	4.7	40.2	23.94	4.9	40.2	—	—	—
9	25.19	1.7	40.3	25.19	1.7	40.3	—	—	—
10	27.83	2.1	40.7	27.93	2.1	40.7	—	—	—
11	29.95	2.0	40.4	30.45	1.5	40.4	—	—	—
12	34.70	1.8	40.2	34.72	1.8	40.2	—	—	—
13	42.14	3.3	40.6	42.14	3.3	40.6	—	—	—

See footnotes at end of table.

Table 3-1. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1997—Continued

Occupational group 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									
Electrical and electronic engineers—Continued									
14	\$48.56	4.7	38.1	\$48.56	4.7	38.1	—	—	—
Not able to be leveled	26.68	16.7	39.3	26.68	16.7	39.3	—	—	—
Industrial engineers	24.49	3.4	40.5	24.54	3.4	40.6	\$19.15	6.2	39.7
5	15.41	5.1	40.0	15.41	5.1	40.0	—	—	—
6	17.47	6.0	40.1	17.47	6.0	40.1	—	—	—
7	18.63	3.7	39.8	18.63	3.7	39.8	—	—	—
8	20.05	4.7	40.7	20.05	4.7	40.7	—	—	—
9	21.66	1.9	40.4	21.71	2.0	40.4	19.25	6.8	39.7
10	25.18	3.3	41.2	25.27	3.3	41.2	—	—	—
11	27.24	2.4	40.5	27.25	2.5	40.5	—	—	—
12	33.07	6.6	40.9	33.07	6.6	40.9	—	—	—
13	41.32	5.9	40.6	41.32	5.9	40.6	—	—	—
Not able to be leveled	23.21	15.0	41.7	23.21	15.0	41.7	—	—	—
Mechanical engineers	25.37	2.2	40.2	25.38	2.3	40.3	24.95	7.1	37.0
5	16.94	4.6	40.0	16.94	4.6	40.0	—	—	—
6	16.99	6.5	40.2	16.99	6.5	40.2	—	—	—
7	19.08	2.0	39.2	19.08	2.0	39.2	—	—	—
8	21.03	2.6	39.4	20.93	3.2	40.5	—	—	—
9	22.76	2.3	40.4	22.69	2.4	40.6	—	—	—
10	24.43	3.0	39.4	24.25	3.0	39.5	—	—	—
11	28.15	2.1	40.8	28.17	2.1	40.8	—	—	—
12	31.08	2.8	40.4	31.04	2.9	40.4	—	—	—
13	36.24	5.1	40.1	36.24	5.1	40.1	—	—	—
Engineers, n.e.c.	29.00	1.1	40.4	29.42	1.1	40.3	24.30	6.0	41.3
5	17.71	6.0	40.2	18.88	3.6	40.2	—	—	—
6	19.90	2.0	40.0	19.90	2.0	40.0	—	—	—
7	21.77	3.7	40.5	21.95	3.7	40.5	—	—	—
8	22.32	3.1	40.4	22.69	3.1	40.4	—	—	—
9	23.97	1.7	40.4	24.33	1.8	40.6	21.95	2.6	39.8
10	27.00	2.3	41.0	27.52	1.8	40.4	—	—	—
11	30.01	1.5	40.3	30.21	1.6	40.5	27.93	1.6	38.5
12	35.18	1.7	40.0	35.28	1.8	40.0	—	—	—
13	39.80	2.9	40.2	39.80	2.9	40.2	—	—	—
14	43.35	2.5	40.0	43.35	2.5	40.0	—	—	—
15	40.13	6.7	48.1	—	—	—	—	—	—
Not able to be leveled	29.99	3.1	39.7	30.15	3.2	39.7	—	—	—
Surveyors and mapping scientists	19.65	7.9	39.3	20.49	14.8	40.0	18.89	7.2	38.6
Mathematical and computer scientists	26.96	1.5	39.9	27.56	1.5	39.9	20.85	2.7	39.6
5	16.17	2.8	40.1	16.46	2.8	40.1	—	—	—
6	17.21	3.0	39.6	17.72	3.0	39.6	15.26	2.0	39.4
7	19.28	2.1	39.9	19.71	2.3	39.9	17.60	2.6	39.9
8	21.07	2.4	40.0	21.31	2.5	40.3	18.87	4.3	37.6
9	24.12	1.6	39.8	24.48	1.7	39.8	20.98	2.1	39.7
10	26.01	1.6	40.2	26.20	1.4	40.4	24.76	9.3	39.1
11	29.20	1.8	40.0	29.57	1.8	39.9	23.72	5.0	40.4
12	33.76	2.1	39.7	33.83	2.1	39.7	30.99	3.3	40.0
13	38.82	5.6	40.4	38.82	5.6	40.4	—	—	—
14	47.58	5.3	39.7	47.58	5.3	39.7	—	—	—
Not able to be leveled	28.84	7.7	39.5	28.92	7.8	39.5	—	—	—
Computer systems analysts and scientists	26.79	1.2	40.0	27.46	1.3	40.0	20.91	2.7	39.6
5	16.98	2.2	40.2	17.23	2.1	40.3	—	—	—
6	16.91	3.4	39.7	17.52	3.7	39.9	15.26	2.0	39.4
7	19.31	2.2	40.0	19.82	2.4	40.0	17.66	2.6	40.0
8	21.30	2.7	39.9	21.62	3.0	40.2	18.91	4.3	37.6
9	23.70	1.2	40.0	24.04	1.3	40.1	21.15	1.9	39.8
10	26.06	1.7	40.2	26.29	1.5	40.4	24.68	9.6	39.0
11	28.80	1.4	40.0	29.22	1.4	39.9	23.72	5.0	40.4

See footnotes at end of table.

Table 3-1. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1997—Continued

Occupational group 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									
Computer systems analysts and scientists—Continued									
12	\$33.82	2.3	39.7	\$33.90	2.3	39.7	\$30.43	2.9	40.0
13	37.91	4.4	40.5	37.91	4.4	40.5	—	—	—
14	45.63	4.8	39.7	45.63	4.8	39.7	—	—	—
Not able to be leveled	29.95	10.8	39.4	29.95	10.8	39.4	—	—	—
Operations and systems researchers and analysts									
5	28.15	6.4	39.6	28.27	6.4	39.6	21.44	16.9	38.8
6	13.90	6.7	39.9	14.03	7.5	39.8	—	—	—
7	18.19	5.3	39.1	18.19	5.3	39.1	—	—	—
8	19.55	7.6	39.6	19.57	7.7	39.7	—	—	—
9	19.72	4.3	40.5	19.72	4.3	40.5	—	—	—
10	27.02	8.6	38.5	27.19	8.8	38.5	—	—	—
11	25.26	4.3	40.3	25.13	4.4	40.3	—	—	—
12	31.19	6.0	39.9	31.19	6.0	39.9	—	—	—
13	33.17	4.4	40.1	33.06	4.5	40.2	—	—	—
Not able to be leveled	42.13	15.1	39.9	42.13	15.1	39.9	—	—	—
Actuaries	27.25	9.0	39.8	27.39	9.3	39.8	—	—	—
12	27.00	7.2	39.2	27.00	7.2	39.2	—	—	—
12	32.93	5.9	38.4	32.93	5.9	38.4	—	—	—
Statisticians	24.22	5.5	37.6	25.05	4.6	37.6	—	—	—
9	24.55	6.6	36.8	24.55	6.6	36.8	—	—	—
Mathematical scientists, n.e.c.	22.67	14.8	38.8	26.26	11.4	38.3	—	—	—
Natural scientists	24.31	2.1	40.0	26.66	2.5	39.7	19.62	3.5	40.7
5	14.03	4.2	40.3	14.56	5.1	40.8	13.57	6.7	39.8
6	14.38	5.7	37.8	14.45	6.7	37.4	—	—	—
7	18.47	3.2	39.6	18.18	3.5	39.6	—	—	—
8	17.88	4.5	39.8	20.01	5.7	40.2	16.11	6.5	39.4
9	20.55	2.9	39.6	20.19	4.2	40.2	20.99	3.2	38.9
10	22.40	4.4	40.3	24.95	3.4	40.1	18.92	8.1	40.7
11	26.30	3.7	40.4	28.48	2.2	40.0	21.05	9.6	41.5
12	32.94	3.2	39.6	33.71	3.1	39.7	24.78	14.4	39.0
13	34.25	6.7	40.5	39.10	3.6	39.0	—	—	—
14	36.41	12.8	44.6	43.65	4.6	39.3	—	—	—
15	49.44	7.5	40.6	49.44	7.5	40.6	—	—	—
Not able to be leveled	26.32	10.4	35.7	27.88	10.8	34.9	—	—	—
Physicists and astronomers	37.31	10.4	40.8	41.90	6.9	41.1	—	—	—
12	38.69	4.8	41.8	38.69	4.8	41.8	—	—	—
Chemists, except biochemists	27.44	3.7	40.4	27.95	4.1	39.9	24.18	5.3	43.6
5	14.02	7.3	42.5	14.02	7.3	42.5	—	—	—
6	15.41	4.5	40.0	15.41	4.5	40.0	—	—	—
7	18.14	4.9	37.1	18.19	5.1	37.0	—	—	—
8	20.20	4.6	40.0	20.24	4.7	40.0	—	—	—
9	22.42	3.3	39.9	21.29	3.9	39.9	24.59	2.5	40.0
10	24.81	5.5	40.2	26.09	4.1	40.2	—	—	—
11	29.75	2.7	40.2	29.85	2.8	40.2	—	—	—
12	34.85	3.9	41.0	34.85	3.9	41.0	—	—	—
13	35.33	10.5	44.9	41.28	2.8	39.7	—	—	—
14	47.23	5.5	39.4	47.23	5.5	39.4	—	—	—
Not able to be leveled	24.93	15.8	38.7	24.93	15.8	38.7	—	—	—
Atmospheric and space scientists	25.05	11.5	46.3	24.36	22.0	40.6	—	—	—
Geologists and geodesists	25.07	8.8	41.8	30.22	6.4	40.9	17.12	13.2	43.2
7	20.57	8.0	40.0	20.84	9.4	40.0	—	—	—
9	22.75	5.7	41.4	—	—	—	—	—	—
10	27.34	12.0	40.0	27.34	12.0	40.0	—	—	—
11	18.38	16.5	45.1	27.67	7.3	42.2	—	—	—
12	38.82	5.8	40.7	38.82	5.8	40.7	—	—	—
13	44.09	9.7	40.1	49.04	4.9	40.2	—	—	—

See footnotes at end of table.

Table 3-1. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1997—Continued

Occupational group 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									
Physical scientists, n.e.c.	\$26.30	3.0	39.8	\$29.36	3.1	39.8	\$19.93	5.6	39.8
7	20.22	7.2	39.2	21.28	7.4	39.0	—	—	—
8	17.48	13.4	39.8	—	—	—	—	—	—
9	19.40	3.0	39.9	23.31	5.0	40.0	18.81	3.3	39.9
10	21.51	7.5	40.0	25.03	3.4	39.8	—	—	—
11	29.61	2.8	39.7	30.22	2.0	40.0	—	—	—
12	34.09	6.4	39.9	34.19	6.4	39.8	—	—	—
13	35.59	3.9	40.0	35.59	3.9	40.0	—	—	—
Agricultural and food scientists	21.93	6.0	40.3	24.29	7.4	40.5	18.26	4.5	40.0
Biological and life scientists	21.00	6.2	39.8	22.68	5.5	39.3	18.70	8.6	40.5
7	19.14	5.2	40.5	19.06	5.8	41.2	—	—	—
8	18.07	4.8	40.0	19.69	12.3	40.3	—	—	—
9	19.82	7.2	39.8	19.03	10.1	40.2	21.63	5.1	38.9
11	22.88	8.1	40.3	25.22	4.0	39.7	—	—	—
12	29.28	9.1	38.9	30.63	10.8	39.7	—	—	—
13	34.04	12.0	40.0	37.99	5.4	40.0	—	—	—
14	31.95	12.8	47.9	42.76	5.2	38.1	—	—	—
Forestry and conservation scientists	17.14	6.2	40.2	—	—	—	17.88	11.8	39.9
Medical scientists	21.43	5.8	38.5	23.15	7.3	38.1	19.13	7.1	39.0
5	11.78	11.0	40.1	13.51	12.4	40.2	—	—	—
7	18.36	6.7	40.0	15.93	4.0	40.0	—	—	—
9	19.06	6.4	37.9	18.73	7.0	39.9	19.46	11.0	35.8
10	15.25	13.5	43.5	—	—	—	—	—	—
11	22.38	5.4	38.9	20.16	8.4	37.8	—	—	—
12	27.47	7.8	37.1	28.64	6.7	36.6	—	—	—
13	21.68	18.6	35.6	27.81	12.8	34.1	—	—	—
Health related	21.83	.8	34.0	21.98	.8	33.2	21.29	1.9	37.2
4	13.54	11.4	24.0	13.54	11.4	24.0	—	—	—
5	14.97	4.4	31.7	15.50	5.1	30.4	13.42	5.7	36.3
6	17.04	1.8	34.2	17.50	2.1	32.9	16.14	5.9	36.9
7	17.95	1.1	33.2	18.03	1.2	32.3	17.63	2.2	36.9
8	19.38	1.0	33.2	19.38	1.1	32.5	19.39	1.9	36.7
9	21.21	.8	33.9	21.08	1.0	33.3	21.64	1.5	36.1
10	23.57	2.0	37.6	24.03	2.1	36.6	22.09	5.5	41.3
11	25.81	2.3	36.4	26.53	2.2	35.5	23.48	5.6	39.3
12	40.16	8.3	37.0	42.02	6.4	35.8	35.98	24.2	40.0
13	53.32	5.1	35.9	67.34	5.3	33.6	35.82	18.3	39.3
14	64.90	3.6	36.1	67.45	3.4	36.6	51.24	7.5	34.1
15	76.67	13.5	37.3	—	—	—	—	—	—
Not able to be leveled	28.00	8.3	37.4	30.34	9.7	35.7	19.46	11.2	45.6
Physicians	38.80	4.4	39.1	44.40	4.8	37.0	28.15	12.3	43.9
7	15.17	6.5	42.5	16.74	4.5	40.0	—	—	—
8	18.02	1.1	38.9	18.02	1.1	38.9	—	—	—
9	16.70	4.5	44.8	18.09	5.6	41.8	14.43	6.2	50.7
10	15.87	4.2	46.3	17.60	4.0	42.8	12.69	6.5	54.6
11	21.70	9.5	40.4	23.66	8.5	37.2	16.68	22.4	51.6
12	48.95	13.2	37.4	56.53	8.2	35.1	38.18	33.1	41.3
13	54.09	5.2	35.8	68.85	5.2	33.3	35.78	19.0	39.3
14	64.90	3.6	36.1	67.45	3.4	36.6	51.24	7.5	34.1
15	76.67	13.5	37.3	—	—	—	—	—	—
Not able to be leveled	31.13	10.1	40.4	36.45	11.3	37.3	17.39	14.0	51.0
Dentists	37.45	8.6	31.8	38.48	8.4	32.1	—	—	—
Health diagnosing practitioners, n.e.c.	24.01	13.7	35.9	20.80	8.6	35.2	—	—	—
Registered nurses	20.11	.6	33.3	20.09	.7	32.7	20.17	1.1	36.4
5	16.97	6.0	30.6	17.16	6.9	29.5	16.02	3.9	37.2
6	18.03	1.8	34.3	18.16	2.4	32.8	17.70	2.2	38.3
7	18.12	1.3	32.9	18.22	1.4	32.1	17.73	2.9	36.8
8	19.32	1.2	33.0	19.39	1.3	32.3	18.99	2.1	36.4

See footnotes at end of table.

Table 3-1. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1997—Continued

Occupational group 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									
Registered nurses—Continued									
9	\$20.92	0.9	33.3	\$20.78	1.1	32.7	\$21.45	1.6	35.5
10	25.84	2.2	36.1	25.70	2.6	35.9	26.54	4.0	37.3
11	26.19	2.2	36.6	26.34	2.5	36.4	25.61	4.6	37.4
12	30.86	4.1	37.5	30.75	5.2	36.9	31.06	6.4	38.6
Not able to be leveled	18.12	8.9	34.6	18.12	8.9	34.6	—	—	—
Pharmacists	26.20	1.3	34.8	26.75	1.3	34.1	24.02	5.1	38.2
5	15.90	23.3	19.9	16.06	27.1	19.9	—	—	—
7	23.25	8.4	33.3	23.26	7.8	30.8	—	—	—
8	25.06	1.8	32.8	25.15	1.8	32.7	—	—	—
9	25.84	1.6	36.8	26.45	1.8	36.3	22.74	2.8	39.8
10	25.76	4.4	34.0	25.40	3.0	32.4	26.79	14.3	39.7
11	26.81	1.9	34.9	28.43	2.1	34.0	23.03	7.8	37.3
12	31.83	3.8	40.2	31.80	4.4	40.4	—	—	—
Dietitians	16.42	2.3	36.0	16.92	2.4	34.7	15.68	4.0	38.1
5	12.37	6.5	36.7	13.25	5.2	35.4	—	—	—
6	13.61	4.1	38.5	13.62	7.2	37.8	—	—	—
7	16.15	3.2	35.3	17.32	4.0	31.9	14.99	2.9	39.5
8	18.07	3.6	35.4	18.72	5.1	33.2	16.90	3.3	40.0
9	17.18	4.0	36.9	16.85	4.2	36.8	17.76	8.1	37.0
11	17.55	5.0	40.0	—	—	—	—	—	—
Respiratory therapists	16.88	1.3	33.0	16.84	1.5	32.9	17.16	2.8	33.9
5	15.03	2.7	30.6	15.02	2.9	30.4	—	—	—
6	15.86	2.4	31.3	15.89	2.5	31.4	—	—	—
7	16.68	2.7	33.4	16.64	3.1	33.6	16.88	5.0	32.6
8	17.55	1.9	34.2	17.53	2.2	33.6	17.70	3.4	38.4
9	18.52	3.0	33.0	18.66	3.6	33.5	—	—	—
Occupational therapists	21.67	4.4	35.0	21.34	5.5	34.6	22.84	6.4	36.6
6	17.17	9.3	38.9	—	—	—	—	—	—
7	17.52	4.1	33.9	17.98	4.9	31.9	—	—	—
8	19.76	3.8	36.5	19.27	5.4	35.5	—	—	—
9	23.49	5.6	33.9	22.54	6.5	34.0	26.92	8.7	33.6
10	23.72	8.9	30.9	25.02	9.9	29.1	—	—	—
Physical therapists	24.08	2.3	34.3	24.31	2.8	33.9	23.06	5.7	36.3
6	16.83	4.6	35.2	18.79	4.4	30.9	—	—	—
7	20.30	7.1	29.6	20.27	7.6	30.2	—	—	—
8	22.78	6.0	28.6	22.72	6.7	27.7	—	—	—
9	23.66	2.9	36.2	23.90	3.6	36.0	22.78	6.1	37.0
10	27.59	4.8	35.9	26.55	4.3	35.7	—	—	—
11	29.78	5.1	31.9	30.20	5.6	31.6	—	—	—
12	29.32	5.9	29.3	29.27	6.2	29.6	—	—	—
Speech therapists	22.83	2.7	34.0	22.02	2.8	32.1	23.40	8.7	35.5
7	22.46	9.9	34.9	18.03	11.6	37.1	25.28	8.5	33.6
8	22.96	4.2	35.6	20.80	2.8	33.5	23.92	7.6	36.7
9	23.76	5.1	34.5	20.98	5.7	34.1	25.51	7.3	34.7
10	25.03	8.1	36.6	24.16	12.5	36.4	26.19	7.1	36.9
11	25.20	5.8	32.7	23.54	6.0	29.4	—	—	—
Therapists, n.e.c.	15.64	2.3	36.6	15.18	2.5	36.0	16.64	7.0	37.9
5	12.39	2.3	36.8	12.79	9.0	33.3	—	—	—
6	14.40	5.3	36.8	12.46	6.6	35.3	15.97	7.6	38.2
7	14.62	3.7	36.8	14.10	4.6	36.5	16.23	4.3	37.9
8	15.99	6.0	35.6	14.65	3.5	35.5	23.75	5.3	35.8
9	17.42	5.0	35.9	16.51	5.4	35.1	20.65	6.2	38.7
10	19.05	13.2	39.5	18.64	17.2	39.6	—	—	—
11	22.56	15.3	37.9	23.04	18.1	37.5	—	—	—
Physicians' assistants	23.28	6.1	34.6	24.49	5.5	36.2	18.26	21.2	29.3
5	10.46	3.6	32.1	10.31	3.3	33.4	—	—	—
8	22.82	13.4	31.8	—	—	—	—	—	—

See footnotes at end of table.

Table 3-1. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1997—Continued

Occupational group 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									
Physicians' assistants—Continued									
9	\$27.33	4.2	39.6	\$27.48	4.4	39.7	—	—	—
10	26.77	4.6	39.1	27.44	5.1	38.9	—	—	—
11	30.35	3.9	28.9	30.35	3.9	28.9	—	—	—
Teachers, college and university	32.46	1.6	33.7	33.43	2.5	33.4	\$32.06	2.0	33.8
5	13.11	5.2	27.3	—	—	—	13.03	5.6	27.1
6	13.55	10.0	21.7	14.75	12.9	30.0	12.54	13.6	17.6
7	20.37	5.5	26.6	18.59	8.0	25.4	21.69	6.1	27.5
8	23.97	4.6	27.1	21.11	6.7	28.6	24.86	6.1	26.7
9	25.07	3.2	27.4	21.88	6.7	32.3	26.12	3.6	26.1
10	25.91	4.6	29.9	25.61	7.5	29.1	26.09	6.0	30.4
11	29.25	2.4	36.1	31.20	4.2	35.6	28.15	2.5	36.3
12	35.24	2.5	34.5	38.44	3.9	36.4	34.13	2.8	34.0
13	37.57	4.1	38.9	43.76	3.0	35.9	36.05	4.5	39.7
14	50.39	5.1	39.7	59.06	6.2	38.5	46.23	6.4	40.2
15	54.04	3.2	40.3	—	—	—	—	—	—
Not able to be leveled	36.04	7.6	37.7	36.64	9.8	33.0	35.72	10.3	40.7
Earth, environmental, and marine science teachers	32.06	9.1	38.0	—	—	—	33.13	14.2	36.8
Biological science teachers	32.51	8.6	37.5	33.81	9.0	34.4	31.95	11.6	39.0
8	24.56	8.0	28.3	—	—	—	—	—	—
9	27.02	8.7	36.2	—	—	—	27.87	11.1	35.4
10	27.09	6.0	31.4	—	—	—	—	—	—
11	38.93	14.8	38.7	42.61	20.4	38.0	—	—	—
12	36.69	7.3	34.0	36.61	13.4	32.3	36.77	7.2	35.6
13	27.65	7.6	45.5	—	—	—	25.53	2.7	47.3
Chemistry teachers	34.70	8.3	40.4	43.73	17.9	35.5	32.93	8.7	41.6
11	38.99	20.8	39.4	—	—	—	31.50	9.3	40.0
12	43.59	14.3	33.2	—	—	—	—	—	—
13	32.85	11.2	44.3	—	—	—	—	—	—
Physics teachers	40.36	13.5	37.0	49.93	10.1	35.1	33.10	14.8	38.5
Natural science teachers, n.e.c.	38.83	5.1	36.8	29.13	8.5	31.9	40.49	5.8	37.7
11	31.31	3.0	38.3	—	—	—	—	—	—
12	43.40	10.4	38.4	—	—	—	—	—	—
Psychology teachers	29.89	6.7	35.3	32.10	12.3	34.1	28.30	8.7	36.2
9	18.65	9.1	21.7	—	—	—	—	—	—
10	25.57	9.7	32.9	—	—	—	—	—	—
11	28.43	6.5	37.9	30.39	7.9	37.0	—	—	—
12	32.21	20.2	34.8	—	—	—	—	—	—
13	41.33	7.0	38.9	43.45	9.6	38.1	—	—	—
Economics teachers	50.79	15.4	43.3	31.53	6.7	37.6	—	—	—
11	27.26	6.7	37.4	27.26	6.7	37.4	—	—	—
History teachers	30.81	5.7	32.3	26.51	9.3	29.9	34.61	7.5	34.7
9	22.67	2.7	23.0	—	—	—	—	—	—
12	30.82	8.1	39.4	—	—	—	—	—	—
Political science teachers	33.67	8.5	36.2	35.81	10.9	34.8	31.51	10.4	37.8
12	35.91	13.8	34.4	35.06	14.7	34.0	—	—	—
Sociology teachers	32.31	10.6	34.9	32.76	11.8	23.4	32.26	11.9	37.1
12	28.90	9.8	39.1	—	—	—	—	—	—
Social science teachers, n.e.c.	32.84	8.0	37.4	38.45	10.4	32.4	31.69	7.6	38.6
9	31.17	6.4	33.0	—	—	—	—	—	—
11	26.77	4.5	34.0	—	—	—	—	—	—
12	46.17	8.6	35.6	—	—	—	—	—	—
13	31.65	10.8	39.9	46.52	8.8	32.7	—	—	—
Engineering teachers	33.26	9.6	40.1	33.07	10.5	33.0	33.32	12.2	42.9
9	22.23	15.4	36.6	22.61	18.9	36.6	—	—	—
11	28.03	23.9	38.1	37.78	5.0	34.7	—	—	—
12	39.60	19.3	27.7	—	—	—	—	—	—

See footnotes at end of table.

Table 3-1. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1997—Continued

Occupational group 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									
Engineering teachers—Continued									
13	\$31.65	11.9	45.5	—	—	—	—	—	—
Mathematical science teachers	32.49	5.2	31.7	\$34.60	11.1	33.0	\$31.80	5.0	31.3
8	20.39	11.2	30.5	—	—	—	20.68	12.6	29.6
9	24.00	6.6	34.3	—	—	—	24.36	7.5	35.4
10	30.82	8.1	21.5	24.19	2.5	25.9	34.40	7.4	19.7
11	32.98	9.6	35.8	—	—	—	33.55	13.4	35.9
12	45.67	9.6	25.4	—	—	—	—	—	—
13	36.77	7.8	40.2	42.47	15.6	38.8	—	—	—
Computer science teachers	26.49	11.0	29.8	26.85	13.6	27.9	26.45	12.2	30.0
8	20.70	10.8	25.6	—	—	—	21.09	11.5	25.8
9	24.52	4.2	17.7	—	—	—	24.57	4.3	17.6
10	24.95	7.8	33.1	21.14	5.0	30.4	—	—	—
11	22.00	9.4	35.1	—	—	—	—	—	—
Medical science teachers	39.76	5.1	36.6	42.86	8.4	37.6	37.50	5.8	35.9
9	24.84	2.7	16.1	—	—	—	25.10	3.0	15.1
10	30.27	22.4	35.3	—	—	—	—	—	—
11	38.35	13.6	35.3	41.90	12.1	36.2	—	—	—
12	29.31	10.1	41.2	—	—	—	28.92	10.7	41.6
13	41.26	5.1	38.0	42.55	4.9	41.2	40.45	7.5	36.1
14	49.47	10.0	43.3	56.79	4.8	39.8	—	—	—
Not able to be leveled	36.65	9.8	48.7	—	—	—	36.23	10.2	50.2
Health specialties teachers	30.90	3.9	35.2	30.58	7.1	39.2	31.10	4.6	33.0
7	13.20	9.0	22.9	—	—	—	—	—	—
8	23.42	7.4	33.3	—	—	—	25.76	9.4	29.4
9	20.96	4.9	30.5	—	—	—	21.48	5.1	30.0
10	28.94	6.5	30.2	—	—	—	29.99	6.2	29.1
11	30.57	5.6	37.3	27.32	5.5	35.8	32.75	6.9	38.4
12	48.68	24.9	37.4	31.82	7.3	39.7	57.59	24.7	36.2
13	43.20	6.4	50.2	—	—	—	—	—	—
Not able to be leveled	27.25	5.9	37.1	29.08	11.5	34.5	—	—	—
Business, commerce, and marketing teachers ..	32.56	6.3	33.8	34.01	7.2	30.4	31.66	9.1	36.3
7	12.75	3.5	19.5	12.75	3.5	19.5	—	—	—
9	27.12	7.3	29.7	28.86	6.5	33.9	24.88	11.7	25.7
10	23.57	9.2	22.7	21.19	8.6	24.5	29.89	5.2	19.0
11	28.47	6.0	39.8	36.44	12.3	34.5	27.00	5.0	41.0
12	39.89	8.4	34.7	39.86	11.3	35.7	39.95	10.3	32.8
13	44.06	12.9	39.8	55.69	17.2	37.5	—	—	—
Agriculture and forestry teachers	41.94	24.8	35.2	—	—	—	41.94	24.8	35.2
Art, drama, and music teachers	28.63	3.5	32.4	27.78	5.8	30.0	29.31	4.3	34.7
8	17.79	4.7	28.0	18.19	8.7	31.0	—	—	—
9	24.39	9.2	32.0	25.67	10.9	29.5	23.75	11.8	33.3
10	25.90	11.0	23.6	23.04	5.6	25.2	29.42	17.4	21.8
11	27.39	4.6	34.2	24.60	4.9	32.7	—	—	—
12	30.90	8.2	40.9	33.69	6.6	38.1	—	—	—
13	40.47	5.2	39.5	—	—	—	—	—	—
Not able to be leveled	26.57	15.7	22.4	26.57	15.7	22.4	—	—	—
Physical education teachers	25.60	12.4	32.6	25.40	5.9	37.2	25.77	22.0	29.6
11	25.22	6.7	37.1	25.83	7.0	38.6	—	—	—
Education teachers	29.81	9.8	34.9	26.10	18.8	32.4	33.10	7.4	37.6
8	21.33	9.8	26.7	—	—	—	—	—	—
10	24.93	8.0	16.5	—	—	—	—	—	—
11	25.97	3.7	38.4	25.34	4.2	38.4	—	—	—
12	38.75	11.9	34.4	—	—	—	32.84	13.3	33.7
English teachers	31.01	4.6	32.9	25.82	7.8	31.3	33.29	4.8	33.7
7	14.69	5.7	21.0	14.69	5.7	21.0	—	—	—
8	25.58	12.5	25.5	—	—	—	28.91	9.6	22.9
9	23.15	5.9	29.9	21.78	9.2	35.7	25.81	6.7	22.8

See footnotes at end of table.

Table 3-1. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1997—Continued

Occupational group 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									
English teachers—Continued									
10	\$25.87	4.1	29.6	\$22.79	4.2	28.6	\$28.26	4.5	30.5
11	29.50	5.7	35.3	29.30	9.0	31.5	29.59	7.3	37.4
12	30.00	6.0	37.6	39.43	14.3	37.4	28.62	6.2	37.6
Foreign language teachers	24.76	12.0	33.0	29.90	7.1	32.6	20.06	16.7	33.3
8	17.41	6.2	20.3	—	—	—	—	—	—
9	23.22	5.7	23.2	18.52	9.5	20.1	24.71	8.1	24.3
10	17.53	18.5	42.7	—	—	—	—	—	—
11	27.96	10.4	35.3	27.68	12.6	40.3	—	—	—
12	44.08	8.2	36.5	45.59	10.2	37.1	—	—	—
Law teachers	56.07	10.5	34.1	60.87	11.5	36.1	—	—	—
13	64.04	8.4	34.4	64.04	8.4	34.4	—	—	—
Social work teachers	28.88	4.3	31.2	29.80	3.8	32.2	—	—	—
Theology teachers	38.63	8.6	36.8	34.23	11.6	37.1	—	—	—
10	29.51	12.5	27.0	—	—	—	—	—	—
11	27.09	6.1	39.0	27.09	6.1	39.0	—	—	—
12	32.67	3.3	37.9	—	—	—	—	—	—
Trade and industrial teachers	24.59	3.9	34.3	17.10	15.3	34.6	25.84	1.7	34.2
7	24.17	5.1	33.6	—	—	—	24.50	4.4	33.4
8	23.38	9.6	21.2	—	—	—	24.53	9.9	21.9
9	25.59	2.0	35.7	23.12	6.0	32.6	25.79	2.1	36.0
11	26.05	6.8	33.0	—	—	—	—	—	—
Teachers, post secondary, subject not specified	30.95	7.5	31.9	27.76	5.6	31.2	31.76	9.2	32.1
7	24.32	5.2	30.6	—	—	—	—	—	—
8	15.71	2.3	38.7	—	—	—	15.68	2.2	39.1
9	23.52	5.1	20.5	26.07	9.8	25.1	22.79	5.3	19.4
10	27.79	4.8	33.9	33.45	7.2	25.0	27.03	4.5	35.6
11	28.22	5.5	37.3	28.06	4.1	38.6	28.49	13.1	35.4
12	32.42	6.6	32.4	33.28	4.2	37.0	32.25	8.0	31.7
13	34.61	5.4	33.3	—	—	—	34.11	5.8	33.4
Teachers, post secondary, n.e.c.	31.10	3.0	31.3	33.18	6.2	32.5	30.56	3.3	31.0
5	13.25	5.5	27.9	—	—	—	13.06	5.8	27.9
6	14.03	5.3	19.7	—	—	—	14.02	5.9	20.3
7	21.07	5.4	28.6	—	—	—	18.76	7.0	21.5
8	21.33	4.1	26.7	19.58	7.5	26.5	21.78	5.0	26.8
9	28.54	5.0	24.1	21.68	5.3	23.5	29.27	5.0	24.2
10	25.86	9.1	30.7	26.97	16.8	31.7	24.97	7.5	29.9
11	27.97	2.2	34.0	26.25	2.8	30.5	28.23	2.5	34.7
12	33.64	5.1	31.7	37.37	9.1	36.9	33.22	5.3	31.2
13	39.74	8.0	35.3	42.91	7.7	32.2	39.06	9.4	36.1
14	55.54	8.0	34.9	64.25	14.8	34.5	50.50	5.6	35.1
Not able to be leveled	34.81	16.4	37.2	43.46	10.2	39.5	24.06	23.9	34.7
Teachers, except college and university	25.62	.9	34.4	16.28	2.1	31.0	26.49	1.0	34.8
2	5.71	6.6	7.3	—	—	—	5.68	7.3	8.5
3	6.77	5.2	9.2	7.08	6.1	11.9	6.72	6.0	8.9
4	8.07	3.3	15.3	8.06	4.0	14.3	8.08	6.2	16.9
5	11.60	5.8	24.3	10.27	7.2	30.3	12.52	7.6	21.4
6	20.61	6.0	29.8	11.60	3.2	31.4	24.34	5.6	29.1
7	22.14	2.1	35.8	16.46	4.9	33.3	22.64	2.3	36.0
8	24.98	2.0	36.3	17.34	5.1	34.3	25.49	2.1	36.4
9	29.08	1.4	35.3	21.21	2.4	33.5	29.46	1.5	35.4
10	29.48	3.3	34.1	25.18	5.5	30.4	29.95	3.4	34.5
11	29.27	5.5	36.7	27.02	6.5	35.8	29.49	6.0	36.8
12	34.71	7.2	33.3	28.79	9.1	39.5	36.46	6.2	31.8
Not able to be leveled	18.40	11.5	22.8	16.45	14.3	12.0	18.98	13.7	31.1
Prekindergarten and kindergarten	19.31	3.9	34.8	10.66	7.3	34.6	24.25	4.1	35.0
5	8.58	7.1	33.3	8.30	7.8	32.7	10.00	7.8	37.1
6	12.25	10.8	34.3	9.78	6.5	33.8	20.09	15.4	36.2

See footnotes at end of table.

Table 3-1. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1997—Continued

Occupational group 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									
Prekindergarten and kindergarten—Continued									
7	\$18.92	9.5	37.5	\$12.39	2.8	36.2	\$21.61	11.1	38.1
8	22.64	7.5	36.1	12.76	17.9	36.9	24.53	6.2	36.0
9	26.39	3.7	32.9	—	—	—	27.27	4.0	32.4
Elementary school teachers	26.38	1.1	36.3	18.84	3.0	35.4	26.71	1.1	36.3
5	17.63	14.2	30.6	11.37	10.1	35.2	20.75	13.4	28.7
6	27.96	5.9	34.3	15.32	6.2	35.7	28.37	5.9	34.3
7	22.36	2.5	37.1	18.85	3.2	34.3	22.52	2.6	37.2
8	25.35	1.8	36.8	18.40	7.8	36.9	25.64	1.9	36.8
9	28.80	1.6	35.9	20.45	4.5	35.4	29.13	1.7	35.9
10	31.09	6.0	35.2	23.64	13.4	30.5	31.22	6.0	35.3
11	24.02	3.9	40.9	—	—	—	23.74	3.6	41.5
Secondary school teachers	26.66	1.6	36.8	21.45	2.9	35.3	26.93	1.6	36.8
5	19.81	7.6	31.0	18.19	4.0	32.5	20.88	10.7	30.0
6	25.40	7.4	36.3	16.61	9.5	38.2	27.94	7.3	35.8
7	22.71	2.5	37.8	19.86	4.4	35.4	22.80	2.6	37.9
8	26.12	3.9	37.0	21.09	6.6	34.2	26.34	4.0	37.2
9	28.75	2.4	36.4	23.47	2.9	35.9	28.99	2.5	36.5
10	30.32	8.3	35.7	26.86	9.8	29.8	—	—	—
11	28.82	4.1	35.5	24.41	9.3	40.1	29.06	4.2	35.3
Teachers, special education	27.12	2.2	35.9	19.32	4.9	35.9	27.88	2.2	35.9
5	12.33	14.3	35.7	12.06	8.6	38.4	12.45	21.0	34.5
6	17.62	11.0	33.7	—	—	—	18.51	11.8	33.3
7	23.05	4.3	37.3	18.49	11.7	37.0	23.84	4.0	37.4
8	24.88	3.8	35.9	19.56	6.4	35.8	25.24	4.0	35.9
9	30.49	2.8	35.6	20.51	6.6	33.3	31.08	2.8	35.8
10	32.05	7.1	34.6	—	—	—	33.01	7.4	34.3
11	28.91	8.1	34.8	—	—	—	—	—	—
Teachers, n.e.c.	26.16	2.6	29.4	16.16	4.3	21.1	27.89	2.6	31.5
3	7.35	4.1	14.7	7.08	6.2	11.9	—	—	—
4	7.91	6.0	9.4	7.50	5.2	9.2	9.65	16.6	10.4
5	12.93	4.4	21.6	12.43	7.6	21.0	13.23	5.2	21.9
6	15.01	5.3	22.0	12.82	5.5	25.0	17.94	4.0	18.9
7	24.62	6.7	32.7	16.69	5.4	27.5	26.13	6.9	34.0
8	22.69	4.5	33.2	15.37	9.5	27.9	23.91	3.9	34.3
9	31.49	3.2	31.5	22.68	5.4	20.6	31.80	3.2	32.1
10	28.93	6.7	33.4	24.99	6.1	28.6	31.00	6.9	36.5
11	30.61	5.5	36.4	31.62	6.6	33.7	30.21	7.3	37.6
12	36.38	9.4	29.5	—	—	—	38.62	3.9	28.6
Not able to be leveled	16.42	13.2	18.1	—	—	—	15.03	16.8	29.5
Substitute teachers	10.10	4.0	14.6	8.09	4.7	13.2	10.15	4.1	14.7
2	5.68	7.3	8.5	—	—	—	5.68	7.3	8.5
3	6.41	8.3	7.4	—	—	—	6.41	8.3	7.4
4	7.20	3.2	19.1	—	—	—	7.21	3.2	19.1
5	7.94	4.4	15.0	8.54	5.8	12.2	7.93	4.4	15.0
6	12.28	8.6	13.8	8.79	3.8	9.7	12.52	8.9	14.2
7	11.71	7.1	16.1	7.36	2.7	24.6	11.94	7.3	15.8
8	13.92	13.3	14.5	—	—	—	13.95	13.3	15.0
9	15.06	17.2	35.2	—	—	—	—	—	—
Vocational and educational counselors	23.24	4.2	36.8	14.67	5.4	37.0	25.40	4.2	36.7
5	11.76	6.1	35.9	10.05	4.2	39.1	13.07	5.9	33.8
6	12.06	5.6	37.3	10.42	3.8	36.7	14.44	9.6	38.3
7	18.03	6.3	38.9	13.62	3.6	37.8	19.07	7.2	39.1
8	22.22	6.0	37.5	15.66	5.3	38.4	23.71	6.3	37.3
9	26.79	7.0	36.1	19.26	6.8	37.7	27.89	7.3	35.8
10	28.61	5.7	37.6	—	—	—	28.65	5.7	37.6
11	35.02	8.4	34.7	23.35	9.8	38.2	36.78	7.7	34.3

See footnotes at end of table.

Table 3-1. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1997—Continued

Occupational group 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									
Vocational and educational counselors—Continued									
12	\$28.93	5.9	38.6	—	—	—	—	—	—
Not able to be leveled	21.33	15.4	31.9	—	—	—	\$23.08	15.4	37.2
Librarians, archivists, and curators	20.25	3.0	36.4	\$20.18	3.9	35.4	20.29	4.1	36.9
5	12.92	6.8	33.4	14.42	12.9	27.3	12.17	5.5	37.5
6	11.17	18.5	35.9	9.96	8.1	33.5	11.48	23.3	36.5
7	15.19	4.9	36.6	15.02	4.4	36.8	15.26	6.6	36.5
8	19.37	5.1	38.1	18.34	5.9	39.5	19.66	6.2	37.8
9	23.03	4.7	36.5	19.94	4.0	34.9	24.75	6.3	37.5
10	23.66	7.1	36.1	22.14	7.2	36.6	25.14	10.6	35.6
11	23.93	7.6	35.8	25.91	5.2	36.1	23.01	10.5	35.7
12	26.09	9.8	38.5	26.26	14.3	38.5	—	—	—
Librarians	20.60	3.3	36.5	19.77	3.5	36.0	20.97	4.5	36.8
5	13.86	8.6	35.1	14.70	15.2	33.3	13.18	8.2	36.7
6	11.14	18.7	35.8	9.72	8.3	33.2	11.48	23.3	36.5
7	15.34	5.7	36.3	15.40	4.6	36.6	15.31	8.0	36.1
8	19.50	5.4	38.0	18.23	7.0	38.2	19.81	6.4	38.0
9	23.63	4.8	36.8	20.63	3.5	35.7	25.15	6.4	37.3
10	23.71	7.6	36.1	22.01	8.1	36.8	25.21	11.0	35.6
11	24.83	7.8	35.2	25.42	5.9	35.4	24.55	11.1	35.1
12	28.49	8.4	38.1	—	—	—	—	—	—
Archivists and curators	17.94	8.9	35.8	22.18	13.7	33.0	14.76	6.7	38.2
5	11.40	2.9	30.9	—	—	—	—	—	—
7	14.42	5.8	38.6	—	—	—	—	—	—
9	16.43	5.0	34.1	15.59	6.5	30.9	—	—	—
Social scientists and urban planners	21.73	3.3	36.9	21.06	4.2	35.6	22.40	5.0	38.3
5	11.88	6.6	35.9	12.12	6.5	34.6	—	—	—
6	15.10	3.8	38.1	14.89	4.4	38.7	—	—	—
7	16.54	4.0	39.6	16.94	4.7	40.2	15.92	6.6	38.8
8	19.29	3.4	38.0	18.95	4.6	38.3	19.75	5.3	37.6
9	22.28	8.2	35.1	19.02	6.0	32.9	25.51	11.3	37.6
10	21.79	8.9	37.8	21.70	10.4	36.7	21.83	12.4	38.4
11	28.20	4.0	36.4	29.28	6.5	32.4	27.64	4.7	38.9
12	31.17	4.8	40.6	32.54	5.6	40.9	27.13	6.1	39.9
13	38.76	5.7	35.9	39.91	5.5	35.5	—	—	—
Not able to be leveled	15.95	24.5	38.9	24.96	18.7	37.4	—	—	—
Economists	23.28	5.1	39.8	23.48	5.3	39.8	20.10	5.0	40.0
5	13.16	4.1	40.3	13.16	4.1	40.3	—	—	—
6	14.91	3.7	43.9	14.91	3.7	43.9	—	—	—
7	17.44	5.0	40.8	17.65	4.9	40.9	—	—	—
8	20.28	6.4	38.4	20.28	6.4	38.4	—	—	—
9	23.18	4.1	39.7	23.44	4.1	39.7	—	—	—
10	27.88	8.2	36.7	28.00	8.1	36.6	—	—	—
11	27.59	10.6	38.6	30.54	10.0	37.9	—	—	—
12	33.82	5.8	41.7	33.82	5.8	41.7	—	—	—
Not able to be leveled	27.46	22.6	40.0	27.46	22.6	40.0	—	—	—
Psychologists	22.82	5.0	34.6	17.55	4.1	31.3	26.59	5.1	37.4
5	11.09	12.7	28.1	—	—	—	—	—	—
6	14.96	7.9	33.5	14.62	9.5	34.4	—	—	—
7	14.87	7.4	38.7	14.33	5.0	37.1	15.16	10.9	39.6
8	19.53	4.2	37.3	17.51	8.2	38.1	21.34	5.0	36.6
9	23.19	12.4	32.6	15.50	2.8	28.8	29.45	10.6	36.5
10	22.80	7.8	36.7	17.83	6.3	36.6	26.93	8.5	36.8
11	28.41	4.6	36.2	27.53	8.3	29.1	28.65	5.4	38.7
12	25.79	6.9	38.6	—	—	—	26.74	6.9	39.9
Not able to be leveled	23.36	11.7	34.6	—	—	—	—	—	—

See footnotes at end of table.

Table 3-1. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1997—Continued

Occupational group 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									
Sociologists	\$16.56	2.8	39.3	—	—	—	—	—	—
Social scientists, n.e.c.	13.41	15.9	38.4	\$25.85	11.0	31.4	\$11.29	10.2	39.9
9	13.43	7.4	39.9	—	—	—	—	—	—
Urban planners	20.56	4.5	39.5	—	—	—	20.76	4.5	39.5
7	14.70	7.7	39.5	—	—	—	15.35	11.2	39.3
9	19.82	3.6	39.9	—	—	—	19.82	3.6	39.9
10	24.75	6.9	38.1	—	—	—	24.75	6.9	38.1
11	26.26	5.5	39.9	—	—	—	26.26	5.5	39.9
Social, recreation, and religious workers	15.17	1.4	37.3	13.63	1.7	36.3	16.12	1.8	37.9
3	5.94	13.9	32.8	5.92	14.8	38.5	—	—	—
4	8.67	5.4	33.8	9.16	5.9	34.4	—	—	—
5	11.23	1.4	36.8	10.05	2.4	35.3	11.87	1.9	37.7
6	12.47	2.8	38.0	10.55	3.5	37.4	13.71	2.7	38.3
7	14.05	1.6	37.8	13.08	1.8	37.4	14.72	2.5	38.2
8	14.79	2.0	37.8	13.78	2.8	36.8	15.35	2.7	38.4
9	17.75	2.7	36.8	16.44	2.5	34.8	18.54	4.0	38.2
10	19.83	8.0	38.1	16.65	10.3	38.8	23.67	7.6	37.3
11	20.99	6.8	37.2	17.26	10.4	35.4	23.55	7.9	38.5
12	24.50	11.8	40.0	—	—	—	—	—	—
Not able to be leveled	17.95	4.3	33.3	17.43	10.0	25.9	18.00	4.6	34.2
Social workers	15.38	1.4	37.6	13.85	1.6	36.1	16.26	1.9	38.5
5	11.41	1.5	38.0	10.15	2.6	35.5	11.98	2.0	39.2
6	12.54	3.1	38.0	10.47	3.7	37.3	13.84	2.7	38.4
7	13.95	1.7	38.0	13.15	1.8	37.8	14.54	2.6	38.1
8	14.88	2.0	38.0	13.85	2.9	36.7	15.39	2.7	38.8
9	17.72	2.8	37.0	16.17	2.5	35.0	18.57	4.0	38.2
10	21.07	6.2	36.4	18.02	6.3	35.2	23.94	7.9	37.6
11	22.43	5.8	35.8	20.26	6.0	31.6	23.55	7.9	38.5
12	24.44	12.2	40.0	—	—	—	—	—	—
Not able to be leveled	18.34	4.5	37.5	—	—	—	18.29	4.8	38.7
Recreation workers	12.61	3.9	32.8	11.20	4.7	35.6	13.76	4.9	30.8
3	5.68	13.6	32.5	—	—	—	—	—	—
4	8.94	10.2	29.9	10.54	8.6	28.8	—	—	—
5	9.67	3.0	29.4	9.06	3.0	33.4	10.50	4.0	25.4
6	11.68	7.4	38.4	11.18	6.8	39.9	12.11	11.4	37.2
7	15.30	5.6	37.7	11.34	6.7	33.9	16.47	3.7	39.0
8	14.37	6.0	34.9	14.45	7.8	38.3	14.23	9.1	30.2
9	15.48	14.8	34.3	16.62	10.9	34.5	—	—	—
Clergy	12.01	15.5	41.8	12.01	15.6	42.2	—	—	—
8	10.41	16.7	36.7	10.41	16.7	36.7	—	—	—
9	19.34	7.1	30.4	19.34	7.1	30.4	—	—	—
11	8.35	13.9	54.6	8.35	13.9	54.6	—	—	—
Religious workers, n.e.c.	20.66	4.2	33.8	20.66	4.2	33.8	—	—	—
9	21.25	5.0	40.0	21.25	5.0	40.0	—	—	—
Lawyers and judges	34.83	3.1	39.9	39.27	3.8	43.8	29.67	3.8	36.1
7	20.59	12.3	39.4	—	—	—	17.75	11.7	36.7
8	20.38	7.7	40.5	—	—	—	17.94	2.2	35.3
9	19.68	5.3	37.3	22.38	7.9	44.2	18.58	6.8	35.1
10	25.46	6.0	40.2	29.08	8.5	45.2	21.69	5.8	36.0
11	28.20	3.8	37.7	29.87	5.0	43.7	26.16	5.5	32.3
12	34.93	3.6	41.8	35.71	4.4	45.7	33.32	6.3	35.5
13	48.11	5.5	41.1	49.34	6.5	42.6	43.38	8.1	36.2
14	50.36	6.0	42.5	52.20	7.6	42.4	45.46	7.2	42.7
15	43.47	14.2	40.1	68.00	8.4	40.5	—	—	—
Not able to be leveled	34.80	7.9	38.4	46.77	9.1	42.0	31.75	8.5	37.6
Lawyers	34.48	3.2	40.2	39.27	3.8	43.8	28.27	3.9	36.3
7	20.59	12.3	39.4	—	—	—	17.75	11.7	36.7
8	20.38	7.7	40.5	—	—	—	17.94	2.2	35.3

See footnotes at end of table.

Table 3-1. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1997—Continued

Occupational group 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									
Lawyers—Continued									
9	\$19.78	5.4	38.0	\$22.38	7.9	44.2	\$18.68	7.0	35.9
10	25.94	6.4	41.3	29.08	8.5	45.2	22.05	6.6	37.3
11	28.11	3.9	38.6	29.87	5.0	43.7	25.93	5.5	33.8
12	34.76	3.8	41.8	35.71	4.4	45.7	32.68	6.9	35.2
13	48.24	5.6	41.3	49.34	6.5	42.6	43.58	8.7	36.6
14	50.94	6.7	42.8	52.20	7.6	42.4	—	—	—
15	43.47	14.2	40.1	68.00	8.4	40.5	—	—	—
Not able to be leveled	32.50	6.8	38.2	46.77	9.1	42.0	27.87	3.8	37.1
Judges	41.56	7.5	34.2	—	—	—	41.56	7.5	34.2
Not able to be leveled	46.00	4.9	39.3	—	—	—	46.00	4.9	39.3
Writers, authors, entertainers, athletes, and professionals, n.e.c.	21.34	2.7	36.9	21.45	3.0	37.3	20.33	3.6	33.7
4	11.90	25.0	32.6	11.92	25.0	32.8	—	—	—
5	12.92	2.8	38.5	12.94	2.9	39.1	12.52	7.5	29.5
6	13.03	3.7	38.5	13.09	4.2	38.5	12.60	5.7	38.4
7	17.36	2.6	39.2	17.48	2.8	39.3	16.47	6.4	38.4
8	18.09	2.2	39.4	18.16	2.3	39.3	17.30	9.2	39.7
9	22.03	2.7	39.0	22.07	2.8	39.1	21.08	5.9	35.4
10	25.29	3.6	39.9	26.04	3.4	39.6	—	—	—
11	29.11	2.9	38.3	29.52	3.0	39.6	23.34	4.5	26.4
12	33.28	3.5	39.8	33.80	3.6	40.8	—	—	—
13	38.49	3.2	39.6	38.56	3.2	39.6	—	—	—
14	42.62	4.4	40.7	43.12	5.8	41.0	—	—	—
Not able to be leveled	22.63	8.4	31.5	22.74	9.9	31.7	22.07	10.1	30.4
Authors	30.53	33.8	30.8	30.53	33.8	30.8	—	—	—
Not able to be leveled	30.53	33.8	30.8	30.53	33.8	30.8	—	—	—
Technical writers	20.00	3.8	38.6	20.00	3.8	38.6	—	—	—
5	13.31	4.4	38.1	13.31	4.4	38.1	—	—	—
6	15.52	7.2	40.0	15.52	7.2	40.0	—	—	—
7	19.73	5.8	39.5	19.71	5.8	39.5	—	—	—
8	18.38	7.8	38.4	18.38	7.8	38.4	—	—	—
9	19.93	5.1	37.9	19.93	5.1	37.9	—	—	—
11	27.66	6.4	40.1	27.66	6.4	40.1	—	—	—
Designers	20.70	4.6	39.9	20.79	4.6	39.9	15.01	8.5	39.9
4	7.84	3.6	34.3	7.84	3.6	34.3	—	—	—
5	12.60	7.2	39.7	12.60	7.2	39.7	—	—	—
6	15.28	4.3	38.0	15.58	4.4	37.8	13.04	8.5	39.8
7	17.84	3.9	40.0	17.84	3.9	40.0	—	—	—
8	18.06	3.5	40.5	18.15	3.6	40.5	—	—	—
9	21.96	3.9	39.9	21.96	3.9	39.9	—	—	—
10	26.74	5.2	40.9	26.74	5.2	40.9	—	—	—
11	27.77	4.4	41.1	28.11	4.4	41.2	—	—	—
12	35.11	6.2	43.2	35.11	6.2	43.2	—	—	—
Not able to be leveled	27.27	16.9	35.6	27.27	16.9	35.6	—	—	—
Musicians and composers	41.23	15.8	16.5	43.00	15.6	16.5	13.43	7.7	15.7
Not able to be leveled	41.23	15.8	16.5	43.00	15.6	16.5	13.43	7.7	15.7
Actors and directors	23.20	12.5	34.5	23.34	12.6	35.0	—	—	—
Not able to be leveled	23.20	12.5	34.5	23.34	12.6	35.0	—	—	—
Painters, sculptors, craft artists, and artist printmakers	18.70	13.8	36.8	18.77	14.5	36.6	17.45	11.3	39.6
Not able to be leveled	18.70	13.8	36.8	18.77	14.5	36.6	17.45	11.3	39.6
Photographers	15.95	7.2	39.3	16.03	7.9	39.3	—	—	—
5	12.52	16.8	39.9	12.38	18.6	39.9	—	—	—
6	14.40	8.6	40.6	13.78	10.3	40.7	—	—	—
7	20.88	23.2	38.6	23.31	26.6	38.0	—	—	—
8	17.86	5.5	39.5	17.91	5.6	39.5	—	—	—
9	21.26	5.0	40.0	21.26	5.0	40.0	—	—	—

See footnotes at end of table.

Table 3-1. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1997—Continued

Occupational group 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									
Dancers	\$3.80	36.4	26.6	—	—	—	—	—	—
Not able to be leveled	3.80	36.4	26.6	—	—	—	—	—	—
Artists, performers, and related workers, n.e.c.	13.31	11.4	26.1	\$12.05	15.2	26.1	\$16.52	9.6	26.2
Not able to be leveled	13.31	11.4	26.1	12.05	15.2	26.1	16.52	9.6	26.2
Editors and reporters	22.03	4.9	38.9	22.15	5.0	38.9	16.09	7.2	38.3
5	12.15	4.6	38.1	12.17	4.6	38.1	—	—	—
6	11.93	7.0	37.7	11.99	7.4	37.9	—	—	—
7	15.81	3.8	38.6	15.82	3.9	38.6	—	—	—
8	18.88	4.0	39.5	18.84	4.3	39.5	—	—	—
9	22.29	5.5	39.0	22.29	5.5	39.0	—	—	—
10	25.84	6.0	40.1	25.84	6.0	40.1	—	—	—
11	33.05	5.2	38.6	33.29	5.2	38.5	—	—	—
12	33.52	12.5	41.1	33.52	12.5	41.1	—	—	—
13	42.06	5.4	37.3	42.06	5.4	37.3	—	—	—
Not able to be leveled	48.25	29.4	41.9	48.25	29.4	41.9	—	—	—
Public relations specialists	20.00	5.0	38.0	20.24	6.0	39.4	19.21	9.7	34.0
5	12.15	8.0	35.7	12.23	9.3	39.3	—	—	—
6	11.65	3.7	39.2	11.72	4.3	39.3	—	—	—
7	18.70	10.2	39.6	18.77	5.4	39.6	18.58	26.7	39.6
8	15.90	6.0	38.8	16.71	5.9	38.7	13.00	7.7	39.2
9	19.92	3.8	38.9	19.41	4.3	39.1	21.53	6.8	38.2
10	24.67	9.8	39.6	—	—	—	—	—	—
11	27.06	4.7	33.4	28.08	5.4	41.2	—	—	—
12	34.34	5.6	38.8	34.39	5.6	38.8	—	—	—
Announcers	20.24	19.8	31.0	20.24	19.8	31.0	—	—	—
Not able to be leveled	20.24	19.8	31.0	20.24	19.8	31.0	—	—	—
Athletes	26.42	31.6	25.1	28.61	46.4	24.0	22.90	19.1	27.2
Not able to be leveled	26.42	31.6	25.1	28.61	46.4	24.0	22.90	19.1	27.2
Professional, n.e.c.	23.39	3.6	38.7	23.71	4.2	39.2	22.17	7.4	36.7
5	14.80	2.8	38.8	14.82	2.8	38.8	—	—	—
6	13.05	9.0	38.7	12.84	10.8	38.8	—	—	—
7	16.64	3.8	38.9	16.86	5.0	39.4	16.03	3.3	37.5
8	19.03	4.2	39.0	18.45	4.6	38.6	—	—	—
9	24.27	5.0	38.6	24.48	5.1	39.2	19.54	9.6	28.1
10	22.69	7.7	40.8	23.97	7.1	39.8	—	—	—
11	25.95	4.9	38.6	25.99	5.3	38.5	—	—	—
12	31.69	3.4	37.5	32.72	4.0	39.9	—	—	—
14	45.54	6.3	40.0	47.90	6.3	40.0	—	—	—
Not able to be leveled	23.55	6.7	38.0	22.69	5.1	38.9	24.89	13.9	36.5
Technical	16.66	.9	36.8	17.15	1.0	36.6	14.46	1.3	37.5
2	8.05	3.6	34.3	7.92	4.5	32.9	8.42	3.7	39.0
3	9.27	2.6	32.8	9.37	2.9	32.8	8.52	4.4	32.3
4	11.07	1.0	36.2	11.24	1.1	36.1	10.44	2.7	36.6
5	12.90	.9	35.9	13.04	1.0	35.5	12.27	1.7	37.4
6	14.46	.9	37.0	14.72	1.1	36.8	13.44	1.9	37.6
7	17.17	1.3	37.5	17.38	1.5	37.4	16.26	1.7	37.8
8	18.47	1.0	38.5	18.83	1.1	38.5	16.87	2.0	38.7
9	22.39	1.7	38.0	22.84	2.0	38.0	20.15	2.3	38.4
10	28.31	5.1	38.2	28.79	5.5	38.1	23.19	6.9	39.5
11	45.46	6.6	32.6	46.13	6.7	32.4	23.10	10.8	40.0
12	46.55	16.2	33.5	46.55	16.2	33.5	—	—	—
Not able to be leveled	17.03	4.4	35.6	17.08	5.1	36.6	16.87	8.5	32.9
Clinical laboratory technologists and technicians	14.96	1.4	36.7	15.09	1.5	36.3	14.38	4.9	38.5
2	6.73	3.6	36.1	6.73	3.6	36.1	—	—	—
3	9.09	2.1	35.6	9.09	2.2	35.3	—	—	—
4	10.40	2.9	35.6	10.68	3.9	34.5	—	—	—

See footnotes at end of table.

Table 3-1. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1997—Continued

Occupational group 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									
Clinical laboratory technologists and technicians—Continued									
5	\$12.63	3.6	36.3	\$12.82	3.8	35.6	\$11.99	8.4	39.0
6	13.65	4.3	38.1	13.67	4.6	38.0	13.38	4.8	38.5
7	15.84	2.2	36.9	15.80	2.4	36.6	16.13	3.6	39.5
8	16.85	1.7	36.2	16.91	2.0	35.4	16.67	4.5	39.2
9	19.22	2.2	37.2	19.51	2.6	37.3	18.03	2.6	36.8
10	21.80	3.8	38.0	21.51	4.1	37.8	—	—	—
11	22.27	3.3	37.4	22.11	3.6	37.1	—	—	—
Not able to be leveled	15.63	12.3	40.0	15.81	12.5	40.0	—	—	—
Dental hygienists	20.21	7.9	36.6	23.53	1.6	34.8	—	—	—
Health record technologists and technicians	11.69	3.2	34.7	11.55	3.5	35.0	12.59	8.1	32.5
2	8.50	5.3	35.9	—	—	—	—	—	—
3	10.17	13.2	32.7	10.20	13.6	33.0	—	—	—
4	10.27	2.7	36.5	10.28	2.9	36.5	10.18	5.5	36.5
5	11.71	6.6	32.0	11.45	6.8	31.6	—	—	—
6	14.43	4.8	36.2	14.66	5.1	38.6	—	—	—
7	15.04	7.5	37.5	—	—	—	—	—	—
8	17.21	2.8	31.4	16.91	3.4	38.3	—	—	—
9	19.16	2.3	36.5	—	—	—	—	—	—
Radiological technicians	16.30	1.3	33.5	16.41	1.4	33.4	15.47	4.9	33.7
4	14.31	8.4	33.8	15.03	8.5	33.6	—	—	—
5	14.11	2.3	29.2	14.17	2.5	29.0	13.64	1.9	31.0
6	15.05	2.2	34.8	15.18	2.5	34.9	14.11	2.7	34.1
7	18.02	2.1	31.8	18.06	2.1	31.8	17.60	9.7	31.0
8	18.24	3.0	36.9	17.95	2.5	37.0	19.69	13.1	36.6
9	18.86	5.0	37.7	19.47	6.3	37.9	—	—	—
Not able to be leveled	14.05	9.1	31.1	14.05	9.1	31.1	—	—	—
Licensed practical nurses	12.56	.9	34.8	12.58	.9	34.3	12.51	2.6	37.3
3	10.46	6.3	31.3	10.24	5.8	31.1	—	—	—
4	11.36	2.0	35.8	11.46	2.3	35.0	10.98	5.0	39.1
5	12.32	1.3	34.6	12.36	1.5	34.0	12.11	2.1	37.4
6	12.55	1.6	34.8	12.74	1.6	34.2	11.75	3.7	37.5
7	13.94	1.6	34.0	13.68	1.7	34.1	15.25	2.5	33.7
8	13.93	3.2	37.0	13.78	3.4	36.6	14.76	9.3	39.2
Health technologists and technicians, n.e.c.	12.92	1.5	34.9	12.85	1.7	34.1	13.08	3.0	37.4
2	7.93	2.7	34.4	8.01	3.7	30.0	7.85	3.6	40.0
3	8.64	4.4	30.4	8.75	5.0	29.5	7.91	8.2	37.9
4	10.38	2.1	34.1	10.64	2.1	34.5	9.49	5.1	32.6
5	12.32	2.1	35.2	12.30	2.5	34.4	12.38	4.5	38.3
6	13.30	2.4	35.9	13.06	3.3	34.0	13.67	3.0	39.1
7	15.50	2.3	36.8	15.85	3.3	35.4	14.85	2.4	39.7
8	16.42	1.9	34.4	16.49	2.3	33.5	16.20	4.3	37.2
9	20.99	3.6	36.8	19.81	4.9	36.1	23.23	2.7	38.4
10	20.93	15.8	37.8	19.70	20.6	37.2	—	—	—
11	39.43	4.5	40.0	—	—	—	—	—	—
Not able to be leveled	15.01	7.4	37.0	15.36	8.0	36.9	—	—	—
Electrical and electronic technicians	17.73	1.8	39.6	17.92	1.9	39.8	15.59	10.8	38.4
3	10.56	8.6	33.2	10.78	8.4	35.8	—	—	—
4	11.29	1.7	38.1	11.37	1.4	38.2	—	—	—
5	14.32	2.7	38.9	14.33	2.7	39.4	—	—	—
6	15.47	6.3	39.9	16.49	3.9	39.9	11.99	15.1	39.7
7	18.81	2.8	40.1	18.91	2.8	40.1	16.86	8.6	39.9
8	19.61	2.0	40.1	19.50	2.1	40.1	21.17	5.2	39.2
9	22.12	2.1	39.9	22.13	2.2	39.9	—	—	—
10	24.02	4.4	40.0	23.36	4.7	40.0	—	—	—
Not able to be leveled	16.96	5.8	39.8	16.90	6.2	39.8	—	—	—
Industrial engineering technicians	16.31	6.2	40.2	16.35	6.3	40.2	—	—	—
Mechanical engineering technicians	18.87	3.1	40.0	19.11	2.9	40.2	—	—	—

See footnotes at end of table.

Table 3-1. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1997—Continued

Occupational group 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									
4	\$13.10	10.2	35.1	\$13.10	10.2	35.1	—	—	—
5	13.38	6.2	40.0	14.04	7.4	40.0	—	—	—
6	15.69	7.1	41.8	15.69	7.1	41.8	—	—	—
7	18.42	4.4	40.0	18.37	4.5	40.0	—	—	—
8	20.50	2.6	38.9	20.41	2.6	39.8	—	—	—
9	22.58	6.4	41.2	22.58	6.4	41.2	—	—	—
Engineering technicians, n.e.c.	18.09	1.8	39.4	18.97	2.2	39.7	\$15.98	3.8	38.6
3	9.60	7.7	40.0	11.00	5.9	40.0	—	—	—
4	11.95	4.4	38.1	11.57	4.5	39.5	12.79	8.2	35.3
5	13.29	4.8	38.9	14.06	7.3	38.9	11.84	3.6	38.9
6	15.97	3.3	39.3	16.33	3.2	39.6	15.26	6.3	38.6
7	17.13	3.6	39.9	17.92	4.6	40.0	15.66	4.6	39.7
8	20.09	2.8	40.1	20.96	2.6	40.2	17.41	4.1	39.9
9	21.93	2.1	38.6	22.38	3.5	39.5	—	—	—
10	26.57	7.9	39.9	27.06	9.4	40.4	—	—	—
11	27.81	4.5	40.0	27.81	4.5	40.0	—	—	—
Drafters	16.58	2.1	39.5	16.46	2.2	39.5	17.58	7.0	39.1
3	9.05	7.0	39.2	9.05	7.0	39.2	—	—	—
4	11.52	7.2	38.2	11.61	7.4	38.1	—	—	—
5	13.80	3.5	38.8	13.80	3.7	39.0	—	—	—
6	16.05	3.4	40.0	15.92	3.0	39.9	—	—	—
7	17.69	3.4	39.7	17.09	3.1	39.8	20.13	4.2	39.6
8	18.17	2.5	40.4	18.06	2.5	40.5	—	—	—
9	23.81	5.2	38.8	23.96	5.2	38.8	—	—	—
10	27.33	6.0	41.3	27.33	6.0	41.3	—	—	—
11	29.07	5.0	39.9	29.07	5.0	39.9	—	—	—
Surveying and mapping technicians	15.44	5.7	39.7	16.03	9.2	40.3	14.77	5.9	39.1
5	12.54	6.1	39.3	12.97	9.6	40.0	12.16	7.6	38.7
6	18.41	13.9	40.4	18.85	16.3	40.5	—	—	—
7	16.38	5.7	39.3	17.94	5.3	40.0	15.57	8.0	38.9
8	19.19	13.9	40.9	20.00	15.2	41.2	—	—	—
Biological technicians	14.86	4.6	37.5	16.43	5.6	39.6	12.25	6.2	34.5
3	8.97	4.2	28.8	—	—	—	—	—	—
4	12.19	10.9	39.3	14.07	9.0	38.9	—	—	—
5	13.12	4.1	40.0	13.82	6.6	40.0	—	—	—
7	17.89	4.3	37.9	19.23	4.1	40.1	15.59	6.5	34.7
8	16.95	10.3	39.2	19.73	6.7	38.7	—	—	—
Chemical technicians	17.17	2.5	39.6	17.16	2.6	39.7	17.62	4.3	38.1
4	13.29	4.5	39.2	13.29	4.6	39.7	—	—	—
5	14.12	2.6	39.4	14.12	2.6	39.4	—	—	—
6	17.17	5.3	39.7	17.16	5.5	39.7	—	—	—
7	17.72	3.2	39.6	17.72	3.2	39.6	—	—	—
8	20.20	3.6	39.9	20.44	3.8	39.9	18.23	4.8	40.0
9	20.63	13.5	39.8	20.63	13.5	39.8	—	—	—
Science technicians, n.e.c.	17.15	4.6	37.2	17.69	4.8	38.0	14.81	3.3	34.2
4	13.52	5.1	37.0	13.99	4.5	40.0	—	—	—
5	16.11	3.7	36.6	16.06	3.8	37.3	—	—	—
6	17.60	10.0	38.9	18.53	10.0	39.6	13.94	6.9	36.5
7	17.28	6.2	37.9	17.72	7.7	37.6	15.89	4.3	39.0
8	17.42	5.0	39.4	17.77	5.5	39.3	15.84	8.7	40.0
9	20.38	6.2	39.6	20.31	6.3	39.6	—	—	—
Airplane pilots and navigators	64.41	9.3	24.3	64.98	9.4	24.2	—	—	—
7	33.98	21.9	31.6	33.98	21.9	31.6	—	—	—
8	24.45	7.3	30.4	24.45	7.3	30.4	—	—	—
9	45.12	12.1	24.0	46.62	12.0	23.4	—	—	—
10	70.40	19.3	26.4	70.40	19.3	26.4	—	—	—
11	100.30	7.2	20.5	100.30	7.2	20.5	—	—	—

See footnotes at end of table.

Table 3-1. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1997—Continued

Occupational group 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	\$17.09	12.4	36.1	\$17.11	13.1	36.0	\$16.74	13.1	38.5
2	6.24	2.3	26.2	6.24	2.3	26.2	—	—	—
3	6.94	9.3	20.8	6.94	9.3	20.8	—	—	—
4	10.27	7.4	37.8	10.32	7.6	37.8	—	—	—
6	18.44	21.5	38.5	19.28	22.4	38.6	—	—	—
7	16.05	3.1	37.2	16.05	3.1	37.2	—	—	—
8	17.19	11.6	39.6	—	—	—	—	—	—
9	23.76	7.0	39.1	23.79	7.0	39.1	—	—	—
Computer programmers	20.43	1.6	39.6	20.81	1.6	39.6	18.14	3.8	39.3
4	12.06	13.6	40.0	12.06	13.6	40.0	—	—	—
5	14.15	3.6	37.5	14.36	4.1	37.9	—	—	—
6	15.77	2.9	38.0	15.88	2.9	37.9	—	—	—
7	18.36	4.6	40.4	18.47	4.8	40.5	16.87	5.9	40.0
8	19.10	2.9	39.7	20.12	2.7	40.0	16.20	5.4	38.8
9	22.10	1.7	39.8	22.13	1.8	39.7	21.93	3.8	40.6
10	27.07	3.9	39.8	27.16	4.1	39.8	—	—	—
11	27.83	3.0	40.5	27.83	3.0	40.5	—	—	—
Not able to be leveled	18.43	5.7	39.0	19.99	16.1	37.6	—	—	—
Tool programmers, numerical control	17.13	6.5	39.9	17.13	6.5	39.9	—	—	—
7	15.75	2.2	40.0	15.75	2.2	40.0	—	—	—
8	20.37	9.7	38.6	20.37	9.7	38.6	—	—	—
Legal assistants	16.15	3.1	39.3	17.01	2.3	39.3	13.94	7.1	39.3
4	10.47	4.3	39.6	—	—	—	10.09	4.4	39.4
5	14.46	7.1	39.8	15.52	7.8	40.8	12.91	8.1	38.5
6	14.89	4.4	39.6	15.73	4.7	39.5	13.05	6.8	40.0
7	16.52	2.8	39.3	16.69	2.6	39.5	15.91	10.3	38.4
8	17.20	2.8	39.0	17.37	3.1	38.8	—	—	—
9	20.53	7.3	39.5	22.55	6.9	39.3	—	—	—
10	18.75	5.7	39.3	—	—	—	—	—	—
Technical and related, n.e.c.	17.36	2.7	38.5	18.00	3.4	39.0	15.40	4.4	36.8
2	8.57	4.3	31.8	7.99	4.6	26.6	—	—	—
3	9.51	9.9	35.3	9.55	10.5	37.0	—	—	—
4	10.82	7.5	38.5	10.79	9.1	38.2	10.94	9.3	39.6
5	12.58	3.7	37.9	12.98	3.6	38.9	11.68	4.1	35.6
6	14.69	3.2	37.7	14.68	3.2	39.3	14.74	8.2	34.0
7	17.59	2.9	38.7	17.56	3.7	39.3	17.66	4.4	37.3
8	18.32	3.4	39.4	19.36	3.5	39.6	16.17	5.1	38.9
9	22.26	3.5	39.8	22.62	4.1	39.9	20.70	.8	39.2
10	24.54	4.4	39.6	25.48	3.0	39.6	—	—	—
11	34.86	7.7	39.4	35.53	7.2	39.3	—	—	—
Not able to be leveled	19.24	8.6	35.5	18.64	10.2	38.4	22.48	15.2	25.1
Executive, administrative, and managerial	27.00	.9	40.1	27.86	.8	40.5	23.95	1.9	38.6
4	9.54	5.5	39.7	9.81	5.5	41.8	—	—	—
5	13.61	1.6	39.5	13.69	1.8	39.8	13.23	3.5	38.0
6	14.44	1.5	39.8	14.87	1.3	40.1	13.46	3.5	39.3
7	16.68	1.2	39.7	16.83	1.4	40.1	16.24	1.4	38.8
8	18.17	1.2	40.0	18.31	1.2	40.4	17.69	2.6	38.7
9	22.37	.8	40.0	22.60	.7	40.3	21.53	2.4	39.0
10	25.87	1.7	40.2	26.31	1.8	40.5	24.64	3.3	39.3
11	28.88	.9	40.3	29.03	.9	40.7	28.46	2.5	39.4
12	35.09	1.1	40.7	35.47	1.3	41.0	33.06	2.5	39.5
13	44.30	2.2	40.7	45.75	1.2	40.9	38.08	9.5	39.6
14	55.95	2.2	41.3	57.24	2.3	41.6	45.10	5.3	38.6
15	80.25	6.0	41.2	80.30	6.1	41.2	—	—	—
Not able to be leveled	35.14	4.8	37.2	37.72	5.9	39.9	27.71	3.8	31.1
Executives, administrators, and managers	30.85	1.0	40.4	31.73	1.0	40.9	27.64	1.8	38.5
4	8.36	16.6	33.1	—	—	—	—	—	—
5	12.56	3.7	39.8	12.66	4.2	40.6	11.88	5.7	35.4

See footnotes at end of table.

Table 3-1. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1997—Continued

Occupational group 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									
6	\$13.95	2.8	40.7	\$14.17	3.3	41.0	\$13.22	4.8	39.7
7	16.28	3.4	40.1	16.24	4.3	40.8	16.40	3.3	38.2
8	17.96	1.7	40.6	18.14	1.5	41.0	17.25	5.6	39.0
9	22.89	.9	40.4	22.94	1.0	40.7	22.68	2.1	39.0
10	26.77	2.0	40.4	27.12	2.2	40.6	25.62	3.7	39.9
11	29.44	.9	40.5	29.58	1.0	41.0	29.11	1.9	39.4
12	35.28	1.2	40.9	35.65	1.3	41.2	33.51	2.5	39.5
13	43.98	2.3	40.7	45.45	1.2	41.0	38.21	9.7	39.6
14	56.74	2.3	41.3	58.18	2.4	41.6	45.32	5.3	38.6
15	81.25	6.0	41.2	81.31	6.1	41.2	—	—	—
Not able to be leveled	38.43	6.2	36.8	41.87	7.5	40.2	29.10	4.4	30.0
Legislators	16.21	15.1	13.7	—	—	—	16.21	15.1	13.7
Not able to be leveled	16.21	15.1	13.7	—	—	—	16.21	15.1	13.7
Chief executives and general administrators, public administration	51.16	20.5	40.4	—	—	—	36.72	8.3	40.5
12	34.82	11.0	41.8	—	—	—	30.20	2.6	42.3
Administrators and officials, public administration	24.87	2.6	38.9	27.19	18.1	39.2	24.83	2.6	38.9
6	13.00	7.7	40.0	—	—	—	13.24	8.5	40.0
7	16.02	5.3	37.6	—	—	—	15.95	5.4	37.5
8	16.03	9.7	39.4	—	—	—	15.85	9.5	39.4
9	22.20	2.8	38.9	—	—	—	22.21	2.8	38.9
10	23.64	6.7	40.6	—	—	—	23.64	6.7	40.6
11	25.97	4.0	39.1	—	—	—	26.06	4.1	39.0
12	31.17	2.6	39.1	—	—	—	31.30	2.7	39.2
13	31.48	12.6	39.5	—	—	—	31.48	12.6	39.5
14	38.91	10.2	38.2	—	—	—	38.20	10.2	38.2
Not able to be leveled	32.77	3.8	37.2	—	—	—	32.20	3.4	37.2
Financial managers	32.44	2.3	40.4	32.35	2.5	40.5	33.40	4.1	39.6
5	13.11	12.5	43.0	13.11	12.5	43.0	—	—	—
6	13.76	7.1	39.3	13.76	7.1	39.3	—	—	—
7	16.44	4.4	40.2	16.44	4.5	40.2	—	—	—
8	18.08	3.1	39.4	18.03	3.1	39.4	—	—	—
9	22.30	2.3	40.0	22.33	2.3	40.1	21.75	8.5	39.8
10	27.28	2.6	40.6	27.58	2.6	40.7	—	—	—
11	30.16	2.4	40.8	30.37	2.5	41.0	28.63	6.9	39.5
12	35.03	2.5	40.5	35.57	2.6	40.6	29.33	3.5	39.6
13	44.92	3.9	40.1	43.50	3.4	40.2	—	—	—
14	62.56	8.0	41.2	63.10	8.1	41.5	—	—	—
15	84.87	6.9	40.0	84.87	6.9	40.0	—	—	—
Not able to be leveled	39.88	13.6	40.5	39.86	13.6	40.5	—	—	—
Personnel and labor relations managers	31.39	3.3	40.8	31.51	3.7	40.9	30.37	5.7	40.1
7	15.49	5.5	40.3	15.66	6.0	40.3	—	—	—
8	17.61	3.5	40.3	17.69	3.6	40.6	—	—	—
9	21.65	2.7	40.2	21.41	2.6	40.2	23.56	10.2	40.3
10	28.39	4.4	40.1	27.93	5.0	40.1	—	—	—
11	29.60	3.9	42.1	28.43	3.8	42.4	36.27	4.8	40.1
12	35.72	2.8	40.4	36.23	2.9	40.3	30.88	7.2	41.0
13	46.09	3.7	43.0	46.94	3.9	43.7	—	—	—
14	63.74	5.8	38.9	64.40	5.7	38.5	—	—	—
Not able to be leveled	36.75	9.2	40.5	36.75	9.2	40.5	—	—	—
Purchasing managers	29.43	4.1	41.0	29.82	4.2	41.1	24.01	13.4	39.6
7	15.30	2.5	40.0	—	—	—	—	—	—
8	15.55	8.9	43.3	15.57	10.4	43.9	—	—	—
9	21.84	3.8	40.6	22.05	3.9	40.7	—	—	—
10	32.68	2.6	40.0	32.68	2.6	40.0	—	—	—
11	29.25	2.4	40.2	29.16	2.9	40.3	—	—	—

See footnotes at end of table.

Table 3-1. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1997—Continued

Occupational group 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									
Purchasing managers—Continued									
12	\$34.80	3.5	42.2	\$34.89	3.5	42.3	—	—	—
13	45.82	3.9	40.0	45.82	3.9	40.0	—	—	—
14	56.20	7.4	40.0	—	—	—	—	—	—
Managers, marketing, advertising, and public relations							\$26.21	9.2	39.6
7	34.87	2.0	41.0	34.94	2.0	41.0	—	—	—
8	16.72	4.5	40.0	16.25	4.3	40.0	—	—	—
9	17.49	4.4	40.3	17.51	4.5	40.4	—	—	—
10	24.44	2.6	40.5	24.44	2.6	40.5	—	—	—
11	27.07	5.8	40.9	27.07	5.8	40.9	—	—	—
12	31.10	5.5	40.9	31.15	5.5	40.9	—	—	—
13	38.61	2.2	41.0	38.65	2.2	41.1	—	—	—
14	43.54	2.1	41.6	43.54	2.1	41.6	—	—	—
15	55.03	6.0	42.6	55.03	6.0	42.6	—	—	—
Not able to be leveled	69.00	10.9	40.0	69.00	10.9	40.0	—	—	—
Administrators, education and related fields	38.90	9.5	41.3	38.90	9.5	41.3	—	—	—
6	30.10	1.9	39.0	24.81	3.9	38.9	31.67	2.1	39.1
7	13.94	13.1	34.1	11.96	8.0	32.8	—	—	—
8	15.77	4.6	35.9	14.15	3.4	36.3	18.61	6.9	35.2
9	18.09	4.4	38.5	15.42	4.0	39.3	20.96	5.1	37.7
10	24.38	5.6	38.4	21.41	2.0	37.3	25.50	8.0	38.8
11	27.92	4.2	39.3	19.80	7.4	40.2	29.58	4.3	39.2
12	30.17	2.1	39.3	23.22	3.9	39.3	31.14	2.2	39.3
13	34.63	3.8	39.3	31.71	6.1	40.4	35.21	4.2	39.1
14	39.50	4.0	39.0	39.37	8.6	38.5	39.54	4.5	39.2
Not able to be leveled	48.33	7.1	43.5	49.90	12.2	45.2	46.80	5.2	41.9
Managers, medicine and health	36.38	12.6	39.8	—	—	—	37.28	13.1	39.9
5	28.57	2.3	39.5	29.12	2.4	39.4	26.09	7.7	39.6
7	14.71	15.7	33.5	—	—	—	—	—	—
8	16.54	9.5	39.7	16.68	11.3	39.6	—	—	—
9	17.45	6.8	39.4	18.79	2.9	39.5	13.88	15.2	39.3
10	22.08	2.3	39.1	22.34	2.8	39.0	21.00	1.9	39.5
11	24.87	3.3	40.1	24.99	3.4	40.1	22.63	5.4	38.9
12	26.88	2.4	39.6	27.35	2.4	39.6	24.23	3.1	39.7
13	33.11	2.3	39.4	33.53	2.4	39.2	31.57	6.4	40.2
14	43.45	3.8	38.6	42.56	4.6	38.6	47.95	13.2	38.4
Not able to be leveled	51.03	9.0	41.8	49.72	11.0	42.4	56.09	4.5	39.6
Managers, food servicing and lodging establishments	46.14	19.1	40.2	52.87	20.6	40.1	—	—	—
5	16.93	3.2	43.0	16.96	3.5	43.5	16.61	9.6	38.9
6	10.69	5.2	42.0	10.50	5.9	42.8	—	—	—
7	12.82	3.6	42.5	12.78	4.8	43.4	—	—	—
8	14.33	4.1	42.6	13.89	2.6	43.2	—	—	—
9	14.85	4.1	43.8	14.82	4.2	44.0	—	—	—
10	19.44	4.6	44.3	19.10	4.6	44.5	—	—	—
11	23.88	6.5	43.0	23.80	6.7	43.6	—	—	—
12	28.51	6.8	42.9	28.51	6.8	42.9	—	—	—
Managers, properties and real estate	28.31	10.3	40.2	27.81	11.3	40.6	—	—	—
7	25.79	8.5	40.4	26.48	9.2	40.6	21.24	5.8	39.2
8	12.63	5.8	40.6	—	—	—	—	—	—
9	20.00	10.1	40.0	20.12	10.1	40.0	—	—	—
11	21.05	5.4	39.9	21.36	8.4	39.8	—	—	—
12	29.74	8.9	39.8	30.07	9.6	40.0	—	—	—
Managers, service organizations, n.e.c.	43.71	8.5	40.6	45.73	7.0	41.4	—	—	—
5	24.44	5.0	39.6	25.57	4.9	39.9	18.51	4.9	38.2
6	10.59	5.3	35.2	11.39	4.1	36.9	—	—	—
	11.45	5.0	39.0	11.35	8.7	39.5	11.57	4.1	38.4

See footnotes at end of table.

Table 3-1. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1997—Continued

Occupational group 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, service organizations, n.e.c.									
—Continued									
7	\$13.56	3.1	41.3	\$13.87	3.9	42.2	\$12.53	3.8	38.5
8	16.77	4.1	39.7	16.66	4.8	39.7	17.52	2.3	39.3
9	21.86	5.6	38.8	23.18	6.5	39.4	18.41	6.0	37.4
10	20.46	7.3	40.6	19.83	10.1	40.9	22.06	5.5	40.0
11	25.41	5.3	39.4	25.24	6.4	39.5	26.17	6.9	38.8
12	—	—	—	—	—	—	27.65	2.9	40.0
13	49.62	11.7	36.8	49.62	11.7	36.8	—	—	—
14	61.36	7.8	36.7	61.95	7.9	36.6	—	—	—
Not able to be leveled	47.88	34.4	37.0	47.88	34.4	37.0	—	—	—
Managers and administrators, n.e.c.	33.00	1.3	41.2	33.42	1.4	41.3	27.23	4.4	39.4
5	14.15	5.9	41.2	14.19	6.1	41.3	—	—	—
6	15.96	6.0	42.1	16.12	6.1	42.2	—	—	—
7	17.72	6.2	40.7	17.71	7.0	40.9	17.77	9.0	39.4
8	19.70	2.5	41.2	19.89	2.6	41.4	18.28	7.4	39.7
9	23.43	1.3	41.2	23.54	1.4	41.3	22.08	4.2	39.8
10	27.84	3.3	40.4	27.99	3.3	40.5	21.58	3.4	38.6
11	30.16	1.1	41.3	30.24	1.2	41.4	29.28	4.1	40.5
12	35.85	1.5	41.7	35.93	1.6	41.8	34.41	2.0	40.4
13	46.40	1.7	41.4	46.83	1.8	41.4	37.56	3.3	41.8
14	57.61	2.6	41.4	57.92	2.7	41.7	51.52	3.8	36.6
15	79.71	7.6	41.8	79.77	7.7	41.8	—	—	—
Not able to be leveled	40.43	11.0	39.6	42.11	11.3	40.1	22.98	13.4	34.4
Management related	20.97	1.0	39.6	21.69	.9	39.8	18.51	2.0	38.8
4	9.89	6.6	42.3	9.89	6.6	42.3	—	—	—
5	13.88	1.6	39.4	13.98	1.7	39.6	13.48	4.0	38.5
6	14.57	1.7	39.6	15.09	1.4	39.8	13.50	4.0	39.3
7	16.89	1.6	39.5	17.14	2.0	39.7	16.16	1.7	39.0
8	18.31	2.7	39.6	18.42	3.6	40.0	17.93	2.3	38.6
9	21.75	1.2	39.6	22.18	.8	39.8	20.28	3.5	39.0
10	24.15	2.5	39.7	24.55	2.3	40.2	23.30	5.6	38.6
11	27.11	2.9	39.8	27.58	3.0	39.8	24.44	5.3	39.5
12	33.82	3.3	39.9	34.43	3.4	39.8	26.68	2.8	40.7
13	47.56	5.9	40.1	48.25	5.7	40.1	—	—	—
14	44.64	5.4	41.0	44.99	5.6	41.1	—	—	—
Not able to be leveled	26.92	8.3	38.0	27.91	9.8	39.0	23.54	8.4	35.0
Accountants and auditors	19.74	2.5	39.5	20.19	2.9	39.7	17.79	3.2	38.9
5	14.45	2.7	39.5	14.43	2.4	39.7	14.51	9.0	38.5
6	15.13	4.5	39.8	15.87	3.3	39.9	13.73	7.9	39.7
7	16.84	1.5	39.4	16.92	1.6	39.5	16.35	3.3	39.1
8	16.48	6.5	39.7	16.39	7.6	39.7	16.95	2.1	39.8
9	20.68	1.8	39.5	20.96	1.2	39.8	19.66	5.8	38.2
10	24.24	3.5	39.6	24.24	4.4	39.9	24.23	4.5	38.5
11	26.35	2.6	39.3	26.35	2.7	39.4	26.37	5.2	38.2
12	34.69	4.0	39.5	35.61	3.6	39.5	—	—	—
13	43.47	15.2	39.5	48.63	10.0	39.4	—	—	—
Not able to be leveled	25.54	9.4	42.1	26.23	10.9	42.6	—	—	—
Underwriters	23.28	10.7	39.5	23.28	10.7	39.5	—	—	—
5	13.51	6.1	38.6	13.51	6.1	38.6	—	—	—
6	14.53	4.6	40.0	14.53	4.6	40.0	—	—	—
7	16.39	7.4	38.7	16.39	7.4	38.7	—	—	—
8	18.29	3.9	40.7	18.29	3.9	40.7	—	—	—
9	23.18	4.5	39.2	23.18	4.5	39.2	—	—	—
10	20.60	5.2	39.2	20.60	5.2	39.2	—	—	—
11	26.01	3.9	41.3	26.01	3.9	41.3	—	—	—
12	35.70	12.7	38.9	35.70	12.7	38.9	—	—	—

See footnotes at end of table.

Table 3-1. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1997—Continued

Occupational group 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									
Other financial officers	\$23.54	2.9	39.8	\$23.71	3.2	40.0	\$22.05	6.4	38.4
5	13.57	4.4	39.4	13.63	4.6	39.4	—	—	—
6	14.76	3.5	39.7	14.75	3.5	39.7	—	—	—
7	16.42	2.2	39.8	16.27	2.5	39.9	17.41	3.5	38.7
8	19.37	4.1	39.7	19.73	4.5	39.7	16.74	5.5	39.4
9	21.66	2.2	39.9	21.70	2.4	40.0	21.27	5.0	39.2
10	24.13	4.6	38.8	23.02	6.4	41.8	—	—	—
11	26.06	3.6	40.0	26.07	3.7	40.0	—	—	—
12	33.88	10.1	40.2	35.15	11.3	40.0	—	—	—
13	49.09	14.3	39.7	49.09	14.3	39.7	—	—	—
14	51.48	8.9	41.9	51.48	8.9	41.9	—	—	—
Not able to be leveled	32.49	30.7	40.0	32.56	30.7	40.0	—	—	—
Management analysts	23.65	3.6	39.9	24.75	2.5	40.1	19.62	6.2	39.2
5	18.24	6.6	40.0	18.24	6.6	40.0	—	—	—
6	14.90	4.8	39.4	14.77	5.1	40.0	—	—	—
7	16.91	4.2	40.1	16.92	4.6	40.2	—	—	—
8	21.90	5.4	39.8	22.08	5.3	40.0	—	—	—
9	23.31	2.5	40.0	23.75	2.4	40.1	20.85	9.0	39.7
10	21.26	12.2	40.1	26.43	4.4	41.1	17.29	5.6	39.4
11	24.92	9.6	39.7	29.85	4.2	39.9	20.98	7.7	39.5
12	34.34	3.6	39.0	34.41	3.7	39.1	—	—	—
13	44.04	2.8	43.8	44.04	2.8	43.8	—	—	—
14	45.36	4.0	44.1	45.36	4.0	44.1	—	—	—
Not able to be leveled	26.93	15.9	39.0	26.93	15.9	39.0	—	—	—
Personnel, training, and labor relations specialists	19.96	1.6	39.7	20.57	1.8	39.9	17.71	2.9	39.1
5	13.26	5.2	39.6	13.16	6.4	39.8	13.65	7.1	38.8
6	14.19	3.6	39.4	14.64	3.9	39.5	13.54	6.0	39.2
7	16.17	3.0	39.6	16.26	3.7	40.1	15.96	4.8	38.5
8	17.97	3.3	40.2	18.16	3.8	40.3	16.71	3.4	39.5
9	22.27	1.8	39.7	22.84	1.9	39.6	20.08	3.8	40.0
10	24.75	2.6	39.7	24.89	1.6	39.8	24.48	7.0	39.5
11	26.56	3.4	39.9	26.65	3.6	39.9	—	—	—
12	32.14	3.1	38.7	32.62	2.9	38.6	—	—	—
Not able to be leveled	21.83	11.4	37.7	22.48	11.9	39.7	—	—	—
Purchasing agents and buyers, farm products ..	19.68	4.8	39.9	20.13	4.4	39.9	—	—	—
9	22.20	3.1	39.9	22.34	3.1	39.9	—	—	—
Buyers, wholesale and retail trade, except farm products	23.08	7.5	40.6	23.11	7.7	40.6	—	—	—
5	13.18	6.3	40.6	13.18	6.3	40.6	—	—	—
6	13.62	5.6	40.2	13.58	5.7	40.2	—	—	—
7	17.65	6.6	39.6	17.65	6.6	39.6	—	—	—
8	30.32	31.6	41.4	30.64	31.9	41.4	—	—	—
9	24.06	4.7	41.0	24.09	4.7	41.0	—	—	—
11	25.66	3.2	40.8	25.62	3.6	40.9	—	—	—
Purchasing agents and buyers, n.e.c.	20.05	4.0	39.9	21.22	2.4	39.9	14.74	9.7	39.9
5	13.99	4.7	39.7	13.99	4.7	39.7	—	—	—
6	12.70	11.0	40.2	14.71	5.6	40.4	11.14	13.5	40.0
7	16.95	4.1	39.6	17.61	3.0	39.5	13.68	2.1	39.9
8	17.85	2.6	40.1	17.77	2.9	40.2	18.21	5.5	40.0
9	20.22	5.9	40.1	21.77	2.2	40.2	16.31	10.2	39.9
10	26.80	8.1	39.2	27.00	8.2	39.1	—	—	—
11	29.40	9.4	40.0	29.41	9.5	40.0	—	—	—
12	31.78	5.4	39.9	31.78	5.4	39.9	—	—	—
Not able to be leveled	21.02	12.3	40.0	21.02	12.3	40.0	—	—	—
Business and promotional agents	18.58	7.8	39.6	19.93	8.4	39.5	—	—	—
9	18.48	4.9	39.6	19.12	5.4	39.4	—	—	—
Construction inspectors	19.54	3.9	39.4	21.34	8.2	40.9	19.01	4.5	38.9

See footnotes at end of table.

Table 3-1. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1997—Continued

Occupational group 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									
Construction inspectors—Continued									
5	\$14.49	8.9	40.0	—	—	—	\$13.96	13.0	40.0
6	14.61	4.8	40.5	—	—	—	15.25	5.5	39.6
7	17.98	3.9	39.8	\$20.63	7.1	41.8	17.41	4.1	39.4
8	20.57	7.7	38.0	—	—	—	19.18	7.2	37.6
9	23.16	4.3	39.5	—	—	—	23.47	4.2	39.3
Inspectors and compliance officers, except construction									
5	18.70	3.2	39.1	21.42	4.2	40.3	17.40	4.1	38.5
6	13.56	6.3	40.7	—	—	—	13.68	8.2	39.3
7	13.76	4.5	39.9	15.66	6.6	39.7	13.17	3.2	40.0
8	15.43	3.3	38.6	16.18	5.6	39.8	15.18	4.0	38.3
9	17.60	3.8	38.0	17.86	5.8	40.1	17.56	4.4	37.6
10	21.59	2.7	39.3	23.73	3.2	39.2	19.79	3.6	39.4
11	21.68	10.2	42.5	20.18	12.7	44.2	—	—	—
12	25.83	3.9	39.9	26.73	8.5	40.5	25.39	3.9	39.6
Management related, n.e.c.									
5	21.37	1.1	39.3	21.89	1.3	39.6	19.78	2.7	38.5
6	13.15	2.3	38.8	13.41	2.7	39.2	12.18	3.6	37.1
7	15.06	2.5	38.9	15.26	2.6	39.4	14.31	5.9	37.2
8	17.58	4.4	39.6	18.01	5.4	39.6	16.48	3.0	39.4
9	18.74	2.1	39.4	18.66	1.8	39.8	18.93	5.4	38.3
10	22.19	1.2	39.3	22.44	1.4	39.5	21.41	2.6	38.5
11	24.85	2.0	39.6	24.83	2.7	39.4	24.90	2.9	40.0
12	29.43	4.4	39.6	30.05	4.9	39.6	26.94	3.6	39.8
13	33.14	2.8	40.5	33.25	2.9	40.5	—	—	—
14	38.53	5.8	40.4	39.72	6.5	40.4	—	—	—
Not able to be leveled	23.57	4.9	37.4	23.49	5.3	38.1	23.73	9.8	36.2
Sales									
1	12.78	3.5	33.0	12.80	3.5	33.0	11.13	4.7	33.1
2	6.20	.9	25.5	6.20	.9	25.5	6.32	6.2	24.1
3	6.90	1.4	26.1	6.88	1.5	26.1	8.72	12.6	26.9
4	8.05	1.8	31.6	8.02	1.8	31.5	10.24	7.9	33.4
5	10.16	1.6	34.4	10.15	1.6	34.3	11.40	4.7	39.4
6	13.76	2.1	38.7	13.77	2.1	38.6	12.81	9.0	39.9
7	16.48	2.7	41.0	16.50	2.7	41.0	—	—	—
8	19.90	5.9	41.2	19.98	5.9	41.2	14.90	4.7	40.0
9	21.30	2.5	40.4	21.32	2.5	40.5	—	—	—
10	26.98	5.2	41.1	27.03	5.2	41.1	—	—	—
11	27.97	5.2	40.5	28.05	5.2	40.5	—	—	—
12	35.95	4.5	41.4	36.06	4.5	41.5	—	—	—
13	49.57	8.2	40.4	49.57	8.2	40.4	—	—	—
14	109.40	21.4	41.4	109.40	21.4	41.4	—	—	—
Not able to be leveled	19.75	9.4	36.4	19.75	9.4	36.4	—	—	—
Supervisors, sales									
3	18.23	2.3	40.8	18.27	2.3	40.8	13.99	6.2	36.6
4	8.16	7.2	38.4	8.16	7.2	38.4	—	—	—
5	9.32	3.2	37.3	9.31	3.2	37.3	—	—	—
6	12.36	1.8	41.3	12.31	1.9	41.3	—	—	—
7	16.52	8.7	41.7	16.53	8.7	41.7	—	—	—
8	16.80	4.4	41.5	16.79	4.5	41.5	—	—	—
9	18.42	2.5	41.4	18.46	2.6	41.6	—	—	—
10	23.37	5.1	42.2	23.39	5.1	42.2	—	—	—
11	28.80	6.8	41.4	28.80	6.8	41.4	—	—	—
12	30.15	4.6	42.2	30.15	4.6	42.2	—	—	—
13	38.06	5.0	42.0	38.06	5.0	42.0	—	—	—
Not able to be leveled	23.92	14.2	39.7	23.92	14.2	39.7	—	—	—
Insurance sales									
4	22.44	9.0	36.9	23.00	9.3	36.6	—	—	—
5	11.12	6.5	37.0	11.12	6.5	37.0	—	—	—
6	13.41	5.4	34.2	13.41	5.4	34.2	—	—	—
7	14.92	23.6	44.9	14.92	23.6	44.9	—	—	—

See footnotes at end of table.

Table 3-1. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1997—Continued

Occupational group 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									
Insurance sales—Continued									
7	\$19.19	14.6	38.5	\$23.13	10.0	37.4	—	—	—
8	23.40	14.6	39.9	23.40	14.6	39.9	—	—	—
9	26.10	10.8	39.2	26.10	10.8	39.2	—	—	—
10	26.76	11.6	39.0	28.23	12.7	38.8	—	—	—
11	41.18	22.6	39.6	41.18	22.6	39.6	—	—	—
Real estate sales	33.95	21.9	40.3	35.37	22.1	40.5	\$18.25	14.8	38.2
4	9.34	2.8	36.5	9.37	2.9	36.2	—	—	—
6	17.64	24.3	39.0	—	—	—	—	—	—
7	22.85	17.4	39.0	23.03	17.7	39.0	—	—	—
8	29.24	17.5	40.5	29.54	17.9	40.5	—	—	—
Securities and financial services sales	34.66	11.8	38.8	34.66	11.8	38.8	—	—	—
4	10.29	3.5	37.9	10.29	3.5	37.9	—	—	—
5	12.49	4.5	39.2	12.49	4.5	39.2	—	—	—
6	13.73	4.1	39.7	13.73	4.1	39.7	—	—	—
7	40.15	40.2	39.5	40.15	40.2	39.5	—	—	—
9	52.04	35.2	39.7	52.04	35.2	39.7	—	—	—
10	40.05	22.5	42.0	40.05	22.5	42.0	—	—	—
11	50.92	13.8	41.8	50.92	13.8	41.8	—	—	—
12	55.98	10.8	39.9	55.98	10.8	39.9	—	—	—
Advertising and related sales	17.87	9.3	37.8	17.86	9.3	37.8	—	—	—
4	8.77	6.7	31.3	8.77	6.7	31.3	—	—	—
5	11.97	12.1	37.3	11.97	12.1	37.3	—	—	—
6	14.85	5.6	38.9	14.86	5.6	38.9	—	—	—
7	21.66	11.0	40.0	21.66	11.0	40.0	—	—	—
8	21.37	5.5	40.3	21.37	5.5	40.3	—	—	—
9	24.97	12.9	40.2	25.58	13.5	40.2	—	—	—
10	26.87	6.2	39.4	26.87	6.2	39.4	—	—	—
11	31.70	11.9	40.1	31.70	11.9	40.1	—	—	—
12	44.97	12.9	38.4	44.97	12.9	38.4	—	—	—
Sales, other business services	19.44	8.7	36.6	19.48	8.7	36.6	—	—	—
2	10.05	8.1	36.7	10.05	8.1	36.7	—	—	—
3	10.20	8.0	26.2	10.20	8.0	26.2	—	—	—
4	11.53	9.0	34.4	11.53	9.0	34.4	—	—	—
5	13.99	4.1	39.0	14.15	4.0	39.0	—	—	—
6	16.40	4.1	39.9	16.40	4.1	39.9	—	—	—
7	19.66	4.8	40.7	19.66	4.8	40.7	—	—	—
8	24.01	8.6	40.4	24.02	8.7	40.4	—	—	—
9	26.65	5.7	40.2	26.65	5.7	40.2	—	—	—
10	26.06	10.0	40.3	26.06	10.0	40.3	—	—	—
11	40.93	13.3	38.9	40.93	13.3	38.9	—	—	—
Not able to be leveled	15.03	18.3	31.5	15.03	18.3	31.5	—	—	—
Sales engineers	27.60	5.5	41.5	27.60	5.5	41.5	—	—	—
7	19.49	11.8	40.9	19.49	11.8	40.9	—	—	—
8	28.14	3.2	40.0	28.14	3.2	40.0	—	—	—
9	22.32	3.6	43.0	22.32	3.6	43.0	—	—	—
10	29.03	7.9	40.0	29.03	7.9	40.0	—	—	—
11	31.64	9.8	41.4	31.64	9.8	41.4	—	—	—
Sales representatives, mining, manufacturing, and wholesale	23.54	3.3	41.0	23.54	3.3	41.0	—	—	—
4	13.98	11.2	41.2	13.98	11.2	41.2	—	—	—
5	18.17	13.2	41.5	18.17	13.2	41.5	—	—	—
6	18.84	8.4	40.5	18.84	8.4	40.5	—	—	—
7	19.97	6.0	42.0	19.97	6.0	42.0	—	—	—
8	23.88	6.9	40.8	23.88	6.9	40.8	—	—	—
9	28.47	4.8	40.9	28.47	4.8	40.9	—	—	—
10	25.63	12.7	39.8	25.63	12.7	39.8	—	—	—
11	34.52	3.8	41.1	34.52	3.8	41.1	—	—	—
12	41.55	3.9	41.0	41.55	3.9	41.0	—	—	—
Sales workers, motor vehicles and boats	16.89	3.6	44.0	16.89	3.6	44.0	—	—	—

See footnotes at end of table.

Table 3-1. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1997—Continued

Occupational group 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, motor vehicles and boats—Continued									
2	\$13.12	6.6	30.1	\$13.12	6.6	30.1	—	—	—
3	14.82	4.9	43.4	14.82	4.9	43.4	—	—	—
4	15.56	6.3	45.7	15.56	6.3	45.7	—	—	—
5	15.02	4.3	44.7	15.02	4.3	44.7	—	—	—
6	19.95	10.7	44.3	19.95	10.7	44.3	—	—	—
7	18.40	6.9	41.7	18.40	6.9	41.7	—	—	—
8	22.40	8.1	42.3	22.40	8.1	42.3	—	—	—
Sales workers, apparel	8.10	3.9	26.4	8.10	3.9	26.4	—	—	—
2	6.52	2.3	32.2	6.52	2.3	32.2	—	—	—
3	7.90	4.5	25.0	7.90	4.5	25.0	—	—	—
4	9.55	10.8	23.6	9.55	10.8	23.6	—	—	—
5	18.12	14.1	32.3	18.12	14.1	32.3	—	—	—
Sales workers, shoes	10.03	10.1	28.9	10.03	10.1	28.9	—	—	—
3	10.11	16.4	24.5	10.11	16.4	24.5	—	—	—
4	10.99	12.4	38.4	10.99	12.4	38.4	—	—	—
Sales workers, furniture and home furnishings ..	10.29	9.3	30.2	10.29	9.3	30.2	—	—	—
1	6.30	10.6	23.1	6.30	10.6	23.1	—	—	—
2	7.00	4.4	37.1	7.00	4.4	37.1	—	—	—
3	6.97	7.3	25.0	6.97	7.3	25.0	—	—	—
4	13.44	8.2	35.5	13.44	8.2	35.5	—	—	—
5	14.85	10.5	37.4	14.85	10.5	37.4	—	—	—
Sales workers, radio, tv, hi-fi, and appliances ...	11.14	6.3	37.2	11.14	6.3	37.2	—	—	—
1	6.34	3.3	32.5	6.34	3.3	32.5	—	—	—
2	7.45	7.7	40.3	7.45	7.7	40.3	—	—	—
3	9.31	11.2	36.5	9.31	11.2	36.5	—	—	—
4	14.03	9.7	34.1	14.03	9.7	34.1	—	—	—
5	14.21	9.4	42.1	14.21	9.4	42.1	—	—	—
Sales workers, hardware and building supplies	10.56	5.9	37.2	10.56	5.9	37.2	—	—	—
2	6.73	4.7	31.2	6.73	4.7	31.2	—	—	—
3	7.20	2.9	35.7	7.20	2.9	35.7	—	—	—
4	10.01	3.6	37.3	10.01	3.6	37.3	—	—	—
5	12.42	3.6	41.2	12.42	3.6	41.2	—	—	—
Sales workers, parts	14.10	6.2	39.0	14.10	6.2	39.0	—	—	—
3	8.47	7.5	32.6	8.47	7.5	32.6	—	—	—
4	13.53	5.5	40.7	13.53	5.5	40.7	—	—	—
5	17.73	10.2	40.1	17.73	10.2	40.1	—	—	—
8	17.41	5.4	40.0	17.41	5.4	40.0	—	—	—
Sales workers, other commodities	10.05	4.3	30.3	10.06	4.3	30.3	\$8.35	14.2	31.1
1	6.15	2.6	25.3	6.16	2.6	25.3	—	—	—
2	6.89	2.3	26.1	6.89	2.3	26.1	—	—	—
3	7.84	2.5	29.6	7.83	2.6	29.5	—	—	—
4	8.24	1.9	31.4	8.23	1.9	31.4	—	—	—
6	17.34	8.4	42.5	17.34	8.4	42.5	—	—	—
7	20.75	9.2	40.1	20.82	9.2	40.1	—	—	—
8	24.63	12.9	39.9	24.63	12.9	39.9	—	—	—
9	36.50	20.4	40.9	36.50	20.4	40.9	—	—	—
11	36.05	10.2	41.3	36.05	10.2	41.3	—	—	—
Sales counter clerks	7.88	3.1	28.9	7.86	3.1	29.0	—	—	—
1	5.70	1.9	23.8	5.70	1.9	23.8	—	—	—
2	6.86	5.6	26.2	6.86	5.6	26.4	—	—	—
3	7.62	4.4	29.7	7.62	4.4	29.7	—	—	—
4	10.32	4.6	35.3	10.29	4.7	35.3	—	—	—
5	11.17	6.9	39.7	11.23	7.6	39.6	—	—	—
Cashiers	7.63	1.7	30.0	7.57	1.8	30.0	10.00	5.6	32.1
1	6.15	.7	25.4	6.14	.7	25.4	6.52	6.7	25.0
2	6.83	2.4	25.5	6.79	2.4	25.4	8.81	12.9	28.7
3	7.84	2.0	33.4	7.77	2.3	33.4	10.45	8.0	33.2
4	10.45	2.7	34.1	10.42	2.8	33.9	11.23	5.7	39.2

See footnotes at end of table.

Table 3-1. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1997—Continued

Occupational group 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									
Cashiers—Continued									
5	\$13.10	5.8	35.1	\$12.79	6.5	34.6	—	—	—
6	15.05	2.8	35.7	15.05	2.8	35.7	—	—	—
Street and door-to-door sales workers	15.71	23.8	27.8	15.71	23.8	27.8	—	—	—
4	9.58	5.1	33.1	9.58	5.1	33.1	—	—	—
News vendors	7.09	8.0	16.7	7.09	8.0	16.7	—	—	—
3	6.67	10.3	20.6	6.67	10.3	20.6	—	—	—
Demonstrators, promoters, and models, sales ..	8.70	6.5	22.3	8.70	6.5	22.3	—	—	—
1	6.37	4.1	19.0	6.38	4.1	19.1	—	—	—
2	6.93	1.0	17.6	6.93	1.0	17.6	—	—	—
3	7.86	11.5	24.8	7.86	11.5	24.8	—	—	—
Sales support, n.e.c.	11.55	5.5	36.5	11.55	5.5	36.5	—	—	—
1	6.49	3.9	27.2	6.49	3.9	27.2	—	—	—
2	6.73	3.2	29.2	6.73	3.2	29.2	—	—	—
3	7.44	8.4	34.3	7.44	8.4	34.3	—	—	—
4	9.70	6.3	37.5	9.70	6.3	37.5	—	—	—
5	12.77	4.4	39.4	12.76	4.4	39.4	—	—	—
6	13.53	4.7	40.6	13.53	4.7	40.6	—	—	—
7	17.88	7.9	41.6	17.88	7.9	41.6	—	—	—
8	18.16	4.3	39.9	18.16	4.3	39.9	—	—	—
9	23.52	6.6	38.0	23.52	6.6	38.0	—	—	—
Not able to be leveled	13.62	13.7	35.4	13.62	13.7	35.4	—	—	—
Administrative support, including clerical	11.53	.6	36.9	11.54	.7	37.1	\$11.50	0.9	36.3
1	6.97	1.6	29.4	6.94	1.9	29.6	7.08	2.8	28.2
2	8.46	1.1	34.0	8.50	1.3	34.3	8.29	1.2	32.7
3	9.33	.7	35.7	9.24	.7	35.9	9.61	1.3	35.3
4	11.04	.8	37.8	11.04	.9	37.9	11.02	1.1	37.2
5	12.93	.7	38.5	12.92	.8	38.8	12.97	1.1	37.6
6	14.22	.6	38.9	14.48	.7	39.2	13.44	1.1	38.2
7	16.55	.8	39.2	16.71	.7	39.2	16.03	2.0	38.9
8	18.33	2.3	39.8	18.71	2.1	39.8	16.58	5.9	39.5
9	20.96	2.1	39.6	20.97	2.4	39.6	20.89	3.1	39.6
10	24.41	3.7	39.9	24.41	3.7	39.9	—	—	—
11	30.58	7.6	38.0	30.89	8.0	38.2	—	—	—
12	29.51	4.0	40.1	—	—	—	—	—	—
Not able to be leveled	13.53	3.1	36.4	12.82	3.4	36.8	14.83	5.8	35.7
Supervisors, general office	15.95	1.5	39.6	16.13	1.8	39.7	15.55	2.4	39.3
4	10.03	6.3	39.5	9.78	6.8	39.5	—	—	—
5	13.15	4.4	39.5	12.77	4.8	39.7	14.46	8.0	39.0
6	13.66	2.8	39.7	13.68	3.3	39.9	13.62	5.1	39.4
7	15.81	1.9	39.5	15.54	2.3	39.8	16.13	3.0	39.3
8	16.79	3.4	39.7	17.45	2.3	39.8	15.20	5.2	39.6
9	20.54	2.7	40.0	20.52	3.1	39.9	20.61	2.9	40.6
11	24.92	10.8	37.6	24.71	12.7	38.2	—	—	—
Not able to be leveled	16.94	10.0	38.6	18.18	11.2	38.4	—	—	—
Supervisors, computer equipment operators	20.73	4.7	39.6	20.37	6.1	39.8	21.91	3.1	39.0
5	17.64	8.2	39.4	17.64	8.2	39.4	—	—	—
6	17.43	3.3	38.1	17.46	3.3	38.1	—	—	—
7	19.59	6.7	40.4	19.59	6.7	40.4	—	—	—
8	18.01	10.3	39.2	17.93	12.4	39.3	—	—	—
9	21.88	6.7	40.4	21.54	10.9	41.0	—	—	—
Supervisors, financial records processing	17.47	1.9	39.6	17.63	2.0	39.8	15.72	5.1	38.4
5	14.56	3.2	40.1	14.58	3.4	40.1	—	—	—
6	14.32	3.3	40.0	14.46	3.2	39.9	—	—	—
7	16.40	2.7	39.4	16.65	2.6	39.5	14.12	6.4	38.4
8	17.55	2.2	40.0	17.45	2.3	40.3	—	—	—
9	21.28	3.9	39.4	21.72	4.1	39.6	—	—	—
10	23.98	5.4	39.0	23.98	5.4	39.0	—	—	—
11	30.79	5.5	38.9	30.79	5.5	38.9	—	—	—

See footnotes at end of table.

Table 3-1. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1997—Continued

Occupational group 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									
Chief communications operators	\$16.65	6.3	40.5	\$18.09	7.3	40.5	\$15.04	8.8	40.4
6	12.55	9.3	41.1	—	—	—	—	—	—
7	16.64	4.7	40.0	16.89	5.5	40.0	—	—	—
Supervisors, distribution, scheduling, and adjusting clerks	16.90	3.1	40.3	17.03	3.4	40.6	15.94	8.9	38.6
4	11.23	3.1	38.1	—	—	—	—	—	—
5	12.93	5.6	40.7	13.07	5.9	41.2	—	—	—
6	14.77	4.3	40.3	14.61	4.6	41.3	—	—	—
7	15.88	3.3	40.6	15.83	3.3	40.6	—	—	—
8	20.04	5.3	40.7	20.37	5.6	40.8	18.84	10.6	40.0
9	21.41	3.5	40.0	21.39	3.6	40.0	—	—	—
Not able to be leveled	13.46	8.4	40.0	13.26	8.6	40.0	—	—	—
Computer operators	13.23	2.4	39.0	13.58	1.9	39.1	12.13	5.7	38.6
3	9.47	7.6	37.1	10.48	9.2	40.0	—	—	—
4	11.64	2.7	38.5	11.72	2.8	38.5	10.51	5.4	38.2
5	13.21	2.8	39.5	13.34	2.6	39.6	12.80	8.1	39.5
6	14.00	5.3	39.8	14.71	4.9	39.7	—	—	—
7	14.95	7.2	38.7	15.84	5.9	38.6	13.38	12.3	38.8
Not able to be leveled	15.96	14.5	39.8	—	—	—	—	—	—
Peripheral equipment operators	10.44	5.2	39.0	10.08	5.0	39.0	—	—	—
3	8.89	2.5	38.8	8.88	2.5	38.8	—	—	—
4	11.49	4.5	38.9	11.27	5.5	38.6	—	—	—
5	14.37	3.9	39.4	—	—	—	—	—	—
Secretaries	12.83	.9	38.1	13.20	.9	38.0	12.09	1.6	38.3
2	8.01	3.6	35.5	8.21	4.1	35.8	7.73	4.9	35.2
3	9.59	1.4	36.8	9.49	1.7	36.8	9.79	2.4	36.8
4	11.41	1.1	38.0	11.61	1.1	37.5	11.07	2.1	38.8
5	13.15	1.1	38.4	13.26	1.2	38.4	12.90	2.6	38.2
6	14.73	1.3	38.7	15.41	1.3	38.7	13.16	2.1	38.6
7	16.83	1.2	38.8	17.07	1.4	38.8	16.02	1.6	39.0
8	20.63	3.2	38.3	20.62	3.3	38.3	—	—	—
Not able to be leveled	15.08	3.2	38.3	15.02	7.3	38.1	15.11	3.5	38.4
Stenographers	13.70	3.7	35.7	12.16	3.0	35.5	15.87	6.5	35.9
2	9.34	10.9	35.1	—	—	—	—	—	—
3	10.86	9.8	37.2	10.58	10.1	36.1	—	—	—
4	12.69	4.2	35.7	11.91	4.4	34.8	13.81	7.1	37.1
5	13.54	5.7	34.0	11.61	3.2	35.2	15.84	10.3	32.6
6	15.09	5.8	37.3	14.43	6.6	37.4	—	—	—
7	25.93	12.3	38.1	—	—	—	29.14	11.9	37.9
Typists	11.46	1.9	37.1	11.96	2.5	36.6	11.02	2.4	37.5
2	8.98	3.8	35.4	8.21	3.5	34.2	9.76	4.8	36.7
3	10.88	2.7	36.2	11.15	5.0	35.3	10.73	3.1	36.8
4	11.35	3.2	37.6	11.96	2.9	37.9	10.59	5.3	37.3
5	13.41	2.5	38.1	14.17	5.6	36.6	12.90	1.8	39.2
6	15.04	5.4	38.3	16.39	6.8	37.5	13.32	3.5	39.5
7	14.50	8.3	37.4	15.05	10.2	37.4	—	—	—
Interviewers	9.48	2.0	32.8	9.34	2.1	32.0	10.21	5.3	38.0
1	6.83	3.2	23.7	6.99	2.3	22.5	—	—	—
2	8.19	3.1	31.9	8.41	3.2	31.1	—	—	—
3	9.19	2.9	33.4	9.13	3.1	33.0	9.84	3.4	39.7
4	10.08	3.6	32.3	9.73	3.1	31.7	11.63	7.7	35.4
5	11.10	3.3	37.6	11.02	5.5	36.1	11.18	3.8	39.4
6	12.56	7.7	38.8	12.56	7.7	38.8	—	—	—
Hotel clerks	7.85	3.4	36.6	7.85	3.4	36.6	—	—	—
2	6.61	3.3	36.7	6.61	3.3	36.7	—	—	—
3	7.51	2.7	35.6	7.51	2.7	35.6	—	—	—
4	9.00	6.8	38.5	9.00	6.8	38.5	—	—	—
5	9.26	3.0	39.7	9.27	3.1	39.7	—	—	—
Transportation ticket and reservation agents	11.64	7.3	36.3	11.52	7.4	36.2	—	—	—

See footnotes at end of table.

Table 3-1. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1997—Continued

Occupational group 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									
Transportation ticket and reservation agents—Continued									
2	\$8.80	4.9	35.8	\$8.80	4.9	35.8	—	—	—
3	8.99	11.9	36.1	8.29	10.0	35.8	—	—	—
4	11.36	10.7	35.5	11.34	10.7	35.5	—	—	—
5	14.78	5.7	37.4	14.78	5.7	37.4	—	—	—
6	16.36	3.6	39.3	16.36	3.6	39.3	—	—	—
7	18.33	3.0	38.2	18.33	3.0	38.2	—	—	—
Receptionists	8.93	1.1	34.9	8.89	1.1	34.9	\$9.44	4.3	34.8
1	6.86	3.1	29.9	6.87	3.1	30.1	6.72	3.7	25.8
2	8.13	1.5	33.8	8.14	1.5	33.8	8.02	4.4	33.5
3	8.97	1.6	35.6	8.91	1.7	35.6	9.90	6.3	36.4
4	10.35	1.8	37.5	10.24	1.9	37.6	11.54	5.6	36.5
5	12.66	5.9	35.4	12.71	6.0	35.3	—	—	—
6	14.00	9.6	40.0	14.77	9.0	40.0	—	—	—
Information clerks, n.e.c.	11.13	3.5	35.5	11.06	3.9	35.5	11.75	5.7	36.1
1	6.71	8.2	16.3	6.61	8.4	15.6	—	—	—
2	8.02	4.5	33.0	7.99	4.6	32.9	—	—	—
3	9.15	2.2	33.8	9.11	1.9	33.8	9.54	15.6	33.7
4	11.01	2.3	38.4	11.01	2.5	38.2	10.99	2.9	39.7
5	12.32	4.0	37.1	12.36	4.6	37.0	11.99	8.4	38.3
6	13.80	3.4	37.1	13.22	3.9	36.8	15.38	4.9	38.0
7	17.73	7.6	34.8	18.18	7.9	35.9	—	—	—
Classified ad clerks	9.35	13.6	36.1	9.34	14.6	36.2	—	—	—
4	12.23	6.1	33.8	12.23	6.1	33.8	—	—	—
Correspondence clerks	10.78	5.3	38.4	10.80	5.4	38.4	—	—	—
2	8.87	9.7	35.4	8.87	9.7	35.4	—	—	—
3	9.84	6.9	39.3	9.98	7.2	39.3	—	—	—
4	9.61	6.9	38.9	9.59	6.9	38.9	—	—	—
5	12.87	3.8	38.2	12.87	3.8	38.2	—	—	—
6	12.64	8.0	39.5	12.64	8.0	39.5	—	—	—
Order clerks	11.42	1.7	37.8	11.38	1.7	37.7	14.65	7.7	38.4
1	7.55	14.1	36.8	7.55	14.1	36.8	—	—	—
2	7.90	3.5	32.7	7.90	3.5	32.7	—	—	—
3	9.53	1.5	35.7	9.51	1.5	35.7	—	—	—
4	11.39	2.4	38.9	11.36	2.4	38.9	16.14	8.2	39.6
5	13.45	1.9	39.7	13.42	1.9	39.7	—	—	—
6	14.23	6.7	39.8	14.18	6.8	39.8	—	—	—
7	18.00	3.4	39.5	17.99	3.4	39.5	—	—	—
Not able to be leveled	11.07	15.6	40.0	11.07	15.6	40.0	—	—	—
Personnel clerks, except payroll and timekeeping	12.12	2.1	37.9	11.93	2.4	38.4	12.82	4.7	36.1
2	7.78	3.7	32.7	7.67	3.6	32.8	—	—	—
3	8.30	2.4	38.6	8.42	2.5	38.4	—	—	—
4	10.67	1.7	36.9	10.61	1.9	38.2	10.89	5.4	32.4
5	12.29	3.0	39.1	12.22	3.4	39.0	12.75	3.8	39.4
6	15.22	3.4	39.3	15.25	4.2	39.2	15.12	4.1	39.7
7	16.06	3.8	39.5	16.67	5.0	39.2	15.33	2.7	39.8
Library clerks	10.08	2.2	30.0	11.74	4.9	32.6	9.68	2.1	29.5
1	6.28	2.3	17.3	6.68	5.3	20.2	6.22	2.4	17.0
2	8.57	4.4	26.7	9.27	9.9	26.4	8.40	4.6	26.8
3	9.54	2.6	31.9	10.30	5.2	32.2	9.42	2.8	31.8
4	10.28	3.8	33.4	11.07	4.6	33.8	10.14	4.3	33.3
5	11.76	5.0	33.1	13.66	7.2	36.7	11.25	5.4	32.2
6	13.53	4.0	37.0	13.37	5.6	37.7	13.71	5.4	36.3
7	16.35	10.0	32.0	—	—	—	12.50	6.6	24.5
File clerks	8.60	2.0	35.1	8.49	2.1	35.0	9.49	5.6	36.0
1	7.01	5.7	30.4	7.06	5.9	30.6	6.00	5.9	27.1
2	7.64	2.2	35.9	7.64	2.3	36.1	7.65	5.9	33.6

See footnotes at end of table.

Table 3-1. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1997—Continued

Occupational group 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									
File clerks—Continued									
3	\$9.45	3.3	34.6	\$9.42	3.5	34.5	\$9.89	6.1	35.9
4	9.84	3.0	38.4	9.92	3.5	38.5	9.58	10.7	38.3
5	12.87	5.9	36.9	—	—	—	—	—	—
Records clerks, n.e.c.	10.65	1.2	37.6	10.57	1.4	37.5	10.90	2.5	37.8
1	6.56	5.6	34.0	6.62	7.1	33.7	6.32	5.6	35.0
2	7.37	4.7	35.9	7.08	4.0	35.4	8.64	10.4	38.0
3	9.07	1.6	36.4	9.11	2.0	36.3	8.93	4.0	36.8
4	11.21	2.0	38.5	11.18	2.1	38.6	11.29	4.4	38.1
5	12.56	1.9	38.7	12.62	2.3	38.9	12.34	2.5	37.9
6	13.71	3.6	38.7	14.51	3.8	38.8	12.43	5.8	38.5
7	14.65	2.5	38.1	15.39	3.3	38.6	13.32	3.4	37.2
Bookkeepers, accounting and auditing clerks ...	11.32	.9	38.3	11.24	1.1	38.3	11.75	1.7	38.2
1	7.11	2.4	22.4	7.16	2.6	21.2	—	—	—
2	8.29	2.2	35.3	8.30	2.3	35.2	8.15	9.5	38.9
3	9.22	1.5	37.3	9.23	1.7	37.2	9.15	2.0	37.9
4	10.70	1.1	38.8	10.66	2.1	38.8	10.94	2.4	38.7
5	12.64	1.3	38.3	12.37	1.3	38.8	13.72	3.3	36.3
6	13.68	1.6	39.1	13.75	1.9	39.2	13.38	3.4	38.5
7	16.22	1.9	39.3	16.34	2.3	39.3	15.73	3.3	39.5
Not able to be leveled	11.21	5.4	36.6	11.22	6.8	35.7	—	—	—
Payroll and timekeeping clerks	12.35	2.0	38.6	12.27	2.2	38.7	12.99	4.6	38.2
2	9.84	15.6	33.2	9.84	15.6	33.2	—	—	—
3	9.81	4.0	36.3	9.82	4.1	37.0	—	—	—
4	11.57	3.6	38.8	11.53	4.0	38.8	11.84	6.7	39.0
5	12.68	2.9	39.8	12.67	3.3	39.8	12.74	2.3	39.9
6	14.44	3.1	39.8	14.32	3.3	39.9	—	—	—
7	17.38	5.2	40.3	17.32	5.9	40.9	—	—	—
Not able to be leveled	11.05	8.4	35.5	11.05	8.4	35.5	—	—	—
Billing clerks	10.65	1.7	37.9	10.65	1.8	38.1	10.67	7.0	36.2
2	8.47	5.0	38.2	8.98	4.3	37.7	—	—	—
3	9.59	3.7	37.1	9.52	4.0	36.9	10.19	8.0	39.0
4	10.59	2.3	37.9	10.56	2.4	38.5	11.47	6.6	27.1
5	11.99	3.3	38.9	11.86	3.5	38.8	13.00	3.2	39.7
6	13.85	3.0	39.4	14.01	3.4	39.3	—	—	—
7	16.35	3.2	36.6	16.38	3.2	36.6	—	—	—
Cost and rate clerks	11.90	5.8	38.2	11.90	5.8	38.2	—	—	—
3	8.91	5.8	37.4	8.91	5.8	37.4	—	—	—
4	11.55	5.0	37.7	11.55	5.0	37.7	—	—	—
5	12.91	4.6	36.7	12.91	4.6	36.7	—	—	—
6	14.80	4.2	39.6	14.80	4.2	39.6	—	—	—
7	16.78	2.7	39.8	16.78	2.7	39.8	—	—	—
Billing, posting, and calculating machine operators	8.90	4.9	34.9	8.90	4.9	34.9	—	—	—
2	7.64	5.3	31.0	7.64	5.3	31.0	—	—	—
3	8.91	5.0	34.8	8.92	5.1	34.7	—	—	—
4	10.51	7.4	35.4	10.51	7.4	35.4	—	—	—
Duplicating machine operators	9.30	4.0	36.6	9.61	2.9	35.9	8.20	10.0	39.0
1	7.80	3.8	35.5	—	—	—	—	—	—
2	8.72	3.7	36.0	—	—	—	—	—	—
3	8.53	6.3	36.3	9.24	3.4	34.3	—	—	—
4	10.81	2.3	38.8	10.82	2.3	38.9	—	—	—
5	14.95	6.5	38.2	14.95	6.5	38.2	—	—	—
Mail preparing and paper handling machine operators	8.86	5.2	33.4	8.86	5.2	33.4	—	—	—
1	7.03	2.4	27.9	7.03	2.4	27.9	—	—	—
2	9.17	9.4	36.5	9.17	9.4	36.5	—	—	—
Office machine operators, n.e.c.	8.41	6.0	35.8	8.32	6.1	36.1	—	—	—
1	7.79	2.6	36.6	7.79	2.6	36.6	—	—	—

See footnotes at end of table.

Table 3-1. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1997—Continued

Occupational group 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									
Office machine operators, n.e.c.—Continued									
2	\$7.37	9.8	35.8	\$7.37	9.8	35.8	—	—	—
3	9.11	5.9	32.9	8.87	5.6	33.4	—	—	—
4	10.28	7.0	39.7	10.30	7.0	39.7	—	—	—
Telephone operators	11.29	3.8	35.8	11.35	4.0	35.7	\$10.25	8.1	37.6
1	8.14	15.1	33.0	8.14	15.1	33.0	—	—	—
2	11.93	5.5	36.4	12.02	5.5	36.5	8.00	7.3	33.8
3	9.33	2.9	33.9	9.42	3.1	33.4	8.29	5.6	40.0
4	12.74	4.1	37.3	12.55	4.5	37.0	—	—	—
Communications equipment operators, n.e.c.	9.91	5.2	34.9	9.34	7.5	33.6	10.65	5.9	36.7
Mail clerks, except postal service	8.88	3.1	36.0	8.93	3.3	35.7	8.40	7.9	39.3
1	6.97	4.2	35.5	6.97	4.8	35.0	—	—	—
2	8.42	2.4	36.4	8.46	2.7	36.1	8.15	2.9	38.9
3	9.55	5.1	34.7	9.51	5.4	34.5	10.24	7.4	38.1
4	10.15	4.3	38.7	10.02	4.0	38.7	—	—	—
5	14.16	11.1	38.4	14.16	11.1	38.4	—	—	—
Messengers	10.75	9.6	35.9	10.83	10.0	36.1	9.73	19.0	33.6
1	8.17	4.2	33.8	8.23	4.4	33.8	—	—	—
2	7.94	4.6	34.3	8.00	4.7	34.7	7.79	11.2	33.4
3	11.06	7.2	37.1	10.41	6.6	37.7	—	—	—
Dispatchers	12.40	3.4	38.5	11.96	4.1	38.5	12.70	4.8	38.4
2	8.93	5.1	35.1	8.44	5.2	34.6	10.05	6.9	36.3
3	9.60	5.3	36.5	9.70	4.9	39.3	9.46	10.8	33.2
4	10.85	4.3	38.7	11.28	6.4	38.2	10.60	5.4	39.0
5	13.25	3.6	39.1	14.44	4.4	38.8	12.89	4.3	39.2
6	13.92	5.1	40.4	14.73	6.5	41.8	13.24	5.4	39.3
7	18.59	6.8	40.2	17.23	11.5	40.6	19.14	7.8	40.0
Production coordinators	14.13	1.7	38.8	14.10	1.7	38.8	16.48	9.5	39.6
2	9.07	12.6	19.9	9.07	12.6	19.9	—	—	—
3	9.83	2.9	38.2	9.83	2.9	38.2	—	—	—
4	11.95	3.9	38.7	11.97	3.9	38.7	—	—	—
5	13.60	2.5	40.0	13.61	2.5	40.0	—	—	—
6	14.51	3.7	39.4	14.45	3.7	39.4	—	—	—
7	16.78	3.2	39.9	16.78	3.2	39.9	—	—	—
8	20.81	4.1	40.8	21.08	4.5	40.9	—	—	—
Not able to be leveled	16.88	8.9	38.4	16.88	8.9	38.4	—	—	—
Traffic, shipping and receiving clerks	11.30	2.9	37.7	11.27	3.0	37.6	13.30	3.9	38.9
1	7.32	6.5	34.9	7.32	6.5	34.9	—	—	—
2	8.95	3.5	31.1	8.96	3.4	31.1	—	—	—
3	9.54	2.2	38.8	9.54	2.3	38.8	—	—	—
4	11.23	2.9	37.7	11.23	2.9	37.7	—	—	—
5	13.62	3.9	40.0	13.58	4.1	40.1	—	—	—
6	14.90	7.6	39.2	15.01	8.2	39.1	—	—	—
7	16.99	3.0	40.2	16.99	3.0	40.2	—	—	—
Not able to be leveled	9.57	12.1	40.0	9.57	12.1	40.0	—	—	—
Stock and inventory clerks	10.70	1.6	36.3	10.65	1.7	36.1	11.13	3.8	38.5
1	6.99	2.1	26.1	6.95	2.3	25.2	—	—	—
2	8.21	4.2	31.9	8.26	4.7	31.6	7.80	5.5	34.3
3	9.53	2.3	36.3	9.55	2.5	36.1	9.22	5.3	39.0
4	11.02	1.9	39.1	10.87	2.1	39.1	12.15	5.2	39.4
5	12.95	3.1	39.6	12.90	3.3	39.7	13.28	7.2	39.1
6	15.03	3.3	39.3	15.07	3.6	39.5	—	—	—
7	16.67	4.1	39.8	16.92	4.2	39.8	—	—	—
Not able to be leveled	13.41	16.0	37.0	13.81	18.4	36.5	—	—	—
Meter readers	14.15	3.8	39.6	14.56	4.7	39.9	13.27	5.4	39.1
2	11.55	9.1	40.0	11.60	10.3	40.0	—	—	—
3	13.47	5.1	38.9	13.86	6.3	39.6	12.81	8.2	37.9
4	15.90	4.2	40.0	16.94	2.4	40.0	12.80	7.0	40.0
5	14.65	9.0	40.0	—	—	—	—	—	—

See footnotes at end of table.

Table 3-1. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1997—Continued

Occupational group 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									
Weighers, measurers, checkers, and samplers	\$12.62	5.9	37.3	\$12.58	6.2	39.4	—	—	—
2	8.96	6.8	32.5	9.05	6.8	38.0	—	—	—
3	14.04	8.6	38.6	14.05	8.9	40.0	—	—	—
4	11.49	4.1	40.0	11.49	4.1	40.0	—	—	—
Expeditors	12.54	3.2	38.3	12.54	3.2	38.3	—	—	—
2	8.78	15.4	36.5	8.78	15.4	36.5	—	—	—
3	9.31	5.2	38.3	9.31	5.2	38.3	—	—	—
4	11.74	6.9	38.0	11.75	7.0	38.0	—	—	—
5	12.91	4.8	40.0	12.93	4.9	40.0	—	—	—
7	17.63	5.7	39.7	17.63	5.7	39.7	—	—	—
Material recording, scheduling, and distribution clerks, n.e.c.	12.34	3.8	37.4	12.32	3.9	37.3	\$13.35	7.7	39.1
1	6.95	7.9	32.2	6.95	7.9	32.2	—	—	—
2	7.72	5.4	35.8	7.72	5.4	35.8	—	—	—
3	10.22	6.0	38.4	10.16	6.1	38.4	—	—	—
4	10.13	3.4	34.6	10.01	3.6	34.4	—	—	—
5	13.60	3.8	39.9	13.52	3.8	39.9	—	—	—
6	16.68	8.2	40.0	16.70	8.5	40.0	—	—	—
7	18.45	4.2	39.8	18.45	4.2	39.8	—	—	—
Not able to be leveled	12.55	9.9	30.0	12.55	9.9	30.0	—	—	—
Insurance adjusters, examiners, and investigators	14.54	2.9	38.9	14.56	3.0	38.9	13.61	7.3	40.0
2	8.51	4.2	34.3	8.51	4.2	34.3	—	—	—
3	10.02	2.5	37.9	9.99	2.6	37.9	—	—	—
4	11.20	3.0	39.1	11.20	3.0	39.1	—	—	—
5	12.42	3.2	39.1	12.38	3.3	39.0	—	—	—
6	13.88	2.9	39.4	13.88	2.9	39.4	—	—	—
7	17.78	4.6	39.3	17.77	4.7	39.3	—	—	—
8	20.83	5.4	38.4	20.83	5.4	38.4	—	—	—
9	21.11	3.5	37.4	21.25	3.6	37.3	—	—	—
11	38.64	13.8	37.4	38.64	13.8	37.4	—	—	—
Not able to be leveled	13.60	11.0	38.6	13.60	11.0	38.6	—	—	—
Investigators and adjusters, except insurance ...	11.77	2.6	37.4	11.70	2.7	37.4	13.93	6.6	38.2
2	8.02	4.7	33.9	8.02	4.7	33.9	—	—	—
3	9.02	2.3	34.7	9.02	2.3	34.7	—	—	—
4	11.06	3.5	38.6	11.05	3.5	38.5	11.08	9.8	39.1
5	13.62	6.3	38.5	13.60	6.6	38.4	14.06	11.1	40.0
6	14.27	2.1	39.6	14.25	2.2	39.6	—	—	—
7	16.08	2.8	39.7	15.93	3.0	39.6	16.99	8.5	40.0
8	17.89	6.0	39.9	17.89	6.0	39.9	—	—	—
Not able to be leveled	13.27	8.5	37.4	13.27	8.5	37.4	—	—	—
Eligibility clerks, social welfare	12.59	1.9	38.5	11.06	4.3	38.4	13.07	2.0	38.5
3	8.96	5.1	37.2	9.46	10.5	34.8	8.66	3.6	38.9
4	11.14	3.5	38.8	11.24	6.3	38.6	11.07	3.8	38.9
5	12.77	6.0	39.1	10.62	8.0	39.6	13.66	7.6	38.9
6	13.27	2.3	38.7	—	—	—	13.35	2.1	38.7
7	14.27	3.9	38.8	—	—	—	14.61	3.6	39.5
Bill and account collectors	10.41	5.7	38.6	10.33	5.9	38.6	12.45	4.2	39.9
2	8.50	5.3	38.8	8.50	5.3	38.8	—	—	—
3	9.31	2.5	38.1	9.30	2.5	38.1	—	—	—
4	9.25	10.6	38.1	9.22	10.7	38.1	11.35	9.5	40.0
5	11.49	2.7	39.5	11.38	2.9	39.5	12.93	3.9	39.8
6	12.90	3.7	39.9	13.16	3.7	39.9	—	—	—
7	13.82	4.6	39.9	13.74	4.7	39.9	—	—	—
General office clerks	10.74	1.0	36.4	10.61	1.3	36.0	10.98	1.4	37.0
1	6.77	2.9	25.6	6.90	2.4	25.4	6.37	9.0	26.1
2	8.22	1.4	34.5	8.09	1.7	34.7	8.55	2.4	34.2
3	9.41	1.1	36.6	9.31	1.2	36.1	9.58	2.1	37.6
4	11.32	1.6	37.5	11.32	2.5	37.3	11.31	1.1	38.0

See footnotes at end of table.

Table 3-1. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1997—Continued

Occupational group 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									
General office clerks—Continued									
5	\$13.00	1.2	38.1	\$13.11	1.8	38.3	\$12.87	1.8	38.0
6	14.30	2.4	39.3	14.94	2.7	39.6	13.48	4.1	39.0
7	15.71	2.0	39.2	15.96	2.4	39.4	15.13	3.4	39.0
Not able to be leveled	14.10	7.3	35.8	12.95	12.5	37.0	15.17	5.1	34.8
Bank tellers	8.63	1.8	32.4	8.63	1.8	32.4	—	—	—
1	7.39	1.7	32.1	7.39	1.7	32.1	—	—	—
2	7.85	1.6	31.0	7.85	1.6	31.0	—	—	—
3	8.23	2.9	30.6	8.23	2.9	30.6	—	—	—
4	9.11	3.7	35.2	9.11	3.7	35.2	—	—	—
5	10.84	4.5	39.0	10.84	4.5	39.0	—	—	—
6	11.34	2.5	40.0	11.34	2.5	40.0	—	—	—
Proofreaders	12.18	13.4	38.0	10.32	6.2	37.5	—	—	—
4	10.04	5.8	34.8	10.04	5.8	34.8	—	—	—
7	17.20	8.2	39.7	—	—	—	—	—	—
Data entry keyers	9.76	1.4	37.1	9.48	1.6	36.7	10.95	3.0	38.9
1	7.54	7.2	39.4	6.67	3.5	39.4	—	—	—
2	8.42	1.9	35.4	8.26	1.8	35.1	9.94	7.3	38.6
3	9.78	2.2	36.8	9.45	2.4	36.5	11.17	3.7	38.1
4	10.92	2.7	39.0	10.78	3.2	38.8	11.45	6.1	39.7
5	11.75	4.9	39.7	11.96	6.0	39.5	—	—	—
6	15.08	3.6	39.9	15.29	3.6	39.9	—	—	—
7	15.59	5.3	39.4	15.57	6.8	40.0	—	—	—
Statistical clerks	11.42	4.3	37.0	11.90	4.9	36.7	9.53	2.7	38.6
2	8.44	7.4	32.2	8.25	7.1	31.8	—	—	—
3	8.25	5.3	36.4	8.19	6.2	35.9	—	—	—
4	12.64	7.1	37.9	13.64	6.1	37.5	9.26	3.8	39.5
5	11.97	6.9	38.6	13.38	2.4	37.8	—	—	—
6	12.38	5.6	39.6	12.38	5.6	39.6	—	—	—
7	16.50	7.0	39.1	16.58	7.7	39.6	—	—	—
Teachers' aides	9.09	1.7	30.6	7.98	3.8	31.2	9.15	1.8	30.6
1	7.11	3.0	28.8	—	—	—	7.31	3.3	29.3
2	7.92	1.3	30.6	7.42	6.3	27.1	7.94	1.3	30.7
3	9.02	2.4	31.7	7.95	3.3	28.7	9.03	2.4	31.8
4	9.78	2.7	30.1	8.02	3.5	34.3	10.04	2.6	29.6
5	13.54	4.8	29.3	10.11	20.1	39.1	13.83	4.4	28.7
6	12.09	8.0	27.3	10.01	8.7	31.0	12.33	8.5	27.0
Administrative support, n.e.c.	11.44	1.6	36.6	11.19	2.0	36.6	12.24	2.8	36.7
1	5.86	4.2	26.3	5.76	4.2	26.9	7.19	3.8	20.4
2	8.55	4.7	33.3	8.47	5.8	33.8	8.93	4.4	31.0
3	8.99	2.7	35.6	8.80	2.9	36.1	9.76	4.4	33.6
4	10.85	1.3	37.8	10.94	1.3	37.6	10.55	3.5	38.6
5	12.30	1.7	38.7	12.24	2.3	38.8	12.45	2.6	38.6
6	14.19	2.1	38.7	14.23	2.4	38.6	14.07	4.6	39.0
7	16.44	2.7	39.3	16.44	3.6	39.4	16.47	3.2	39.0
8	15.92	2.7	37.5	15.97	3.0	37.7	—	—	—
Not able to be leveled	13.91	7.9	35.7	11.97	5.4	35.7	17.59	19.4	35.6
Blue collar	12.36	.8	38.3	12.24	.8	38.4	13.78	1.2	37.3
1	7.38	1.5	34.4	7.34	1.6	34.3	8.64	3.5	35.2
2	8.55	1.2	37.6	8.49	1.2	37.7	9.78	2.3	34.4
3	11.06	1.4	38.4	11.07	1.7	38.8	11.01	2.1	33.9
4	12.16	1.1	39.1	12.13	1.2	39.3	12.54	2.6	36.8
5	13.64	.7	40.0	13.64	.8	40.1	13.67	1.5	38.3
6	15.48	.9	40.2	15.61	1.0	40.3	14.37	3.1	39.5
7	18.04	.6	39.9	18.17	.7	40.0	17.18	1.8	39.5
8	20.22	1.1	40.5	20.22	1.2	40.5	20.17	3.6	39.8
9	22.46	1.2	40.5	22.51	1.3	40.5	21.80	3.6	39.9
10	28.83	5.3	42.2	28.96	5.4	42.3	—	—	—

See footnotes at end of table.

Table 3-1. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1997—Continued

Occupational group 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									
11	\$29.98	1.9	39.3	\$29.92	2.4	39.7	—	—	—
Not able to be leveled	14.36	6.0	38.5	14.59	5.8	38.6	\$13.20	23.1	38.0
Precision production, craft, and repair	15.86	1.2	39.8	15.88	1.3	39.8	15.71	1.6	39.6
1	8.25	5.8	39.2	8.25	5.8	39.3	—	—	—
2	8.10	2.2	37.9	8.07	3.0	37.8	8.63	6.2	40.0
3	9.57	1.4	39.4	9.51	1.5	39.3	10.33	3.4	39.7
4	11.79	2.0	39.5	11.83	2.1	39.5	11.32	3.8	39.3
5	13.74	1.4	39.8	13.79	1.5	39.8	13.39	2.2	39.5
6	15.72	1.3	40.0	15.86	1.4	40.1	14.58	3.0	39.6
7	18.29	.7	39.9	18.47	.7	39.9	17.21	1.9	39.8
8	20.51	1.2	40.2	20.52	1.2	40.3	20.37	3.9	39.7
9	22.47	1.4	40.4	22.48	1.4	40.4	22.32	4.3	39.8
10	29.00	5.4	42.1	29.12	5.5	42.2	—	—	—
11	29.98	1.9	39.3	29.92	2.4	39.7	—	—	—
Not able to be leveled	19.59	5.7	39.6	19.37	6.1	39.7	21.33	23.0	39.6
Supervisors, mechanics and repairers	21.57	1.9	40.5	21.87	2.1	40.6	19.62	4.1	39.9
5	15.46	9.3	40.0	15.35	10.2	40.2	—	—	—
6	15.62	10.6	42.9	13.50	8.1	44.4	—	—	—
7	19.59	2.9	40.0	20.09	3.2	40.0	17.62	5.5	39.9
8	21.89	3.6	40.2	22.04	3.8	40.3	20.46	5.0	39.9
9	23.73	2.8	40.9	23.73	2.9	40.9	23.82	7.1	40.0
10	36.44	8.5	40.3	36.44	8.5	40.3	—	—	—
Not able to be leveled	26.43	4.9	40.0	26.43	4.9	40.0	—	—	—
Automobile mechanics	16.62	3.2	40.6	16.51	3.4	40.9	17.02	8.1	39.7
4	14.09	10.1	42.3	14.59	8.5	42.5	—	—	—
5	13.07	4.1	40.8	13.20	4.7	40.9	12.20	5.7	40.0
6	18.43	11.9	40.4	18.87	13.5	40.6	16.13	5.4	39.0
7	17.89	3.5	40.5	17.69	3.4	40.8	18.44	8.4	39.8
8	16.93	6.7	40.6	16.57	7.6	41.0	—	—	—
Automobile mechanic apprentices	9.97	7.5	38.4	9.65	8.8	38.2	—	—	—
2	7.89	7.0	40.0	7.84	7.3	40.0	—	—	—
5	9.87	8.9	34.8	9.39	11.5	33.5	—	—	—
Bus, truck, and stationary engine mechanics	15.04	2.6	40.1	14.91	2.5	40.2	15.68	4.7	39.8
4	10.56	6.4	40.0	10.22	5.7	40.0	—	—	—
5	12.20	3.8	40.0	11.91	3.7	40.0	15.01	9.2	39.9
6	13.39	3.1	40.5	12.92	3.2	40.8	15.65	7.1	39.2
7	17.11	1.9	40.0	17.09	2.3	40.1	17.20	2.3	39.9
8	18.41	11.3	41.3	—	—	—	—	—	—
Aircraft engine mechanics	21.07	4.0	40.0	21.12	4.0	40.0	—	—	—
6	16.19	7.8	40.0	16.19	7.8	40.0	—	—	—
7	22.47	3.8	40.0	22.47	3.8	40.0	—	—	—
8	22.07	12.6	40.0	22.07	12.6	40.0	—	—	—
Small engine repairs	12.31	7.5	37.5	12.37	10.7	36.3	12.21	6.0	40.0
Automobile body and related repairers	15.25	4.6	40.5	15.24	4.7	40.5	—	—	—
5	13.94	10.1	39.9	13.94	10.1	39.9	—	—	—
6	15.02	7.2	40.8	15.01	7.4	40.9	—	—	—
7	16.79	9.2	40.6	16.78	9.3	40.6	—	—	—
Aircraft mechanics, except engine	17.93	5.0	40.1	17.93	5.0	40.1	—	—	—
5	12.91	11.1	40.0	12.91	11.1	40.0	—	—	—
6	16.88	4.5	40.0	16.88	4.5	40.0	—	—	—
7	19.22	3.0	40.0	19.22	3.0	40.0	—	—	—
8	21.32	5.0	40.4	21.32	5.0	40.4	—	—	—
9	19.73	6.8	40.0	19.73	6.8	40.0	—	—	—
Heavy equipment mechanics	16.24	3.3	40.0	16.39	4.0	40.1	15.69	6.0	40.0
5	11.51	2.3	40.2	11.74	2.6	40.2	10.63	5.3	40.0
6	14.19	4.5	40.0	14.41	5.1	40.0	13.89	8.5	40.0
7	18.11	2.4	40.1	18.21	3.0	40.1	17.74	4.0	40.0
8	20.18	2.8	40.0	19.98	2.4	40.0	—	—	—
Industrial machinery repairers	16.06	1.7	39.9	16.05	1.7	39.9	17.12	7.7	39.9
3	9.78	4.1	40.0	9.59	3.4	40.0	—	—	—
4	11.26	6.5	40.2	11.26	6.5	40.2	—	—	—

See footnotes at end of table.

Table 3-1. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1997—Continued

Occupational group 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									
Industrial machinery repairers—Continued									
5	\$13.15	2.2	40.0	\$13.13	2.2	40.0	\$13.89	8.2	40.0
6	15.01	2.0	40.0	15.03	2.0	40.0	13.49	5.4	40.0
7	17.57	2.1	39.8	17.53	2.2	39.8	21.63	6.1	39.9
8	19.39	3.5	40.1	19.39	3.5	40.1	—	—	—
9	19.89	5.0	40.0	19.89	5.0	40.0	—	—	—
Machinery maintenance	12.72	3.3	40.0	12.73	3.4	40.1	11.74	10.5	36.6
2	8.35	5.7	40.0	8.35	5.7	40.0	—	—	—
3	10.26	12.2	39.7	10.26	12.2	39.7	—	—	—
4	11.54	8.6	39.9	11.58	8.6	39.9	—	—	—
5	12.94	6.4	39.9	12.96	6.5	40.1	—	—	—
6	14.28	6.9	40.7	14.38	7.1	40.7	—	—	—
7	17.63	5.5	40.3	17.63	5.5	40.3	—	—	—
8	18.01	5.5	40.0	—	—	—	—	—	—
Electronic repairers, communications and industrial equipment									
2	16.48	3.2	39.2	16.50	3.3	39.4	16.28	6.3	37.1
3	8.58	3.6	40.0	8.52	3.9	40.0	—	—	—
4	8.49	4.5	36.4	8.47	4.8	36.5	—	—	—
5	10.48	5.3	39.5	10.29	5.0	39.4	—	—	—
6	15.61	6.6	39.2	15.80	6.9	39.3	12.47	4.4	38.0
7	15.22	7.7	40.0	15.18	7.9	40.0	—	—	—
8	19.38	3.7	39.3	19.47	4.0	39.3	18.56	5.9	39.3
9	17.27	3.3	39.8	17.29	3.3	39.8	—	—	—
21.65	3.5	40.0	21.65	3.5	40.0	—	—	—	
Data processing equipment repairers									
5	15.42	4.6	37.9	15.58	5.0	37.7	14.10	3.1	40.0
6	11.16	7.5	40.0	10.88	7.9	40.0	—	—	—
7	13.17	3.6	39.4	13.18	4.1	39.3	—	—	—
8	16.57	5.2	37.4	16.93	5.4	37.0	—	—	—
Household appliance and power tool repairers									
7	16.44	5.4	38.6	16.44	5.4	38.6	—	—	—
8	17.88	5.8	39.7	17.88	5.8	39.7	—	—	—
Telephone line installers and repairers									
4	18.39	4.3	39.8	18.60	4.2	39.7	—	—	—
5	11.88	7.4	40.0	12.24	7.4	40.0	—	—	—
6	19.52	4.6	40.1	19.90	3.9	40.1	—	—	—
7	16.10	8.4	40.0	16.10	8.4	40.0	—	—	—
8	19.95	1.5	39.0	19.95	1.5	39.0	—	—	—
Telephone installers and repairers									
4	17.54	4.1	40.0	17.45	4.2	40.0	—	—	—
5	12.21	9.9	40.0	12.21	9.9	40.0	—	—	—
6	14.37	9.3	39.8	14.37	9.3	39.8	—	—	—
7	18.67	2.6	40.0	18.44	2.3	40.0	—	—	—
Heating, air conditioning, and refrigeration mechanics									
4	15.82	2.7	39.6	16.31	3.3	39.7	14.80	4.5	39.4
5	11.44	7.5	40.0	—	—	—	—	—	—
6	13.70	5.9	39.6	13.41	6.2	39.4	14.29	11.1	40.0
7	15.59	7.2	39.6	16.56	6.7	39.6	12.23	10.6	39.7
8	17.69	2.3	39.6	18.94	2.7	39.9	16.01	3.6	39.1
Camera, watch, and musical instrument repairers									
7	16.08	10.9	40.0	16.08	10.9	40.0	—	—	—
Locksmiths and safe repairers									
7	16.97	5.3	40.0	17.65	7.1	40.0	—	—	—
8	17.30	5.0	40.0	18.32	5.8	40.0	—	—	—
Office machine repairers									
5	14.57	4.8	39.5	14.34	5.0	39.5	—	—	—
6	13.17	5.8	39.9	13.17	5.8	39.9	—	—	—
7	13.14	7.8	40.0	12.24	4.0	40.0	—	—	—
8	16.74	6.3	39.3	16.52	6.4	39.2	—	—	—
Mechanical controls and valve repairers									
5	17.53	4.2	39.3	18.20	4.8	40.0	15.81	5.9	37.8
6	15.92	5.7	38.4	16.16	8.5	40.0	15.62	7.3	36.5
7	18.61	7.3	40.0	18.71	7.4	40.0	—	—	—
8	19.09	5.5	40.0	19.42	7.4	40.0	18.38	7.4	40.0
Elevator installers and repairers									
7	19.21	22.1	40.0	19.08	22.8	40.0	—	—	—
Millwrights									
5	18.43	5.9	40.1	18.49	5.9	40.1	—	—	—
6	14.42	9.3	40.0	14.42	9.3	40.0	—	—	—

See footnotes at end of table.

Table 3-1. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1997–Continued

Occupational group 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									
Millwrights –Continued									
7	\$19.73	2.8	40.2	\$19.92	2.6	40.2	–	–	–
Mechanics and repairers, n.e.c.	15.23	1.6	39.6	15.66	1.8	39.6	\$13.68	3.3	39.6
2	6.91	4.6	36.4	6.69	4.8	35.9	–	–	–
3	9.72	2.7	39.7	9.65	3.3	39.6	9.91	4.4	39.9
4	11.59	3.9	38.5	12.12	4.5	38.1	10.16	5.5	39.6
5	13.20	2.2	39.7	13.31	2.7	39.7	12.87	3.9	39.9
6	15.99	1.9	39.8	16.63	2.2	39.9	13.96	4.5	39.7
7	17.04	1.6	39.9	17.29	1.7	40.0	16.08	4.3	39.7
8	19.71	2.9	39.3	19.64	2.8	39.3	–	–	–
9	21.71	2.9	40.1	21.39	2.5	40.1	–	–	–
Not able to be leveled	19.74	8.1	39.4	20.88	9.5	39.3	–	–	–
Supervisors, brickmasons, stonemasons, and tilesetters	17.34	11.7	39.8	20.99	10.0	39.4	–	–	–
Supervisors, carpenters and related workers	20.79	5.5	40.5	21.13	5.2	40.5	–	–	–
7	19.18	12.2	40.0	19.18	12.2	40.0	–	–	–
8	19.90	9.5	40.0	21.13	7.5	40.0	–	–	–
9	21.74	7.8	41.3	21.74	7.8	41.3	–	–	–
Supervisors, electricians and power transmission installers	22.25	5.0	40.0	22.49	5.0	40.0	20.68	19.4	40.0
7	20.21	8.4	40.4	21.63	6.1	40.4	14.04	30.4	40.0
8	20.15	9.5	40.0	19.88	9.9	40.0	–	–	–
9	26.52	5.6	39.6	26.06	5.5	39.5	29.33	11.5	40.1
Supervisors, painters, paperhangers, and plasterers	17.97	3.6	40.0	17.79	3.7	40.0	–	–	–
Supervisors, plumbers, pipefitters, and steamfitters	21.16	9.6	40.2	20.61	11.6	40.3	22.19	14.6	40.0
7	20.30	15.1	39.6	16.25	6.2	39.3	24.69	11.3	40.0
8	18.32	9.5	40.4	19.53	8.1	40.0	–	–	–
9	25.57	3.5	39.4	25.75	4.0	40.0	–	–	–
Supervisors, construction trades, n.e.c.	17.90	3.7	40.5	19.13	2.8	40.8	16.08	7.1	39.9
5	13.85	7.6	40.0	–	–	–	12.70	7.6	39.9
6	11.84	9.2	40.6	12.09	6.4	42.0	11.72	13.1	40.0
7	16.20	4.1	40.2	17.23	3.3	40.5	14.70	6.1	39.8
8	20.91	5.3	41.1	20.52	6.3	41.7	21.88	8.7	39.8
9	22.79	3.4	39.7	24.09	2.7	39.5	19.74	8.2	40.1
Brickmasons and stonemasons	15.52	6.3	40.0	15.75	9.5	40.0	–	–	–
7	16.57	3.4	40.0	17.87	7.0	40.0	–	–	–
Tile setters, hard and soft	15.19	4.2	39.0	15.19	4.2	39.0	–	–	–
Carpet installers	20.98	8.1	38.8	21.56	7.2	38.7	–	–	–
Carpenters	16.31	2.4	39.5	16.28	2.6	39.5	16.49	5.7	39.4
3	10.65	9.2	40.0	10.65	9.2	40.0	–	–	–
4	11.31	10.0	38.7	11.53	11.0	38.5	–	–	–
5	13.49	2.5	39.1	13.64	2.6	39.3	12.04	6.8	37.5
6	14.27	4.5	39.6	14.35	4.9	39.6	–	–	–
7	18.77	2.0	39.6	19.02	2.2	39.5	17.54	5.4	40.0
8	20.01	4.5	39.3	–	–	–	–	–	–
Carpenter apprentices	12.04	4.7	40.0	12.04	4.7	40.0	–	–	–
4	11.28	6.1	40.0	11.28	6.1	40.0	–	–	–
5	12.56	6.7	40.0	12.56	6.7	40.0	–	–	–
Drywall installers	14.12	3.4	40.1	14.12	3.4	40.1	–	–	–
5	13.94	3.3	40.0	13.94	3.3	40.0	–	–	–
6	14.63	6.4	41.9	14.63	6.4	41.9	–	–	–
7	14.55	6.5	39.8	14.55	6.5	39.8	–	–	–
Electricians	18.31	2.0	40.0	18.71	2.2	40.0	16.24	2.6	39.8
4	11.81	5.4	40.0	11.99	5.9	40.0	–	–	–
5	13.30	3.7	39.9	13.33	4.6	40.0	13.21	4.3	39.5
6	15.80	3.4	40.0	15.82	3.5	40.0	15.44	10.6	40.0
7	19.02	2.5	40.0	19.69	2.7	40.0	16.33	3.5	39.9
8	21.73	3.9	39.9	22.05	3.5	39.9	20.23	12.6	39.7

See footnotes at end of table.

Table 3-1. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1997—Continued

Occupational group 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									
Electricians—Continued									
9	\$24.70	6.6	39.9	\$24.73	6.8	40.0	—	—	—
Electrician apprentices	12.38	5.2	40.2	11.88	5.3	40.2	—	—	—
2	9.17	9.8	40.0	9.17	9.8	40.0	—	—	—
3	9.19	7.8	39.9	9.19	7.8	39.9	—	—	—
4	11.87	9.9	40.0	11.51	9.9	40.0	—	—	—
5	15.09	7.3	40.4	14.37	8.7	40.5	—	—	—
Electrical power installers and repairers	21.02	2.7	40.0	21.20	3.3	40.0	\$20.26	4.9	40.0
5	18.42	8.7	40.0	19.78	7.2	40.0	—	—	—
6	18.25	5.1	40.0	18.57	5.6	40.0	—	—	—
7	22.60	1.6	40.0	22.68	1.8	40.0	22.30	3.1	40.0
8	22.69	2.5	39.8	23.23	2.4	39.8	—	—	—
9	23.71	4.4	40.0	23.43	5.4	40.0	—	—	—
Painters, construction and maintenance	13.99	5.8	39.6	13.40	7.1	39.7	15.87	6.3	39.4
3	9.56	8.4	39.9	9.49	8.5	39.9	—	—	—
4	12.00	7.7	39.6	12.24	8.8	39.5	—	—	—
5	12.34	4.9	39.4	12.06	6.3	39.5	12.85	8.0	39.0
6	18.81	5.2	39.4	19.12	5.4	39.5	—	—	—
7	18.61	6.1	39.7	18.82	10.4	39.8	18.35	4.5	39.5
Plasterers	15.24	24.8	40.0	—	—	—	—	—	—
Plumbers, pipefitters and steamfitters	18.76	3.0	39.8	19.26	3.2	39.8	16.11	5.0	39.6
4	8.98	8.5	40.0	—	—	—	—	—	—
5	15.14	9.8	39.9	15.19	12.5	40.0	15.01	9.0	39.4
6	18.02	5.2	40.0	17.53	6.1	40.3	19.99	7.7	38.7
7	19.70	2.8	39.7	20.16	2.9	39.6	16.74	4.6	40.0
8	21.64	3.5	40.4	21.74	3.5	40.4	—	—	—
9	25.07	7.8	39.1	25.07	7.8	39.1	—	—	—
Plumber, pipefitter, and steamfitter apprentices	13.33	4.6	40.2	13.16	5.2	40.3	14.51	6.1	40.0
4	10.54	2.4	40.0	—	—	—	—	—	—
5	12.72	4.2	41.6	12.34	3.8	41.9	—	—	—
Concrete and terrazzo finishers	13.31	7.2	39.2	13.11	7.3	39.3	17.31	11.9	38.5
5	11.02	2.2	39.4	11.02	2.2	39.4	—	—	—
7	17.89	5.5	37.6	17.92	5.9	37.5	17.62	13.5	38.3
Glaziers	16.72	6.5	38.5	14.21	7.9	36.8	—	—	—
Insulation workers	12.74	6.1	35.5	12.74	6.2	35.5	—	—	—
5	14.69	4.3	40.0	14.87	4.3	40.0	—	—	—
6	15.25	9.9	40.0	15.25	9.9	40.0	—	—	—
Paving, surfacing, and tamping equipment operators	11.66	19.0	40.1	—	—	—	12.71	2.7	40.0
5	13.58	12.0	40.0	14.30	20.5	40.0	—	—	—
Roofers	12.54	9.9	34.9	12.47	10.3	34.7	—	—	—
Sheetmetal duct installers	16.67	10.2	39.0	16.67	10.2	39.0	—	—	—
6	19.12	16.1	40.0	19.12	16.1	40.0	—	—	—
7	18.78	10.3	37.4	18.78	10.3	37.4	—	—	—
Structural metal workers	15.95	7.6	39.5	15.52	7.8	39.4	—	—	—
5	15.09	8.1	36.9	15.09	8.1	36.9	—	—	—
7	18.64	8.2	39.9	18.18	9.7	39.8	—	—	—
Construction trades, n.e.c.	14.54	7.1	39.2	16.29	9.2	39.1	12.44	4.1	39.4
2	8.69	11.3	40.0	10.06	22.6	40.0	8.04	5.6	40.0
3	10.45	6.0	39.5	9.93	11.5	38.9	10.87	4.3	40.0
4	11.32	4.3	38.7	10.86	4.4	39.4	11.68	6.5	38.1
5	13.47	4.8	38.6	13.39	7.3	36.3	13.50	6.2	39.8
6	15.41	5.1	39.4	15.83	6.7	39.9	14.58	4.0	38.6
7	20.12	9.4	39.6	20.98	9.2	39.6	14.61	3.3	39.9
Supervisors, extractive	21.38	8.3	41.3	21.38	8.3	41.3	—	—	—
7	19.61	8.6	41.3	19.61	8.6	41.3	—	—	—
Drillers, oil well	16.58	2.3	41.3	16.58	2.3	41.3	—	—	—
Mining machine operators	18.27	5.6	40.0	18.27	5.6	40.0	—	—	—
5	18.97	10.5	40.0	18.97	10.5	40.0	—	—	—
6	17.99	5.0	40.0	17.99	5.0	40.0	—	—	—

See footnotes at end of table.

Table 3-1. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1997—Continued

Occupational group 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									
Mining machine operators—Continued									
7	\$14.54	2.1	40.0	\$14.54	2.1	40.0	—	—	—
Mining, n.e.c.	19.52	3.8	40.1	19.52	3.8	40.1	—	—	—
Supervisors, production	18.41	2.0	40.7	18.47	2.1	40.7	\$16.74	7.2	40.0
4	10.17	3.6	40.0	10.17	3.6	40.0	—	—	—
5	12.58	3.0	40.5	12.58	3.0	40.5	—	—	—
6	15.35	11.1	40.1	15.63	11.7	40.1	—	—	—
7	17.31	1.7	40.8	17.40	1.8	40.8	15.05	7.9	40.0
8	20.47	2.3	40.7	20.52	2.3	40.7	—	—	—
9	22.47	3.3	41.0	22.36	3.4	41.0	25.69	6.0	39.9
10	27.61	3.5	41.8	27.64	3.6	41.8	—	—	—
11	29.45	5.8	40.1	29.45	5.8	40.1	—	—	—
Not able to be leveled	25.75	9.7	39.1	25.75	9.7	39.1	—	—	—
Tool and die makers	18.52	2.2	40.0	18.54	2.2	40.0	—	—	—
5	13.14	6.1	41.3	13.14	6.1	41.3	—	—	—
6	16.41	3.9	40.0	16.41	3.9	40.0	—	—	—
7	19.31	1.8	39.9	19.34	1.8	39.9	—	—	—
8	19.68	5.7	40.0	19.68	5.7	40.0	—	—	—
9	19.82	2.4	40.0	19.82	2.4	40.0	—	—	—
Tool and die maker apprentices	14.46	6.7	39.9	14.46	6.7	39.9	—	—	—
5	14.11	7.8	40.0	14.11	7.8	40.0	—	—	—
Precision assemblers, metal	15.51	3.0	40.1	15.51	3.0	40.1	—	—	—
4	15.83	6.2	40.0	15.83	6.2	40.0	—	—	—
5	13.48	6.4	40.7	13.48	6.4	40.7	—	—	—
6	14.32	4.9	40.0	14.32	4.9	40.0	—	—	—
7	17.69	3.7	40.0	17.69	3.7	40.0	—	—	—
Machinists	15.61	3.7	40.0	15.50	3.7	40.0	19.64	8.8	40.0
4	11.71	3.8	40.7	11.71	3.8	40.7	—	—	—
5	13.67	2.4	40.5	13.67	2.4	40.5	—	—	—
6	15.80	2.7	40.3	15.78	2.7	40.3	—	—	—
7	15.65	6.2	39.9	15.55	6.3	39.8	—	—	—
8	19.07	3.4	39.9	18.77	3.2	39.9	—	—	—
9	18.87	5.4	40.0	18.87	5.4	40.0	—	—	—
Machinist apprentices	11.55	6.2	40.0	11.55	6.2	40.0	—	—	—
Boilermakers	17.73	7.8	40.0	17.49	7.8	40.0	—	—	—
7	21.39	3.0	40.0	21.39	3.0	40.0	—	—	—
Precision grinders, filers, and tool sharpeners ...	15.05	8.1	40.3	15.05	8.1	40.3	—	—	—
4	12.43	7.7	41.5	12.43	7.7	41.5	—	—	—
5	14.67	4.6	40.4	14.67	4.6	40.4	—	—	—
6	16.11	2.0	40.0	16.11	2.0	40.0	—	—	—
7	19.98	4.0	40.0	19.98	4.0	40.0	—	—	—
Patternmakers and modelmakers, metal	18.78	6.7	40.0	18.78	6.7	40.0	—	—	—
7	17.01	8.2	40.0	17.01	8.2	40.0	—	—	—
Layout workers	14.66	5.6	40.0	14.66	5.6	40.0	—	—	—
7	14.95	4.6	40.0	14.95	4.6	40.0	—	—	—
Precious stones and metals workers	8.50	8.1	40.0	8.50	8.1	40.0	—	—	—
2	6.87	7.2	40.0	6.87	7.2	40.0	—	—	—
Engravers, metal	18.49	9.4	39.8	18.49	9.4	39.8	—	—	—
Sheet metal workers	15.40	4.9	40.0	15.40	4.9	40.0	—	—	—
5	12.98	7.6	40.0	12.98	7.6	40.0	—	—	—
6	15.94	11.8	40.0	15.94	11.8	40.0	—	—	—
7	18.84	5.5	40.0	18.84	5.5	40.0	—	—	—
8	19.08	5.0	40.0	19.08	5.0	40.0	—	—	—
Sheet metal worker apprentices	13.48	7.9	40.2	13.48	7.9	40.2	—	—	—
Cabinet makers and bench carpenters	10.84	6.8	39.8	10.63	6.9	39.8	—	—	—
Furniture and wood finishers	11.00	2.1	40.0	11.00	2.1	40.0	—	—	—
Tailors	10.24	6.1	37.9	10.24	6.1	37.9	—	—	—
5	12.75	3.0	39.3	12.75	3.0	39.3	—	—	—
Upholsterers	13.46	5.3	39.5	13.46	5.3	39.5	—	—	—
5	12.66	3.5	38.3	12.66	3.5	38.3	—	—	—

See footnotes at end of table.

Table 3-1. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1997—Continued

Occupational group 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									
Upholsterers—Continued									
6	\$16.37	10.1	40.0	\$16.37	10.1	40.0	—	—	—
Hand molders and shapers, except jewelers	14.22	11.2	40.1	14.22	11.2	40.1	—	—	—
6	15.04	3.7	40.0	15.04	3.7	40.0	—	—	—
7	18.11	6.6	40.5	18.11	6.6	40.5	—	—	—
Patternmakers, layout workers, and cutters	16.02	15.0	38.0	16.02	15.0	38.0	—	—	—
7	19.05	11.7	40.0	19.05	11.7	40.0	—	—	—
Optical goods workers	10.94	12.7	39.8	10.94	12.7	39.8	—	—	—
5	12.51	7.8	40.0	12.51	7.8	40.0	—	—	—
7	14.81	4.1	38.9	14.81	4.1	38.9	—	—	—
Dental laboratory and medical appliance technicians	13.39	6.4	39.4	—	—	—	—	—	—
Bookbinders	13.39	3.9	39.4	13.39	3.9	39.4	—	—	—
Electrical and electronic equipment assemblers	9.33	2.3	39.6	9.33	2.3	39.6	—	—	—
2	7.63	3.1	39.2	7.63	3.1	39.2	—	—	—
3	9.28	3.5	40.0	9.28	3.5	40.0	—	—	—
4	10.02	3.9	39.7	10.02	3.9	39.7	—	—	—
5	11.61	2.6	40.0	11.61	2.6	40.0	—	—	—
6	13.01	3.9	40.0	13.01	3.9	40.0	—	—	—
7	16.45	7.1	39.8	16.45	7.1	39.8	—	—	—
Miscellaneous precision workers, n.e.c.	14.74	6.4	39.6	14.74	6.4	39.6	—	—	—
4	12.40	9.1	39.9	12.40	9.1	39.9	—	—	—
5	12.18	3.0	39.9	12.18	3.0	39.9	—	—	—
6	16.09	5.2	40.1	16.09	5.2	40.1	—	—	—
7	18.68	5.2	39.9	18.71	5.3	39.9	—	—	—
Precision food production	10.75	7.4	40.0	10.75	7.4	40.0	—	—	—
Butchers and meat cutters	10.00	4.2	38.7	10.00	4.2	38.7	—	—	—
1	6.76	2.0	40.0	6.76	2.0	40.0	—	—	—
2	8.20	6.1	37.0	8.20	6.1	37.0	—	—	—
4	10.80	3.9	38.5	10.80	3.9	38.5	—	—	—
5	12.22	2.6	39.2	12.22	2.6	39.2	—	—	—
6	14.47	5.1	40.0	14.47	5.1	40.0	—	—	—
7	15.79	2.2	38.5	15.79	2.2	38.5	—	—	—
Bakers	9.36	3.9	35.8	9.44	4.1	35.5	—	—	—
2	7.61	6.2	31.6	7.27	8.4	29.0	—	—	—
3	8.10	4.9	34.7	8.10	4.9	34.7	—	—	—
4	10.25	7.0	38.8	10.25	7.0	38.8	—	—	—
5	10.54	8.1	39.3	10.54	8.1	39.3	—	—	—
7	14.45	2.6	40.0	14.45	2.6	40.0	—	—	—
Food batchmakers	8.91	6.5	38.3	8.91	6.5	38.3	—	—	—
2	8.19	8.4	39.4	8.19	8.4	39.4	—	—	—
3	10.07	8.0	39.8	10.07	8.0	39.8	—	—	—
4	9.97	12.5	36.0	9.97	12.5	36.0	—	—	—
5	13.78	6.3	37.1	13.78	6.3	37.1	—	—	—
Inspectors, testers, and graders	15.76	2.5	40.2	15.61	2.7	40.2	\$18.21	5.0	39.7
3	10.06	4.1	38.6	9.91	4.0	38.5	—	—	—
4	14.14	8.5	40.5	14.14	8.5	40.5	—	—	—
5	13.13	2.9	40.7	13.01	2.9	40.8	—	—	—
6	15.23	4.3	40.5	15.15	4.5	40.6	—	—	—
7	17.69	3.0	40.3	17.42	3.1	40.3	19.93	3.7	40.0
8	20.97	6.4	40.1	21.74	6.2	40.1	—	—	—
9	21.54	8.6	40.2	21.75	9.2	40.2	—	—	—
Not able to be leveled	16.76	9.6	40.0	16.76	9.6	40.0	—	—	—
Precision inspectors, testers, and related workers, n.e.c.	18.61	8.7	40.0	18.61	8.7	40.0	—	—	—
6	19.29	6.6	40.0	19.29	6.6	40.0	—	—	—
7	18.82	7.6	40.0	18.82	7.6	40.0	—	—	—
Adjusters and calibrators	11.77	12.9	39.7	11.77	12.9	39.7	—	—	—
Water and sewer treatment plant operators	15.13	2.9	39.9	14.58	2.7	40.0	15.23	3.4	39.9
3	10.95	13.8	37.0	—	—	—	10.95	13.8	37.0

See footnotes at end of table.

Table 3-1. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1997—Continued

Occupational group 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									
Water and sewer treatment plant operators—Continued									
4	\$13.33	9.3	40.0	—	—	—	\$13.76	11.0	40.0
5	13.49	4.9	40.0	—	—	—	13.64	5.5	40.0
6	14.58	6.9	40.0	—	—	—	14.46	8.9	40.0
7	16.68	3.0	40.0	\$16.89	3.3	40.0	16.66	3.3	40.0
9	19.60	4.9	40.0	—	—	—	—	—	—
Power plant operators	21.32	2.9	40.0	21.49	3.0	40.2	20.35	9.5	39.3
5	16.54	3.0	40.0	—	—	—	—	—	—
6	17.82	9.5	40.0	—	—	—	—	—	—
7	21.57	3.2	40.1	21.95	3.4	40.2	—	—	—
8	25.40	3.4	40.3	24.95	3.9	40.4	—	—	—
9	22.18	4.1	40.0	22.18	4.1	40.0	—	—	—
Stationary engineers	17.67	3.8	39.4	17.85	4.9	39.4	17.22	4.9	39.4
4	13.26	8.2	40.0	—	—	—	—	—	—
5	14.45	6.6	39.7	15.31	5.8	39.4	13.33	12.5	40.0
6	15.44	5.0	39.9	15.56	6.2	39.9	14.99	3.5	40.0
7	19.75	3.0	39.4	20.08	3.0	39.7	18.93	7.1	38.9
8	22.04	9.7	37.8	22.04	9.7	37.8	—	—	—
9	19.26	7.7	37.8	23.25	11.0	32.8	—	—	—
Miscellaneous plant and system operators, n.e.c.	20.23	2.2	40.0	20.33	2.2	40.0	—	—	—
4	20.92	8.6	39.7	20.92	8.6	39.7	—	—	—
5	18.06	3.9	39.6	18.12	3.9	39.6	—	—	—
6	19.89	2.9	40.1	19.99	2.8	40.1	—	—	—
7	21.45	1.9	40.0	21.66	1.6	40.0	—	—	—
8	22.54	1.4	40.9	22.54	1.4	40.9	—	—	—
Machine operators, assemblers, and inspectors	11.03	1.1	39.6	11.02	1.1	39.6	12.89	6.1	38.3
1	7.25	1.7	38.2	7.24	1.7	38.2	8.26	8.9	37.5
2	8.25	2.0	39.7	8.24	2.0	39.7	8.75	10.7	37.1
3	11.47	2.6	39.8	11.48	2.6	39.8	9.61	5.3	37.9
4	11.82	1.2	39.9	11.83	1.2	40.0	10.68	5.5	35.8
5	12.93	.8	40.0	12.93	.8	40.0	13.07	2.3	39.8
6	14.50	1.5	40.0	14.52	1.5	40.0	12.97	6.8	39.9
7	16.81	1.2	39.8	16.77	1.2	39.9	17.95	5.2	39.4
8	18.57	2.9	39.8	18.57	2.9	39.8	—	—	—
9	22.31	3.2	39.0	22.31	3.2	39.0	—	—	—
Not able to be leveled	10.27	10.6	38.2	10.26	10.7	38.3	—	—	—
Lathe and turning machine set-up operators	13.42	3.7	40.0	13.42	3.7	40.0	—	—	—
4	12.78	5.7	40.0	12.78	5.7	40.0	—	—	—
5	13.37	3.6	40.0	13.37	3.6	40.0	—	—	—
6	14.01	3.7	40.0	14.01	3.7	40.0	—	—	—
7	15.13	7.8	39.5	15.13	7.8	39.5	—	—	—
Lathe and turning machine operators	12.26	4.4	39.9	12.26	4.4	39.9	—	—	—
3	10.53	8.4	39.2	10.53	8.4	39.2	—	—	—
4	11.98	9.1	39.9	11.98	9.1	39.9	—	—	—
5	12.68	5.2	39.7	12.68	5.2	39.7	—	—	—
6	15.74	4.5	41.8	15.74	4.5	41.8	—	—	—
7	18.37	5.5	40.0	18.37	5.5	40.0	—	—	—
Milling and planing machine operators									
5	12.68	5.8	44.0	12.68	5.8	44.0	—	—	—
Punching and stamping press operators	11.80	3.3	40.0	11.80	3.3	40.0	—	—	—
1	8.09	11.3	39.0	8.09	11.3	39.0	—	—	—
2	8.82	2.7	39.9	8.82	2.7	39.9	—	—	—
3	13.22	7.0	40.0	13.22	7.0	40.0	—	—	—
4	12.87	4.0	40.2	12.87	4.0	40.2	—	—	—
5	12.10	2.5	40.2	12.10	2.5	40.2	—	—	—
6	14.86	5.4	40.0	14.86	5.4	40.0	—	—	—
7	14.97	13.5	39.9	14.97	13.5	39.9	—	—	—

See footnotes at end of table.

Table 3-1. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1997—Continued

Occupational group 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									
Rolling machine operators	\$13.06	8.9	40.2	\$13.06	8.9	40.2	—	—	—
4	12.08	4.5	40.0	12.08	4.5	40.0	—	—	—
5	14.99	1.8	40.9	14.99	1.8	40.9	—	—	—
Drilling and boring machine operators	11.55	9.6	40.0	11.54	9.6	40.0	—	—	—
3	9.74	8.7	40.0	9.74	8.7	40.0	—	—	—
4	13.91	5.9	39.9	13.91	5.9	39.9	—	—	—
5	13.19	7.8	40.0	13.19	7.8	40.0	—	—	—
7	16.32	8.0	40.0	16.35	8.1	40.0	—	—	—
Grinding, abrading, buffing, and polishing machine operators	10.99	3.0	40.0	10.99	3.0	40.0	—	—	—
1	7.96	3.5	39.9	7.96	3.5	39.9	—	—	—
2	8.42	4.4	39.6	8.42	4.4	39.6	—	—	—
3	11.48	7.6	39.9	11.48	7.6	39.9	—	—	—
4	11.58	4.2	40.0	11.58	4.2	40.0	—	—	—
5	11.87	3.7	40.4	11.87	3.7	40.4	—	—	—
6	15.38	11.1	40.0	15.38	11.1	40.0	—	—	—
7	14.36	12.4	40.0	14.36	12.4	40.0	—	—	—
Forging machine operators	11.68	4.3	39.9	11.68	4.3	39.9	—	—	—
4	11.19	5.6	39.5	11.19	5.6	39.5	—	—	—
5	11.94	3.2	40.0	11.94	3.2	40.0	—	—	—
Numerical control machine operators	12.62	3.5	40.3	12.62	3.5	40.3	—	—	—
2	8.46	7.6	40.0	8.46	7.6	40.0	—	—	—
3	9.78	4.6	40.0	9.78	4.6	40.0	—	—	—
4	12.01	9.5	40.0	12.01	9.5	40.0	—	—	—
5	12.61	2.2	40.0	12.61	2.2	40.0	—	—	—
6	13.60	3.8	41.7	13.60	3.8	41.7	—	—	—
7	17.80	3.2	40.0	17.80	3.2	40.0	—	—	—
Fabricating machine operators, n.e.c.	12.62	2.4	40.0	12.62	2.4	40.0	—	—	—
1	7.70	7.2	39.8	7.70	7.2	39.8	—	—	—
2	8.55	4.7	40.0	8.55	4.7	40.0	—	—	—
3	13.29	6.4	40.0	13.29	6.4	40.0	—	—	—
4	13.14	4.7	40.1	13.14	4.7	40.1	—	—	—
5	12.16	2.3	40.1	12.16	2.3	40.1	—	—	—
6	14.84	2.9	40.0	14.84	2.9	40.0	—	—	—
7	14.54	8.9	40.0	14.54	8.9	40.0	—	—	—
Molding and casting machine operators	9.82	3.0	39.7	9.82	3.0	39.7	—	—	—
1	7.51	8.3	39.5	7.51	8.3	39.5	—	—	—
2	8.25	4.0	39.5	8.25	4.0	39.5	—	—	—
3	10.41	3.5	40.0	10.41	3.5	40.0	—	—	—
4	10.02	7.0	39.9	10.02	7.0	39.9	—	—	—
5	12.07	3.4	40.0	12.07	3.4	40.0	—	—	—
6	13.31	1.9	39.9	13.31	1.9	39.9	—	—	—
7	14.50	2.0	39.6	14.50	2.0	39.6	—	—	—
Not able to be leveled	5.52	9.0	34.0	5.52	9.0	34.0	—	—	—
Metal plating machine operators	11.62	3.9	40.3	11.62	3.9	40.3	—	—	—
2	9.08	5.6	40.0	9.08	5.6	40.0	—	—	—
3	8.81	9.3	38.3	8.81	9.3	38.3	—	—	—
4	12.23	7.0	41.4	12.23	7.0	41.4	—	—	—
5	11.94	4.7	40.2	11.94	4.7	40.2	—	—	—
7	15.95	4.8	40.0	15.95	4.8	40.0	—	—	—
Heat treating equipment operators	13.26	2.9	40.0	13.26	2.9	40.0	—	—	—
2	9.84	14.3	39.6	9.84	14.3	39.6	—	—	—
3	13.44	14.2	40.0	13.44	14.2	40.0	—	—	—
5	14.71	6.4	40.2	14.71	6.4	40.2	—	—	—
Wood lathe, routing, and planing machine operators	9.77	8.3	40.0	9.77	8.3	40.0	—	—	—
3	9.32	1.5	40.0	9.32	1.5	40.0	—	—	—
Sawing machine operators	8.96	5.5	39.8	8.96	5.5	39.8	—	—	—
3	8.55	9.2	40.2	8.55	9.2	40.2	—	—	—

See footnotes at end of table.

Table 3-1. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1997—Continued

Occupational group 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									
Sawing machine operators—Continued									
4	\$7.39	18.3	40.0	\$7.39	18.3	40.0	—	—	—
5	10.57	4.0	40.0	10.57	4.0	40.0	—	—	—
Shaping and jointing machine operators	9.09	6.8	39.9	9.09	6.8	39.9	—	—	—
Nailing and tacking machine operators	9.13	2.4	40.0	9.13	2.4	40.0	—	—	—
Printing press operators	14.67	3.1	39.2	14.83	3.3	39.2	\$11.65	4.2	38.5
1	8.18	9.9	36.8	8.18	9.9	36.8	—	—	—
2	8.25	3.9	40.0	8.25	3.9	40.0	—	—	—
3	9.69	3.9	39.7	9.61	4.5	39.6	—	—	—
4	11.79	4.8	39.5	11.86	5.1	39.7	10.68	5.4	36.7
5	12.88	4.9	39.2	12.91	5.5	39.2	—	—	—
6	16.46	7.2	39.0	16.45	7.2	39.0	—	—	—
7	18.01	2.5	39.4	18.06	2.5	39.4	—	—	—
8	20.07	11.1	38.0	20.07	11.1	38.0	—	—	—
9	21.86	5.3	37.5	21.86	5.3	37.5	—	—	—
Photoengravers and lithographers	14.51	3.5	38.8	14.51	3.5	38.8	—	—	—
3	9.69	5.0	36.2	9.69	5.0	36.2	—	—	—
4	13.76	9.3	38.1	13.76	9.3	38.1	—	—	—
5	14.11	2.7	39.7	14.11	2.7	39.7	—	—	—
6	16.02	6.4	38.7	16.02	6.4	38.7	—	—	—
7	17.74	3.5	39.4	17.74	3.5	39.4	—	—	—
Typesetters and compositors	13.00	5.9	37.3	12.69	5.7	37.6	—	—	—
4	10.86	10.0	36.3	10.93	10.3	37.3	—	—	—
5	12.65	6.5	38.1	12.66	6.8	38.0	—	—	—
7	15.94	5.5	38.0	15.11	4.7	38.5	—	—	—
Winding and twisting machine operators	10.59	6.7	40.1	10.59	6.7	40.1	—	—	—
1	7.89	6.2	40.0	7.89	6.2	40.0	—	—	—
2	8.56	2.6	39.9	8.56	2.6	39.9	—	—	—
3	9.94	2.9	40.5	9.94	2.9	40.5	—	—	—
5	10.72	6.7	39.0	10.72	6.7	39.0	—	—	—
Knitting, looping, taping, and weaving machine operators	9.15	3.1	40.3	9.15	3.1	40.3	—	—	—
1	8.58	11.8	40.8	8.58	11.8	40.8	—	—	—
2	7.34	2.9	40.0	7.34	2.9	40.0	—	—	—
3	9.78	3.0	40.8	9.78	3.0	40.8	—	—	—
5	11.47	6.8	40.3	11.47	6.8	40.3	—	—	—
Textile cutting machine operators	9.37	8.2	40.3	9.37	8.2	40.3	—	—	—
2	8.72	18.7	40.3	8.72	18.7	40.3	—	—	—
3	8.17	8.7	40.0	8.17	8.7	40.0	—	—	—
4	11.78	4.3	40.9	11.78	4.3	40.9	—	—	—
Textile sewing machine operators	7.16	3.9	39.4	7.16	3.9	39.4	—	—	—
1	6.63	7.0	38.5	6.63	7.0	38.5	—	—	—
2	6.69	3.9	39.8	6.69	3.9	39.8	—	—	—
3	8.32	6.5	39.7	8.32	6.5	39.7	—	—	—
4	10.50	11.3	39.4	10.50	11.4	39.4	—	—	—
Shoe machine operators	8.82	8.1	39.9	8.82	8.1	39.9	—	—	—
2	9.37	5.3	40.0	9.37	5.3	40.0	—	—	—
Pressing machine operators	7.10	3.7	39.7	7.10	3.7	39.7	—	—	—
1	6.37	5.3	39.8	6.37	5.3	39.8	—	—	—
3	8.34	8.2	39.7	8.34	8.2	39.7	—	—	—
Laundry and dry cleaning machine operators	7.19	1.5	37.6	7.07	1.5	37.7	8.77	6.1	37.2
1	6.83	1.9	37.6	6.72	1.9	37.6	8.25	8.9	37.9
2	7.12	3.8	37.5	6.96	3.7	37.5	9.53	9.5	36.7
3	8.34	2.9	38.5	8.30	3.1	38.4	—	—	—
4	8.51	8.3	34.4	8.02	6.8	36.2	—	—	—
Cementing and gluing machine operators	9.86	8.8	40.0	9.86	8.8	40.0	—	—	—
2	7.96	12.1	40.0	7.96	12.1	40.0	—	—	—
3	10.68	8.8	40.0	10.68	8.8	40.0	—	—	—
4	11.79	3.2	40.0	11.79	3.2	40.0	—	—	—

See footnotes at end of table.

Table 3-1. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1997—Continued

Occupational group 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									
Cementing and gluing machine operators—Continued									
5	\$11.41	9.2	40.0	\$11.41	9.2	40.0	—	—	—
Packaging and filling machine operators									
1	10.07	4.8	39.2	10.07	4.8	39.2	—	—	—
2	7.23	5.0	38.7	7.23	5.0	38.7	—	—	—
3	8.39	6.8	39.4	8.39	6.8	39.4	—	—	—
4	9.67	9.7	38.6	9.67	9.7	38.6	—	—	—
5	10.98	11.9	39.8	10.98	11.9	39.8	—	—	—
6	15.18	6.5	39.9	15.18	6.5	39.9	—	—	—
7	15.46	7.2	40.0	15.46	7.2	40.0	—	—	—
Extruding and forming machine operators									
2	10.76	3.2	39.8	10.76	3.2	39.8	—	—	—
3	8.76	6.6	39.9	8.76	6.6	39.9	—	—	—
4	11.83	6.6	40.1	11.83	6.6	40.1	—	—	—
5	11.35	8.7	39.5	11.35	8.7	39.5	—	—	—
6	13.24	3.3	37.6	13.24	3.3	37.6	—	—	—
Mixing and blending machine operators									
1	12.57	2.6	40.1	12.57	2.6	40.1	—	—	—
2	8.65	16.3	39.2	8.65	16.3	39.2	—	—	—
3	9.79	6.5	40.3	9.79	6.5	40.3	—	—	—
4	11.81	6.5	40.0	11.81	6.5	40.0	—	—	—
5	12.20	4.1	40.4	12.20	4.1	40.4	—	—	—
6	14.01	6.9	39.9	14.01	6.9	39.9	—	—	—
7	15.69	7.2	40.2	15.69	7.2	40.2	—	—	—
8	15.99	6.2	40.0	15.99	6.2	40.0	—	—	—
Separating, filtering, and clarifying machine operators									
3	15.26	3.5	39.9	15.27	3.5	39.9	—	—	—
4	14.68	6.6	40.0	14.68	6.6	40.0	—	—	—
5	13.40	7.3	39.9	13.40	7.3	39.9	—	—	—
6	14.18	4.7	40.4	14.18	4.7	40.4	—	—	—
7	18.03	8.1	39.2	18.03	8.1	39.2	—	—	—
8	18.59	4.8	39.6	18.96	4.6	39.6	—	—	—
Compressing and compacting machine operators									
1	10.16	3.3	40.0	10.18	3.3	40.2	—	—	—
2	9.12	8.5	32.7	9.12	8.5	32.7	—	—	—
3	9.25	4.9	40.0	9.25	4.9	40.0	—	—	—
4	10.75	8.0	39.3	10.86	7.9	40.0	—	—	—
Painting and paint spraying machine operators									
2	11.53	2.8	40.2	11.53	2.8	40.2	—	—	—
3	9.77	7.6	40.0	9.77	7.6	40.0	—	—	—
4	12.40	5.2	40.0	12.40	5.2	40.0	—	—	—
5	11.88	5.3	40.4	11.88	5.3	40.4	—	—	—
6	11.78	5.0	40.4	11.78	5.0	40.4	—	—	—
7	14.49	2.4	40.1	14.49	2.4	40.1	—	—	—
8	15.25	8.5	41.4	15.25	8.5	41.4	—	—	—
Roasting and baking machine operators, food ..									
3	11.10	9.2	39.5	11.10	9.2	39.5	—	—	—
Washing, cleaning, and pickling machine operators									
1	10.64	7.6	38.1	10.64	7.6	38.1	—	—	—
2	6.74	7.4	28.6	6.74	7.4	28.6	—	—	—
3	8.55	3.9	40.0	8.55	3.9	40.0	—	—	—
4	12.19	12.9	40.2	12.19	12.9	40.2	—	—	—
Folding machine operators									
2	10.95	4.6	39.6	10.95	4.6	39.6	—	—	—
3	8.05	9.5	40.0	8.05	9.5	40.0	—	—	—
4	10.28	6.6	38.9	10.28	6.6	38.9	—	—	—
5	10.52	3.0	40.0	10.52	3.0	40.0	—	—	—
6	14.39	7.8	40.0	14.39	7.8	40.0	—	—	—
Furnace, kiln, and oven operators, except food ..									
3	12.98	5.5	39.9	12.85	5.8	39.9	\$14.76	3.6	39.1
4	12.92	12.7	40.0	12.92	12.7	40.0	—	—	—
5	14.23	5.6	39.8	14.21	5.9	39.8	—	—	—
6	15.62	3.6	40.0	15.86	4.2	40.0	—	—	—
7	17.99	6.5	40.1	18.01	8.1	40.1	—	—	—
Crushing and grinding machine operators									
3	11.39	5.9	40.0	11.39	5.9	40.0	—	—	—

See footnotes at end of table.

Table 3-1. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1997—Continued

Occupational group 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									
Crushing and grinding machine operators—Continued									
1	\$6.58	8.8	40.0	\$6.58	8.8	40.0	—	—	—
2	11.88	4.7	40.2	11.88	4.7	40.2	—	—	—
3	11.89	6.5	40.1	11.89	6.5	40.1	—	—	—
4	12.52	5.5	40.0	12.52	5.5	40.0	—	—	—
5	14.21	7.1	40.0	14.21	7.1	40.0	—	—	—
Slicing and cutting machine operators	11.71	5.0	39.8	11.71	5.0	39.8	—	—	—
2	9.26	6.8	38.4	9.26	6.8	38.4	—	—	—
3	10.28	3.5	39.9	10.28	3.5	39.9	—	—	—
4	11.61	7.1	40.2	11.61	7.1	40.2	—	—	—
5	13.78	2.6	40.0	13.78	2.6	40.0	—	—	—
6	15.31	3.9	40.0	15.31	3.9	40.0	—	—	—
7	17.45	7.3	40.0	17.45	7.3	40.0	—	—	—
Photographic process machine operators	10.60	5.0	38.4	10.61	5.0	38.4	—	—	—
1	6.80	8.0	35.6	6.80	8.0	35.6	—	—	—
2	8.31	3.5	38.8	8.31	3.5	38.8	—	—	—
3	9.26	4.6	38.6	9.27	4.6	38.6	—	—	—
4	11.67	10.9	38.6	11.67	10.9	38.6	—	—	—
5	11.93	5.8	39.7	11.93	5.8	39.7	—	—	—
7	16.46	4.1	39.5	16.46	4.1	39.5	—	—	—
Miscellaneous machine operators, n.e.c.	11.57	2.4	39.6	11.56	2.4	39.6	\$14.28	14.2	38.3
1	7.41	5.2	37.5	7.41	5.2	37.5	—	—	—
2	8.75	1.6	39.7	8.75	1.6	39.7	—	—	—
3	9.80	3.9	39.9	9.79	4.0	39.9	—	—	—
4	12.22	2.5	39.7	12.24	2.5	39.7	—	—	—
5	14.16	1.7	40.0	14.16	1.7	40.0	—	—	—
6	15.62	2.8	40.1	15.66	2.8	40.1	—	—	—
7	17.27	3.1	39.9	17.13	3.0	39.9	—	—	—
Not able to be leveled	10.03	12.3	39.8	10.03	12.3	39.8	—	—	—
Welders and cutters	13.70	1.6	40.1	13.59	1.9	40.1	16.89	7.8	40.0
1	10.22	14.0	40.0	10.22	14.0	40.0	—	—	—
2	9.16	6.0	40.0	9.16	6.0	40.0	—	—	—
3	13.35	6.4	40.0	13.35	6.4	40.0	—	—	—
4	11.65	5.9	40.2	11.65	5.9	40.2	—	—	—
5	13.05	2.6	40.3	13.05	2.6	40.3	—	—	—
6	13.50	2.6	40.1	13.54	2.6	40.1	—	—	—
7	17.24	2.0	39.9	17.18	2.0	39.9	17.63	6.6	40.0
8	18.42	7.2	40.0	18.42	7.2	40.0	—	—	—
Solders and braziers	8.54	8.1	40.0	8.54	8.1	40.0	—	—	—
2	7.97	2.2	40.0	7.97	2.2	40.0	—	—	—
3	8.52	6.3	40.3	8.52	6.3	40.3	—	—	—
4	11.21	5.4	40.0	11.21	5.4	40.0	—	—	—
5	10.41	4.7	40.0	10.41	4.7	40.0	—	—	—
Assemblers	11.15	2.6	39.4	11.15	2.6	39.4	—	—	—
1	7.19	3.5	37.6	7.19	3.5	37.6	—	—	—
2	8.71	2.2	39.8	8.71	2.2	39.8	—	—	—
3	14.04	3.2	39.8	14.04	3.2	39.8	—	—	—
4	12.65	3.2	39.9	12.65	3.2	39.9	—	—	—
5	12.57	4.8	39.8	12.57	4.8	39.8	—	—	—
6	13.41	6.0	39.9	13.41	6.0	39.9	—	—	—
7	16.19	3.1	40.0	16.19	3.1	40.0	—	—	—
Hand cutting and trimming	8.89	5.8	39.7	8.89	5.8	39.7	—	—	—
1	5.62	7.0	40.0	5.62	7.0	40.0	—	—	—
2	8.51	2.4	38.8	8.51	2.4	38.8	—	—	—
3	11.27	5.9	40.0	11.27	5.9	40.0	—	—	—
4	10.97	12.7	40.0	10.97	12.7	40.0	—	—	—
Hand molding, casting, and forming	12.03	7.2	39.9	12.03	7.2	39.9	—	—	—
2	7.20	5.2	38.8	7.20	5.2	38.8	—	—	—

See footnotes at end of table.

Table 3-1. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1997—Continued

Occupational group 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 painting, coating, and decorating	\$10.03	6.2	39.1	\$10.08	6.3	39.1	—	—	—
1	7.46	3.7	37.8	7.46	3.7	37.8	—	—	—
2	8.96	13.0	40.0	9.53	12.4	40.0	—	—	—
3	9.13	9.2	37.3	9.13	9.2	37.3	—	—	—
4	8.90	7.8	40.0	8.90	7.8	40.0	—	—	—
5	13.61	14.4	40.0	13.61	14.4	40.0	—	—	—
Hand engraving and printing	8.13	7.6	40.1	8.13	7.6	40.1	—	—	—
Miscellaneous hand working, n.e.c.	9.50	3.2	38.6	9.50	3.2	38.6	—	—	—
1	7.32	4.1	36.2	7.32	4.1	36.2	—	—	—
2	8.60	5.2	39.7	8.60	5.2	39.7	—	—	—
3	11.32	6.1	39.6	11.32	6.1	39.6	—	—	—
4	11.45	5.8	40.0	11.45	5.8	40.0	—	—	—
5	13.21	3.3	40.0	13.21	3.3	40.0	—	—	—
6	12.40	6.1	39.9	12.40	6.1	39.9	—	—	—
Production inspectors, checkers and examiners	10.68	3.0	39.9	10.68	3.1	39.9	—	—	—
1	6.78	6.8	39.5	6.78	6.8	39.5	—	—	—
2	8.49	6.5	40.0	8.49	6.5	40.0	—	—	—
3	10.50	4.2	39.8	10.50	4.2	39.8	—	—	—
4	10.66	2.3	39.8	10.66	2.3	39.8	—	—	—
5	11.70	2.2	40.0	11.70	2.2	40.0	—	—	—
6	14.47	5.2	40.1	14.47	5.2	40.1	—	—	—
7	14.76	5.5	40.4	14.81	5.5	40.4	—	—	—
Production testers	11.45	4.2	40.1	11.45	4.2	40.1	—	—	—
1	7.18	8.6	40.0	7.18	8.6	40.0	—	—	—
2	8.28	2.6	40.0	8.28	2.6	40.0	—	—	—
3	11.56	10.8	40.1	11.56	10.8	40.1	—	—	—
4	10.93	4.6	40.3	10.93	4.6	40.3	—	—	—
5	12.27	7.8	40.0	12.27	7.8	40.0	—	—	—
6	14.79	6.5	40.0	14.79	6.5	40.0	—	—	—
7	15.03	8.9	40.0	15.03	8.9	40.0	—	—	—
Production samplers and weighers	12.51	7.2	40.3	12.51	7.2	40.3	—	—	—
3	12.84	5.0	39.7	12.84	5.0	39.7	—	—	—
Graders and sorters, except agricultural	8.66	8.3	40.2	8.66	8.3	40.2	—	—	—
1	7.25	8.3	40.6	7.25	8.3	40.6	—	—	—
3	10.30	9.1	39.2	10.30	9.1	39.2	—	—	—
Hand inspectors, n.e.c.	9.57	8.1	39.9	9.57	8.1	39.9	—	—	—
2	9.06	4.9	40.0	9.06	4.9	40.0	—	—	—
Transportation and material moving	13.24	1.2	37.5	13.30	1.4	38.3	\$12.93	1.7	33.6
1	7.30	2.9	31.1	7.22	3.0	31.3	9.16	8.4	26.2
2	9.47	2.4	33.7	9.16	2.8	34.7	11.08	3.2	29.4
3	11.60	1.5	35.4	11.65	1.8	36.9	11.39	3.2	30.5
4	13.23	2.2	37.6	13.31	2.5	38.1	12.68	3.5	34.6
5	14.74	1.7	40.5	14.91	2.0	41.6	13.92	2.6	36.3
6	16.38	2.6	42.0	16.90	2.5	42.7	13.98	7.0	39.4
7	17.98	3.8	40.1	18.41	4.3	41.4	16.53	6.9	36.4
8	20.20	5.4	47.0	20.22	5.9	47.7	—	—	—
9	22.99	5.7	42.3	23.26	6.4	42.6	20.41	3.2	40.0
Supervisors, motor vehicle operators	15.12	6.5	41.1	15.80	6.1	41.9	13.79	12.9	39.8
5	12.46	5.1	40.1	12.65	7.1	40.4	—	—	—
6	11.32	11.0	40.9	13.69	3.5	42.6	—	—	—
7	17.86	4.5	41.2	17.84	5.6	41.8	17.91	7.7	40.0
8	19.69	13.7	44.1	19.48	16.7	45.1	—	—	—
9	21.35	4.3	40.4	21.51	4.6	40.4	—	—	—
Truck drivers	13.92	1.6	39.9	14.01	1.6	40.0	12.59	3.5	39.1
1	7.28	3.8	34.1	7.26	3.9	34.2	—	—	—
2	9.87	3.8	38.2	9.81	4.2	38.2	10.32	6.4	38.1
3	11.98	3.6	37.9	11.94	3.8	37.6	12.22	10.0	39.7
4	13.79	2.7	38.4	13.85	2.8	38.4	12.83	4.5	38.8

See footnotes at end of table.

Table 3-1. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1997—Continued

Occupational group 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—Continued									
5	\$15.43	2.2	42.8	\$15.53	2.3	42.9	\$13.21	3.1	39.6
6	16.87	2.9	43.6	16.90	3.0	43.7	15.83	6.7	39.9
7	16.95	7.2	41.8	17.04	8.1	42.0	16.22	6.2	40.0
Driver-sales workers	13.13	4.6	39.0	13.12	4.6	39.0	—	—	—
1	5.79	6.2	27.7	5.79	6.2	27.7	—	—	—
2	7.93	4.6	29.0	7.93	4.6	29.0	—	—	—
3	10.86	5.9	39.3	10.75	5.8	39.3	—	—	—
4	14.10	5.5	41.0	14.10	5.5	41.0	—	—	—
5	13.37	7.6	43.2	13.37	7.6	43.2	—	—	—
6	16.35	8.7	40.4	16.35	8.7	40.4	—	—	—
7	16.16	15.7	44.8	16.16	15.7	44.8	—	—	—
Bus drivers	12.06	1.9	28.6	10.63	3.6	29.3	12.99	1.8	28.2
1	9.22	10.9	24.7	—	—	—	10.23	11.3	21.7
2	10.42	4.4	26.6	9.28	9.0	27.9	11.57	3.8	25.3
3	10.67	2.3	26.3	8.97	5.3	26.2	11.27	2.4	26.4
4	12.57	3.7	30.7	11.49	5.4	30.9	13.75	4.3	30.4
5	14.59	3.7	32.1	12.78	10.0	31.3	15.33	2.7	32.5
6	15.69	5.4	36.2	—	—	—	15.77	5.4	36.5
Taxicab drivers and chauffeurs	8.00	5.2	31.5	7.92	5.0	31.5	9.07	25.8	31.0
1	6.61	7.3	28.6	6.64	7.5	28.7	—	—	—
2	6.93	3.3	32.1	6.93	3.3	31.8	—	—	—
3	10.55	17.8	29.3	10.38	20.4	29.7	—	—	—
4	11.29	6.2	36.1	11.34	6.5	36.4	—	—	—
Parking lot attendants	6.81	4.3	26.9	6.77	4.3	26.7	—	—	—
1	6.73	4.1	27.8	6.65	4.3	27.6	—	—	—
2	6.15	7.3	22.8	6.15	7.3	22.8	—	—	—
3	8.06	11.7	33.5	8.06	11.7	33.5	—	—	—
Motor transportation, n.e.c.	8.63	5.2	32.0	7.81	5.5	31.0	13.21	5.6	39.0
1	6.08	2.4	26.3	6.08	2.5	26.1	—	—	—
2	7.20	8.9	32.3	6.51	6.1	31.7	—	—	—
3	9.63	8.5	34.9	9.69	8.9	35.2	8.18	12.2	28.1
4	10.67	7.7	36.0	9.65	9.1	35.2	14.29	10.8	39.3
5	13.60	8.4	40.0	13.27	16.7	40.0	—	—	—
Railroad conductors and yardmasters	23.43	7.3	40.5	23.43	7.6	40.5	—	—	—
7	24.80	7.0	40.0	24.87	7.3	40.0	—	—	—
Locomotive operating	22.51	8.9	40.8	24.05	11.3	41.3	19.27	4.0	40.0
5	17.38	3.5	40.0	14.80	5.7	40.0	—	—	—
Rail vehicle operators, n.e.c.	19.70	1.9	40.0	—	—	—	—	—	—
Ship captains and mates, except fishing boats ..	16.12	6.9	52.0	15.99	6.8	52.4	—	—	—
7	17.17	9.1	40.1	16.92	9.4	40.1	—	—	—
8	16.54	11.4	62.4	16.54	11.4	62.4	—	—	—
9	16.42	11.9	57.7	16.09	11.2	58.2	—	—	—
Sailors and deckhands	9.20	7.2	48.3	8.90	7.0	49.0	—	—	—
1	7.19	1.0	58.0	7.19	1.0	58.0	—	—	—
3	11.95	14.1	40.1	11.90	14.8	41.3	—	—	—
5	14.40	13.9	40.0	—	—	—	—	—	—
Marine engineers	11.95	21.5	57.3	11.68	21.2	57.9	—	—	—
Supervisors, material moving equipment	18.78	5.9	41.3	19.15	5.7	41.4	14.47	10.9	39.3
5	11.53	9.1	42.6	—	—	—	—	—	—
6	15.75	4.0	40.8	15.84	4.7	41.6	—	—	—
7	16.06	2.9	40.8	16.10	3.0	40.8	—	—	—
8	22.12	4.4	45.8	22.33	4.9	46.1	—	—	—
Operating engineers	14.94	6.9	40.1	17.58	8.6	40.1	12.92	7.7	40.0
4	11.49	11.0	40.2	13.52	11.7	41.2	11.07	11.2	40.0
5	14.61	7.1	40.0	15.41	12.8	40.0	13.70	7.0	40.0
6	18.41	7.6	40.0	21.75	4.8	40.0	14.48	4.5	40.0
7	19.06	5.4	40.0	20.51	7.4	40.0	17.37	7.2	40.0
Longshore equipment operators	20.66	8.4	30.1	20.66	8.4	30.1	—	—	—
Hoist and winch operators	11.65	7.9	40.8	11.65	7.9	40.8	—	—	—

See footnotes at end of table.

Table 3-1. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1997—Continued

Occupational group 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									
Crane and tower operators	\$15.68	3.5	40.3	\$15.67	3.5	40.3	—	—	—
4	13.97	4.4	40.0	14.03	4.4	40.0	—	—	—
5	14.48	4.8	41.1	14.48	4.8	41.1	—	—	—
6	19.44	6.2	40.0	19.44	6.2	40.0	—	—	—
7	18.46	14.1	40.0	18.37	14.7	40.0	—	—	—
Excavating and loading machine operators	13.68	5.2	40.1	14.10	5.9	40.2	\$12.60	9.3	39.8
2	10.22	16.3	40.0	10.20	16.9	40.0	—	—	—
3	11.05	9.7	39.9	12.10	12.0	40.0	—	—	—
4	11.96	8.7	39.7	12.94	13.5	40.0	11.38	10.5	39.6
5	13.98	7.5	40.2	14.11	8.4	40.3	12.98	12.2	40.0
6	18.33	9.1	40.0	20.56	8.2	40.0	—	—	—
7	16.95	10.4	40.0	19.08	7.1	40.0	—	—	—
Grader, dozer, and scrapper operators	12.97	6.7	40.0	14.23	10.3	40.3	12.04	8.6	39.9
2	10.20	3.5	40.0	—	—	—	—	—	—
3	9.50	5.9	40.0	9.42	3.2	40.0	—	—	—
4	10.12	4.6	40.0	11.16	3.5	40.0	9.50	6.7	40.0
5	11.28	6.4	40.0	12.11	9.2	40.1	10.41	8.0	39.8
6	17.25	9.0	40.0	—	—	—	14.43	3.9	40.0
7	16.78	13.1	40.2	19.17	15.0	40.9	15.44	17.7	39.8
Industrial truck and tractor equipment operators	11.69	1.8	39.6	11.70	1.8	39.6	11.37	3.8	40.0
1	9.69	7.9	40.0	9.72	8.1	40.0	—	—	—
2	9.64	2.5	39.4	9.64	2.5	39.4	—	—	—
3	11.62	1.6	39.5	11.62	1.6	39.5	—	—	—
4	12.22	3.4	39.8	12.23	3.5	39.8	—	—	—
5	12.95	3.1	39.5	13.00	3.2	39.5	—	—	—
7	15.83	5.9	40.0	16.33	5.9	40.0	—	—	—
Miscellaneous material moving equipment operators, n.e.c.	13.90	3.4	36.5	14.15	4.0	36.0	12.90	4.8	38.4
1	8.24	8.3	28.3	8.24	8.3	28.3	—	—	—
2	11.82	5.9	35.3	11.87	6.1	35.2	—	—	—
3	13.80	5.7	33.2	14.08	6.0	32.8	10.07	9.3	39.2
4	14.46	8.4	39.5	15.07	8.8	39.5	10.38	4.0	39.4
5	15.53	3.2	37.7	16.40	3.2	38.3	14.14	4.9	36.7
6	13.14	8.7	39.1	15.85	4.8	38.4	10.32	6.8	39.9
7	19.38	5.3	39.6	19.91	7.0	40.0	18.84	7.3	39.2
Handlers, equipment cleaners, helpers, and laborers									
1	7.34	1.4	32.5	7.29	1.4	32.4	8.66	4.0	36.0
2	8.75	1.4	36.5	8.73	1.4	36.3	9.07	3.3	38.1
3	10.52	2.0	37.7	10.51	2.2	37.7	10.71	2.8	38.6
4	11.77	1.5	38.9	11.55	1.4	38.8	13.31	5.1	39.3
5	13.42	2.3	39.4	13.31	2.7	39.3	13.90	2.6	39.8
6	14.95	4.7	39.0	15.10	5.8	39.0	14.40	4.2	39.2
7	15.59	3.2	39.9	15.18	3.6	39.9	17.26	3.4	40.0
8	17.25	3.5	42.1	16.88	4.9	43.3	—	—	—
9	20.14	5.5	40.7	20.89	10.5	41.1	—	—	—
Not able to be leveled	10.66	9.8	37.1	11.33	8.5	36.8	9.52	21.6	37.6
Nursery workers	6.65	2.8	38.0	6.56	2.6	37.7	—	—	—
Supervisors, agriculture-related workers	16.56	5.6	40.0	16.66	12.4	40.2	16.49	4.0	39.8
5	12.13	4.4	40.2	—	—	—	—	—	—
6	14.28	9.5	40.4	—	—	—	15.39	10.1	40.6
7	17.34	4.2	40.2	14.67	5.0	40.7	18.06	3.9	40.0
9	22.87	8.1	40.0	—	—	—	—	—	—
Groundskeepers and gardeners, except farm ...	9.11	3.7	38.1	8.24	2.1	38.4	11.03	3.1	37.4
1	6.81	3.6	34.3	6.39	3.6	35.0	7.50	4.4	33.2
2	—	—	—	—	—	—	8.59	7.2	37.2
3	9.66	3.4	38.3	8.58	3.1	37.7	10.74	4.4	39.0
4	11.10	4.1	38.1	9.41	3.7	37.5	12.80	5.0	38.7
5	13.40	4.2	38.7	12.31	5.4	37.6	14.32	5.3	39.6

See footnotes at end of table.

Table 3-1. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1997—Continued

Occupational group 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									
Groundskeepers and gardeners, except farm—Continued									
6	\$15.51	5.0	39.1	—	—	—	\$15.79	5.0	39.2
7	17.05	10.1	39.8	—	—	—	17.81	14.1	40.0
Animal caretakers, except farm	9.76	8.5	38.1	\$9.05	13.0	36.7	10.38	10.7	39.4
2	8.01	8.2	39.7	—	—	—	8.26	8.8	40.0
3	6.30	8.7	38.6	—	—	—	—	—	—
4	12.08	12.8	38.8	—	—	—	—	—	—
Inspectors, agricultural products	7.68	5.8	36.5	7.56	8.1	36.0	—	—	—
1	7.01	2.7	35.6	7.01	2.7	35.6	—	—	—
Supervisors, handlers, equipment cleaners, and laborers, n.e.c.	14.14	2.3	39.9	13.88	2.6	39.9	15.28	4.4	39.6
3	8.93	12.6	39.1	8.93	12.6	39.1	—	—	—
4	12.64	10.5	39.2	12.36	12.3	39.0	—	—	—
5	13.21	4.8	40.2	12.94	4.8	40.3	14.14	11.7	39.9
6	13.34	4.5	38.2	13.72	6.0	38.1	12.08	1.1	38.4
7	14.84	4.6	40.4	14.50	4.6	40.4	17.36	3.8	40.0
8	17.64	4.0	42.0	17.24	7.1	43.8	—	—	—
9	17.65	7.2	41.4	17.55	9.6	41.9	—	—	—
Not able to be leveled	15.96	9.8	40.0	—	—	—	—	—	—
Helpers, mechanics and repairers	10.95	4.9	39.1	10.66	6.0	39.3	12.05	9.3	38.0
1	8.76	13.2	37.9	8.60	14.7	38.0	—	—	—
2	8.65	5.2	38.6	8.52	5.9	39.3	9.44	6.5	34.3
3	11.27	8.4	39.7	11.06	9.5	40.1	14.27	10.4	34.3
4	11.62	4.6	40.1	11.04	5.3	40.8	13.18	6.9	38.3
5	14.75	8.0	37.8	14.97	13.3	36.2	14.50	6.3	39.9
Helpers, construction trades	9.54	2.7	39.5	9.41	2.8	39.5	11.25	7.8	40.0
1	7.87	2.5	38.7	7.92	2.6	38.7	—	—	—
2	8.72	4.2	39.7	8.73	4.4	39.7	—	—	—
3	10.43	7.5	39.7	10.33	8.0	39.7	11.90	13.5	40.0
4	10.75	5.7	40.2	10.63	6.1	40.3	11.76	7.8	40.0
5	12.07	7.1	39.5	11.46	7.8	39.3	—	—	—
Helpers, extractive	14.17	13.0	38.4	14.17	13.0	38.4	—	—	—
Construction laborers	10.55	4.5	39.3	10.52	5.4	39.3	10.70	4.4	39.2
1	7.67	2.5	39.1	7.61	2.6	39.0	8.19	7.2	39.7
2	10.25	8.0	38.6	10.56	10.0	39.1	9.42	9.6	37.5
3	11.78	7.4	40.0	12.03	9.3	40.1	10.95	6.2	40.0
4	13.61	3.7	39.9	14.19	4.6	39.8	12.17	4.7	40.0
5	16.46	6.2	40.0	17.06	6.3	40.0	14.29	5.1	40.0
6	15.55	3.8	40.0	15.80	4.4	40.0	—	—	—
7	15.75	4.3	40.0	—	—	—	—	—	—
Production helpers	9.61	3.6	39.1	9.61	3.6	39.3	9.42	8.6	26.6
1	7.50	4.6	38.6	7.49	4.6	38.9	—	—	—
2	9.14	6.6	39.0	9.14	6.6	39.0	—	—	—
3	10.04	3.1	39.3	10.08	3.2	39.6	—	—	—
4	10.98	3.4	39.6	10.95	3.4	39.6	—	—	—
5	13.52	3.3	40.0	13.52	3.3	40.0	—	—	—
Garbage collectors	12.99	11.4	39.4	11.44	17.1	39.4	13.46	12.4	39.4
1	9.93	9.0	38.7	—	—	—	10.47	11.2	38.7
2	13.19	13.9	39.8	—	—	—	11.41	11.6	39.4
3	9.54	14.6	40.0	—	—	—	9.54	14.6	40.0
Stevedores	19.22	4.0	38.8	19.25	4.0	38.8	—	—	—
Stock handlers and baggers	8.25	1.8	29.5	8.22	1.8	29.5	10.91	5.2	38.6
1	6.57	1.5	25.1	6.57	1.5	25.1	—	—	—
2	7.81	2.0	31.6	7.80	2.0	31.5	—	—	—
3	9.77	3.0	35.8	9.74	3.1	35.7	11.98	4.8	40.0
4	11.69	2.1	38.3	11.72	2.1	38.3	—	—	—
5	12.72	2.3	38.7	12.74	2.3	38.6	—	—	—
6	12.90	4.9	39.4	12.90	4.9	39.4	—	—	—

See footnotes at end of table.

Table 3-1. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1997—Continued

Occupational group 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									
Not able to be leveled	\$10.84	18.0	34.6	\$10.84	18.0	34.6	—	—	—
Machine feeders and offbearers	9.16	2.8	38.8	9.16	2.8	38.7	—	—	—
1	7.91	7.3	38.6	7.91	7.3	38.6	—	—	—
2	8.91	3.8	37.8	8.93	3.8	37.7	—	—	—
3	9.62	5.1	39.5	9.62	5.1	39.5	—	—	—
4	11.45	9.7	39.7	11.45	9.7	39.7	—	—	—
5	12.90	2.0	39.9	12.90	2.0	39.9	—	—	—
Freight, stock, and material handlers, n.e.c.	10.47	2.6	34.5	10.47	2.6	34.4	\$10.69	11.5	40.0
1	8.07	4.2	31.6	8.06	4.2	31.6	—	—	—
2	9.61	4.3	33.2	9.62	4.3	33.1	—	—	—
3	12.44	5.2	36.6	12.44	5.2	36.6	—	—	—
4	11.96	4.6	38.2	11.98	4.7	38.2	—	—	—
5	12.23	6.4	39.3	12.20	6.5	39.3	—	—	—
6	15.05	5.8	39.6	15.05	5.8	39.6	—	—	—
7	18.21	1.4	36.5	18.22	1.4	36.5	—	—	—
Not able to be leveled	11.43	14.6	34.1	11.43	14.6	34.1	—	—	—
Garage and service station related	8.68	10.7	32.4	8.42	11.2	32.2	12.31	8.3	34.7
2	7.79	6.5	34.9	7.36	5.1	34.3	—	—	—
3	9.02	9.7	35.4	8.60	9.0	36.6	—	—	—
4	12.47	15.4	35.3	12.38	16.2	35.1	—	—	—
Vehicle washers and equipment cleaners	8.45	4.1	37.1	8.41	4.1	37.0	11.40	8.8	39.7
1	6.95	5.0	35.9	6.95	5.0	35.9	—	—	—
2	8.80	6.2	37.9	8.80	6.2	37.9	—	—	—
3	10.38	5.8	38.1	10.39	6.0	38.0	—	—	—
4	12.07	4.5	40.1	11.92	4.9	40.2	—	—	—
5	12.55	6.0	40.1	12.55	6.0	40.1	—	—	—
Hand packers and packagers	8.17	1.8	37.6	8.17	1.8	37.6	—	—	—
1	7.25	2.3	36.4	7.25	2.3	36.4	—	—	—
2	8.03	2.6	38.6	8.03	2.6	38.6	—	—	—
3	9.94	4.8	39.1	9.94	4.8	39.1	—	—	—
4	11.13	4.8	39.4	11.13	4.8	39.4	—	—	—
5	10.97	7.4	39.9	10.97	7.4	39.9	—	—	—
Laborers, except construction, n.e.c.	8.94	1.4	37.1	8.77	1.6	37.0	10.35	2.7	38.1
1	7.62	3.1	35.6	7.53	3.4	35.6	8.87	5.7	36.3
2	9.11	3.3	38.3	9.11	3.8	38.3	9.14	5.8	38.3
3	10.16	3.1	38.6	10.08	4.6	38.5	10.58	4.9	39.4
4	11.24	2.5	39.1	11.02	2.8	39.0	12.66	3.4	39.8
5	13.48	4.0	39.6	13.05	4.9	39.4	14.53	5.0	40.0
6	13.43	3.8	39.0	13.22	7.4	38.9	—	—	—
7	16.23	8.6	40.0	16.18	9.0	40.0	—	—	—
Not able to be leveled	8.28	17.2	34.2	8.60	19.9	37.6	—	—	—
Service	9.09	.8	33.0	7.51	.6	31.9	13.26	1.3	36.6
1	6.29	1.0	29.6	6.08	1.0	29.6	7.94	1.5	29.7
2	6.75	.7	31.7	6.43	.7	31.6	8.51	1.6	32.3
3	7.86	.8	32.7	7.41	1.3	32.4	9.75	1.6	34.2
4	9.55	.9	35.0	9.08	1.4	34.5	10.97	1.3	36.3
5	11.76	1.2	37.1	11.02	2.0	35.4	12.38	2.0	38.7
6	13.61	1.6	39.4	12.15	1.9	36.3	14.33	2.0	41.1
7	17.17	1.6	39.5	16.97	4.9	36.6	17.25	1.4	40.9
8	18.41	1.5	40.7	16.91	2.4	39.8	18.70	1.6	40.9
9	21.51	1.8	41.0	18.47	7.1	39.4	21.70	1.8	41.1
10	24.92	2.6	41.0	27.13	10.5	42.6	24.84	2.7	41.0
11	27.30	5.9	42.0	20.31	17.4	44.9	28.00	5.8	41.7
Not able to be leveled	13.12	7.8	34.3	10.04	6.2	34.3	16.10	10.3	34.3
Protective service	13.72	1.6	37.9	8.29	2.0	34.8	16.53	1.9	39.7
1	6.43	2.5	33.7	6.28	2.4	35.6	7.96	5.6	22.4
2	7.03	2.2	33.0	6.91	2.2	33.6	8.18	9.0	28.3

See footnotes at end of table.

Table 3-1. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1997—Continued

Occupational group 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									
3	\$8.17	3.4	34.4	\$7.92	4.4	35.4	\$10.01	4.6	28.1
4	10.51	3.0	35.5	9.30	4.9	34.3	11.68	2.1	36.8
5	12.23	2.1	38.9	10.90	4.6	35.9	12.54	2.9	39.6
6	14.44	2.1	41.3	14.17	3.5	33.9	14.46	2.2	41.7
7	17.34	1.4	40.5	15.69	5.5	30.3	17.40	1.5	41.0
8	18.67	1.7	40.9	18.42	5.4	39.3	18.68	1.7	41.0
9	21.69	1.8	41.1	—	—	—	21.70	1.8	41.1
10	24.91	2.6	41.0	—	—	—	24.86	2.7	41.0
11	27.88	5.5	41.6	—	—	—	28.00	5.8	41.7
Not able to be leveled	16.43	10.2	34.5	10.44	12.9	30.0	18.86	9.5	36.7
Supervisors, firefighters and fire prevention	19.53	3.3	49.0	—	—	—	19.50	3.4	49.0
7	17.77	6.2	46.5	—	—	—	17.77	6.2	46.5
8	15.90	4.4	50.3	—	—	—	15.91	4.5	50.6
9	21.89	3.8	49.7	—	—	—	21.92	3.8	49.8
10	20.24	7.2	47.9	—	—	—	20.01	7.4	47.7
11	27.31	6.6	47.8	—	—	—	27.31	6.6	47.8
Supervisors, police and detectives	22.99	3.0	40.2	—	—	—	23.01	3.0	40.2
6	15.31	12.1	40.0	—	—	—	15.40	12.4	40.0
7	16.54	7.8	40.0	—	—	—	16.54	7.8	40.0
8	19.93	6.4	40.1	—	—	—	19.93	6.4	40.1
9	23.79	4.3	40.2	—	—	—	23.79	4.3	40.2
10	26.78	2.9	40.2	—	—	—	26.78	2.9	40.2
11	29.80	7.3	40.7	—	—	—	29.80	7.3	40.7
Supervisors, guards	14.75	8.1	37.3	12.59	7.9	37.0	18.74	10.4	37.7
3	8.72	2.9	36.4	—	—	—	—	—	—
4	8.32	10.3	33.1	8.18	11.0	34.3	—	—	—
5	9.84	4.7	37.2	9.83	4.7	37.2	—	—	—
6	13.81	3.7	39.1	14.84	4.1	38.2	12.66	2.8	40.1
7	16.41	5.5	38.4	15.65	6.3	39.5	17.00	8.3	37.6
8	18.65	2.6	40.1	18.15	4.0	40.1	19.11	3.8	40.1
10	28.42	2.0	39.5	—	—	—	—	—	—
Fire inspection and fire prevention	17.40	5.4	37.4	12.82	17.2	40.0	18.58	4.7	36.7
6	18.65	7.0	35.6	—	—	—	—	—	—
7	17.48	6.8	44.3	—	—	—	17.48	6.8	44.3
Firefighting	14.26	2.6	44.4	—	—	—	14.28	2.6	44.4
3	6.49	18.4	10.6	—	—	—	6.49	18.4	10.6
4	12.93	7.1	41.2	—	—	—	12.93	7.1	41.2
5	12.98	5.5	44.0	—	—	—	12.96	5.6	44.1
6	12.97	4.3	48.3	—	—	—	12.97	4.3	48.3
7	15.85	3.4	46.2	—	—	—	15.93	3.4	46.4
8	15.13	3.4	48.3	—	—	—	15.23	3.4	48.2
9	21.10	7.7	47.0	—	—	—	21.10	7.7	47.0
Police and detectives, public service	18.71	1.5	39.5	15.74	11.7	18.8	18.71	1.5	39.6
3	10.31	7.5	38.1	—	—	—	10.31	7.5	38.1
4	12.97	6.2	36.7	—	—	—	12.97	6.2	36.7
5	15.32	4.0	38.6	—	—	—	15.39	3.9	38.7
6	16.12	3.7	39.8	—	—	—	16.11	3.7	40.1
7	18.72	2.2	39.3	—	—	—	18.72	2.2	39.4
8	19.38	1.8	40.1	—	—	—	19.38	1.8	40.1
9	21.53	2.9	40.1	—	—	—	21.53	2.9	40.1
10	24.87	5.8	40.0	—	—	—	24.87	5.8	40.0
Not able to be leveled	24.15	8.2	30.0	—	—	—	24.68	7.3	32.2
Sheriffs, bailiffs, and other law enforcement officers	15.40	2.5	38.8	—	—	—	15.40	2.5	38.8
3	12.90	5.5	35.4	—	—	—	12.90	5.5	35.4
4	12.57	4.9	35.8	—	—	—	12.57	4.9	35.8
5	13.21	6.1	39.3	—	—	—	13.21	6.1	39.3
6	13.25	5.5	39.2	—	—	—	13.25	5.5	39.2
7	16.12	3.0	39.8	—	—	—	16.12	3.0	39.8
8	17.63	7.1	38.8	—	—	—	17.63	7.1	38.8
9	22.19	3.2	40.0	—	—	—	22.19	3.2	40.0

See footnotes at end of table.

Table 3-1. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1997–Continued

Occupational group 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									
Correctional institution officers	\$13.76	3.9	39.8	–	–	–	\$13.96	4.0	39.8
2	10.01	7.4	40.2	–	–	–	10.01	7.4	40.2
3	8.37	6.9	40.0	–	–	–	8.52	8.1	40.0
4	11.08	3.3	39.2	–	–	–	11.36	3.4	39.3
5	11.94	2.5	39.9	–	–	–	11.95	2.5	39.9
6	14.85	5.3	39.5	–	–	–	14.85	5.3	39.5
7	17.69	2.7	39.9	–	–	–	17.69	2.7	39.9
8	18.55	3.0	40.0	–	–	–	18.55	3.0	40.0
9	18.29	2.6	40.0	–	–	–	18.29	2.6	40.0
Crossing guards	8.51	4.3	17.2	–	–	–	8.49	4.4	16.9
1	7.62	8.2	16.3	–	–	–	7.62	8.2	16.3
2	9.26	5.1	19.6	–	–	–	9.34	5.3	18.9
3	7.95	6.4	15.1	–	–	–	7.70	6.1	14.5
Guards and police, except public service	8.21	2.1	35.1	\$8.00	2.3	35.1	11.97	3.3	34.1
1	6.28	2.6	35.2	6.28	2.6	35.3	–	–	–
2	6.96	2.3	34.6	6.94	2.4	34.8	7.90	6.8	25.8
3	8.05	4.0	35.8	7.93	4.5	35.7	11.05	7.2	36.3
4	9.65	5.3	34.7	9.56	5.6	34.6	10.85	5.9	36.1
5	11.17	4.6	35.3	10.88	5.4	35.5	12.53	3.7	34.1
6	12.94	3.7	33.9	12.96	4.7	32.3	12.87	4.9	39.4
7	16.86	4.0	25.2	16.73	5.2	24.0	17.24	5.8	29.0
8	19.83	4.7	37.5	–	–	–	–	–	–
Not able to be leveled	10.73	10.1	32.8	8.60	7.8	30.8	–	–	–
Protective service, n.e.c.	11.03	4.9	29.4	8.38	9.1	25.3	12.45	4.8	32.1
1	5.98	6.7	32.2	5.53	2.9	35.1	7.20	9.4	26.3
2	6.37	5.6	20.1	6.23	6.8	19.3	6.82	7.6	22.9
3	9.07	8.4	26.5	7.03	5.2	24.7	10.32	8.1	27.8
4	9.55	3.3	31.0	9.14	7.3	26.9	9.70	3.8	32.7
5	13.82	8.3	30.7	16.33	18.2	36.5	13.06	6.3	29.3
6	14.58	8.4	39.8	–	–	–	14.08	9.3	40.4
7	15.66	11.3	40.5	–	–	–	15.59	11.4	40.5
Food service	6.53	.7	30.2	6.32	.7	30.3	8.74	1.4	29.5
1	5.58	.8	27.7	5.47	.8	27.8	7.18	1.3	25.8
2	5.73	1.2	30.5	5.51	1.4	30.9	7.98	2.2	27.2
3	6.42	1.5	30.3	6.21	1.5	30.2	8.73	1.7	31.1
4	8.49	1.5	35.1	8.32	1.7	34.9	9.90	2.8	36.2
5	9.81	2.8	37.7	9.38	3.4	38.0	11.51	2.4	36.5
6	12.09	2.5	40.9	11.86	2.9	41.4	13.89	6.6	37.8
7	13.43	3.0	41.0	13.42	3.2	41.1	13.51	3.6	40.0
8	17.02	3.1	40.6	17.16	3.1	41.0	–	–	–
9	17.71	10.9	41.8	17.51	12.0	41.9	–	–	–
Not able to be leveled	10.52	9.7	35.2	9.84	13.9	33.2	–	–	–
Supervisors, food preparation and service	10.81	1.8	38.4	10.70	2.1	38.5	11.48	3.0	37.4
2	6.59	4.5	23.4	6.60	4.5	23.3	–	–	–
3	7.12	4.5	34.8	7.08	4.6	34.7	–	–	–
4	8.86	2.4	37.5	8.74	2.8	37.6	9.72	5.0	36.8
5	10.29	2.1	39.1	10.03	2.4	39.8	11.09	3.0	37.4
6	12.43	2.6	41.1	12.19	2.7	41.7	13.95	7.4	37.7
7	13.62	3.1	41.1	13.64	3.3	41.2	13.42	3.9	40.0
8	16.66	3.7	40.3	16.82	3.7	40.8	–	–	–
9	19.12	8.5	40.5	19.02	9.4	40.6	–	–	–
Bartenders	5.98	3.4	29.3	5.98	3.4	29.3	–	–	–
1	5.03	9.3	23.1	5.03	9.3	23.1	–	–	–
2	5.32	5.2	27.6	5.32	5.2	27.6	–	–	–
3	5.98	5.7	29.6	5.98	5.7	29.6	–	–	–
4	6.70	7.1	30.9	6.70	7.1	30.9	–	–	–
5	6.54	6.9	33.1	6.54	6.9	33.1	–	–	–
Waiters and waitresses	4.04	4.5	29.2	4.03	4.5	29.2	–	–	–
1	3.56	3.2	25.6	3.56	3.2	25.6	–	–	–
2	4.28	6.0	32.6	4.28	6.0	32.6	–	–	–
3	3.82	4.1	27.6	3.82	4.1	27.6	–	–	–

See footnotes at end of table.

Table 3-1. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1997—Continued

Occupational group 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 and waitresses—Continued									
4	\$5.61	15.2	30.4	\$5.61	15.2	30.4	—	—	—
5	3.95	26.7	31.4	3.95	26.7	31.4	—	—	—
Cooks	8.25	1.0	34.0	8.13	1.1	34.2	\$9.14	2.8	32.4
1	6.50	4.3	30.1	6.15	3.3	30.0	8.02	9.7	30.3
2	6.93	1.4	32.3	6.82	1.5	32.9	7.60	3.4	29.3
3	7.94	1.3	33.4	7.82	1.5	33.4	8.71	2.1	33.2
4	8.71	1.3	35.7	8.61	1.4	35.8	9.80	3.0	34.9
5	10.00	3.3	37.0	9.57	3.3	37.6	12.31	6.1	34.2
6	11.80	5.3	40.2	11.75	5.4	40.3	—	—	—
7	12.29	6.7	41.1	12.11	6.8	41.2	—	—	—
8	18.47	4.9	42.0	18.47	4.9	42.0	—	—	—
Not able to be leveled	12.99	16.8	33.9	—	—	—	—	—	—
Food counter, fountain, and related	5.94	1.4	25.5	5.85	1.2	25.6	7.70	5.0	25.5
1	5.61	1.3	24.4	5.59	1.3	24.6	6.69	4.5	18.1
2	6.15	5.0	25.3	5.94	4.8	24.9	7.94	7.2	29.7
3	6.39	3.5	29.5	6.27	3.6	29.7	8.12	7.5	27.2
4	8.88	9.6	34.1	8.88	9.6	34.1	—	—	—
Kitchen workers, food preparation	7.42	1.2	30.5	7.34	1.4	30.6	7.85	2.7	29.6
1	6.38	1.5	27.9	6.29	1.7	27.4	6.87	2.6	31.0
2	7.26	2.2	30.7	7.19	2.6	31.8	7.63	5.5	25.9
3	7.84	1.6	31.5	7.82	1.7	31.7	8.15	4.6	30.0
4	9.08	2.7	34.7	8.92	3.9	33.6	9.58	4.6	38.8
5	12.28	13.8	36.9	12.12	15.1	39.6	—	—	—
Waiters/Waitresses' assistants	5.40	2.6	27.4	5.37	2.6	27.4	9.65	10.7	22.5
1	5.09	2.0	27.1	5.09	2.0	27.2	—	—	—
2	6.11	9.8	28.8	5.94	10.5	28.9	—	—	—
3	6.30	6.8	27.8	6.30	6.8	27.8	—	—	—
Food preparation, n.e.c.	6.55	1.5	29.8	6.29	1.0	30.3	8.24	1.7	27.2
1	6.14	.7	29.6	6.04	.9	30.2	7.20	1.8	24.7
2	6.78	2.8	29.4	6.38	2.8	30.2	8.30	3.3	26.7
3	7.83	2.9	30.1	7.29	3.9	29.9	9.01	2.5	30.5
4	9.60	4.7	35.9	9.16	4.4	36.6	11.00	10.9	33.9
5	10.82	7.6	39.5	9.71	11.6	39.2	—	—	—
Health service	8.45	.7	33.7	8.06	.7	33.1	10.18	1.8	36.8
1	7.03	2.4	30.8	7.00	2.7	30.2	7.17	3.0	36.4
2	7.37	1.2	33.9	7.19	1.1	33.5	8.48	4.1	37.0
3	8.09	1.0	33.2	7.85	1.1	32.7	9.49	2.0	36.6
4	9.32	1.4	34.4	9.03	1.6	34.0	10.37	2.6	36.0
5	11.27	2.2	35.8	10.58	2.7	34.6	12.21	3.3	37.6
6	13.42	3.6	32.2	13.51	4.3	29.4	13.26	6.1	39.1
7	15.24	4.4	36.5	13.81	6.4	31.0	15.88	5.6	39.7
8	15.93	6.2	34.0	15.93	6.2	34.0	—	—	—
Not able to be leveled	11.13	6.4	32.9	11.47	7.5	35.6	—	—	—
Dental assistants	10.14	4.2	33.6	10.51	4.8	32.3	9.44	8.0	36.5
4	10.51	4.8	36.9	10.88	4.0	35.4	—	—	—
5	10.12	7.7	29.2	—	—	—	—	—	—
Health aides, except nursing	9.50	1.2	33.5	9.06	1.3	32.4	10.79	2.9	37.2
1	7.64	3.7	29.1	7.71	3.6	28.8	—	—	—
2	7.91	3.2	32.7	7.62	2.2	32.2	9.86	10.8	36.5
3	8.53	1.9	33.1	8.26	1.9	32.1	9.59	3.4	37.5
4	9.94	1.6	35.7	9.81	1.8	34.6	10.23	3.3	38.1
5	11.02	3.1	35.2	10.67	3.0	34.5	11.56	6.5	36.3
6	13.73	4.1	31.7	13.90	3.8	27.8	13.50	7.5	39.0
7	14.68	4.7	36.5	14.23	7.9	33.7	15.15	3.7	40.0
8	16.69	7.8	31.4	16.69	7.8	31.4	—	—	—
Not able to be leveled	10.57	4.1	33.4	11.05	5.0	40.0	—	—	—
Nursing aides, orderlies and attendants	8.15	.9	33.7	7.81	.7	33.2	9.93	2.4	36.6
1	6.79	2.8	31.6	6.69	3.2	30.8	7.29	2.8	36.1
2	7.28	1.1	34.1	7.12	1.1	33.7	8.26	4.1	37.1
3	8.00	1.1	33.2	7.78	1.2	32.8	9.46	2.3	36.3

See footnotes at end of table.

Table 3-1. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1997—Continued

Occupational group 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									
Nursing aides, orderlies and attendants—Continued									
4	\$9.07	1.8	33.9	\$8.78	1.9	33.8	\$10.50	3.7	34.7
5	11.52	2.8	36.6	10.46	4.3	34.7	12.84	1.7	39.2
6	12.74	9.2	33.4	12.97	10.7	32.3	—	—	—
7	15.68	6.9	38.5	12.74	12.0	33.6	16.19	7.9	39.5
Not able to be leveled	12.13	12.0	32.2	11.88	13.0	32.1	—	—	—
Cleaning and building service	8.66	1.0	35.0	7.98	1.2	34.0	10.41	1.3	38.2
1	7.29	1.7	32.9	7.03	2.1	32.3	8.57	2.3	36.7
2	8.31	1.7	34.5	7.93	2.2	33.1	9.15	2.0	38.1
3	9.73	1.6	37.5	8.91	1.9	36.4	10.70	2.3	38.8
4	9.78	6.9	39.2	8.96	5.5	39.2	11.89	2.1	39.1
5	12.12	1.8	39.3	11.68	1.9	39.1	12.79	3.3	39.4
6	12.41	3.4	40.9	12.03	3.8	41.3	13.48	4.6	39.7
7	15.88	3.7	40.2	15.09	3.6	40.8	16.37	4.8	39.9
8	20.08	3.9	41.0	17.93	6.2	41.7	22.46	5.8	40.3
9	23.36	3.2	39.4	—	—	—	—	—	—
Not able to be leveled	20.62	16.4	40.0	—	—	—	—	—	—
Supervisors, cleaning and building service workers	10.78	9.6	39.5	9.65	8.1	39.5	14.69	3.9	39.6
3	9.06	7.6	37.4	8.80	9.2	36.9	10.16	7.6	39.8
4	—	—	—	—	—	—	11.98	4.2	39.7
5	11.51	3.0	39.3	11.33	3.3	39.5	11.80	6.1	39.0
6	12.33	4.3	39.9	12.12	4.8	40.0	13.24	5.0	39.3
7	15.98	5.1	40.3	14.53	4.1	41.1	16.88	6.1	39.8
8	20.08	3.9	41.0	17.93	6.2	41.7	22.46	5.8	40.3
9	23.36	3.2	39.4	—	—	—	—	—	—
Maids and housemen	7.07	1.8	34.8	7.04	2.0	34.7	7.67	6.5	37.9
1	6.65	2.4	35.4	6.65	2.5	35.3	6.81	7.2	37.7
2	7.00	1.9	32.7	6.98	2.0	32.4	7.34	5.3	38.7
3	8.77	4.0	36.0	8.63	4.2	36.0	—	—	—
4	10.30	5.2	38.7	10.12	5.7	38.6	—	—	—
Janitors and cleaners	8.72	1.1	34.5	8.00	1.6	32.9	10.10	1.3	38.1
1	7.47	2.0	32.3	7.16	2.6	31.3	8.69	2.2	36.6
2	8.69	1.9	35.1	8.34	2.7	33.4	9.25	2.2	38.0
3	9.93	1.7	37.8	9.01	2.1	36.5	10.72	2.6	38.9
4	11.18	2.2	38.6	10.44	3.4	38.2	11.83	2.2	39.1
5	12.63	2.8	39.3	11.91	2.5	39.0	13.68	3.9	39.7
6	13.17	3.7	40.1	12.81	3.4	40.1	13.66	6.8	40.0
7	15.44	2.3	40.0	16.41	4.9	40.0	15.00	1.4	40.0
Pest control	10.72	8.8	42.2	—	—	—	10.21	18.8	36.2
3	6.74	5.0	30.7	—	—	—	—	—	—
Personal service	8.74	1.4	29.8	8.65	1.7	30.2	9.11	2.0	28.1
1	5.70	3.6	27.0	5.45	2.8	28.3	7.13	5.5	21.3
2	6.31	4.0	28.5	6.00	2.9	28.8	7.91	3.0	27.0
3	7.73	1.8	30.0	7.43	2.2	30.4	8.44	2.9	29.2
4	10.25	3.0	32.1	10.26	3.6	31.8	10.23	4.9	33.4
5	13.37	4.9	30.5	14.18	6.6	29.3	11.41	4.0	33.8
6	11.39	4.9	32.1	11.14	5.7	32.8	12.64	6.1	28.9
7	—	—	—	—	—	—	15.79	9.5	38.4
8	16.09	3.7	38.8	15.66	4.8	39.0	17.08	3.5	38.4
9	18.76	7.3	34.2	—	—	—	—	—	—
Not able to be leveled	8.67	9.7	33.4	8.33	9.5	37.7	9.31	19.7	27.3
Supervisors, personal service	16.62	1.7	38.7	—	—	—	14.67	6.1	35.3
3	7.22	9.1	18.6	—	—	—	—	—	—
4	9.34	8.7	36.0	8.67	7.8	35.0	—	—	—
5	9.10	5.5	36.2	8.98	6.0	37.1	10.49	1.9	27.8
6	13.31	4.6	39.3	13.27	5.5	39.2	13.49	5.1	39.6
8	17.05	4.1	39.9	16.98	6.2	40.9	—	—	—
Attendants, amusement, and recreation facilities	6.19	4.4	30.6	6.07	4.3	31.5	7.14	3.4	25.1

See footnotes at end of table.

Table 3-1. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1997—Continued

Occupational group 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									
Attendants, amusement, and recreation facilities—Continued									
1	\$5.54	2.6	24.5	\$5.46	4.1	27.3	\$5.71	1.7	20.3
2	—	—	—	—	—	—	6.75	3.7	26.0
3	7.04	5.9	33.7	7.03	6.7	35.2	7.18	6.0	25.1
4	7.41	8.6	34.0	6.57	6.0	33.2	9.86	3.3	36.5
5	7.05	17.3	33.9	6.85	17.8	33.6	—	—	—
Guides	8.79	10.6	26.6	7.97	6.6	27.2	12.49	27.4	24.3
1	6.77	5.8	22.1	—	—	—	—	—	—
3	6.59	1.7	27.3	6.57	1.9	27.5	—	—	—
Ushers	5.97	3.1	18.4	5.96	3.1	18.9	—	—	—
1	5.63	5.1	14.2	5.62	5.1	14.7	—	—	—
2	6.21	5.1	15.8	6.21	5.1	15.8	—	—	—
3	7.12	1.1	21.0	7.12	1.1	21.0	—	—	—
Public transportation attendants	21.73	7.5	23.1	22.62	8.4	22.1	14.53	10.1	35.3
1	7.93	8.7	25.8	7.54	15.1	23.2	—	—	—
3	13.29	23.2	28.9	—	—	—	—	—	—
4	22.60	10.4	22.7	23.10	11.5	21.7	—	—	—
5	26.58	5.6	21.6	27.54	5.5	20.8	—	—	—
6	15.53	4.1	26.6	15.53	4.1	26.6	—	—	—
Baggage porters and bellhops	6.90	6.4	35.6	6.90	6.4	35.6	—	—	—
1	4.78	3.9	35.5	4.78	3.9	35.5	—	—	—
2	5.42	9.0	37.9	5.42	9.0	37.9	—	—	—
3	10.00	9.1	34.5	10.00	9.1	34.5	—	—	—
Welfare service aides	7.13	6.8	27.5	6.70	7.1	26.5	9.07	5.9	33.4
1	5.18	3.5	26.3	5.14	3.7	25.8	—	—	—
2	6.53	6.4	21.9	6.40	6.9	21.3	7.62	6.5	28.3
3	7.70	3.3	31.6	7.39	2.9	31.1	8.59	5.9	33.0
4	8.99	2.9	32.9	8.61	2.8	33.3	11.00	3.2	31.0
5	11.14	7.0	36.1	9.13	4.4	34.5	12.37	7.8	37.2
6	12.01	6.4	35.3	12.69	5.3	34.0	—	—	—
Early childhood teachers' assistants	7.65	2.1	28.6	6.70	3.0	25.9	8.33	2.5	30.9
1	6.76	5.7	21.9	5.58	1.3	18.3	7.50	4.6	24.9
2	6.86	3.9	29.3	6.10	3.9	27.2	7.65	4.1	31.7
3	7.63	3.5	28.9	6.54	2.6	25.5	8.23	4.7	31.3
4	8.73	4.7	33.8	7.85	5.8	32.5	9.23	6.4	34.6
5	10.06	6.5	32.4	—	—	—	9.69	7.7	32.6
6	9.54	19.2	28.7	8.56	24.2	26.4	—	—	—
7	10.38	15.1	29.7	—	—	—	—	—	—
Child care workers, n.e.c.	8.28	2.2	26.3	7.72	2.3	28.6	9.21	3.8	23.3
1	6.37	3.3	18.3	6.19	5.4	22.0	6.60	4.3	15.1
2	7.69	5.2	23.7	6.31	3.0	23.8	8.97	3.9	23.7
3	8.09	4.2	27.5	7.22	3.5	27.9	8.82	6.3	27.2
4	8.27	2.9	31.4	7.94	2.6	32.9	9.73	7.3	26.2
5	9.93	5.7	31.0	9.58	4.4	31.0	10.88	10.8	31.2
6	9.54	6.0	24.4	8.58	5.6	27.2	11.84	6.8	19.6
7	12.14	14.1	39.2	9.96	6.6	40.0	—	—	—
8	10.73	2.1	40.6	10.73	2.1	40.6	—	—	—

See footnotes at end of table.

Table 3-1. Selected occupations¹ and levels:² Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1997—Continued

Occupational group 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									
Service, n.e.c.	\$7.24	8.2	31.4	\$6.91	8.2	31.9	\$10.14	3.2	27.9
1	5.72	7.3	31.9	5.53	5.6	32.4	9.76	10.4	23.9
2	6.72	2.8	29.5	6.64	2.7	30.9	7.63	7.1	19.4
3	7.87	2.7	28.6	7.72	3.1	28.8	9.08	4.4	27.4
4	9.51	3.0	34.5	9.10	3.4	34.2	10.73	4.5	35.5
5	10.35	5.0	33.8	9.92	7.6	34.0	11.07	2.2	33.4
6	10.17	6.8	37.7	10.11	7.0	37.9	—	—	—
7	20.93	19.4	24.1	—	—	—	—	—	—
8	11.73	4.5	26.9	11.73	4.5	26.9	—	—	—
Not able to be leveled	8.88	12.1	34.4	8.25	9.7	37.5	—	—	—

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 the 48 contiguous States. Collection was conducted between October 1996 and July 1998. The average reference period was August 1997.

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. Occupational groups may include data for levels not shown separately.

Table 4-1. **Collective bargaining status:**¹ **Mean hourly earnings**² **by occupational group,**³ **National Compensation Survey,**⁴ **1997**

Occupational group	Total		Private industry		State and local government	
	Union	Nonunion	Union	Nonunion	Union	Nonunion
	Mean					
All	\$16.91	\$14.56	\$14.90	\$14.29	\$19.74	\$16.20
White collar	20.82	18.18	17.57	18.12	22.23	18.47
White collar excluding sales	21.59	19.00	19.61	19.12	22.26	18.53
Professional specialty and technical	26.97	21.74	26.05	22.03	27.19	20.93
Professional specialty	27.76	23.72	25.35	24.44	28.12	22.04
Technical	22.18	15.77	26.98	16.08	15.52	13.96
Executive, administrative, and managerial ...	22.50	27.37	22.74	27.91	22.48	24.60
Sales	10.77	12.98	10.60	13.01	14.77	9.23
Administrative support, including clerical	13.34	11.18	14.60	11.28	12.56	10.70
Blue collar	15.07	10.95	15.00	10.89	15.63	11.83
Precision production, craft, and repair	18.01	14.53	18.10	14.59	17.49	13.90
Machine operators, assemblers, and inspectors	13.83	9.75	13.82	9.75	14.42	9.81
Transportation and material moving	15.62	11.65	15.81	11.81	14.94	10.57
Handlers, equipment cleaners, helpers, and laborers	11.76	8.33	11.56	8.25	13.16	9.73
Service	13.44	7.81	9.81	7.19	15.71	10.72
Protective service	18.38	10.62	11.12	8.07	18.85	13.46
Food service	8.79	6.29	8.28	6.17	9.90	8.11
Health service	10.11	7.99	8.80	7.92	12.14	8.48
Cleaning and building service	10.76	7.75	9.70	7.46	12.07	8.84
Personal service	12.47	8.09	15.02	8.05	10.25	8.31
	Relative error ⁵ (percent)					
All	0.9	0.7	1.3	0.8	1.0	0.9
White collar	1.1	.7	1.6	.8	1.6	.7
White collar excluding sales	1.2	.6	1.7	.7	1.6	.7
Professional specialty and technical	1.0	.6	2.7	.7	1.1	.9
Professional specialty	1.0	.6	3.2	.7	1.1	1.0
Technical	3.6	.8	4.6	.8	2.1	1.6
Executive, administrative, and managerial ...	3.9	.8	4.8	.8	4.2	1.2
Sales	2.6	3.9	2.8	3.9	4.7	3.8
Administrative support, including clerical	1.4	.6	1.4	.7	1.7	.9
Blue collar	1.5	.8	1.7	.8	1.3	1.4
Precision production, craft, and repair	2.7	1.0	3.1	1.1	1.9	1.8
Machine operators, assemblers, and inspectors	2.1	1.0	2.1	1.0	6.2	6.1
Transportation and material moving	1.6	2.3	2.0	2.5	1.8	1.6
Handlers, equipment cleaners, helpers, and laborers	2.0	.8	2.2	.9	2.5	2.4
Service	1.5	.6	2.1	.4	1.4	1.2
Protective service	1.5	1.6	8.1	2.1	1.4	2.1
Food service	2.0	.7	2.7	.9	1.7	2.0
Health service	2.5	.7	2.8	.7	1.6	2.0
Cleaning and building service	2.4	.7	3.9	1.0	1.7	1.2
Personal service	4.0	1.3	7.3	1.5	3.2	1.9

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 the 48 contiguous States. Collection was conducted between October 1996 and July 1998. The average reference period was August 1997.

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 5-1. Time and incentive pay:¹ Mean hourly earnings² and weekly hours by occupational group³ in private industry, National Compensation Survey,⁴ 1997

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	\$14.31	0.7	36.4	\$16.21	2.7	38.3
White collar	17.99	.8	36.7	20.03	3.5	37.3
White collar excluding sales	19.13	.7	37.6	20.27	6.7	37.8
Professional specialty and technical	22.29	.7	36.6	24.05	11.7	38.7
Professional specialty	24.49	.7	36.6	25.44	15.5	40.7
Technical	17.13	1.0	36.6	21.17	16.4	35.1
Executive, administrative, and managerial ...	27.79	.8	40.5	31.33	7.3	42.6
Sales	10.87	3.1	32.0	19.96	4.0	37.2
Administrative support, including clerical	11.54	.7	37.1	11.52	6.2	34.8
Blue collar	12.21	.9	38.3	12.72	2.9	40.0
Precision production, craft, and repair	15.81	1.4	39.7	17.67	2.4	40.8
Machine operators, assemblers, and inspectors	11.08	1.1	39.6	10.40	3.4	39.2
Transportation and material moving	13.11	1.5	37.7	15.03	2.5	45.5
Handlers, equipment cleaners, helpers, and laborers	9.15	1.0	35.3	10.13	4.3	33.9
Service	7.51	.6	31.8	7.25	6.2	32.9
Protective service	8.28	2.0	34.8	—	—	—
Food service	6.35	.7	30.3	4.24	8.3	28.5
Health service	8.06	.7	33.1	—	—	—
Cleaning and building service	7.98	1.2	33.9	9.49	6.8	41.6
Personal service	8.63	1.8	30.0	—	—	—

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 the 48 contiguous States. Collection was conducted between October 1996 and July 1998. The average reference period was August 1997.

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 6-1. Goods-producing and service-producing industries: Mean hourly earnings¹ and weekly hours by occupational group² in private industry, National Compensation Survey,³ 1997

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	\$15.45	1.0	39.8	\$13.85	0.9	34.9
White collar	22.08	.8	39.8	17.00	.9	36.0
White collar excluding sales	22.05	.8	39.9	18.23	.9	37.0
Professional specialty and technical	24.25	.9	40.0	21.60	.8	35.5
Professional specialty	27.05	1.0	40.1	23.57	.9	35.5
Technical	17.57	1.3	39.7	17.00	1.3	35.6
Executive, administrative, and managerial ...	29.61	1.0	41.0	27.10	1.1	40.3
Sales	22.76	2.7	38.2	12.06	3.6	32.7
Administrative support, including clerical	12.58	1.1	39.0	11.30	.7	36.7
Blue collar	12.51	1.1	39.8	11.74	1.3	35.9
Precision production, craft, and repair	15.74	1.8	40.0	16.17	1.3	39.4
Machine operators, assemblers, and inspectors	11.34	1.2	39.8	8.42	2.0	37.7
Transportation and material moving	13.40	2.2	40.1	13.25	1.8	37.5
Handlers, equipment cleaners, helpers, and laborers	9.86	1.2	39.4	8.63	1.5	32.5
Service	10.89	2.0	38.5	7.42	.6	31.7
Protective service	12.16	4.8	37.8	8.11	2.2	34.7
Food service	10.17	10.8	38.5	6.32	.7	30.3
Health service	—	—	—	8.06	.7	33.1
Cleaning and building service	10.64	2.2	38.6	7.69	1.4	33.5
Personal service	9.73	8.1	39.4	8.65	1.7	30.2

¹ Earnings are the straight-time hourly wages or salaries paid to employees. They include incentive pay, cost-of-living adjustments, and hazard pay. Excluded are premium pay for overtime, vacations, 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 the 48 contiguous States. Collection

was conducted between October 1996 and July 1998. The average reference period was August 1997.

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 6-2. Major industry division: Mean hourly earnings¹ and weekly hours by occupational group² in private industry, National Compensation Survey,³ 1997

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	\$22.18	2.8	40.3	\$16.34	1.7	39.9	\$15.26	1.1	39.8
White collar	28.17	3.5	40.4	20.41	2.4	40.4	22.05	.9	39.8
White collar excluding sales	27.97	3.7	40.4	20.15	2.6	40.5	22.03	.9	39.9
Professional specialty and technical	31.76	5.5	40.4	22.86	4.3	40.9	24.11	.9	39.9
Professional specialty	35.77	4.3	40.5	25.37	4.5	41.3	26.90	1.0	40.0
Technical	20.30	3.7	40.2	15.90	5.5	39.6	17.55	1.3	39.7
Executive, administrative, and managerial	33.08	3.6	40.9	25.17	2.8	41.7	29.99	1.0	40.9
Sales	35.95	12.9	40.0	24.23	7.6	39.5	22.52	2.8	38.1
Administrative support, including clerical	15.56	5.0	39.8	11.76	2.2	38.7	12.58	1.1	39.0
Blue collar	17.78	4.4	40.3	15.25	2.1	39.8	12.14	1.2	39.8
Precision production, craft, and repair	19.61	3.1	40.3	17.00	2.0	39.7	15.25	2.2	40.0
Machine operators, assemblers, and inspectors	15.38	7.0	40.1	12.22	7.3	39.3	11.33	1.2	39.8
Transportation and material moving	15.61	10.3	41.1	14.95	5.5	40.2	12.99	2.4	40.0
Handlers, equipment cleaners, helpers, and laborers	12.77	10.9	38.8	10.83	3.6	40.0	9.67	1.3	39.3
Service	12.73	7.9	37.9	11.29	8.5	33.5	10.87	2.1	38.6
Protective service	—	—	—	—	—	—	12.24	5.0	37.9
Food service	—	—	—	—	—	—	10.17	10.8	38.5
Health service	—	—	—	—	—	—	—	—	—
Cleaning and building service	—	—	—	11.90	10.4	32.0	10.63	2.3	38.7
Personal service	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 6-2. Major industry division: Mean hourly earnings¹ and weekly hours by occupational group² in private industry, National Compensation Survey,³ 1997—Continued

Occupational group	Transportation ⁵			Public utilities ⁵			Wholesale 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	\$16.35	1.5	35.8	\$20.06	1.5	39.6	\$16.11	2.7	39.6
White collar	18.87	3.3	35.9	20.37	1.9	39.5	19.53	3.3	39.9
White collar excluding sales	18.87	3.5	35.7	20.45	1.8	39.5	19.03	3.1	39.9
Professional specialty and technical	34.08	9.2	31.1	23.88	2.3	39.3	22.80	4.8	40.5
Professional specialty	23.20	4.4	40.2	26.55	2.6	39.8	26.12	4.1	40.5
Technical	38.11	10.8	28.7	19.92	2.9	38.7	16.34	5.4	40.5
Executive, administrative, and managerial	25.39	3.3	40.9	28.40	2.6	40.3	29.65	3.7	41.3
Sales	18.99	4.4	39.1	19.23	7.2	40.0	20.87	6.4	39.9
Administrative support, including clerical	12.38	3.2	35.9	14.74	1.8	39.2	11.55	1.9	38.9
Blue collar	14.78	1.8	36.8	19.36	1.7	39.9	11.69	2.0	39.3
Precision production, craft, and repair	18.23	2.8	40.1	19.96	1.7	40.0	14.12	4.9	39.9
Machine operators, assemblers, and inspectors	15.77	5.8	40.0	17.27	13.4	40.0	10.02	3.2	39.4
Transportation and material moving	14.74	1.9	38.2	16.94	3.3	39.8	13.13	2.8	39.9
Handlers, equipment cleaners, helpers, and laborers	12.42	4.3	31.8	13.53	4.8	39.1	9.98	2.5	38.4
Service	18.41	8.2	25.6	13.31	8.1	38.3	9.97	4.9	35.2
Protective service	17.54	14.4	37.3	13.52	13.8	40.4	11.58	7.4	27.5
Food service	8.86	12.7	37.3	—	—	—	7.06	8.6	33.0
Health service	—	—	—	—	—	—	—	—	—
Cleaning and building service	9.69	8.5	36.6	12.90	10.5	37.2	10.34	6.6	38.0
Personal service	20.35	9.0	23.8	—	—	—	10.41	6.5	32.1

See footnotes at end of table.

Table 6-2. Major industry division: Mean hourly earnings¹ and weekly hours by occupational group² in private industry, National Compensation Survey,³ 1997–Continued

Occupational group	Retail trade			Finance, insurance, and real estate			Services			Health services		
	Hourly earnings		Mean weekly hours	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)		Mean	Relative error ⁴ (percent)	
All	\$9.56	1.2	31.2	\$18.50	2.1	37.8	\$13.47	1.0	35.1	\$14.25	0.8	34.2
White collar	11.20	1.5	32.5	19.11	2.0	38.1	17.56	1.0	36.0	17.29	.7	34.8
White collar excluding sales	14.48	2.5	37.4	18.57	1.9	38.1	18.15	1.0	36.1	17.32	.7	34.8
Professional specialty and technical	20.73	3.4	36.9	25.25	3.0	38.6	20.79	.9	35.0	18.81	.7	33.9
Professional specialty	22.39	3.0	37.2	27.17	2.8	38.7	23.07	1.0	34.8	21.46	.8	33.5
Technical	14.96	8.1	36.0	20.14	8.1	38.1	14.98	1.0	35.6	13.85	.8	34.7
Executive, administrative, and managerial	23.35	3.4	41.9	28.67	2.3	39.8	26.29	1.6	40.0	25.62	1.7	39.5
Sales	9.76	1.4	30.7	27.43	8.7	37.5	10.40	11.0	35.1	14.55	11.2	34.9
Administrative support, including clerical	9.76	1.1	35.8	11.87	1.3	37.2	10.50	.9	36.0	10.49	.9	35.9
Blue collar	9.85	1.8	32.0	12.23	7.6	38.0	9.21	1.8	36.4	11.11	2.2	36.6
Precision production, craft, and repair	14.80	2.8	39.1	15.29	7.7	38.6	14.15	2.3	38.6	14.90	2.3	38.6
Machine operators, assemblers, and inspectors	9.76	6.7	36.4	14.88	7.8	37.9	7.36	1.7	37.2	7.66	3.5	35.3
Transportation and material moving	9.78	3.6	35.3	9.10	4.7	33.0	9.55	2.9	33.9	8.83	4.5	35.2
Handlers, equipment cleaners, helpers, and laborers	7.62	1.5	29.0	9.92	10.6	39.0	7.35	2.1	35.3	9.16	3.5	35.6
Service	6.30	.9	28.5	8.55	3.3	31.7	7.58	.6	33.2	8.06	.7	32.8
Protective service	9.76	5.5	30.4	10.48	5.4	30.8	7.83	2.7	35.2	10.22	4.0	33.1
Food service	6.09	1.0	28.2	8.14	10.1	27.9	6.59	1.1	33.9	7.82	1.2	31.7
Health service	7.88	2.2	30.5	7.27	5.2	32.5	8.07	.7	33.1	8.18	.8	33.1
Cleaning and building service ...	7.54	3.1	31.8	8.17	4.4	35.4	7.61	1.6	33.5	7.84	1.5	35.2
Personal service	7.13	2.7	30.6	7.44	6.6	26.6	7.91	1.4	30.8	7.29	9.3	27.7

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

² 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 the 48 contiguous States. Collection was conducted between October 1996 and July 1998. The average reference period was August 1997.

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 The transportation, communications, electric, gas, and sanitary services major industry division is separated into 2 parts to provide greater detail. Transportation includes Standard Industrial Classification (SIC) groups 40, 41, 42, 44, 45, 46, and 47. Public utilities consist of SIC groups 48 and 49. The National Compensation Survey excludes the United States Postal Service, SIC 43.

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

Table 7-1. **United States, establishment employment size: Mean hourly earnings¹ by occupational group,² National Compensation Survey,³ 1997**

Occupational group	50-99 workers	100-499 workers	500-999 workers	1000-2499 workers	2500 or more workers
Mean					
All	\$12.52	\$13.68	\$16.15	\$15.54	\$19.32
White collar	16.13	17.02	20.14	18.99	21.35
White collar excluding sales	17.01	18.00	20.40	20.08	21.45
Professional specialty and technical	19.75	21.33	23.57	23.11	24.64
Professional specialty	21.50	23.57	25.92	24.79	25.73
Technical	15.47	15.30	15.79	16.77	19.51
Executive, administrative, and managerial ...	25.46	26.34	28.74	28.31	27.04
Sales	13.56	12.55	15.36	9.83	16.67
Administrative support, including clerical	10.87	11.14	11.73	11.75	12.45
Blue collar	11.31	11.48	12.45	13.99	16.41
Precision production, craft, and repair	15.26	15.19	15.63	16.87	18.12
Machine operators, assemblers, and inspectors	9.07	10.16	11.04	13.51	17.29
Transportation and material moving	11.84	12.61	14.31	14.92	14.97
Handlers, equipment cleaners, helpers, and laborers	8.47	9.12	9.58	10.03	12.16
Service	6.66	8.15	9.78	9.13	13.59
Protective service	9.48	11.03	13.05	12.94	18.06
Food service	5.87	6.70	7.49	6.53	8.63
Health service	7.09	7.94	8.83	9.05	10.42
Cleaning and building service	7.46	8.01	9.54	8.70	10.36
Personal service	7.09	7.90	8.11	8.84	12.25
Relative error ⁴ (percent)					
All	1.2	0.7	1.5	6.8	0.9
White collar	1.5	.9	1.4	4.6	1.0
White collar excluding sales	1.5	.8	1.3	1.5	1.0
Professional specialty and technical	2.3	1.0	1.3	1.1	.8
Professional specialty	2.8	1.1	1.3	1.2	.8
Technical	2.6	1.3	1.6	1.7	2.6
Executive, administrative, and managerial ...	2.2	1.0	2.0	1.9	2.3
Sales	3.4	2.6	9.5	11.8	8.9
Administrative support, including clerical9	.9	1.2	1.3	1.0
Blue collar	1.5	1.0	2.6	2.9	1.5
Precision production, craft, and repair	1.5	1.5	5.7	2.5	1.4
Machine operators, assemblers, and inspectors	3.0	1.2	2.4	2.6	1.5
Transportation and material moving	2.2	1.6	4.5	2.8	1.5
Handlers, equipment cleaners, helpers, and laborers	1.4	1.3	2.8	5.7	2.8
Service	1.2	1.0	2.2	6.4	1.8
Protective service	6.7	3.4	4.6	5.9	1.7
Food service	1.1	1.2	2.6	9.3	2.6
Health service	1.7	1.0	2.8	2.0	1.9
Cleaning and building service	1.8	1.2	4.1	2.3	2.0
Personal service	3.2	2.3	4.6	2.5	5.2

¹ Earnings are the straight-time hourly wages or salaries paid to employees. They include incentive pay, cost-of-living adjustments, and hazard pay. Excluded are premium pay for overtime, vacations, 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 the 48 contiguous States. Collection was conducted between October 1996 and July 1998. The average reference period was August 1997.

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.

Table 7-2. Private Industry, establishment employment size: Mean hourly earnings¹ by occupational group,² National Compensation Survey,³ 1997

Occupational group	50-99 workers	100-499 workers	500-999 workers	1000-2499 workers	2500 or more workers
	Mean				
All	\$12.44	\$13.32	\$15.66	\$14.91	\$20.21
White collar	16.09	16.66	19.80	18.51	22.72
White collar excluding sales	17.04	17.73	20.08	20.00	22.94
Professional specialty and technical	19.63	20.62	22.55	22.78	25.74
Professional specialty	21.61	23.08	25.44	24.88	26.88
Technical	15.55	15.52	16.09	17.30	22.35
Executive, administrative, and managerial ...	25.80	26.70	29.22	29.46	30.43
Sales	13.56	12.57	15.63	9.80	17.29
Administrative support, including clerical	10.94	11.20	11.87	11.92	12.90
Blue collar	11.31	11.42	12.38	14.00	17.14
Precision production, craft, and repair	15.31	15.20	15.67	17.08	19.18
Machine operators, assemblers, and inspectors	9.07	10.16	11.03	13.52	17.44
Transportation and material moving	11.96	12.64	14.53	15.47	—
Handlers, equipment cleaners, helpers, and laborers	8.41	9.03	9.51	9.84	12.16
Service	6.42	7.37	8.02	7.87	10.85
Protective service	7.74	7.35	8.53	9.09	12.62
Food service	5.85	6.60	7.26	6.25	8.18
Health service	7.08	7.88	8.15	8.78	9.70
Cleaning and building service	7.37	7.66	8.63	8.10	9.93
Personal service	7.09	7.77	7.74	—	15.56
	Relative error ⁴ (percent)				
All	1.3	0.8	1.7	8.5	1.6
White collar	1.6	1.1	1.7	6.2	1.5
White collar excluding sales	1.6	1.0	1.7	1.9	1.4
Professional specialty and technical	2.5	1.3	1.5	1.1	1.3
Professional specialty	3.0	1.5	1.6	1.2	1.2
Technical	2.7	1.5	1.7	1.8	3.3
Executive, administrative, and managerial ...	2.3	1.1	2.3	2.3	2.3
Sales	3.4	2.6	9.8	11.8	10.1
Administrative support, including clerical	1.0	1.0	1.5	1.6	1.2
Blue collar	1.6	1.1	2.8	3.2	2.0
Precision production, craft, and repair	1.5	1.6	6.3	2.9	1.5
Machine operators, assemblers, and inspectors	3.0	1.2	2.4	2.6	1.6
Transportation and material moving	2.2	1.7	5.4	3.3	—
Handlers, equipment cleaners, helpers, and laborers	1.5	1.5	3.0	6.2	4.2
Service	1.0	.6	2.3	2.5	3.1
Protective service	7.3	1.8	3.8	3.5	5.1
Food service	1.1	1.2	3.2	8.1	4.9
Health service	1.9	1.0	2.7	2.2	2.1
Cleaning and building service	2.1	1.3	7.1	2.1	3.8
Personal service	3.4	2.6	6.3	—	10.9

¹ Earnings are the straight-time hourly wages or salaries paid to employees. They include incentive pay, cost-of-living adjustments, and hazard pay. Excluded are premium pay for overtime, vacations, 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 the 48 contiguous States. Collection was

conducted between October 1996 and July 1998. The average reference period was August 1997.

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 7-3. State and local government, establishment employment size: Mean hourly earnings¹ by occupational group,² National Compensation Survey,³ 1997

Occupational group	50-99 workers	100-499 workers	500-999 workers	1000-2499 workers	2500 or more workers
	Mean				
All	\$13.96	\$16.89	\$18.20	\$17.51	\$18.57
White collar	16.67	19.37	21.29	20.21	20.26
White collar excluding sales	16.69	19.42	21.40	20.25	20.29
Professional specialty and technical	20.41	23.39	25.60	23.64	23.85
Professional specialty	21.05	24.66	26.64	24.66	25.02
Technical	13.56	13.41	13.51	14.36	15.10
Executive, administrative, and managerial ...	20.39	23.21	26.00	24.53	23.89
Sales	11.39	8.97	9.43	12.16	12.47
Administrative support, including clerical	9.83	10.69	11.14	11.26	12.11
Blue collar	11.44	12.87	13.53	13.85	14.78
Precision production, craft, and repair	13.79	14.98	15.23	15.79	16.37
Machine operators, assemblers, and inspectors	-	10.24	11.70	12.36	14.08
Transportation and material moving	10.30	12.37	13.25	12.83	13.99
Handlers, equipment cleaners, helpers, and laborers	10.10	11.12	10.58	11.41	12.15
Service	10.06	12.33	12.69	12.48	14.63
Protective service	12.74	15.20	15.72	15.08	18.45
Food service	8.41	8.26	8.56	8.90	9.03
Health service	7.16	8.96	10.92	9.80	11.14
Cleaning and building service	8.32	10.03	11.12	10.37	10.58
Personal service	7.09	8.83	8.68	9.28	9.61
	Relative error ⁴ (percent)				
All	3.6	1.4	1.8	1.9	1.0
White collar	4.3	1.5	1.8	1.7	1.3
White collar excluding sales	4.3	1.5	1.8	1.7	1.3
Professional specialty and technical	6.4	1.7	2.2	2.1	1.1
Professional specialty	6.8	1.6	2.1	2.2	1.1
Technical	9.0	2.1	3.0	3.1	2.2
Executive, administrative, and managerial ...	5.2	2.4	2.7	2.2	3.2
Sales	14.3	6.2	7.7	7.7	8.3
Administrative support, including clerical	3.0	1.7	1.9	1.5	1.5
Blue collar	5.5	2.4	2.3	2.6	1.9
Precision production, craft, and repair	8.3	3.0	3.3	3.6	2.6
Machine operators, assemblers, and inspectors	-	11.4	7.6	8.1	7.9
Transportation and material moving	4.2	3.5	3.1	3.4	2.5
Handlers, equipment cleaners, helpers, and laborers	8.3	3.3	3.6	3.8	4.2
Service	6.9	2.4	2.7	2.6	1.8
Protective service	8.3	2.9	3.2	5.9	1.8
Food service	14.3	3.6	4.0	3.1	1.9
Health service	5.1	5.1	2.6	3.1	2.9
Cleaning and building service	4.2	2.4	3.1	2.7	2.3
Personal service	8.2	3.9	5.8	5.0	3.5

¹ Earnings are the straight-time hourly wages or salaries paid to employees. They include incentive pay, cost-of-living adjustments, and hazard pay. Excluded are premium pay for overtime, vacations, 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 the 48 contiguous States. Collection was

conducted between October 1996 and July 1998. The average reference period was August 1997.

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 8-1. Summary, metropolitan and nonmetropolitan areas:¹ Mean hourly earnings² and weekly hours by selected characteristics, National Compensation Survey,³ 1997

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	\$15.09	0.6	36.5	\$15.73	0.7	36.3	\$11.84	1.2	37.1
Private industry	14.39	.7	36.4	15.06	.8	36.3	10.84	1.4	37.2
State and local government	17.82	.7	36.5	18.46	.8	36.5	15.07	1.8	36.5
Worker characteristics:⁵									
White-collar occupations ⁶	18.59	.6	36.7	19.07	.8	36.6	15.15	1.2	37.0
Professional specialty and technical ...	22.89	.6	36.3	23.34	.6	36.3	19.63	1.2	36.5
Executive, administrative, and managerial	27.00	.9	40.1	27.40	1.0	40.1	23.15	2.6	39.7
Sales	12.78	3.5	33.0	13.55	2.2	32.6	8.72	4.5	35.3
Administrative support	11.53	.6	36.9	11.73	.7	36.9	10.10	1.5	37.4
Blue-collar occupations ⁶	12.36	.8	38.3	12.78	.7	38.2	10.74	2.1	38.8
Precision production, craft, and repair	15.86	1.2	39.8	16.44	.8	39.7	13.27	4.5	39.9
Machine operators, assemblers, and inspectors	11.03	1.1	39.6	11.39	1.0	39.6	10.04	2.7	39.7
Transportation and material moving ...	13.24	1.2	37.5	13.46	1.2	37.6	11.85	4.2	36.7
Handlers, equipment cleaners, helpers, and laborers	9.34	1.0	35.5	9.48	1.1	35.1	8.81	2.0	37.0
Service occupations ⁶	9.09	.8	33.0	9.40	1.0	32.6	8.00	1.5	34.5
Full time	15.77	.6	39.6	16.51	.7	39.6	12.15	1.3	39.7
Part time	8.89	1.1	21.0	9.01	1.2	21.1	8.09	1.5	20.6
Union	16.91	.9	36.9	17.32	.6	36.7	14.20	4.5	38.1
Nonunion	14.56	.7	36.3	15.25	.8	36.2	11.32	1.4	36.8
Time	15.05	.6	36.4	15.69	.7	36.3	11.87	1.2	37.0
Incentive	16.21	2.7	38.3	16.87	2.5	38.2	10.74	11.4	38.8
Establishment characteristics:									
Goods producing ⁷	15.45	1.0	39.8	16.40	.8	39.8	12.06	2.3	39.9
Service producing ⁷	13.85	.9	34.9	14.44	1.0	34.9	9.77	1.3	35.2
50-99 workers ⁸	12.52	1.2	35.3	13.02	1.3	35.3	10.23	2.6	35.3
100-499 workers	13.68	.7	36.2	14.10	.8	36.1	11.78	1.7	36.5
500-999 workers	16.15	1.5	37.4	16.65	1.4	37.2	14.29	3.2	38.2
1,000-2,499 workers	15.54	6.8	36.7	17.03	1.9	36.0	10.91	15.8	38.6
2,500 workers or more	19.32	.9	37.2	19.34	.9	37.2	18.23	8.8	39.3
Geographic areas:⁹									
New England	16.96	1.8	35.1	17.42	1.8	35.2	13.75	5.3	34.0
Middle Atlantic	17.42	1.5	35.7	17.75	1.3	35.7	12.22	7.4	36.1
East North Central	15.45	.9	36.2	15.90	1.0	36.2	12.98	1.3	36.4
West North Central	14.44	1.8	36.3	15.40	2.2	36.3	11.82	3.7	36.2
South Atlantic	13.73	1.4	37.0	14.17	1.7	36.9	11.56	4.0	37.4
East South Central	11.88	2.3	37.8	13.60	1.6	37.0	10.22	3.7	38.7
West South Central	13.82	1.0	37.2	14.13	1.2	37.2	11.88	4.0	37.3
Mountain	14.04	1.9	36.5	14.17	2.4	36.4	13.51	2.4	36.6
Pacific	16.88	1.5	36.2	17.06	1.5	36.2	13.37	2.9	36.1

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 the 48 contiguous States. Collection was conducted from October 1996 through July 1998. The average reference month was August 1997.

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 Establishments classified with 50-99 workers may contain establishments with fewer than 50 workers due to reduction in staff from the time of sampling to data collection.

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

Table 8-2. **United States: Mean hourly earnings¹ and weekly hours by metropolitan and nonmetropolitan areas² for selected occupations, National Compensation Survey,³ 1997**

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	\$15.09	0.6	36.5	\$15.73	0.7	36.3	\$11.84	1.2	37.1
All excluding sales	15.26	.6	36.7	15.89	.7	36.6	12.05	1.2	37.2
White collar	18.59	.6	36.7	19.07	.8	36.6	15.15	1.2	37.0
White collar excluding sales	19.43	.6	37.3	19.83	.7	37.3	16.42	1.1	37.3
Professional specialty and technical	22.89	.6	36.3	23.34	.6	36.3	19.63	1.2	36.5
Professional specialty	24.70	.6	36.2	25.15	.6	36.2	21.53	1.4	36.3
Engineers, architects, and surveyors	27.76	.8	40.3	28.08	.7	40.3	24.52	6.2	40.2
Architects	23.93	6.6	39.9	23.93	6.6	39.9	-	-	-
Aerospace engineers	30.44	3.8	40.0	30.44	3.8	40.0	-	-	-
Metallurgical and materials engineers	26.51	4.8	40.2	26.51	4.8	40.2	-	-	-
Mining engineers	29.69	5.0	32.6	29.69	5.0	32.6	-	-	-
Petroleum engineers	35.44	6.4	40.8	34.90	7.1	40.9	-	-	-
Chemical engineers	30.65	2.9	39.9	30.24	3.3	39.9	-	-	-
Nuclear engineers	34.16	3.4	40.5	33.43	3.8	40.8	-	-	-
Civil engineers	26.17	2.0	40.1	26.55	2.1	40.0	22.52	2.5	41.5
Electrical and electronic engineers	29.24	1.1	40.3	29.25	1.1	40.3	28.52	7.3	40.0
Industrial engineers	24.49	3.4	40.5	24.66	1.5	40.6	23.97	12.9	40.2
Mechanical engineers	25.37	2.2	40.2	26.02	1.8	40.2	20.76	7.1	40.0
Engineers, n.e.c.	29.00	1.1	40.4	29.32	1.0	40.4	21.27	6.9	40.0
Surveyors and mapping scientists	19.65	7.9	39.3	20.05	9.7	39.1	-	-	-
Mathematical and computer scientists	26.96	1.5	39.9	26.98	1.4	39.9	26.38	16.8	39.8
Computer systems analysts and scientists	26.79	1.2	40.0	26.94	1.2	40.0	19.37	5.2	39.6
Operations and systems researchers and analysts	28.15	6.4	39.6	27.42	6.9	39.6	-	-	-
Actuaries	27.00	7.2	39.2	27.00	7.2	39.2	-	-	-
Statisticians	24.22	5.5	37.6	24.36	5.5	37.6	-	-	-
Mathematical scientists, n.e.c.	22.67	14.8	38.8	22.67	14.8	38.8	-	-	-
Natural scientists	24.31	2.1	40.0	24.73	2.0	40.0	18.01	5.9	40.0
Physicists and astronomers	37.31	10.4	40.8	37.31	10.4	40.8	-	-	-
Chemists, except biochemists	27.44	3.7	40.4	27.44	3.7	40.4	-	-	-
Atmospheric and space scientists	25.05	11.5	46.3	25.05	11.5	46.3	-	-	-
Geologists and geodesists	25.07	8.8	41.8	25.41	9.1	41.9	-	-	-
Physical scientists, n.e.c.	26.30	3.0	39.8	26.73	3.0	39.8	20.32	9.6	40.0
Agricultural and food scientists	21.93	6.0	40.3	22.05	6.3	40.3	-	-	-
Biological and life scientists	21.00	6.2	39.8	21.09	6.6	39.8	-	-	-
Forestry and conservation scientists	17.14	6.2	40.2	18.31	13.0	40.6	-	-	-
Medical scientists	21.43	5.8	38.5	21.60	5.8	38.4	-	-	-
Health related	21.83	.8	34.0	22.20	.7	33.9	19.45	3.4	34.3
Physicians	38.80	4.4	39.1	36.73	4.1	38.9	65.59	6.8	42.8
Dentists	37.45	8.6	31.8	37.45	8.6	31.8	-	-	-
Health diagnosing practitioners, n.e.c.	24.01	13.7	35.9	24.01	13.7	35.9	-	-	-
Registered nurses	20.11	.6	33.3	20.66	.7	33.2	16.83	2.0	33.8
Pharmacists	26.20	1.3	34.8	26.37	1.3	35.0	24.31	4.0	33.3
Dietitians	16.42	2.3	36.0	16.66	2.1	35.6	-	-	-
Respiratory therapists	16.88	1.3	33.0	16.95	1.5	33.2	16.54	2.5	32.3
Occupational therapists	21.67	4.4	35.0	21.64	4.7	34.8	-	-	-
Physical therapists	24.08	2.3	34.3	24.97	1.7	33.8	19.33	3.8	37.5
Speech therapists	22.83	2.7	34.0	22.68	2.4	34.3	23.52	9.8	33.0
Therapists, n.e.c.	15.64	2.3	36.6	15.77	2.6	36.6	14.71	4.2	36.1
Physicians' assistants	23.28	6.1	34.6	24.00	5.7	35.8	-	-	-
Teachers, college and university	32.46	1.6	33.7	33.31	1.7	33.4	27.47	3.3	35.7
Earth, environmental, and marine science teachers	32.06	9.1	38.0	32.59	12.2	37.3	-	-	-
Biological science teachers	32.51	8.6	37.5	34.86	8.4	34.6	-	-	-
Chemistry teachers	34.70	8.3	40.4	38.04	5.6	38.4	-	-	-
Physics teachers	40.36	13.5	37.0	41.77	15.5	36.4	-	-	-
Natural science teachers, n.e.c.	38.83	5.1	36.8	39.10	5.3	36.7	-	-	-
Psychology teachers	29.89	6.7	35.3	30.09	7.0	35.0	-	-	-
Economics teachers	50.79	15.4	43.3	-	-	-	-	-	-
History teachers	30.81	5.7	32.3	31.02	6.0	33.4	-	-	-
Political science teachers	33.67	8.5	36.2	35.03	8.6	35.7	-	-	-
Sociology teachers	32.31	10.6	34.9	32.64	11.7	35.6	-	-	-
Social science teachers, n.e.c.	32.84	8.0	37.4	33.48	9.0	37.9	-	-	-
Engineering teachers	33.26	9.6	40.1	35.68	10.4	38.5	-	-	-
Mathematical science teachers	32.49	5.2	31.7	33.46	5.3	31.9	-	-	-

See footnotes at end of table.

Table 8-2. **United States: Mean hourly earnings¹ and weekly hours by metropolitan and nonmetropolitan areas² for selected occupations, National Compensation Survey,³ 1997–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									
Computer science teachers	\$26.49	11.0	29.8	\$27.09	13.8	29.0	\$24.00	6.3	33.6
Medical science teachers	39.76	5.1	36.6	39.59	5.3	36.5	–	–	–
Health specialties teachers	30.90	3.9	35.2	31.23	4.0	35.3	25.36	6.3	33.0
Business, commerce, and marketing teachers	32.56	6.3	33.8	32.51	7.1	34.2	32.92	5.7	31.7
Agriculture and forestry teachers	41.94	24.8	35.2	–	–	–	45.09	24.0	34.4
Art, drama, and music teachers	28.63	3.5	32.4	27.65	3.6	32.3	33.10	9.7	33.3
Physical education teachers	25.60	12.4	32.6	26.12	17.9	30.9	–	–	–
Education teachers	29.81	9.8	34.9	31.04	12.3	34.0	25.98	6.3	38.1
English teachers	31.01	4.6	32.9	31.84	4.7	32.7	25.05	9.6	34.0
Foreign language teachers	24.76	12.0	33.0	28.97	5.7	29.3	17.09	17.2	42.7
Law teachers	56.07	10.5	34.1	56.07	10.5	34.1	–	–	–
Social work teachers	28.88	4.3	31.2	28.88	4.3	31.2	–	–	–
Theology teachers	38.63	8.6	36.8	41.10	6.1	36.4	–	–	–
Trade and industrial teachers	24.59	3.9	34.3	22.71	7.2	31.1	26.33	2.0	37.9
Teachers, post secondary, subject not specified	30.95	7.5	31.9	33.57	7.7	32.1	24.00	6.9	31.5
Teachers, post secondary, n.e.c.	31.10	3.0	31.3	31.49	3.1	31.6	25.64	8.4	27.7
Teachers, except college and university	25.62	.9	34.4	26.41	1.0	34.0	22.39	1.8	36.2
Prekindergarten and kindergarten	19.31	3.9	34.8	19.06	4.3	34.4	20.73	10.0	37.4
Elementary school teachers	26.38	1.1	36.3	27.41	1.2	35.8	22.49	2.1	38.1
Secondary school teachers	26.66	1.6	36.8	27.95	1.6	36.4	22.47	3.0	38.0
Teachers, special education	27.12	2.2	35.9	27.69	2.4	35.6	23.49	2.6	37.6
Teachers, n.e.c.	26.16	2.6	29.4	26.33	2.9	29.0	25.01	4.0	32.4
Substitute teachers	10.10	4.0	14.6	10.38	4.0	15.4	8.60	14.0	11.6
Vocational and educational counselors	23.24	4.2	36.8	23.66	5.0	36.6	21.48	4.4	37.7
Librarians, archivists, and curators	20.25	3.0	36.4	20.87	2.6	36.5	16.23	14.0	36.3
Librarians	20.60	3.3	36.5	21.31	2.7	36.6	16.47	14.6	36.4
Archivists and curators	17.94	8.9	35.8	18.26	9.2	35.8	–	–	–
Social scientists and urban planners	21.73	3.3	36.9	21.83	3.5	36.8	20.24	6.7	38.6
Economists	23.28	5.1	39.8	23.56	5.2	39.9	–	–	–
Psychologists	22.82	5.0	34.6	22.91	5.5	34.2	21.85	6.8	38.9
Sociologists	16.56	2.8	39.3	16.56	2.8	39.3	–	–	–
Social scientists, n.e.c.	13.41	15.9	38.4	13.04	16.0	38.3	–	–	–
Urban planners	20.56	4.5	39.5	20.84	4.6	39.5	–	–	–
Social, recreation, and religious workers	15.17	1.4	37.3	15.29	1.5	37.2	14.34	2.4	38.2
Social workers	15.38	1.4	37.6	15.51	1.6	37.4	14.57	2.7	38.7
Recreation workers	12.61	3.9	32.8	12.79	4.3	32.8	11.67	8.5	32.8
Clergy	12.01	15.5	41.8	12.01	15.5	41.8	–	–	–
Religious workers, n.e.c.	20.66	4.2	33.8	20.66	4.2	33.8	–	–	–
Lawyers and judges	34.83	3.1	39.9	35.27	3.1	40.5	28.62	17.9	32.4
Lawyers	34.48	3.2	40.2	35.18	3.2	40.8	19.53	9.1	30.1
Judges	41.56	7.5	34.2	38.73	9.1	31.4	–	–	–
Writers, authors, entertainers, athletes, and professionals, n.e.c.	21.34	2.7	36.9	21.63	2.8	36.9	12.29	4.6	35.6
Authors	30.53	33.8	30.8	30.53	33.8	30.8	–	–	–
Technical writers	20.00	3.8	38.6	20.03	3.8	38.6	–	–	–
Designers	20.70	4.6	39.9	20.70	4.6	39.9	–	–	–
Musicians and composers	41.23	15.8	16.5	42.08	15.7	16.7	–	–	–
Actors and directors	23.20	12.5	34.5	23.20	12.5	34.5	–	–	–
Painters, sculptors, craft artists, and artist printmakers	18.70	13.8	36.8	19.33	14.0	36.5	–	–	–
Photographers	15.95	7.2	39.3	16.47	7.0	39.2	–	–	–
Dancers	3.80	36.4	26.6	3.80	36.4	26.6	–	–	–
Artists, performers, and related workers, n.e.c.	13.31	11.4	26.1	13.31	11.4	26.1	–	–	–
Editors and reporters	22.03	4.9	38.9	22.04	5.0	38.9	–	–	–
Public relations specialists	20.00	5.0	38.0	21.12	3.8	37.8	–	–	–
Announcers	20.24	19.8	31.0	21.23	20.1	34.2	–	–	–
Athletes	26.42	31.6	25.1	28.53	33.6	24.2	13.84	14.2	32.3
Professional, n.e.c.	23.39	3.6	38.7	23.48	3.6	38.7	–	–	–
Technical	16.66	.9	36.8	17.16	1.0	36.7	13.04	1.8	37.2

See footnotes at end of table.

Table 8-2. **United States: Mean hourly earnings¹ and weekly hours by metropolitan and nonmetropolitan areas² for selected occupations, National Compensation Survey,³ 1997–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									
Clinical laboratory technologists and technicians	\$14.96	1.4	36.7	\$15.08	1.5	36.6	\$13.78	3.2	37.8
Dental hygienists	20.21	7.9	36.6	20.21	7.9	36.6	–	–	–
Health record technologists and technicians	11.69	3.2	34.7	12.06	2.8	34.4	9.80	9.2	36.0
Radiological technicians	16.30	1.3	33.5	16.62	1.3	33.2	13.65	2.1	35.6
Licensed practical nurses	12.56	.9	34.8	13.11	1.1	34.5	10.88	1.3	35.8
Health technologists and technicians, n.e.c.	12.92	1.5	34.9	13.19	1.6	35.0	10.82	3.7	34.4
Electrical and electronic technicians	17.73	1.8	39.6	17.75	1.8	39.6	17.47	10.3	40.0
Industrial engineering technicians	16.31	6.2	40.2	15.48	3.9	40.5	–	–	–
Mechanical engineering technicians	18.87	3.1	40.0	18.82	3.1	40.0	–	–	–
Engineering technicians, n.e.c.	18.09	1.8	39.4	18.58	1.6	39.3	12.92	6.6	39.9
Drafters	16.58	2.1	39.5	16.65	2.2	39.5	15.62	7.7	39.8
Surveying and mapping technicians	15.44	5.7	39.7	15.54	6.4	39.8	–	–	–
Biological technicians	14.86	4.6	37.5	15.31	4.8	37.2	11.31	9.3	40.0
Chemical technicians	17.17	2.5	39.6	17.21	2.5	39.7	16.97	8.5	39.1
Science technicians, n.e.c.	17.15	4.6	37.2	17.26	4.9	36.9	–	–	–
Airplane pilots and navigators	64.41	9.3	24.3	70.58	8.2	22.8	–	–	–
Broadcast equipment operators	17.09	12.4	36.1	17.18	12.4	36.1	–	–	–
Computer programmers	20.43	1.6	39.6	20.63	1.6	39.6	17.22	9.0	39.2
Tool programmers, numerical control	17.13	6.5	39.9	17.13	6.5	39.9	–	–	–
Legal assistants	16.15	3.1	39.3	16.24	3.2	39.2	–	–	–
Technical and related, n.e.c.	17.36	2.7	38.5	18.01	2.2	38.4	12.48	13.2	38.7
Executive, administrative, and managerial	27.00	.9	40.1	27.40	1.0	40.1	23.15	2.6	39.7
Executives, administrators, and managers	30.85	1.0	40.4	31.49	1.0	40.5	25.53	2.8	39.7
Legislators	16.21	15.1	13.7	15.44	14.2	15.9	18.20	39.8	10.1
Chief executives and general administrators, public administration	51.16	20.5	40.4	51.16	20.5	40.4	–	–	–
Administrators and officials, public administration ...	24.87	2.6	38.9	25.94	3.3	39.3	20.40	4.0	37.4
Financial managers	32.44	2.3	40.4	32.94	2.4	40.5	26.48	5.1	39.8
Personnel and labor relations managers	31.39	3.3	40.8	32.57	3.1	41.0	22.08	8.8	39.2
Purchasing managers	29.43	4.1	41.0	30.46	4.0	41.2	22.32	15.9	40.0
Managers, marketing, advertising, and public relations	34.87	2.0	41.0	35.14	2.0	41.1	28.04	10.5	39.9
Administrators, education and related fields	30.10	1.9	39.0	30.61	2.1	39.1	27.92	4.5	38.8
Managers, medicine and health	28.57	2.3	39.5	29.78	2.3	39.4	22.22	7.0	40.0
Managers, food servicing and lodging establishments	16.93	3.2	43.0	17.13	3.4	42.8	15.30	11.2	45.3
Managers, properties and real estate	25.79	8.5	40.4	25.79	8.5	40.4	–	–	–
Managers, service organizations, n.e.c.	24.44	5.0	39.6	23.83	4.5	39.6	–	–	–
Managers and administrators, n.e.c.	33.00	1.3	41.2	33.33	1.4	41.1	28.73	6.2	43.1
Management related	20.97	1.0	39.6	21.23	1.0	39.6	17.59	2.4	39.6
Accountants and auditors	19.74	2.5	39.5	20.28	1.8	39.5	14.28	8.9	39.9
Underwriters	23.28	10.7	39.5	23.66	10.8	39.5	15.59	11.0	39.2
Other financial officers	23.54	2.9	39.8	23.58	3.0	39.8	22.72	7.4	39.2
Management analysts	23.65	3.6	39.9	23.74	3.6	39.9	–	–	–
Personnel, training, and labor relations specialists ..	19.96	1.6	39.7	19.99	1.6	39.7	19.35	11.7	40.0
Purchasing agents and buyers, farm products	19.68	4.8	39.9	20.17	5.1	39.8	–	–	–
Buyers, wholesale and retail trade, except farm products	23.08	7.5	40.6	22.97	8.1	40.6	–	–	–
Purchasing agents and buyers, n.e.c.	20.05	4.0	39.9	20.37	4.4	39.9	16.96	3.0	40.0
Business and promotional agents	18.58	7.8	39.6	18.81	8.8	39.5	–	–	–
Construction inspectors	19.54	3.9	39.4	19.88	3.8	39.4	13.58	14.1	37.9
Inspectors and compliance officers, except construction	18.70	3.2	39.1	18.88	3.4	39.2	16.44	9.6	37.3
Management related, n.e.c.	21.37	1.1	39.3	21.56	1.2	39.3	19.42	6.6	39.8
Sales	12.78	3.5	33.0	13.55	2.2	32.6	8.72	4.5	35.3
Supervisors, sales	18.23	2.3	40.8	18.54	2.4	40.9	15.42	6.0	39.4
Insurance sales	22.44	9.0	36.9	22.47	9.2	36.8	–	–	–
Real estate sales	33.95	21.9	40.3	34.07	21.9	40.3	–	–	–

See footnotes at end of table.

Table 8-2. **United States: Mean hourly earnings¹ and weekly hours by metropolitan and nonmetropolitan areas² for selected occupations, National Compensation Survey,³ 1997–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									
Securities and financial services sales	\$34.66	11.8	38.8	\$34.74	11.9	38.9	–	–	–
Advertising and related sales	17.87	9.3	37.8	18.71	9.8	37.9	–	–	–
Sales, other business services	19.44	8.7	36.6	19.59	8.9	36.5	\$13.50	0.7	40.8
Sales engineers	27.60	5.5	41.5	27.57	5.6	41.4	–	–	–
Sales representatives, mining, manufacturing, and wholesale	23.54	3.3	41.0	23.84	3.4	40.9	19.30	12.6	41.8
Sales workers, motor vehicles and boats	16.89	3.6	44.0	16.92	3.7	44.0	–	–	–
Sales workers, apparel	8.10	3.9	26.4	8.15	4.0	26.4	–	–	–
Sales workers, shoes	10.03	10.1	28.9	10.03	10.1	28.9	–	–	–
Sales workers, furniture and home furnishings	10.29	9.3	30.2	11.16	7.1	31.3	–	–	–
Sales workers, radio, tv, hi-fi, and appliances	11.14	6.3	37.2	11.25	6.3	37.1	–	–	–
Sales workers, hardware and building supplies	10.56	5.9	37.2	11.08	5.0	36.9	–	–	–
Sales workers, parts	14.10	6.2	39.0	14.16	6.3	38.8	–	–	–
Sales workers, other commodities	10.05	4.3	30.3	10.24	4.6	30.0	8.21	7.7	34.0
Sales counter clerks	7.88	3.1	28.9	7.82	3.2	28.8	8.54	9.2	30.5
Cashiers	7.63	1.7	30.0	7.60	1.8	27.8	–	–	–
Street and door-to-door sales workers	15.71	23.8	27.8	16.40	24.2	29.0	–	–	–
News vendors	7.09	8.0	16.7	7.13	8.9	22.1	–	–	–
Demonstrators, promoters, and models, sales	8.70	6.5	22.3	8.70	6.7	22.0	–	–	–
Sales support, n.e.c.	11.55	5.5	36.5	11.72	5.8	36.9	9.37	8.5	31.7
Administrative support, including clerical	11.53	.6	36.9	11.73	.7	36.9	10.10	1.5	37.4
Supervisors, general office	15.95	1.5	39.6	16.08	1.5	39.6	14.18	5.5	39.5
Supervisors, computer equipment operators	20.73	4.7	39.6	19.48	4.3	38.9	–	–	–
Supervisors, financial records processing	17.47	1.9	39.6	17.63	1.9	39.8	14.84	6.8	36.9
Chief communications operators	16.65	6.3	40.5	16.66	7.3	40.5	–	–	–
Supervisors, distribution, scheduling, and adjusting clerks	16.90	3.1	40.3	16.85	2.6	40.1	17.12	12.3	41.3
Computer operators	13.23	2.4	39.0	13.30	2.5	38.9	12.49	8.9	39.3
Peripheral equipment operators	10.44	5.2	39.0	10.30	5.1	38.9	–	–	–
Secretaries	12.83	.9	38.1	13.10	.9	38.1	10.81	2.0	38.2
Stenographers	13.70	3.7	35.7	14.31	3.7	35.9	9.29	3.7	33.9
Typists	11.46	1.9	37.1	11.57	2.0	36.9	10.15	5.8	39.4
Interviewers	9.48	2.0	32.8	9.86	2.2	32.2	8.07	3.4	35.4
Hotel clerks	7.85	3.4	36.6	7.89	3.9	37.0	7.63	4.9	34.7
Transportation ticket and reservation agents	11.64	7.3	36.3	12.29	6.6	36.3	–	–	–
Receptionists	8.93	1.1	34.9	9.09	1.1	34.6	7.74	3.0	37.0
Information clerks, n.e.c.	11.13	3.5	35.5	11.20	3.6	35.4	9.51	16.5	38.6
Classified ad clerks	9.35	13.6	36.1	10.73	9.0	34.9	–	–	–
Correspondence clerks	10.78	5.3	38.4	10.78	5.3	38.4	–	–	–
Order clerks	11.42	1.7	37.8	11.44	1.8	37.6	11.12	7.1	40.0
Personnel clerks, except payroll and timekeeping ...	12.12	2.1	37.9	12.23	2.1	37.9	11.04	11.3	37.7
Library clerks	10.08	2.2	30.0	10.63	2.1	28.7	8.66	3.7	34.1
File clerks	8.60	2.0	35.1	8.70	2.1	35.4	6.69	2.6	30.4
Records clerks, n.e.c.	10.65	1.2	37.6	11.13	1.4	37.2	8.80	5.0	39.2
Bookkeepers, accounting and auditing clerks	11.32	.9	38.3	11.46	1.1	38.2	10.76	1.8	38.6
Payroll and timekeeping clerks	12.35	2.0	38.6	12.51	2.1	38.5	11.22	6.2	39.8
Billing clerks	10.65	1.7	37.9	10.87	1.6	38.3	8.90	5.0	35.1
Cost and rate clerks	11.90	5.8	38.2	12.68	3.6	37.9	–	–	–
Billing, posting, and calculating machine operators	8.90	4.9	34.9	8.99	5.1	34.7	–	–	–
Duplicating machine operators	9.30	4.0	36.6	9.30	4.0	36.6	–	–	–
Mail preparing and paper handling machine operators	8.86	5.2	33.4	8.86	5.2	33.4	–	–	–
Office machine operators, n.e.c.	8.41	6.0	35.8	8.44	6.3	36.2	–	–	–
Telephone operators	11.29	3.8	35.8	11.38	4.2	35.6	–	–	–
Communications equipment operators, n.e.c.	9.91	5.2	34.9	9.73	5.8	35.0	–	–	–
Mail clerks, except postal service	8.88	3.1	36.0	9.07	3.0	36.1	7.21	13.6	34.4
Messengers	10.75	9.6	35.9	10.93	9.5	35.9	7.18	2.3	36.0
Dispatchers	12.40	3.4	38.5	13.12	3.5	38.4	9.06	3.5	38.7
Production coordinators	14.13	1.7	38.8	14.33	1.8	38.8	12.87	4.2	39.1
Traffic, shipping and receiving clerks	11.30	2.9	37.7	11.24	2.3	37.4	11.56	11.5	39.0

See footnotes at end of table.

Table 8-2. **United States: Mean hourly earnings¹ and weekly hours by metropolitan and nonmetropolitan areas² for selected occupations, National Compensation Survey,³ 1997–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									
Stock and inventory clerks	\$10.70	1.6	36.3	\$10.75	1.7	35.9	\$10.37	4.4	39.1
Meter readers	14.15	3.8	39.6	13.95	3.8	39.5	15.44	8.6	40.0
Weighers, measurers, checkers, and samplers	12.62	5.9	37.3	12.68	6.1	38.7	–	–	–
Expeditors	12.54	3.2	38.3	12.58	3.3	38.3	–	–	–
Material recording, scheduling, and distribution clerks, n.e.c.	12.34	3.8	37.4	11.92	2.8	37.1	15.62	14.0	39.9
Insurance adjusters, examiners, and investigators ..	14.54	2.9	38.9	14.55	3.0	38.9	–	–	–
Investigators and adjusters, except insurance	11.77	2.6	37.4	11.85	2.6	37.5	9.17	4.2	35.1
Eligibility clerks, social welfare	12.59	1.9	38.5	12.62	2.0	38.5	12.33	4.4	38.1
Bill and account collectors	10.41	5.7	38.6	10.43	5.9	38.7	9.99	6.2	36.8
General office clerks	10.74	1.0	36.4	10.89	1.0	36.3	9.54	1.2	37.1
Bank tellers	8.63	1.8	32.4	8.68	1.9	32.5	7.67	3.0	31.9
Proofreaders	12.18	13.4	38.0	13.26	12.2	37.5	–	–	–
Data entry keyers	9.76	1.4	37.1	9.85	1.5	37.0	8.72	3.4	38.7
Statistical clerks	11.42	4.3	37.0	11.79	4.1	36.7	–	–	–
Teachers' aides	9.09	1.7	30.6	9.41	1.9	30.3	8.15	3.2	31.5
Administrative support, n.e.c.	11.44	1.6	36.6	11.84	1.2	36.5	8.85	6.5	37.3
Blue collar	12.36	.8	38.3	12.78	.7	38.2	10.74	2.1	38.8
Precision production, craft, and repair	15.86	1.2	39.8	16.44	.8	39.7	13.27	4.5	39.9
Supervisors, mechanics and repairers	21.57	1.9	40.5	21.90	1.7	40.3	18.59	9.5	42.5
Automobile mechanics	16.62	3.2	40.6	16.93	3.1	40.6	10.54	8.1	40.7
Automobile mechanic apprentices	9.97	7.5	38.4	9.97	7.5	38.4	–	–	–
Bus, truck, and stationary engine mechanics	15.04	2.6	40.1	15.46	1.7	40.1	11.52	12.1	40.6
Aircraft engine mechanics	21.07	4.0	40.0	20.57	3.8	39.9	–	–	–
Small engine repairs	12.31	7.5	37.5	12.48	8.0	37.3	–	–	–
Automobile body and related repairers	15.25	4.6	40.5	15.44	4.9	40.4	–	–	–
Aircraft mechanics, except engine	17.93	5.0	40.1	18.08	5.3	40.1	–	–	–
Heavy equipment mechanics	16.24	3.3	40.0	16.71	3.1	40.0	14.29	9.2	40.2
Industrial machinery repairers	16.06	1.7	39.9	16.33	1.1	39.9	15.39	5.4	39.9
Machinery maintenance	12.72	3.3	40.0	13.33	3.4	40.1	11.67	6.2	39.8
Electronic repairers, communications and industrial equipment	16.48	3.2	39.2	16.68	3.2	39.3	13.30	9.7	37.8
Data processing equipment repairers	15.42	4.6	37.9	15.55	4.9	37.7	–	–	–
Household appliance and power tool repairers	16.44	5.4	38.6	16.43	5.5	38.6	–	–	–
Telephone line installers and repairers	18.39	4.3	39.8	18.71	4.3	39.7	15.49	8.7	40.4
Telephone installers and repairers	17.54	4.1	40.0	17.47	4.3	40.0	19.68	1.9	40.0
Heating, air conditioning, and refrigeration mechanics	15.82	2.7	39.6	16.05	2.8	39.6	12.22	6.4	40.0
Camera, watch, and musical instrument repairers ..	16.08	10.9	40.0	16.08	10.9	40.0	–	–	–
Locksmiths and safe repairers	16.97	5.3	40.0	16.97	5.3	40.0	–	–	–
Office machine repairers	14.57	4.8	39.5	14.57	4.8	39.5	–	–	–
Mechanical controls and valve repairers	17.53	4.2	39.3	17.64	4.6	39.3	16.77	8.5	40.0
Elevator installers and repairers	19.21	22.1	40.0	–	–	–	–	–	–
Millwrights	18.43	5.9	40.1	18.05	3.0	40.1	–	–	–
Mechanics and repairers, n.e.c.	15.23	1.6	39.6	15.71	1.3	39.6	13.40	5.2	39.4
Supervisors, brickmasons, stonemasons, and tilesetters	17.34	11.7	39.8	17.53	12.6	39.8	–	–	–
Supervisors, carpenters and related workers	20.79	5.5	40.5	20.79	5.5	40.5	–	–	–
Supervisors, electricians and power transmission installers	22.25	5.0	40.0	23.62	3.9	40.0	17.23	14.8	40.0
Supervisors, painters, paperhangers, and plasterers	17.97	3.6	40.0	17.97	3.6	40.0	–	–	–
Supervisors, plumbers, pipefitters, and steamfitters ..	21.16	9.6	40.2	21.16	10.0	40.2	–	–	–
Supervisors, construction trades, n.e.c.	17.90	3.7	40.5	18.77	3.6	40.5	14.46	8.7	40.1
Brickmasons and stonemasons	15.52	6.3	40.0	16.45	3.4	40.0	–	–	–
Tile setters, hard and soft	15.19	4.2	39.0	–	–	–	–	–	–
Carpet installers	20.98	8.1	38.8	20.98	8.1	38.8	–	–	–
Carpenters	16.31	2.4	39.5	16.47	2.4	39.4	14.94	12.3	39.6
Carpenter apprentices	12.04	4.7	40.0	11.86	4.8	40.0	–	–	–

See footnotes at end of table.

Table 8-2. **United States: Mean hourly earnings¹ and weekly hours by metropolitan and nonmetropolitan areas² for selected occupations, National Compensation Survey,³ 1997–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									
Drywall installers	\$14.12	3.4	40.1	\$14.12	3.4	40.1	–	–	–
Electricians	18.31	2.0	40.0	18.95	2.2	39.9	\$15.42	3.8	40.0
Electrician apprentices	12.38	5.2	40.2	12.16	5.5	40.2	–	–	–
Electrical power installers and repairers	21.02	2.7	40.0	21.88	1.6	40.0	17.95	8.4	40.0
Painters, construction and maintenance	13.99	5.8	39.6	14.00	6.1	39.6	–	–	–
Plasterers	15.24	24.8	40.0	15.24	24.8	40.0	–	–	–
Plumbers, pipefitters and steamfitters	18.76	3.0	39.8	19.21	2.6	39.8	12.97	13.4	40.0
Plumber, pipefitter, and steamfitter apprentices	13.33	4.6	40.2	13.33	4.6	40.2	–	–	–
Concrete and terrazzo finishers	13.31	7.2	39.2	14.09	7.8	38.9	–	–	–
Glaziers	16.72	6.5	38.5	16.72	6.5	38.5	–	–	–
Insulation workers	12.74	6.1	35.5	13.02	6.0	35.3	–	–	–
Paving, surfacing, and tamping equipment operators	11.66	19.0	40.1	17.13	10.1	40.3	–	–	–
Roofers	12.54	9.9	34.9	12.57	10.3	34.8	–	–	–
Sheetmetal duct installers	16.67	10.2	39.0	16.67	10.2	39.0	–	–	–
Structural metal workers	15.95	7.6	39.5	16.28	8.1	39.4	–	–	–
Construction trades, n.e.c.	14.54	7.1	39.2	15.52	7.6	39.0	11.37	7.1	39.8
Supervisors, extractive	21.38	8.3	41.3	20.10	4.2	41.7	–	–	–
Drillers, oil well	16.58	2.3	41.3	16.58	2.3	41.3	–	–	–
Mining machine operators	18.27	5.6	40.0	15.44	3.1	40.0	18.35	5.7	40.0
Mining, n.e.c.	19.52	3.8	40.1	16.23	12.0	40.6	19.98	3.2	40.1
Supervisors, production	18.41	2.0	40.7	18.97	1.6	40.7	16.23	7.3	40.6
Tool and die makers	18.52	2.2	40.0	18.72	2.1	40.0	–	–	–
Tool and die maker apprentices	14.46	6.7	39.9	14.46	6.7	39.9	–	–	–
Precision assemblers, metal	15.51	3.0	40.1	15.51	3.0	40.1	–	–	–
Machinists	15.61	3.7	40.0	16.24	1.4	40.0	–	–	–
Machinist apprentices	11.55	6.2	40.0	11.55	6.2	40.0	–	–	–
Boilermakers	17.73	7.8	40.0	17.73	7.8	40.0	–	–	–
Precision grinders, filers, and tool sharpeners	15.05	8.1	40.3	15.05	8.1	40.3	–	–	–
Patternmakers and modelmakers, metal	18.78	6.7	40.0	18.78	6.7	40.0	–	–	–
Layout workers	14.66	5.6	40.0	14.66	5.6	40.0	–	–	–
Precious stones and metals workers	8.50	8.1	40.0	8.99	7.1	40.0	–	–	–
Engravers, metal	18.49	9.4	39.8	18.49	9.4	39.8	–	–	–
Sheet metal workers	15.40	4.9	40.0	15.47	5.0	40.0	–	–	–
Sheet metal worker apprentices	13.48	7.9	40.2	13.48	7.9	40.2	–	–	–
Cabinet makers and bench carpenters	10.84	6.8	39.8	10.90	7.0	39.8	–	–	–
Furniture and wood finishers	11.00	2.1	40.0	10.75	3.6	40.0	–	–	–
Tailors	10.24	6.1	37.9	10.74	6.7	37.1	–	–	–
Upholsterers	13.46	5.3	39.5	13.46	5.3	39.5	–	–	–
Hand molders and shapers, except jewelers	14.22	11.2	40.1	14.22	11.2	40.1	–	–	–
Patternmakers, layout workers, and cutters	16.02	15.0	38.0	19.06	7.6	39.1	–	–	–
Optical goods workers	10.94	12.7	39.8	10.94	12.7	39.8	–	–	–
Dental laboratory and medical appliance technicians	13.39	6.4	39.4	13.39	6.4	39.4	–	–	–
Bookbinders	13.39	3.9	39.4	13.98	3.9	39.0	–	–	–
Electrical and electronic equipment assemblers	9.33	2.3	39.6	9.63	2.9	39.2	–	–	–
Miscellaneous precision workers, n.e.c.	14.74	6.4	39.6	14.50	7.4	39.5	15.35	12.0	40.0
Precision food production	10.75	7.4	40.0	10.75	7.4	40.0	–	–	–
Butchers and meat cutters	10.00	4.2	38.7	10.57	4.2	38.0	8.97	5.8	39.9
Bakers	9.36	3.9	35.8	9.48	4.2	35.4	–	–	–
Food batchmakers	8.91	6.5	38.3	8.87	6.6	38.3	–	–	–
Inspectors, testers, and graders	15.76	2.5	40.2	15.66	2.6	40.2	20.24	10.9	40.6
Precision inspectors, testers, and related workers, n.e.c.	18.61	8.7	40.0	18.61	8.7	40.0	–	–	–
Adjusters and calibrators	11.77	12.9	39.7	11.77	12.9	39.7	–	–	–
Water and sewer treatment plant operators	15.13	2.9	39.9	15.37	2.6	39.9	13.54	14.1	40.0
Power plant operators	21.32	2.9	40.0	21.45	3.0	40.0	–	–	–
Stationary engineers	17.67	3.8	39.4	17.29	3.7	39.4	20.62	7.7	39.4
Miscellaneous plant and system operators, n.e.c.	20.23	2.2	40.0	20.38	2.2	40.0	17.77	.4	40.0
Machine operators, assemblers, and inspectors	11.03	1.1	39.6	11.39	1.0	39.6	10.04	2.7	39.7

See footnotes at end of table.

Table 8-2. **United States: Mean hourly earnings¹ and weekly hours by metropolitan and nonmetropolitan areas² for selected occupations, National Compensation Survey,³ 1997**—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									
Lathe and turning machine set-up operators	\$13.42	3.7	40.0	\$13.62	3.7	39.9	—	—	—
Lathe and turning machine operators	12.26	4.4	39.9	13.22	3.7	39.9	—	—	—
Milling and planing machine operators	—	—	—	13.54	5.7	41.5	—	—	—
Punching and stamping press operators	11.80	3.3	40.0	12.04	3.1	40.0	—	—	—
Rolling machine operators	13.06	8.9	40.2	13.88	7.7	40.3	—	—	—
Drilling and boring machine operators	11.55	9.6	40.0	12.83	4.6	39.9	—	—	—
Grinding, abrading, buffing, and polishing machine operators	10.99	3.0	40.0	11.48	2.3	40.0	\$10.28	7.2	40.0
Forging machine operators	11.68	4.3	39.9	12.11	3.0	39.8	—	—	—
Numerical control machine operators	12.62	3.5	40.3	13.26	2.7	40.4	—	—	—
Fabricating machine operators, n.e.c.	12.62	2.4	40.0	13.23	2.1	40.0	10.17	4.4	40.0
Molding and casting machine operators	9.82	3.0	39.7	9.70	3.1	39.6	10.53	6.6	40.0
Metal plating machine operators	11.62	3.9	40.3	11.58	4.2	40.3	—	—	—
Heat treating equipment operators	13.26	2.9	40.0	13.30	6.8	40.0	—	—	—
Wood lathe, routing, and planing machine operators	9.77	8.3	40.0	10.66	5.7	40.0	—	—	—
Sawing machine operators	8.96	5.5	39.8	8.52	10.0	39.4	9.21	6.5	40.0
Shaping and jointing machine operators	9.09	6.8	39.9	9.09	6.8	39.9	—	—	—
Nailing and tacking machine operators	9.13	2.4	40.0	9.13	2.4	40.0	—	—	—
Printing press operators	14.67	3.1	39.2	15.35	2.5	39.0	11.51	5.5	39.9
Photoengravers and lithographers	14.51	3.5	38.8	14.46	3.6	38.7	—	—	—
Typesetters and compositors	13.00	5.9	37.3	13.24	5.9	37.6	—	—	—
Winding and twisting machine operators	10.59	6.7	40.1	9.48	2.3	40.2	—	—	—
Knitting, looping, taping, and weaving machine operators	9.15	3.1	40.3	9.45	3.7	40.6	—	—	—
Textile cutting machine operators	9.37	8.2	40.3	9.18	9.0	40.0	—	—	—
Textile sewing machine operators	7.16	3.9	39.4	7.47	2.3	39.4	6.82	6.8	39.5
Shoe machine operators	8.82	8.1	39.9	8.82	8.1	39.9	—	—	—
Pressing machine operators	7.10	3.7	39.7	7.05	4.7	39.6	—	—	—
Laundering and dry cleaning machine operators	7.19	1.5	37.6	7.29	1.7	38.0	6.70	3.0	35.8
Cementing and gluing machine operators	9.86	8.8	40.0	10.81	4.5	40.0	—	—	—
Packaging and filling machine operators	10.07	4.8	39.2	10.94	4.7	39.2	8.02	8.3	39.3
Extruding and forming machine operators	10.76	3.2	39.8	11.43	3.4	39.8	—	—	—
Mixing and blending machine operators	12.57	2.6	40.1	12.81	3.0	40.0	11.87	6.4	40.4
Separating, filtering, and clarifying machine operators	15.26	3.5	39.9	15.24	3.8	39.8	—	—	—
Compressing and compacting machine operators ..	10.16	3.3	40.0	10.44	4.0	39.0	—	—	—
Painting and paint spraying machine operators	11.53	2.8	40.2	11.78	2.7	40.2	10.91	5.7	40.0
Roasting and baking machine operators, food	11.10	9.2	39.5	11.14	9.9	39.5	—	—	—
Washing, cleaning, and pickling machine operators	10.64	7.6	38.1	10.08	8.3	40.4	—	—	—
Folding machine operators	10.95	4.6	39.6	10.95	4.6	39.6	—	—	—
Furnace, kiln, and oven operators, except food	12.98	5.5	39.9	14.37	4.1	39.8	—	—	—
Crushing and grinding machine operators	11.39	5.9	40.0	11.61	5.5	40.0	9.84	24.0	40.0
Slicing and cutting machine operators	11.71	5.0	39.8	11.64	2.3	39.9	11.82	11.2	39.8
Photographic process machine operators	10.60	5.0	38.4	10.71	5.0	38.7	—	—	—
Miscellaneous machine operators, n.e.c.	11.57	2.4	39.6	11.60	1.6	39.7	11.50	5.9	39.6
Welders and cutters	13.70	1.6	40.1	13.73	1.7	40.1	—	—	—
Solders and braziers	8.54	8.1	40.0	9.31	4.8	40.0	—	—	—
Assemblers	11.15	2.6	39.4	11.42	2.6	39.4	9.11	4.2	39.3
Hand cutting and trimming	8.89	5.8	39.7	8.89	5.8	39.7	—	—	—
Hand molding, casting, and forming	12.03	7.2	39.9	11.60	9.6	39.7	—	—	—
Hand painting, coating, and decorating	10.03	6.2	39.1	10.03	6.2	39.1	—	—	—
Hand engraving and printing	8.13	7.6	40.1	8.13	7.6	40.1	—	—	—
Miscellaneous hand working, n.e.c.	9.50	3.2	38.6	9.65	3.2	38.1	9.14	6.5	39.8
Production inspectors, checkers and examiners	10.68	3.0	39.9	11.19	1.9	39.8	8.89	9.5	40.1
Production testers	11.45	4.2	40.1	12.00	3.7	40.1	7.82	11.3	40.0
Production samplers and weighers	12.51	7.2	40.3	12.93	6.8	40.7	—	—	—
Graders and sorters, except agricultural	8.66	8.3	40.2	9.50	12.4	40.5	8.11	9.2	40.0
Hand inspectors, n.e.c.	9.57	8.1	39.9	9.57	8.1	39.9	—	—	—

See footnotes at end of table.

Table 8-2. **United States: Mean hourly earnings¹ and weekly hours by metropolitan and nonmetropolitan areas² for selected occupations, National Compensation Survey,³ 1997–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	\$13.24	1.2	37.5	\$13.46	1.2	37.6	\$11.85	4.2	36.7
Supervisors, motor vehicle operators	15.12	6.5	41.1	16.52	4.5	41.5	–	–	–
Truck drivers	13.92	1.6	39.9	14.00	1.6	39.8	12.60	3.7	42.1
Driver-sales workers	13.13	4.6	39.0	13.18	4.6	39.0	–	–	–
Bus drivers	12.06	1.9	28.6	12.23	2.0	30.1	10.68	4.9	20.5
Taxicab drivers and chauffeurs	8.00	5.2	31.5	8.15	5.5	30.9	–	–	–
Parking lot attendants	6.81	4.3	26.9	6.84	4.5	26.7	–	–	–
Motor transportation, n.e.c.	8.63	5.2	32.0	8.78	5.5	32.8	7.08	10.6	25.6
Railroad conductors and yardmasters	23.43	7.3	40.5	23.43	7.3	40.5	–	–	–
Locomotive operating	22.51	8.9	40.8	22.51	8.9	40.8	–	–	–
Rail vehicle operators, n.e.c.	19.70	1.9	40.0	19.70	1.9	40.0	–	–	–
Ship captains and mates, except fishing boats	16.12	6.9	52.0	16.17	7.4	52.6	–	–	–
Sailors and deckhands	9.20	7.2	48.3	9.06	9.3	52.3	–	–	–
Marine engineers	11.95	21.5	57.3	11.95	21.5	57.3	–	–	–
Supervisors, material moving equipment	18.78	5.9	41.3	17.82	3.2	41.9	–	–	–
Operating engineers	14.94	6.9	40.1	16.34	5.1	40.1	10.67	6.6	40.0
Longshore equipment operators	20.66	8.4	30.1	20.66	8.4	30.1	–	–	–
Hoist and winch operators	11.65	7.9	40.8	11.65	7.9	40.8	–	–	–
Crane and tower operators	15.68	3.5	40.3	15.90	3.7	40.3	–	–	–
Excavating and loading machine operators	13.68	5.2	40.1	14.17	5.6	40.1	10.41	9.6	39.7
Grader, dozer, and scrapper operators	12.97	6.7	40.0	14.66	10.3	40.1	11.59	7.2	40.0
Industrial truck and tractor equipment operators	11.69	1.8	39.6	11.82	1.3	39.5	11.37	5.2	40.0
Miscellaneous material moving equipment operators, n.e.c.	13.90	3.4	36.5	14.35	3.6	35.6	12.22	7.5	40.0
Handlers, equipment cleaners, helpers, and laborers ...	9.34	1.0	35.5	9.48	1.1	35.1	8.81	2.0	37.0
Nursery workers	6.65	2.8	38.0	6.80	3.0	36.9	–	–	–
Supervisors, agriculture-related workers	16.56	5.6	40.0	16.84	5.7	40.0	–	–	–
Groundskeepers and gardeners, except farm	9.11	3.7	38.1	9.82	2.7	36.9	–	–	–
Animal caretakers, except farm	9.76	8.5	38.1	9.76	8.5	38.1	–	–	–
Inspectors, agricultural products	7.68	5.8	36.5	7.96	8.5	34.6	–	–	–
Supervisors, handlers, equipment cleaners, and laborers, n.e.c.	14.14	2.3	39.9	14.42	2.2	39.9	13.20	6.7	40.0
Helpers, mechanics and repairers	10.95	4.9	39.1	10.93	4.9	38.7	11.00	11.8	39.9
Helpers, construction trades	9.54	2.7	39.5	9.45	2.9	39.5	10.37	4.7	40.0
Helpers, extractive	14.17	13.0	38.4	–	–	–	–	–	–
Construction laborers	10.55	4.5	39.3	11.06	4.3	39.3	8.24	5.0	39.5
Production helpers	9.61	3.6	39.1	9.17	2.4	38.9	10.66	7.3	39.7
Garbage collectors	12.99	11.4	39.4	13.15	11.3	39.4	–	–	–
Stevedores	19.22	4.0	38.8	19.22	4.0	38.8	–	–	–
Stock handlers and baggers	8.25	1.8	29.5	8.40	2.1	29.5	7.44	2.8	29.3
Machine feeders and offbearers	9.16	2.8	38.8	9.17	2.7	38.5	9.08	9.7	40.0
Freight, stock, and material handlers, n.e.c.	10.47	2.6	34.5	10.71	2.6	33.9	8.99	7.1	38.4
Garage and service station related	8.68	10.7	32.4	8.69	11.3	33.5	–	–	–
Vehicle washers and equipment cleaners	8.45	4.1	37.1	8.56	4.5	37.3	7.75	8.8	35.3
Hand packers and packagers	8.17	1.8	37.6	8.34	1.9	37.5	7.17	4.8	38.5
Laborers, except construction, n.e.c.	8.94	1.4	37.1	8.95	1.6	36.5	8.89	3.1	38.8
Service	9.09	.8	33.0	9.40	1.0	32.6	8.00	1.5	34.5
Protective service	13.72	1.6	37.9	14.19	1.8	37.6	11.47	2.0	39.3
Supervisors, firefighters and fire prevention	19.53	3.3	49.0	20.05	3.3	48.7	13.45	7.1	52.3
Supervisors, police and detectives	22.99	3.0	40.2	23.92	2.9	40.2	15.22	9.1	40.1
Supervisors, guards	14.75	8.1	37.3	14.71	8.6	37.1	–	–	–
Fire inspection and fire prevention	17.40	5.4	37.4	17.67	6.0	37.0	–	–	–
Firefighting	14.26	2.6	44.4	14.48	2.6	44.4	10.67	7.2	43.6
Police and detectives, public service	18.71	1.5	39.5	19.08	1.5	39.6	14.32	3.7	39.0
Sheriffs, bailiffs, and other law enforcement officers	15.40	2.5	38.8	16.81	2.6	38.4	12.25	2.5	39.7
Correctional institution officers	13.76	3.9	39.8	14.76	2.4	39.8	12.22	5.2	39.7
Crossing guards	8.51	4.3	17.2	8.57	4.3	17.6	–	–	–
Guards and police, except public service	8.21	2.1	35.1	8.10	1.9	34.5	–	–	–
Protective service, n.e.c.	11.03	4.9	29.4	11.05	5.1	29.2	10.67	18.5	31.2

See footnotes at end of table.

Table 8-2. **United States: Mean hourly earnings¹ and weekly hours by metropolitan and nonmetropolitan areas² for selected occupations, National Compensation Survey,³ 1997–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	\$6.53	0.7	30.2	\$6.68	0.8	29.5	\$6.04	1.4	32.8
Supervisors, food preparation and service	10.81	1.8	38.4	11.00	1.9	38.4	9.85	4.7	38.3
Bartenders	5.98	3.4	29.3	5.99	4.0	29.3	5.93	4.1	29.2
Waiters and waitresses	4.04	4.5	29.2	3.81	2.8	27.1	–	–	–
Cooks	8.25	1.0	34.0	8.39	1.1	34.1	7.51	2.1	33.4
Food counter, fountain, and related	5.94	1.4	25.5	6.04	1.7	25.9	5.68	2.1	24.6
Kitchen workers, food preparation	7.42	1.2	30.5	7.53	1.3	30.1	6.83	2.6	32.3
Waiters/Waitresses' assistants	5.40	2.6	27.4	5.41	2.8	27.1	5.33	6.6	29.5
Food preparation, n.e.c.	6.55	1.5	29.8	6.68	1.2	28.4	6.25	1.5	33.9
Health service	8.45	.7	33.7	8.70	.9	34.1	7.47	2.0	32.2
Dental assistants	10.14	4.2	33.6	10.14	4.2	33.6	–	–	–
Health aides, except nursing	9.50	1.2	33.5	9.65	1.2	34.4	8.90	3.6	30.5
Nursing aides, orderlies and attendants	8.15	.9	33.7	8.43	1.0	34.0	7.12	2.0	32.7
Cleaning and building service	8.66	1.0	35.0	8.80	1.1	34.7	7.96	1.2	36.8
Supervisors, cleaning and building service workers	10.78	9.6	39.5	12.64	2.4	39.1	–	–	–
Maids and housemen	7.07	1.8	34.8	7.31	2.0	35.2	5.97	2.0	33.2
Janitors and cleaners	8.72	1.1	34.5	8.78	1.3	34.2	8.26	1.3	36.5
Pest control	10.72	8.8	42.2	10.72	8.8	42.2	–	–	–
Personal service	8.74	1.4	29.8	8.79	2.1	27.9	8.65	1.4	34.3
Supervisors, personal service	16.62	1.7	38.7	13.22	4.2	35.8	–	–	–
Attendants, amusement, and recreation facilities	6.19	4.4	30.6	6.57	3.5	29.2	–	–	–
Guides	8.79	10.6	26.6	8.89	11.1	26.8	–	–	–
Ushers	5.97	3.1	18.4	5.97	3.1	18.4	–	–	–
Public transportation attendants	21.73	7.5	23.1	22.05	7.8	22.8	–	–	–
Baggage porters and bellhops	6.90	6.4	35.6	6.90	6.4	35.6	–	–	–
Welfare service aides	7.13	6.8	27.5	7.11	8.1	26.6	7.21	8.5	32.7
Early childhood teachers' assistants	7.65	2.1	28.6	7.72	2.5	27.8	7.43	3.9	32.3
Child care workers, n.e.c.	8.28	2.2	26.3	8.31	2.3	25.7	8.10	5.9	30.8
Service, n.e.c.	7.24	8.2	31.4	7.86	2.2	28.9	–	–	–

¹ Earnings are the straight-time hourly wages or salaries paid to employees. They include incentive pay, cost-of-living adjustments, and hazard pay. Excluded are premium pay for overtime, vacations, 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 the 48 contiguous States. Collection was conducted between

October 1996 and July 1998. The average reference period was August 1997.

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 8-3. **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 **1997**

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	\$16.96	1.8	35.1	\$17.42	1.8	35.2	\$13.75	5.3	34.0
All excluding sales	17.13	1.8	35.4	17.62	1.7	35.6	13.75	5.1	33.9
White collar	20.58	1.6	35.5	20.85	1.8	35.4	18.35	1.2	35.9
White collar excluding sales	21.28	1.5	36.1	21.61	1.7	36.1	18.64	.5	35.9
Professional specialty and technical	24.44	1.4	35.0	24.89	1.7	35.0	21.14	.6	34.9
Professional specialty	26.45	1.6	34.7	27.01	1.8	34.7	22.56	.2	34.7
Engineers, architects, and surveyors	29.00	2.0	39.9	29.10	2.1	39.9	-	-	-
Aerospace engineers	33.26	6.9	40.4	33.26	6.9	40.4	-	-	-
Chemical engineers	26.44	9.4	40.0	26.44	9.4	40.0	-	-	-
Civil engineers	26.43	7.9	37.9	26.43	7.9	37.9	-	-	-
Electrical and electronic engineers	31.02	3.2	40.1	31.02	3.2	40.1	-	-	-
Industrial engineers	26.22	4.3	40.6	26.22	4.3	40.6	-	-	-
Mechanical engineers	26.77	4.9	40.4	26.75	7.1	40.6	-	-	-
Engineers, n.e.c.	30.07	2.8	39.7	30.07	2.8	39.7	-	-	-
Mathematical and computer scientists	27.86	2.9	39.2	28.37	2.4	39.2	21.71	4.6	39.0
Computer systems analysts and scientists	28.37	3.4	39.1	29.05	2.6	39.2	21.71	4.6	39.0
Operations and systems researchers and analysts	25.29	4.2	39.4	25.29	4.2	39.4	-	-	-
Natural scientists	28.59	7.6	37.7	29.67	7.0	37.4	-	-	-
Physicists and astronomers	42.36	5.6	40.0	42.36	5.6	40.0	-	-	-
Chemists, except biochemists	25.22	17.2	39.0	25.22	17.2	39.0	-	-	-
Medical scientists	26.13	12.9	35.9	26.13	12.9	35.9	-	-	-
Health related	23.07	4.3	32.1	24.14	3.2	32.1	-	-	-
Physicians	44.95	16.2	40.0	44.95	16.2	40.0	-	-	-
Registered nurses	20.98	3.4	31.1	21.97	1.7	31.4	-	-	-
Pharmacists	25.40	2.8	34.5	25.40	2.8	34.5	-	-	-
Dietitians	17.88	4.9	27.4	17.88	4.9	27.4	-	-	-
Respiratory therapists	19.07	3.0	34.6	19.07	3.0	34.6	-	-	-
Occupational therapists	26.17	7.4	35.2	26.17	7.4	35.2	-	-	-
Physical therapists	24.11	10.1	32.3	28.85	4.4	27.4	-	-	-
Speech therapists	29.86	9.8	35.6	-	-	-	-	-	-
Therapists, n.e.c.	18.92	10.0	33.9	18.92	10.0	33.9	-	-	-
Physicians' assistants	27.95	3.4	40.5	-	-	-	-	-	-
Teachers, college and university	36.57	2.4	33.7	37.85	3.2	32.6	32.61	1.3	37.6
Engineering teachers	43.69	14.1	27.3	48.22	9.2	27.0	-	-	-
Mathematical science teachers	36.93	27.3	32.5	-	-	-	-	-	-
Medical science teachers	42.18	5.5	34.7	40.39	13.9	28.7	-	-	-
Health specialties teachers	29.39	6.8	30.0	-	-	-	-	-	-
Business, commerce, and marketing teachers	48.54	15.7	35.7	60.49	11.8	32.3	-	-	-
Art, drama, and music teachers	32.20	7.1	34.6	31.99	8.3	33.8	-	-	-
Education teachers	41.70	14.5	35.6	-	-	-	-	-	-
English teachers	39.01	8.4	35.6	39.01	8.4	35.6	-	-	-
Foreign language teachers	33.99	11.2	37.4	33.99	11.2	37.4	-	-	-
Trade and industrial teachers	27.04	4.6	36.7	-	-	-	-	-	-
Teachers, post secondary, subject not specified	31.85	8.5	31.7	31.85	8.5	31.7	-	-	-
Teachers, post secondary, n.e.c.	33.78	2.2	34.8	33.69	2.4	34.5	-	-	-
Teachers, except college and university	29.26	3.3	32.0	30.00	3.4	31.3	25.99	4.9	35.5
Prekindergarten and kindergarten	22.78	13.7	32.7	22.78	13.7	32.7	-	-	-
Elementary school teachers	30.83	3.0	34.3	31.38	3.3	33.7	27.84	5.5	38.1
Secondary school teachers	28.72	4.7	34.6	29.79	3.7	33.5	-	-	-
Teachers, special education	29.25	6.7	35.6	30.65	7.0	34.4	-	-	-
Teachers, n.e.c.	32.44	11.3	26.0	32.49	11.3	26.1	-	-	-
Substitute teachers	8.53	10.2	12.2	8.43	12.4	11.8	-	-	-
Vocational and educational counselors	27.34	7.0	32.0	29.14	8.1	34.6	-	-	-
Librarians, archivists, and curators	21.63	9.7	33.7	22.94	9.5	32.9	-	-	-
Librarians	21.77	10.0	36.0	23.25	9.4	35.6	-	-	-
Social scientists and urban planners	20.30	12.2	30.3	20.67	13.3	29.8	-	-	-
Economists	20.08	12.7	39.4	22.60	12.5	39.1	-	-	-
Social, recreation, and religious workers	16.14	3.6	33.0	16.26	3.8	32.9	-	-	-
Social workers	16.40	3.8	33.7	16.54	4.0	33.7	-	-	-
Recreation workers	12.60	7.6	25.2	12.60	7.6	25.2	-	-	-
Lawyers and judges	32.42	5.3	39.5	32.42	5.3	39.5	-	-	-
Lawyers	31.61	6.0	39.6	31.61	6.0	39.6	-	-	-

See footnotes at end of table.

Table 8-3. **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 **1997–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.									
	\$21.32	5.8	36.9	\$21.87	5.5	37.9	–	–	–
Technical writers	23.93	10.9	36.6	23.93	10.9	36.6	–	–	–
Designers	23.69	10.2	39.1	23.69	10.2	39.1	–	–	–
Editors and reporters	21.08	14.0	37.6	21.08	14.0	37.6	–	–	–
Public relations specialists	20.25	10.5	39.7	21.90	8.9	40.0	–	–	–
Athletes	15.82	21.1	24.1	18.77	18.0	35.7	–	–	–
Professional, n.e.c.	21.89	11.9	36.7	21.89	11.9	36.7	–	–	–
Technical	17.23	2.1	36.1	17.46	2.4	36.1	\$15.28	0.7	35.8
Clinical laboratory technologists and technicians	15.56	4.1	34.1	15.56	4.1	34.1	–	–	–
Radiological technicians	19.07	4.8	31.2	19.07	4.8	31.2	–	–	–
Licensed practical nurses	15.34	3.2	30.9	16.07	2.1	31.9	–	–	–
Health technologists and technicians, n.e.c.	14.68	6.5	34.6	14.68	6.5	34.6	–	–	–
Electrical and electronic technicians	17.61	2.5	39.5	17.63	2.6	39.4	–	–	–
Mechanical engineering technicians	20.02	7.8	39.7	20.02	7.8	39.7	–	–	–
Engineering technicians, n.e.c.	19.34	5.2	39.8	19.34	5.2	39.8	–	–	–
Drafters	17.70	3.5	39.5	19.22	4.1	39.2	–	–	–
Chemical technicians	18.00	2.9	40.0	18.02	6.2	40.0	–	–	–
Science technicians, n.e.c.	15.93	3.3	38.4	15.30	4.6	36.6	–	–	–
Computer programmers	21.62	6.0	38.1	21.62	6.0	38.1	–	–	–
Legal assistants	19.04	11.9	38.3	19.04	11.9	38.3	–	–	–
Technical and related, n.e.c.	18.40	6.2	38.3	18.40	6.2	38.3	–	–	–
Executive, administrative, and managerial	28.54	2.5	39.6	29.00	2.8	39.5	24.81	1.5	40.4
Executives, administrators, and managers	33.40	3.2	39.9	34.36	3.5	39.7	27.37	.8	40.9
Legislators	25.84	4.7	23.6	25.84	4.7	23.6	–	–	–
Administrators and officials, public administration ...	26.04	8.5	36.5	28.26	4.2	36.0	–	–	–
Financial managers	31.97	6.6	40.1	31.62	7.9	40.1	33.16	11.6	40.0
Personnel and labor relations managers	30.48	17.2	40.7	38.89	11.7	41.2	–	–	–
Purchasing managers	30.16	7.3	41.1	30.16	7.3	41.1	–	–	–
Managers, marketing, advertising, and public relations	38.01	6.1	40.9	38.01	6.1	40.9	–	–	–
Administrators, education and related fields	32.94	4.3	37.5	32.68	4.3	37.3	–	–	–
Managers, medicine and health	28.10	8.0	40.0	28.95	8.6	39.2	–	–	–
Managers, food servicing and lodging establishments	18.29	15.0	41.1	18.29	15.0	41.1	–	–	–
Managers, service organizations, n.e.c.	21.62	10.9	39.8	22.76	9.8	39.8	–	–	–
Managers and administrators, n.e.c.	37.83	6.6	40.8	38.83	7.2	40.7	30.55	1.4	41.9
Management related	20.86	2.0	39.1	21.16	2.2	39.1	16.73	.7	39.0
Accountants and auditors	19.37	3.4	38.5	19.59	3.7	38.3	–	–	–
Underwriters	21.99	9.0	38.5	23.77	8.4	38.9	–	–	–
Other financial officers	23.44	4.7	39.4	23.48	4.7	39.6	–	–	–
Management analysts	25.98	11.7	40.7	26.09	11.8	40.7	–	–	–
Personnel, training, and labor relations specialists ..	19.57	5.0	39.8	19.75	5.1	39.7	–	–	–
Buyers, wholesale and retail trade, except farm products	31.02	20.3	40.8	31.02	20.3	40.8	–	–	–
Purchasing agents and buyers, n.e.c.	18.96	7.7	39.8	18.96	7.7	39.8	–	–	–
Construction inspectors	18.42	15.4	33.1	21.97	5.7	34.7	–	–	–
Inspectors and compliance officers, except construction	20.57	5.8	36.8	20.57	5.8	36.8	–	–	–
Management related, n.e.c.	20.76	3.8	39.6	21.03	4.1	39.4	–	–	–
Sales	14.45	6.2	31.2	14.50	6.6	30.9	13.82	10.8	35.5
Supervisors, sales	18.73	9.5	43.1	18.41	10.7	43.5	–	–	–
Insurance sales	27.20	13.2	38.8	27.20	13.2	38.8	–	–	–
Advertising and related sales	27.04	13.6	39.9	27.04	13.6	39.9	–	–	–
Sales, other business services	23.30	20.6	39.8	23.30	20.6	39.8	–	–	–
Sales representatives, mining, manufacturing, and wholesale	29.41	9.0	40.7	29.41	9.0	40.7	–	–	–
Sales workers, motor vehicles and boats	25.01	21.4	42.2	25.01	21.4	42.2	–	–	–

See footnotes at end of table.

Table 8-3. **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 **1997—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	\$6.80	3.1	29.7	\$6.80	3.1	29.7	—	—	—
Sales workers, other commodities	10.44	10.0	28.6	9.62	7.5	27.9	—	—	—
Sales counter clerks	9.27	6.7	29.3	9.27	6.7	29.3	—	—	—
Cashiers	7.11	4.1	24.1	7.17	4.4	23.9	—	—	—
Sales support, n.e.c.	12.40	13.8	37.6	13.65	13.1	36.8	—	—	—
Administrative support, including clerical									
Supervisors, general office	12.50	1.6	35.5	12.71	1.8	35.6	\$10.64	2.9	34.9
Supervisors, financial records processing	18.33	5.4	37.0	19.31	6.3	36.4	—	—	—
Supervisors, distribution, scheduling, and adjusting clerks	17.93	5.7	39.4	18.49	6.0	39.6	—	—	—
Computer operators	19.37	5.7	39.0	19.37	5.7	39.0	—	—	—
Secretaries	15.29	3.7	36.7	15.54	3.6	36.5	—	—	—
Typists	14.36	1.5	36.8	14.58	1.7	37.1	13.03	1.1	35.4
Interviewers	12.14	3.5	34.5	12.14	3.5	34.5	—	—	—
Hotel clerks	11.28	3.2	28.1	11.26	3.3	27.8	—	—	—
Transportation ticket and reservation agents	9.05	4.4	32.7	9.05	4.4	32.7	—	—	—
Receptionists	13.26	2.9	38.0	13.26	2.9	38.0	—	—	—
Information clerks, n.e.c.	9.98	2.4	32.8	10.14	2.8	32.9	—	—	—
Correspondence clerks	12.55	9.8	35.6	12.55	9.8	35.6	—	—	—
Order clerks	12.04	6.4	34.6	12.04	6.4	34.6	—	—	—
Personnel clerks, except payroll and timekeeping ...	11.86	6.0	36.3	11.90	6.2	36.1	—	—	—
Library clerks	12.21	6.7	32.4	12.74	5.7	33.4	—	—	—
File clerks	11.68	6.4	29.8	12.09	6.3	28.5	—	—	—
Records clerks, n.e.c.	7.81	9.4	34.1	7.81	9.4	34.3	—	—	—
Bookkeepers, accounting and auditing clerks	11.70	5.0	35.4	12.01	5.4	35.2	—	—	—
Payroll and timekeeping clerks	12.40	1.9	36.6	12.65	2.2	37.2	9.27	1.9	29.8
Billing clerks	12.89	4.7	36.8	13.01	4.7	36.8	—	—	—
Duplicating machine operators	9.49	8.2	33.1	10.42	6.1	37.3	—	—	—
Telephone operators	10.41	7.5	32.7	10.41	7.5	32.7	—	—	—
Mail clerks, except postal service	9.68	5.3	32.9	9.68	5.3	32.9	—	—	—
Dispatchers	8.71	3.7	26.3	8.71	3.7	26.3	—	—	—
Production coordinators	12.12	15.9	34.3	12.12	16.9	34.6	—	—	—
Traffic, shipping and receiving clerks	15.85	5.3	38.1	15.85	5.3	38.1	—	—	—
Stock and inventory clerks	11.55	6.1	38.5	12.16	3.8	39.6	—	—	—
Expeditors	12.80	2.9	37.4	12.47	3.5	36.9	—	—	—
Material recording, scheduling, and distribution clerks, n.e.c.	11.11	4.8	34.9	—	—	—	—	—	—
Insurance adjusters, examiners, and investigators ..	11.96	5.1	36.2	11.96	5.1	36.2	—	—	—
Investigators and adjusters, except insurance	15.78	4.1	37.9	15.78	4.1	37.9	—	—	—
Bill and account collectors	12.21	4.0	35.8	12.18	4.1	35.8	—	—	—
General office clerks	13.24	3.9	39.7	13.24	3.9	39.7	—	—	—
Data entry keyers	11.91	1.8	35.2	11.90	1.8	35.0	—	—	—
Statistical clerks	10.61	4.8	36.0	11.25	4.3	35.1	—	—	—
Teachers' aides	13.11	4.5	34.4	13.11	4.5	34.4	—	—	—
Administrative support, n.e.c.	9.31	4.9	32.9	10.01	3.7	30.5	—	—	—
Administrative support, n.e.c.	12.44	6.0	35.0	12.68	6.5	34.7	—	—	—
Blue collar	12.52	2.7	37.6	13.10	1.4	37.5	9.39	9.3	38.3
Precision production, craft, and repair									
Supervisors, mechanics and repairers	16.75	1.6	39.8	16.97	1.7	39.8	14.37	.7	39.2
Automobile mechanics	23.03	4.3	40.2	23.03	4.3	40.2	—	—	—
Bus, truck, and stationary engine mechanics	17.36	6.7	40.6	17.36	6.7	40.6	—	—	—
Industrial machinery repairers	19.01	6.5	41.3	19.26	6.6	41.4	—	—	—
Electronic repairers, communications and industrial equipment	15.76	2.9	40.0	15.43	3.6	39.9	—	—	—
Mechanics and repairers, n.e.c.	13.68	11.6	34.2	13.78	11.9	36.9	—	—	—
Supervisors, construction trades, n.e.c.	17.39	4.2	39.3	17.39	4.2	39.3	—	—	—
Carpenters	17.36	3.3	39.0	18.30	2.6	38.7	—	—	—
Electricians	18.70	6.0	39.4	18.70	6.0	39.4	—	—	—
Electrical power installers and repairers	19.15	7.5	40.0	19.15	7.5	40.0	—	—	—
Electrical power installers and repairers	23.29	2.7	40.0	23.36	2.7	40.0	—	—	—

See footnotes at end of table.

Table 8-3. **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 **1997–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	\$16.42	6.6	40.0	\$16.95	7.0	40.0	–	–	–
Plumbers, pipefitters and steamfitters	17.01	8.9	40.0	17.54	8.8	40.0	–	–	–
Construction trades, n.e.c.	13.43	9.7	39.9	15.59	8.2	39.9	–	–	–
Supervisors, production	17.76	4.0	40.6	18.68	4.0	40.5	–	–	–
Tool and die makers	16.59	3.8	40.0	16.59	3.8	40.0	–	–	–
Precision assemblers, metal	13.82	5.2	40.0	13.82	5.2	40.0	–	–	–
Machinists	17.03	2.9	40.0	17.36	2.4	40.0	–	–	–
Sheet metal workers	14.51	7.3	40.0	15.54	6.4	40.0	–	–	–
Electrical and electronic equipment assemblers	11.82	4.5	39.8	11.82	4.5	39.8	–	–	–
Butchers and meat cutters	12.19	9.7	38.2	13.12	12.1	37.4	–	–	–
Inspectors, testers, and graders	12.67	10.8	39.5	12.66	10.9	39.5	–	–	–
Water and sewer treatment plant operators	18.02	2.4	40.0	18.02	2.4	40.0	–	–	–
Machine operators, assemblers, and inspectors	10.38	4.1	38.6	10.96	2.4	38.4	\$8.52	8.1	39.0
Lathe and turning machine operators	13.07	10.9	40.0	13.07	10.9	40.0	–	–	–
Milling and planing machine operators	12.16	9.3	40.0	12.16	9.3	40.0	–	–	–
Punching and stamping press operators	9.47	3.4	39.6	9.47	3.4	39.6	–	–	–
Grinding, abrading, buffing, and polishing machine operators	8.08	7.8	40.0	9.02	6.7	40.0	–	–	–
Numerical control machine operators	11.96	8.7	40.0	11.96	8.7	40.0	–	–	–
Fabricating machine operators, n.e.c.	12.05	5.3	40.0	12.05	5.3	40.0	–	–	–
Molding and casting machine operators	9.97	6.0	39.9	10.49	7.8	39.8	–	–	–
Metal plating machine operators	12.22	7.6	41.6	12.22	7.6	41.6	–	–	–
Heat treating equipment operators	12.69	5.4	40.0	12.69	5.4	40.0	–	–	–
Printing press operators	14.33	5.3	39.6	14.46	5.8	39.8	–	–	–
Photoengravers and lithographers	13.54	13.9	39.8	13.54	13.9	39.8	–	–	–
Typesetters and compositors	9.96	11.5	36.4	9.96	11.5	36.4	–	–	–
Winding and twisting machine operators	9.19	2.1	40.0	–	–	–	–	–	–
Knitting, looping, taping, and weaving machine operators	9.77	2.9	40.0	–	–	–	–	–	–
Textile sewing machine operators	9.65	6.0	40.0	9.65	6.0	40.0	–	–	–
Laundering and dry cleaning machine operators	7.16	9.4	35.0	7.39	12.3	33.9	–	–	–
Cementing and gluing machine operators	12.16	2.8	40.0	12.16	2.8	40.0	–	–	–
Packaging and filling machine operators	9.42	11.6	39.8	9.42	11.6	39.8	–	–	–
Extruding and forming machine operators	10.50	10.1	38.2	11.84	2.7	37.3	–	–	–
Mixing and blending machine operators	11.86	8.9	40.0	–	–	–	–	–	–
Separating, filtering, and clarifying machine operators	14.46	4.1	40.0	14.46	4.1	40.0	–	–	–
Compressing and compacting machine operators ..	9.91	12.8	33.4	9.91	12.8	33.4	–	–	–
Painting and paint spraying machine operators	10.13	4.1	40.1	10.18	8.9	40.1	–	–	–
Furnace, kiln, and oven operators, except food	13.66	4.1	38.6	13.66	4.1	38.6	–	–	–
Slicing and cutting machine operators	8.46	14.7	40.0	11.40	6.8	40.0	–	–	–
Miscellaneous machine operators, n.e.c.	9.80	7.0	38.9	11.08	3.3	39.8	7.44	8.4	37.3
Welders and cutters	14.86	3.0	40.1	14.86	3.0	40.1	–	–	–
Assemblers	9.52	3.0	34.5	8.98	3.8	33.6	–	–	–
Miscellaneous hand working, n.e.c.	9.93	9.7	40.3	9.93	9.7	40.3	–	–	–
Production inspectors, checkers and examiners	10.91	4.6	39.9	11.11	4.5	39.9	–	–	–
Production testers	11.61	3.7	40.0	11.61	3.7	40.0	–	–	–
Transportation and material moving	14.08	3.4	37.2	14.10	3.4	37.2	–	–	–
Truck drivers	14.05	4.1	38.3	14.05	4.3	38.3	–	–	–
Driver-sales workers	13.98	14.9	40.1	13.98	14.9	40.1	–	–	–
Bus drivers	13.78	5.4	33.2	13.92	5.5	33.5	–	–	–
Supervisors, material moving equipment	16.28	9.5	41.9	16.28	9.5	41.9	–	–	–
Excavating and loading machine operators	23.88	4.0	40.0	23.88	4.0	40.0	–	–	–
Industrial truck and tractor equipment operators	12.05	8.3	39.2	12.05	8.3	39.2	–	–	–
Miscellaneous material moving equipment operators, n.e.c.	12.61	6.2	40.0	12.61	6.2	40.0	–	–	–
Handlers, equipment cleaners, helpers, and laborers ...	9.69	3.8	33.4	10.06	3.4	33.0	7.75	7.1	36.1
Groundskeepers and gardeners, except farm	10.80	5.9	35.0	10.83	6.1	34.8	–	–	–

See footnotes at end of table.

Table 8-3. **New England census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1997–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									
Supervisors, handlers, equipment cleaners, and laborers, n.e.c.	\$16.07	1.9	39.2	–	–	–	–	–	–
Construction laborers	14.15	10.3	39.7	\$14.68	10.7	39.7	–	–	–
Production helpers	8.02	21.5	39.7	11.09	10.2	39.3	–	–	–
Stock handlers and baggers	8.42	3.7	28.8	8.61	3.3	28.3	–	–	–
Machine feeders and offbearers	8.16	15.7	36.8	9.95	7.7	35.1	–	–	–
Freight, stock, and material handlers, n.e.c.	10.61	5.2	33.5	10.21	4.2	33.0	–	–	–
Garage and service station related	8.42	12.4	20.4	9.18	13.0	28.0	–	–	–
Hand packers and packagers	7.99	4.0	31.2	8.07	4.2	31.4	–	–	–
Laborers, except construction, n.e.c.	9.44	4.3	35.8	9.10	4.8	35.6	–	–	–
Service	10.07	1.7	30.6	10.45	1.7	31.7	\$7.69	2.8	25.1
Protective service	14.42	3.8	36.3	14.49	3.9	36.3	12.55	1.1	35.9
Supervisors, firefighters and fire prevention	20.88	2.9	41.7	21.23	2.8	41.7	–	–	–
Supervisors, police and detectives	23.04	6.8	39.7	23.03	7.3	39.6	–	–	–
Supervisors, guards	15.86	9.6	36.7	15.86	9.6	36.7	–	–	–
Firefighting	16.69	2.8	43.3	16.69	2.8	43.3	–	–	–
Police and detectives, public service	17.34	1.9	38.5	17.53	2.0	39.1	–	–	–
Sheriffs, bailiffs, and other law enforcement officers	16.03	7.4	39.5	16.70	8.2	39.6	–	–	–
Crossing guards	9.44	7.3	16.2	9.44	7.3	16.2	–	–	–
Guards and police, except public service	8.59	3.8	33.6	8.60	3.9	33.4	–	–	–
Protective service, n.e.c.	7.88	7.1	19.4	7.88	7.1	19.4	–	–	–
Food service	7.30	2.9	27.2	7.59	3.6	28.5	6.45	1.0	24.0
Supervisors, food preparation and service	12.87	3.8	40.2	13.37	5.4	39.2	–	–	–
Bartenders	5.89	9.8	25.1	5.73	13.8	27.7	–	–	–
Waiters and waitresses	3.89	16.5	24.3	4.31	20.8	25.6	2.93	5.8	21.7
Cooks	9.50	2.7	30.7	9.91	2.5	33.4	8.29	3.0	24.8
Food counter, fountain, and related	7.88	10.4	24.8	7.15	8.7	23.4	–	–	–
Kitchen workers, food preparation	7.77	5.4	30.7	8.27	4.4	30.5	–	–	–
Waiters/Waitresses' assistants	5.30	4.3	20.2	5.33	5.3	23.2	–	–	–
Food preparation, n.e.c.	7.29	2.8	25.5	7.42	2.9	27.0	6.09	.0	16.5
Health service	9.62	1.0	29.9	9.71	1.0	31.5	8.98	2.5	21.8
Health aides, except nursing	9.96	3.0	22.9	10.00	4.2	29.7	–	–	–
Nursing aides, orderlies and attendants	9.52	1.1	31.8	9.63	1.0	31.8	8.37	3.8	32.5
Cleaning and building service	9.76	2.9	33.6	9.95	3.1	33.3	8.39	5.9	35.6
Supervisors, cleaning and building service workers	15.74	7.8	38.9	15.79	9.0	38.7	–	–	–
Maids and housemen	7.51	3.6	33.4	7.70	4.6	33.9	–	–	–
Janitors and cleaners	9.85	3.2	33.4	10.00	3.2	33.0	8.46	9.3	37.1
Personal service	9.58	7.3	25.4	9.60	7.7	26.3	–	–	–
Supervisors, personal service	13.55	7.3	38.2	–	–	–	–	–	–
Attendants, amusement, and recreation facilities	6.83	12.3	18.5	6.39	10.9	17.5	–	–	–
Welfare service aides	10.02	6.2	22.4	10.48	4.9	25.9	–	–	–
Child care workers, n.e.c.	7.66	6.6	27.1	7.47	6.0	26.8	–	–	–
Service, n.e.c.	9.11	4.5	27.2	9.11	4.5	27.2	–	–	–

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 December 1996 and April 1998. The average reference period was August 1997.

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 8-4. Middle Atlantic census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1997

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	\$17.42	1.5	35.7	\$17.75	1.3	35.7	\$12.22	7.4	36.1
All excluding sales	17.66	1.6	36.0	18.00	1.3	36.0	12.28	8.1	36.4
White collar	21.25	1.3	35.8	21.48	1.3	35.8	16.00	1.5	35.3
White collar excluding sales	22.16	1.3	36.3	22.38	1.3	36.3	16.82	.2	35.8
Professional specialty and technical	26.04	1.4	35.1	26.34	1.5	35.1	20.18	1.1	34.3
Professional specialty	28.26	1.4	34.9	28.60	1.4	35.0	21.64	.9	33.8
Engineers, architects, and surveyors	27.23	2.0	39.5	27.49	2.0	39.4	-	-	-
Architects	21.25	14.5	41.0	21.25	14.5	41.0	-	-	-
Aerospace engineers	29.38	8.9	40.0	29.38	8.9	40.0	-	-	-
Metallurgical and materials engineers	24.81	3.9	40.1	24.81	3.9	40.1	-	-	-
Chemical engineers	29.68	9.1	39.5	29.68	9.1	39.5	-	-	-
Civil engineers	25.25	4.1	39.2	25.25	4.1	39.2	-	-	-
Electrical and electronic engineers	28.76	4.3	39.2	28.83	4.3	39.1	-	-	-
Industrial engineers	25.12	8.9	40.5	27.00	6.6	39.8	-	-	-
Mechanical engineers	25.05	3.8	38.4	25.32	3.9	38.3	-	-	-
Engineers, n.e.c.	28.86	2.6	39.7	28.86	2.6	39.7	-	-	-
Mathematical and computer scientists	31.94	4.5	39.2	32.02	4.5	39.2	-	-	-
Computer systems analysts and scientists	30.46	3.6	39.3	30.56	3.6	39.3	-	-	-
Operations and systems researchers and analysts	37.29	9.3	39.2	37.29	9.3	39.2	-	-	-
Statisticians	27.09	2.8	35.7	27.09	2.8	35.7	-	-	-
Natural scientists	29.22	3.8	39.1	29.22	3.8	39.1	-	-	-
Chemists, except biochemists	32.54	6.0	39.0	32.54	6.0	39.0	-	-	-
Physical scientists, n.e.c.	26.44	6.5	39.8	26.44	6.5	39.8	-	-	-
Biological and life scientists	29.47	7.6	38.1	29.47	7.6	38.1	-	-	-
Medical scientists	26.48	11.3	38.9	26.48	11.3	38.9	-	-	-
Health related	23.87	1.8	33.8	24.13	1.9	34.0	20.35	2.1	30.6
Physicians	32.29	6.0	39.7	31.44	6.4	39.8	-	-	-
Registered nurses	22.74	1.6	32.9	23.17	1.6	33.1	17.62	1.4	30.0
Pharmacists	25.77	3.3	33.5	25.59	3.5	33.2	-	-	-
Dietitians	16.76	6.4	34.5	16.76	6.4	34.5	-	-	-
Respiratory therapists	19.14	3.1	32.7	19.14	3.1	32.7	-	-	-
Occupational therapists	23.16	8.0	34.3	23.16	8.0	34.3	-	-	-
Physical therapists	26.41	5.5	34.3	26.56	5.6	35.1	-	-	-
Speech therapists	20.92	11.1	24.0	21.35	12.7	24.8	-	-	-
Therapists, n.e.c.	16.01	4.5	37.4	16.40	4.5	37.5	-	-	-
Physicians' assistants	25.34	9.7	33.4	25.34	9.7	33.4	-	-	-
Teachers, college and university	40.42	3.7	32.3	41.14	3.8	32.0	29.68	3.9	37.9
Biological science teachers	34.20	4.2	32.5	35.06	4.8	31.4	-	-	-
Chemistry teachers	43.41	23.7	34.6	43.41	23.7	34.6	-	-	-
Natural science teachers, n.e.c.	49.06	1.6	37.7	49.06	1.6	37.7	-	-	-
Psychology teachers	41.04	13.5	31.9	41.04	13.5	31.9	-	-	-
Mathematical science teachers	48.09	7.6	32.7	48.09	7.6	32.7	-	-	-
Medical science teachers	54.12	7.1	28.6	54.12	7.1	28.6	-	-	-
Health specialties teachers	30.56	4.3	35.2	30.56	4.3	35.2	-	-	-
Business, commerce, and marketing teachers	42.24	15.3	31.4	43.06	16.3	31.4	-	-	-
Art, drama, and music teachers	32.11	4.9	30.9	29.97	7.4	28.3	-	-	-
Education teachers	25.74	3.0	26.3	-	-	-	-	-	-
English teachers	35.35	8.3	34.1	38.21	7.0	33.4	-	-	-
Theology teachers	48.18	12.2	34.9	48.18	12.2	34.9	-	-	-
Trade and industrial teachers	19.22	7.8	27.5	19.22	7.8	27.5	-	-	-
Teachers, post secondary, subject not specified	29.96	7.1	35.5	30.51	9.1	34.1	-	-	-
Teachers, post secondary, n.e.c.	40.56	6.9	31.6	40.56	6.9	31.6	-	-	-
Teachers, except college and university	32.71	2.2	32.8	33.24	2.1	32.8	25.37	5.7	33.8
Prekindergarten and kindergarten	26.52	12.0	33.0	26.52	12.0	33.0	-	-	-
Elementary school teachers	34.96	2.4	34.9	35.45	2.2	34.9	-	-	-
Secondary school teachers	35.69	2.9	35.7	36.42	2.6	35.7	-	-	-
Teachers, special education	33.42	3.6	33.6	33.51	3.6	33.6	-	-	-
Teachers, n.e.c.	32.21	4.3	29.2	32.53	4.4	28.7	-	-	-
Substitute teachers	11.06	7.2	17.6	11.30	7.5	18.7	-	-	-
Vocational and educational counselors	24.39	13.7	35.6	25.06	16.7	35.1	22.02	10.1	37.7
Librarians, archivists, and curators	24.49	8.3	35.4	24.49	8.3	35.4	-	-	-
Librarians	24.85	8.6	34.9	24.85	8.6	34.9	-	-	-
Archivists and curators	23.02	23.0	37.5	23.02	23.0	37.5	-	-	-

See footnotes at end of table.

Table 8-4. Middle Atlantic census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1997—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	\$26.67	7.3	35.3	\$26.67	7.3	35.3	—	—	—
Economists	26.85	8.9	38.0	26.85	8.9	38.0	—	—	—
Psychologists	27.12	10.7	33.5	27.12	10.7	33.5	—	—	—
Social, recreation, and religious workers	17.52	3.0	35.3	17.68	3.3	35.1	\$16.21	4.1	37.2
Social workers	17.79	3.0	35.5	17.97	3.3	35.3	16.40	4.2	37.2
Recreation workers	13.20	10.1	33.1	13.38	10.0	33.0	—	—	—
Lawyers and judges	35.74	6.8	39.0	36.18	6.8	39.2	—	—	—
Lawyers	35.69	6.8	39.7	36.13	6.8	40.0	—	—	—
Writers, authors, entertainers, athletes, and professionals, n.e.c.	23.98	5.5	34.5	24.13	5.5	34.4	—	—	—
Technical writers	20.83	7.1	39.2	20.83	7.1	39.2	—	—	—
Designers	22.50	6.2	38.8	22.50	6.2	38.8	—	—	—
Musicians and composers	47.96	7.6	13.1	47.96	7.6	13.1	—	—	—
Actors and directors	30.27	14.1	33.2	30.27	14.1	33.2	—	—	—
Painters, sculptors, craft artists, and artist printmakers	21.06	16.1	28.5	21.06	16.1	28.5	—	—	—
Editors and reporters	25.32	11.0	37.3	25.39	11.1	37.3	—	—	—
Public relations specialists	22.66	7.2	39.0	23.44	6.5	38.9	—	—	—
Athletes	16.26	9.0	17.6	15.84	10.6	15.8	—	—	—
Professional, n.e.c.	24.58	11.1	39.0	24.58	11.1	39.0	—	—	—
Technical	17.79	2.0	35.6	17.96	2.1	35.6	14.30	6.0	36.5
Clinical laboratory technologists and technicians	16.47	4.0	35.4	16.60	4.0	35.3	—	—	—
Health record technologists and technicians	13.11	6.9	30.4	13.11	6.9	30.4	—	—	—
Radiological technicians	17.55	2.7	32.2	17.55	2.7	32.2	—	—	—
Licensed practical nurses	14.10	1.5	33.0	14.31	1.5	33.0	12.01	3.9	33.3
Health technologists and technicians, n.e.c.	14.69	3.5	33.8	14.78	3.6	33.7	—	—	—
Electrical and electronic technicians	18.92	5.0	39.5	19.25	4.8	39.5	—	—	—
Mechanical engineering technicians	20.75	3.8	39.6	20.75	3.8	39.6	—	—	—
Engineering technicians, n.e.c.	19.11	2.7	39.0	19.11	2.7	39.0	—	—	—
Drafters	15.54	4.4	39.4	15.54	4.4	39.4	—	—	—
Biological technicians	17.29	9.3	38.3	17.29	9.3	38.3	—	—	—
Chemical technicians	17.17	4.5	39.2	17.17	4.5	39.2	—	—	—
Science technicians, n.e.c.	16.68	5.7	38.8	16.68	5.7	38.8	—	—	—
Airplane pilots and navigators	56.17	25.5	26.8	77.10	9.5	22.2	—	—	—
Broadcast equipment operators	25.17	14.4	34.1	25.77	14.0	33.9	—	—	—
Computer programmers	20.03	5.3	38.1	20.97	3.7	38.2	—	—	—
Legal assistants	16.96	5.1	37.6	16.96	5.1	37.6	—	—	—
Technical and related, n.e.c.	20.54	3.2	37.1	20.68	3.1	37.1	—	—	—
Executive, administrative, and managerial	30.00	1.9	39.0	30.23	1.9	39.0	20.92	1.0	38.5
Executives, administrators, and managers	34.38	2.0	39.4	34.78	2.1	39.4	21.71	1.1	38.8
Administrators and officials, public administration ...	28.39	4.4	36.6	30.04	4.3	36.6	21.13	4.9	36.8
Financial managers	39.31	6.2	40.1	39.61	6.3	40.1	—	—	—
Personnel and labor relations managers	36.17	9.4	39.5	37.77	9.9	39.5	—	—	—
Purchasing managers	33.90	9.8	40.6	33.90	9.8	40.6	—	—	—
Managers, marketing, advertising, and public relations	37.61	4.6	40.0	37.64	4.6	40.0	—	—	—
Administrators, education and related fields	34.67	6.7	36.8	35.51	6.8	36.7	24.01	12.9	38.7
Managers, medicine and health	31.63	5.1	38.5	32.35	5.4	38.4	—	—	—
Managers, food servicing and lodging establishments	19.91	7.2	43.8	20.41	7.0	44.0	—	—	—
Managers, service organizations, n.e.c.	31.27	9.7	37.7	32.07	9.5	37.5	—	—	—
Managers and administrators, n.e.c.	33.99	2.7	39.9	34.07	2.7	39.9	—	—	—
Management related	22.53	2.8	38.4	22.60	2.8	38.4	17.91	5.1	37.4
Accountants and auditors	23.33	5.2	38.3	23.45	5.2	38.3	—	—	—
Underwriters	26.95	13.4	38.0	26.95	13.4	38.0	—	—	—
Other financial officers	24.97	9.5	37.8	25.02	9.6	37.9	—	—	—
Management analysts	26.78	7.4	39.4	26.78	7.4	39.4	—	—	—
Personnel, training, and labor relations specialists ..	21.13	5.0	39.3	21.20	5.0	39.3	—	—	—

See footnotes at end of table.

Table 8-4. Middle Atlantic census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1997–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									
Buyers, wholesale and retail trade, except farm products	\$23.54	10.7	40.1	\$23.54	10.7	40.1	–	–	–
Purchasing agents and buyers, n.e.c.	20.43	6.9	39.1	20.43	6.9	39.1	–	–	–
Construction inspectors	21.09	9.0	37.1	21.09	9.0	37.1	–	–	–
Inspectors and compliance officers, except construction	19.51	8.8	37.7	19.51	8.8	37.7	–	–	–
Management related, n.e.c.	21.97	3.3	38.4	22.02	3.3	38.4	–	–	–
Sales	13.73	4.0	32.1	13.88	4.1	32.1	\$11.18	10.4	32.5
Supervisors, sales	19.83	7.5	40.1	20.12	7.9	40.0	–	–	–
Insurance sales	24.47	16.9	38.6	24.47	16.9	38.6	–	–	–
Securities and financial services sales	30.02	22.0	35.5	30.04	22.0	35.8	–	–	–
Advertising and related sales	21.26	20.1	37.0	21.26	20.1	37.0	–	–	–
Sales, other business services	17.64	11.0	33.7	17.64	11.0	33.7	–	–	–
Sales engineers	23.07	9.1	42.1	23.07	9.1	42.1	–	–	–
Sales representatives, mining, manufacturing, and wholesale	21.33	6.5	40.5	21.02	7.6	39.9	–	–	–
Sales workers, motor vehicles and boats	20.00	14.4	43.6	20.00	14.4	43.6	–	–	–
Sales workers, apparel	7.27	7.1	31.0	7.32	7.3	30.6	–	–	–
Sales workers, furniture and home furnishings	11.70	16.1	39.4	12.09	15.2	39.4	–	–	–
Sales workers, radio, tv, hi-fi, and appliances	8.89	9.6	35.0	9.13	9.5	34.6	–	–	–
Sales workers, hardware and building supplies	14.04	12.1	36.6	14.04	12.1	36.6	–	–	–
Sales workers, parts	17.98	16.3	38.0	17.98	16.3	38.0	–	–	–
Sales workers, other commodities	11.23	15.8	28.4	11.54	16.2	28.5	5.94	3.7	27.1
Sales counter clerks	8.34	9.4	30.7	7.97	9.6	30.0	–	–	–
Cashiers	8.02	3.5	27.3	8.12	3.7	27.5	6.60	6.6	25.1
Street and door-to-door sales workers	35.83	41.6	27.3	35.83	41.6	27.3	–	–	–
Demonstrators, promoters, and models, sales	8.41	9.2	26.9	8.07	9.2	26.5	–	–	–
Sales support, n.e.c.	11.78	9.2	35.7	12.12	9.1	35.6	–	–	–
Administrative support, including clerical	12.97	1.3	36.0	13.07	1.3	36.0	10.39	1.9	37.0
Supervisors, general office	18.22	3.7	38.6	18.28	3.8	38.7	–	–	–
Supervisors, computer equipment operators	19.68	7.9	38.2	19.68	7.9	38.2	–	–	–
Supervisors, financial records processing	18.26	4.3	38.4	18.44	4.8	38.6	–	–	–
Supervisors, distribution, scheduling, and adjusting clerks	17.96	12.5	39.8	17.96	12.5	39.8	–	–	–
Computer operators	14.37	4.7	37.3	14.42	4.7	37.3	–	–	–
Secretaries	14.50	1.7	37.2	14.58	1.8	37.1	11.26	1.6	37.8
Stenographers	15.76	7.6	35.1	16.42	7.6	34.8	–	–	–
Typists	12.03	4.9	35.4	12.02	5.1	35.4	–	–	–
Interviewers	9.85	7.0	29.2	9.88	7.3	29.6	–	–	–
Hotel clerks	9.09	6.4	37.6	9.14	6.5	37.6	–	–	–
Transportation ticket and reservation agents	15.35	6.4	35.5	15.35	6.4	35.5	–	–	–
Receptionists	10.20	2.4	34.9	10.25	2.4	34.8	–	–	–
Information clerks, n.e.c.	12.65	10.1	34.0	12.78	10.2	33.9	–	–	–
Correspondence clerks	12.15	6.2	39.2	12.15	6.2	39.2	–	–	–
Order clerks	14.36	5.7	37.4	14.56	5.6	37.3	–	–	–
Personnel clerks, except payroll and timekeeping ...	14.01	5.1	38.4	14.01	5.1	38.4	–	–	–
Library clerks	11.43	2.6	29.2	11.47	2.6	29.1	–	–	–
File clerks	9.62	5.4	35.3	9.62	5.4	35.3	–	–	–
Records clerks, n.e.c.	12.08	3.2	36.2	12.10	3.2	36.1	–	–	–
Bookkeepers, accounting and auditing clerks	12.71	2.4	37.4	12.85	2.5	37.3	10.01	2.6	39.2
Payroll and timekeeping clerks	12.95	4.7	38.0	13.21	4.6	37.9	–	–	–
Billing clerks	10.90	3.6	38.2	11.22	3.4	38.0	–	–	–
Billing, posting, and calculating machine operators	10.04	16.3	33.3	10.04	16.3	33.3	–	–	–
Duplicating machine operators	10.27	9.2	33.7	10.27	9.2	33.7	–	–	–
Telephone operators	12.50	6.4	33.9	12.51	6.5	33.9	–	–	–
Mail clerks, except postal service	10.27	8.1	37.0	10.29	8.1	37.0	–	–	–
Messengers	12.80	10.2	37.2	12.99	9.5	37.3	–	–	–
Dispatchers	15.75	9.4	38.4	16.10	9.2	38.3	–	–	–

See footnotes at end of table.

Table 8-4. Middle Atlantic census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1997—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	\$14.17	6.2	38.9	\$14.43	6.3	38.8	—	—	—
Traffic, shipping and receiving clerks	12.24	6.2	37.8	12.26	6.2	37.8	—	—	—
Stock and inventory clerks	11.23	5.8	34.0	11.28	6.1	33.4	\$10.90	16.7	40.0
Meter readers	16.63	4.2	40.0	16.62	4.3	40.0	—	—	—
Weighers, measurers, checkers, and samplers	13.68	16.3	38.8	13.68	16.3	38.8	—	—	—
Expeditors	12.57	10.9	36.8	12.57	10.9	36.8	—	—	—
Material recording, scheduling, and distribution clerks, n.e.c.	10.77	7.4	32.5	10.77	7.6	32.4	—	—	—
Insurance adjusters, examiners, and investigators ..	15.26	10.1	39.2	15.26	10.1	39.2	—	—	—
Investigators and adjusters, except insurance	12.68	3.0	35.0	12.70	3.0	35.0	—	—	—
Eligibility clerks, social welfare	13.65	3.7	35.9	13.98	3.6	36.0	—	—	—
Bill and account collectors	11.21	4.8	36.9	11.38	4.5	36.8	—	—	—
General office clerks	12.35	3.7	35.3	12.42	3.8	35.4	10.70	5.0	34.5
Bank tellers	9.18	3.0	34.9	9.18	3.0	34.9	—	—	—
Data entry keyers	10.21	2.5	38.1	10.45	2.7	37.8	8.65	2.9	39.9
Statistical clerks	13.49	9.0	36.4	13.49	9.0	36.4	—	—	—
Teachers' aides	10.66	6.1	28.9	10.77	6.4	29.0	—	—	—
Administrative support, n.e.c.	12.79	3.7	34.6	12.84	3.7	34.7	—	—	—
Blue collar	13.29	2.6	37.9	13.68	1.2	37.8	9.39	7.7	38.6
Precision production, craft, and repair									
Supervisors, mechanics and repairers	21.36	4.6	38.7	21.36	4.6	38.7	—	—	—
Automobile mechanics	18.66	6.9	39.9	18.66	6.9	39.9	—	—	—
Bus, truck, and stationary engine mechanics	16.55	2.4	39.8	16.55	2.4	39.8	—	—	—
Automobile body and related repairers	13.13	3.4	40.2	13.13	3.4	40.2	—	—	—
Aircraft mechanics, except engine	16.50	5.1	40.0	—	—	—	—	—	—
Heavy equipment mechanics	17.34	8.3	40.0	17.34	8.3	40.0	—	—	—
Industrial machinery repairers	16.20	2.9	40.0	16.29	3.0	40.0	—	—	—
Machinery maintenance	17.22	5.0	40.0	17.29	5.0	40.0	—	—	—
Electronic repairers, communications and industrial equipment	19.45	6.0	38.9	19.45	6.0	38.9	—	—	—
Telephone line installers and repairers	21.07	2.5	40.4	21.30	2.3	40.0	—	—	—
Telephone installers and repairers	18.06	8.1	40.0	17.74	8.2	40.0	—	—	—
Heating, air conditioning, and refrigeration mechanics	19.17	3.8	39.8	19.17	3.8	39.8	—	—	—
Office machine repairers	16.11	5.7	38.7	16.11	5.7	38.7	—	—	—
Mechanical controls and valve repairers	22.01	4.6	40.0	22.01	4.6	40.0	—	—	—
Millwrights	18.67	10.1	40.0	18.67	10.1	40.0	—	—	—
Mechanics and repairers, n.e.c.	17.07	3.3	39.1	17.44	2.8	39.0	—	—	—
Supervisors, electricians and power transmission installers	29.33	8.6	39.2	29.32	9.0	39.2	—	—	—
Supervisors, construction trades, n.e.c.	20.94	7.7	39.7	21.18	8.1	39.7	—	—	—
Carpenters	18.71	5.8	38.8	18.84	6.0	38.8	—	—	—
Electricians	21.25	5.4	39.6	21.25	5.4	39.6	—	—	—
Electrician apprentices	16.15	10.4	39.9	16.15	10.4	39.9	—	—	—
Electrical power installers and repairers	24.35	3.1	40.0	24.28	3.3	40.0	—	—	—
Painters, construction and maintenance	17.19	12.1	38.4	17.19	12.1	38.4	—	—	—
Plumbers, pipefitters and steamfitters	20.83	3.5	39.5	20.99	3.5	39.5	—	—	—
Construction trades, n.e.c.	15.13	7.5	39.5	15.57	7.8	39.4	—	—	—
Supervisors, production	19.11	2.4	40.3	19.11	2.4	40.3	—	—	—
Tool and die makers	18.61	1.8	40.7	18.61	1.8	40.7	—	—	—
Precision assemblers, metal	16.98	5.4	40.0	16.98	5.4	40.0	—	—	—
Machinists	16.59	3.5	40.0	16.59	3.5	40.0	—	—	—
Sheet metal workers	16.05	9.4	40.0	16.05	9.4	40.0	—	—	—
Electrical and electronic equipment assemblers	10.49	4.0	39.6	10.48	4.2	39.6	—	—	—
Miscellaneous precision workers, n.e.c.	17.18	8.6	39.9	17.18	8.6	39.9	—	—	—
Butchers and meat cutters	13.65	6.8	39.3	13.33	9.7	39.0	—	—	—
Bakers	9.80	13.2	32.8	9.80	13.2	32.8	—	—	—
Food batchmakers	8.50	7.8	34.7	8.50	7.8	34.7	—	—	—
Inspectors, testers, and graders	18.33	5.1	40.0	18.33	5.1	40.0	—	—	—

See footnotes at end of table.

Table 8-4. Middle Atlantic census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1997–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									
Water and sewer treatment plant operators	\$16.04	4.6	40.0	\$16.04	4.6	40.0	–	–	–
Stationary engineers	18.04	3.7	38.4	18.53	3.7	38.2	–	–	–
Miscellaneous plant and system operators, n.e.c.	18.25	5.3	41.2	18.25	5.3	41.2	–	–	–
Machine operators, assemblers, and inspectors	11.08	4.9	39.7	11.71	2.2	39.6	\$7.82	4.0	40.2
Lathe and turning machine operators	13.31	5.3	39.4	13.31	5.3	39.4	–	–	–
Punching and stamping press operators	11.82	8.9	41.0	11.82	8.9	41.0	–	–	–
Rolling machine operators	17.96	11.1	40.0	17.96	11.1	40.0	–	–	–
Drilling and boring machine operators	14.39	7.8	40.0	14.39	7.8	40.0	–	–	–
Grinding, abrading, buffing, and polishing machine operators	13.19	5.2	40.4	14.12	4.3	40.6	–	–	–
Numerical control machine operators	12.56	6.6	42.2	12.56	6.6	42.2	–	–	–
Fabricating machine operators, n.e.c.	13.10	5.4	40.0	13.10	5.4	40.0	–	–	–
Molding and casting machine operators	10.17	10.9	39.2	10.23	11.0	39.2	–	–	–
Metal plating machine operators	12.42	4.0	40.0	12.42	4.0	40.0	–	–	–
Heat treating equipment operators	15.72	10.5	39.4	15.72	10.5	39.4	–	–	–
Printing press operators	15.71	6.4	39.3	15.90	6.5	39.2	–	–	–
Photoengravers and lithographers	14.37	11.1	37.6	14.37	11.1	37.6	–	–	–
Typesetters and compositors	17.03	8.3	34.0	17.03	8.3	34.0	–	–	–
Winding and twisting machine operators	9.75	6.3	38.4	9.75	6.3	38.4	–	–	–
Knitting, looping, taping, and weaving machine operators	9.92	6.5	40.0	9.92	6.5	40.0	–	–	–
Textile sewing machine operators	–	–	–	7.12	3.9	38.9	–	–	–
Laundering and dry cleaning machine operators	9.15	3.8	36.7	9.09	3.9	36.9	–	–	–
Packaging and filling machine operators	10.08	13.0	40.0	10.08	13.0	40.0	–	–	–
Extruding and forming machine operators	10.34	8.5	40.1	10.34	8.5	40.1	–	–	–
Mixing and blending machine operators	13.30	5.0	40.0	13.30	5.0	40.0	–	–	–
Separating, filtering, and clarifying machine operators	14.35	2.6	40.0	14.35	2.6	40.0	–	–	–
Compressing and compacting machine operators ..	–	–	–	11.08	12.9	40.0	–	–	–
Painting and paint spraying machine operators	12.84	3.7	40.0	12.84	3.7	40.0	–	–	–
Folding machine operators	10.40	6.8	39.1	10.40	6.8	39.1	–	–	–
Furnace, kiln, and oven operators, except food	13.21	5.7	39.4	13.21	5.7	39.4	–	–	–
Crushing and grinding machine operators	14.28	3.6	40.0	–	–	–	–	–	–
Slicing and cutting machine operators	11.81	3.3	40.5	11.81	3.3	40.5	–	–	–
Photographic process machine operators	10.56	8.1	40.0	10.56	8.1	40.0	–	–	–
Miscellaneous machine operators, n.e.c.	12.71	3.7	39.1	12.71	3.7	39.1	–	–	–
Welders and cutters	15.66	2.2	40.6	15.68	2.2	40.6	–	–	–
Solders and braziers	9.31	6.6	40.0	9.31	6.6	40.0	–	–	–
Assemblers	10.15	3.4	39.5	10.29	3.6	39.5	7.14	4.4	40.0
Miscellaneous hand working, n.e.c.	10.91	9.9	40.0	10.91	9.9	40.0	–	–	–
Production inspectors, checkers and examiners	11.64	3.9	40.1	11.85	3.5	39.9	–	–	–
Production testers	13.43	9.6	40.0	13.43	9.6	40.0	–	–	–
Graders and sorters, except agricultural	12.32	20.5	39.1	–	–	–	–	–	–
Transportation and material moving	14.58	1.8	35.8	14.58	1.9	36.0	14.78	5.0	27.5
Supervisors, motor vehicle operators	18.47	12.0	40.0	18.47	12.0	40.0	–	–	–
Truck drivers	14.99	1.8	36.6	14.99	1.8	36.5	–	–	–
Driver-sales workers	17.98	5.5	39.8	17.98	5.5	39.8	–	–	–
Bus drivers	14.29	4.1	31.3	14.23	4.3	32.9	–	–	–
Taxicab drivers and chauffeurs	9.67	11.4	33.0	9.67	11.4	33.0	–	–	–
Motor transportation, n.e.c.	12.95	8.9	37.6	12.98	9.2	37.5	–	–	–
Locomotive operating	18.94	6.0	40.0	18.94	6.0	40.0	–	–	–
Supervisors, material moving equipment	17.67	4.9	39.3	17.84	5.7	39.7	–	–	–
Crane and tower operators	17.56	9.8	40.0	17.56	9.8	40.0	–	–	–
Excavating and loading machine operators	15.01	5.9	40.0	15.10	5.9	40.0	–	–	–
Grader, dozer, and scraper operators	18.94	9.3	39.6	18.92	9.6	39.6	–	–	–
Industrial truck and tractor equipment operators	11.85	3.6	40.3	11.80	3.8	40.3	–	–	–
Miscellaneous material moving equipment operators, n.e.c.	14.61	3.1	31.6	14.59	3.2	31.5	–	–	–

See footnotes at end of table.

Table 8-4. Middle Atlantic census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1997–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 ...	\$10.44	2.4	35.7	\$10.51	2.6	35.5	\$9.90	3.0	37.2
Supervisors, agriculture-related workers	16.04	9.4	40.0	16.04	9.4	40.0	–	–	–
Groundskeepers and gardeners, except farm	10.82	5.1	36.4	10.93	5.5	36.1	–	–	–
Supervisors, handlers, equipment cleaners, and laborers, n.e.c.	16.17	6.8	36.9	16.25	7.2	36.8	–	–	–
Helpers, mechanics and repairers	11.91	8.1	37.0	11.90	8.9	36.7	–	–	–
Helpers, construction trades	13.00	17.5	39.4	13.00	17.5	39.4	–	–	–
Construction laborers	11.57	4.2	39.6	12.03	4.4	39.5	–	–	–
Production helpers	9.75	6.3	38.8	9.77	6.4	38.9	–	–	–
Garbage collectors	16.03	9.1	39.9	16.03	9.1	39.9	–	–	–
Stock handlers and baggers	9.02	4.8	30.3	9.10	5.3	30.4	8.35	6.1	29.2
Machine feeders and offbearers	8.79	5.7	38.5	8.80	5.8	38.5	–	–	–
Freight, stock, and material handlers, n.e.c.	11.35	5.0	32.5	11.37	5.2	32.5	–	–	–
Vehicle washers and equipment cleaners	11.11	10.6	36.9	11.11	10.6	36.9	–	–	–
Hand packers and packagers	9.26	5.4	39.3	9.33	5.4	39.3	–	–	–
Laborers, except construction, n.e.c.	10.05	3.1	38.6	9.98	4.1	38.2	–	–	–
Service	11.02	2.2	32.7	11.05	2.3	32.6	10.63	.5	33.3
Protective service	17.30	3.6	37.2	17.23	3.9	37.0	18.23	1.9	39.3
Supervisors, firefighters and fire prevention	24.03	10.2	44.4	24.03	10.2	44.4	–	–	–
Supervisors, police and detectives	27.37	3.9	39.9	27.81	3.8	39.9	–	–	–
Supervisors, guards	17.77	8.5	39.4	17.77	8.5	39.4	–	–	–
Firefighting	19.17	2.9	43.3	19.17	2.9	43.3	–	–	–
Police and detectives, public service	21.68	3.3	39.5	21.68	3.4	39.5	–	–	–
Sheriffs, bailiffs, and other law enforcement officers	18.08	6.0	34.3	18.24	5.9	34.9	–	–	–
Correctional institution officers	18.54	2.4	39.8	18.63	3.1	39.7	–	–	–
Crossing guards	9.67	6.9	19.0	9.67	6.9	19.0	–	–	–
Guards and police, except public service	9.59	5.4	34.8	9.59	5.4	34.8	–	–	–
Protective service, n.e.c.	12.41	12.5	27.5	11.88	12.8	26.9	–	–	–
Food service	7.31	2.3	28.3	7.35	2.4	28.4	6.92	6.3	26.6
Supervisors, food preparation and service	11.65	8.4	38.1	12.13	8.5	38.8	–	–	–
Bartenders	6.51	14.9	25.0	6.51	14.9	25.0	–	–	–
Waiters and waitresses	4.44	6.4	25.0	4.50	6.4	25.6	–	–	–
Cooks	9.04	4.2	33.5	9.05	4.4	33.6	–	–	–
Food counter, fountain, and related	7.02	4.4	25.9	7.04	4.8	25.8	–	–	–
Kitchen workers, food preparation	8.66	4.2	29.7	8.91	4.7	29.8	7.52	2.9	29.1
Waiters'/Waitresses' assistants	5.81	6.3	26.5	5.72	7.7	25.2	–	–	–
Food preparation, n.e.c.	7.25	4.2	27.7	7.27	4.4	28.0	6.36	3.6	20.1
Health service	9.54	2.1	33.9	9.56	2.3	33.9	9.24	4.1	34.5
Health aides, except nursing	11.13	2.7	34.1	11.00	3.0	34.4	12.07	7.5	32.3
Nursing aides, orderlies and attendants	9.19	2.5	33.9	9.26	2.6	33.8	7.94	4.8	35.6
Cleaning and building service	10.42	3.2	34.5	10.53	3.4	34.6	8.43	1.0	34.2
Supervisors, cleaning and building service workers	14.86	6.2	39.1	14.86	6.2	39.1	–	–	–
Maids and housemen	9.74	5.4	35.7	9.91	5.6	36.4	–	–	–
Janitors and cleaners	10.22	3.9	33.8	10.30	4.1	33.6	8.71	1.9	36.3

See footnotes at end of table.

Table 8-4. Middle Atlantic census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1997–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	\$9.61	2.9	29.4	\$9.63	3.2	28.8	\$9.44	4.6	36.1
Supervisors, personal service	16.36	5.7	36.0	16.49	6.4	35.6	–	–	–
Attendants, amusement, and recreation facilities	7.21	6.1	28.6	7.31	5.9	28.2	–	–	–
Ushers	8.21	5.3	20.5	8.21	5.3	20.5	–	–	–
Public transportation attendants	14.49	14.2	28.1	14.68	15.9	27.5	–	–	–
Baggage porters and bellhops	6.08	22.0	39.1	6.08	22.0	39.1	–	–	–
Welfare service aides	8.96	4.5	32.2	9.03	6.0	30.3	–	–	–
Early childhood teachers' assistants	8.51	6.8	27.2	8.52	6.9	27.2	–	–	–
Child care workers, n.e.c.	8.46	2.6	28.5	8.40	2.9	27.8	–	–	–
Service, n.e.c.	9.27	6.7	28.5	9.27	6.7	28.5	–	–	–

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 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 1996 and June 1998. The average reference period was July 1997.

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 8-5. East North Central census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1997

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	\$15.45	0.9	36.2	\$15.90	1.0	36.2	\$12.98	1.3	36.4
All excluding sales	15.52	.8	36.5	15.97	.9	36.4	13.11	1.2	36.8
White collar	18.92	1.1	36.4	19.26	1.2	36.4	16.28	2.6	35.7
White collar excluding sales	19.49	1.0	37.0	19.84	1.0	37.0	16.95	2.2	36.7
Professional specialty and technical	22.99	1.0	35.8	23.14	1.1	35.8	22.03	3.5	35.5
Professional specialty	24.61	1.1	35.7	24.67	1.1	35.7	24.22	3.4	35.6
Engineers, architects, and surveyors	27.10	1.5	40.3	27.15	1.3	40.4	26.53	10.2	40.0
Architects	23.24	6.3	39.7	23.24	6.3	39.7	-	-	-
Metallurgical and materials engineers	29.67	4.5	40.0	29.67	4.5	40.0	-	-	-
Chemical engineers	-	-	-	29.73	5.1	40.0	-	-	-
Civil engineers	23.86	4.0	39.4	23.78	4.1	39.4	-	-	-
Electrical and electronic engineers	27.85	4.3	40.3	27.87	4.3	40.3	-	-	-
Industrial engineers	24.01	2.6	40.5	24.41	2.3	40.6	-	-	-
Mechanical engineers	26.13	4.4	40.6	26.21	4.5	40.6	-	-	-
Engineers, n.e.c.	28.05	2.0	40.2	28.06	2.0	40.2	-	-	-
Mathematical and computer scientists	27.55	3.1	39.7	26.95	2.2	39.7	-	-	-
Computer systems analysts and scientists	26.96	2.5	39.8	27.09	2.5	39.8	-	-	-
Operations and systems researchers and analysts	29.15	7.7	39.4	26.16	3.3	39.1	-	-	-
Actuaries	31.43	11.3	38.3	31.43	11.3	38.3	-	-	-
Natural scientists	23.33	8.0	38.9	24.78	7.4	38.7	-	-	-
Chemists, except biochemists	28.95	6.5	40.3	28.95	6.5	40.3	-	-	-
Physical scientists, n.e.c.	22.94	8.4	39.2	22.75	8.8	39.2	-	-	-
Agricultural and food scientists	23.81	9.2	40.0	23.81	9.2	40.0	-	-	-
Medical scientists	14.95	12.2	37.6	14.95	12.2	37.6	-	-	-
Health related	21.51	1.4	32.9	21.44	1.4	32.6	21.86	5.7	34.1
Physicians	44.10	10.9	37.5	39.20	9.4	35.8	-	-	-
Registered nurses	19.00	1.4	32.1	19.46	1.3	32.0	16.34	4.5	32.7
Pharmacists	26.92	2.7	31.4	27.50	2.8	30.1	-	-	-
Dietitians	16.74	2.9	36.7	16.54	3.7	35.8	-	-	-
Respiratory therapists	16.07	1.4	31.7	16.04	1.6	32.4	-	-	-
Occupational therapists	23.76	4.8	32.7	23.63	5.3	32.3	-	-	-
Physical therapists	24.47	5.4	34.8	25.71	5.0	33.7	-	-	-
Speech therapists	24.76	5.2	33.4	24.37	5.5	35.2	-	-	-
Therapists, n.e.c.	15.44	4.7	36.7	15.46	5.5	37.7	-	-	-
Physicians' assistants	24.44	15.8	30.5	24.44	15.8	30.5	-	-	-
Teachers, college and university	32.76	3.4	33.8	33.12	3.0	35.0	30.17	18.5	27.1
Biological science teachers	32.01	8.8	35.7	32.01	8.8	35.7	-	-	-
Chemistry teachers	32.54	7.2	29.4	34.09	5.4	33.5	-	-	-
Psychology teachers	32.50	14.9	39.8	-	-	-	-	-	-
History teachers	27.00	12.7	43.7	27.00	12.7	43.7	-	-	-
Social science teachers, n.e.c.	30.73	9.4	39.3	31.15	10.5	38.8	-	-	-
Engineering teachers	47.31	18.8	39.7	47.31	18.8	39.7	-	-	-
Mathematical science teachers	37.50	2.3	34.6	37.50	2.3	34.6	-	-	-
Computer science teachers	38.33	3.8	32.0	38.33	3.8	32.0	-	-	-
Medical science teachers	39.33	24.7	44.4	39.33	24.7	44.4	-	-	-
Health specialties teachers	32.33	8.7	39.6	32.33	8.7	39.6	-	-	-
Business, commerce, and marketing teachers	35.24	13.7	22.4	36.68	12.4	23.7	-	-	-
Art, drama, and music teachers	28.81	9.0	34.5	27.83	8.0	33.8	-	-	-
Physical education teachers	25.91	8.1	32.1	25.91	8.1	32.1	-	-	-
Education teachers	35.13	8.1	37.3	36.13	7.4	37.0	-	-	-
English teachers	32.05	9.4	37.3	32.06	9.7	37.3	-	-	-
Foreign language teachers	28.21	13.5	33.6	34.21	20.1	31.3	-	-	-
Theology teachers	28.61	13.9	39.5	31.42	11.7	39.3	-	-	-
Trade and industrial teachers	27.93	16.1	19.0	27.93	16.1	19.0	-	-	-
Teachers, post secondary, subject not specified	29.44	9.7	24.7	29.90	9.2	25.4	-	-	-
Teachers, post secondary, n.e.c.	28.41	6.0	27.4	29.45	6.0	30.1	-	-	-
Teachers, except college and university	26.71	1.6	33.6	27.15	1.6	33.0	25.15	3.5	35.6
Prekindergarten and kindergarten	18.33	9.1	33.1	17.31	10.6	32.5	-	-	-
Elementary school teachers	28.29	2.1	35.1	29.23	2.1	34.4	24.61	4.0	37.9
Secondary school teachers	28.94	2.8	36.1	30.22	2.8	35.6	24.86	3.9	37.5
Teachers, special education	26.70	4.2	36.2	27.88	4.4	36.0	24.25	4.7	36.8
Teachers, n.e.c.	27.75	4.8	29.0	27.22	6.6	27.9	29.33	5.3	32.9
Substitute teachers	10.02	7.2	18.6	9.39	4.2	20.1	-	-	-

See footnotes at end of table.

Table 8-5. East North Central census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1997—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	\$20.10	8.0	36.9	\$19.10	9.1	36.7	—	—	—
Librarians, archivists, and curators	19.51	7.0	34.6	18.98	4.8	34.5	\$20.89	19.6	35.0
Librarians	20.30	7.1	35.6	19.27	5.2	35.8	23.13	17.4	35.0
Archivists and curators	14.84	11.4	29.6	16.93	7.3	27.2	—	—	—
Social scientists and urban planners	21.45	7.5	37.7	21.55	7.9	37.6	—	—	—
Economists	20.27	5.3	39.4	20.27	5.3	39.4	—	—	—
Psychologists	25.42	8.8	37.0	25.42	8.8	37.0	—	—	—
Urban planners	19.28	2.4	39.9	19.28	2.4	39.9	—	—	—
Social, recreation, and religious workers	14.91	2.6	37.8	14.77	2.8	37.7	16.09	4.7	38.8
Social workers	15.11	2.6	37.9	14.92	2.8	37.8	16.98	6.2	38.8
Recreation workers	10.77	11.6	36.0	8.52	10.8	33.6	—	—	—
Clergy	15.69	15.0	38.3	15.69	15.0	38.3	—	—	—
Religious workers, n.e.c.	17.71	10.7	37.4	17.71	10.7	37.4	—	—	—
Lawyers and judges	37.29	13.8	38.0	38.00	14.3	38.5	—	—	—
Lawyers	37.94	14.0	38.3	38.73	14.4	38.9	—	—	—
Writers, authors, entertainers, athletes, and									
professionals, n.e.c.	20.45	4.8	38.4	20.52	4.9	38.4	—	—	—
Technical writers	19.12	5.0	38.6	19.33	5.1	38.6	—	—	—
Designers	21.42	7.6	39.7	21.42	7.6	39.7	—	—	—
Actors and directors	17.97	20.0	40.0	17.97	20.0	40.0	—	—	—
Painters, sculptors, craft artists, and artist									
printmakers	13.45	8.3	39.5	13.45	8.3	39.5	—	—	—
Photographers	16.16	7.4	39.6	16.16	7.4	39.6	—	—	—
Artists, performers, and related workers, n.e.c.	12.91	8.8	24.3	12.91	8.8	24.3	—	—	—
Editors and reporters	18.18	9.0	40.1	18.18	9.0	40.1	—	—	—
Public relations specialists	22.03	10.3	39.5	22.03	10.3	39.5	—	—	—
Athletes	25.34	16.0	33.8	26.92	12.9	33.0	—	—	—
Professional, n.e.c.	21.16	7.0	38.8	21.16	7.0	38.8	—	—	—
Technical	17.28	2.0	36.1	17.94	2.1	36.3	11.37	2.5	34.9
Clinical laboratory technologists and technicians	14.56	2.9	34.5	14.84	3.5	34.4	13.27	2.8	35.0
Health record technologists and technicians	11.77	5.1	34.4	11.70	5.2	34.3	—	—	—
Radiological technicians	16.01	3.4	30.8	16.22	3.5	30.5	—	—	—
Licensed practical nurses	12.43	2.2	34.0	13.12	1.3	33.1	10.73	3.5	36.2
Health technologists and technicians, n.e.c.	12.71	2.7	31.9	12.83	2.5	33.4	10.99	20.4	19.6
Electrical and electronic technicians	18.74	2.5	39.1	18.74	2.5	39.1	—	—	—
Industrial engineering technicians	14.32	8.8	40.0	14.32	8.8	40.0	—	—	—
Mechanical engineering technicians	19.58	5.0	40.7	19.46	5.5	40.8	—	—	—
Engineering technicians, n.e.c.	20.26	3.4	39.4	20.35	3.4	39.4	—	—	—
Drafters	17.46	4.4	39.9	17.46	4.4	39.9	—	—	—
Surveying and mapping technicians	15.60	9.8	38.7	14.47	10.3	38.7	—	—	—
Biological technicians	17.44	19.5	40.0	—	—	—	—	—	—
Chemical technicians	16.03	4.0	39.1	16.06	4.1	39.6	—	—	—
Science technicians, n.e.c.	17.22	5.6	33.5	—	—	—	—	—	—
Airplane pilots and navigators	71.12	29.1	25.3	71.12	29.1	25.3	—	—	—
Broadcast equipment operators	11.23	13.0	37.7	11.23	13.0	37.7	—	—	—
Computer programmers	21.07	2.2	39.2	21.19	2.2	39.2	—	—	—
Legal assistants	19.55	6.1	38.3	19.55	6.1	38.3	—	—	—
Technical and related, n.e.c.	17.64	6.5	39.4	18.96	2.4	39.3	—	—	—
Executive, administrative, and managerial	26.88	1.1	39.9	27.53	1.2	40.0	19.77	5.7	39.0
Executives, administrators, and managers	30.75	1.5	40.2	31.27	1.6	40.4	24.68	3.5	38.2
Legislators	23.18	33.2	5.5	33.00	27.8	6.7	—	—	—
Administrators and officials, public administration ...	25.67	3.9	38.7	25.98	4.4	38.6	24.56	9.3	39.1
Financial managers	29.98	3.5	40.1	30.16	3.6	40.1	28.24	14.4	39.6
Personnel and labor relations managers	32.62	4.1	41.8	32.98	4.2	42.2	—	—	—
Purchasing managers	30.78	5.7	40.0	30.78	5.7	40.0	—	—	—
Managers, marketing, advertising, and public									
relations	35.94	4.4	41.2	35.94	4.4	41.2	—	—	—
Administrators, education and related fields	31.08	3.8	39.7	32.05	4.1	39.6	26.46	3.7	40.5

See footnotes at end of table.

Table 8-5. East North Central census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1997—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, medicine and health	\$27.76	3.0	39.7	\$29.08	3.4	39.6	\$23.72	4.5	40.0
Managers, food servicing and lodging establishments	15.69	5.7	45.0	16.22	6.2	44.2	—	—	—
Managers, service organizations, n.e.c.	19.07	7.6	39.5	19.05	7.6	40.4	—	—	—
Managers and administrators, n.e.c.	33.35	2.3	40.8	33.55	2.4	40.8	25.81	14.5	43.1
Management related	21.53	1.1	39.5	22.29	1.2	39.4	—	—	—
Accountants and auditors	18.09	8.0	39.8	19.90	2.5	39.8	—	—	—
Underwriters	26.54	20.6	38.6	26.82	20.6	38.5	—	—	—
Other financial officers	22.03	4.0	39.6	22.30	4.1	39.6	17.86	11.3	39.8
Management analysts	22.43	4.8	39.0	22.49	4.9	39.0	—	—	—
Personnel, training, and labor relations specialists ..	21.00	3.3	39.2	21.00	3.3	39.2	—	—	—
Buyers, wholesale and retail trade, except farm products	19.84	8.9	40.8	19.84	8.9	40.8	—	—	—
Purchasing agents and buyers, n.e.c.	23.18	3.8	39.8	23.44	3.7	39.8	—	—	—
Construction inspectors	19.05	6.2	39.4	18.79	6.4	39.4	—	—	—
Inspectors and compliance officers, except construction	17.17	3.0	39.5	17.01	3.4	39.4	18.25	2.7	40.1
Management related, n.e.c.	24.57	2.0	39.2	25.03	1.9	39.2	16.98	4.5	40.0
Sales									
Supervisors, sales	17.68	4.8	39.6	18.60	4.9	40.2	10.21	5.5	35.1
Insurance sales	21.15	18.8	32.7	21.15	18.8	32.7	—	—	—
Real estate sales	26.44	17.6	38.2	26.44	17.6	38.2	—	—	—
Securities and financial services sales	37.95	11.7	40.4	37.95	11.7	40.4	—	—	—
Advertising and related sales	16.79	15.3	37.8	19.63	9.1	37.1	—	—	—
Sales, other business services	27.05	30.6	39.3	27.79	31.2	39.2	—	—	—
Sales engineers	30.76	15.8	41.3	30.85	16.7	40.9	—	—	—
Sales representatives, mining, manufacturing, and wholesale	26.06	7.3	41.0	27.33	6.6	41.0	—	—	—
Sales workers, motor vehicles and boats	16.63	8.1	43.2	16.63	8.1	43.2	—	—	—
Sales workers, apparel	6.58	5.2	27.2	6.58	5.2	27.2	—	—	—
Sales workers, furniture and home furnishings	11.43	9.7	33.7	11.43	9.7	33.7	—	—	—
Sales workers, radio, tv, hi-fi, and appliances	12.11	17.7	36.3	12.11	17.7	36.3	—	—	—
Sales workers, hardware and building supplies	8.91	10.0	35.4	9.26	11.6	34.4	—	—	—
Sales workers, parts	14.08	6.4	40.0	14.08	6.4	40.0	—	—	—
Sales workers, other commodities	9.14	5.6	29.1	9.14	5.6	29.1	—	—	—
Sales counter clerks	8.01	7.2	27.3	7.94	8.2	26.3	—	—	—
Cashiers	7.04	1.9	25.3	7.23	2.2	26.2	6.01	2.4	21.3
Demonstrators, promoters, and models, sales	9.26	9.1	19.5	9.26	9.1	19.5	—	—	—
Sales support, n.e.c.	11.54	5.5	38.9	11.54	5.5	38.9	—	—	—
Administrative support, including clerical									
Supervisors, general office	15.41	3.3	39.7	15.45	3.4	39.7	—	—	—
Supervisors, computer equipment operators	20.35	10.9	39.8	20.35	10.9	39.8	—	—	—
Supervisors, financial records processing	17.82	6.9	39.6	18.33	6.8	39.7	—	—	—
Chief communications operators	13.66	9.2	40.0	13.66	9.2	40.0	—	—	—
Supervisors, distribution, scheduling, and adjusting clerks	16.51	5.0	40.4	17.13	4.5	40.4	—	—	—
Computer operators	13.78	4.9	39.6	13.86	5.1	39.7	—	—	—
Secretaries	12.48	1.5	37.7	12.76	1.8	37.7	10.72	3.3	37.9
Stenographers	12.11	4.1	33.6	12.28	3.9	33.7	—	—	—
Typists	11.14	3.5	36.5	11.21	3.7	36.3	—	—	—
Interviewers	9.76	2.6	32.9	10.05	1.4	33.6	—	—	—
Hotel clerks	7.93	2.7	33.4	7.52	3.2	34.7	—	—	—
Transportation ticket and reservation agents	12.78	8.4	34.3	12.78	8.4	34.3	—	—	—
Receptionists	9.09	3.0	34.2	9.28	3.2	32.8	8.46	6.0	39.4
Information clerks, n.e.c.	12.05	9.9	36.2	12.07	10.0	36.1	—	—	—
Correspondence clerks	13.61	6.4	39.2	13.61	6.4	39.2	—	—	—
Order clerks	11.06	2.4	38.0	11.06	2.4	38.0	—	—	—

See footnotes at end of table.

Table 8-5. East North Central census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1997—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									
Personnel clerks, except payroll and timekeeping ...	\$12.59	4.1	37.4	\$12.59	4.1	37.4	—	—	—
Library clerks	9.47	4.1	28.5	9.57	3.4	26.1	\$9.22	10.3	36.5
File clerks	8.95	3.6	33.4	9.06	3.6	33.2	—	—	—
Records clerks, n.e.c.	11.18	2.9	37.2	11.41	3.2	37.0	9.95	7.3	38.6
Bookkeepers, accounting and auditing clerks	11.19	2.3	37.4	11.51	1.9	37.5	10.20	7.2	37.1
Payroll and timekeeping clerks	13.14	3.9	37.9	13.35	4.4	37.4	—	—	—
Billing clerks	11.22	4.4	37.9	11.34	4.4	38.2	—	—	—
Cost and rate clerks	11.04	7.3	35.1	11.04	7.3	35.1	—	—	—
Billing, posting, and calculating machine operators	8.30	8.9	35.5	8.33	9.4	35.4	—	—	—
Duplicating machine operators	12.87	10.4	38.8	12.87	10.4	38.8	—	—	—
Mail preparing and paper handling machine operators	8.62	3.4	33.4	8.62	3.4	33.4	—	—	—
Office machine operators, n.e.c.	9.24	6.1	39.6	9.33	6.4	39.8	—	—	—
Telephone operators	12.08	4.8	34.8	12.22	4.7	35.0	—	—	—
Mail clerks, except postal service	8.39	5.4	34.9	8.46	5.6	36.3	—	—	—
Messengers	9.41	10.1	38.3	9.41	10.1	38.3	—	—	—
Dispatchers	10.89	5.7	37.8	11.55	4.4	37.3	—	—	—
Production coordinators	15.07	3.1	39.8	15.44	3.6	39.7	—	—	—
Traffic, shipping and receiving clerks	11.43	6.4	39.4	11.98	2.9	39.2	—	—	—
Stock and inventory clerks	10.63	3.8	34.0	10.60	3.9	33.9	—	—	—
Meter readers	13.48	6.0	39.0	13.70	6.1	38.9	—	—	—
Weighers, measurers, checkers, and samplers	16.09	7.5	39.6	16.19	7.6	39.6	—	—	—
Expeditors	12.55	3.0	38.7	12.55	3.0	38.7	—	—	—
Material recording, scheduling, and distribution clerks, n.e.c.	13.37	8.2	39.0	12.33	6.0	38.9	—	—	—
Insurance adjusters, examiners, and investigators ..	14.23	7.0	38.2	14.28	7.1	38.2	—	—	—
Investigators and adjusters, except insurance	11.21	3.2	37.9	11.21	3.2	38.0	—	—	—
Eligibility clerks, social welfare	12.61	4.9	37.1	12.26	4.8	37.5	—	—	—
Bill and account collectors	10.52	3.2	38.2	10.50	3.2	38.2	—	—	—
General office clerks	10.45	1.5	36.3	10.64	1.6	36.3	8.89	3.0	36.6
Bank tellers	7.91	5.0	34.6	7.94	5.3	34.6	—	—	—
Data entry keyers	9.70	3.7	36.4	9.88	3.7	36.1	—	—	—
Statistical clerks	10.47	5.5	36.8	10.47	5.5	36.8	—	—	—
Teachers' aides	9.18	3.5	30.8	9.39	3.7	29.9	8.56	7.7	34.0
Administrative support, n.e.c.	11.47	2.5	36.1	11.78	2.3	35.9	9.29	6.7	38.0
Blue collar	13.35	1.1	38.3	13.70	1.3	38.1	11.93	1.1	38.9
Precision production, craft, and repair									
Supervisors, mechanics and repairers	22.26	4.1	40.5	22.14	4.2	40.5	—	—	—
Automobile mechanics	17.09	9.9	40.4	17.29	10.3	40.2	—	—	—
Bus, truck, and stationary engine mechanics	17.06	4.5	40.0	16.95	4.7	40.0	—	—	—
Aircraft engine mechanics	21.26	4.5	40.0	21.26	4.5	40.0	—	—	—
Automobile body and related repairers	21.41	8.5	40.8	21.41	8.5	40.8	—	—	—
Aircraft mechanics, except engine	20.74	2.2	40.0	20.74	2.2	40.0	—	—	—
Heavy equipment mechanics	15.95	7.4	40.0	17.92	4.4	40.0	12.85	5.3	40.0
Industrial machinery repairers	16.62	2.9	40.0	17.30	2.3	40.0	—	—	—
Machinery maintenance	14.18	2.1	39.8	15.17	4.2	40.1	—	—	—
Electronic repairers, communications and industrial equipment	14.40	5.7	40.0	14.28	5.8	40.0	—	—	—
Data processing equipment repairers	14.74	5.5	38.6	14.74	5.5	38.6	—	—	—
Telephone installers and repairers	14.06	6.5	39.8	13.92	6.7	39.8	—	—	—
Heating, air conditioning, and refrigeration mechanics	15.54	5.5	38.8	16.04	4.9	38.7	—	—	—
Office machine repairers	13.65	8.8	39.7	13.65	8.8	39.7	—	—	—
Mechanical controls and valve repairers	16.14	6.3	37.0	16.33	6.7	36.7	—	—	—
Millwrights	18.43	8.2	40.2	20.80	2.4	40.4	—	—	—
Mechanics and repairers, n.e.c.	16.42	2.3	39.9	16.49	2.0	39.8	—	—	—
Supervisors, carpenters and related workers	23.28	5.1	40.0	23.28	5.1	40.0	—	—	—
Supervisors, electricians and power transmission installers	26.04	4.7	40.4	26.04	4.7	40.4	—	—	—

See footnotes at end of table.

Table 8-5. East North Central census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1997–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									
Supervisors, plumbers, pipefitters, and steamfitters	\$25.39	5.3	40.1	\$23.72	7.2	40.1	–	–	–
Supervisors, construction trades, n.e.c.	20.72	4.7	39.8	21.18	5.0	39.7	–	–	–
Carpenters	18.09	6.4	39.9	19.57	3.1	39.8	–	–	–
Electricians	19.40	2.6	40.2	20.73	2.3	40.2	–	–	–
Electrician apprentices	12.48	4.2	41.0	12.48	4.2	41.0	–	–	–
Electrical power installers and repairers	22.02	3.9	40.0	22.03	4.1	40.0	–	–	–
Painters, construction and maintenance	19.16	4.6	40.0	19.97	2.1	40.0	–	–	–
Plumbers, pipefitters and steamfitters	21.06	2.5	40.3	21.20	2.3	40.3	–	–	–
Plumber, pipefitter, and steamfitter apprentices	14.89	12.7	44.5	14.89	12.7	44.5	–	–	–
Concrete and terrazzo finishers	21.53	8.5	40.0	21.53	8.5	40.0	–	–	–
Paving, surfacing, and tamping equipment operators	20.53	9.9	40.5	20.53	9.9	40.5	–	–	–
Construction trades, n.e.c.	19.16	12.8	39.2	20.00	12.7	39.3	\$14.73	15.9	39.0
Supervisors, production	18.47	5.5	40.6	19.19	2.3	40.8	15.91	23.5	40.1
Tool and die makers	19.61	3.5	40.1	19.61	3.5	40.1	–	–	–
Tool and die maker apprentices	17.05	7.7	39.7	17.05	7.7	39.7	–	–	–
Precision assemblers, metal	16.59	5.5	40.5	16.59	5.5	40.5	–	–	–
Machinists	15.80	2.4	40.0	15.80	2.4	40.0	–	–	–
Precision grinders, filers, and tool sharpeners	16.90	5.9	40.2	16.90	5.9	40.2	–	–	–
Sheet metal workers	17.56	10.2	40.0	17.56	10.2	40.0	–	–	–
Cabinet makers and bench carpenters	12.03	6.6	40.0	12.03	6.6	40.0	–	–	–
Hand molders and shapers, except jewelers	16.80	8.1	40.1	16.80	8.1	40.1	–	–	–
Patternmakers, layout workers, and cutters	23.25	7.2	40.0	23.25	7.2	40.0	–	–	–
Electrical and electronic equipment assemblers	9.82	14.0	39.6	11.80	10.0	39.4	–	–	–
Miscellaneous precision workers, n.e.c.	15.20	4.2	40.0	15.37	4.7	40.0	–	–	–
Butchers and meat cutters	9.94	15.8	39.9	9.84	16.2	39.9	–	–	–
Bakers	8.09	5.6	33.2	8.09	5.6	33.2	–	–	–
Food batchmakers	12.55	11.3	40.0	12.55	11.3	40.0	–	–	–
Inspectors, testers, and graders	17.24	3.8	40.2	17.24	3.8	40.2	–	–	–
Water and sewer treatment plant operators	14.60	2.5	40.0	14.56	2.7	40.0	–	–	–
Power plant operators	21.55	5.2	39.9	22.58	3.3	39.9	–	–	–
Stationary engineers	19.69	5.4	39.5	18.25	4.5	39.6	–	–	–
Miscellaneous plant and system operators, n.e.c.	16.58	6.5	40.0	16.23	8.2	40.0	–	–	–
Machine operators, assemblers, and inspectors	12.25	1.9	39.8	12.62	2.1	39.8	11.13	2.4	39.6
Lathe and turning machine set-up operators	14.40	3.2	40.0	14.40	3.2	40.0	–	–	–
Lathe and turning machine operators	12.48	6.8	40.1	14.14	6.2	40.1	–	–	–
Milling and planing machine operators	14.73	6.6	40.0	14.73	6.6	40.0	–	–	–
Punching and stamping press operators	13.42	3.3	39.9	13.61	3.4	39.9	–	–	–
Rolling machine operators	13.58	9.1	41.3	13.58	9.1	41.3	–	–	–
Drilling and boring machine operators	10.27	14.7	40.0	12.84	6.2	40.0	–	–	–
Grinding, abrading, buffing, and polishing machine operators	11.59	4.7	39.8	11.72	2.2	39.6	–	–	–
Forging machine operators	12.09	3.3	40.0	12.09	3.3	40.0	–	–	–
Numerical control machine operators	12.14	5.2	40.0	12.85	4.3	40.0	–	–	–
Fabricating machine operators, n.e.c.	13.82	3.9	40.2	14.56	2.5	40.2	–	–	–
Molding and casting machine operators	10.11	3.6	39.9	10.02	3.9	39.9	–	–	–
Metal plating machine operators	11.84	8.7	41.7	11.84	8.7	41.7	–	–	–
Heat treating equipment operators	–	–	–	12.77	15.2	40.2	–	–	–
Sawing machine operators	11.09	4.2	42.3	11.09	4.2	42.3	–	–	–
Printing press operators	13.64	7.0	39.7	16.77	4.3	39.3	–	–	–
Photoengravers and lithographers	15.86	7.5	37.4	15.88	8.9	36.9	–	–	–
Typesetters and compositors	11.11	13.0	38.6	–	–	–	–	–	–
Textile cutting machine operators	13.43	12.3	40.0	13.43	12.3	40.0	–	–	–
Textile sewing machine operators	9.49	18.2	33.6	10.36	17.8	39.3	–	–	–
Laundering and dry cleaning machine operators	7.05	3.6	37.4	7.05	4.4	38.9	7.04	5.4	33.3
Cementing and gluing machine operators	12.16	7.4	40.0	12.16	7.4	40.0	–	–	–
Packaging and filling machine operators	12.61	5.7	38.6	12.10	4.6	38.4	–	–	–
Extruding and forming machine operators	11.17	3.2	40.0	12.48	6.4	39.9	–	–	–
Mixing and blending machine operators	13.29	3.2	40.0	13.66	4.0	39.9	–	–	–

See footnotes at end of table.

Table 8-5. East North Central census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1997–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									
Separating, filtering, and clarifying machine operators	\$15.44	3.9	40.4	\$15.44	3.9	40.4	–	–	–
Compressing and compacting machine operators ..	11.07	7.0	40.0	11.07	7.0	40.0	–	–	–
Painting and paint spraying machine operators	11.87	4.2	40.2	11.61	4.5	40.3	–	–	–
Roasting and baking machine operators, food	13.41	10.2	38.5	13.41	10.2	38.5	–	–	–
Washing, cleaning, and pickling machine operators	12.76	13.7	40.0	12.76	13.7	40.0	–	–	–
Folding machine operators	12.42	4.4	40.0	12.42	4.4	40.0	–	–	–
Furnace, kiln, and oven operators, except food	13.43	14.1	40.0	16.55	6.9	40.1	–	–	–
Crushing and grinding machine operators	11.92	10.6	40.1	11.89	10.9	40.1	–	–	–
Slicing and cutting machine operators	13.28	4.7	39.9	12.38	4.9	39.9	–	–	–
Photographic process machine operators	12.47	10.9	39.5	12.72	10.7	39.7	–	–	–
Miscellaneous machine operators, n.e.c.	11.53	4.2	39.9	12.20	3.9	39.8	\$10.34	6.3	40.0
Welders and cutters	14.14	2.5	40.0	14.17	3.3	40.0	–	–	–
Solders and braziers	10.09	20.8	39.9	10.09	20.8	39.9	–	–	–
Assemblers	12.79	4.0	39.7	12.94	4.0	39.7	10.66	11.0	39.2
Hand cutting and trimming	6.88	7.0	40.0	6.88	7.0	40.0	–	–	–
Hand molding, casting, and forming	12.77	8.8	40.0	–	–	–	–	–	–
Hand painting, coating, and decorating	9.54	12.3	40.0	9.54	12.3	40.0	–	–	–
Miscellaneous hand working, n.e.c.	10.53	7.7	40.0	10.84	9.5	39.9	–	–	–
Production inspectors, checkers and examiners	11.05	4.6	39.9	11.37	3.0	39.9	–	–	–
Production testers	12.95	8.0	40.0	12.95	8.0	40.0	–	–	–
Graders and sorters, except agricultural	9.20	6.7	40.0	9.20	6.7	40.0	–	–	–
Transportation and material moving	14.06	1.8	36.4	14.41	2.0	36.1	12.25	1.4	37.5
Supervisors, motor vehicle operators	16.14	9.0	39.9	16.14	9.0	39.9	–	–	–
Truck drivers	15.48	2.9	40.3	15.71	3.1	39.9	13.10	4.3	44.9
Driver-sales workers	13.78	8.1	36.3	13.89	8.1	36.8	–	–	–
Bus drivers	12.39	4.0	25.3	12.50	4.5	26.1	11.74	5.7	21.4
Taxicab drivers and chauffeurs	8.05	10.2	32.5	8.05	10.2	32.5	–	–	–
Parking lot attendants	6.79	9.3	22.7	6.79	9.3	22.7	–	–	–
Motor transportation, n.e.c.	8.10	9.6	26.4	8.10	9.6	26.4	–	–	–
Railroad conductors and yardmasters	19.64	2.3	40.0	19.64	2.3	40.0	–	–	–
Locomotive operating	17.29	9.7	41.7	17.29	9.7	41.7	–	–	–
Supervisors, material moving equipment	18.86	8.4	41.2	18.86	8.4	41.2	–	–	–
Operating engineers	19.26	7.0	40.3	19.40	7.1	40.3	–	–	–
Crane and tower operators	14.42	4.4	40.4	14.70	4.5	40.4	–	–	–
Excavating and loading machine operators	16.86	5.9	40.1	16.91	5.9	40.1	–	–	–
Grader, dozer, and scrapper operators	17.82	17.0	40.7	–	–	–	–	–	–
Industrial truck and tractor equipment operators	12.46	1.8	39.7	12.87	2.5	39.5	11.61	.7	40.0
Miscellaneous material moving equipment operators, n.e.c.	14.04	5.7	35.9	14.33	7.8	34.3	–	–	–
Handlers, equipment cleaners, helpers, and laborers ...	10.40	2.0	34.7	10.23	2.4	34.4	11.21	2.3	36.4
Supervisors, agriculture-related workers	17.64	12.8	40.0	17.64	12.8	40.0	–	–	–
Groundskeepers and gardeners, except farm	10.48	5.0	35.6	10.37	4.9	36.2	–	–	–
Animal caretakers, except farm	13.12	8.7	38.3	13.12	8.7	38.3	–	–	–
Supervisors, handlers, equipment cleaners, and laborers, n.e.c.	14.34	5.4	39.4	14.27	4.2	39.2	–	–	–
Helpers, mechanics and repairers	13.92	5.5	39.4	14.15	9.9	38.8	–	–	–
Helpers, construction trades	12.96	16.7	39.5	12.59	18.5	39.5	–	–	–
Construction laborers	15.55	5.2	39.8	15.62	5.2	39.8	–	–	–
Production helpers	10.86	4.6	39.2	9.73	7.9	38.9	–	–	–
Garbage collectors	11.97	17.1	39.3	11.97	17.1	39.3	–	–	–
Stock handlers and baggers	8.95	1.7	29.1	8.99	1.8	29.1	8.72	3.7	29.3
Machine feeders and offbearers	9.44	4.0	39.3	9.45	4.0	39.3	–	–	–
Freight, stock, and material handlers, n.e.c.	12.45	7.3	34.0	12.67	7.4	34.2	8.74	8.0	31.7
Garage and service station related	11.56	20.6	35.0	11.47	21.4	35.1	–	–	–
Vehicle washers and equipment cleaners	10.05	6.1	37.4	9.92	7.0	37.0	–	–	–
Hand packers and packagers	8.42	4.0	38.9	8.46	4.2	38.9	–	–	–

See footnotes at end of table.

Table 8-5. East North Central census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1997–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									
Laborers, except construction, n.e.c.	\$9.88	4.0	35.7	\$9.39	5.2	34.8	\$11.35	3.9	38.8
Service	9.26	1.3	31.3	9.38	1.4	31.2	8.71	3.8	31.6
Protective service	14.51	2.8	36.7	14.57	3.2	36.6	14.14	3.6	37.4
Supervisors, firefighters and fire prevention	17.29	4.1	50.7	17.72	3.8	50.3	–	–	–
Supervisors, police and detectives	23.75	5.8	40.0	25.50	5.5	40.0	–	–	–
Supervisors, guards	14.33	9.5	37.6	13.14	7.3	37.6	–	–	–
Firefighting	15.49	3.6	44.6	15.54	3.7	44.4	–	–	–
Police and detectives, public service	19.31	2.5	39.3	19.73	2.4	39.5	15.56	5.1	37.6
Sheriffs, bailiffs, and other law enforcement officers	14.37	3.9	39.6	15.17	4.0	39.6	13.40	5.2	39.6
Correctional institution officers	13.63	4.1	38.5	13.40	3.0	39.9	14.08	8.8	35.8
Crossing guards	6.88	11.4	13.2	6.90	12.8	13.8	–	–	–
Guards and police, except public service	8.30	4.5	31.9	8.18	4.5	31.7	11.27	16.8	39.5
Protective service, n.e.c.	10.15	12.7	25.9	10.45	12.8	26.5	–	–	–
Food service	6.64	2.1	27.9	6.66	2.3	27.9	6.48	3.0	27.5
Supervisors, food preparation and service	10.77	2.6	38.2	10.94	2.6	38.8	9.32	6.2	33.8
Bartenders	6.35	7.0	26.0	6.37	8.8	27.3	–	–	–
Waiters and waitresses	3.31	6.0	25.6	3.32	6.3	25.6	3.13	14.1	25.2
Cooks	8.36	2.3	33.2	8.41	2.6	32.7	8.14	4.3	35.5
Food counter, fountain, and related	5.55	3.4	22.9	5.57	4.8	23.4	–	–	–
Kitchen workers, food preparation	7.00	3.0	29.1	7.05	3.5	28.2	6.67	2.0	36.0
Waiters/Waitresses' assistants	4.58	5.3	18.7	4.57	5.3	18.8	–	–	–
Food preparation, n.e.c.	6.53	2.4	27.0	6.56	2.5	27.1	5.90	3.4	25.4
Health service	8.38	1.4	33.3	8.43	1.3	33.8	8.25	4.1	32.0
Health aides, except nursing	9.37	2.6	33.9	9.52	1.8	35.1	9.06	7.0	31.6
Nursing aides, orderlies and attendants	7.98	1.5	33.0	8.03	1.5	33.3	7.86	4.4	32.2
Cleaning and building service	9.35	1.7	34.4	9.54	1.6	34.8	8.56	4.3	32.5
Supervisors, cleaning and building service workers	12.72	4.7	40.0	12.83	5.3	40.1	–	–	–
Maids and housemen	6.40	1.6	31.3	6.50	1.6	32.9	6.12	3.6	27.9
Janitors and cleaners	9.65	1.7	34.6	9.79	1.7	34.9	9.03	4.1	33.7
Personal service	8.87	3.3	26.9	9.04	4.0	26.2	7.94	5.0	32.3
Supervisors, personal service	13.46	10.7	37.8	13.46	10.7	37.8	–	–	–
Hairdressers and cosmetologists	9.82	10.7	37.0	9.73	11.2	36.9	–	–	–
Attendants, amusement, and recreation facilities	6.25	2.0	22.6	6.31	1.8	22.0	–	–	–
Guides	7.56	7.7	29.4	–	–	–	–	–	–
Ushers	6.22	5.8	17.0	6.22	5.8	17.0	–	–	–
Public transportation attendants	31.17	6.4	19.3	31.17	6.4	19.3	–	–	–
Baggage porters and bellhops	9.09	19.0	36.6	9.09	19.0	36.6	–	–	–
Welfare service aides	7.10	3.9	29.5	7.25	4.3	29.7	6.19	5.1	28.1
Early childhood teachers' assistants	7.30	5.8	27.3	7.18	6.5	26.6	7.89	2.0	32.0
Child care workers, n.e.c.	8.59	3.8	24.7	8.70	3.1	24.1	8.06	15.3	28.1
Service, n.e.c.	8.24	3.9	27.1	8.13	3.7	25.0	8.63	11.2	36.8

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 October 1996 and May 1998. The average reference period was August 1997.

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 8-6. West North Central census division:1 Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1997

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	\$14.44	1.8	36.3	\$15.40	2.2	36.3	\$11.82	3.7	36.2
All excluding sales	14.51	1.8	36.6	15.50	2.1	36.8	11.90	3.8	36.4
White collar	17.28	1.7	36.9	18.05	2.2	37.1	14.30	3.8	36.2
White collar excluding sales	17.78	1.6	37.7	18.56	2.0	38.0	14.79	3.7	36.6
Professional specialty and technical	20.66	1.1	36.7	21.19	1.4	36.8	18.71	1.5	36.7
Professional specialty	22.57	1.0	36.8	22.93	1.1	36.9	21.10	2.3	36.4
Engineers, architects, and surveyors	26.75	5.6	41.1	26.31	2.4	41.4	28.23	19.7	40.0
Architects	25.40	7.7	40.2	25.40	7.7	40.2	-	-	-
Civil engineers	28.45	6.2	40.2	28.54	6.5	40.2	-	-	-
Electrical and electronic engineers	24.90	4.0	42.1	24.86	4.3	42.3	-	-	-
Industrial engineers	28.70	15.9	40.3	23.65	2.2	40.7	-	-	-
Mechanical engineers	23.09	8.4	41.5	25.31	4.2	42.1	-	-	-
Engineers, n.e.c.	25.06	3.6	42.1	25.49	3.3	42.2	-	-	-
Mathematical and computer scientists	23.48	2.6	40.2	23.49	2.6	40.2	-	-	-
Computer systems analysts and scientists	23.92	2.6	40.3	23.93	2.6	40.3	-	-	-
Operations and systems researchers and analysts	20.14	5.2	39.8	20.14	5.2	39.8	-	-	-
Natural scientists	18.92	3.5	40.2	18.89	3.5	40.2	-	-	-
Chemists, except biochemists	21.58	11.6	41.7	21.58	11.6	41.7	-	-	-
Physical scientists, n.e.c.	25.38	6.1	40.3	25.41	6.7	40.3	-	-	-
Health related	20.37	2.7	34.0	21.17	2.7	34.0	17.85	6.5	33.9
Physicians	37.97	11.1	40.1	34.90	12.8	40.1	-	-	-
Registered nurses	17.78	1.3	33.0	18.88	.9	32.7	14.88	2.8	33.9
Pharmacists	23.54	3.6	31.7	24.14	3.5	37.6	-	-	-
Dietitians	14.76	4.8	30.7	14.76	4.8	30.7	-	-	-
Respiratory therapists	15.82	7.4	38.8	15.82	7.4	38.8	-	-	-
Occupational therapists	20.46	8.0	32.3	20.98	8.9	30.8	-	-	-
Physical therapists	21.02	8.3	35.5	23.53	9.6	31.7	-	-	-
Speech therapists	24.62	2.7	33.9	24.60	3.9	33.0	-	-	-
Therapists, n.e.c.	13.14	2.5	39.5	13.14	2.5	39.5	-	-	-
Physicians' assistants	23.69	8.6	39.7	23.24	14.0	40.0	-	-	-
Teachers, college and university	32.99	4.1	35.5	34.91	4.3	35.3	27.06	4.0	36.2
Social science teachers, n.e.c.	32.01	7.9	39.6	-	-	-	-	-	-
Mathematical science teachers	22.47	13.8	39.4	23.01	14.3	39.4	-	-	-
Medical science teachers	29.67	15.7	39.7	29.67	15.7	39.7	-	-	-
Health specialties teachers	22.75	5.7	36.4	22.15	6.6	36.4	-	-	-
Business, commerce, and marketing teachers	29.01	8.4	30.9	27.06	18.7	25.7	-	-	-
Art, drama, and music teachers	28.45	6.6	35.4	28.07	9.9	33.6	-	-	-
Education teachers	21.01	3.7	25.5	-	-	-	-	-	-
English teachers	26.61	8.0	26.1	24.35	.9	25.2	-	-	-
Trade and industrial teachers	25.61	.9	36.8	29.42	7.0	33.0	-	-	-
Teachers, post secondary, subject not specified	23.07	12.6	30.7	18.19	8.4	29.4	-	-	-
Teachers, post secondary, n.e.c.	33.70	6.3	38.6	33.74	6.8	39.0	33.28	5.9	34.0
Teachers, except college and university	23.44	2.3	34.9	23.98	3.4	34.2	22.18	2.2	36.6
Prekindergarten and kindergarten	20.04	10.9	35.2	20.06	11.3	35.4	-	-	-
Elementary school teachers	24.59	2.4	36.9	25.78	3.5	36.4	22.21	2.5	37.9
Secondary school teachers	24.72	2.8	36.0	25.98	3.7	35.1	22.73	2.8	37.7
Teachers, special education	24.55	3.2	37.0	24.74	4.0	37.0	-	-	-
Teachers, n.e.c.	22.26	5.4	32.5	22.21	6.2	32.5	22.48	10.5	32.2
Substitute teachers	8.94	4.0	8.5	8.86	4.3	9.2	-	-	-
Vocational and educational counselors	16.08	5.7	37.3	15.61	5.5	36.5	-	-	-
Librarians, archivists, and curators	20.26	5.8	37.4	20.18	6.7	37.2	-	-	-
Librarians	22.30	4.6	37.0	22.76	4.6	36.5	-	-	-
Social scientists and urban planners	15.78	5.0	39.9	15.34	5.1	39.9	-	-	-
Economists	20.68	13.7	40.6	20.68	13.7	40.6	-	-	-
Psychologists	20.28	6.8	39.4	20.15	7.4	39.2	-	-	-
Social, recreation, and religious workers	14.02	2.6	37.5	13.90	3.2	37.5	14.50	2.2	37.7
Social workers	14.00	2.7	37.6	13.84	3.3	37.6	14.58	1.9	37.6
Recreation workers	11.74	11.4	37.3	-	-	-	-	-	-
Lawyers and judges	26.49	4.7	42.6	27.27	5.1	43.3	-	-	-
Lawyers	25.93	5.2	42.7	27.27	5.1	43.3	-	-	-
Writers, authors, entertainers, athletes, and professionals, n.e.c.	17.83	4.0	38.2	18.97	3.7	37.9	11.58	5.7	40.0
Technical writers	18.17	6.2	39.5	18.17	6.2	39.5	-	-	-

See footnotes at end of table.

Table 8-6. **West North Central census division:1 Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1997–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									
Designers	\$16.98	6.3	39.7	\$16.98	6.3	39.7	–	–	–
Actors and directors	22.43	36.4	38.6	22.43	36.4	38.6	–	–	–
Painters, sculptors, craft artists, and artist printmakers	14.59	8.6	39.5	15.87	8.3	39.3	–	–	–
Editors and reporters	17.44	8.2	38.3	17.44	8.2	38.3	–	–	–
Public relations specialists	12.26	8.1	39.4	13.96	6.0	38.9	–	–	–
Athletes	18.78	28.1	27.7	24.72	33.9	21.6	–	–	–
Professional, n.e.c.	24.36	7.7	40.0	24.44	7.7	40.0	–	–	–
Technical	14.67	2.5	36.5	15.20	3.3	36.2	\$13.23	2.5	37.3
Clinical laboratory technologists and technicians	13.24	2.4	37.6	13.36	2.2	37.4	–	–	–
Health record technologists and technicians	9.60	1.5	34.3	–	–	–	–	–	–
Radiological technicians	15.66	1.9	32.9	15.85	2.0	29.5	–	–	–
Licensed practical nurses	11.13	1.7	34.2	11.62	3.1	33.4	10.41	1.7	35.3
Health technologists and technicians, n.e.c.	11.47	2.2	35.0	12.04	2.4	35.7	–	–	–
Electrical and electronic technicians	17.63	7.1	40.2	15.89	4.7	40.3	–	–	–
Mechanical engineering technicians	16.51	9.0	39.9	16.51	9.0	39.9	–	–	–
Engineering technicians, n.e.c.	15.68	3.5	39.8	16.98	4.7	39.7	12.88	7.3	40.0
Drafters	15.27	4.8	38.6	15.67	5.0	38.4	–	–	–
Chemical technicians	14.89	6.8	38.5	14.99	7.2	40.0	–	–	–
Science technicians, n.e.c.	13.00	4.6	39.3	13.00	4.6	39.3	–	–	–
Airplane pilots and navigators	47.89	11.4	20.2	47.89	11.4	20.2	–	–	–
Computer programmers	19.06	3.4	39.7	19.06	3.4	39.7	–	–	–
Legal assistants	17.27	4.5	38.3	17.27	4.5	38.3	–	–	–
Technical and related, n.e.c.	16.01	8.2	36.4	17.05	6.9	35.7	–	–	–
Executive, administrative, and managerial	24.97	1.8	41.0	25.45	2.2	41.1	22.07	6.2	39.9
Executives, administrators, and managers	28.34	2.3	41.3	29.28	2.8	41.6	23.68	7.0	40.0
Legislators	9.11	13.7	16.6	–	–	–	–	–	–
Administrators and officials, public administration ...	22.44	3.4	40.8	23.77	2.6	40.8	18.93	9.5	40.9
Financial managers	30.59	5.9	41.0	32.05	6.6	41.1	–	–	–
Personnel and labor relations managers	23.86	11.1	42.8	26.94	5.5	43.8	–	–	–
Purchasing managers	26.41	12.2	42.8	31.90	6.7	44.1	–	–	–
Managers, marketing, advertising, and public relations	31.51	3.9	41.2	32.21	4.1	41.4	–	–	–
Administrators, education and related fields	26.01	3.7	40.0	26.25	3.7	39.9	24.85	11.1	40.2
Managers, medicine and health	29.53	14.5	40.8	33.56	16.0	41.1	19.16	5.2	40.0
Managers, food servicing and lodging establishments	14.63	11.1	42.2	15.35	11.3	41.5	–	–	–
Managers, properties and real estate	18.80	9.0	39.7	18.80	9.0	39.7	–	–	–
Managers, service organizations, n.e.c.	21.27	4.6	41.6	21.36	5.5	42.2	–	–	–
Managers and administrators, n.e.c.	29.61	3.8	42.5	29.35	3.7	42.8	31.09	11.4	41.0
Management related	19.19	1.7	40.3	19.40	1.8	40.3	17.15	8.7	39.9
Accountants and auditors	18.33	4.9	39.6	18.62	5.1	39.6	–	–	–
Underwriters	17.63	8.9	39.9	18.88	7.2	39.8	–	–	–
Other financial officers	21.58	6.0	41.4	21.57	6.1	41.5	–	–	–
Management analysts	20.92	7.0	40.5	21.49	6.7	40.6	–	–	–
Personnel, training, and labor relations specialists ..	18.91	2.8	39.6	18.96	3.4	39.5	–	–	–
Buyers, wholesale and retail trade, except farm products	20.37	9.7	41.7	18.33	10.0	42.7	–	–	–
Purchasing agents and buyers, n.e.c.	20.35	8.4	41.1	21.12	7.5	41.2	–	–	–
Construction inspectors	18.48	11.1	40.0	18.48	11.1	40.0	–	–	–
Inspectors and compliance officers, except construction	17.12	5.5	40.4	16.99	5.7	40.4	–	–	–
Management related, n.e.c.	18.27	4.2	40.0	18.63	4.1	40.0	–	–	–
Sales	13.15	8.0	31.5	13.93	9.2	31.2	9.73	8.0	32.9
Supervisors, sales	16.83	5.2	39.8	16.57	5.4	39.4	–	–	–
Insurance sales	16.42	19.4	30.5	15.69	22.4	29.4	–	–	–

See footnotes at end of table.

Table 8-6. West North Central census division:1 Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1997–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	\$24.04	6.1	38.8	\$24.04	6.1	38.8	–	–	–
Sales, other business services	17.68	25.2	31.0	17.68	25.2	31.0	–	–	–
Sales engineers	21.98	8.1	40.3	21.98	8.1	40.3	–	–	–
Sales representatives, mining, manufacturing, and wholesale	22.51	7.9	41.3	23.11	7.9	41.4	–	–	–
Sales workers, motor vehicles and boats	15.15	6.4	44.3	15.58	8.4	43.7	–	–	–
Sales workers, furniture and home furnishings	11.38	32.9	26.5	–	–	–	–	–	–
Sales workers, hardware and building supplies	15.04	26.2	35.1	15.04	26.2	35.1	–	–	–
Sales workers, parts	11.71	7.1	41.2	11.59	9.6	39.9	–	–	–
Sales workers, other commodities	8.22	3.1	30.0	8.26	1.7	28.4	–	–	–
Sales counter clerks	7.22	3.2	27.1	7.25	3.6	26.8	–	–	–
Cashiers	6.77	2.0	26.2	6.88	1.7	25.3	\$6.56	5.1	28.1
Demonstrators, promoters, and models, sales	9.25	16.9	22.4	9.29	17.0	23.5	–	–	–
Sales support, n.e.c.	10.79	5.2	37.3	10.44	7.4	36.2	–	–	–
Administrative support, including clerical	10.49	2.3	37.3	11.17	2.9	37.8	8.31	4.0	35.7
Supervisors, general office	14.56	3.9	40.7	14.89	2.7	40.8	–	–	–
Supervisors, financial records processing	14.81	5.4	40.6	14.90	5.4	40.6	–	–	–
Supervisors, distribution, scheduling, and adjusting clerks	14.35	4.3	40.0	14.28	4.4	40.0	–	–	–
Computer operators	12.18	8.4	40.2	12.30	9.7	40.2	–	–	–
Peripheral equipment operators	9.15	4.0	39.7	9.21	4.5	39.7	–	–	–
Secretaries	12.04	1.8	38.7	12.49	2.3	38.8	9.90	1.9	38.6
Stenographers	11.06	5.3	37.1	11.76	3.6	38.8	–	–	–
Typists	10.20	3.9	39.6	10.26	4.5	39.5	9.99	8.7	40.0
Interviewers	8.31	5.1	32.8	9.16	3.7	31.0	7.34	1.8	35.2
Hotel clerks	6.78	1.9	37.6	6.78	1.9	37.6	–	–	–
Transportation ticket and reservation agents	–	–	–	8.33	5.4	39.4	–	–	–
Receptionists	7.96	3.6	32.9	8.55	3.1	32.4	7.03	4.5	33.8
Information clerks, n.e.c.	9.83	8.6	35.0	10.28	2.8	33.0	9.14	23.2	38.6
Classified ad clerks	7.53	6.9	34.7	7.53	6.9	34.7	–	–	–
Order clerks	11.49	9.5	38.4	12.57	7.2	38.1	–	–	–
Personnel clerks, except payroll and timekeeping ...	10.18	3.3	37.8	10.71	3.8	38.9	–	–	–
Library clerks	9.04	4.0	26.4	9.05	2.9	27.7	–	–	–
File clerks	8.00	2.6	38.1	8.01	2.6	38.1	–	–	–
Records clerks, n.e.c.	8.81	3.7	38.1	10.53	4.5	37.2	–	–	–
Bookkeepers, accounting and auditing clerks	10.27	2.4	37.4	10.40	2.7	38.1	9.69	5.5	34.6
Payroll and timekeeping clerks	11.94	8.8	39.8	10.91	8.1	39.7	–	–	–
Billing clerks	10.55	5.8	37.3	11.32	2.5	36.8	–	–	–
Cost and rate clerks	12.29	8.9	38.8	13.18	6.4	38.6	–	–	–
Mail preparing and paper handling machine operators	7.56	3.6	28.2	7.56	3.6	28.2	–	–	–
Office machine operators, n.e.c.	6.42	7.7	34.8	6.42	7.7	34.8	–	–	–
Telephone operators	11.87	9.0	34.6	11.87	9.0	34.6	–	–	–
Mail clerks, except postal service	7.08	12.2	37.3	8.55	7.7	39.0	–	–	–
Messengers	7.62	4.7	30.7	7.86	4.7	30.1	–	–	–
Dispatchers	11.86	7.2	39.3	12.95	7.2	39.0	–	–	–
Production coordinators	14.31	4.0	38.5	14.30	5.5	39.6	–	–	–
Traffic, shipping and receiving clerks	9.60	4.6	38.9	9.60	5.0	38.8	–	–	–
Stock and inventory clerks	9.37	4.4	38.0	10.27	6.4	36.9	7.87	5.4	40.0
Weighers, measurers, checkers, and samplers	13.75	18.3	24.8	14.56	17.5	40.0	–	–	–
Expeditors	14.38	8.5	36.7	14.38	8.5	36.7	–	–	–
Material recording, scheduling, and distribution clerks, n.e.c.	10.67	10.4	36.1	10.67	10.4	36.1	–	–	–
Insurance adjusters, examiners, and investigators ..	13.32	5.5	38.0	13.28	5.7	38.0	–	–	–
Investigators and adjusters, except insurance	10.18	4.0	39.0	10.38	3.9	38.9	–	–	–
Eligibility clerks, social welfare	12.10	4.6	39.2	12.10	3.6	38.7	12.10	10.6	40.0
Bill and account collectors	9.52	9.0	40.0	9.30	8.9	40.0	–	–	–
General office clerks	10.34	2.5	36.6	10.94	2.5	37.9	8.31	2.2	32.8
Bank tellers	8.02	4.4	35.9	8.26	4.8	38.5	6.69	5.8	26.1
Proofreaders	9.68	5.8	29.7	9.68	5.8	29.7	–	–	–

See footnotes at end of table.

Table 8-6. West North Central census division:1 Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1997–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									
Data entry keyers	\$9.06	2.6	38.2	\$9.09	2.6	38.3	–	–	–
Statistical clerks	9.39	6.9	37.1	9.39	6.9	37.1	–	–	–
Teachers' aides	8.24	3.5	29.0	9.19	3.4	33.0	\$6.95	4.5	24.9
Administrative support, n.e.c.	9.90	2.2	37.2	11.22	2.6	37.9	6.94	7.3	35.7
Blue collar	12.43	2.1	38.3	13.30	1.0	38.4	10.87	3.3	38.2
Precision production, craft, and repair	14.52	5.2	39.9	15.82	1.4	39.6	12.04	9.7	40.5
Supervisors, mechanics and repairers	18.89	8.3	43.1	21.09	5.0	40.9	–	–	–
Automobile mechanics	14.24	12.5	40.1	16.99	7.2	40.2	–	–	–
Automobile mechanic apprentices	12.26	16.5	39.3	12.26	16.5	39.3	–	–	–
Bus, truck, and stationary engine mechanics	13.66	3.2	40.7	14.03	2.5	40.0	–	–	–
Automobile body and related repairers	13.29	3.9	41.0	–	–	–	–	–	–
Heavy equipment mechanics	16.64	2.7	40.3	16.64	2.7	40.3	–	–	–
Industrial machinery repairers	13.52	6.0	39.7	15.58	2.8	40.1	12.35	9.5	39.4
Machinery maintenance	–	–	–	16.36	9.5	40.0	–	–	–
Electronic repairers, communications and industrial equipment	15.65	6.3	40.0	16.62	5.4	40.0	–	–	–
Data processing equipment repairers	12.53	9.3	35.3	12.53	9.3	35.3	–	–	–
Heating, air conditioning, and refrigeration mechanics	13.63	7.1	39.8	13.63	7.1	39.8	–	–	–
Millwrights	16.99	11.0	40.0	16.99	11.0	40.0	–	–	–
Mechanics and repairers, n.e.c.	14.99	1.8	39.8	15.01	3.1	39.7	14.98	2.0	40.0
Supervisors, plumbers, pipefitters, and steamfitters	25.19	3.1	40.0	25.19	3.1	40.0	–	–	–
Supervisors, construction trades, n.e.c.	17.79	3.0	41.0	18.08	2.7	41.2	–	–	–
Carpenters	18.72	5.6	39.8	19.22	5.4	39.7	–	–	–
Electricians	17.55	3.8	40.0	18.08	3.9	40.0	–	–	–
Plumbers, pipefitters and steamfitters	19.08	13.0	40.0	22.53	3.0	39.9	–	–	–
Structural metal workers	15.27	13.0	40.0	–	–	–	–	–	–
Construction trades, n.e.c.	13.43	2.3	39.6	13.69	2.7	39.5	–	–	–
Supervisors, production	16.15	6.7	41.1	17.65	3.7	40.7	13.74	12.4	41.8
Tool and die makers	19.53	3.4	36.7	19.53	3.4	36.7	–	–	–
Precision assemblers, metal	15.82	13.2	40.0	15.82	13.2	40.0	–	–	–
Machinists	17.04	5.3	41.0	17.04	5.3	41.0	–	–	–
Sheet metal workers	18.82	5.2	39.9	18.82	5.2	39.9	–	–	–
Electrical and electronic equipment assemblers	8.02	11.3	36.4	8.02	11.3	36.4	–	–	–
Miscellaneous precision workers, n.e.c.	13.09	7.4	40.0	14.46	6.3	40.0	–	–	–
Butchers and meat cutters	–	–	–	11.30	10.4	40.0	–	–	–
Bakers	7.72	4.0	34.2	7.72	4.0	34.2	–	–	–
Inspectors, testers, and graders	14.71	4.7	40.5	14.11	3.3	40.3	–	–	–
Water and sewer treatment plant operators	17.10	1.1	40.0	17.10	1.1	40.0	–	–	–
Stationary engineers	16.37	4.3	40.1	16.37	4.3	40.1	–	–	–
Machine operators, assemblers, and inspectors	11.90	2.4	39.4	12.10	4.1	39.6	11.62	1.9	39.2
Punching and stamping press operators	11.15	4.3	39.2	11.33	4.6	39.1	–	–	–
Drilling and boring machine operators	10.92	8.3	40.0	10.92	8.3	40.0	–	–	–
Grinding, abrading, buffing, and polishing machine operators	10.39	9.6	40.0	13.43	12.4	40.0	–	–	–
Numerical control machine operators	13.43	8.5	40.0	13.43	8.5	40.0	–	–	–
Fabricating machine operators, n.e.c.	10.73	3.5	40.0	13.35	3.4	40.0	9.65	2.4	40.0
Molding and casting machine operators	11.08	5.3	39.6	10.80	7.2	39.5	–	–	–
Metal plating machine operators	13.87	5.1	40.0	13.87	5.1	40.0	–	–	–
Sawing machine operators	12.03	11.0	40.0	–	–	–	–	–	–
Printing press operators	16.12	4.6	39.1	16.12	4.6	39.1	–	–	–
Photoengravers and lithographers	14.79	8.3	39.0	14.79	8.3	39.0	–	–	–
Laundering and dry cleaning machine operators	6.83	4.2	36.5	6.79	7.6	34.1	–	–	–
Cementing and gluing machine operators	11.46	7.7	40.0	11.46	7.7	40.0	–	–	–
Packaging and filling machine operators	12.26	4.4	39.6	12.79	4.7	39.5	–	–	–
Extruding and forming machine operators	8.37	8.0	38.1	9.37	10.4	38.2	–	–	–
Mixing and blending machine operators	12.34	6.7	40.0	13.55	4.7	40.0	–	–	–
Painting and paint spraying machine operators	13.88	5.0	40.0	13.84	6.3	40.0	–	–	–

See footnotes at end of table.

Table 8-6. West North Central census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1997—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									
Folding machine operators	\$10.86	5.4	40.0	\$10.86	5.4	40.0	—	—	—
Slicing and cutting machine operators	11.14	8.0	38.3	12.95	6.8	39.9	—	—	—
Photographic process machine operators	8.84	15.9	38.9	8.84	15.9	38.9	—	—	—
Miscellaneous machine operators, n.e.c.	12.83	3.5	39.5	11.32	2.7	39.5	\$13.59	5.2	39.6
Welders and cutters	12.67	6.6	40.0	13.49	2.7	40.0	—	—	—
Solders and braziers	—	—	—	9.77	6.5	40.0	—	—	—
Assemblers	11.93	4.7	39.0	12.51	5.3	39.8	—	—	—
Miscellaneous hand working, n.e.c.	10.31	4.9	40.0	9.89	4.7	40.0	—	—	—
Production inspectors, checkers and examiners	11.68	4.7	38.6	11.40	7.4	37.8	—	—	—
Production testers	13.60	7.0	40.0	14.53	10.2	40.0	—	—	—
Transportation and material moving	13.97	4.2	40.4	14.90	3.6	41.5	10.52	5.1	36.8
Supervisors, motor vehicle operators	16.05	24.8	41.3	21.31	11.9	42.2	—	—	—
Truck drivers	14.87	3.2	47.3	14.90	3.3	47.6	14.14	5.0	40.0
Driver-sales workers	10.75	15.2	35.9	10.07	20.4	32.5	—	—	—
Bus drivers	11.74	4.9	26.8	11.82	5.2	29.1	11.34	14.4	18.9
Taxicab drivers and chauffeurs	8.40	5.7	31.6	8.42	5.6	34.4	—	—	—
Motor transportation, n.e.c.	6.44	4.9	34.5	6.78	5.2	32.5	—	—	—
Supervisors, material moving equipment	18.04	4.1	40.7	18.04	4.1	40.7	—	—	—
Operating engineers	15.24	4.6	40.0	15.52	7.1	40.0	—	—	—
Excavating and loading machine operators	18.33	9.2	40.0	19.68	3.9	40.0	—	—	—
Grader, dozer, and scrapper operators	11.07	7.7	40.0	—	—	—	10.81	8.5	40.0
Industrial truck and tractor equipment operators	12.19	1.7	39.4	12.32	1.9	39.6	11.94	3.9	39.0
Miscellaneous material moving equipment operators, n.e.c.	12.71	11.8	39.8	16.27	4.0	39.7	—	—	—
Handlers, equipment cleaners, helpers, and laborers ...	9.44	2.3	34.0	10.17	1.7	33.5	8.21	2.4	34.9
Groundskeepers and gardeners, except farm	10.31	4.7	34.3	10.30	5.2	35.6	—	—	—
Supervisors, handlers, equipment cleaners, and laborers, n.e.c.	12.69	5.8	40.6	13.52	4.6	41.6	—	—	—
Helpers, mechanics and repairers	7.49	11.8	39.5	—	—	—	—	—	—
Construction laborers	9.57	15.4	39.8	13.94	7.2	39.2	—	—	—
Production helpers	10.15	3.2	39.5	10.15	3.2	39.5	—	—	—
Stock handlers and baggers	8.09	5.4	27.5	8.82	2.9	29.3	6.32	13.3	23.9
Machine feeders and offbearers	10.08	9.0	36.6	11.20	5.2	35.7	—	—	—
Freight, stock, and material handlers, n.e.c.	11.02	6.1	30.9	11.47	5.5	30.5	—	—	—
Garage and service station related	8.36	14.1	32.7	8.36	14.1	32.7	—	—	—
Vehicle washers and equipment cleaners	8.02	11.0	39.0	9.03	13.6	38.2	—	—	—
Hand packers and packagers	8.57	6.9	36.8	9.24	5.9	35.7	—	—	—
Laborers, except construction, n.e.c.	9.24	4.1	34.9	9.80	2.2	33.7	8.57	7.2	36.5
Service	8.67	1.4	31.2	8.83	2.0	30.9	8.31	3.0	32.1
Protective service	13.73	2.3	39.0	14.62	2.0	39.3	11.73	8.7	38.5
Supervisors, firefighters and fire prevention	15.52	8.3	50.0	16.46	9.0	49.2	—	—	—
Supervisors, police and detectives	21.94	2.9	40.0	22.54	3.7	40.0	—	—	—
Supervisors, guards	16.41	12.6	38.7	19.03	5.5	38.1	—	—	—
Firefighting	12.32	2.6	47.1	12.43	2.8	46.4	—	—	—
Police and detectives, public service	16.76	3.1	40.0	16.86	3.5	40.0	16.19	4.7	40.0
Sheriffs, bailiffs, and other law enforcement officers	14.89	3.4	37.7	16.05	5.6	34.9	14.06	3.7	40.0
Correctional institution officers	12.91	4.6	39.2	13.01	4.4	39.0	—	—	—
Guards and police, except public service	8.35	10.2	35.2	10.17	5.6	35.2	—	—	—
Protective service, n.e.c.	7.18	12.1	27.7	7.31	13.0	27.8	—	—	—
Food service	6.77	2.2	27.5	6.56	1.4	27.3	7.51	3.9	28.1
Supervisors, food preparation and service	9.95	2.5	37.0	9.77	3.7	35.2	—	—	—
Bartenders	6.20	5.0	29.3	6.14	6.3	27.3	—	—	—
Waiters and waitresses	3.97	9.0	25.2	3.51	5.7	23.6	—	—	—
Cooks	8.22	2.0	33.7	8.27	2.4	32.7	8.03	3.9	38.0
Food counter, fountain, and related	5.89	3.8	23.0	5.91	3.9	23.1	—	—	—
Kitchen workers, food preparation	7.10	2.9	27.5	7.24	2.8	28.0	—	—	—

See footnotes at end of table.

Table 8-6. West North Central census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1997—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' assistants	\$5.42	6.1	26.3	\$5.36	6.4	26.4	—	—	—
Food preparation, n.e.c.	6.50	2.7	23.5	6.50	3.2	26.2	\$6.50	5.0	18.7
Health service	8.01	1.6	30.9	8.49	1.7	31.2	7.37	4.2	30.5
Health aides, except nursing	8.89	4.7	30.2	9.24	4.3	31.8	—	—	—
Nursing aides, orderlies and attendants	7.87	1.8	31.1	8.28	1.3	31.2	7.39	4.4	31.0
Cleaning and building service	9.07	2.4	34.3	9.24	3.0	33.6	8.48	3.6	37.4
Supervisors, cleaning and building service workers	13.56	7.3	38.7	14.52	7.5	38.3	—	—	—
Maids and housemen	6.59	2.0	34.3	6.82	1.2	33.8	—	—	—
Janitors and cleaners	8.80	2.6	33.7	8.83	3.0	32.9	8.68	4.6	37.3
Personal service	8.03	1.9	30.3	8.06	3.2	28.8	8.00	1.4	32.4
Supervisors, personal service	12.25	14.0	34.7	—	—	—	—	—	—
Attendants, amusement, and recreation facilities	7.36	4.4	37.3	7.24	5.7	34.6	—	—	—
Ushers	5.68	5.3	10.7	5.68	5.3	10.7	—	—	—
Welfare service aides	7.75	7.8	24.7	7.10	9.0	23.1	—	—	—
Early childhood teachers' assistants	7.30	5.3	26.7	7.72	5.4	29.0	—	—	—
Child care workers, n.e.c.	7.84	3.4	26.9	7.94	3.3	29.2	—	—	—
Service, n.e.c.	7.61	3.7	27.3	7.27	3.5	28.7	8.31	5.1	24.8

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.

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 1996 and April 1998. The average reference period was July 1997.

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 8-7. South Atlantic census division:1 Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1997

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	\$13.73	1.4	37.0	\$14.17	1.7	36.9	\$11.56	4.0	37.4
All excluding sales	13.84	1.3	37.3	14.29	1.4	37.2	11.71	4.1	37.6
White collar	17.01	1.5	37.3	17.34	1.8	37.3	14.78	4.4	37.3
White collar excluding sales	17.75	1.2	38.0	18.07	1.4	38.1	15.58	4.1	37.9
Professional specialty and technical	21.16	1.0	37.3	21.66	1.2	37.2	17.96	3.1	37.7
Professional specialty	22.56	1.0	37.2	22.89	1.2	37.2	20.23	3.1	37.5
Engineers, architects, and surveyors	27.09	1.5	40.1	26.89	1.6	40.1	29.75	4.2	40.0
Architects	21.36	9.8	38.5	21.36	9.8	38.5	-	-	-
Aerospace engineers	26.39	4.1	40.0	26.39	4.1	40.0	-	-	-
Chemical engineers	31.26	4.5	39.1	31.26	4.5	39.1	-	-	-
Civil engineers	24.99	3.7	40.7	24.97	3.8	40.7	-	-	-
Electrical and electronic engineers	28.42	1.9	40.3	28.44	1.9	40.3	-	-	-
Industrial engineers	23.80	3.3	40.4	23.41	3.1	40.4	-	-	-
Mechanical engineers	24.54	3.0	40.2	24.91	3.1	40.2	-	-	-
Engineers, n.e.c.	30.15	2.6	39.9	30.15	2.7	39.9	-	-	-
Mathematical and computer scientists	24.98	2.1	40.0	25.07	2.1	40.0	19.83	6.3	40.0
Computer systems analysts and scientists	25.24	2.2	40.1	25.33	2.2	40.1	-	-	-
Operations and systems researchers and analysts	22.12	4.3	39.1	22.14	4.4	39.1	-	-	-
Statisticians	26.22	5.1	40.0	27.27	1.1	40.0	-	-	-
Natural scientists	21.17	5.8	39.9	21.59	5.7	39.9	-	-	-
Chemists, except biochemists	24.16	6.3	40.1	24.16	6.3	40.1	-	-	-
Geologists and geodesists	20.64	9.3	42.4	20.64	9.3	42.4	-	-	-
Physical scientists, n.e.c.	23.78	11.1	39.8	24.48	11.5	39.8	-	-	-
Agricultural and food scientists	22.25	15.2	39.1	22.94	16.0	39.0	-	-	-
Biological and life scientists	16.45	7.0	40.7	16.38	7.1	40.8	-	-	-
Medical scientists	21.44	7.1	38.4	22.75	3.4	38.1	-	-	-
Health related	20.71	1.9	34.6	21.18	2.1	34.4	18.02	5.0	35.9
Physicians	42.55	14.1	39.1	43.95	14.0	39.0	-	-	-
Registered nurses	19.06	1.3	33.9	19.36	1.6	33.4	17.46	1.1	37.0
Pharmacists	26.23	2.1	38.6	26.46	2.0	38.6	-	-	-
Dietitians	15.66	3.2	38.1	15.66	3.2	38.1	-	-	-
Respiratory therapists	16.21	1.6	33.4	16.39	2.2	34.9	-	-	-
Occupational therapists	19.34	6.9	38.6	18.89	7.4	38.8	-	-	-
Physical therapists	25.53	3.3	35.0	25.53	3.3	35.0	-	-	-
Speech therapists	28.00	5.2	33.5	28.00	5.2	33.5	-	-	-
Therapists, n.e.c.	15.61	4.3	36.4	15.66	4.9	35.9	-	-	-
Physicians' assistants	17.60	23.1	29.0	23.09	15.1	40.3	-	-	-
Teachers, college and university	27.97	2.8	38.9	28.26	3.4	37.3	26.79	.7	47.3
Biological science teachers	31.08	16.3	43.7	36.33	19.1	38.8	-	-	-
Chemistry teachers	27.26	7.0	54.0	-	-	-	-	-	-
Psychology teachers	27.35	11.8	39.2	27.35	11.8	39.2	-	-	-
Economics teachers	39.52	3.9	51.4	28.85	7.6	35.5	-	-	-
History teachers	27.24	6.3	39.4	27.24	6.3	39.4	-	-	-
Engineering teachers	24.18	11.6	43.8	17.18	29.1	31.8	-	-	-
Mathematical science teachers	24.93	5.2	36.8	24.93	5.2	36.8	-	-	-
Computer science teachers	28.73	17.4	38.7	28.73	17.4	38.7	-	-	-
Medical science teachers	28.37	10.8	40.8	28.37	10.8	40.8	-	-	-
Health specialties teachers	39.22	7.8	32.6	39.22	7.8	32.6	-	-	-
Business, commerce, and marketing teachers	32.00	18.1	43.5	32.00	18.1	43.5	-	-	-
Art, drama, and music teachers	22.44	5.3	34.2	22.44	5.3	34.2	-	-	-
Education teachers	28.18	12.7	38.0	28.18	12.7	38.0	-	-	-
English teachers	24.58	12.6	37.7	24.58	12.6	37.7	-	-	-
Foreign language teachers	17.24	17.7	41.0	28.44	16.5	25.5	-	-	-
Teachers, post secondary, subject not specified	24.24	11.8	32.1	24.24	11.8	32.1	-	-	-
Teachers, post secondary, n.e.c.	27.22	4.0	36.8	27.16	4.2	37.6	28.36	9.9	26.8
Teachers, except college and university	21.75	1.4	35.9	22.08	1.5	35.9	20.28	4.3	36.1
Prekindergarten and kindergarten	19.36	5.8	37.2	19.90	5.4	36.5	-	-	-
Elementary school teachers	22.12	1.9	37.4	22.47	2.0	37.4	20.76	5.4	37.3
Secondary school teachers	22.78	2.2	37.4	23.07	2.3	37.3	21.60	6.2	37.9
Teachers, special education	21.78	3.3	37.9	21.78	3.5	37.9	-	-	-
Teachers, n.e.c.	21.21	4.0	30.4	21.27	4.1	30.5	-	-	-
Substitute teachers	8.50	10.1	15.0	9.27	10.7	16.3	-	-	-
Vocational and educational counselors	21.69	6.1	38.0	22.45	7.3	37.7	-	-	-

See footnotes at end of table.

Table 8-7. South Atlantic census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1997—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	\$18.81	4.3	36.9	\$18.95	4.7	37.8	—	—	—
Librarians	18.85	4.5	36.9	19.01	4.9	37.8	—	—	—
Social scientists and urban planners	20.30	5.2	38.7	20.71	6.2	38.9	—	—	—
Economists	24.15	7.8	38.3	24.86	7.9	39.1	—	—	—
Psychologists	20.74	5.2	37.9	21.42	5.0	37.7	—	—	—
Urban planners	17.22	5.8	40.0	17.29	7.7	40.0	—	—	—
Social, recreation, and religious workers	13.85	2.4	38.5	13.89	2.6	38.2	\$13.61	5.4	40.0
Social workers	13.92	2.4	39.3	13.98	2.7	39.2	13.60	5.6	40.0
Recreation workers	13.06	5.1	32.1	12.98	5.7	31.5	—	—	—
Clergy	12.25	11.6	25.5	12.25	11.6	25.5	—	—	—
Lawyers and judges	36.13	4.6	40.0	36.31	4.6	40.3	—	—	—
Lawyers	36.05	5.2	40.4	36.05	5.2	40.4	—	—	—
Judges	37.51	16.9	33.8	41.86	7.2	39.0	—	—	—
Writers, authors, entertainers, athletes, and professionals, n.e.c.	18.87	4.4	37.7	19.08	4.5	37.6	—	—	—
Technical writers	16.68	5.4	38.4	16.68	5.4	38.4	—	—	—
Designers	16.02	5.5	40.0	16.02	5.5	40.0	—	—	—
Actors and directors	12.91	15.3	31.8	12.91	15.3	31.8	—	—	—
Painters, sculptors, craft artists, and artist printmakers	15.53	11.4	39.2	15.53	11.4	39.2	—	—	—
Photographers	15.10	9.0	38.3	16.30	6.2	37.9	—	—	—
Editors and reporters	23.56	9.6	38.9	23.56	9.6	38.9	—	—	—
Public relations specialists	20.16	9.7	38.9	20.80	10.4	38.8	—	—	—
Announcers	16.74	34.9	20.7	16.74	34.9	20.7	—	—	—
Athletes	13.62	8.4	41.3	13.62	8.4	41.3	—	—	—
Professional, n.e.c.	21.74	5.9	38.5	21.74	5.9	38.5	—	—	—
Technical	16.46	2.7	37.5	17.29	3.0	37.4	12.36	3.4	38.2
Clinical laboratory technologists and technicians	14.93	2.3	38.0	14.93	2.4	38.1	14.86	5.7	37.4
Health record technologists and technicians	9.93	10.2	38.9	11.18	7.1	38.4	—	—	—
Radiological technicians	15.72	3.1	34.6	15.94	3.3	35.1	—	—	—
Licensed practical nurses	12.08	1.1	36.1	12.43	1.2	34.9	11.28	2.3	39.1
Health technologists and technicians, n.e.c.	11.48	2.5	37.1	11.86	2.7	37.0	10.33	4.7	37.3
Electrical and electronic technicians	17.40	2.8	40.0	17.46	2.9	40.0	—	—	—
Mechanical engineering technicians	16.19	5.0	39.2	16.19	5.0	39.2	—	—	—
Engineering technicians, n.e.c.	16.00	5.5	39.6	16.68	4.2	39.5	—	—	—
Drafters	16.60	6.5	38.3	16.61	6.6	38.3	—	—	—
Surveying and mapping technicians	12.44	3.6	40.2	11.89	4.8	40.4	—	—	—
Biological technicians	14.51	7.9	39.7	14.14	10.2	39.6	—	—	—
Chemical technicians	17.91	6.4	39.9	19.27	5.5	39.8	—	—	—
Science technicians, n.e.c.	16.56	5.6	37.9	16.56	5.6	37.9	—	—	—
Airplane pilots and navigators	85.98	15.3	22.7	85.98	15.3	22.7	—	—	—
Broadcast equipment operators	13.48	9.4	35.9	13.48	9.4	35.9	—	—	—
Computer programmers	21.01	3.2	40.0	21.29	3.0	40.0	—	—	—
Legal assistants	16.44	4.0	39.8	16.44	4.0	39.8	—	—	—
Technical and related, n.e.c.	15.39	4.8	38.8	16.03	5.5	39.4	12.45	7.3	36.1
Executive, administrative, and managerial	24.27	2.9	40.3	24.30	3.2	40.4	23.99	2.6	39.0
Executives, administrators, and managers	27.86	2.5	40.5	28.00	2.8	40.8	26.69	2.2	38.5
Administrators and officials, public administration ...	23.09	5.1	39.6	23.16	5.8	39.6	22.63	8.3	39.4
Financial managers	30.30	5.1	40.6	30.62	5.2	40.6	—	—	—
Personnel and labor relations managers	28.88	6.1	41.7	29.84	5.4	41.8	—	—	—
Purchasing managers	29.44	9.1	40.1	32.34	7.1	40.2	—	—	—
Managers, marketing, advertising, and public relations	30.71	5.2	41.2	31.24	5.2	41.4	—	—	—
Administrators, education and related fields	28.14	3.6	39.3	26.96	2.7	39.7	32.39	8.5	38.0
Managers, medicine and health	27.51	5.7	39.7	27.39	6.3	39.7	—	—	—
Managers, food servicing and lodging establishments	17.07	5.2	41.4	16.07	4.4	41.2	—	—	—
Managers, properties and real estate	29.05	17.0	40.7	29.05	17.0	40.7	—	—	—
Managers, service organizations, n.e.c.	19.46	7.9	39.9	19.57	7.9	39.7	—	—	—

See footnotes at end of table.

Table 8-7. South Atlantic census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1997—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 and administrators, n.e.c.	\$30.06	2.1	41.4	\$30.19	2.1	41.7	\$28.26	7.9	38.0
Management related	19.27	3.1	40.0	19.31	3.3	40.0	18.84	6.3	39.8
Accountants and auditors	18.03	1.9	39.9	18.12	2.1	39.9	—	—	—
Underwriters	19.54	6.4	42.1	19.54	6.4	42.1	—	—	—
Other financial officers	21.55	5.1	39.7	21.19	5.4	39.6	24.42	9.1	40.0
Management analysts	21.14	9.3	40.0	21.14	9.3	40.0	—	—	—
Personnel, training, and labor relations specialists ..	18.47	3.2	39.8	18.22	3.1	39.8	—	—	—
Buyers, wholesale and retail trade, except farm products	34.69	31.4	38.5	34.69	31.4	38.5	—	—	—
Purchasing agents and buyers, n.e.c.	17.41	11.2	40.0	17.19	13.3	39.9	—	—	—
Construction inspectors	15.99	3.3	41.1	16.23	3.4	41.2	—	—	—
Inspectors and compliance officers, except construction	18.13	8.4	40.1	18.75	10.0	40.1	15.67	6.7	40.0
Management related, n.e.c.	19.99	3.2	39.8	20.20	3.4	39.9	18.28	10.7	39.5
Sales	12.10	5.3	33.0	12.57	6.0	33.0	8.34	2.0	33.4
Supervisors, sales	17.36	4.7	41.5	17.91	4.9	41.7	13.19	5.7	40.7
Insurance sales	19.73	21.7	43.3	19.73	21.7	43.3	—	—	—
Real estate sales	19.55	21.8	37.6	19.55	21.8	37.6	—	—	—
Securities and financial services sales	53.71	19.8	40.0	53.71	19.8	40.0	—	—	—
Advertising and related sales	21.32	9.2	38.6	21.59	9.2	38.5	—	—	—
Sales, other business services	19.30	14.7	35.7	19.66	15.5	35.4	—	—	—
Sales engineers	28.65	6.8	41.2	28.65	6.8	41.2	—	—	—
Sales representatives, mining, manufacturing, and wholesale	23.94	8.5	41.2	24.35	8.4	41.2	—	—	—
Sales workers, motor vehicles and boats	16.19	6.8	44.9	16.19	6.8	44.9	—	—	—
Sales workers, apparel	10.08	14.6	26.3	10.08	14.6	26.3	—	—	—
Sales workers, shoes	9.51	24.3	27.3	9.51	24.3	27.3	—	—	—
Sales workers, furniture and home furnishings	11.00	26.8	35.0	11.00	26.8	35.0	—	—	—
Sales workers, hardware and building supplies	9.44	5.5	37.8	10.05	4.1	37.5	—	—	—
Sales workers, parts	14.76	7.2	38.1	14.76	7.2	38.1	—	—	—
Sales workers, other commodities	8.56	5.1	30.8	8.75	6.0	30.1	7.71	1.5	33.9
Sales counter clerks	8.53	9.2	31.2	8.53	9.2	31.2	—	—	—
Cashiers	6.59	3.8	27.8	6.60	4.3	28.0	6.43	2.0	26.7
Sales support, n.e.c.	8.32	16.8	36.8	8.32	16.8	36.8	—	—	—
Administrative support, including clerical	10.96	1.3	37.8	11.05	1.4	37.8	10.45	2.8	37.7
Supervisors, general office	15.43	3.0	39.8	15.50	3.3	39.8	14.70	7.6	40.0
Supervisors, computer equipment operators	20.39	5.3	39.7	18.30	4.3	39.2	—	—	—
Supervisors, financial records processing	18.13	4.1	39.8	18.13	4.1	39.8	—	—	—
Chief communications operators	17.53	6.3	40.8	17.49	10.5	41.3	—	—	—
Supervisors, distribution, scheduling, and adjusting clerks	14.94	5.5	40.2	15.68	4.0	40.3	—	—	—
Computer operators	11.70	4.1	39.7	11.83	4.2	39.8	—	—	—
Peripheral equipment operators	11.22	9.8	39.7	11.22	9.8	39.7	—	—	—
Secretaries	12.30	2.5	38.7	12.26	2.8	38.7	12.56	2.2	38.7
Stenographers	11.13	6.3	34.6	11.98	7.0	35.5	9.53	3.8	33.1
Typists	11.82	5.1	37.2	12.07	4.9	37.1	—	—	—
Interviewers	8.67	4.0	32.9	9.12	3.5	30.9	7.46	.9	40.0
Hotel clerks	7.54	9.7	36.8	7.71	11.5	36.2	—	—	—
Transportation ticket and reservation agents	13.41	5.6	36.1	13.92	4.3	35.8	—	—	—
Receptionists	8.36	2.3	35.5	8.50	2.3	35.2	6.74	2.9	39.2
Information clerks, n.e.c.	10.97	3.0	35.9	10.97	3.0	35.9	—	—	—
Correspondence clerks	8.83	3.9	38.5	8.83	3.9	38.5	—	—	—
Order clerks	11.93	2.8	38.5	11.63	2.3	38.2	13.28	5.9	40.0
Personnel clerks, except payroll and timekeeping ...	11.22	5.9	40.1	10.86	4.2	40.1	—	—	—
Library clerks	9.05	2.2	32.5	9.27	2.1	30.9	8.68	6.2	35.6
File clerks	8.23	3.6	35.5	8.40	3.8	35.9	—	—	—
Records clerks, n.e.c.	10.61	2.4	37.5	10.79	2.6	37.5	8.61	8.0	37.2

See footnotes at end of table.

Table 8-7. South Atlantic census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1997—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									
Bookkeepers, accounting and auditing clerks	\$10.44	2.4	38.5	\$10.35	2.4	38.5	\$11.02	5.9	38.9
Payroll and timekeeping clerks	11.33	2.9	39.0	11.66	2.8	39.0	—	—	—
Billing clerks	10.05	3.3	39.1	10.16	3.4	39.5	—	—	—
Cost and rate clerks	12.67	6.6	38.6	12.97	6.4	38.5	—	—	—
Billing, posting, and calculating machine operators	9.17	6.6	37.9	9.17	6.6	37.9	—	—	—
Duplicating machine operators	7.55	3.7	39.8	7.55	3.7	39.8	—	—	—
Office machine operators, n.e.c.	8.77	4.2	38.7	8.87	5.3	38.3	—	—	—
Telephone operators	11.34	5.2	35.6	11.26	8.9	34.6	—	—	—
Communications equipment operators, n.e.c.	10.40	4.2	36.7	10.07	4.9	36.3	—	—	—
Mail clerks, except postal service	8.14	3.8	35.8	8.14	3.8	35.8	—	—	—
Messengers	8.02	6.6	34.0	8.05	6.7	34.1	—	—	—
Dispatchers	11.53	3.3	40.5	11.75	3.5	40.4	—	—	—
Production coordinators	12.74	5.8	37.9	13.07	5.3	37.7	—	—	—
Traffic, shipping and receiving clerks	10.24	4.7	39.5	10.27	2.6	39.3	—	—	—
Stock and inventory clerks	10.21	2.7	37.8	10.23	3.0	37.5	10.08	4.7	40.0
Meter readers	14.02	11.7	40.0	11.91	13.3	39.9	—	—	—
Weighers, measurers, checkers, and samplers	10.73	7.5	40.0	10.73	7.5	40.0	—	—	—
Expeditors	11.42	6.2	39.1	11.42	6.2	39.1	—	—	—
Material recording, scheduling, and distribution clerks, n.e.c.	11.82	6.4	37.3	11.83	6.6	37.2	—	—	—
Insurance adjusters, examiners, and investigators ..	14.75	6.6	39.2	14.75	6.6	39.2	—	—	—
Investigators and adjusters, except insurance	10.57	3.6	37.6	10.62	3.7	38.3	8.76	11.3	20.4
Eligibility clerks, social welfare	11.36	3.0	39.2	11.31	3.4	39.0	—	—	—
Bill and account collectors	11.48	2.5	39.3	11.52	2.5	39.2	—	—	—
General office clerks	10.09	1.4	38.2	10.13	1.6	38.1	9.92	2.1	39.1
Bank tellers	8.11	2.6	34.5	8.16	2.7	34.4	—	—	—
Proofreaders	9.01	3.7	39.5	9.39	6.9	38.7	—	—	—
Data entry keyers	9.06	3.1	37.1	9.04	3.0	37.0	—	—	—
Statistical clerks	11.05	4.1	38.5	11.27	4.0	38.4	—	—	—
Teachers' aides	8.54	3.8	34.7	8.55	2.8	35.4	8.53	8.5	33.7
Administrative support, n.e.c.	10.80	2.8	37.2	11.32	2.6	37.7	8.14	6.1	35.0
Blue collar	11.13	1.7	38.3	11.45	1.6	38.2	10.04	5.2	38.8
Precision production, craft, and repair									
Supervisors, mechanics and repairers	20.13	4.3	40.2	20.54	3.3	40.3	—	—	—
Automobile mechanics	15.52	2.9	41.2	15.70	2.9	41.2	—	—	—
Automobile mechanic apprentices	8.48	17.2	37.9	8.48	17.2	37.9	—	—	—
Bus, truck, and stationary engine mechanics	13.61	4.7	39.9	14.07	4.4	39.9	—	—	—
Automobile body and related repairers	14.09	6.3	40.2	14.09	6.3	40.2	—	—	—
Aircraft mechanics, except engine	20.39	8.0	40.0	20.39	8.0	40.0	—	—	—
Heavy equipment mechanics	13.12	5.0	40.0	13.64	4.1	40.0	—	—	—
Industrial machinery repairers	15.46	4.5	40.0	14.50	2.1	40.0	17.32	8.3	40.0
Machinery maintenance	11.80	6.8	40.3	11.82	5.5	40.4	—	—	—
Electronic repairers, communications and industrial equipment	14.56	8.0	40.1	14.24	8.1	40.1	—	—	—
Data processing equipment repairers	15.10	7.7	38.9	15.10	7.7	38.9	—	—	—
Telephone line installers and repairers	17.37	5.2	39.9	18.23	4.8	39.9	14.41	9.7	40.0
Telephone installers and repairers	17.26	3.0	40.0	17.26	3.0	40.0	—	—	—
Heating, air conditioning, and refrigeration mechanics	13.67	3.3	40.2	13.87	3.7	40.2	—	—	—
Mechanical controls and valve repairers	16.19	3.9	40.0	15.91	4.1	40.0	—	—	—
Millwrights	14.37	4.2	40.0	14.37	4.2	40.0	—	—	—
Mechanics and repairers, n.e.c.	13.98	4.3	39.8	14.83	3.5	39.7	12.31	10.1	40.0
Supervisors, carpenters and related workers	15.33	10.8	40.0	15.33	10.8	40.0	—	—	—
Supervisors, electricians and power transmission installers	18.82	8.3	40.0	19.26	7.0	40.0	—	—	—
Supervisors, plumbers, pipefitters, and steamfitters	20.64	20.4	41.2	20.64	20.4	41.2	—	—	—
Supervisors, construction trades, n.e.c.	15.97	4.7	40.3	16.33	5.2	40.3	—	—	—
Carpenters	13.05	2.6	39.6	13.11	2.6	39.6	—	—	—
Drywall installers	14.45	4.8	40.0	14.45	4.8	40.0	—	—	—

See footnotes at end of table.

Table 8-7. **South Atlantic census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1997–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									
Electricians	\$14.67	3.7	39.9	\$14.89	4.4	39.9	\$13.91	4.9	40.0
Electrician apprentices	9.78	5.7	40.1	9.78	5.7	40.1	–	–	–
Electrical power installers and repairers	18.70	5.6	39.9	19.64	4.4	39.8	–	–	–
Painters, construction and maintenance	11.46	10.5	39.0	11.44	10.9	39.0	–	–	–
Plumbers, pipefitters and steamfitters	17.89	9.3	39.1	18.00	9.3	39.1	–	–	–
Concrete and terrazzo finishers	12.05	6.1	39.5	12.95	6.9	39.0	–	–	–
Insulation workers	11.71	10.7	40.0	12.56	10.2	40.0	–	–	–
Sheetmetal duct installers	12.41	7.4	40.0	12.41	7.4	40.0	–	–	–
Structural metal workers	11.76	6.7	40.0	11.76	6.7	40.0	–	–	–
Construction trades, n.e.c.	11.15	5.7	39.8	12.20	4.9	39.6	9.97	10.5	40.0
Supervisors, production	17.71	2.8	40.8	17.38	3.4	41.2	18.42	5.1	40.0
Tool and die makers	14.74	7.6	40.2	15.89	4.4	40.2	–	–	–
Tool and die maker apprentices	11.47	7.9	40.0	11.47	7.9	40.0	–	–	–
Precision assemblers, metal	12.70	4.2	40.0	12.70	4.2	40.0	–	–	–
Machinists	15.42	3.4	40.4	15.42	3.4	40.4	–	–	–
Patternmakers and modelmakers, metal	13.44	14.5	40.0	13.44	14.5	40.0	–	–	–
Sheet metal workers	13.27	2.2	40.0	13.27	2.2	40.0	–	–	–
Furniture and wood finishers	10.19	1.3	40.0	10.19	1.3	40.0	–	–	–
Upholsterers	14.64	8.5	39.2	14.64	8.5	39.2	–	–	–
Electrical and electronic equipment assemblers	9.41	4.9	39.7	8.79	4.5	39.5	–	–	–
Miscellaneous precision workers, n.e.c.	13.69	20.9	40.1	11.66	25.1	40.1	–	–	–
Butchers and meat cutters	8.81	7.5	36.2	–	–	–	–	–	–
Bakers	9.53	11.2	34.7	9.53	11.2	34.7	–	–	–
Food batchmakers	8.26	4.7	40.0	8.26	4.7	40.0	–	–	–
Inspectors, testers, and graders	14.11	4.4	40.5	14.11	4.4	40.5	–	–	–
Precision inspectors, testers, and related workers, n.e.c.	16.60	14.9	40.0	16.60	14.9	40.0	–	–	–
Water and sewer treatment plant operators	13.72	4.7	40.0	13.82	5.2	39.9	–	–	–
Power plant operators	18.99	9.3	40.5	18.99	9.3	40.5	–	–	–
Stationary engineers	15.57	8.0	39.5	15.57	8.0	39.5	–	–	–
Miscellaneous plant and system operators, n.e.c. ...	17.16	5.8	39.1	17.16	5.8	39.1	–	–	–
Machine operators, assemblers, and inspectors	10.08	1.9	39.7	10.55	1.0	39.7	8.96	4.8	39.9
Lathe and turning machine set-up operators	13.37	7.5	39.8	14.43	6.7	39.7	–	–	–
Lathe and turning machine operators	10.56	6.0	40.0	10.56	6.0	40.0	–	–	–
Punching and stamping press operators	10.32	7.7	40.0	10.32	7.7	40.0	–	–	–
Drilling and boring machine operators	11.62	7.4	39.7	11.62	7.4	39.7	–	–	–
Grinding, abrading, buffing, and polishing machine operators	10.02	3.7	40.0	10.16	4.4	40.0	–	–	–
Numerical control machine operators	13.54	5.5	40.2	13.54	5.5	40.2	–	–	–
Fabricating machine operators, n.e.c.	10.86	5.1	39.9	10.86	5.1	39.9	–	–	–
Molding and casting machine operators	8.78	7.1	39.9	8.84	7.3	39.9	–	–	–
Metal plating machine operators	10.24	16.1	38.2	–	–	–	–	–	–
Heat treating equipment operators	11.66	13.0	40.6	11.66	13.0	40.6	–	–	–
Wood lathe, routing, and planing machine operators	8.71	12.4	40.0	10.14	3.2	40.0	–	–	–
Sawing machine operators	–	–	–	10.24	3.7	38.3	–	–	–
Printing press operators	14.82	3.7	38.9	14.82	3.7	38.9	–	–	–
Photoengravers and lithographers	13.73	3.9	39.6	13.73	3.9	39.6	–	–	–
Typesetters and compositors	11.90	12.0	37.7	11.98	12.1	39.1	–	–	–
Winding and twisting machine operators	10.81	6.9	40.2	9.56	2.7	40.5	–	–	–
Knitting, looping, taping, and weaving machine operators	9.58	4.5	40.9	9.58	4.5	40.9	–	–	–
Textile cutting machine operators	8.57	11.1	40.1	8.74	10.9	40.2	–	–	–
Textile sewing machine operators	7.60	4.1	39.8	8.09	4.2	39.6	–	–	–
Laundering and dry cleaning machine operators	6.85	2.8	38.9	6.95	3.4	39.2	6.49	3.6	37.6
Cementing and gluing machine operators	–	–	–	8.54	10.4	40.0	–	–	–
Packaging and filling machine operators	10.47	11.0	39.3	12.60	7.6	38.8	–	–	–
Extruding and forming machine operators	11.74	4.1	40.5	11.74	4.1	40.5	–	–	–
Mixing and blending machine operators	12.38	9.4	39.9	12.70	9.3	39.9	–	–	–

See footnotes at end of table.

Table 8-7. **South Atlantic census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1997–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									
Separating, filtering, and clarifying machine operators	\$14.82	3.6	39.8	\$14.82	3.6	39.8	–	–	–
Compressing and compacting machine operators ..	9.07	5.1	38.5	9.07	5.1	38.5	–	–	–
Painting and paint spraying machine operators	11.89	6.2	40.6	11.89	6.4	40.6	–	–	–
Folding machine operators	9.56	9.2	39.9	9.56	9.2	39.9	–	–	–
Furnace, kiln, and oven operators, except food	13.74	13.0	40.0	13.74	13.0	40.0	–	–	–
Crushing and grinding machine operators	9.51	16.7	40.1	11.75	4.0	40.1	–	–	–
Slicing and cutting machine operators	11.65	4.5	40.0	11.65	4.5	40.0	–	–	–
Photographic process machine operators	8.92	9.2	36.4	8.08	3.7	35.7	–	–	–
Miscellaneous machine operators, n.e.c.	11.26	2.5	39.8	11.32	1.8	39.8	\$11.12	7.8	39.8
Welders and cutters	12.32	6.4	40.1	12.39	6.5	40.1	–	–	–
Solders and braziers	9.55	11.0	40.0	9.55	11.0	40.0	–	–	–
Assemblers	9.22	2.4	39.7	9.73	2.9	39.7	7.99	4.4	39.9
Hand cutting and trimming	10.15	3.4	40.0	10.15	3.4	40.0	–	–	–
Hand painting, coating, and decorating	10.15	11.6	37.5	10.15	11.6	37.5	–	–	–
Miscellaneous hand working, n.e.c.	9.32	6.2	38.4	9.71	6.0	37.2	–	–	–
Production inspectors, checkers and examiners	9.88	3.5	40.2	10.22	1.9	40.3	8.41	19.5	39.9
Production testers	10.28	7.1	40.3	11.41	6.2	40.4	–	–	–
Graders and sorters, except agricultural	7.14	2.7	40.0	7.79	7.5	39.9	–	–	–
Hand inspectors, n.e.c.	9.14	5.9	40.0	9.14	5.9	40.0	–	–	–
Transportation and material moving	11.50	1.9	37.1	11.64	2.2	37.5	10.55	3.7	35.1
Supervisors, motor vehicle operators	13.11	5.9	41.1	13.31	7.2	41.9	–	–	–
Truck drivers	11.61	2.8	39.6	11.77	3.0	39.6	8.81	1.9	39.6
Driver-sales workers	12.13	7.3	40.5	12.14	7.7	40.3	–	–	–
Bus drivers	10.59	3.7	28.6	10.95	3.8	30.5	8.27	5.7	20.3
Taxicab drivers and chauffeurs	6.62	6.8	29.2	6.74	7.1	28.6	–	–	–
Parking lot attendants	6.58	3.2	33.0	6.58	3.2	33.0	–	–	–
Motor transportation, n.e.c.	9.49	5.5	34.5	9.70	5.7	33.8	–	–	–
Supervisors, material moving equipment	16.74	8.3	40.0	17.82	6.3	40.0	–	–	–
Operating engineers	12.05	6.5	40.0	13.62	8.1	40.0	–	–	–
Crane and tower operators	16.20	5.5	39.9	16.83	7.2	39.9	–	–	–
Excavating and loading machine operators	10.87	4.6	40.0	11.50	5.4	39.9	–	–	–
Grader, dozer, and scrapper operators	10.87	4.3	40.0	10.31	4.4	40.0	–	–	–
Industrial truck and tractor equipment operators	10.96	2.7	39.9	10.99	2.5	39.9	–	–	–
Miscellaneous material moving equipment operators, n.e.c.	13.85	9.2	38.4	13.73	10.7	38.0	–	–	–
Handlers, equipment cleaners, helpers, and laborers ...	8.66	2.3	35.9	8.82	2.5	35.6	7.99	8.4	36.9
Supervisors, agriculture-related workers	18.08	9.4	40.3	18.23	9.5	40.3	–	–	–
Groundskeepers and gardeners, except farm	7.68	3.1	38.0	8.16	5.2	37.1	6.93	3.5	39.5
Supervisors, handlers, equipment cleaners, and laborers, n.e.c.	14.34	4.7	41.0	14.34	4.7	41.0	–	–	–
Helpers, mechanics and repairers	9.49	3.8	40.2	9.69	5.7	40.4	–	–	–
Helpers, construction trades	8.98	3.0	38.8	8.74	2.6	38.5	9.92	5.9	40.0
Construction laborers	7.93	3.3	38.3	7.85	3.6	38.1	8.48	6.5	40.0
Production helpers	10.11	8.0	39.8	9.15	3.2	39.7	–	–	–
Garbage collectors	9.34	10.1	39.7	9.45	11.0	39.6	–	–	–
Stock handlers and baggers	7.65	4.5	29.9	7.71	5.4	29.9	7.34	4.9	29.6
Machine feeders and offbearers	8.67	5.3	40.0	8.55	5.3	40.0	–	–	–
Freight, stock, and material handlers, n.e.c.	9.44	4.7	36.9	9.96	3.7	36.2	7.47	14.9	39.9
Garage and service station related	8.89	10.9	42.0	8.89	10.9	42.0	–	–	–
Vehicle washers and equipment cleaners	8.51	5.7	38.9	8.83	5.2	38.7	–	–	–
Hand packers and packagers	8.05	3.4	38.1	8.35	2.5	37.5	7.19	10.7	40.0
Laborers, except construction, n.e.c.	8.07	2.7	38.1	8.19	2.3	38.2	7.48	12.6	37.7
Service	8.52	1.5	33.7	8.59	1.2	33.5	8.20	7.2	34.6
Protective service	11.93	1.9	38.6	12.19	2.1	38.3	10.96	2.1	39.5
Supervisors, firefighters and fire prevention	20.38	5.1	48.8	20.38	5.1	48.8	–	–	–

See footnotes at end of table.

Table 8-7. South Atlantic census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1997—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									
Supervisors, police and detectives	\$19.28	3.1	40.4	\$19.82	2.8	40.5	—	—	—
Supervisors, guards	13.30	7.3	36.7	12.89	7.8	36.3	—	—	—
Fire inspection and fire prevention	14.61	8.5	45.0	15.80	6.1	46.3	—	—	—
Firefighting	11.91	2.7	48.8	11.96	2.7	48.9	—	—	—
Police and detectives, public service	15.73	2.2	40.3	15.89	2.3	40.4	\$13.49	7.5	39.8
Sheriffs, bailiffs, and other law enforcement officers	12.62	3.9	39.7	13.83	4.2	39.4	10.13	7.4	40.4
Correctional institution officers	11.65	2.0	40.0	12.51	2.3	40.0	11.11	1.7	40.0
Crossing guards	8.30	5.0	19.3	8.39	4.9	20.4	—	—	—
Guards and police, except public service	7.56	2.5	34.3	7.55	2.5	34.3	7.61	10.0	34.1
Protective service, n.e.c.	11.72	8.4	34.6	11.83	8.7	34.4	—	—	—
Food service									
Supervisors, food preparation and service	10.60	3.4	39.4	10.72	4.2	39.8	6.40	5.3	29.5
Bartenders	4.89	9.6	32.9	4.80	12.9	32.4	—	—	—
Waiters and waitresses	3.31	4.4	28.9	3.34	4.4	29.0	2.93	11.3	27.6
Cooks	7.97	1.7	35.1	8.16	1.9	34.5	7.15	1.9	37.7
Food counter, fountain, and related	5.71	2.1	24.8	5.89	2.7	27.0	5.37	.8	21.5
Kitchen workers, food preparation	7.37	2.3	31.2	7.46	2.3	30.8	6.98	6.6	33.4
Waiters/Waitresses' assistants	5.63	7.9	31.1	5.75	8.0	30.7	—	—	—
Food preparation, n.e.c.	6.60	2.1	29.9	6.55	2.2	29.6	6.83	5.5	31.4
Health service									
Dental assistants	10.12	3.8	29.8	10.12	3.8	29.8	—	—	—
Health aides, except nursing	8.57	3.2	34.7	8.60	3.0	33.9	8.46	11.4	39.1
Nursing aides, orderlies and attendants	7.52	1.4	35.1	7.79	1.1	35.2	6.72	4.0	34.9
Cleaning and building service									
Supervisors, cleaning and building service workers	11.34	3.5	38.4	11.26	3.9	38.2	—	—	—
Maids and housemen	6.81	3.5	37.0	6.96	4.0	37.0	6.12	1.3	37.1
Janitors and cleaners	7.53	1.8	33.7	7.55	2.1	33.2	7.36	2.3	38.5
Personal service									
Supervisors, personal service	13.66	7.4	37.0	13.41	8.6	36.6	—	—	—
Attendants, amusement, and recreation facilities	6.39	5.7	27.1	6.74	4.1	28.1	—	—	—
Guides	8.43	7.2	28.5	8.56	7.7	29.8	—	—	—
Public transportation attendants	26.79	8.4	21.0	26.79	8.4	21.0	—	—	—
Baggage porters and bellhops	5.55	8.3	34.8	5.55	8.3	34.8	—	—	—
Welfare service aides	8.09	5.9	27.8	8.34	6.8	26.6	7.23	6.9	32.7
Early childhood teachers' assistants	8.05	2.7	34.3	7.92	3.8	33.1	8.30	2.7	37.0
Child care workers, n.e.c.	6.89	3.9	25.1	6.87	3.9	24.9	—	—	—
Service, n.e.c.	7.50	4.5	32.7	7.41	5.0	32.5	8.03	3.7	33.7

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 October 1996 and July 1998. The average reference period was September 1997.

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 8-8. East South Central census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1997

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	\$11.88	2.3	37.8	\$13.60	1.6	37.0	\$10.22	3.7	38.7
All excluding sales	12.24	2.2	38.0	13.85	1.4	37.5	10.55	3.8	38.6
White collar	14.97	1.9	37.8	16.05	2.2	37.0	13.24	5.0	39.1
White collar excluding sales	16.96	1.5	38.3	16.94	1.8	38.0	17.02	2.2	38.9
Professional specialty and technical	19.91	1.0	37.5	20.37	1.3	37.9	18.41	1.0	36.4
Professional specialty	21.71	1.5	37.3	22.34	2.1	37.7	19.88	1.0	36.4
Engineers, architects, and surveyors	23.29	3.9	40.8	25.08	1.0	41.4	-	-	-
Civil engineers	22.93	3.5	39.5	22.93	3.5	39.5	-	-	-
Electrical and electronic engineers	24.61	3.7	40.3	24.33	4.2	40.4	-	-	-
Industrial engineers	-	-	-	24.12	4.7	40.7	-	-	-
Mechanical engineers	24.97	3.2	40.1	24.97	3.2	40.1	-	-	-
Engineers, n.e.c.	24.65	4.8	42.0	25.85	4.5	42.5	-	-	-
Mathematical and computer scientists	22.31	2.3	40.9	22.31	2.3	40.9	-	-	-
Computer systems analysts and scientists	22.68	2.2	40.7	22.68	2.2	40.7	-	-	-
Operations and systems researchers and analysts	17.84	5.8	45.8	17.84	5.8	45.8	-	-	-
Natural scientists	22.74	8.2	41.3	22.74	8.2	41.3	-	-	-
Health related	19.74	2.5	36.5	20.55	1.6	36.5	16.46	2.8	36.7
Physicians	53.85	5.5	37.1	53.85	5.5	37.1	-	-	-
Registered nurses	17.21	.9	36.4	17.50	1.6	36.1	16.15	1.4	37.4
Pharmacists	26.01	3.1	38.3	26.39	3.0	37.9	-	-	-
Dietitians	15.38	5.5	39.6	-	-	-	-	-	-
Respiratory therapists	15.96	3.8	31.7	15.31	1.3	33.1	-	-	-
Physical therapists	25.98	3.4	37.0	26.83	1.7	39.7	-	-	-
Speech therapists	20.80	7.8	40.0	20.80	7.8	40.0	-	-	-
Teachers, college and university	26.70	6.4	32.5	27.99	5.1	33.4	22.91	6.1	30.2
History teachers	27.68	7.7	28.3	-	-	-	-	-	-
Business, commerce, and marketing teachers	34.00	16.3	22.3	-	-	-	-	-	-
Art, drama, and music teachers	20.89	6.6	27.1	21.08	6.4	33.5	-	-	-
English teachers	21.46	8.1	29.3	24.87	4.7	34.6	-	-	-
Trade and industrial teachers	24.15	3.1	35.4	-	-	-	-	-	-
Teachers, post secondary, n.e.c.	21.30	5.4	30.8	-	-	-	-	-	-
Teachers, except college and university	22.66	.9	35.8	23.50	.7	35.2	21.34	1.7	36.8
Prekindergarten and kindergarten	12.35	15.7	36.7	12.35	15.7	36.7	-	-	-
Elementary school teachers	22.94	.6	38.1	23.88	1.1	37.3	21.84	1.0	39.0
Secondary school teachers	23.32	.6	37.4	23.78	.7	37.0	22.53	.7	38.2
Teachers, special education	23.97	2.5	36.6	24.95	1.3	36.4	-	-	-
Teachers, n.e.c.	22.46	8.6	36.4	23.83	4.4	35.7	-	-	-
Substitute teachers	6.47	4.7	9.7	7.15	2.8	8.4	-	-	-
Vocational and educational counselors	24.87	4.1	38.6	27.40	.6	38.4	-	-	-
Librarians, archivists, and curators	17.64	3.0	36.4	17.64	3.0	36.4	-	-	-
Librarians	18.36	4.3	35.9	18.36	4.3	35.9	-	-	-
Social scientists and urban planners	17.92	10.3	41.2	17.77	11.5	41.2	-	-	-
Psychologists	19.57	17.2	40.0	-	-	-	-	-	-
Social, recreation, and religious workers	13.00	4.7	39.6	13.30	6.3	39.6	12.10	1.5	39.6
Social workers	13.09	4.6	39.6	13.46	6.3	39.7	12.10	1.5	39.6
Recreation workers	10.17	17.5	34.9	10.17	17.5	34.9	-	-	-
Lawyers and judges	31.74	4.3	39.3	33.22	4.5	47.4	-	-	-
Lawyers	31.74	4.3	39.3	33.22	4.5	47.4	-	-	-
Writers, authors, entertainers, athletes, and professionals, n.e.c.	18.34	.7	40.3	18.40	.8	41.0	-	-	-
Technical writers	15.90	3.1	40.0	15.90	3.1	40.0	-	-	-
Designers	18.90	10.1	41.6	18.90	10.1	41.6	-	-	-
Editors and reporters	24.70	8.2	41.3	24.70	8.2	41.3	-	-	-
Public relations specialists	14.76	8.4	41.6	14.76	8.4	41.6	-	-	-
Professional, n.e.c.	16.44	4.6	38.4	16.29	6.4	38.9	-	-	-
Technical	13.85	3.0	38.2	14.43	2.3	38.5	11.00	3.2	36.5
Clinical laboratory technologists and technicians	13.31	4.3	37.7	13.47	5.0	37.4	-	-	-
Health record technologists and technicians	11.17	6.1	35.2	11.17	6.1	35.2	-	-	-
Radiological technicians	13.41	3.4	39.4	13.78	2.2	39.7	-	-	-
Licensed practical nurses	10.87	2.5	37.1	11.32	3.5	38.2	10.17	2.2	35.5
Health technologists and technicians, n.e.c.	12.16	9.2	37.3	12.16	9.2	37.3	-	-	-
Electrical and electronic technicians	16.47	4.5	40.4	16.37	4.7	40.4	-	-	-
Engineering technicians, n.e.c.	18.05	3.0	39.6	-	-	-	-	-	-

See footnotes at end of table.

Table 8-8. East South Central census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1997–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	\$14.53	6.5	41.9	\$14.53	6.5	41.9	–	–	–
Biological technicians	14.49	15.2	40.0	14.49	15.2	40.0	–	–	–
Chemical technicians	15.19	8.6	40.0	15.19	8.6	40.0	–	–	–
Computer programmers	17.03	2.8	41.0	17.03	2.8	41.0	–	–	–
Legal assistants	14.88	1.6	41.4	14.88	1.8	41.6	–	–	–
Technical and related, n.e.c.	12.96	2.3	38.3	12.96	2.3	38.3	–	–	–
Executive, administrative, and managerial									
Executives, administrators, and managers	27.12	3.7	41.2	26.63	.9	41.3	27.82	7.9	41.0
Administrators and officials, public administration ...	20.64	3.6	36.8	22.76	1.5	40.3	17.01	8.4	32.1
Financial managers	24.96	1.7	41.6	26.71	5.1	42.3	18.38	16.2	39.2
Personnel and labor relations managers	20.58	2.8	40.0	20.58	2.8	40.0	–	–	–
Managers, marketing, advertising, and public relations	26.62	2.3	42.2	26.62	2.3	42.2	–	–	–
Administrators, education and related fields	26.21	5.6	38.8	29.62	2.5	40.2	22.09	5.3	37.2
Managers, medicine and health	27.17	6.2	40.5	28.32	3.2	39.9	–	–	–
Managers, food servicing and lodging establishments	15.66	9.3	42.2	16.62	11.0	42.5	–	–	–
Managers, service organizations, n.e.c.	–	–	–	18.63	1.3	39.7	–	–	–
Managers and administrators, n.e.c.	29.36	6.0	44.3	27.81	1.4	42.4	–	–	–
Management related	20.02	1.5	40.4	19.76	.7	40.5	20.63	4.4	40.1
Accountants and auditors	17.84	3.5	40.3	18.48	3.0	40.4	–	–	–
Other financial officers	18.92	6.6	40.6	17.31	4.0	40.3	–	–	–
Management analysts	24.94	3.2	40.4	24.94	3.2	40.4	–	–	–
Personnel, training, and labor relations specialists ..	23.66	3.4	39.6	23.66	3.4	39.6	–	–	–
Buyers, wholesale and retail trade, except farm products	18.14	18.7	43.0	14.89	.7	43.5	–	–	–
Purchasing agents and buyers, n.e.c.	15.84	5.6	40.0	14.41	12.7	40.0	–	–	–
Inspectors and compliance officers, except construction	15.13	5.5	40.6	15.21	6.3	40.8	–	–	–
Management related, n.e.c.	21.34	4.1	40.4	20.02	2.6	41.2	–	–	–
Sales									
Supervisors, sales	14.20	2.4	41.1	14.12	2.4	41.2	–	–	–
Sales, other business services	18.63	3.4	40.4	19.28	2.1	39.9	–	–	–
Sales representatives, mining, manufacturing, and wholesale	18.58	9.3	40.8	16.72	5.4	40.9	–	–	–
Sales workers, motor vehicles and boats	14.53	17.9	50.4	14.53	17.9	50.4	–	–	–
Sales workers, apparel	7.47	4.4	26.3	7.47	4.4	26.3	–	–	–
Sales workers, parts	9.73	5.1	35.3	9.73	5.1	35.3	–	–	–
Sales workers, other commodities	8.90	5.1	31.4	9.02	6.1	31.2	–	–	–
Sales counter clerks	6.17	2.5	28.5	6.21	2.6	28.8	–	–	–
Cashiers	–	–	–	6.53	1.9	27.1	–	–	–
Sales support, n.e.c.	9.13	4.3	40.1	9.13	4.3	40.1	–	–	–
Administrative support, including clerical									
Supervisors, general office	13.25	6.1	39.8	13.64	6.7	39.8	–	–	–
Supervisors, financial records processing	16.43	5.5	40.3	16.43	5.5	40.3	–	–	–
Supervisors, distribution, scheduling, and adjusting clerks	19.90	10.2	38.3	17.36	14.9	33.0	–	–	–
Secretaries	11.01	1.6	38.2	11.35	2.0	37.9	9.41	3.2	39.7
Typists	9.30	6.2	39.9	10.00	3.4	39.9	–	–	–
Interviewers	8.54	7.7	34.9	9.46	5.3	32.0	–	–	–
Hotel clerks	6.60	.0	36.8	6.60	.0	36.8	–	–	–
Receptionists	7.77	4.5	37.3	7.82	4.9	37.1	–	–	–
Information clerks, n.e.c.	8.80	2.2	38.1	8.80	2.2	38.1	–	–	–
Order clerks	8.40	3.3	36.7	8.40	3.3	36.7	–	–	–
Personnel clerks, except payroll and timekeeping ...	12.02	4.9	36.9	12.02	4.9	36.9	–	–	–
Library clerks	6.87	4.2	27.7	6.50	7.3	23.2	–	–	–
File clerks	9.46	10.0	39.6	9.58	10.0	39.6	–	–	–

See footnotes at end of table.

Table 8-8. East South Central census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1997–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									
Records clerks, n.e.c.	–	–	–	\$10.50	11.4	36.4	–	–	–
Bookkeepers, accounting and auditing clerks	–	–	–	10.72	.3	39.8	–	–	–
Payroll and timekeeping clerks	\$10.15	5.5	39.8	10.11	6.0	39.8	–	–	–
Billing clerks	10.33	3.4	33.1	10.09	5.1	30.7	–	–	–
Telephone operators	9.86	4.2	35.9	9.86	4.2	35.9	–	–	–
Mail clerks, except postal service	10.20	6.6	36.3	10.72	4.7	35.9	–	–	–
Dispatchers	10.48	6.7	37.5	11.48	6.4	38.5	–	–	–
Production coordinators	12.53	6.6	40.0	12.53	6.6	40.0	–	–	–
Traffic, shipping and receiving clerks	13.16	13.3	31.1	–	–	–	–	–	–
Stock and inventory clerks	9.88	3.5	37.5	9.61	3.7	39.2	–	–	–
Meter readers	13.75	4.7	40.0	13.75	4.7	40.0	–	–	–
Material recording, scheduling, and distribution clerks, n.e.c.	11.00	12.6	39.6	12.47	13.0	39.4	–	–	–
Insurance adjusters, examiners, and investigators ..	15.18	15.7	40.0	15.18	15.7	40.0	–	–	–
Investigators and adjusters, except insurance	10.26	2.4	37.0	10.33	2.0	36.9	–	–	–
Eligibility clerks, social welfare	10.34	4.4	39.4	10.22	5.7	39.9	–	–	–
General office clerks	9.49	2.5	37.8	9.57	3.1	37.2	\$9.20	4.2	40.0
Bank tellers	8.11	2.4	36.9	8.13	2.6	37.5	–	–	–
Data entry keyers	8.23	2.5	35.0	8.06	3.4	35.0	–	–	–
Teachers' aides	7.78	3.4	33.7	7.98	2.9	31.7	–	–	–
Administrative support, n.e.c.	9.54	7.4	39.6	10.48	1.3	39.3	–	–	–
Blue collar	11.21	3.7	39.4	12.10	.6	39.1	10.33	7.1	39.7
Precision production, craft, and repair	13.69	9.0	40.0	15.40	1.7	40.0	11.78	13.1	40.0
Supervisors, mechanics and repairers	19.61	2.5	40.0	19.61	2.5	40.0	–	–	–
Automobile mechanics	13.66	7.7	40.1	13.66	7.7	40.1	–	–	–
Bus, truck, and stationary engine mechanics	11.67	9.6	40.4	11.67	9.6	40.4	–	–	–
Heavy equipment mechanics	13.67	8.7	40.0	12.16	9.3	40.0	–	–	–
Industrial machinery repairers	16.80	2.8	40.1	17.69	.8	40.1	–	–	–
Machinery maintenance	10.33	4.6	40.0	10.78	4.7	40.1	–	–	–
Electronic repairers, communications and industrial equipment	14.88	7.9	40.0	14.88	8.0	40.0	–	–	–
Telephone line installers and repairers	14.88	9.4	40.0	14.17	8.0	40.0	–	–	–
Heating, air conditioning, and refrigeration mechanics	11.03	13.0	39.5	11.06	13.4	39.6	–	–	–
Mechanics and repairers, n.e.c.	12.95	3.8	40.3	15.07	1.8	40.4	9.40	2.4	39.9
Supervisors, electricians and power transmission installers	22.47	2.9	40.1	23.04	2.7	40.1	–	–	–
Supervisors, construction trades, n.e.c.	17.59	4.2	42.4	19.38	.7	44.1	15.23	2.3	40.3
Carpenters	14.75	7.4	40.0	13.45	.8	40.0	–	–	–
Electricians	16.24	4.6	40.0	17.35	3.3	40.0	–	–	–
Electrical power installers and repairers	16.88	4.8	40.0	17.01	5.2	40.0	–	–	–
Plumbers, pipefitters and steamfitters	15.90	9.1	40.0	15.90	9.1	40.0	–	–	–
Construction trades, n.e.c.	12.84	5.9	35.9	13.65	6.4	34.7	–	–	–
Supervisors, production	18.10	2.3	41.0	18.35	2.3	41.4	–	–	–
Machinists	–	–	–	14.49	1.3	40.0	–	–	–
Electrical and electronic equipment assemblers	–	–	–	7.56	8.4	39.2	–	–	–
Butchers and meat cutters	11.27	7.2	40.0	10.77	5.0	40.0	–	–	–
Inspectors, testers, and graders	13.89	3.3	35.7	13.89	3.3	35.7	–	–	–
Water and sewer treatment plant operators	11.22	10.5	40.0	12.82	1.6	40.0	–	–	–
Power plant operators	17.31	1.9	40.0	17.31	1.9	40.0	–	–	–
Miscellaneous plant and system operators, n.e.c. ...	18.12	2.8	40.0	18.12	2.8	40.0	–	–	–
Machine operators, assemblers, and inspectors	10.84	4.0	39.9	11.62	1.8	39.7	10.19	8.3	40.1
Punching and stamping press operators	9.97	4.9	40.0	9.97	4.9	40.0	–	–	–
Fabricating machine operators, n.e.c.	9.64	1.8	39.8	9.80	1.1	39.7	–	–	–
Printing press operators	13.80	4.7	37.5	13.80	4.7	37.5	–	–	–
Textile sewing machine operators	7.71	12.6	40.0	6.90	14.8	40.0	–	–	–
Laundering and dry cleaning machine operators	6.57	3.3	37.9	6.63	3.9	38.5	–	–	–
Packaging and filling machine operators	–	–	–	9.42	6.7	40.0	–	–	–

See footnotes at end of table.

Table 8-8. East South Central census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1997–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									
Mixing and blending machine operators	\$13.64	4.1	41.1	\$14.78	3.1	40.0	–	–	–
Painting and paint spraying machine operators	–	–	–	12.10	4.7	40.0	–	–	–
Furnace, kiln, and oven operators, except food	11.39	7.9	40.0	13.42	11.4	40.0	–	–	–
Slicing and cutting machine operators	11.67	15.0	39.9	12.41	4.2	39.5	–	–	–
Photographic process machine operators	12.95	23.7	40.0	12.95	23.7	40.0	–	–	–
Miscellaneous machine operators, n.e.c.	12.97	15.7	40.0	12.78	4.3	40.0	\$13.06	23.3	40.0
Welders and cutters	12.73	8.4	39.6	12.73	8.4	39.6	–	–	–
Assemblers	11.22	5.5	39.7	11.78	6.0	39.6	–	–	–
Miscellaneous hand working, n.e.c.	7.41	6.4	40.0	7.25	11.2	40.0	–	–	–
Production inspectors, checkers and examiners	8.81	23.4	40.1	12.96	13.4	40.3	–	–	–
Production testers	15.16	8.7	40.1	15.16	8.7	40.1	–	–	–
Transportation and material moving	12.42	6.0	41.0	11.96	2.3	42.5	13.29	15.6	38.4
Truck drivers	12.40	3.8	44.7	11.71	4.5	44.9	14.87	3.1	44.0
Driver-sales workers	11.16	5.7	40.2	11.16	5.7	40.2	–	–	–
Bus drivers	10.25	8.4	24.8	11.62	5.9	29.2	8.98	7.0	21.8
Motor transportation, n.e.c.	11.46	18.7	40.0	11.53	20.8	40.0	–	–	–
Marine engineers	11.68	21.2	57.9	11.68	21.2	57.9	–	–	–
Supervisors, material moving equipment	–	–	–	19.75	2.9	40.0	–	–	–
Excavating and loading machine operators	12.67	10.9	39.5	–	–	–	–	–	–
Grader, dozer, and scrapper operators	8.33	2.7	40.0	–	–	–	–	–	–
Industrial truck and tractor equipment operators	9.87	3.1	40.0	10.26	1.1	40.0	–	–	–
Miscellaneous material moving equipment operators, n.e.c.	11.66	7.4	33.3	11.69	7.8	33.0	–	–	–
Handlers, equipment cleaners, helpers, and laborers ...	8.55	1.1	37.5	8.81	.5	35.6	8.34	2.2	39.3
Groundskeepers and gardeners, except farm	–	–	–	8.63	9.5	40.0	–	–	–
Supervisors, handlers, equipment cleaners, and laborers, n.e.c.	12.39	5.2	40.7	12.75	5.0	40.9	–	–	–
Helpers, mechanics and repairers	10.58	4.6	39.9	10.72	4.2	39.8	–	–	–
Helpers, construction trades	9.66	1.7	40.0	9.66	1.7	40.0	–	–	–
Construction laborers	8.19	3.7	39.6	7.73	4.0	39.5	–	–	–
Production helpers	8.74	12.0	39.6	10.13	2.6	38.0	–	–	–
Stock handlers and baggers	7.51	3.3	33.3	7.44	3.3	30.1	7.58	5.9	38.0
Machine feeders and offbearers	9.70	6.2	39.7	8.87	.5	38.9	–	–	–
Freight, stock, and material handlers, n.e.c.	9.62	3.8	36.1	10.28	2.8	32.1	9.06	7.1	40.5
Vehicle washers and equipment cleaners	7.96	6.6	22.8	8.11	7.0	30.9	–	–	–
Hand packers and packagers	7.09	4.7	36.5	7.35	7.4	33.0	–	–	–
Laborers, except construction, n.e.c.	8.18	3.8	39.2	8.56	4.9	38.9	7.32	2.0	40.0
Service	7.57	.7	36.3	7.92	1.5	33.4	–	–	–
Protective service	10.31	2.9	40.3	11.60	2.3	40.3	–	–	–
Supervisors, firefighters and fire prevention	14.18	6.5	52.4	15.31	1.7	51.5	–	–	–
Supervisors, police and detectives	17.24	6.3	40.2	17.83	5.8	40.2	–	–	–
Firefighting	10.02	2.2	52.0	10.20	2.3	52.6	–	–	–
Police and detectives, public service	13.93	3.5	37.4	13.99	3.2	36.9	–	–	–
Sheriffs, bailiffs, and other law enforcement officers	11.92	1.9	39.6	13.16	2.9	38.6	11.24	2.0	40.2
Correctional institution officers	10.47	3.2	39.8	10.94	2.0	39.8	–	–	–
Guards and police, except public service	–	–	–	7.52	2.5	37.0	–	–	–
Protective service, n.e.c.	8.98	3.9	35.6	9.55	2.9	34.3	–	–	–
Food service	5.76	1.7	36.1	6.49	2.8	30.7	–	–	–
Supervisors, food preparation and service	9.17	6.1	39.4	9.88	5.3	39.2	–	–	–
Bartenders	5.92	10.3	37.1	–	–	–	–	–	–
Waiters and waitresses	–	–	–	2.71	3.7	27.1	–	–	–
Cooks	6.99	3.6	32.6	7.71	2.1	33.2	5.96	.9	31.7
Food counter, fountain, and related	5.65	2.4	26.6	5.66	2.6	28.4	–	–	–
Kitchen workers, food preparation	7.37	5.1	33.7	8.00	1.8	34.3	6.39	9.7	32.7
Waiters/Waitresses' assistants	5.47	4.3	22.4	5.55	4.4	23.3	–	–	–
Food preparation, n.e.c.	–	–	–	6.23	3.2	29.2	–	–	–

See footnotes at end of table.

Table 8-8. East South Central census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1997–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									
Health service	\$7.12	1.9	36.7	\$7.68	1.9	36.6	\$6.16	0.9	36.9
Health aides, except nursing	8.55	7.3	33.7	9.38	2.7	35.6	–	–	–
Nursing aides, orderlies and attendants	6.85	1.4	37.3	7.31	1.0	36.8	6.11	1.3	38.2
Cleaning and building service	7.83	1.2	37.6	7.80	2.3	35.2	–	–	–
Supervisors, cleaning and building service workers	–	–	–	10.89	4.6	39.7	–	–	–
Maids and housemen	5.90	1.9	38.5	6.18	2.3	37.6	–	–	–
Janitors and cleaners	7.51	.0	34.7	7.58	.6	34.3	7.19	.8	36.4
Personal service	–	–	–	7.04	2.3	27.0	–	–	–
Supervisors, personal service	–	–	–	9.32	4.6	26.8	–	–	–
Attendants, amusement, and recreation facilities	–	–	–	6.79	4.0	22.4	–	–	–
Baggage porters and bellhops	6.62	1.6	31.3	6.62	1.6	31.3	–	–	–
Early childhood teachers' assistants	7.38	2.8	32.2	7.38	4.7	27.7	–	–	–
Child care workers, n.e.c.	6.92	2.5	31.7	6.70	4.2	28.1	–	–	–
Service, n.e.c.	–	–	–	6.62	7.0	25.3	–	–	–

¹ The East South Central census division consists of Kentucky, Tennessee, Alabama, and Mississippi.

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 1996 and May 1998. The average reference period was December 1997.

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 8-9. West South Central census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1997

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	\$13.82	1.0	37.2	\$14.13	1.2	37.2	\$11.88	4.0	37.3
All excluding sales	13.94	1.0	37.5	14.27	1.1	37.5	11.97	4.0	37.6
White collar	17.23	1.6	37.6	17.45	1.8	37.7	15.30	3.0	37.1
White collar excluding sales	17.99	1.5	38.3	18.25	1.7	38.4	15.79	3.0	37.9
Professional specialty and technical	20.57	1.8	37.7	21.07	1.9	37.7	17.42	3.1	37.5
Professional specialty	22.36	2.0	37.6	23.01	1.8	37.7	18.47	4.7	37.4
Engineers, architects, and surveyors	28.98	2.0	40.9	29.09	1.9	40.9	27.16	14.3	40.0
Petroleum engineers	35.20	7.2	40.8	34.55	8.0	40.9	-	-	-
Chemical engineers	29.19	5.7	40.9	29.19	5.7	40.9	-	-	-
Civil engineers	29.96	8.9	42.4	29.97	9.0	42.4	-	-	-
Electrical and electronic engineers	29.30	1.8	40.6	29.30	1.8	40.6	-	-	-
Industrial engineers	22.50	4.5	41.6	23.30	4.4	41.9	-	-	-
Mechanical engineers	25.95	4.2	41.4	25.95	4.2	41.4	-	-	-
Engineers, n.e.c.	30.30	3.2	40.8	30.48	3.2	40.8	-	-	-
Mathematical and computer scientists	25.25	2.7	40.3	25.61	2.4	40.4	-	-	-
Computer systems analysts and scientists	25.45	2.6	40.3	25.85	2.1	40.3	-	-	-
Operations and systems researchers and analysts	23.76	5.2	41.6	23.76	5.2	41.6	-	-	-
Natural scientists	24.39	8.7	40.1	24.86	9.1	40.1	-	-	-
Chemists, except biochemists	22.37	12.0	40.0	22.37	12.0	40.0	-	-	-
Geologists and geodesists	35.02	9.4	40.3	35.87	9.6	40.3	-	-	-
Physical scientists, n.e.c.	18.64	9.1	40.0	19.37	10.3	40.0	-	-	-
Biological and life scientists	25.75	23.3	40.3	25.75	23.3	40.3	-	-	-
Medical scientists	13.33	5.1	39.6	13.33	5.1	39.6	-	-	-
Health related	19.45	2.1	36.4	19.93	2.2	36.3	16.49	3.3	37.6
Physicians	29.49	33.0	45.3	29.49	33.0	45.3	-	-	-
Registered nurses	18.96	1.7	36.3	19.33	1.8	36.2	16.86	2.8	37.0
Pharmacists	24.43	3.4	38.3	24.43	3.4	38.3	-	-	-
Dietitians	13.74	12.6	38.9	16.14	7.5	38.1	-	-	-
Respiratory therapists	16.37	3.3	34.3	15.81	2.0	32.9	-	-	-
Occupational therapists	17.67	19.6	36.5	17.67	19.6	36.5	-	-	-
Physical therapists	23.43	5.7	37.6	23.43	5.7	37.6	-	-	-
Speech therapists	22.04	6.2	36.5	23.58	2.4	35.8	-	-	-
Therapists, n.e.c.	15.26	7.7	33.2	15.41	10.8	31.3	-	-	-
Teachers, college and university	30.15	4.3	32.4	30.78	4.5	32.4	24.51	3.7	32.1
Mathematical science teachers	28.29	10.4	33.5	31.48	7.9	30.4	-	-	-
Computer science teachers	23.29	2.2	16.7	-	-	-	-	-	-
Medical science teachers	37.91	12.5	37.6	37.91	12.5	37.6	-	-	-
Health specialties teachers	25.60	15.5	34.8	25.60	15.5	34.8	-	-	-
Business, commerce, and marketing teachers	25.31	15.9	37.2	25.31	15.9	37.2	-	-	-
Trade and industrial teachers	20.94	17.5	35.2	17.08	17.3	32.6	-	-	-
Teachers, post secondary, subject not specified	44.14	11.9	29.3	44.60	11.9	32.6	-	-	-
Teachers, post secondary, n.e.c.	25.79	2.4	32.3	25.67	2.8	32.0	-	-	-
Teachers, except college and university	21.55	2.2	36.9	22.25	1.2	36.8	19.40	7.2	37.1
Prekindergarten and kindergarten	19.71	10.9	37.3	19.33	12.3	37.1	-	-	-
Elementary school teachers	21.71	2.2	38.3	22.42	1.3	38.2	19.49	7.4	38.4
Secondary school teachers	21.97	3.4	38.6	23.24	1.1	38.5	19.61	8.5	38.7
Teachers, special education	22.39	2.0	36.9	22.13	2.1	36.8	-	-	-
Teachers, n.e.c.	21.23	5.6	35.3	22.07	3.7	36.2	-	-	-
Substitute teachers	6.24	4.7	13.0	6.49	4.3	13.8	-	-	-
Vocational and educational counselors	23.42	5.0	37.7	23.36	5.1	37.7	-	-	-
Librarians, archivists, and curators	16.07	13.5	38.9	18.45	6.4	38.6	-	-	-
Librarians	16.20	15.5	38.7	19.05	7.0	38.3	-	-	-
Social scientists and urban planners	18.87	5.9	38.7	18.58	5.9	38.9	-	-	-
Economists	17.88	11.9	40.1	17.88	11.9	40.1	-	-	-
Psychologists	22.91	3.2	36.0	22.61	3.7	36.3	-	-	-
Urban planners	22.23	7.0	39.4	22.23	7.0	39.4	-	-	-
Social, recreation, and religious workers	12.48	1.8	39.5	12.69	1.6	39.5	11.63	5.1	39.8
Social workers	12.63	1.7	39.6	12.82	1.5	39.5	11.88	5.8	40.0
Recreation workers	10.39	9.5	36.1	11.05	12.5	35.3	-	-	-
Lawyers and judges	34.55	6.4	38.2	34.59	6.7	38.2	-	-	-
Lawyers	33.92	6.9	38.3	34.18	6.9	38.3	-	-	-
Judges	41.06	1.6	37.7	41.11	2.5	36.6	-	-	-

See footnotes at end of table.

Table 8-9. West South Central census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1997–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.	\$19.34	3.7	37.5	\$19.45	3.7	37.4	–	–	–
Technical writers	20.98	9.2	39.4	20.98	9.2	39.4	–	–	–
Designers	17.30	13.8	38.3	17.30	13.8	38.3	–	–	–
Actors and directors	21.55	34.1	39.1	21.55	34.1	39.1	–	–	–
Painters, sculptors, craft artists, and artist printmakers	12.14	8.8	40.0	–	–	–	–	–	–
Editors and reporters	18.49	6.0	40.3	18.49	6.0	40.3	–	–	–
Public relations specialists	21.49	9.6	35.5	21.49	9.6	35.5	–	–	–
Professional, n.e.c.	23.62	5.9	37.4	23.81	5.9	37.4	–	–	–
Technical	15.34	2.6	37.9	15.57	2.9	38.0	\$13.64	9.1	37.6
Clinical laboratory technologists and technicians	13.38	3.6	37.5	13.11	3.9	37.3	–	–	–
Health record technologists and technicians	10.74	5.5	38.3	10.74	5.6	38.2	–	–	–
Radiological technicians	14.88	3.0	37.6	15.51	3.4	39.6	–	–	–
Licensed practical nurses	11.91	2.7	37.4	12.36	3.2	37.6	10.29	2.0	36.6
Health technologists and technicians, n.e.c.	11.80	4.8	35.7	11.65	5.3	35.2	–	–	–
Electrical and electronic technicians	16.44	6.2	39.9	16.56	6.4	39.9	–	–	–
Mechanical engineering technicians	20.24	20.6	42.3	20.24	20.6	42.3	–	–	–
Engineering technicians, n.e.c.	16.49	6.4	39.8	16.81	6.4	39.8	–	–	–
Drafters	16.37	7.1	40.1	16.54	7.1	40.2	–	–	–
Surveying and mapping technicians	14.43	9.8	40.0	14.43	9.8	40.0	–	–	–
Biological technicians	12.63	9.1	40.0	12.65	11.3	40.0	–	–	–
Chemical technicians	17.15	8.1	40.2	17.15	8.1	40.2	–	–	–
Science technicians, n.e.c.	17.45	11.6	40.0	17.45	11.6	40.0	–	–	–
Airplane pilots and navigators	46.37	18.1	27.0	57.43	14.0	22.2	–	–	–
Computer programmers	19.02	4.4	40.6	19.02	4.4	40.6	–	–	–
Legal assistants	14.95	4.0	39.9	14.95	4.0	39.9	–	–	–
Technical and related, n.e.c.	15.00	6.3	38.8	15.00	6.3	38.8	–	–	–
Executive, administrative, and managerial	26.16	1.6	40.5	26.50	1.7	40.7	22.22	6.0	38.3
Executives, administrators, and managers	29.65	2.0	40.6	30.17	2.0	40.9	24.11	6.5	37.7
Legislators	5.17	28.6	37.4	5.17	28.6	37.4	–	–	–
Administrators and officials, public administration ...	24.85	7.3	38.5	25.47	7.4	40.3	–	–	–
Financial managers	28.96	4.9	41.4	29.04	4.9	41.4	–	–	–
Personnel and labor relations managers	29.54	7.5	40.3	29.05	8.9	40.7	–	–	–
Purchasing managers	29.29	6.6	40.9	28.43	7.8	41.1	–	–	–
Managers, marketing, advertising, and public relations	33.91	5.1	40.7	33.91	5.1	40.7	–	–	–
Administrators, education and related fields	28.49	4.2	39.8	29.52	4.5	40.3	25.34	9.6	38.3
Managers, medicine and health	23.89	5.2	39.9	25.34	3.1	39.9	–	–	–
Managers, food servicing and lodging establishments	17.44	17.5	40.3	17.44	17.5	40.3	–	–	–
Managers, properties and real estate	23.47	28.3	39.8	23.47	28.3	39.8	–	–	–
Managers, service organizations, n.e.c.	20.54	12.6	39.5	20.54	12.6	39.5	–	–	–
Managers and administrators, n.e.c.	33.60	2.8	41.4	34.29	2.4	41.5	25.19	9.0	40.6
Management related	20.59	1.9	40.4	20.76	2.1	40.4	18.16	8.6	39.6
Accountants and auditors	20.48	3.4	40.5	20.43	3.4	40.5	–	–	–
Underwriters	18.10	12.2	41.1	18.10	12.2	41.1	–	–	–
Other financial officers	25.20	5.5	41.4	25.16	5.8	41.5	–	–	–
Management analysts	26.04	7.2	40.3	26.04	7.2	40.3	–	–	–
Personnel, training, and labor relations specialists ..	18.65	5.5	40.8	18.48	4.9	40.9	–	–	–
Buyers, wholesale and retail trade, except farm products	22.69	23.6	41.1	22.69	23.6	41.1	–	–	–
Purchasing agents and buyers, n.e.c.	20.52	7.0	41.4	20.52	7.0	41.4	–	–	–
Construction inspectors	14.54	9.4	40.0	17.12	7.3	40.0	–	–	–
Inspectors and compliance officers, except construction	18.44	5.7	40.0	18.48	3.3	40.0	–	–	–
Management related, n.e.c.	19.59	3.6	39.3	20.03	3.2	39.4	–	–	–
Sales	12.25	3.5	33.7	12.45	3.8	34.0	8.86	5.8	29.6

See footnotes at end of table.

Table 8-9. West South Central census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1997—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									
Supervisors, sales	\$18.27	4.4	42.0	\$18.61	4.4	42.1	—	—	—
Securities and financial services sales	12.38	4.1	39.1	12.38	4.1	39.1	—	—	—
Advertising and related sales	19.59	10.3	42.0	19.59	10.3	42.0	—	—	—
Sales, other business services	16.64	7.0	39.6	16.64	7.0	39.6	—	—	—
Sales engineers	26.13	6.1	43.2	26.13	6.1	43.2	—	—	—
Sales representatives, mining, manufacturing, and wholesale	17.92	11.5	41.2	17.92	11.5	41.2	—	—	—
Sales workers, motor vehicles and boats	16.39	6.1	45.6	16.39	6.1	45.6	—	—	—
Sales workers, apparel	8.01	12.2	23.5	8.01	12.2	23.5	—	—	—
Sales workers, furniture and home furnishings	12.75	16.2	28.3	12.75	16.2	28.3	—	—	—
Sales workers, radio, tv, hi-fi, and appliances	10.53	15.8	37.5	10.53	15.8	37.5	—	—	—
Sales workers, hardware and building supplies	9.55	10.7	36.1	9.55	10.7	36.1	—	—	—
Sales workers, parts	11.95	7.9	40.7	11.95	7.9	40.7	—	—	—
Sales workers, other commodities	11.06	6.7	33.2	11.18	7.0	33.2	—	—	—
Sales counter clerks	7.43	6.3	32.9	7.46	6.4	34.6	—	—	—
Cashiers	6.72	2.4	28.5	6.64	1.5	28.8	\$7.27	9.7	27.0
Demonstrators, promoters, and models, sales	11.24	7.4	33.0	11.24	7.4	33.0	—	—	—
Sales support, n.e.c.	12.97	8.5	40.8	12.97	8.5	40.8	—	—	—
Administrative support, including clerical									
Supervisors, general office	10.30	1.3	38.0	10.37	1.3	38.0	9.51	7.9	38.4
Supervisors, financial records processing	13.65	2.0	39.7	13.66	2.0	39.8	—	—	—
Supervisors, distribution, scheduling, and adjusting clerks	16.77	4.1	41.2	16.77	4.1	41.2	—	—	—
Computer operators	15.39	5.9	40.8	15.39	5.9	40.8	—	—	—
Secretaries	11.60	3.6	38.7	11.60	3.6	38.7	—	—	—
Stenographers	11.27	2.2	39.1	11.66	1.3	39.0	8.99	10.6	39.4
Typists	14.93	6.5	39.9	14.93	6.5	39.9	—	—	—
Interviewers	9.22	3.1	37.0	9.36	3.4	36.8	—	—	—
Hotel clerks	8.82	9.8	38.6	9.15	10.7	38.4	—	—	—
Transportation ticket and reservation agents	6.87	4.0	38.2	6.87	4.0	38.2	—	—	—
Receptionists	11.58	10.0	37.2	11.58	10.0	37.2	—	—	—
Information clerks, n.e.c.	7.98	2.1	36.7	8.09	1.9	36.9	—	—	—
Correspondence clerks	9.52	4.5	39.1	9.53	4.5	39.2	—	—	—
Order clerks	12.74	10.5	39.5	12.74	10.5	39.5	—	—	—
Personnel clerks, except payroll and timekeeping ...	10.45	5.4	38.5	10.64	5.8	38.4	—	—	—
Library clerks	10.62	4.1	35.3	10.62	4.1	35.3	—	—	—
File clerks	7.99	4.6	31.9	8.71	3.1	28.5	—	—	—
Records clerks, n.e.c.	8.43	6.9	37.1	8.43	6.9	37.1	—	—	—
Bookkeepers, accounting and auditing clerks	9.26	2.2	38.2	9.60	2.4	38.0	7.78	4.0	39.2
Payroll and timekeeping clerks	9.99	1.6	38.6	9.90	1.5	38.7	10.93	5.1	37.4
Billing clerks	11.26	6.2	40.0	11.26	6.2	40.0	—	—	—
Cost and rate clerks	11.10	5.3	39.7	11.22	5.4	39.6	—	—	—
Duplicating machine operators	11.78	14.6	39.7	11.78	14.6	39.7	—	—	—
Telephone operators	8.17	7.8	36.7	8.17	7.8	36.7	—	—	—
Mail clerks, except postal service	8.66	6.3	38.8	8.66	6.3	38.8	—	—	—
Messengers	8.20	3.7	36.9	8.20	3.7	36.9	—	—	—
Dispatchers	8.55	11.5	38.4	8.55	11.5	38.4	—	—	—
Production coordinators	10.97	8.7	39.4	11.51	10.1	40.6	—	—	—
Traffic, shipping and receiving clerks	12.90	4.1	39.7	13.13	4.5	39.6	—	—	—
Stock and inventory clerks	9.08	3.2	37.7	9.16	3.0	37.4	—	—	—
Meter readers	9.30	3.2	39.7	9.35	3.6	39.7	8.83	2.2	39.8
Weighers, measurers, checkers, and samplers	10.70	10.0	39.6	10.70	10.0	39.6	—	—	—
Expeditors	11.71	10.9	40.0	11.71	10.9	40.0	—	—	—
Material recording, scheduling, and distribution clerks, n.e.c.	13.29	10.6	40.0	13.29	10.6	40.0	—	—	—
Insurance adjusters, examiners, and investigators ..	13.77	13.9	39.1	11.22	7.1	38.8	—	—	—
Investigators and adjusters, except insurance	13.55	6.2	39.0	13.55	6.2	39.0	—	—	—
Eligibility clerks, social welfare	12.32	4.8	37.8	12.32	4.8	37.8	—	—	—
Bill and account collectors	8.78	2.9	39.8	8.78	2.9	39.8	—	—	—
General office clerks	10.95	3.6	38.6	11.07	3.8	40.0	—	—	—
	9.44	1.7	36.8	9.48	1.7	36.6	8.89	8.3	40.0

See footnotes at end of table.

Table 8-9. West South Central census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1997–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									
Bank tellers	\$7.73	2.6	28.2	\$7.75	2.9	27.5	–	–	–
Data entry keyers	8.92	3.1	37.4	8.91	3.2	37.4	–	–	–
Statistical clerks	9.55	9.2	38.7	10.41	5.6	38.6	–	–	–
Teachers' aides	8.06	1.2	38.2	8.03	1.2	38.2	\$8.26	4.3	38.7
Administrative support, n.e.c.	10.70	6.0	37.8	10.28	2.3	37.5	14.57	40.0	40.0
Blue collar	11.29	1.8	38.8	11.37	1.9	38.8	10.97	5.2	38.8
Precision production, craft, and repair									
Supervisors, mechanics and repairers	22.32	5.3	40.6	22.07	5.5	40.6	–	–	–
Automobile mechanics	15.06	4.2	42.9	15.22	4.4	43.0	–	–	–
Automobile mechanic apprentices	10.04	20.6	40.0	10.04	20.6	40.0	–	–	–
Bus, truck, and stationary engine mechanics	11.95	9.9	40.2	13.62	3.6	40.4	–	–	–
Aircraft engine mechanics	20.39	13.4	40.1	17.08	5.0	40.0	–	–	–
Automobile body and related repairers	15.28	12.6	41.4	15.28	12.6	41.4	–	–	–
Aircraft mechanics, except engine	17.02	10.1	40.4	17.02	10.1	40.4	–	–	–
Heavy equipment mechanics	14.04	9.4	40.6	14.13	9.7	40.4	–	–	–
Industrial machinery repairers	15.58	7.2	40.0	15.08	4.5	40.1	–	–	–
Machinery maintenance	10.55	4.5	40.0	11.08	7.8	40.0	–	–	–
Electronic repairers, communications and industrial equipment	16.77	6.4	38.4	16.77	6.4	38.4	–	–	–
Data processing equipment repairers	13.96	3.4	40.0	–	–	–	–	–	–
Telephone line installers and repairers	17.54	11.8	40.0	17.54	11.8	40.0	–	–	–
Telephone installers and repairers	15.29	17.0	40.0	15.29	17.0	40.0	–	–	–
Heating, air conditioning, and refrigeration mechanics	14.68	6.5	40.0	14.68	6.5	40.0	–	–	–
Millwrights	16.10	10.4	40.0	16.10	10.4	40.0	–	–	–
Mechanics and repairers, n.e.c.	14.46	3.3	38.6	14.19	3.5	39.5	16.77	14.9	32.1
Supervisors, carpenters and related workers	15.41	8.2	44.6	15.41	8.2	44.6	–	–	–
Supervisors, electricians and power transmission installers	17.91	14.3	40.0	19.93	8.2	40.0	–	–	–
Supervisors, plumbers, pipefitters, and steamfitters	15.59	7.1	40.5	15.59	7.1	40.5	–	–	–
Supervisors, construction trades, n.e.c.	13.51	10.1	40.8	14.65	10.4	41.1	–	–	–
Carpenters	12.75	7.2	38.6	12.90	7.6	38.5	–	–	–
Electricians	16.42	5.0	40.0	15.97	3.4	40.0	–	–	–
Electrician apprentices	9.01	3.8	40.0	9.01	3.8	40.0	–	–	–
Electrical power installers and repairers	18.80	9.7	40.0	21.93	1.2	40.0	–	–	–
Painters, construction and maintenance	10.65	4.4	40.0	10.65	4.4	40.0	–	–	–
Plumbers, pipefitters and steamfitters	14.14	4.7	40.3	14.54	4.5	40.3	–	–	–
Insulation workers	11.92	6.1	31.2	11.92	6.1	31.2	–	–	–
Structural metal workers	14.18	7.2	40.0	14.18	7.2	40.0	–	–	–
Construction trades, n.e.c.	11.22	5.4	40.0	11.31	5.8	40.0	–	–	–
Supervisors, extractive	17.15	13.8	39.0	–	–	–	–	–	–
Drillers, oil well	16.81	.6	41.3	16.81	.6	41.3	–	–	–
Mining, n.e.c.	19.76	3.9	40.2	–	–	–	20.12	3.2	40.1
Supervisors, production	18.30	3.5	40.4	18.92	3.6	40.5	–	–	–
Precision assemblers, metal	14.21	9.8	40.0	14.21	9.8	40.0	–	–	–
Machinists	15.68	5.2	39.1	15.68	5.2	39.1	–	–	–
Boilermakers	15.45	4.7	40.0	15.45	4.7	40.0	–	–	–
Sheet metal workers	12.93	7.8	40.0	12.93	7.8	40.0	–	–	–
Electrical and electronic equipment assemblers	8.84	3.4	40.0	8.87	5.7	40.0	–	–	–
Miscellaneous precision workers, n.e.c.	15.62	21.0	36.8	–	–	–	–	–	–
Bakers	7.23	4.0	39.4	7.43	6.6	38.9	–	–	–
Food batchmakers	7.54	8.2	36.2	7.54	8.2	36.2	–	–	–
Inspectors, testers, and graders	14.92	6.2	41.6	14.19	4.8	41.7	–	–	–
Water and sewer treatment plant operators	12.03	4.5	39.5	12.03	4.5	39.5	–	–	–
Power plant operators	18.44	5.7	40.0	18.44	5.7	40.0	–	–	–
Stationary engineers	13.99	7.1	40.0	13.99	7.1	40.0	–	–	–
Miscellaneous plant and system operators, n.e.c.	20.43	1.6	39.7	20.78	1.6	39.6	–	–	–
Machine operators, assemblers, and inspectors	9.50	3.0	39.5	9.57	2.7	39.4	9.25	10.0	39.8

See footnotes at end of table.

Table 8-9. West South Central census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1997–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									
Lathe and turning machine operators	\$10.54	9.0	40.0	\$10.54	9.0	40.0	–	–	–
Punching and stamping press operators	–	–	–	8.33	9.7	40.0	–	–	–
Grinding, abrading, buffing, and polishing machine operators	9.22	8.1	40.0	8.21	9.8	40.0	–	–	–
Numerical control machine operators	14.20	6.9	40.0	14.20	6.9	40.0	–	–	–
Fabricating machine operators, n.e.c.	11.37	7.1	40.0	11.11	9.1	40.0	–	–	–
Molding and casting machine operators	–	–	–	10.37	9.0	40.0	–	–	–
Printing press operators	12.43	7.0	40.5	12.43	7.0	40.5	–	–	–
Photoengravers and lithographers	15.47	7.9	41.1	15.47	7.9	41.1	–	–	–
Textile sewing machine operators	6.96	1.8	39.9	6.89	1.8	39.8	–	–	–
Pressing machine operators	7.11	5.5	39.8	7.11	5.5	39.8	–	–	–
Laundering and dry cleaning machine operators	6.54	3.5	39.6	6.64	3.5	39.7	–	–	–
Packaging and filling machine operators	7.87	8.9	40.0	9.31	4.3	40.0	\$7.20	11.3	40.0
Extruding and forming machine operators	12.44	8.0	40.1	12.44	8.0	40.1	–	–	–
Mixing and blending machine operators	9.70	8.2	40.0	9.70	8.2	40.0	–	–	–
Separating, filtering, and clarifying machine operators	13.56	2.6	40.4	13.56	2.6	40.4	–	–	–
Painting and paint spraying machine operators	10.27	8.4	40.0	10.27	8.4	40.0	–	–	–
Slicing and cutting machine operators	11.09	9.7	40.3	9.96	12.2	40.5	–	–	–
Photographic process machine operators	8.26	10.0	35.4	–	–	–	–	–	–
Miscellaneous machine operators, n.e.c.	9.38	3.0	39.7	9.44	3.6	39.5	9.24	5.6	40.0
Welders and cutters	11.63	3.3	40.1	11.60	3.4	40.1	–	–	–
Assemblers	10.59	10.2	39.3	10.50	10.8	39.3	–	–	–
Hand painting, coating, and decorating	8.89	6.1	40.0	8.89	6.1	40.0	–	–	–
Miscellaneous hand working, n.e.c.	8.76	7.3	33.1	8.17	7.1	31.3	–	–	–
Production inspectors, checkers and examiners	10.22	6.1	40.0	10.37	5.1	40.0	–	–	–
Production testers	8.25	11.5	39.9	10.03	10.1	39.8	–	–	–
Transportation and material moving	11.85	4.4	39.8	12.05	4.8	39.9	10.46	5.0	38.8
Supervisors, motor vehicle operators	11.89	11.6	42.0	13.90	7.0	43.5	–	–	–
Truck drivers	12.56	8.2	41.3	12.70	8.9	41.2	11.38	7.7	42.0
Driver-sales workers	11.55	3.9	45.7	11.55	3.9	45.7	–	–	–
Bus drivers	10.34	5.4	30.5	10.38	5.6	31.5	–	–	–
Taxicab drivers and chauffeurs	5.65	1.8	34.6	5.65	1.8	34.6	–	–	–
Motor transportation, n.e.c.	5.65	4.5	30.8	5.65	4.5	30.8	–	–	–
Ship captains and mates, except fishing boats	16.32	7.0	50.9	16.32	7.0	50.9	–	–	–
Sailors and deckhands	7.71	.8	55.5	7.71	.8	55.5	–	–	–
Supervisors, material moving equipment	17.40	10.9	48.9	17.80	11.0	50.2	–	–	–
Operating engineers	14.26	10.2	40.0	14.26	10.2	40.0	–	–	–
Crane and tower operators	12.54	9.7	42.5	12.54	9.7	42.5	–	–	–
Excavating and loading machine operators	10.38	6.8	40.7	10.38	6.8	40.7	–	–	–
Grader, dozer, and scrapper operators	9.74	5.6	40.1	11.10	5.1	40.3	9.19	5.3	40.0
Industrial truck and tractor equipment operators	10.29	4.7	39.2	9.76	4.2	39.0	–	–	–
Miscellaneous material moving equipment operators, n.e.c.	14.72	11.8	39.2	15.20	11.0	39.1	–	–	–
Handlers, equipment cleaners, helpers, and laborers ...	7.89	1.3	36.3	7.87	1.3	36.2	7.95	3.6	36.7
Supervisors, agriculture-related workers	10.76	20.1	38.7	10.76	20.1	38.7	–	–	–
Groundskeepers and gardeners, except farm	7.94	7.4	39.2	7.44	5.3	39.1	–	–	–
Animal caretakers, except farm	6.77	9.4	39.0	6.77	9.4	39.0	–	–	–
Supervisors, handlers, equipment cleaners, and laborers, n.e.c.	12.36	3.7	40.9	12.05	5.3	41.4	–	–	–
Helpers, mechanics and repairers	7.86	4.2	38.8	8.15	4.2	38.4	–	–	–
Helpers, construction trades	8.10	2.4	40.7	8.10	2.4	40.7	–	–	–
Construction laborers	7.31	2.3	40.0	7.40	2.4	40.0	–	–	–
Production helpers	8.22	4.6	39.6	8.21	4.7	39.6	–	–	–
Garbage collectors	8.11	9.2	33.3	8.11	9.2	33.3	–	–	–
Stevedores	14.87	15.5	40.0	14.87	15.5	40.0	–	–	–
Stock handlers and baggers	7.03	2.9	28.6	7.22	2.7	29.3	6.13	3.5	25.6
Machine feeders and offbearers	7.89	11.7	39.0	6.81	5.7	38.7	–	–	–

See footnotes at end of table.

Table 8-9. West South Central census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1997—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									
Freight, stock, and material handlers, n.e.c.	\$9.32	5.3	36.0	\$8.79	3.8	35.8	—	—	—
Garage and service station related	7.16	13.2	37.6	—	—	—	—	—	—
Vehicle washers and equipment cleaners	9.01	6.7	38.9	9.42	6.2	38.6	—	—	—
Hand packers and packagers	7.09	4.4	36.0	7.22	4.7	37.2	—	—	—
Laborers, except construction, n.e.c.	7.34	2.9	38.2	7.46	4.0	37.3	—	—	—
Service									
Protective service	7.52	1.3	33.5	7.64	1.2	33.3	\$6.88	3.1	34.6
Supervisors, firefighters and fire prevention	11.06	3.0	38.3	11.48	3.2	38.2	8.94	4.6	38.6
Supervisors, police and detectives	17.14	14.7	49.3	17.14	14.7	49.3	—	—	—
Supervisors, guards	16.01	8.6	40.1	17.38	8.2	40.2	—	—	—
Firefighting	13.98	13.2	39.8	15.37	13.4	39.8	—	—	—
Police and detectives, public service	11.72	4.9	47.3	12.15	3.7	49.8	—	—	—
Sheriffs, bailiffs, and other law enforcement officers	14.84	3.1	40.0	15.52	2.5	40.0	10.91	11.3	40.0
Correctional institution officers	13.27	5.0	39.6	14.53	3.5	39.4	—	—	—
Crossing guards	9.39	4.8	39.9	10.27	1.2	39.8	7.92	4.8	40.2
Guards and police, except public service	5.99	4.1	17.4	5.99	4.1	17.4	—	—	—
Protective service, n.e.c.	7.48	3.5	33.6	7.50	3.7	33.7	—	—	—
Food service	7.02	10.2	33.5	7.02	10.2	33.5	—	—	—
Supervisors, food preparation and service	5.91	1.5	31.7	5.85	1.5	31.6	6.32	6.0	32.5
Bartenders	10.51	4.0	38.2	10.15	3.8	37.9	—	—	—
Waiters and waitresses	5.05	6.8	29.9	5.05	6.8	29.9	—	—	—
Cooks	3.37	4.8	30.2	3.37	4.8	30.2	—	—	—
Food counter, fountain, and related	7.00	2.2	34.8	7.01	2.2	34.6	—	—	—
Kitchen workers, food preparation	5.80	2.4	29.9	5.80	2.2	27.0	—	—	—
Waiters/Waitresses' assistants	6.30	1.6	32.1	6.26	1.8	32.1	6.64	4.6	31.9
Food preparation, n.e.c.	4.90	5.4	30.3	4.83	5.5	30.0	—	—	—
Health service	6.03	1.8	30.8	6.20	1.8	32.0	5.31	2.1	26.6
Dental assistants	7.00	1.7	35.7	7.29	1.2	37.0	5.87	3.3	31.3
Health aides, except nursing	8.79	7.1	40.0	8.79	7.1	40.0	—	—	—
Nursing aides, orderlies and attendants	8.06	1.7	38.1	8.07	1.6	38.0	—	—	—
Cleaning and building service	6.62	2.2	34.8	6.95	1.6	36.5	5.54	2.1	30.3
Supervisors, cleaning and building service workers	6.70	1.8	34.7	6.70	1.7	34.1	6.67	6.8	37.4
Maid and housemen	10.07	4.9	38.1	10.18	5.2	37.9	—	—	—
Janitors and cleaners	5.64	2.2	35.9	5.74	1.9	36.2	—	—	—
Personal service	6.73	2.1	34.2	6.67	2.1	33.4	7.07	6.1	38.3
Attendants, amusement, and recreation facilities	6.90	7.3	26.9	7.05	8.0	26.1	5.98	4.9	33.1
Public transportation attendants	6.71	3.4	30.3	6.61	3.1	31.4	—	—	—
Baggage porters and bellhops	27.43	16.5	18.5	28.17	15.7	18.3	—	—	—
Welfare service aides	4.16	9.3	40.0	4.16	9.3	40.0	—	—	—
Early childhood teachers' assistants	5.12	4.1	24.5	5.05	3.6	23.1	—	—	—
Child care workers, n.e.c.	6.89	4.4	28.7	7.28	3.7	27.4	—	—	—
Service, n.e.c.	6.12	6.9	24.0	6.14	8.1	24.1	—	—	—
	6.67	4.7	32.3	6.67	4.7	32.3	—	—	—

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 1996 and May 1998. The average reference period was August 1997.

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 8-10. Mountain census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1997

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	\$14.04	1.9	36.5	\$14.17	2.4	36.4	\$13.51	2.4	36.6
All excluding sales	14.17	2.0	36.7	14.25	2.5	36.7	13.86	1.8	36.9
White collar	16.98	1.5	37.2	17.04	1.8	37.2	16.75	2.7	37.2
White collar excluding sales	17.71	1.5	37.7	17.68	1.8	37.7	17.85	2.4	37.8
Professional specialty and technical	21.58	1.3	36.9	21.47	.9	36.7	22.01	4.8	37.9
Professional specialty	23.22	1.4	37.1	23.14	1.0	36.8	23.50	5.1	38.0
Engineers, architects, and surveyors	26.41	3.7	41.0	28.34	1.4	41.1	21.02	3.5	40.8
Civil engineers	23.94	3.3	41.4	25.21	4.0	40.6	-	-	-
Electrical and electronic engineers	29.91	2.1	40.4	29.69	1.9	40.5	-	-	-
Industrial engineers	23.00	5.1	41.7	23.00	5.1	41.7	-	-	-
Mechanical engineers	21.84	7.0	40.4	25.42	2.9	41.1	-	-	-
Engineers, n.e.c.	28.91	7.6	41.6	32.71	3.7	42.3	-	-	-
Mathematical and computer scientists	24.15	2.7	40.7	24.31	2.6	40.7	-	-	-
Computer systems analysts and scientists	25.13	2.8	40.7	25.36	2.7	40.7	-	-	-
Operations and systems researchers and analysts	19.51	7.6	40.7	19.51	7.6	40.7	-	-	-
Natural scientists	23.74	3.2	43.2	24.28	3.4	43.9	-	-	-
Chemists, except biochemists	23.63	11.0	47.6	23.63	11.0	47.6	-	-	-
Geologists and geodesists	22.43	17.2	40.6	23.07	20.7	40.7	-	-	-
Biological and life scientists	26.87	4.9	46.6	27.94	4.3	47.4	-	-	-
Medical scientists	16.99	10.2	33.1	16.99	10.2	33.1	-	-	-
Health related	21.78	5.5	34.9	20.56	2.2	34.8	27.06	23.1	35.1
Physicians	47.03	15.8	38.2	38.93	12.7	37.6	-	-	-
Registered nurses	18.91	2.4	34.5	18.61	1.9	34.6	20.11	5.8	34.1
Pharmacists	24.26	4.3	35.7	24.00	4.8	35.3	-	-	-
Dietitians	18.62	4.4	36.4	18.62	4.4	36.4	-	-	-
Respiratory therapists	14.90	3.9	31.3	14.90	3.9	31.3	-	-	-
Occupational therapists	22.66	3.4	34.9	22.66	3.4	34.9	-	-	-
Physical therapists	21.91	3.6	31.8	21.91	3.6	31.8	-	-	-
Speech therapists	16.56	14.0	36.5	13.77	13.8	36.2	-	-	-
Therapists, n.e.c.	18.74	11.2	37.5	18.74	11.2	37.5	-	-	-
Teachers, college and university	27.11	5.9	36.4	27.75	7.1	36.5	23.52	12.4	36.1
Computer science teachers	20.29	1.7	34.3	-	-	-	-	-	-
Business, commerce, and marketing teachers	28.12	3.6	40.2	27.80	2.8	40.4	-	-	-
English teachers	28.30	21.5	27.3	-	-	-	-	-	-
Teachers, post secondary, subject not specified	20.30	4.1	37.3	-	-	-	-	-	-
Teachers, post secondary, n.e.c.	34.56	3.2	35.4	34.56	3.2	35.4	-	-	-
Teachers, except college and university	23.12	1.4	35.5	23.40	1.9	34.1	22.68	2.0	37.8
Elementary school teachers	24.05	6.1	36.2	25.29	8.5	34.9	22.53	2.7	38.0
Secondary school teachers	24.50	1.7	36.9	25.26	2.0	36.2	23.11	2.1	38.3
Teachers, special education	17.59	3.2	39.1	15.24	7.8	38.6	-	-	-
Teachers, n.e.c.	18.21	3.7	27.6	18.21	3.7	27.6	-	-	-
Substitute teachers	10.73	12.1	18.5	9.11	1.7	19.0	-	-	-
Vocational and educational counselors	26.15	14.4	35.4	27.00	23.5	32.9	-	-	-
Librarians, archivists, and curators	17.36	12.1	38.9	19.18	8.4	38.7	-	-	-
Librarians	17.36	12.1	38.9	19.18	8.4	38.7	-	-	-
Social scientists and urban planners	19.96	7.5	38.3	18.40	6.5	37.6	-	-	-
Economists	19.36	12.8	41.7	19.90	15.4	42.2	-	-	-
Psychologists	19.95	9.1	37.4	17.61	7.6	36.2	-	-	-
Social, recreation, and religious workers	15.45	6.5	37.5	15.52	8.2	36.8	15.21	4.6	40.0
Social workers	15.54	7.1	37.5	15.65	9.2	36.7	15.21	4.6	40.0
Recreation workers	14.63	11.1	37.5	14.63	11.1	37.5	-	-	-
Lawyers and judges	35.84	10.3	42.5	31.25	5.1	43.4	-	-	-
Lawyers	31.23	5.1	44.1	31.23	5.1	44.1	-	-	-
Writers, authors, entertainers, athletes, and professionals, n.e.c.	19.46	6.9	34.9	19.46	6.9	34.9	-	-	-
Designers	17.95	7.4	40.1	17.95	7.4	40.1	-	-	-
Editors and reporters	17.76	2.1	38.7	17.76	2.1	38.7	-	-	-
Public relations specialists	27.40	16.4	25.6	27.40	16.4	25.6	-	-	-
Athletes	9.02	26.7	24.1	9.02	26.7	24.1	-	-	-
Professional, n.e.c.	25.96	5.0	35.7	25.96	5.0	35.7	-	-	-
Technical	16.59	2.1	36.5	16.88	2.4	36.3	14.94	3.2	37.4
Clinical laboratory technologists and technicians	13.33	3.4	38.2	13.14	3.4	38.2	-	-	-
Radiological technicians	12.87	3.3	34.6	12.87	3.3	34.6	-	-	-

See footnotes at end of table.

Table 8-10. Mountain census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1997–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									
Licensed practical nurses	\$12.46	2.4	33.6	\$12.65	2.4	33.9	\$11.83	5.2	32.6
Health technologists and technicians, n.e.c.	12.55	2.4	30.6	12.70	2.6	29.6	–	–	–
Electrical and electronic technicians	14.99	2.2	39.0	15.19	1.8	38.9	–	–	–
Engineering technicians, n.e.c.	17.10	3.2	39.0	17.98	1.9	38.8	–	–	–
Drafters	16.61	6.1	39.6	15.55	6.3	39.5	–	–	–
Surveying and mapping technicians	14.98	10.6	40.8	14.98	10.6	40.8	–	–	–
Biological technicians	15.23	3.5	39.0	15.64	1.2	38.9	–	–	–
Chemical technicians	16.41	7.7	40.0	16.41	7.7	40.0	–	–	–
Science technicians, n.e.c.	16.34	9.2	31.9	16.34	9.2	31.9	–	–	–
Airplane pilots and navigators	83.09	9.1	19.6	83.09	9.4	19.6	–	–	–
Computer programmers	21.22	12.1	41.9	21.22	12.1	41.9	–	–	–
Legal assistants	14.70	4.6	39.9	14.98	6.5	39.8	–	–	–
Technical and related, n.e.c.	16.77	6.2	40.1	15.60	5.4	40.1	–	–	–
Executive, administrative, and managerial									
Executives, administrators, and managers	24.22	2.4	41.1	24.35	2.9	41.4	23.69	3.5	39.9
Administrators and officials, public administration ...	26.58	2.7	41.7	27.11	3.2	42.1	24.89	5.5	40.4
Financial managers	22.52	6.7	41.3	25.04	5.8	42.7	20.14	8.2	40.0
Personnel and labor relations managers	26.49	4.4	41.0	24.35	6.1	41.6	30.65	6.0	40.0
Purchasing managers	29.23	6.0	40.5	29.23	6.0	40.5	–	–	–
Managers, marketing, advertising, and public relations	21.66	22.0	43.6	–	–	–	–	–	–
Administrators, education and related fields	28.64	6.0	43.6	28.65	6.3	43.8	–	–	–
Managers, medicine and health	31.82	8.2	40.4	31.15	12.1	40.7	–	–	–
Managers, food servicing and lodging establishments	25.14	15.6	39.3	28.86	8.2	39.5	–	–	–
Managers, service organizations, n.e.c.	18.79	8.4	44.5	18.79	8.4	44.5	–	–	–
Managers and administrators, n.e.c.	22.17	8.8	43.3	22.99	9.8	43.7	–	–	–
Management related	27.60	2.8	42.1	28.49	3.0	41.9	19.67	3.6	43.9
Accountants and auditors	19.73	2.1	40.0	19.87	2.3	40.3	18.55	7.7	37.7
Underwriters	15.79	11.9	40.1	16.07	14.7	40.1	–	–	–
Other financial officers	21.33	6.1	39.3	22.80	4.8	38.8	–	–	–
Management analysts	27.30	5.4	41.2	27.74	5.3	41.3	–	–	–
Personnel, training, and labor relations specialists ..	22.07	11.4	40.1	22.07	11.4	40.1	–	–	–
Purchasing agents and buyers, n.e.c.	19.29	2.6	41.1	19.54	2.3	41.1	–	–	–
Construction inspectors	20.19	6.5	39.9	20.19	6.5	39.9	–	–	–
Inspectors and compliance officers, except construction	20.22	6.9	40.0	20.22	6.9	40.0	–	–	–
Management related, n.e.c.	17.46	4.3	38.9	17.96	4.9	42.8	–	–	–
	19.61	4.6	39.3	18.87	3.8	39.2	–	–	–
Sales									
Supervisors, sales	12.47	5.1	34.1	13.23	3.8	34.3	8.62	11.6	33.1
Insurance sales	19.83	6.4	39.9	19.83	5.7	39.9	–	–	–
Real estate sales	23.35	12.6	39.4	23.35	12.6	39.4	–	–	–
Securities and financial services sales	22.40	28.2	41.8	22.40	28.2	41.8	–	–	–
Sales, other business services	26.69	35.5	39.4	26.69	35.5	39.4	–	–	–
Sales representatives, mining, manufacturing, and wholesale	15.46	4.4	38.0	15.46	4.4	38.0	–	–	–
Sales workers, motor vehicles and boats	20.45	5.0	41.7	20.89	4.5	41.9	–	–	–
Sales workers, apparel	16.42	9.3	43.7	16.42	9.3	43.7	–	–	–
Sales workers, radio, tv, hi-fi, and appliances	6.37	9.6	24.9	6.75	11.1	24.9	–	–	–
Sales workers, hardware and building supplies	17.28	15.2	42.0	17.28	15.2	42.0	–	–	–
Sales workers, parts	9.14	1.7	36.5	9.14	1.7	36.5	–	–	–
Sales workers, other commodities	13.52	19.3	34.3	13.52	19.3	34.3	–	–	–
Sales counter clerks	10.08	7.8	30.4	11.09	7.0	29.5	7.26	3.4	33.2
Cashiers	8.06	6.4	34.2	8.06	6.4	34.2	–	–	–
Sales support, n.e.c.	8.40	3.7	32.7	8.60	3.0	31.6	7.56	8.5	38.3
	12.68	14.0	38.2	12.98	13.6	38.1	–	–	–
Administrative support, including clerical									
Supervisors, general office	10.52	1.3	37.1	10.69	1.2	37.2	9.77	.9	36.7
	15.84	3.3	40.9	16.15	3.3	41.0	–	–	–

See footnotes at end of table.

Table 8-10. Mountain census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1997—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									
Supervisors, financial records processing	\$15.83	5.6	40.3	\$15.83	5.6	40.3	—	—	—
Supervisors, distribution, scheduling, and adjusting clerks	15.35	9.6	42.4	16.72	7.5	39.9	—	—	—
Computer operators	12.95	7.5	39.4	13.86	5.9	39.2	—	—	—
Secretaries	11.27	2.4	38.9	11.67	1.9	38.9	\$9.79	7.3	38.9
Stenographers	11.87	1.6	35.8	11.87	1.6	35.8	—	—	—
Typists	11.14	4.5	38.8	10.53	4.4	38.0	—	—	—
Interviewers	9.47	4.1	35.2	9.74	3.6	36.3	—	—	—
Hotel clerks	7.16	4.1	35.9	7.50	.6	40.0	—	—	—
Receptionists	7.68	1.5	35.3	7.65	1.8	34.5	—	—	—
Information clerks, n.e.c.	10.08	5.0	36.9	10.08	5.0	36.9	—	—	—
Correspondence clerks	11.36	6.8	36.5	11.36	6.8	36.5	—	—	—
Order clerks	8.54	1.7	37.8	8.54	1.7	37.8	—	—	—
Personnel clerks, except payroll and timekeeping ...	10.66	2.3	39.4	10.66	2.3	39.4	—	—	—
Library clerks	9.50	6.3	33.0	10.33	7.3	36.2	8.84	8.6	30.9
File clerks	7.90	7.8	36.2	7.98	7.9	36.9	—	—	—
Records clerks, n.e.c.	10.01	4.8	37.1	10.49	3.5	36.4	—	—	—
Bookkeepers, accounting and auditing clerks	10.72	2.2	38.2	10.71	2.3	38.1	—	—	—
Payroll and timekeeping clerks	10.64	8.5	40.0	12.13	5.5	40.0	—	—	—
Billing clerks	9.54	3.1	39.2	9.84	1.8	39.1	—	—	—
Cost and rate clerks	12.23	13.3	34.1	12.23	13.3	34.1	—	—	—
Office machine operators, n.e.c.	7.56	3.1	33.1	7.63	3.5	35.9	—	—	—
Mail clerks, except postal service	10.40	3.9	35.0	10.40	3.9	35.0	—	—	—
Dispatchers	10.93	8.9	38.3	12.81	8.4	36.5	—	—	—
Production coordinators	11.81	2.7	35.4	12.11	2.3	34.2	—	—	—
Traffic, shipping and receiving clerks	11.54	3.8	39.8	11.58	3.8	39.8	—	—	—
Stock and inventory clerks	11.55	4.9	37.8	11.42	2.9	37.2	11.85	14.1	39.1
Meter readers	12.62	2.7	40.0	12.62	2.7	40.0	—	—	—
Expeditors	10.10	10.7	37.6	10.10	10.7	37.6	—	—	—
Insurance adjusters, examiners, and investigators ..	13.51	6.5	39.1	13.34	7.7	38.9	—	—	—
Investigators and adjusters, except insurance	10.45	4.1	38.7	10.83	3.3	38.3	—	—	—
Eligibility clerks, social welfare	13.77	4.8	39.0	13.77	4.8	39.0	—	—	—
Bill and account collectors	10.36	5.5	38.9	10.55	5.3	38.9	—	—	—
General office clerks	10.21	3.1	36.2	10.00	4.6	35.2	10.73	4.2	38.8
Bank tellers	10.44	4.6	34.5	10.44	4.6	34.5	—	—	—
Data entry keyers	9.06	3.0	38.1	9.15	3.3	37.9	—	—	—
Statistical clerks	10.00	2.1	38.7	10.64	6.3	34.9	—	—	—
Teachers' aides	7.67	2.5	25.0	7.65	3.3	26.6	7.69	3.6	23.8
Administrative support, n.e.c.	9.98	3.7	36.7	10.08	4.1	36.5	—	—	—
Blue collar	12.09	2.5	38.0	12.29	2.3	37.9	11.18	8.7	38.4
Precision production, craft, and repair	15.28	2.9	39.9	15.42	2.8	39.8	14.34	11.3	40.2
Supervisors, mechanics and repairers	20.76	2.6	40.0	20.75	2.5	40.7	—	—	—
Automobile mechanics	20.30	10.1	40.1	20.30	10.1	40.1	—	—	—
Automobile mechanic apprentices	10.09	7.5	35.0	10.09	7.5	35.0	—	—	—
Bus, truck, and stationary engine mechanics	16.25	4.1	40.0	15.79	2.9	40.0	—	—	—
Aircraft engine mechanics	18.39	11.5	40.0	18.39	11.5	40.0	—	—	—
Heavy equipment mechanics	17.38	2.7	39.6	16.97	2.5	39.4	—	—	—
Industrial machinery repairers	17.10	3.0	40.0	17.25	2.9	40.0	—	—	—
Machinery maintenance	14.34	6.5	40.0	14.34	6.5	40.0	—	—	—
Electronic repairers, communications and industrial equipment	13.60	8.3	39.7	14.68	12.4	39.6	—	—	—
Data processing equipment repairers	13.77	8.0	40.0	13.77	8.0	40.0	—	—	—
Telephone installers and repairers	18.34	4.3	40.0	18.34	4.3	40.0	—	—	—
Heating, air conditioning, and refrigeration mechanics	16.83	3.6	40.0	16.83	3.6	40.0	—	—	—
Mechanics and repairers, n.e.c.	14.99	2.5	39.7	14.93	2.4	39.7	—	—	—
Supervisors, construction trades, n.e.c.	18.58	5.7	40.0	17.97	6.0	40.0	—	—	—
Carpenters	15.29	8.2	41.5	15.75	8.6	41.8	—	—	—
Electricians	15.70	10.1	39.7	15.47	10.8	39.7	—	—	—

See footnotes at end of table.

Table 8-10. Mountain census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1997—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	\$10.91	9.8	40.8	\$10.91	9.8	40.8	—	—	—
Plumbers, pipefitters and steamfitters	20.45	2.5	39.9	20.45	2.5	39.9	—	—	—
Construction trades, n.e.c.	15.97	7.0	36.1	16.24	6.7	35.8	—	—	—
Supervisors, production	18.42	4.1	41.6	19.12	2.1	40.8	—	—	—
Machinists	14.97	2.4	40.0	14.97	2.4	40.0	—	—	—
Sheet metal workers	11.91	9.9	40.0	11.91	9.9	40.0	—	—	—
Electrical and electronic equipment assemblers	8.68	3.3	40.0	8.90	4.7	40.0	—	—	—
Butchers and meat cutters	12.04	6.2	39.4	12.01	6.8	39.4	—	—	—
Bakers	9.73	6.6	38.8	9.98	9.2	38.1	—	—	—
Food batchmakers	8.74	10.1	35.5	8.74	10.1	35.5	—	—	—
Inspectors, testers, and graders	15.57	5.9	40.4	15.57	5.9	40.4	—	—	—
Machine operators, assemblers, and inspectors	9.70	2.3	39.4	10.08	1.6	39.3	\$8.36	5.8	39.4
Numerical control machine operators	—	—	—	12.70	7.9	40.0	—	—	—
Fabricating machine operators, n.e.c.	11.06	2.6	40.0	11.06	2.6	40.0	—	—	—
Molding and casting machine operators	9.37	1.8	35.4	9.37	1.8	35.4	—	—	—
Printing press operators	15.39	5.2	39.2	15.39	5.2	39.2	—	—	—
Photoengravers and lithographers	14.76	5.8	39.1	14.76	5.8	39.1	—	—	—
Laundering and dry cleaning machine operators	6.72	3.5	35.5	6.78	3.5	37.4	—	—	—
Packaging and filling machine operators	9.40	6.2	40.0	9.40	6.2	40.0	—	—	—
Extruding and forming machine operators	—	—	—	11.64	2.4	40.0	—	—	—
Mixing and blending machine operators	8.66	11.4	40.0	8.94	21.4	40.0	—	—	—
Painting and paint spraying machine operators	9.96	5.9	40.4	9.96	5.9	40.4	—	—	—
Photographic process machine operators	11.24	5.5	38.5	11.24	5.5	38.5	—	—	—
Miscellaneous machine operators, n.e.c.	10.69	2.5	39.7	10.91	2.2	39.6	—	—	—
Welders and cutters	14.46	7.8	40.4	13.44	5.6	40.6	—	—	—
Assemblers	8.11	3.1	39.4	8.33	3.2	39.2	—	—	—
Miscellaneous hand working, n.e.c.	10.44	5.1	40.0	10.44	5.1	40.0	—	—	—
Production inspectors, checkers and examiners	10.09	7.5	39.1	10.94	5.1	38.8	—	—	—
Transportation and material moving	12.69	6.4	37.2	12.40	4.7	36.9	13.46	17.9	37.8
Truck drivers	13.25	5.1	40.0	13.33	5.1	40.3	—	—	—
Bus drivers	10.97	4.6	27.8	10.90	5.2	29.4	—	—	—
Parking lot attendants	6.82	2.8	31.1	6.82	2.8	31.1	—	—	—
Motor transportation, n.e.c.	6.85	5.3	32.6	6.85	5.3	32.6	—	—	—
Supervisors, material moving equipment	16.63	6.8	40.0	16.93	9.2	40.0	—	—	—
Operating engineers	10.88	10.3	40.0	17.69	11.7	40.0	—	—	—
Grader, dozer, and scrapper operators	17.07	4.0	40.0	—	—	—	—	—	—
Industrial truck and tractor equipment operators	14.95	11.9	39.9	12.43	9.2	39.8	—	—	—
Miscellaneous material moving equipment operators, n.e.c.	14.17	11.4	39.6	13.44	2.9	39.1	—	—	—
Handlers, equipment cleaners, helpers, and laborers ...	9.02	2.0	34.8	9.11	2.1	34.6	8.56	4.1	36.0
Groundskeepers and gardeners, except farm	9.41	4.7	34.3	10.15	6.4	33.8	—	—	—
Supervisors, handlers, equipment cleaners, and laborers, n.e.c.	16.25	5.9	40.0	15.63	8.3	40.0	—	—	—
Helpers, mechanics and repairers	11.06	8.5	38.8	11.46	8.6	40.0	—	—	—
Helpers, construction trades	8.98	9.5	41.0	8.98	9.5	41.0	—	—	—
Construction laborers	11.50	5.9	39.0	11.47	6.2	39.1	—	—	—
Production helpers	8.41	4.2	39.7	8.68	4.8	39.4	—	—	—
Stock handlers and baggers	7.99	4.7	29.5	8.22	4.6	29.9	—	—	—
Machine feeders and offbearers	10.36	11.2	38.4	10.36	11.2	38.4	—	—	—
Freight, stock, and material handlers, n.e.c.	9.55	4.3	36.0	10.13	4.3	35.8	—	—	—
Garage and service station related	10.68	9.0	36.0	10.68	9.0	36.0	—	—	—
Vehicle washers and equipment cleaners	8.12	8.4	31.7	7.72	8.4	30.7	—	—	—
Hand packers and packagers	7.66	4.8	39.1	7.85	5.0	39.0	—	—	—
Laborers, except construction, n.e.c.	9.02	3.5	35.5	8.79	3.4	34.8	10.11	8.4	39.2
Service	8.15	1.3	33.3	8.17	1.7	33.2	8.06	2.2	33.9
Protective service	12.14	7.1	37.3	11.93	8.3	36.9	13.09	3.2	39.0

See footnotes at end of table.

Table 8-10. Mountain census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1997–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									
Supervisors, firefighters and fire prevention	\$20.99	11.5	49.9	\$20.99	11.5	49.9	–	–	–
Supervisors, police and detectives	19.96	7.9	41.2	20.92	10.7	41.8	–	–	–
Firefighting	14.03	4.3	47.7	14.45	4.8	48.5	–	–	–
Police and detectives, public service	18.85	6.5	39.3	20.55	4.2	39.1	\$13.65	2.8	40.0
Sheriffs, bailiffs, and other law enforcement officers	15.72	5.2	40.0	16.28	4.1	40.0	–	–	–
Correctional institution officers	11.80	5.6	40.0	10.97	3.3	40.0	–	–	–
Guards and police, except public service	7.36	4.3	34.9	7.27	3.9	34.9	–	–	–
Protective service, n.e.c.	11.99	12.7	26.6	12.73	13.6	26.1	–	–	–
Food service									
Supervisors, food preparation and service	10.97	6.4	36.6	11.24	5.5	36.7	6.11	1.6	31.4
Bartenders	6.22	8.6	32.3	6.24	9.3	32.5	–	–	–
Waiters and waitresses	3.80	10.3	29.9	3.60	15.7	28.7	4.46	3.5	34.9
Cooks	7.93	3.6	34.1	8.06	3.8	35.7	–	–	–
Food counter, fountain, and related	5.69	1.8	26.1	5.70	3.0	27.9	5.69	.6	23.8
Kitchen workers, food preparation	7.27	2.1	28.2	7.38	2.4	25.9	–	–	–
Waiters/Waitresses' assistants	4.94	4.5	32.6	4.95	5.3	31.3	–	–	–
Food preparation, n.e.c.	6.49	5.0	31.5	6.13	3.0	31.1	7.85	10.1	33.1
Health service									
Health aides, except nursing	7.89	1.8	32.7	8.16	2.5	34.6	7.50	1.7	30.2
Nursing aides, orderlies and attendants	7.63	2.9	36.9	7.60	3.3	35.3	–	–	–
Cleaning and building service	7.94	2.4	35.4	7.71	2.5	34.5	8.72	2.2	38.7
Supervisors, cleaning and building service workers	10.85	6.3	39.8	10.78	6.8	40.0	–	–	–
Maids and housemen	6.72	1.7	32.0	6.90	1.4	31.3	–	–	–
Janitors and cleaners	8.16	2.7	36.5	7.89	2.9	35.9	8.96	2.1	38.8
Personal service									
Supervisors, personal service	7.45	5.9	32.5	7.67	8.3	31.8	6.32	7.5	36.8
Attendants, amusement, and recreation facilities	11.57	12.8	40.3	11.57	12.8	40.3	–	–	–
Public transportation attendants	5.99	.7	35.0	6.00	1.1	33.9	–	–	–
Baggage porters and bellhops	19.91	9.5	19.7	19.91	9.5	19.7	–	–	–
Welfare service aides	8.39	26.2	37.5	8.39	26.2	37.5	–	–	–
Early childhood teachers' assistants	8.20	4.7	33.4	8.38	7.5	32.5	–	–	–
Child care workers, n.e.c.	6.69	2.0	22.4	6.73	1.9	22.5	–	–	–
Service, n.e.c.	7.20	12.6	25.1	7.70	13.6	23.8	–	–	–
	7.46	3.5	32.7	7.53	3.3	33.4	–	–	–

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 October 1996 and April 1998. The average reference period was July 1997.

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 8-11. Pacific census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1997

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	\$16.88	1.5	36.2	\$17.06	1.5	36.2	\$13.37	2.9	36.1
All excluding sales	17.03	1.5	36.4	17.22	1.4	36.4	13.40	3.0	36.4
White collar	20.39	1.6	36.3	20.56	1.6	36.3	16.17	2.2	35.7
White collar excluding sales	21.14	1.5	36.8	21.34	1.4	36.8	16.55	3.0	36.5
Professional specialty and technical	25.53	1.4	35.8	25.72	1.4	35.8	21.15	.9	34.5
Professional specialty	27.33	1.3	35.5	27.50	1.4	35.6	22.98	2.3	33.0
Engineers, architects, and surveyors	30.06	1.3	40.2	30.19	1.3	40.2	-	-	-
Architects	32.45	16.3	41.7	32.45	16.3	41.7	-	-	-
Aerospace engineers	32.15	5.6	40.0	32.15	5.6	40.0	-	-	-
Metallurgical and materials engineers	24.08	6.9	40.0	24.08	6.9	40.0	-	-	-
Nuclear engineers	32.45	1.1	40.7	32.45	1.1	40.7	-	-	-
Civil engineers	28.54	4.9	40.0	29.67	4.5	40.0	-	-	-
Electrical and electronic engineers	31.00	2.7	40.4	31.00	2.7	40.4	-	-	-
Industrial engineers	26.17	3.4	40.4	26.17	3.4	40.4	-	-	-
Mechanical engineers	28.33	3.9	39.2	28.33	3.9	39.2	-	-	-
Engineers, n.e.c.	30.35	2.3	40.1	30.40	2.3	40.1	-	-	-
Mathematical and computer scientists	28.51	3.6	40.1	28.51	3.6	40.1	-	-	-
Computer systems analysts and scientists	28.82	3.7	40.1	28.82	3.7	40.1	-	-	-
Operations and systems researchers and analysts	25.03	7.3	40.0	25.03	7.3	40.0	-	-	-
Natural scientists	25.32	3.4	40.8	25.50	3.5	40.9	-	-	-
Chemists, except biochemists	26.07	5.1	40.5	26.07	5.1	40.5	-	-	-
Geologists and geodesists	19.40	22.5	46.6	19.40	22.5	46.6	-	-	-
Physical scientists, n.e.c.	28.97	3.0	40.0	28.97	3.0	40.0	-	-	-
Biological and life scientists	22.70	3.1	40.0	22.88	5.1	40.0	-	-	-
Medical scientists	22.20	7.7	40.2	22.20	7.7	40.2	-	-	-
Health related	23.93	1.6	32.9	24.17	1.6	33.0	18.14	2.2	31.7
Physicians	35.85	13.3	38.6	35.85	13.3	38.6	-	-	-
Registered nurses	23.28	.9	32.4	23.51	.9	32.4	18.39	2.2	30.7
Pharmacists	33.57	3.7	31.7	33.57	3.7	31.7	-	-	-
Dietitians	18.45	5.3	35.5	18.45	5.3	35.5	-	-	-
Respiratory therapists	17.99	4.8	31.9	18.22	5.5	30.8	-	-	-
Occupational therapists	22.17	10.2	30.5	22.17	10.2	30.5	-	-	-
Physical therapists	22.75	3.2	34.2	22.75	3.2	34.2	-	-	-
Speech therapists	24.89	6.5	32.1	24.89	6.5	32.1	-	-	-
Therapists, n.e.c.	16.80	10.0	34.6	16.80	10.0	34.6	-	-	-
Physicians' assistants	23.13	21.8	38.6	23.13	21.8	38.6	-	-	-
Teachers, college and university	33.51	2.7	27.6	33.75	2.7	27.8	26.86	3.0	24.2
Biological science teachers	41.63	19.0	27.2	41.63	19.0	27.2	-	-	-
Chemistry teachers	47.52	16.6	40.0	47.52	16.6	40.0	-	-	-
Psychology teachers	32.43	9.4	33.0	32.43	9.4	33.0	-	-	-
Social science teachers, n.e.c.	36.09	5.9	33.7	36.09	5.9	33.7	-	-	-
Engineering teachers	36.00	6.2	45.0	36.00	6.2	45.0	-	-	-
Mathematical science teachers	36.07	5.3	21.0	36.19	5.4	22.0	-	-	-
Medical science teachers	33.52	11.7	45.6	33.52	11.7	45.6	-	-	-
Health specialties teachers	25.64	12.5	30.8	25.64	12.5	30.8	-	-	-
Business, commerce, and marketing teachers	38.21	10.0	25.5	38.21	10.0	25.5	-	-	-
Art, drama, and music teachers	31.92	3.6	31.6	31.99	3.7	34.3	-	-	-
Physical education teachers	37.99	7.3	14.8	38.99	5.6	15.2	-	-	-
Education teachers	32.11	21.3	33.3	-	-	-	-	-	-
English teachers	30.04	5.7	20.4	30.69	7.5	18.0	-	-	-
Foreign language teachers	31.63	11.3	26.6	31.72	11.4	28.2	-	-	-
Trade and industrial teachers	28.77	9.3	30.3	28.77	9.3	30.3	-	-	-
Teachers, post secondary, subject not specified	29.36	6.1	31.1	30.59	6.9	30.6	-	-	-
Teachers, post secondary, n.e.c.	32.31	4.6	23.0	32.31	4.6	23.0	-	-	-
Teachers, except college and university	27.88	2.1	32.8	28.03	2.2	32.7	25.98	3.5	34.2
Prekindergarten and kindergarten	15.65	13.1	33.1	15.46	13.6	33.9	-	-	-
Elementary school teachers	29.38	2.7	35.5	29.43	2.9	35.2	28.65	2.4	39.6
Secondary school teachers	30.78	2.5	35.8	30.98	2.6	35.7	-	-	-
Teachers, special education	29.41	3.6	35.9	29.41	3.6	35.9	-	-	-
Teachers, n.e.c.	24.34	5.5	25.0	24.68	6.7	23.9	23.09	3.4	30.4
Substitute teachers	15.00	5.3	12.9	15.01	5.3	13.2	-	-	-
Vocational and educational counselors	26.86	10.4	37.0	27.25	10.6	36.9	-	-	-
Librarians, archivists, and curators	24.14	4.5	37.4	24.39	4.5	37.3	-	-	-

See footnotes at end of table.

Table 8-11. Pacific census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1997–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									
Librarians	\$24.59	4.8	36.4	\$24.91	4.8	36.2	–	–	–
Archivists and curators	22.06	10.2	42.8	22.06	10.2	42.8	–	–	–
Social scientists and urban planners	23.53	6.5	37.1	23.53	6.5	37.1	–	–	–
Economists	26.38	10.5	42.8	26.38	10.5	42.8	–	–	–
Psychologists	21.82	9.5	34.1	21.82	9.5	34.1	–	–	–
Urban planners	24.14	5.0	40.0	24.14	5.0	40.0	–	–	–
Social, recreation, and religious workers	17.49	5.5	37.5	17.55	5.8	38.3	\$16.30	2.8	26.5
Social workers	18.73	5.0	37.9	18.75	5.2	38.0	–	–	–
Recreation workers	14.00	8.2	29.9	14.51	8.3	34.2	–	–	–
Lawyers and judges	35.78	7.7	41.7	36.97	6.9	41.8	–	–	–
Lawyers	35.47	8.1	41.7	36.81	7.2	41.8	–	–	–
Writers, authors, entertainers, athletes, and professionals, n.e.c.	27.57	10.4	36.0	27.71	10.4	36.4	–	–	–
Technical writers	24.39	7.4	38.9	24.39	7.4	38.9	–	–	–
Designers	24.09	11.3	40.6	24.09	11.3	40.6	–	–	–
Musicians and composers	44.38	36.6	15.7	44.38	36.6	15.7	–	–	–
Actors and directors	32.27	24.8	33.3	32.27	24.8	33.3	–	–	–
Painters, sculptors, craft artists, and artist printmakers	29.22	23.6	41.5	29.22	23.6	41.5	–	–	–
Artists, performers, and related workers, n.e.c.	11.98	12.8	24.3	11.98	12.8	24.3	–	–	–
Editors and reporters	27.69	19.2	40.1	27.69	19.2	40.1	–	–	–
Public relations specialists	22.93	10.3	39.8	22.93	10.3	39.8	–	–	–
Professional, n.e.c.	25.22	10.2	40.5	25.22	10.2	40.5	–	–	–
Technical	18.48	2.4	37.0	18.64	2.5	36.9	15.31	6.8	40.0
Clinical laboratory technologists and technicians	17.87	3.9	37.4	18.18	3.8	37.2	–	–	–
Health record technologists and technicians	13.50	7.4	35.4	13.75	7.8	35.1	–	–	–
Radiological technicians	19.53	2.2	32.2	19.53	2.2	32.2	–	–	–
Licensed practical nurses	14.51	1.2	33.9	14.56	1.2	33.8	–	–	–
Health technologists and technicians, n.e.c.	15.31	3.1	36.5	15.31	3.2	36.4	–	–	–
Electrical and electronic technicians	19.98	3.5	39.5	19.98	3.5	39.5	–	–	–
Mechanical engineering technicians	19.83	4.4	39.9	19.83	4.4	39.9	–	–	–
Engineering technicians, n.e.c.	18.27	4.8	39.2	18.63	5.2	39.1	–	–	–
Drafters	18.00	6.5	39.7	18.00	6.5	39.7	–	–	–
Surveying and mapping technicians	23.03	8.2	40.0	23.03	8.2	40.0	–	–	–
Biological technicians	13.13	10.9	32.9	14.06	12.2	31.6	–	–	–
Chemical technicians	19.35	10.7	40.5	19.35	10.7	40.5	–	–	–
Science technicians, n.e.c.	19.70	5.2	38.8	19.83	5.3	38.6	–	–	–
Airplane pilots and navigators	53.96	19.4	26.3	53.96	19.4	26.3	–	–	–
Broadcast equipment operators	13.85	14.8	36.9	13.85	14.8	36.9	–	–	–
Computer programmers	22.23	5.2	39.4	22.46	6.0	39.3	–	–	–
Legal assistants	14.93	12.7	39.3	14.93	12.7	39.3	–	–	–
Technical and related, n.e.c.	19.07	8.2	38.0	19.57	8.2	37.9	–	–	–
Executive, administrative, and managerial	29.06	2.1	40.3	29.27	2.2	40.2	21.20	2.6	42.2
Executives, administrators, and managers	33.81	2.8	40.7	34.16	2.9	40.6	22.28	2.7	43.5
Legislators	33.55	20.7	11.8	33.55	20.7	11.8	–	–	–
Administrators and officials, public administration ...	29.15	5.5	39.7	30.22	5.7	39.6	–	–	–
Financial managers	34.80	4.1	40.1	34.81	4.1	40.1	–	–	–
Personnel and labor relations managers	32.27	5.1	40.6	32.27	5.1	40.6	–	–	–
Purchasing managers	31.48	5.3	40.3	31.48	5.3	40.3	–	–	–
Managers, marketing, advertising, and public relations	38.43	5.9	41.6	38.43	5.9	41.6	–	–	–
Administrators, education and related fields	32.43	3.5	39.4	32.61	3.8	39.3	–	–	–
Managers, medicine and health	30.82	4.3	39.4	31.01	4.3	39.4	–	–	–
Managers, food servicing and lodging establishments	16.06	7.8	44.6	16.50	8.6	44.1	–	–	–
Managers, properties and real estate	26.13	19.9	41.2	26.13	19.9	41.2	–	–	–
Managers, service organizations, n.e.c.	22.20	6.8	39.4	22.20	6.8	39.4	–	–	–
Managers and administrators, n.e.c.	36.58	4.9	41.1	36.89	5.0	41.0	–	–	–

See footnotes at end of table.

Table 8-11. Pacific census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1997–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	\$22.10	2.0	39.7	\$22.16	2.0	39.7	\$19.07	6.2	40.0
Accountants and auditors	21.07	2.1	39.9	21.10	2.1	39.9	–	–	–
Underwriters	24.63	10.6	38.7	24.63	10.6	38.7	–	–	–
Other financial officers	25.74	10.0	40.4	25.87	10.1	40.4	–	–	–
Management analysts	24.62	5.0	39.8	24.75	5.0	39.8	–	–	–
Personnel, training, and labor relations specialists ..	20.38	3.8	39.4	20.49	3.9	39.4	–	–	–
Buyers, wholesale and retail trade, except farm products	21.35	8.1	39.8	21.41	8.2	39.8	–	–	–
Purchasing agents and buyers, n.e.c.	20.85	2.9	40.1	20.85	2.9	40.1	–	–	–
Construction inspectors	24.56	2.8	39.9	24.56	2.8	39.9	–	–	–
Inspectors and compliance officers, except construction	21.84	6.1	40.0	22.16	6.1	40.0	–	–	–
Management related, n.e.c.	21.56	2.7	39.3	21.57	2.7	39.3	–	–	–
Sales	14.82	5.1	32.8	14.89	5.3	32.9	12.56	4.1	29.8
Supervisors, sales	19.35	7.1	41.3	19.18	7.3	41.3	–	–	–
Insurance sales	18.39	10.8	40.2	18.39	10.8	40.2	–	–	–
Real estate sales	50.11	20.4	41.6	50.11	20.4	41.6	–	–	–
Securities and financial services sales	26.36	37.1	39.7	26.36	37.1	39.7	–	–	–
Advertising and related sales	18.15	9.1	39.0	18.15	9.1	39.0	–	–	–
Sales, other business services	15.93	10.0	37.9	15.96	10.1	37.9	–	–	–
Sales engineers	28.06	8.5	40.0	28.06	8.5	40.0	–	–	–
Sales representatives, mining, manufacturing, and wholesale	28.03	5.2	41.2	28.05	5.2	41.2	–	–	–
Sales workers, motor vehicles and boats	18.17	11.0	41.3	18.00	11.4	41.3	–	–	–
Sales workers, apparel	8.90	6.7	25.4	8.90	6.7	25.4	–	–	–
Sales workers, shoes	10.42	5.0	28.6	10.42	5.0	28.6	–	–	–
Sales workers, furniture and home furnishings	9.05	6.6	25.4	9.05	6.6	25.4	–	–	–
Sales workers, radio, tv, hi-fi, and appliances	12.89	7.6	39.4	12.89	7.6	39.4	–	–	–
Sales workers, hardware and building supplies	13.44	10.6	39.6	13.44	10.6	39.6	–	–	–
Sales workers, parts	15.16	10.3	40.0	15.16	10.3	40.0	–	–	–
Sales workers, other commodities	11.80	15.0	31.6	11.86	15.1	31.5	–	–	–
Sales counter clerks	8.37	11.5	27.2	8.24	11.7	27.6	–	–	–
Cashiers	10.06	2.7	30.7	10.00	2.8	30.7	10.92	6.0	31.6
Sales support, n.e.c.	13.26	8.2	32.5	13.76	8.2	34.6	–	–	–
Administrative support, including clerical	12.48	1.1	36.2	12.52	1.1	36.2	11.65	2.4	36.7
Supervisors, general office	17.05	2.7	40.0	17.00	2.8	40.0	–	–	–
Supervisors, financial records processing	18.59	4.6	39.5	19.01	4.1	40.0	–	–	–
Supervisors, distribution, scheduling, and adjusting clerks	19.36	5.6	40.6	18.03	5.5	40.8	–	–	–
Computer operators	15.31	7.0	39.4	16.16	6.3	39.2	–	–	–
Secretaries	14.02	1.6	38.2	14.22	1.7	38.3	10.77	.9	36.2
Stenographers	15.80	7.9	36.8	15.80	7.9	36.8	–	–	–
Typists	12.22	3.3	38.2	12.22	3.4	38.2	–	–	–
Interviewers	10.83	4.7	35.6	11.10	5.0	34.8	–	–	–
Hotel clerks	8.86	6.7	38.3	8.86	8.1	38.0	–	–	–
Transportation ticket and reservation agents	12.08	7.8	37.2	12.08	7.8	37.2	–	–	–
Receptionists	9.52	2.5	35.5	9.50	2.5	35.4	–	–	–
Information clerks, n.e.c.	11.08	2.4	33.6	11.03	2.4	33.5	–	–	–
Order clerks	11.08	3.0	36.1	11.08	3.0	36.1	–	–	–
Personnel clerks, except payroll and timekeeping ...	13.41	4.1	39.7	13.60	4.2	39.7	–	–	–
Library clerks	11.76	4.8	29.7	12.14	4.7	29.0	–	–	–
File clerks	8.56	4.6	33.5	8.71	4.6	34.2	–	–	–
Records clerks, n.e.c.	12.14	3.3	38.3	12.28	3.7	38.1	–	–	–
Bookkeepers, accounting and auditing clerks	12.68	1.6	39.1	12.86	1.5	39.0	9.55	2.7	40.0
Payroll and timekeeping clerks	12.97	3.4	39.5	13.07	3.4	39.5	–	–	–
Billing clerks	11.25	3.5	39.1	11.19	3.9	39.0	–	–	–
Billing, posting, and calculating machine operators	9.82	6.0	31.7	9.82	6.0	31.7	–	–	–
Office machine operators, n.e.c.	9.61	12.1	38.4	9.61	12.1	38.4	–	–	–
Telephone operators	9.81	5.5	38.0	9.81	5.5	38.0	–	–	–

See footnotes at end of table.

Table 8-11. Pacific census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1997—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									
Mail clerks, except postal service	\$8.78	5.7	39.1	\$8.65	6.5	38.9	—	—	—
Messengers	11.32	8.8	36.2	11.59	8.2	36.2	—	—	—
Dispatchers	15.52	6.3	38.6	15.52	6.3	38.6	—	—	—
Production coordinators	15.50	4.7	39.5	15.50	4.7	39.5	—	—	—
Traffic, shipping and receiving clerks	11.08	4.3	38.1	11.16	5.0	38.7	—	—	—
Stock and inventory clerks	11.52	3.2	35.8	11.43	3.4	35.5	—	—	—
Meter readers	15.83	7.3	39.0	15.83	7.3	39.0	—	—	—
Expeditors	14.54	11.3	39.7	14.54	11.3	39.7	—	—	—
Material recording, scheduling, and distribution clerks, n.e.c.	13.59	6.7	36.6	13.64	6.8	36.7	—	—	—
Insurance adjusters, examiners, and investigators ..	14.01	5.7	39.2	14.01	5.7	39.2	—	—	—
Investigators and adjusters, except insurance	13.64	8.7	39.0	13.64	8.7	39.0	—	—	—
Eligibility clerks, social welfare	13.52	3.2	39.7	13.49	3.3	39.7	—	—	—
Bill and account collectors	11.98	5.0	38.9	11.98	5.0	38.9	—	—	—
General office clerks	11.68	1.9	35.0	11.72	1.9	35.0	\$10.22	8.9	34.6
Bank tellers	8.97	1.8	21.4	8.98	1.9	21.1	—	—	—
Data entry keyers	11.20	4.0	37.0	11.20	4.0	37.0	—	—	—
Statistical clerks	12.71	12.6	35.3	12.71	12.6	35.3	—	—	—
Teachers' aides	10.40	3.4	24.3	10.60	3.4	24.1	—	—	—
Administrative support, n.e.c.	13.39	2.3	36.6	13.43	2.3	36.6	12.10	11.4	35.8
Blue collar	13.14	2.1	37.9	13.25	2.1	37.9	11.60	5.6	37.4
Precision production, craft, and repair									
Supervisors, mechanics and repairers	23.92	2.9	40.2	24.03	3.0	40.2	—	—	—
Automobile mechanics	16.80	4.3	39.6	16.80	4.3	39.6	—	—	—
Automobile mechanic apprentices	10.16	13.4	39.1	10.16	13.4	39.1	—	—	—
Bus, truck, and stationary engine mechanics	17.66	2.6	40.0	17.66	2.6	40.0	—	—	—
Aircraft engine mechanics	18.86	5.0	40.0	18.86	5.0	40.0	—	—	—
Automobile body and related repairers	13.34	13.1	40.0	12.92	14.4	40.0	—	—	—
Aircraft mechanics, except engine	20.75	1.2	40.0	20.75	1.2	40.0	—	—	—
Heavy equipment mechanics	18.41	8.3	40.0	18.41	8.3	40.0	—	—	—
Industrial machinery repairers	18.38	2.8	39.3	18.52	2.9	39.2	—	—	—
Machinery maintenance	11.55	11.5	39.8	11.55	11.5	39.8	—	—	—
Electronic repairers, communications and industrial equipment	17.64	5.6	39.7	18.12	4.9	39.7	—	—	—
Heating, air conditioning, and refrigeration mechanics	20.50	12.5	37.4	20.96	13.1	37.1	—	—	—
Millwrights	17.53	5.7	40.0	17.53	5.7	40.0	—	—	—
Mechanics and repairers, n.e.c.	16.03	4.0	39.5	16.03	4.0	39.5	—	—	—
Supervisors, electricians and power transmission installers	29.22	9.4	39.3	29.22	9.4	39.3	—	—	—
Supervisors, plumbers, pipefitters, and steamfitters ..	26.31	6.1	40.0	26.31	6.1	40.0	—	—	—
Supervisors, construction trades, n.e.c.	23.56	8.2	39.5	24.32	9.4	39.3	—	—	—
Carpenters	19.23	3.7	38.2	19.36	3.6	38.5	—	—	—
Carpenter apprentices	13.23	7.5	40.0	13.23	7.5	40.0	—	—	—
Electricians	21.32	6.9	40.0	23.03	4.2	40.0	—	—	—
Electrician apprentices	15.11	4.6	40.0	15.02	9.0	40.0	—	—	—
Electrical power installers and repairers	24.13	3.7	40.0	24.13	3.7	40.0	—	—	—
Painters, construction and maintenance	13.83	17.5	40.0	13.49	19.8	40.0	—	—	—
Plumbers, pipefitters and steamfitters	17.20	13.0	40.0	17.20	13.0	40.0	—	—	—
Plumber, pipefitter, and steamfitter apprentices	14.16	7.3	40.0	14.16	7.3	40.0	—	—	—
Structural metal workers	22.72	8.7	34.9	22.72	8.7	34.9	—	—	—
Construction trades, n.e.c.	14.99	8.6	39.9	15.82	9.8	39.9	—	—	—
Drillers, oil well	16.22	8.5	41.3	16.22	8.5	41.3	—	—	—
Supervisors, production	21.65	6.6	40.1	21.65	6.6	40.1	—	—	—
Tool and die makers	17.47	7.5	40.5	17.47	7.5	40.5	—	—	—
Machinists	19.11	4.1	39.9	19.11	4.1	39.9	—	—	—
Layout workers	15.82	5.0	40.0	15.82	5.0	40.0	—	—	—
Sheet metal workers	23.53	7.2	40.0	23.53	7.2	40.0	—	—	—
Electrical and electronic equipment assemblers	9.39	5.4	39.3	9.39	5.4	39.3	—	—	—

See footnotes at end of table.

Table 8-11. Pacific census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1997—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									
Miscellaneous precision workers, n.e.c.	\$14.96	14.2	39.8	\$14.96	14.2	39.8	—	—	—
Butchers and meat cutters	12.53	8.4	39.1	12.64	10.2	39.0	—	—	—
Bakers	11.58	6.1	37.1	11.58	6.1	37.1	—	—	—
Inspectors, testers, and graders	16.38	6.3	40.0	16.38	6.3	40.0	—	—	—
Water and sewer treatment plant operators	19.20	3.6	40.0	19.41	4.4	40.0	—	—	—
Stationary engineers	20.87	3.6	40.0	20.87	3.6	40.0	—	—	—
Machine operators, assemblers, and inspectors	10.44	2.4	39.2	10.39	2.5	39.3	\$11.01	8.7	37.8
Punching and stamping press operators	11.05	14.4	40.0	11.05	14.4	40.0	—	—	—
Drilling and boring machine operators	14.62	15.3	39.9	14.62	15.3	39.9	—	—	—
Grinding, abrading, buffing, and polishing machine operators	9.51	9.0	40.2	9.51	9.0	40.2	—	—	—
Numerical control machine operators	15.44	7.9	40.0	15.44	7.9	40.0	—	—	—
Fabricating machine operators, n.e.c.	11.48	10.1	39.6	10.72	10.1	39.5	—	—	—
Molding and casting machine operators	8.35	10.8	39.6	8.35	10.8	39.6	—	—	—
Metal plating machine operators	9.89	9.1	39.8	9.89	9.1	39.8	—	—	—
Sawing machine operators	—	—	—	6.82	13.7	40.0	—	—	—
Printing press operators	15.57	9.4	38.2	15.57	9.4	38.2	—	—	—
Photoengravers and lithographers	13.90	11.9	39.0	13.90	11.9	39.0	—	—	—
Typesetters and compositors	13.52	10.3	39.1	13.52	10.3	39.1	—	—	—
Textile cutting machine operators	9.25	7.8	40.0	9.25	7.8	40.0	—	—	—
Textile sewing machine operators	7.01	5.6	38.5	7.01	5.6	38.5	—	—	—
Laundering and dry cleaning machine operators	7.50	3.4	36.9	7.54	3.5	36.8	—	—	—
Cementing and gluing machine operators	8.69	13.3	40.0	8.69	13.3	40.0	—	—	—
Packaging and filling machine operators	9.72	7.6	35.0	9.70	8.3	37.4	—	—	—
Extruding and forming machine operators	10.87	3.1	40.0	10.87	3.1	40.0	—	—	—
Mixing and blending machine operators	10.39	9.8	40.1	10.39	9.8	40.1	—	—	—
Separating, filtering, and clarifying machine operators	15.20	2.9	40.0	14.96	4.7	40.0	—	—	—
Painting and paint spraying machine operators	11.11	13.3	39.9	11.11	13.3	39.9	—	—	—
Furnace, kiln, and oven operators, except food	12.12	7.2	39.6	12.12	7.2	39.6	—	—	—
Crushing and grinding machine operators	12.68	7.9	40.0	12.68	7.9	40.0	—	—	—
Slicing and cutting machine operators	9.83	10.5	38.2	9.83	10.5	38.2	—	—	—
Photographic process machine operators	11.55	13.4	37.7	11.55	13.4	37.7	—	—	—
Miscellaneous machine operators, n.e.c.	10.60	3.9	39.3	10.82	5.0	39.9	10.06	.0	37.9
Welders and cutters	14.77	6.8	40.0	14.67	7.3	40.0	—	—	—
Solders and braziers	8.71	9.3	40.0	8.71	9.3	40.0	—	—	—
Assemblers	9.65	4.4	39.0	9.65	4.4	39.0	—	—	—
Hand cutting and trimming	6.02	13.9	40.0	6.02	13.9	40.0	—	—	—
Hand molding, casting, and forming	8.40	15.8	38.6	8.40	15.8	38.6	—	—	—
Hand painting, coating, and decorating	10.15	22.0	40.0	10.15	22.0	40.0	—	—	—
Miscellaneous hand working, n.e.c.	8.52	6.7	39.5	8.52	6.7	39.5	—	—	—
Production inspectors, checkers and examiners	11.22	6.9	39.6	11.22	6.9	39.6	—	—	—
Production testers	11.45	7.9	40.0	11.45	7.9	40.0	—	—	—
Graders and sorters, except agricultural	11.41	8.2	38.9	11.41	8.2	38.9	—	—	—
Transportation and material moving	13.66	2.7	36.7	13.92	2.7	36.9	10.94	3.5	34.5
Supervisors, motor vehicle operators	19.49	6.5	40.4	19.53	6.5	40.4	—	—	—
Truck drivers	14.07	3.6	39.1	14.19	3.7	39.0	—	—	—
Driver-sales workers	11.59	8.6	35.7	11.59	8.6	35.7	—	—	—
Bus drivers	12.31	5.0	30.5	12.32	5.2	30.8	—	—	—
Taxicab drivers and chauffeurs	8.56	8.7	26.4	8.56	8.7	26.4	—	—	—
Parking lot attendants	7.40	10.6	31.8	7.40	10.6	31.8	—	—	—
Motor transportation, n.e.c.	7.19	14.3	28.9	7.37	16.0	35.9	—	—	—
Railroad conductors and yardmasters	25.21	15.8	41.6	25.21	15.8	41.6	—	—	—
Locomotive operating	22.97	13.3	42.0	22.97	13.3	42.0	—	—	—
Sailors and deckhands	18.69	9.0	38.0	18.69	9.0	38.0	—	—	—
Supervisors, material moving equipment	14.89	6.7	42.3	14.89	6.7	42.3	—	—	—
Operating engineers	20.05	2.8	40.0	20.05	2.8	40.0	—	—	—
Crane and tower operators	18.35	15.0	40.0	18.35	15.0	40.0	—	—	—
Excavating and loading machine operators	14.24	12.5	40.0	14.24	12.5	40.0	—	—	—

See footnotes at end of table.

Table 8-11. Pacific census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1997—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									
Grader, dozer, and scrapper operators	\$16.07	11.8	40.0	\$20.11	9.2	40.0	—	—	—
Industrial truck and tractor equipment operators	11.76	4.2	38.6	12.40	4.1	37.7	—	—	—
Miscellaneous material moving equipment operators, n.e.c.	14.74	9.7	37.1	14.74	9.7	37.1	—	—	—
Handlers, equipment cleaners, helpers, and laborers ...									
Nursery workers	9.52	2.0	35.2	9.51	2.2	35.1	\$9.60	3.0	36.9
Supervisors, agriculture-related workers	6.82	4.2	40.6	6.82	4.2	40.6	—	—	—
Groundskeepers and gardeners, except farm	17.86	5.0	40.2	17.86	5.0	40.2	—	—	—
Animal caretakers, except farm	11.79	6.2	38.2	11.71	5.6	37.9	—	—	—
Inspectors, agricultural products	11.74	7.1	36.2	11.74	7.1	36.2	—	—	—
Supervisors, handlers, equipment cleaners, and laborers, n.e.c.	7.43	1.6	33.0	7.43	1.6	33.0	—	—	—
Helpers, mechanics and repairers	14.91	5.6	40.0	14.91	5.6	40.0	—	—	—
Helpers, construction trades	11.54	9.9	39.1	11.54	9.9	39.1	—	—	—
Construction laborers	10.55	8.1	37.9	10.55	8.1	37.9	—	—	—
Production helpers	12.16	8.8	38.8	12.39	9.1	39.5	—	—	—
Stock handlers and baggers	8.00	4.1	37.8	7.99	4.1	37.8	—	—	—
Machine feeders and offbearers	9.08	6.2	29.2	9.11	6.3	29.3	—	—	—
Freight, stock, and material handlers, n.e.c.	9.95	8.9	38.0	9.95	8.9	38.0	—	—	—
Garage and service station related	10.05	4.7	33.2	10.01	4.8	33.1	—	—	—
Vehicle washers and equipment cleaners	9.28	10.9	32.9	9.24	13.8	39.3	—	—	—
Hand packers and packagers	6.92	7.2	38.3	6.86	7.2	37.9	—	—	—
Laborers, except construction, n.e.c.	7.70	3.9	36.8	7.71	4.0	36.8	—	—	—
Service	9.47	4.1	35.8	9.56	4.1	35.1	—	—	—
Protective service	10.47	2.1	33.3	10.53	2.2	33.3	9.17	.9	34.4
Supervisors, firefighters and fire prevention	15.59	5.6	37.6	15.64	5.7	37.5	14.17	5.4	40.0
Supervisors, police and detectives	22.75	4.3	50.1	22.75	4.3	50.1	—	—	—
Supervisors, guards	29.26	4.1	40.4	29.26	4.1	40.4	—	—	—
Fire inspection and fire prevention	18.72	15.4	38.7	18.72	15.4	38.7	—	—	—
Firefighting	15.85	14.3	43.9	15.85	14.3	43.9	—	—	—
Police and detectives, public service	15.82	9.9	33.5	16.00	10.2	33.3	—	—	—
Sheriffs, bailiffs, and other law enforcement officers	23.13	2.8	39.2	23.24	2.8	39.2	—	—	—
Correctional institution officers	19.70	4.5	40.0	20.03	4.5	40.0	—	—	—
Crossing guards	17.53	2.8	40.0	17.54	2.9	40.0	—	—	—
Guards and police, except public service	10.10	14.5	19.6	10.10	14.5	19.6	—	—	—
Protective service, n.e.c.	7.89	4.7	36.4	7.87	4.8	36.3	—	—	—
Food service	13.45	10.8	28.8	13.45	10.8	28.8	—	—	—
Supervisors, food preparation and service	7.30	2.0	30.0	7.35	2.1	29.9	6.47	2.0	32.1
Bartenders	12.03	4.0	38.8	12.03	4.0	38.8	—	—	—
Waiters and waitresses	6.83	4.1	31.1	7.02	3.6	30.6	—	—	—
Cooks	5.40	2.1	26.6	5.38	2.3	26.5	—	—	—
Food counter, fountain, and related	9.02	3.2	36.8	9.11	3.4	36.6	—	—	—
Kitchen workers, food preparation	6.53	5.9	27.0	6.57	6.1	27.0	—	—	—
Waiters/Waitresses' assistants	7.79	2.9	32.0	7.84	3.1	32.5	—	—	—
Food preparation, n.e.c.	5.89	4.6	27.5	5.92	4.9	27.3	—	—	—
Health service	6.77	3.1	28.2	6.78	3.1	28.0	—	—	—
Health aides, except nursing	9.28	2.3	34.4	9.35	2.5	34.3	8.32	3.2	36.6
Nursing aides, orderlies and attendants	11.10	2.3	33.3	11.28	2.5	33.5	8.81	1.6	31.9
Cleaning and building service	8.65	2.5	34.8	8.69	2.7	34.5	8.12	4.2	38.9
Supervisors, cleaning and building service workers	8.95	3.1	36.3	8.98	3.2	36.4	8.12	.8	31.6
Maids and housemen	12.55	8.7	40.4	12.68	9.0	40.5	—	—	—
Janitors and cleaners	7.55	3.5	34.9	7.61	3.6	35.7	—	—	—
Personal service	8.94	4.1	36.2	8.94	4.2	36.3	8.67	1.6	34.5
Supervisors, personal service	9.67	3.1	27.2	9.66	3.8	26.5	—	—	—
Hairdressers and cosmetologists	13.25	7.9	38.6	12.18	6.4	38.2	—	—	—
Attendants, amusement, and recreation facilities	8.44	3.4	35.2	8.44	3.4	35.2	—	—	—
Ushers	6.53	3.6	27.2	6.75	5.2	23.5	—	—	—
Public transportation attendants	5.59	3.3	10.8	5.59	3.3	10.8	—	—	—
	24.60	12.0	25.4	24.60	12.0	25.4	—	—	—

See footnotes at end of table.

Table 8-11. Pacific census division:¹ Mean hourly earnings² and weekly hours by metropolitan and nonmetropolitan areas³ for selected occupations, National Compensation Survey,⁴ 1997–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									
Baggage porters and bellhops	\$8.08	9.5	35.5	\$8.08	9.5	35.5	–	–	–
Welfare service aides	7.71	8.1	26.4	7.71	8.1	26.4	–	–	–
Early childhood teachers' assistants	8.46	3.2	27.9	8.36	3.2	27.3	–	–	–
Child care workers, n.e.c.	9.99	7.9	23.7	9.83	8.2	23.4	–	–	–
Service, n.e.c.	8.87	9.2	28.3	8.11	6.1	28.5	–	–	–

¹ The Pacific census division consists of Washington, Oregon, California, Alaska, and Hawaii. However, Alaska and Hawaii were excluded from this survey.

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 1996 and April 1998. The average reference period was May 1997.

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 9-1. Largest 10 metropolitan areas¹ ranked by employment size: Mean hourly earnings² by occupational group, National Compensation Survey, 1996-1998

Occupational group ³	(1)	(2)	(3)	(4)	(5)
	New York-Northern New Jersey-Long Island (February 1997)	Los Angeles-Riverside-Orange County (January 1997)	Chicago-Gary-Kenosha (July 1997)	Washington-Baltimore (February 1997)	San Francisco-Oakland-San Jose (January 1997)
All	\$19.23	\$16.62	\$16.86	\$16.57	\$19.69
White collar	23.10	20.73	20.79	19.41	23.53
White collar excluding sales	23.97	21.50	21.09	20.00	24.19
Professional specialty and technical	28.39	26.37	25.00	23.40	27.82
Professional specialty	30.34	28.36	26.20	24.86	29.41
Technical	19.69	18.60	21.07	17.26	20.78
Executive, administrative, and managerial	32.48	30.01	27.77	25.61	32.30
Sales	15.12	14.98	18.46	14.99	18.27
Administrative support, including clerical	14.01	12.44	12.62	12.07	14.00
Blue collar	14.05	12.18	13.66	13.87	14.84
Precision production, craft, and repair	19.57	17.85	18.91	17.01	19.13
Machine operators, assemblers, and inspectors	10.53	9.14	11.58	11.99	12.29
Transportation and material moving	15.40	11.31	14.92	13.56	-
Handlers, equipment cleaners, helpers, and laborers	10.94	8.77	10.64	10.46	-
Service	12.17	10.14	10.48	9.60	11.47
Protective service	18.62	16.07	16.24	15.10	-
Food service	8.18	7.01	7.57	7.11	7.91
Health service	9.69	8.44	8.73	8.95	11.10
Cleaning and building service	11.42	7.65	9.29	7.99	-
Personal service	10.00	9.30	10.37	9.21	12.37
	(6)	(7)	(8)	(9)	(10)
	Boston-Worcester-Lawrence (August 1997)	Philadelphia-Wilmington-Atlantic City (February 1998)	Detroit-Ann Arbor-Flint (January 1997)	Dallas-Fort Worth (December 1996)	Houston-Galveston-Brazoria (October 1997)
All	\$17.99	\$18.08	\$16.92	\$14.90	\$16.26
White collar	21.14	21.59	20.40	18.69	19.94
White collar excluding sales	21.86	22.36	21.23	19.27	20.90
Professional specialty and technical	25.06	26.81	25.38	22.09	24.15
Professional specialty	27.29	29.18	27.38	23.41	26.45
Technical	17.32	18.56	18.29	-	18.02
Executive, administrative, and managerial	29.11	28.48	28.84	26.52	29.95
Sales	14.84	15.98	14.20	13.99	13.96
Administrative support, including clerical	12.55	12.81	12.13	11.07	11.47
Blue collar	13.68	14.43	15.24	11.35	12.41
Precision production, craft, and repair	17.60	17.80	19.12	14.99	15.93
Machine operators, assemblers, and inspectors	11.42	12.98	14.25	9.95	10.73
Transportation and material moving	14.80	13.73	14.46	13.25	12.73
Handlers, equipment cleaners, helpers, and laborers	10.34	11.55	9.75	8.26	8.12
Service	10.57	10.35	9.23	7.69	8.25
Protective service	14.54	15.55	-	11.13	12.52
Food service	7.50	7.02	6.49	6.08	5.99
Health service	9.81	9.98	8.25	7.29	7.81
Cleaning and building service	10.56	9.90	10.60	6.78	6.70
Personal service	10.45	10.04	8.09	-	9.40

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.

NOTE: Dashes indicate that data did not meet publication criteria.

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 National Compensation Survey (NCS) studied 16,046 establishments with 50 workers or more, representing nearly 67 million workers within scope of the survey. (See appendix table 2.) 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, 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 was limited to the 48 contiguous States.

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 is March 1996. The sampling frame was reviewed prior to the survey and, when necessary, missing establishments were added, out-of-business and out-of-scope establishments were removed, and addresses, employment

levels, industry classification, and other information were updated.

Sample design

The sample for the NCS was selected using a 3-stage design. The first stage consists of the selection of areas. The NCS sample includes 149 metropolitan areas and nonmetropolitan counties 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 48 contiguous States. (See appendix E.) Metropolitan areas are defined as Metropolitan Statistical Areas (MSA) and Consolidated Metropolitan Statistical Areas (CMSA). Nonmetropolitan areas are counties that do not fit the metropolitan area definition.

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

The third stage of sample selection was 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 the field economists, working out of a BLS regional office, who visited each establishment surveyed. Collection was conducted between October 1996 and July 1998. The average payroll reference month was August 1997. 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 multi-step process:

1. Probability-proportional-to-size selection of establishment jobs
2. Classification of jobs into occupations based on the

Census of Population system

- 3. Characterization of jobs as full-time v. part-time, union v. nonunion, and time v. incentive
- 4. Determination of the level of work of each job

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

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

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

The number of jobs collected in each establishment was based on an establishment’s employment size as shown in the following schedule:

<i>Number of employees</i>	<i>Number of selected jobs</i>
50-99	8
100-249	10
250-999	12
1000-2,499	16
2,500+	20

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

Each occupational classification is an element of a broader classification known as a major occupational group (MOG). Occupations can fall into any of the following MOG’s:

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

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

- Supervisory duties

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

Tabulations of levels of work for occupations in the survey follow the Federal Government's white-collar General Schedule. Point ranges for each of the 15 levels are shown in appendix D. It also includes an example of a 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 to the 10 generic level factors (and levels within those factors). The analysis showed that several of the generic level factors, most notably knowledge and supervision received, had strong explanatory power for wages. That is, as the levels within a given factor increased, the wages also increased. Detailed research continues in the area. BLS will publish the results of this research 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 time periods (hourly, weekly, and annual), BLS also collected data on work schedules. For hourly workers, scheduled hours worked per day and per week, exclusive of overtime, were recorded, and 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.

Definition of terms

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

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

Level. A ranking of an occupation based on the requirements of the position. (See the description 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 and occupation in the survey. These weights reflected the relative size of the occupation within the establishment and of the establishment within the sample universe. Weights were used to aggregate the individual establishment and 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 the nonrespondents equals the mean value of the respondents at some detailed "cell" level. Responding and nonresponding establishments were classified into these cells according to industry and employment size. Responding and nonresponding occupations within responding establishments were classified into cells which were additionally defined by major occupation group and job level.

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

Estimation

The wage series in the tables are computed by combining the wages for individual establishment and 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, varying depending on whether hourly, weekly, or annual rates are 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 publishing a series that could have revealed information about a specific establishment.

The estimates of the number of workers in appendix table 2 represent the total in all establishments within the scope of the study and not the number actually surveyed. Because occupational structures among establishments differ, estimates of the number of workers obtained from the sample of establishments serve only to indicate the relative importance of the occupational groups studied.

Data reliability

The data in this bulletin are estimates from a scientifically selected probability sample. There are two types of errors possible in an estimate based on a sample survey, sampling and nonsampling.

Sampling errors occur because observations come only from a sample and not from an entire population. The sample used for this survey is one of a number of possible samples of the same size that could have been selected using the sample design. Estimates derived from the different samples would differ from each other.

A measure of the variation among these differing estimates is called the standard error or sampling error. It indicates the precision with which an estimate from a particular sample approximates the average result of all possible samples. The relative standard error (RSE) is the standard error divided by the estimate. 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 that mean hourly earnings for all workers was \$15.09 per hour and an RSE of 0.6 percent for this estimate. At the 90-percent level, the confidence interval for this estimate is \$15.24 to \$14.94 ($\$15.09 \times 1.645 \times 0.006 = \0.149 , round to \$0.15); ($\$15.09 + .15 = \15.24 ; $\$15.09 - .15 = \14.94). If all possible samples were selected to estimate the population value, the interval from each sample would include the true population value approximately 90 percent of the time.

Nonsampling errors also affect survey results. They can stem from many sources, such as inability to obtain information for some establishments, difficulties with survey definitions, inability of the respondents to provide correct information, or mistakes in recording or coding the data obtained. A Technical Reinterview Program done in all survey areas will be used in the development of a formal quality assessment process to help compute nonsampling error. Although they were not specifically measured, the nonsampling errors were expected to be minimal due to the extensive training of the field economists who gathered the survey data by personal visit, computer edits of the data, and detailed data review.

Appendix table 1. Number of establishments represented by the survey and number studied by industry group and establishment employment size, United States, National Compensation Survey,¹ 1997

Industry division	Number of establishments represented ²	Number of establishments studied						
		Total	50 - 99 workers	100 - 499 workers	500 - 999 workers	1000 - 2,499 workers	2,500 - 4,999 workers	5,000 or more workers
All	335,300	16,046	4,421	6,954	1,950	1,656	652	413
Private Industry	305,900	13,643	4,177	6,177	1,497	1,193	425	174
Goods-producing industries	80,100	3,928	951	1,835	573	354	150	65
Mining	1,500	156	64	67	18	6	1	-
Construction	13,900	465	240	192	27	5	-	1
Manufacturing	64,700	3,307	647	1,576	528	343	149	64
Durable goods	36,300	2,080	394	933	341	233	124	55
Fabricated metal products, except machinery and transportation equipment	6,600	301	71	178	27	18	6	1
Industrial and commercial machinery and computer equipment	6,600	372	83	167	64	38	16	4
Electronic and electrical equipment	6,100	350	54	151	73	45	15	12
Transportation equipment	2,500	325	29	87	53	60	66	30
Measuring, analyzing, and controlling instruments	2,600	207	28	91	41	34	8	5
Nondurable goods	28,400	1,227	253	643	187	110	25	9
Food and kindred products	4,500	255	51	136	46	20	2	-
Printing, publishing, and allied industries	5,100	283	61	143	36	32	9	2
Chemicals and allied products	3,800	221	36	90	54	30	8	3
Service-producing industries	225,800	9,715	3,226	4,342	924	839	275	109
Transportation and utilities	19,500	954	276	397	111	117	31	22
Wholesale trade	18,000	604	250	284	43	22	3	2
Retail trade	80,100	2,278	1,087	986	116	67	21	1
Finance, insurance and real estate	18,200	796	235	310	102	92	32	25
Depository institutions	5,400	261	73	95	36	27	13	17
Insurance carriers	4,000	250	45	104	42	40	15	4
Services	90,100	5,083	1,378	2,365	552	541	188	59
Business services	22,100	989	275	518	113	70	11	2
Educational services	4,500	767	307	337	66	33	13	11
Health services	26,500	1,825	278	796	242	340	134	35
Hospitals	4,500	854	16	177	176	318	132	35
Engineering, accounting, research, management, and related services	6,400	334	108	147	35	31	11	2
State and local government	29,400	2,403	244	777	453	463	227	239
Health services	2,500	310	37	90	54	65	40	24
Hospitals	1,400	197	11	36	40	53	36	21

¹ This survey covers the 48 contiguous States. Collection was conducted between October 1996 and July 1998. The average reference period was August 1997.

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

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

Appendix table 2. **Number of workers¹ represented by the survey, by occupational group,² United States, National Compensation Survey,³ 1997**

Occupational group	All industries	Private industry	State and local government
All	66,970,200	52,053,400	14,916,900
All excluding sales	62,159,900	47,301,100	14,858,700
White collar	35,582,800	25,477,500	10,105,300
White collar excluding sales	30,772,400	20,725,300	10,047,100
Professional specialty and technical	13,598,200	7,732,500	5,865,700
Professional specialty occupations	10,825,200	5,460,000	5,365,200
Technical occupations	2,773,000	2,272,500	500,500
Executive, administrative, and managerial	5,682,700	4,365,900	1,316,800
Sales	4,810,400	4,752,200	58,100
Administrative support, including clerical	11,491,400	8,626,900	2,864,600
Blue collar	18,852,100	17,331,100	1,521,000
Precision production, craft, and repair	5,332,100	4,734,500	597,600
Machine operators, assemblers, and inspectors	6,018,000	5,981,600	36,400
Transportation and material moving	2,629,700	2,102,600	527,100
Handlers, equipment cleaners, helpers, and laborers	4,872,300	4,512,400	359,900
Service	12,535,400	9,244,800	3,290,600

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 the 48 contiguous States. Collection was conducted between October 1996 and July 1998. The average reference period was August 1997.

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
- A135 Business, Commerce, and Marketing Teachers
- A136 Agriculture and Forestry Teachers

¹ n.e.c. is an occupation title that means "not elsewhere classified."

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 Administration
- 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 Occupations
- C256 Advertising and Related Sales Occupations
- C257 Sales Occupations, Other Business Services

**SALES REPRESENTATIVES, COMMODITIES
EXCEPT RETAIL**

- C258 Sales Engineers
- C259 Sales Representatives: Mining, Manufacturing, 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 Furnishings
- C267 Sales Workers, Radio, TV, Hi-Fi, and Appliances
- 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
Timekeeping
- 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 Refrigera-
tion 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 Tilesetters
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 Appren-
tices
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.

G859 Miscellaneous Material Moving Equipment Operators, 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

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 which 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 knowledges. To be used as a basis for selecting a level under this factor, a knowledge must be required and applied.

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

OR

Skill to operate simple equipment or equipment which 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 which 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 which 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 which has been either: (a) supplemented by skill gained through job experience to permit independent performance of recurring assignments, or (b) supplemented by expanded professional or administrative knowledge gained

through relevant graduate study or experience, which has provided skill in carrying out assignments, operations, and procedures in the occupation which 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 which 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 is usually 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 which 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 determines 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 of the overall program, or the contribution to the advancement of technology. Recommendations for new projects and alteration of objectives are usually 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 knowledges described under Factor 1, Knowledge. Guidelines either provide reference data or impose certain constraints on the use of knowledges. For example, in the field of medical technology, for a particular diagnosis there may be three or four standardized tests 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 which 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 such things as the source of information, the kind of transactions or entries, or other differences 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 impacts on 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 authori-

ties).

Above the lowest level, points should be credited under this factor only for contacts which are essential for successful performance of the work and which 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, use the personal contacts which serve as the basis for the level selected for Factor 7 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 with whom to deal 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, e.g., 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. That is, 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. That is, the contacts are not established on a routine basis; the purpose and extent of each contact is different and the role and authority of each party is 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. That is, contacts are characterized by problems such as: 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 which serve as the basis for the level selected for this factor must be the same as the contacts which 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 abilities (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, 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 carrying out safety regulations and techniques.

1. The work environment involves everyday risks or discomforts which 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 which 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 with exposure to potentially dangerous situations or unusual environmental stress, which require a range of safety and other precau-

tions. For example,, working at great heights under extreme outdoor weather conditions, subject to possible physical attack or mob conditions, or 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 inter-locked 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 firms' 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 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 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 bottom of the next page 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	1020

Range of generic level points		
Level	Low	High
2	255	454
3	455	654
4	655	854
5	855	1104
6	1105	1354
7	1355	1604
8	1605	1854
9	1855	2104
10	2105	2354
11	2355	2754
12	2755	3154
13	3155	3604
14	3605	4054
15	4055	and up

Determining the work level

The following table 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.

Point ranges by work level

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 can also 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	1250	1550	1850
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 Division and Survey Areas

This appendix lists the nine census divisions, the States included in each division, and the 149 metropolitan and nonmetropolitan areas surveyed under the NCS.

Census division and States

NEW ENGLAND

Connecticut
Maine
Massachusetts
New Hampshire
Rhode Island
Vermont

MIDDLE ATLANTIC¹

New Jersey
New York
Pennsylvania

EAST NORTH CENTRAL²

Illinois
Indiana
Michigan
Ohio
Wisconsin

WEST NORTH CENTRAL³

Iowa
Kansas
Minnesota
Missouri
Nebraska
North Dakota
South Dakota

SOUTH ATLANTIC

Delaware
District of Columbia
Florida
Georgia
Maryland
North Carolina
South Carolina
Virginia
West Virginia

EAST SOUTH MOUNTAIN

Alabama
Kentucky
Mississippi
Tennessee

WEST SOUTH CENTRAL⁴

Arkansas
Louisiana
Oklahoma
Texas

MOUNTAIN

Arizona
Colorado
Idaho
Montana
Nevada
New Mexico
Utah
Wyoming

PACIFIC⁵

Alaska
California
Hawaii
Oregon
Washington

¹ The Middle Atlantic census division 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 The East North Central census division also includes the Cincinnati, OH Consolidated Metropolitan Statistical Area, which is comprised of parts of Ohio, Kentucky, and Indiana. The Minneapolis-St. Paul, MN

Metropolitan Statistical Area is comprised of parts of Minnesota and Wisconsin.

³ The West North Central census division also includes the St. Louis, MO Consolidated Metropolitan Statistical Area, which is comprised of parts of Missouri and Illinois.

⁴ The East South Central census division also includes the Louisville, KY Metropolitan Statistical Area, which is comprised of parts of Kentucky and Indiana.

⁵ Although Alaska and Hawaii are included in the Pacific census division, the 1997 NCS excluded these States. In the future, the NCS will be expanded to include these two States.

Survey areas

Geographic coverage⁶

AMARILLO, TX*	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-NIAGRA 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	MSA
DETROIT-ANN ARBOR-FLINT, MI*	CMSA
DORCHESTER, MD	COUNTY
ELKHART-GOSHEN, IN	MSA
FERGUS, MT	COUNTY
FOND DU LAC, WI	COUNTY

⁶ Metropolitan areas are either Metropolitan Statistical Areas (MSA) or Consolidated Metropolitan Statistical Areas (CMSA). 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

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

FORT COLLINS-LOVELAND, CO*	MSA
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
HOUSTON-GALVESTON-BRAZORIA, TX*	CMSA
HUNTSVILLE, AL*	MSA
INDIANAPOLIS, IN*	MSA
IOWA CITY, IA	MSA
JEFFERSON, IN	COUNTY
JOHNSTOWN, PA*	MSA
JUNEAU, WI	COUNTY
KALAMAZOO-BATTLE CREEK, MI	MSA
KANSAS CITY, MO-KS*	MSA
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
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
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