

National Compensation Survey: Occupational Wages in the East North Central Census Division, July 2002



U.S. Department of Labor
Elaine L. Chao, Secretary

Bureau of Labor Statistics
Kathleen P. Utgoff, Commissioner

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Preface

The National Compensation Survey (NCS) provides comprehensive measures of occupational earnings, compensation cost trends, benefit incidence, and detailed benefit provisions. This bulletin focuses on occupational earnings.

The NCS replaced the Occupational Compensation Survey (OCS) in 1996. The major difference between these two surveys is that the OCS used the same preselected list of occupations for all localities. The NCS uses a probability-based sample of establishments and occupations that is intended to represent more fully the employment patterns and occupational mix of each locality.

This bulletin presents aggregated pay data from the metropolitan and nonmetropolitan local area surveys conducted in the East North Central Census Division. (See Technical Note.) The bulletin provides estimates of occupational pay for the census division, as well as selected data by worker and establishment characteristics.

NCS bulletins are published for nine census divisions: New England, Middle Atlantic, East North Central, West North Central, South Atlantic, East South Central, West South Central, Mountain, and Pacific.

For additional information regarding this survey, contact the information staff in the Bureau of Labor Statistics

(BLS) National Office at (202) 691-6199. You may also write to the Bureau of Labor Statistics, 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.

BLS field economists collected and reviewed the survey data. The Office of Compensation and Working Conditions, in cooperation with the Office of Field Operations and the Office of Technology and Survey Processing in the BLS National Office, designed the survey, processed the data, and prepared the survey for publication. The survey could not have been conducted without the cooperation of the many private and government jurisdictions that provided pay data included in this bulletin. BLS thanks these respondents for their cooperation.

Data presented in this bulletin also are displayed in a Portable Document Format (PDF) on the BLS Internet site at <http://www.bls.gov/ncs/home.htm>. Material in the bulletin is in the public domain and, with appropriate credit, may be reproduced without permission. This information will be made available to sensory impaired individuals upon request. Voice phone: (202) 691-5200; Federal Relay Service: 1-800-877-8339.

Contents

Page

Occupational Wages in the East North Central Census Division, July 2002	1
---	---

Tables:

Table 1. Summary, East North Central: Mean hourly earnings and weekly hours by selected characteristics, private industry and State and local government	3
--	---

Table 2. Summary, East North Central: Mean hourly earnings and weekly hours by selected characteristics, metropolitan and nonmetropolitan areas	4
---	---

Table 3. Selected occupations, East North Central: Mean hourly earnings and weekly hours for full-time and part-time workers	5
--	---

Table 4. Selected occupations, East North Central, private industry: Mean hourly earnings for full-time and part-time workers	12
---	----

Table 5. Selected occupations, East North Central, State and local government: Mean hourly earnings and weekly hours for full-time and part-time workers	19
--	----

Table 6. Occupations and levels, East North Central: Mean hourly earnings and weekly hours, private industry and State and local government	22
---	----

Technical Note	48
----------------------	----

Table A. Number of workers represented by the survey, by occupational group, East North Central	50
---	----

Table B. Number of establishments studied by industry group and establishment employment size, East North Central	51
---	----

Occupational Wages in the East North Central Census Division, July 2002

This bulletin provides July 2002 National Compensation Survey (NCS) estimates of occupational pay in the East North Central Census Division. The bulletin highlights average (mean) hourly pay for workers by seven characteristics:

- Private industry and State and local government
- Metropolitan and nonmetropolitan areas
- Selected occupations and major occupational groups
- Full-time and part-time status
- Bargaining status
- Size of establishment
- Work level

Wages in the East North Central Census Division averaged \$17.42 per hour in July 2002. Workers in private industry in the East North Central region averaged \$16.64 per hour, while pay of workers in State and local government averaged \$22.47 per hour. The nationwide hourly average for all workers covered by the survey was \$17.18.

Table 1 in this bulletin provides an overview of average pay for workers in private industry and State and local government by selected worker and establishment characteristics. For example, white-collar workers in private industry averaged \$20.14 per hour; blue-collar workers averaged \$15.34; and service occupations, \$8.49. Corresponding averages in State and local government were \$25.76, \$17.55, and \$16.26. Overall average hourly earnings for private industry workers were lower than those for State and local government workers. Part of this difference can be explained by differences in the occupational and industrial mix of the two sectors. For example, professional specialty and technical occupations are more prevalent in State and local government than in private industry. Conversely, few State and local government workers are in goods-producing industries other than construction.

Full-time workers in the East North Central region averaged \$18.41 per hour, while part-time workers averaged \$9.83. In private industry, full-time workers averaged \$17.67 an hour, and part-time workers averaged \$9.40. For workers in State and local government, average hourly pay was \$22.87 and \$15.92, respectively. Full-time or part-time designation is based on the employer's definition of those terms.

Average hourly pay is generally higher for workers in larger establishments. In the East North Central region, workers in the largest establishments—those with 2,500 or

more workers—had average hourly pay of \$24.77. Workers in the smallest establishment-size category studied (1 to 99 employees) averaged \$14.48.

Table 2 shows that workers in metropolitan areas averaged \$17.73 per hour, while the average pay for workers in nonmetropolitan areas was \$15.11. (See the Technical Note for definitions of metropolitan and non-metropolitan areas.)

Among census divisions, average earnings were generally highest in the Middle Atlantic, Pacific, and New England regions. Average earnings for census divisions, and for other characteristics, can be seen in tables 1 and 2.

Full-time, part-time, and combined average pay rates for occupations in private industry and in State and local governments in the East North Central region are shown in tables 3, 4, and 5. These tables contain wage rates and mean weekly hours for individual occupations and for major occupational groups. For example, all registered nurses averaged \$23.61 per hour (table 3). Registered nurses in private industry averaged \$23.33 (table 4), while their counterparts in State and local government averaged \$25.40 per hour (table 5). Secretaries averaged \$15.16 in private industry and \$13.80 in State and local governments. Janitors and cleaners, a service occupation, averaged \$9.98 in private industry and \$12.60 in State and local government.

Earnings by occupational group and level are shown in table 6. In determining the work level, the Bureau of Labor Statistics applies an *occupational leveling* technique to occupations selected during the collection process, using 10 criteria to level occupations. Usually, results tend to show higher pay at higher levels. In this region, average hourly earnings of white-collar workers ranged from \$7.90 for work level 1 to \$71.76 for level 15. Average earnings of blue-collar workers ranged from \$8.84 (level 1) to \$27.74 (level 10); service workers' average earnings ranged from \$7.16 (level 1) to \$28.96 (level 10). (The Technical Note has more information on occupational leveling.)

Table A in the Technical Note shows the number of workers represented by the surveys in the East North Central Census Division by major occupational group, such as professional specialty and technical, sales, and transportation and material moving. Table B shows the number of establishments studied in the East North Central Census Division by employment size; more establishments were studied in the group having 100 to 499 workers than in any other size category.

TABLE 1. Summary, East North Central: Mean hourly earnings¹ and weekly hours by selected characteristics, private industry and State and local government, National Compensation Survey,² July 2002

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	\$17.42	1.2	35.7	\$16.64	1.3	35.6	\$22.47	2.3	35.9
Worker characteristics:⁴									
White-collar occupations ⁵	21.12	1.7	36.0	20.14	2.3	36.0	25.76	2.3	35.7
Professional specialty and technical ... Executive, administrative, and managerial	26.72	1.7	35.6	25.07	3.3	36.0	30.67	2.2	34.8
Sales	30.73	2.3	39.4	30.54	2.1	39.6	31.87	6.5	38.2
Administrative support	15.28	5.0	33.2	15.28	5.0	33.2	14.66	11.7	28.2
Blue-collar occupations ⁵	13.64	1.3	36.3	13.63	1.6	36.2	13.70	2.9	36.5
Precision production, craft, and repair Machine operators, assemblers, and inspectors	15.43	1.5	38.0	15.34	1.6	38.0	17.55	2.2	36.7
Transportation and material moving ... Handlers, equipment cleaners, helpers, and laborers	19.48	1.9	39.7	19.46	2.0	39.7	19.79	2.3	39.6
Service occupations ⁵	14.07	2.2	39.5	14.07	2.2	39.5	15.87	8.4	40.0
Full time	15.65	1.9	37.3	15.59	2.1	37.9	16.35	3.3	32.1
Part time	12.07	2.7	33.7	11.86	2.6	33.5	15.44	4.9	38.3
Union	10.20	2.3	30.5	8.49	2.7	29.2	16.26	3.0	36.2
Nonunion	18.41	1.2	39.6	17.67	1.4	39.8	22.87	2.5	38.3
Time	9.83	2.1	20.3	9.40	2.0	20.5	15.92	11.3	17.7
Incentive	20.03	1.2	37.5	18.77	1.5	37.7	22.25	3.7	37.0
	16.64	2.0	35.2	16.21	1.6	35.2	22.83	7.0	34.3
	17.20	1.3	35.5	16.34	1.4	35.5	22.47	2.3	35.9
	21.76	11.2	39.1	21.76	11.2	39.1	-	-	-
Establishment characteristics:									
Goods producing	(⁶)	(⁶)	(⁶)	18.35	1.8	39.4	(⁶)	(⁶)	(⁶)
Service producing	(⁶)	(⁶)	(⁶)	15.67	1.6	33.8	(⁶)	(⁶)	(⁶)
1 to 99 workers ⁷	14.48	1.8	34.5	14.40	1.9	34.5	22.80	20.0	35.3
100 to 499 workers	16.96	1.8	36.1	16.47	2.5	36.3	20.24	4.6	35.1
500 to 999 workers	18.93	2.1	37.1	17.66	2.6	37.6	22.58	4.2	35.8
1,000 to 2,499 workers	20.57	3.0	36.1	19.98	3.0	36.6	23.06	4.5	34.1
2,500 workers or more	24.77	2.2	37.6	25.42	2.4	37.7	23.83	3.6	37.4
Geographic areas:⁸									
Metropolitan	17.73	1.3	35.6	16.95	1.4	35.6	23.43	2.4	35.8
Nonmetropolitan	15.11	3.4	36.3	14.05	4.1	36.2	18.71	5.3	36.5
New England	18.61	2.9	34.4	17.73	3.5	34.2	24.55	2.6	35.8
Middle Atlantic	19.79	1.8	34.8	18.93	1.5	34.7	24.69	1.9	35.4
East North Central	17.42	1.2	35.7	16.64	1.3	35.6	22.47	2.3	35.9
West North Central	16.11	4.1	35.3	15.31	4.3	35.0	20.40	3.5	37.2
South Atlantic	15.97	1.9	36.4	15.38	2.4	36.1	18.84	1.2	38.0
East South Central	14.19	5.0	37.1	13.67	5.3	37.1	17.94	4.3	37.2
West South Central	15.39	1.5	36.6	14.81	1.6	36.3	18.24	1.4	38.2
Mountain	15.67	3.6	35.5	14.67	2.6	35.2	21.50	3.2	37.1
Pacific	19.08	1.8	35.8	18.01	2.4	35.9	24.87	.8	35.6

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

² In this census division, data were collected between December 2001 and January 2003. The average reference period was July 2002.

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 Technical Note.

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 Technical Note for more information.

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

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

⁸ Data are presented for metropolitan and nonmetropolitan area divisions as well as nine census divisions. See Technical Note for a list of States making up the nine census divisions.

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

TABLE 2. Summary, East North Central: Mean hourly earnings¹ and weekly hours by selected characteristics, metropolitan and nonmetropolitan areas,² National Compensation Survey,³ July 2002

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	\$17.42	1.2	35.7	\$17.73	1.3	35.6	\$15.11	3.4	36.3
Private Industry	16.64	1.3	35.6	16.95	1.4	35.6	14.05	4.1	36.2
State and local government	22.47	2.3	35.9	23.43	2.4	35.8	18.71	5.3	36.5
Worker characteristics:⁵									
White-collar occupations ⁶	21.12	1.7	36.0	21.44	1.8	35.9	18.05	4.4	36.3
Professional specialty and technical ...	26.72	1.7	35.6	27.10	1.9	35.6	23.51	4.4	35.6
Executive, administrative, and managerial	30.73	2.3	39.4	30.97	2.4	39.4	27.22	9.6	39.0
Sales	15.28	5.0	33.2	15.50	5.1	33.2	11.57	7.1	33.9
Administrative support	13.64	1.3	36.3	13.81	1.2	36.2	12.44	6.5	36.9
Blue-collar occupations ⁶	15.43	1.5	38.0	15.62	1.4	38.0	14.32	4.0	38.2
Precision production, craft, and repair Machine operators, assemblers, and inspectors	19.48	1.9	39.7	19.87	1.9	39.7	16.82	5.5	39.5
Transportation and material moving ...	14.07	2.2	39.5	14.11	1.9	39.4	13.87	7.3	39.6
Handlers, equipment cleaners, helpers, and laborers	15.65	1.9	37.3	15.63	2.6	37.3	15.84	13.3	37.6
Service occupations ⁶	12.07	2.7	33.7	12.19	3.0	33.8	11.27	4.5	33.5
Full time	10.20	2.3	30.5	10.22	2.5	30.3	10.06	5.0	32.0
Part time	18.41	1.2	39.6	18.77	1.3	39.6	15.78	3.8	39.4
Union	9.83	2.1	20.3	9.94	2.4	20.2	8.82	4.8	20.8
Nonunion	20.03	1.2	37.5	20.25	1.2	37.5	18.68	3.6	37.5
Time	16.64	2.0	35.2	17.00	2.0	35.1	13.77	4.8	35.9
Incentive	17.20	1.3	35.5	17.49	1.4	35.5	15.00	4.1	36.0
Time	21.76	11.2	39.1	22.48	12.1	38.6	17.07	9.0	43.0
Establishment characteristics:									
Goods producing ⁷	18.35	1.8	39.4	-	-	-	-	-	-
Service producing ⁷	15.67	1.6	33.8	-	-	-	-	-	-
1 to 99 workers ⁸	14.48	1.8	34.5	14.62	1.8	34.3	13.13	7.5	35.7
100 to 499 workers	16.96	1.8	36.1	17.51	1.8	36.2	14.69	4.1	35.8
500 to 999 workers	18.93	2.1	37.1	19.18	1.3	36.8	17.92	7.9	38.3
1,000 to 2,499 workers	20.57	3.0	36.1	20.53	3.2	35.9	-	-	-
2,500 workers or more	24.77	2.2	37.6	24.77	2.2	37.6	-	-	-
Geographic areas:⁹									
New England	18.61	2.9	34.4	18.99	2.9	34.4	14.66	9.4	34.5
Middle Atlantic	19.79	1.8	34.8	19.97	1.8	34.8	15.83	3.8	34.9
East North Central	17.42	1.2	35.7	17.73	1.3	35.6	15.11	3.4	36.3
West North Central	16.11	4.1	35.3	16.82	4.7	35.3	13.38	6.2	35.3
South Atlantic	15.97	1.9	36.4	16.26	2.1	36.3	13.83	3.4	37.1
East South Central	14.19	5.0	37.1	15.06	4.0	36.5	12.37	11.5	38.5
West South Central	15.39	1.5	36.6	15.49	1.7	36.7	14.45	6.5	36.3
Mountain	15.67	3.6	35.5	15.67	4.2	35.5	15.70	1.3	35.7
Pacific	19.08	1.8	35.8	19.22	1.9	35.9	16.10	1.6	34.8

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

² A metropolitan area 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.

³ In this census division, data were collected between December 2001 and January 2003. The average reference period was July 2002.

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 Technical Note.

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 Technical Note for more information.

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

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

⁹ Data are presented for metropolitan and nonmetropolitan area divisions as well as nine census divisions. See Technical Note for a list of States making up the nine census divisions.

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

TABLE 3. Selected occupations, East North Central: Mean hourly earnings¹ and weekly hours for full-time and part-time workers,² National Compensation Survey,³ July 2002

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	\$17.42	1.2	35.7	\$18.41	1.2	39.6	\$9.83	2.1	20.3
All, excluding sales	17.61	1.3	35.9	18.46	1.3	39.5	10.26	2.8	20.2
White collar	21.12	1.7	36.0	22.09	1.5	39.5	12.70	2.8	20.4
White collar, excluding sales	22.28	1.5	36.6	22.83	1.5	39.3	15.73	3.8	20.1
Professional specialty and technical	26.72	1.7	35.6	27.17	1.8	38.9	21.70	5.4	18.3
Professional specialty	28.97	2.3	35.5	29.46	2.2	38.7	23.52	6.3	18.2
Engineers, architects, and surveyors	31.15	4.5	40.7	31.10	4.6	40.8	-	-	-
Aerospace engineers	41.77	8.0	36.9	40.29	10.1	40.0	-	-	-
Metallurgical and materials engineers	33.81	10.3	40.0	33.81	10.3	40.0	-	-	-
Civil engineers	28.12	3.5	40.6	28.12	3.5	40.6	-	-	-
Electrical and electronic engineers	33.61	10.3	41.9	33.61	10.3	41.9	-	-	-
Industrial engineers	28.22	4.7	40.4	28.23	4.7	40.5	-	-	-
Mechanical engineers	28.51	6.7	40.8	28.51	6.7	40.8	-	-	-
Engineers, n.e.c.	34.78	3.4	40.0	34.78	3.4	40.0	-	-	-
Mathematical and computer scientists	29.55	3.4	39.9	29.52	3.4	39.9	-	-	-
Computer systems analysts and scientists	29.31	4.1	39.9	29.28	4.1	39.9	-	-	-
Operations and systems researchers and analysts	33.15	6.5	39.7	33.15	6.5	39.7	-	-	-
Natural scientists	29.76	10.5	40.4	29.89	10.7	40.8	-	-	-
Chemists, except biochemists	32.12	5.5	40.0	32.12	5.5	40.0	-	-	-
Physical scientists, n.e.c.	30.32	16.5	39.2	30.41	17.0	40.1	-	-	-
Biological and life scientists	39.10	27.5	39.0	39.78	27.6	40.0	-	-	-
Medical scientists	24.54	9.4	42.2	24.59	9.3	42.6	-	-	-
Health related	27.12	3.4	32.4	26.80	3.3	39.6	28.37	8.8	18.9
Physicians	50.44	11.6	38.6	43.99	10.6	44.3	119.77	21.0	16.1
Registered nurses	23.61	2.3	31.5	23.40	2.5	39.0	24.28	4.1	19.2
Pharmacists	36.73	3.9	34.0	36.47	4.6	40.0	37.99	2.3	19.6
Dietitians	20.53	3.0	31.2	20.30	3.9	39.9	21.25	4.4	18.7
Respiratory therapists	18.89	2.1	36.2	18.65	2.3	39.3	20.78	4.8	22.2
Occupational therapists	24.60	5.3	31.4	24.08	6.0	39.2	27.91	8.6	13.9
Physical therapists	27.92	3.0	33.3	27.02	3.3	39.9	34.35	11.2	15.3
Speech therapists	33.00	6.6	30.8	35.25	6.7	37.2	-	-	-
Therapists, n.e.c.	18.48	6.5	37.0	18.62	7.0	39.4	15.80	4.7	17.3
Physicians' assistants	27.65	3.5	37.0	-	-	-	-	-	-
Teachers, college and university	40.24	4.6	34.3	41.15	4.3	39.0	27.68	5.9	12.9
Biological science teachers	50.02	25.1	38.3	53.67	21.6	41.3	-	-	-
Chemistry teachers	34.32	10.7	33.9	34.82	11.4	38.5	-	-	-
Psychology teachers	33.72	16.5	33.7	-	-	-	-	-	-
Engineering teachers	59.25	20.0	35.6	59.55	20.1	39.1	-	-	-
Mathematical science teachers	44.37	3.4	37.1	44.70	2.9	38.8	-	-	-
Computer science teachers	44.23	17.7	31.0	44.96	17.1	37.8	-	-	-
Medical science teachers	51.61	20.8	50.3	51.61	20.8	50.3	-	-	-
Health specialties teachers	39.23	15.3	39.4	39.21	15.5	40.6	-	-	-
Business, commerce, and marketing teachers ..	39.56	10.4	28.9	39.44	11.5	40.2	40.57	4.0	8.7
Art, drama, and music teachers	28.99	9.7	34.9	28.87	10.0	39.1	31.02	11.5	12.9
Physical education teachers	27.14	12.0	37.0	27.14	12.0	37.0	-	-	-
Education teachers	40.14	8.1	36.3	40.45	7.4	37.8	-	-	-
English teachers	50.90	14.3	36.3	51.57	13.5	38.2	-	-	-
Theology teachers	30.10	13.4	39.4	30.10	13.4	39.4	-	-	-
Other post-secondary teachers	35.22	7.4	27.8	37.41	8.1	36.9	27.37	6.4	14.7
Teachers, except college and university	29.56	3.6	33.1	30.75	3.5	35.9	15.48	8.8	17.3
Prekindergarten and kindergarten	15.51	16.8	33.7	17.82	15.6	37.9	10.45	13.3	27.0
Elementary school teachers	32.16	3.2	35.0	32.31	3.1	35.3	22.09	8.9	22.6
Secondary school teachers	33.19	2.8	35.9	33.24	2.9	36.2	25.99	10.2	17.6
Teachers, special education	31.96	6.0	36.0	31.96	6.0	36.0	-	-	-
Teachers, n.e.c.	28.47	8.7	28.4	30.26	10.6	35.9	19.22	13.3	13.7
Substitute teachers	12.77	8.4	14.6	-	-	-	12.28	9.3	13.2
Vocational and educational counselors	22.89	8.3	36.6	22.98	9.0	38.1	-	-	-
Librarians, archivists, and curators	22.89	5.2	36.5	23.53	5.5	38.9	15.47	6.8	21.3
Librarians	24.01	5.6	36.7	24.59	5.9	38.9	15.86	4.5	20.2
Archivists and curators	16.60	11.5	35.4	16.98	11.1	38.4	-	-	-
Social scientists and urban planners	26.81	17.4	34.1	26.74	17.8	38.6	-	-	-
Psychologists	29.91	18.0	37.4	29.86	18.6	38.2	-	-	-

See footnotes at end of table.

TABLE 3. Selected occupations, East North Central: Mean hourly earnings¹ and weekly hours for full-time and part-time workers,² National Compensation Survey,³ July 2002—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									
Social scientists and urban planners—Continued									
Urban planners	\$21.23	10.3	16.2	\$21.83	10.6	39.1	—	—	—
Social, recreation, and religious workers	17.79	4.3	36.6	17.95	4.7	38.9	—	—	—
Social workers	17.87	4.6	37.0	17.97	5.1	38.8	—	—	—
Recreation workers	16.61	9.6	30.6	17.71	6.5	39.2	—	—	—
Clergy	19.06	9.2	36.8	19.55	8.9	39.4	—	—	—
Lawyers and judges	50.45	12.8	38.8	51.05	13.2	39.9	—	—	—
Lawyers	50.58	13.0	38.8	51.20	13.4	39.9	—	—	—
Writers, authors, entertainers, athletes, and professionals, n.e.c.	24.63	12.1	35.8	25.34	11.8	39.3	\$15.23	22.4	16.2
Technical writers	22.76	10.9	39.0	24.75	9.9	40.0	—	—	—
Designers	25.15	12.9	39.7	25.42	13.0	40.2	—	—	—
Musicians and composers	45.04	30.6	14.0	45.91	31.7	30.2	—	—	—
Actors and directors	29.08	26.5	37.9	31.73	17.8	39.6	—	—	—
Painters, sculptors, craft artists, and artist printmakers	18.53	15.7	38.4	19.48	16.6	39.5	—	—	—
Photographers	21.12	9.5	36.9	19.07	11.3	39.7	—	—	—
Editors and reporters	21.77	10.1	39.2	21.65	9.8	39.5	—	—	—
Announcers	13.68	25.0	27.1	—	—	—	—	—	—
Athletes	42.31	12.0	35.5	43.80	9.6	39.8	16.29	6.6	12.4
Professional, n.e.c.	26.94	13.6	37.8	27.17	13.6	39.7	—	—	—
Technical	19.52	1.9	36.1	19.84	2.1	39.5	16.12	3.5	18.8
Clinical laboratory technologists and technicians	17.67	2.8	35.5	17.79	2.9	39.9	17.00	3.4	22.3
Dental hygienists	23.71	5.5	21.4	—	—	—	22.01	3.1	16.5
Health record technologists and technicians	15.07	3.5	32.7	14.84	4.0	39.4	—	—	—
Radiological technicians	22.92	6.2	32.9	23.75	7.1	39.2	19.67	6.5	20.2
Licensed practical nurses	15.68	1.2	35.4	15.69	1.3	39.8	15.61	2.2	19.6
Health technologists and technicians, n.e.c.	15.37	6.2	32.9	15.87	7.1	40.4	12.59	6.1	16.1
Electrical and electronic technicians	22.69	1.6	39.2	22.81	1.7	39.9	—	—	—
Industrial engineering technicians	21.83	9.0	40.7	21.83	9.0	40.7	—	—	—
Mechanical engineering technicians	21.59	6.7	40.4	21.59	6.7	40.4	—	—	—
Engineering technicians, n.e.c.	21.21	9.6	39.4	22.30	9.2	39.7	—	—	—
Drafters	18.54	5.3	40.0	18.54	5.3	40.0	—	—	—
Surveying and mapping technicians	17.47	8.2	39.6	17.47	8.2	39.6	—	—	—
Biological technicians	15.73	4.7	39.5	15.73	4.7	39.5	—	—	—
Chemical technicians	20.34	6.5	39.7	20.34	6.5	39.7	—	—	—
Science technicians, n.e.c.	19.96	4.7	39.9	19.96	4.7	39.9	—	—	—
Airplane pilots and navigators	67.67	29.5	19.9	95.52	14.1	24.0	—	—	—
Broadcast equipment operators	15.63	8.6	31.7	16.56	7.9	39.9	—	—	—
Computer programmers	22.71	10.5	39.7	22.45	10.6	39.7	—	—	—
Tool programmers, numerical control	21.99	13.4	40.0	21.99	13.4	40.0	—	—	—
Legal assistants	24.49	12.5	37.7	24.49	12.5	37.7	—	—	—
Technical and related, n.e.c.	18.21	5.8	39.5	18.25	5.9	39.8	13.23	10.5	20.1
Executive, administrative, and managerial									
Executives, administrators, and managers	34.10	2.8	39.9	34.09	2.7	40.5	22.40	23.6	20.1
Legislators	20.15	31.8	6.9	—	—	—	35.05	11.2	17.9
Administrators and officials, public administration	31.30	4.5	38.9	31.31	4.5	39.1	18.36	37.9	5.7
Financial managers	31.96	3.2	41.1	31.97	3.2	41.1	—	—	—
Personnel and labor relations managers	49.77	7.9	44.3	49.77	7.9	44.3	—	—	—
Purchasing managers	32.14	7.0	39.9	32.14	7.0	39.9	—	—	—
Managers, marketing, advertising, and public relations	37.97	2.6	41.4	37.97	2.6	41.4	—	—	—
Administrators, education and related fields	38.16	3.9	39.2	38.20	3.8	39.4	—	—	—
Managers, medicine and health	36.40	13.4	39.3	36.50	13.5	39.6	—	—	—
Managers, food servicing and lodging establishments	17.70	19.1	45.7	17.66	19.4	46.0	—	—	—
Managers, properties and real estate	36.57	20.6	40.0	36.57	20.6	40.0	—	—	—

See footnotes at end of table.

TABLE 3. Selected occupations, East North Central: Mean hourly earnings¹ and weekly hours for full-time and part-time workers,² National Compensation Survey,³ July 2002—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									
Managers, service organizations, n.e.c.	\$26.51	5.2	37.8	\$26.56	5.2	37.8	—	—	—
Managers and administrators, n.e.c.	35.55	3.4	39.7	35.49	3.4	40.5	—	—	—
Management related	24.06	1.2	38.5	24.43	1.3	39.8	\$15.15	6.0	21.7
Accountants and auditors	22.51	2.2	37.5	22.89	2.2	39.6	—	—	—
Underwriters	26.03	9.0	38.2	26.03	9.0	38.2	—	—	—
Other financial officers	25.22	8.6	39.1	26.13	6.4	39.8	—	—	—
Management analysts	29.81	6.2	39.6	29.74	6.2	39.9	—	—	—
Personnel, training, and labor relations specialists	23.74	6.6	37.4	24.27	6.8	39.8	—	—	—
Buyers, wholesale and retail trade, except farm products	22.63	8.8	41.8	22.63	8.8	41.8	—	—	—
Purchasing agents and buyers, n.e.c.	25.81	6.4	39.4	25.86	6.5	40.4	—	—	—
Construction inspectors	23.63	10.6	39.5	23.64	10.6	39.7	—	—	—
Inspectors and compliance officers, except construction	20.60	2.4	39.3	20.60	2.4	39.3	—	—	—
Management related, n.e.c.	24.01	3.5	38.7	24.25	3.4	39.8	14.32	22.2	18.9
Sales	15.28	5.0	33.2	17.63	4.2	40.5	7.65	2.3	20.9
Supervisors, sales	18.78	8.4	41.0	18.79	8.4	41.0	—	—	—
Insurance sales	20.10	21.0	38.6	20.12	21.1	38.9	—	—	—
Real estate sales	20.42	20.3	39.5	20.42	20.3	39.5	—	—	—
Securities and financial services sales	35.49	10.0	39.7	35.69	10.0	40.2	—	—	—
Advertising and related sales	21.90	5.7	39.8	21.92	5.8	39.9	—	—	—
Sales, other business services	19.87	5.5	40.8	19.88	5.5	40.8	—	—	—
Sales engineers	28.91	17.1	41.5	28.91	17.1	41.5	—	—	—
Sales representatives, mining, manufacturing, and wholesale	24.37	4.7	39.3	24.49	4.6	40.7	—	—	—
Sales workers, motor vehicles and boats	14.95	9.9	44.2	14.95	9.9	44.2	—	—	—
Sales workers, apparel	9.32	8.5	25.7	11.15	3.9	38.2	7.71	5.8	20.0
Sales workers, furniture and home furnishings ..	12.00	10.7	27.7	16.03	4.6	43.9	—	—	—
Sales workers, hardware and building supplies ..	14.26	18.9	35.4	15.77	18.7	40.4	8.39	5.6	23.9
Sales workers, parts	11.01	7.1	32.6	11.28	7.1	39.7	9.73	9.6	17.9
Sales workers, other commodities	13.05	19.6	30.3	16.24	16.9	40.8	7.69	1.9	21.1
Sales counter clerks	8.57	6.3	30.7	9.04	9.2	39.5	7.55	3.0	20.6
Cashiers	7.81	2.4	28.5	8.23	2.6	39.2	7.28	2.4	21.2
Sales support, n.e.c.	13.58	7.7	35.9	15.25	4.6	41.7	7.32	4.4	23.6
Administrative support, including clerical	13.64	1.3	36.3	14.03	1.3	39.3	10.20	2.3	21.7
Supervisors, general office	19.12	5.2	39.4	19.13	5.2	39.4	—	—	—
Supervisors, financial records processing	18.66	5.2	39.6	18.66	5.2	39.6	—	—	—
Supervisors, distribution, scheduling, and adjusting clerks	18.62	8.0	39.5	18.69	8.3	40.1	—	—	—
Peripheral equipment operators	12.06	6.6	39.2	12.06	6.6	39.2	—	—	—
Secretaries	14.76	2.3	37.2	14.96	2.5	39.2	11.90	5.5	21.4
Stenographers	17.69	21.6	34.9	14.73	6.7	38.5	—	—	—
Typists	12.53	4.8	36.4	12.62	4.7	39.0	11.82	10.7	24.1
Interviewers	9.33	5.8	28.7	10.07	6.1	39.9	—	—	—
Hotel clerks	8.16	2.3	35.0	8.17	2.6	39.5	8.08	4.9	22.4
Transportation ticket and reservation agents	13.45	10.0	36.0	13.98	11.0	40.0	—	—	—
Receptionists	10.66	5.8	35.7	10.92	6.8	39.6	8.88	6.0	21.4
Information clerks, n.e.c.	13.89	7.2	37.7	14.06	7.7	39.5	9.97	2.9	18.6
Order clerks	13.15	3.2	34.6	13.92	2.9	39.9	9.43	7.0	21.1
Personnel clerks, except payroll and timekeeping	14.47	10.9	38.6	14.43	11.2	39.1	—	—	—
Library clerks	10.63	5.9	27.5	11.15	8.9	38.4	9.53	7.4	17.2
File clerks	9.52	3.5	31.0	10.11	1.4	39.7	8.17	5.3	20.6
Records clerks, n.e.c.	12.68	4.0	38.3	12.81	4.0	39.0	9.86	6.3	27.0
Bookkeepers, accounting and auditing clerks ...	13.04	2.7	36.2	13.21	2.4	39.2	11.35	5.1	20.5

See footnotes at end of table.

TABLE 3. Selected occupations, East North Central: Mean hourly earnings¹ and weekly hours for full-time and part-time workers,² National Compensation Survey,³ July 2002—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									
Payroll and timekeeping clerks	\$15.94	6.2	38.1	\$16.28	5.9	39.7	\$10.13	12.1	22.0
Billing clerks	14.16	4.3	37.1	14.60	3.6	39.3	10.31	4.7	24.9
Duplicating machine operators	13.06	9.2	39.3	13.06	9.2	39.3	—	—	—
Mail preparing and paper handling machine operators	10.62	7.7	39.8	10.62	7.7	39.8	—	—	—
Telephone operators	12.85	11.6	34.2	13.37	11.1	39.0	9.67	4.6	19.4
Mail clerks, except postal service	12.45	13.2	33.4	13.31	13.0	39.4	8.14	5.1	18.9
Dispatchers	14.44	5.5	38.4	14.94	6.1	40.2	10.13	9.7	27.5
Production coordinators	17.21	5.7	39.8	17.21	5.7	39.8	—	—	—
Traffic, shipping and receiving clerks	12.66	8.3	39.5	12.70	8.5	40.0	10.25	9.7	22.7
Stock and inventory clerks	13.17	3.8	36.9	13.45	4.2	39.6	9.80	8.5	20.3
Meter readers	15.32	7.3	39.8	15.31	7.5	40.0	—	—	—
Weighers, measurers, checkers, and samplers	16.68	9.5	40.0	16.68	9.5	40.0	—	—	—
Expeditors	13.84	17.3	30.3	16.43	14.3	40.0	—	—	—
Material recording, scheduling, and distribution clerks, n.e.c.	18.38	8.7	38.9	18.67	8.3	40.0	—	—	—
Insurance adjusters, examiners, and investigators	23.48	20.8	37.1	24.23	19.2	38.6	—	—	—
Investigators and adjusters, except insurance ...	13.85	8.5	38.2	13.91	9.0	39.7	13.06	9.9	24.3
Eligibility clerks, social welfare	13.50	6.6	39.6	13.50	6.6	39.6	—	—	—
Bill and account collectors	12.51	9.5	37.7	12.79	10.5	39.8	—	—	—
General office clerks	12.24	1.5	35.0	12.63	1.9	39.0	9.91	4.9	21.5
Bank tellers	9.71	2.3	34.6	9.85	2.5	39.5	9.01	3.5	21.8
Data entry keyers	12.21	11.6	36.9	12.69	12.3	39.5	9.26	10.5	26.2
Statistical clerks	14.59	8.0	36.8	15.01	7.5	40.0	—	—	—
Teachers' aides	11.19	5.2	32.9	11.40	6.0	35.0	10.12	5.2	25.1
Administrative support, n.e.c.	13.57	3.0	35.4	14.13	3.2	39.2	9.97	3.4	21.8
Blue collar	15.43	1.5	38.0	15.82	1.5	39.9	9.14	2.3	21.3
Precision production, craft, and repair									
Supervisors, mechanics and repairers	19.48	1.9	39.7	19.53	2.0	39.9	13.06	14.4	19.7
Automobile mechanics	24.11	6.9	40.5	24.25	7.0	40.8	—	—	—
Bus, truck, and stationary engine mechanics	16.72	6.9	40.0	16.74	6.9	40.0	—	—	—
Automobile body and related repairers	17.49	6.6	39.5	17.51	6.6	40.1	—	—	—
Aircraft mechanics, except engine	16.27	4.5	40.0	16.27	4.5	40.0	—	—	—
Heavy equipment mechanics	25.03	4.3	40.0	25.03	4.3	40.0	—	—	—
Industrial machinery repairers	18.42	13.1	39.7	18.42	13.1	39.7	—	—	—
Machinery maintenance	20.79	3.8	39.8	20.75	3.7	40.0	—	—	—
Electronic repairers, communications and industrial equipment	15.76	8.0	37.7	15.76	8.0	37.7	—	—	—
Household appliance and power tool repairers	19.73	10.8	39.7	19.73	10.8	39.7	—	—	—
Telephone installers and repairers	15.78	15.1	34.8	15.89	16.5	37.5	—	—	—
Heating, air conditioning, and refrigeration mechanics	18.89	6.7	40.0	18.89	6.7	40.0	—	—	—
Office machine repairers	16.16	5.6	38.9	16.05	5.3	40.0	—	—	—
Mechanical controls and valve repairers	14.41	10.6	40.0	14.41	10.6	40.0	—	—	—
Millwrights	18.56	3.6	36.2	19.59	5.0	40.0	—	—	—
Mechanics and repairers, n.e.c.	24.24	2.3	40.0	24.24	2.3	40.0	—	—	—
Supervisors, carpenters and related workers	16.31	4.5	38.3	16.70	4.1	40.0	—	—	—
Supervisors, electricians and power transmission installers	25.52	9.0	40.0	25.52	9.0	40.0	—	—	—
Supervisors, plumbers, pipefitters, and steamfitters	30.64	3.8	41.4	30.64	3.8	41.4	—	—	—
Supervisors, construction trades, n.e.c.	24.90	13.3	45.9	24.90	13.3	45.9	—	—	—
Brickmasons and stonemasons	22.67	8.2	39.3	22.67	8.2	39.3	—	—	—
Carpenters	23.70	6.6	40.0	23.70	6.6	40.0	—	—	—
Electricians	22.12	5.5	39.8	22.12	5.5	39.9	—	—	—
Electrician apprentices	23.36	3.6	39.4	23.39	3.6	40.0	—	—	—
Electrical power installers and repairers	15.47	3.3	39.2	15.47	3.3	39.2	—	—	—
	25.17	4.6	40.0	25.17	4.6	40.0	—	—	—

See footnotes at end of table.

TABLE 3. Selected occupations, East North Central: Mean hourly earnings¹ and weekly hours for full-time and part-time workers,² National Compensation Survey,³ July 2002–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									
Painters, construction and maintenance	\$16.30	13.1	39.8	\$16.30	13.1	39.8	–	–	–
Plumbers, pipefitters and steamfitters	23.07	5.2	39.4	23.18	5.2	39.8	–	–	–
Concrete and terrazzo finishers	22.06	10.9	40.0	22.06	10.9	40.0	–	–	–
Roofers	21.62	5.1	40.0	21.62	5.1	40.0	–	–	–
Construction trades, n.e.c.	18.88	9.9	39.4	18.90	10.0	39.5	–	–	–
Supervisors, production	21.66	3.2	40.4	21.66	3.2	40.4	–	–	–
Tool and die makers	23.13	2.9	40.0	23.13	2.9	40.0	–	–	–
Tool and die maker apprentices	17.69	9.4	39.5	17.69	9.4	39.5	–	–	–
Precision assemblers, metal	20.11	6.6	40.0	20.11	6.6	40.0	–	–	–
Machinists	19.63	6.6	39.8	19.66	6.7	40.0	–	–	–
Precision grinders, filers, and tool sharpeners ...	16.61	13.2	40.0	16.61	13.2	40.0	–	–	–
Patternmakers and modelmakers, metal	21.67	14.2	40.0	21.67	14.2	40.0	–	–	–
Cabinet makers and bench carpenters	11.87	17.0	39.9	11.87	17.0	39.9	–	–	–
Dental laboratory and medical appliance technicians	13.78	1.4	40.0	13.78	1.4	40.0	–	–	–
Bookbinders	13.43	13.9	39.5	13.43	13.9	39.5	–	–	–
Electrical and electronic equipment assemblers	10.56	11.0	40.0	10.56	11.0	40.0	–	–	–
Butchers and meat cutters	11.47	13.4	37.7	11.46	14.2	40.0	–	–	–
Bakers	11.83	7.3	36.8	11.97	7.5	38.2	–	–	–
Food batchmakers	15.44	10.7	40.0	15.44	10.7	40.0	–	–	–
Inspectors, testers, and graders	18.85	7.4	40.0	18.87	7.4	40.1	–	–	–
Water and sewer treatment plant operators	18.37	3.8	40.0	18.37	3.8	40.0	–	–	–
Stationary engineers	24.76	6.7	39.6	24.76	6.7	39.6	–	–	–
Miscellaneous plant and system operators, n.e.c.	18.27	10.0	40.0	18.27	10.0	40.0	–	–	–
Machine operators, assemblers, and inspectors	14.07	2.2	39.5	14.16	2.3	39.8	\$9.28	2.7	26.1
Lathe and turning machine set-up operators	17.66	6.3	40.0	17.66	6.3	40.0	–	–	–
Lathe and turning machine operators	16.03	7.7	40.0	16.03	7.7	40.0	–	–	–
Milling and planing machine operators	12.81	12.1	40.0	12.81	12.1	40.0	–	–	–
Punching and stamping press operators	13.27	13.4	40.0	13.26	13.4	40.0	–	–	–
Rolling machine operators	14.45	5.2	40.0	14.45	5.2	40.0	–	–	–
Drilling and boring machine operators	12.22	16.3	40.0	12.22	16.3	40.0	–	–	–
Grinding, abrading, buffing, and polishing machine operators	13.44	5.7	37.1	13.84	5.1	39.9	–	–	–
Forging machine operators	15.29	9.8	40.0	15.29	9.8	40.0	–	–	–
Numerical control machine operators	14.85	6.5	40.0	14.85	6.5	40.0	–	–	–
Fabricating machine operators, n.e.c.	16.46	4.1	39.8	16.46	4.1	39.8	–	–	–
Molding and casting machine operators	12.27	3.2	39.7	12.31	3.3	39.9	–	–	–
Metal plating machine operators	13.20	8.4	38.7	13.20	8.4	38.7	–	–	–
Heat treating equipment operators	15.38	4.3	40.0	15.38	4.3	40.0	–	–	–
Wood lathe, routing, and planing machine operators	12.80	5.2	39.5	12.80	5.2	39.5	–	–	–
Shaping and jointing machine operators	12.82	4.7	40.0	12.82	4.7	40.0	–	–	–
Printing press operators	15.34	6.0	39.3	15.36	6.1	39.5	–	–	–
Photoengravers and lithographers	17.43	11.0	38.5	17.43	11.0	38.5	–	–	–
Typesetters and compositors	12.40	20.6	30.6	–	–	–	–	–	–
Textile sewing machine operators	13.54	15.7	39.5	13.59	15.7	40.0	–	–	–
Pressing machine operators	9.14	2.9	38.6	9.13	3.1	40.0	–	–	–
Laundry and dry cleaning machine operators	8.39	4.5	36.9	8.48	4.6	38.3	–	–	–
Packaging and filling machine operators	14.59	7.5	39.2	14.66	7.4	39.8	–	–	–
Extruding and forming machine operators	13.74	6.1	39.2	13.74	6.1	39.2	–	–	–
Mixing and blending machine operators	17.35	9.5	39.6	17.36	9.6	39.9	–	–	–
Separating, filtering, and clarifying machine operators	19.85	2.6	40.0	19.85	2.6	40.0	–	–	–
Compressing and compacting machine operators	11.88	5.4	39.8	11.88	5.4	39.8	–	–	–
Painting and paint spraying machine operators	13.60	4.6	39.8	13.60	4.6	39.8	–	–	–
Folding machine operators	13.85	7.1	40.0	13.85	7.1	40.0	–	–	–
Furnace, kiln, and oven operators, except food	14.45	12.7	40.0	14.45	12.7	40.0	–	–	–
Slicing and cutting machine operators	14.26	8.0	40.0	14.26	8.0	40.0	–	–	–

See footnotes at end of table.

TABLE 3. Selected occupations, East North Central: Mean hourly earnings¹ and weekly hours for full-time and part-time workers,² National Compensation Survey,³ July 2002—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									
Photographic process machine operators	\$11.64	13.0	39.1	\$11.71	13.7	40.0	—	—	—
Miscellaneous machine operators, n.e.c.	14.20	5.0	39.6	14.28	5.0	39.8	\$8.81	4.0	28.3
Welders and cutters	16.30	3.7	39.9	16.30	3.7	39.9	—	—	—
Assemblers	13.86	5.4	39.5	14.02	5.6	39.9	—	—	—
Miscellaneous hand working, n.e.c.	12.11	8.8	38.7	12.14	8.7	38.9	—	—	—
Production inspectors, checkers and examiners	15.03	6.4	40.0	15.03	6.4	40.0	—	—	—
Production testers	14.07	5.4	39.8	14.07	5.4	39.8	—	—	—
Transportation and material moving	15.65	1.9	37.3	16.18	1.8	40.4	10.33	6.4	21.0
Supervisors, motor vehicle operators	20.01	10.4	44.0	20.01	10.4	44.0	—	—	—
Truck drivers	15.90	2.7	40.2	16.09	2.8	40.9	9.22	5.7	24.6
Driver-sales workers	11.01	15.7	30.7	13.12	12.6	40.8	7.00	15.2	20.9
Bus drivers	14.96	2.9	27.7	15.63	3.7	36.7	14.12	4.7	21.2
Taxicab drivers and chauffeurs	8.49	11.3	28.3	9.58	16.5	40.0	—	—	—
Motor transportation, n.e.c.	8.52	8.8	21.9	12.86	13.9	38.7	6.70	3.8	18.5
Supervisors, material moving equipment	20.19	4.7	41.4	20.19	4.7	41.4	—	—	—
Operating engineers	23.11	3.3	39.4	23.11	3.3	39.4	—	—	—
Crane and tower operators	15.00	5.4	40.0	15.00	5.4	40.0	—	—	—
Excavating and loading machine operators	17.92	19.1	40.0	17.92	19.1	40.0	—	—	—
Grader, dozer, and scrapper operators	18.00	21.1	40.0	18.00	21.1	40.0	—	—	—
Industrial truck and tractor equipment operators	14.85	3.0	39.3	14.87	3.1	39.7	14.03	5.0	22.4
Miscellaneous material moving equipment operators, n.e.c.	15.43	3.1	36.1	15.97	3.6	40.0	—	—	—
Handlers, equipment cleaners, helpers, and laborers	12.07	2.7	33.7	12.93	3.0	39.7	8.50	3.1	20.8
Supervisors, agriculture-related workers	19.86	8.9	40.0	19.86	8.9	40.0	—	—	—
Groundskeepers and gardeners, except farm ...	12.77	6.8	34.4	13.95	5.8	39.5	8.69	4.3	23.8
Animal caretakers, except farm	12.02	18.9	31.1	13.87	15.9	37.7	—	—	—
Supervisors, handlers, equipment cleaners, and laborers, n.e.c.	17.00	8.5	38.9	17.06	9.0	40.1	—	—	—
Helpers, mechanics and repairers	16.00	10.4	39.7	16.00	10.4	39.7	—	—	—
Helpers, construction trades	15.93	11.7	37.1	16.37	11.4	40.0	—	—	—
Construction laborers	18.64	7.3	37.7	18.62	6.0	40.0	—	—	—
Production helpers	11.40	4.1	37.5	11.58	3.6	39.9	—	—	—
Stock handlers and baggers	10.03	5.1	27.9	11.94	5.7	39.4	7.42	2.4	20.0
Machine feeders and offbearers	10.87	5.8	38.7	11.00	5.9	40.0	—	—	—
Freight, stock, and material handlers, n.e.c.	14.22	9.8	33.3	14.92	9.3	39.5	10.99	4.6	19.3
Garage and service station related	10.27	20.0	37.3	10.67	22.5	39.9	—	—	—
Vehicle washers and equipment cleaners	11.32	10.0	32.7	12.38	10.1	39.3	6.42	3.0	18.5
Hand packers and packagers	9.58	10.2	37.0	9.67	11.3	39.7	8.82	7.3	23.6
Laborers, except construction, n.e.c.	11.57	8.4	35.7	12.15	8.7	40.0	8.85	8.3	23.7
Service	10.20	2.3	30.5	11.56	2.2	38.9	6.78	2.3	19.8
Protective service	17.24	2.8	36.6	17.91	2.3	40.9	9.32	5.0	16.3
Supervisors, firefighters and fire prevention	20.75	7.5	50.4	20.75	7.5	50.4	—	—	—
Supervisors, police and detectives	28.07	10.1	40.1	28.07	10.1	40.1	—	—	—
Supervisors, guards	17.04	19.3	37.3	17.49	18.1	39.4	—	—	—
Firefighting	18.89	2.8	46.2	18.99	2.7	49.9	12.42	15.6	8.3
Police and detectives, public service	23.09	1.1	38.8	23.18	1.1	39.8	14.65	9.5	11.1
Sheriffs, bailiffs, and other law enforcement officers	16.95	4.1	39.6	16.96	4.2	39.8	—	—	—
Correctional institution officers	17.02	4.9	38.4	17.19	4.8	39.2	—	—	—
Crossing guards	7.87	9.8	13.3	—	—	—	7.87	9.8	13.3
Guards and police, except public service	10.05	3.5	32.1	10.11	3.6	38.6	9.77	5.1	17.2
Protective service, n.e.c.	10.24	14.4	25.6	12.12	11.4	37.9	7.44	4.7	17.2
Food service	7.04	1.7	26.9	8.12	3.9	38.2	5.82	3.1	20.2
Waiters, waitresses, and bartenders	4.14	2.8	24.8	4.45	3.9	37.4	3.91	3.9	19.9
Bartenders	6.62	2.6	23.2	6.76	4.1	35.6	6.52	3.1	18.4

See footnotes at end of table.

TABLE 3. Selected occupations, East North Central: Mean hourly earnings¹ and weekly hours for full-time and part-time workers,² National Compensation Survey,³ July 2002–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									
Waiters, waitresses, and bartenders –Continued									
Waiters and waitresses	\$3.14	2.6	24.8	\$3.07	5.0	37.4	\$3.19	3.1	20.3
Waiters/Waitresses' assistants	6.08	13.7	27.0	–	–	–	4.74	10.0	19.7
Other food service	8.34	1.9	28.0	9.33	2.3	38.4	6.99	1.7	20.5
Supervisors, food preparation and service	11.42	4.2	38.2	11.55	4.1	39.7	8.82	9.0	21.4
Cooks	9.12	3.0	32.2	9.64	3.5	38.0	7.53	3.9	21.9
Kitchen workers, food preparation	7.64	3.9	26.0	8.27	6.6	38.7	7.12	2.1	20.6
Food preparation, n.e.c.	7.31	2.7	25.3	7.91	5.2	37.9	6.89	2.8	20.5
Health service	10.35	1.8	35.3	10.44	2.3	38.8	9.64	2.6	20.5
Health aides, except nursing	11.18	2.9	34.0	11.41	2.9	38.7	9.73	7.6	19.3
Nursing aides, orderlies and attendants	9.79	2.7	35.1	9.82	3.2	38.8	9.57	2.4	21.1
Cleaning and building service	10.53	4.2	33.5	11.14	3.2	39.0	7.81	9.6	20.7
Supervisors, cleaning and building service workers	14.66	4.8	39.9	14.68	4.8	40.0	–	–	–
Maids and housemen	7.94	4.0	32.3	7.68	3.1	36.4	9.36	17.1	19.9
Janitors and cleaners	10.78	4.5	33.4	11.62	2.7	39.5	7.55	10.9	20.8
Personal service	10.28	4.7	25.5	11.89	3.8	36.4	7.95	3.7	17.8
Supervisors, personal service	13.15	19.4	39.7	13.15	19.4	39.7	–	–	–
Hairdressers and cosmetologists	13.78	13.1	26.6	15.12	11.6	37.8	10.59	25.3	15.6
Attendants, amusement, and recreation facilities	6.67	3.4	22.1	7.02	6.4	39.7	6.62	3.3	20.9
Guides	8.22	5.8	24.8	–	–	–	–	–	–
Public transportation attendants	33.19	5.9	17.3	34.29	4.5	18.3	–	–	–
Baggage porters and bellhops	8.97	26.5	36.2	–	–	–	–	–	–
Welfare service aides	8.89	7.8	28.0	9.38	6.2	38.7	7.92	6.2	18.1
Early childhood teachers' assistants	8.72	5.6	25.8	8.80	5.9	35.7	8.57	8.4	17.0
Child care workers, n.e.c.	10.96	8.4	25.3	12.47	8.9	39.2	8.10	3.7	15.1
Service, n.e.c.	10.25	4.4	25.5	11.31	4.8	37.8	8.43	4.4	16.4

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

³ In this census division, data were collected between December 2001 and January

2003. The average reference period was July 2002.

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

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 Technical Note.

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

TABLE 4. Selected occupations, East North Central, private industry: Mean hourly earnings¹ for full-time and part-time workers,² National Compensation Survey,³ July 2002

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	\$16.64	1.3	35.6	\$17.67	1.4	39.8	\$9.40	2.0	20.5
All, excluding sales	16.78	1.4	35.9	17.67	1.5	39.7	9.78	2.7	20.4
White collar	20.14	2.3	36.0	21.20	2.0	39.9	12.05	2.7	20.6
White collar, excluding sales	21.36	2.1	36.8	21.95	2.1	39.8	15.05	3.5	20.5
Professional specialty and technical	25.07	3.3	36.0	25.53	3.4	39.8	20.70	4.0	18.8
Professional specialty	27.50	4.5	36.0	28.05	4.6	40.0	22.52	5.1	18.9
Engineers, architects, and surveyors	31.41	4.7	40.8	31.35	4.8	40.8	-	-	-
Aerospace engineers	41.77	8.0	36.9	40.29	10.1	40.0	-	-	-
Metallurgical and materials engineers	33.81	10.3	40.0	33.81	10.3	40.0	-	-	-
Civil engineers	27.29	2.6	41.2	27.29	2.6	41.2	-	-	-
Electrical and electronic engineers	34.94	9.4	42.3	34.94	9.4	42.3	-	-	-
Industrial engineers	28.23	4.7	40.4	28.23	4.7	40.5	-	-	-
Mechanical engineers	28.55	6.9	40.8	28.55	6.9	40.8	-	-	-
Engineers, n.e.c.	35.23	3.1	40.0	35.23	3.1	40.0	-	-	-
Mathematical and computer scientists	29.87	3.1	40.0	29.84	3.1	40.0	-	-	-
Computer systems analysts and scientists	29.65	3.9	40.0	29.61	3.9	40.0	-	-	-
Operations and systems researchers and analysts	33.15	6.5	39.7	33.15	6.5	39.7	-	-	-
Natural scientists	33.16	11.5	40.9	33.23	11.5	41.2	-	-	-
Chemists, except biochemists	32.12	5.5	40.0	32.12	5.5	40.0	-	-	-
Physical scientists, n.e.c.	37.43	12.6	38.3	38.00	13.0	40.2	-	-	-
Biological and life scientists	40.05	28.1	40.0	40.05	28.1	40.0	-	-	-
Medical scientists	28.14	11.7	43.8	28.25	11.6	44.4	-	-	-
Health related	26.58	3.2	32.0	26.61	3.7	39.7	26.49	4.3	18.9
Physicians	47.19	11.6	39.4	45.35	13.2	44.5	76.95	6.1	13.8
Registered nurses	23.33	2.7	31.0	22.96	2.9	39.0	24.44	4.5	19.2
Pharmacists	37.88	2.7	33.5	37.86	3.2	40.0	37.99	2.3	19.6
Dietitians	20.57	3.5	33.0	20.30	4.3	39.9	-	-	-
Respiratory therapists	18.88	2.2	36.0	18.63	2.4	39.3	20.78	4.8	22.2
Occupational therapists	23.50	3.5	31.2	22.50	2.2	40.0	-	-	-
Physical therapists	28.02	3.4	33.2	27.10	3.5	39.9	34.62	12.2	15.1
Speech therapists	24.06	7.1	27.6	21.55	5.1	40.0	-	-	-
Therapists, n.e.c.	18.80	9.8	37.1	18.89	10.3	40.0	-	-	-
Physicians' assistants	27.65	3.5	37.0	-	-	-	-	-	-
Teachers, college and university	38.83	9.0	37.4	39.36	8.9	40.8	24.99	8.8	11.8
Biological science teachers	58.52	20.7	41.7	58.52	20.7	41.7	-	-	-
Chemistry teachers	35.01	19.6	34.9	35.15	19.8	37.6	-	-	-
Mathematical science teachers	41.76	8.3	40.4	41.88	8.3	41.2	-	-	-
Medical science teachers	51.98	20.9	50.6	51.98	20.9	50.6	-	-	-
Health specialties teachers	58.90	14.0	48.3	59.11	14.0	48.9	-	-	-
Art, drama, and music teachers	30.37	7.9	32.5	30.50	9.0	40.0	29.40	8.6	13.6
Education teachers	30.56	8.9	33.0	31.68	8.3	38.1	-	-	-
English teachers	28.77	6.4	36.8	29.49	5.0	40.3	-	-	-
Theology teachers	27.12	6.9	39.5	27.12	6.9	39.5	-	-	-
Other post-secondary teachers	35.15	12.6	35.8	35.60	12.5	37.6	-	-	-
Teachers, except college and university	16.48	6.0	30.1	18.24	6.0	38.3	11.16	13.6	18.2
Prekindergarten and kindergarten	10.39	10.7	33.2	10.68	10.1	38.8	9.95	15.1	27.4
Elementary school teachers	20.18	3.8	36.3	20.14	3.9	37.3	21.95	5.0	16.6
Secondary school teachers	26.72	2.5	38.2	26.70	2.5	38.5	27.82	8.1	23.7
Teachers, n.e.c.	19.59	17.8	18.8	24.42	15.7	38.3	12.99	32.5	11.1
Substitute teachers	8.87	12.0	13.1	-	-	-	8.87	12.0	13.1
Vocational and educational counselors	15.35	16.1	39.0	15.38	16.4	39.8	-	-	-
Librarians, archivists, and curators	19.57	4.6	36.5	20.35	4.6	39.4	-	-	-
Librarians	20.16	5.3	36.4	20.67	5.7	39.3	-	-	-
Archivists and curators	17.28	13.3	37.1	-	-	-	-	-	-
Social scientists and urban planners	22.02	15.4	34.6	21.24	15.9	38.5	-	-	-
Psychologists	21.29	15.5	36.6	20.41	16.0	38.4	-	-	-
Social, recreation, and religious workers	15.79	3.3	36.0	15.69	3.6	38.9	-	-	-
Social workers	15.60	3.2	35.7	15.44	3.5	38.8	-	-	-
Clergy	19.06	9.2	36.8	19.55	8.9	39.4	-	-	-
Lawyers and judges	58.95	18.3	41.2	58.95	18.3	41.2	-	-	-
Lawyers	58.95	18.3	41.2	58.95	18.3	41.2	-	-	-

See footnotes at end of table.

TABLE 4. Selected occupations, East North Central, private industry: Mean hourly earnings¹ for full-time and part-time workers,² National Compensation Survey,³ July 2002—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.									
	\$21.58	10.4	35.4	\$22.13	10.6	39.2	\$15.33	22.8	16.7
Technical writers	22.76	10.9	39.0	24.75	9.9	40.0	—	—	—
Designers	25.29	13.1	39.9	25.51	13.3	40.2	—	—	—
Musicians and composers	45.04	30.6	14.0	45.91	31.7	30.2	—	—	—
Actors and directors	29.08	26.5	37.9	31.73	17.8	39.6	—	—	—
Painters, sculptors, craft artists, and artist printmakers									
	18.53	15.7	38.4	19.48	16.6	39.5	—	—	—
Photographers	21.12	9.5	36.9	19.07	11.3	39.7	—	—	—
Editors and reporters	21.86	10.2	39.2	21.73	10.0	39.5	—	—	—
Announcers	13.68	25.0	27.1	—	—	—	—	—	—
Athletes	23.03	18.5	28.9	24.84	23.8	39.1	17.00	3.8	15.5
Professional, n.e.c.	24.22	14.6	37.2	24.36	14.8	39.5	—	—	—
Technical	19.65	2.1	35.9	19.99	2.3	39.5	16.19	3.7	18.6
Clinical laboratory technologists and technicians									
	17.75	2.8	35.5	17.88	3.0	39.9	17.06	3.8	22.3
Dental hygienists	24.19	5.6	20.7	—	—	—	22.01	3.1	16.5
Health record technologists and technicians	14.50	4.1	31.8	14.07	5.3	39.3	—	—	—
Radiological technicians	23.04	6.2	32.8	23.92	7.0	39.1	19.68	6.6	20.2
Licensed practical nurses	15.74	1.2	35.3	15.75	1.2	39.7	15.66	2.9	18.9
Health technologists and technicians, n.e.c.	15.45	6.6	32.4	16.02	7.7	40.4	12.49	6.0	16.1
Electrical and electronic technicians	22.71	1.6	39.3	22.83	1.7	39.9	—	—	—
Industrial engineering technicians	21.83	9.0	40.7	21.83	9.0	40.7	—	—	—
Mechanical engineering technicians	21.59	6.7	40.4	21.59	6.7	40.4	—	—	—
Engineering technicians, n.e.c.	21.07	11.1	39.6	22.39	10.8	40.0	—	—	—
Drafters	18.54	5.3	40.0	18.54	5.3	40.0	—	—	—
Biological technicians	15.81	4.8	39.5	15.81	4.8	39.5	—	—	—
Chemical technicians	20.43	6.7	39.7	20.43	6.7	39.7	—	—	—
Science technicians, n.e.c.	20.60	3.6	39.9	20.60	3.6	39.9	—	—	—
Airplane pilots and navigators	67.67	29.5	19.9	95.52	14.1	24.0	—	—	—
Broadcast equipment operators	15.93	9.4	31.7	16.89	8.4	40.0	—	—	—
Computer programmers	22.29	10.7	39.7	22.01	10.9	39.7	—	—	—
Tool programmers, numerical control	21.99	13.4	40.0	21.99	13.4	40.0	—	—	—
Legal assistants	25.71	14.1	37.4	25.71	14.1	37.4	—	—	—
Executive, administrative, and managerial	30.54	2.1	39.6	30.74	1.9	40.4	22.33	25.2	21.3
Executives, administrators, and managers									
	33.70	2.4	40.2	33.66	2.4	40.7	—	—	—
Financial managers	31.99	3.3	41.1	32.00	3.3	41.1	—	—	—
Personnel and labor relations managers	49.88	8.2	44.6	49.88	8.2	44.6	—	—	—
Purchasing managers	32.17	7.0	39.9	32.17	7.0	39.9	—	—	—
Managers, marketing, advertising, and public relations									
	38.07	2.6	41.4	38.08	2.6	41.4	—	—	—
Administrators, education and related fields	29.99	8.5	41.0	30.13	8.6	41.6	—	—	—
Managers, medicine and health	31.77	9.0	39.6	31.80	9.1	40.0	—	—	—
Managers, food servicing and lodging establishments									
	17.63	19.9	46.1	17.66	20.0	46.3	—	—	—
Managers, service organizations, n.e.c.	26.26	5.7	37.7	26.30	5.7	37.8	—	—	—
Managers and administrators, n.e.c.	35.61	3.5	39.7	35.55	3.4	40.5	—	—	—
Management related	24.22	1.5	38.4	24.67	1.5	39.9	14.65	6.5	21.6
Accountants and auditors	22.35	2.4	37.3	22.81	2.4	39.8	—	—	—
Underwriters	26.03	9.0	38.2	26.03	9.0	38.2	—	—	—
Other financial officers	25.30	9.0	39.1	26.27	6.7	39.7	—	—	—
Management analysts	29.97	7.3	39.9	29.98	7.3	39.9	—	—	—
Personnel, training, and labor relations specialists									
	23.91	6.6	37.3	24.50	6.9	39.9	—	—	—
Buyers, wholesale and retail trade, except farm products	22.72	9.0	41.9	22.72	9.0	41.9	—	—	—
Purchasing agents and buyers, n.e.c.	25.93	6.8	39.4	25.98	6.9	40.4	—	—	—
Inspectors and compliance officers, except construction	21.13	5.4	39.9	21.13	5.4	39.9	—	—	—

See footnotes at end of table.

TABLE 4. Selected occupations, East North Central, private industry: Mean hourly earnings¹ for full-time and part-time workers,² National Compensation Survey,³ July 2002—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									
Management related, n.e.c.	\$23.97	3.9	38.7	\$24.24	3.7	39.8	\$12.55	19.3	17.8
Sales									
Supervisors, sales	15.28	5.0	33.2	17.63	4.2	40.5	7.64	2.3	20.9
Insurance sales	18.78	8.4	41.0	18.79	8.4	41.0	—	—	—
Real estate sales	20.10	21.0	38.6	20.12	21.1	38.9	—	—	—
Securities and financial services sales	20.42	20.3	39.5	20.42	20.3	39.5	—	—	—
Advertising and related sales	35.49	10.0	39.7	35.69	10.0	40.2	—	—	—
Sales, other business services	21.88	5.7	39.8	21.91	5.7	39.9	—	—	—
Sales engineers	19.87	5.5	40.8	19.88	5.5	40.8	—	—	—
Sales representatives, mining, manufacturing, and wholesale	28.91	17.1	41.5	28.91	17.1	41.5	—	—	—
Sales workers, motor vehicles and boats	24.37	4.7	39.3	24.49	4.6	40.7	—	—	—
Sales workers, apparel	14.95	9.9	44.2	14.95	9.9	44.2	—	—	—
Sales workers, furniture and home furnishings ..	9.32	8.5	25.7	11.15	3.9	38.2	7.71	5.8	20.0
Sales workers, hardware and building supplies ..	12.00	10.7	27.7	16.03	4.6	43.9	—	—	—
Sales workers, parts	14.26	18.9	35.4	15.77	18.7	40.4	8.39	5.6	23.9
Sales workers, other commodities	11.01	7.1	32.6	11.28	7.1	39.7	9.73	9.6	17.9
Sales counter clerks	13.05	19.6	30.3	16.24	16.9	40.8	7.69	1.9	21.1
Cashiers	8.57	6.3	30.7	9.04	9.2	39.5	7.55	3.0	20.6
Sales support, n.e.c.	7.78	2.3	28.5	8.19	2.6	39.2	7.26	2.2	21.1
	13.55	7.7	35.9	15.22	4.6	41.7	7.32	4.4	23.6
Administrative support, including clerical									
Supervisors, general office	13.63	1.6	36.2	14.06	1.6	39.5	10.15	2.7	21.8
Supervisors, financial records processing	19.21	5.9	39.4	19.21	5.9	39.4	—	—	—
Supervisors, distribution, scheduling, and adjusting clerks	18.63	5.3	39.7	18.63	5.3	39.7	—	—	—
Computer operators	17.48	7.6	39.9	17.54	8.0	40.8	—	—	—
Secretaries	16.30	4.9	38.8	16.48	4.2	39.7	—	—	—
Stenographers	15.16	3.2	36.9	15.44	3.2	39.4	11.96	6.1	21.6
Typists	17.97	27.4	34.5	14.07	9.6	39.2	—	—	—
Interviewers	12.57	5.4	35.6	12.63	5.6	38.9	—	—	—
Hotel clerks	9.28	5.7	28.7	10.03	6.0	40.0	—	—	—
Transportation ticket and reservation agents	8.16	2.3	35.0	8.17	2.6	39.5	8.08	4.9	22.4
Receptionists	13.45	10.0	36.0	13.98	11.0	40.0	—	—	—
Information clerks, n.e.c.	10.64	5.8	35.7	10.90	6.8	39.6	8.87	6.0	21.5
Order clerks	13.88	7.7	37.8	14.04	8.2	39.5	9.97	2.8	18.5
Personnel clerks, except payroll and timekeeping	13.14	3.2	34.6	13.92	2.9	39.9	9.43	7.0	21.1
Library clerks	16.02	1.9	39.0	16.06	2.0	40.0	—	—	—
File clerks	11.87	8.5	32.5	12.68	7.8	38.9	—	—	—
Records clerks, n.e.c.	9.53	3.5	31.0	10.12	1.4	39.7	8.17	5.4	20.6
Bookkeepers, accounting and auditing clerks ...	12.21	4.3	38.4	12.33	4.1	39.2	9.84	7.0	27.6
Payroll and timekeeping clerks	12.94	3.2	35.9	13.12	2.9	39.2	11.37	5.2	20.5
Billing clerks	15.72	6.3	38.0	16.07	6.0	39.9	10.13	12.1	22.0
Duplicating machine operators	14.20	4.4	37.0	14.66	3.7	39.3	10.31	4.7	24.9
Mail preparing and paper handling machine operators	13.12	9.7	39.3	13.12	9.7	39.3	—	—	—
Telephone operators	10.62	7.7	39.8	10.62	7.7	39.8	—	—	—
Mail clerks, except postal service	13.00	11.5	33.9	13.58	10.9	39.0	9.67	4.6	19.4
Dispatchers	12.41	13.7	33.2	13.30	13.5	39.4	8.14	5.1	18.9
Production coordinators	14.64	9.6	39.2	15.19	9.4	40.6	—	—	—
Traffic, shipping and receiving clerks	17.21	5.7	39.8	17.21	5.7	39.8	—	—	—
Stock and inventory clerks	12.66	8.3	39.5	12.70	8.5	40.0	10.25	9.7	22.7
Weighers, measurers, checkers, and samplers ..	13.19	4.1	36.8	13.52	4.3	39.9	9.80	8.5	20.3
Expeditors	16.69	10.0	40.0	16.69	10.0	40.0	—	—	—
Material recording, scheduling, and distribution clerks, n.e.c.	13.85	17.6	30.2	16.52	14.4	40.0	—	—	—
	18.38	8.7	38.9	18.67	8.3	40.0	—	—	—

See footnotes at end of table.

TABLE 4. Selected occupations, East North Central, private industry: Mean hourly earnings¹ for full-time and part-time workers,² National Compensation Survey,³ July 2002—Continued

Occupation ⁴	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar —Continued									
Administrative support, including clerical —Continued									
Insurance adjusters, examiners, and investigators	\$23.48	20.8	37.1	\$24.23	19.2	38.6	—	—	—
Investigators and adjusters, except insurance ...	13.75	8.7	38.2	13.80	9.2	39.7	\$13.06	9.9	24.3
Eligibility clerks, social welfare	10.76	8.4	39.3	10.76	8.4	39.3	—	—	—
Bill and account collectors	12.43	9.6	37.7	12.71	10.6	39.9	—	—	—
General office clerks	11.71	2.1	34.3	12.11	3.1	39.0	9.76	4.7	21.5
Bank tellers	9.70	2.3	34.6	9.85	2.5	39.5	9.01	3.5	21.8
Data entry keyers	12.18	12.2	36.8	12.68	13.2	39.5	9.26	10.5	26.2
Statistical clerks	14.67	8.0	36.8	15.10	7.5	40.0	—	—	—
Teachers' aides	7.85	5.0	25.5	—	—	—	7.65	4.0	23.7
Administrative support, n.e.c.	13.45	2.8	35.1	14.10	3.4	39.4	9.87	3.5	22.1
Blue collar	15.34	1.6	38.0	15.74	1.6	40.0	8.91	2.3	21.3
Precision production, craft, and repair									
Supervisors, mechanics and repairers	24.46	8.4	40.6	24.63	8.6	40.8	—	—	—
Automobile mechanics	16.62	7.6	40.0	16.64	7.6	40.1	—	—	—
Bus, truck, and stationary engine mechanics	17.34	7.3	39.5	17.35	7.4	40.1	—	—	—
Automobile body and related repairers	16.27	4.5	40.0	16.27	4.5	40.0	—	—	—
Aircraft mechanics, except engine	25.03	4.3	40.0	25.03	4.3	40.0	—	—	—
Heavy equipment mechanics	18.82	17.1	39.7	18.82	17.1	39.7	—	—	—
Industrial machinery repairers	20.74	3.9	39.8	20.70	3.8	40.0	—	—	—
Machinery maintenance	15.91	8.4	37.9	15.92	8.4	37.9	—	—	—
Electronic repairers, communications and industrial equipment	19.73	10.8	39.7	19.73	10.8	39.7	—	—	—
Household appliance and power tool repairers	15.78	15.1	34.8	15.89	16.5	37.5	—	—	—
Telephone installers and repairers	19.37	7.3	40.0	19.37	7.3	40.0	—	—	—
Heating, air conditioning, and refrigeration mechanics	15.70	10.2	38.7	15.55	9.9	40.0	—	—	—
Office machine repairers	14.41	10.6	40.0	14.41	10.6	40.0	—	—	—
Millwrights	24.26	2.3	40.0	24.26	2.3	40.0	—	—	—
Mechanics and repairers, n.e.c.	16.32	4.7	38.2	16.74	4.3	40.0	—	—	—
Supervisors, carpenters and related workers	25.58	9.0	40.0	25.58	9.0	40.0	—	—	—
Supervisors, electricians and power transmission installers	30.64	3.8	41.4	30.64	3.8	41.4	—	—	—
Supervisors, plumbers, pipefitters, and steamfitters	24.91	13.7	46.1	24.91	13.7	46.1	—	—	—
Supervisors, construction trades, n.e.c.	22.85	9.5	39.3	22.85	9.5	39.3	—	—	—
Brickmasons and stonemasons	23.70	6.6	40.0	23.70	6.6	40.0	—	—	—
Carpenters	22.33	6.1	39.8	22.33	6.1	39.9	—	—	—
Electricians	22.98	3.6	39.3	23.01	3.7	40.0	—	—	—
Electrician apprentices	15.47	3.3	39.2	15.47	3.3	39.2	—	—	—
Electrical power installers and repairers	25.37	4.9	40.0	25.37	4.9	40.0	—	—	—
Painters, construction and maintenance	16.18	13.6	39.8	16.18	13.6	39.8	—	—	—
Plumbers, pipefitters and steamfitters	23.12	5.5	39.5	23.24	5.6	39.9	—	—	—
Concrete and terrazzo finishers	22.10	10.9	40.0	22.10	10.9	40.0	—	—	—
Roofers	21.62	5.1	40.0	21.62	5.1	40.0	—	—	—
Construction trades, n.e.c.	20.37	13.7	39.3	20.40	13.8	39.5	—	—	—
Supervisors, production	21.66	3.2	40.4	21.66	3.2	40.4	—	—	—
Tool and die makers	23.13	2.9	40.0	23.13	2.9	40.0	—	—	—
Tool and die maker apprentices	17.69	9.4	39.5	17.69	9.4	39.5	—	—	—
Precision assemblers, metal	20.11	6.6	40.0	20.11	6.6	40.0	—	—	—
Machinists	19.56	6.7	39.8	19.59	6.8	40.0	—	—	—
Precision grinders, filers, and tool sharpeners ...	16.61	13.2	40.0	16.61	13.2	40.0	—	—	—
Patternmakers and modelmakers, metal	21.67	14.2	40.0	21.67	14.2	40.0	—	—	—
Dental laboratory and medical appliance technicians	13.78	1.4	40.0	13.78	1.4	40.0	—	—	—
Bookbinders	13.43	13.9	39.5	13.43	13.9	39.5	—	—	—
Electrical and electronic equipment assemblers	10.56	11.0	40.0	10.56	11.0	40.0	—	—	—
Butchers and meat cutters	11.47	13.4	37.7	11.46	14.2	40.0	—	—	—

See footnotes at end of table.

TABLE 4. Selected occupations, East North Central, private industry: Mean hourly earnings¹ for full-time and part-time workers,² National Compensation Survey,³ July 2002—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									
Bakers	\$11.83	7.3	36.8	\$11.97	7.5	38.2	—	—	—
Food batchmakers	15.44	10.7	40.0	15.44	10.7	40.0	—	—	—
Inspectors, testers, and graders	18.83	7.5	40.0	18.85	7.6	40.1	—	—	—
Stationary engineers	21.87	7.5	40.0	21.87	7.5	40.0	—	—	—
Miscellaneous plant and system operators, n.e.c.	18.30	10.9	40.0	18.30	10.9	40.0	—	—	—
Machine operators, assemblers, and inspectors	14.07	2.2	39.5	14.16	2.3	39.8	\$9.28	2.7	26.1
Lathe and turning machine set-up operators	17.66	6.3	40.0	17.66	6.3	40.0	—	—	—
Lathe and turning machine operators	16.03	7.7	40.0	16.03	7.7	40.0	—	—	—
Milling and planing machine operators	12.81	12.1	40.0	12.81	12.1	40.0	—	—	—
Punching and stamping press operators	13.27	13.4	40.0	13.26	13.4	40.0	—	—	—
Rolling machine operators	14.45	5.2	40.0	14.45	5.2	40.0	—	—	—
Drilling and boring machine operators	12.22	16.3	40.0	12.22	16.3	40.0	—	—	—
Grinding, abrading, buffing, and polishing machine operators	13.44	5.7	37.1	13.84	5.1	39.9	—	—	—
Forging machine operators	15.29	9.8	40.0	15.29	9.8	40.0	—	—	—
Numerical control machine operators	14.85	6.5	40.0	14.85	6.5	40.0	—	—	—
Fabricating machine operators, n.e.c.	16.46	4.1	39.8	16.46	4.1	39.8	—	—	—
Molding and casting machine operators	12.27	3.2	39.7	12.31	3.3	39.9	—	—	—
Metal plating machine operators	13.20	8.4	38.7	13.20	8.4	38.7	—	—	—
Heat treating equipment operators	15.38	4.3	40.0	15.38	4.3	40.0	—	—	—
Wood lathe, routing, and planing machine operators	12.80	5.2	39.5	12.80	5.2	39.5	—	—	—
Shaping and jointing machine operators	12.82	4.7	40.0	12.82	4.7	40.0	—	—	—
Printing press operators	15.33	6.1	39.3	15.35	6.1	39.5	—	—	—
Photoengravers and lithographers	17.43	11.0	38.5	17.43	11.0	38.5	—	—	—
Typesetters and compositors	12.40	20.6	30.6	—	—	—	—	—	—
Textile sewing machine operators	13.54	15.7	39.5	13.59	15.7	40.0	—	—	—
Pressing machine operators	9.14	2.9	38.6	9.13	3.1	40.0	—	—	—
Laundering and dry cleaning machine operators	8.33	4.5	36.8	8.42	4.6	38.3	—	—	—
Packaging and filling machine operators	14.59	7.5	39.2	14.66	7.4	39.8	—	—	—
Extruding and forming machine operators	13.74	6.1	39.2	13.74	6.1	39.2	—	—	—
Mixing and blending machine operators	17.35	9.5	39.6	17.36	9.6	39.9	—	—	—
Separating, filtering, and clarifying machine operators	19.85	2.6	40.0	19.85	2.6	40.0	—	—	—
Compressing and compacting machine operators	11.88	5.4	39.8	11.88	5.4	39.8	—	—	—
Painting and paint spraying machine operators	13.60	4.6	39.8	13.60	4.6	39.8	—	—	—
Folding machine operators	13.85	7.1	40.0	13.85	7.1	40.0	—	—	—
Furnace, kiln, and oven operators, except food	14.43	12.7	40.0	14.43	12.7	40.0	—	—	—
Slicing and cutting machine operators	14.26	8.0	40.0	14.26	8.0	40.0	—	—	—
Photographic process machine operators	11.64	13.0	39.1	11.71	13.7	40.0	—	—	—
Miscellaneous machine operators, n.e.c.	14.19	5.0	39.6	14.27	5.0	39.8	8.81	4.0	28.3
Welders and cutters	16.30	3.8	39.9	16.30	3.8	39.9	—	—	—
Assemblers	13.86	5.4	39.5	14.02	5.6	39.9	—	—	—
Miscellaneous hand working, n.e.c.	12.11	8.8	38.7	12.14	8.7	38.9	—	—	—
Production inspectors, checkers and examiners	15.03	6.4	40.0	15.03	6.4	40.0	—	—	—
Production testers	14.07	5.4	39.8	14.07	5.4	39.8	—	—	—
Transportation and material moving	15.59	2.1	37.9	16.11	2.0	40.6	9.31	8.0	21.1
Supervisors, motor vehicle operators	19.76	11.4	44.4	19.76	11.4	44.4	—	—	—
Truck drivers	15.82	3.0	40.3	16.01	3.1	41.0	9.17	6.1	24.8
Driver-sales workers	11.01	15.7	30.7	13.12	12.6	40.8	7.00	15.2	20.9
Bus drivers	14.44	10.1	25.9	15.20	20.1	39.7	14.06	10.1	22.0
Taxicab drivers and chauffeurs	8.49	11.3	28.3	9.58	16.5	40.0	—	—	—
Motor transportation, n.e.c.	7.75	5.2	21.2	11.03	8.5	38.5	6.70	3.8	18.5
Supervisors, material moving equipment	20.19	4.7	41.4	20.19	4.7	41.4	—	—	—
Operating engineers	23.64	4.7	39.4	23.64	4.7	39.4	—	—	—
Crane and tower operators	15.00	5.4	40.0	15.00	5.4	40.0	—	—	—
Excavating and loading machine operators	17.88	20.2	40.0	17.88	20.2	40.0	—	—	—

See footnotes at end of table.

TABLE 4. Selected occupations, East North Central, private industry: Mean hourly earnings¹ for full-time and part-time workers,² National Compensation Survey,³ July 2002—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									
Grader, dozer, and scraper operators	\$20.55	25.4	40.0	\$20.55	25.4	40.0	—	—	—
Industrial truck and tractor equipment operators	14.85	3.1	39.3	14.86	3.1	39.7	\$14.03	5.0	22.4
Miscellaneous material moving equipment operators, n.e.c.	15.06	4.0	35.8	15.62	4.9	40.0	—	—	—
Handlers, equipment cleaners, helpers, and laborers									
Groundskeepers and gardeners, except farm ...	11.86	2.6	33.5	12.72	3.0	39.7	8.50	3.2	20.7
Animal caretakers, except farm	11.10	9.8	32.5	12.07	8.1	39.5	8.71	6.6	22.7
Supervisors, handlers, equipment cleaners, and laborers, n.e.c.	7.97	1.1	27.4	—	—	—	—	—	—
Helpers, mechanics and repairers	16.33	8.7	38.7	16.38	9.2	40.1	—	—	—
Helpers, construction trades	15.91	11.0	40.0	15.91	11.0	40.0	—	—	—
Construction laborers	15.93	11.7	37.1	16.37	11.4	40.0	—	—	—
Production helpers	18.70	7.7	37.6	18.68	6.4	40.0	—	—	—
Stock handlers and baggers	11.39	4.1	37.5	11.57	3.6	39.9	—	—	—
Machine feeders and offbearers	10.00	5.1	27.9	11.90	5.9	39.4	7.42	2.4	20.0
Freight, stock, and material handlers, n.e.c.	10.87	5.8	38.7	11.00	5.9	40.0	—	—	—
Garage and service station related	14.20	9.8	33.2	14.91	9.3	39.5	10.99	4.6	19.3
Vehicle washers and equipment cleaners	10.21	20.9	37.2	10.62	23.7	39.9	—	—	—
Hand packers and packagers	11.32	10.0	32.7	12.38	10.1	39.3	6.42	3.0	18.5
Laborers, except construction, n.e.c.	9.58	10.2	37.0	9.67	11.3	39.7	8.82	7.3	23.6
	11.18	9.3	35.2	11.73	10.2	40.0	8.90	8.7	23.7
Service									
Protective service	8.49	2.7	29.2	9.49	3.2	38.5	6.58	2.4	20.0
Supervisors, guards	9.73	2.4	31.3	9.97	2.5	39.1	8.78	4.6	17.4
Guards and police, except public service	13.68	10.9	37.0	14.05	10.1	40.0	—	—	—
Protective service, n.e.c.	9.61	3.1	31.9	9.63	3.2	38.8	9.52	5.1	17.2
Food service	7.17	3.3	22.4	—	—	—	6.83	4.8	18.0
Waiters, waitresses, and bartenders	6.84	1.7	26.8	7.90	3.8	38.5	5.71	3.3	20.3
Bartenders	4.14	2.8	24.8	4.45	3.9	37.4	3.91	4.0	19.9
Waiters and waitresses	6.62	2.6	23.2	6.76	4.1	35.6	6.52	3.1	18.4
Waiters'/Waitresses' assistants	3.14	2.6	24.8	3.07	5.0	37.4	3.19	3.1	20.3
Other food service	6.08	13.7	27.0	—	—	—	4.74	10.0	19.7
Supervisors, food preparation and service	8.15	1.9	27.9	9.16	2.2	38.9	6.86	1.8	20.5
Cooks	11.44	4.3	38.8	11.59	4.3	40.3	7.86	5.7	20.8
Kitchen workers, food preparation	8.77	2.4	32.1	9.31	3.1	38.7	7.29	4.0	22.0
Food preparation, n.e.c.	7.57	4.2	25.6	8.22	7.5	39.0	7.10	2.1	20.5
Health service	7.16	3.0	25.5	7.77	5.6	38.2	6.74	2.7	20.7
Health aides, except nursing	10.02	1.8	35.0	10.10	2.4	38.9	9.51	2.6	20.6
Nursing aides, orderlies and attendants	10.55	2.9	34.1	10.77	3.2	38.9	9.14	8.0	19.3
Cleaning and building service	9.43	2.0	34.5	9.41	2.3	38.9	9.57	2.4	21.1
Supervisors, cleaning and building service workers	9.76	6.1	32.2	10.39	5.2	38.7	7.60	10.0	20.5
Maids and housemen	14.17	5.2	40.0	14.20	5.1	40.1	—	—	—
Janitors and cleaners	7.93	4.0	32.3	7.67	3.0	36.4	9.35	17.2	19.9
Personal service	9.98	7.6	31.7	10.98	5.6	39.5	7.28	11.5	20.6
Supervisors, personal service	9.94	5.2	25.4	11.67	4.1	36.1	7.78	4.2	18.5
Hairdressers and cosmetologists	11.26	17.1	39.7	11.26	17.1	39.7	—	—	—
Attendants, amusement, and recreation facilities	13.78	13.1	26.6	15.12	11.6	37.8	10.59	25.3	15.6
	6.53	3.3	22.2	7.70	3.8	39.5	6.44	2.4	21.4

See footnotes at end of table.

TABLE 4. Selected occupations, East North Central, private industry: Mean hourly earnings¹ for full-time and part-time workers,² National Compensation Survey,³ July 2002—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—Continued									
Public transportation attendants	\$36.06	5.0	17.4	\$35.56	3.6	17.9	—	—	—
Baggage porters and bellhops	8.97	26.5	36.2	—	—	—	—	—	—
Welfare service aides	8.79	7.7	27.3	9.32	5.8	38.9	\$7.91	6.1	18.2
Early childhood teachers' assistants	7.63	6.9	24.7	7.47	5.8	36.6	7.86	10.1	16.8
Child care workers, n.e.c.	9.60	10.0	27.9	10.51	10.2	39.1	7.65	5.5	17.3
Service, n.e.c.	9.69	3.4	25.0	10.62	4.5	38.1	8.45	4.8	17.1

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

³ In this census division, data were collected between December 2001 and January

2003. The average reference period was July 2002.

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

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 Technical Note.

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 5. Selected occupations, East North Central, State and local government: Mean hourly earnings¹ and weekly hours for full-time and part-time workers,² National Compensation Survey,³ July 2002

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	\$22.47	2.3	35.9	\$22.87	2.5	38.3	\$15.92	11.3	17.7
All, excluding sales	22.48	2.3	36.0	22.87	2.5	38.3	15.98	11.3	17.7
White collar	25.76	2.3	35.7	26.03	2.4	37.7	20.36	16.0	17.6
White collar, excluding sales	25.78	2.3	35.7	26.04	2.4	37.7	20.53	16.1	17.5
Professional specialty and technical	30.67	2.2	34.8	30.89	2.0	37.0	26.32	20.3	16.4
Professional specialty	31.59	2.1	34.6	31.82	1.8	36.8	27.09	21.0	16.1
Engineers, architects, and surveyors	27.96	1.8	39.7	27.96	1.8	39.7	—	—	—
Civil engineers	30.98	2.4	38.8	30.98	2.4	38.8	—	—	—
Mathematical and computer scientists	23.44	3.3	38.3	23.44	3.3	38.3	—	—	—
Computer systems analysts and scientists	23.45	3.4	38.3	23.45	3.4	38.3	—	—	—
Natural scientists	18.70	10.6	38.6	18.82	11.1	39.5	—	—	—
Health related	30.18	11.7	35.3	27.79	6.9	39.2	49.82	48.1	19.5
Physicians	61.74	30.6	36.1	38.57	12.3	43.7	—	—	—
Registered nurses	25.40	7.8	35.0	25.81	8.4	39.0	22.03	10.3	19.2
Speech therapists	41.80	4.6	34.7	42.66	4.6	35.9	—	—	—
Therapists, n.e.c.	18.20	9.4	37.0	18.39	10.1	39.0	—	—	—
Teachers, college and university	41.12	4.0	32.6	42.34	3.3	37.9	28.40	7.5	13.3
Engineering teachers	60.91	19.0	35.4	—	—	—	—	—	—
Health specialties teachers	31.81	11.5	36.9	31.66	11.4	38.2	—	—	—
Business, commerce, and marketing teachers ..	39.92	14.6	26.6	39.68	16.8	38.1	—	—	—
Art, drama, and music teachers	27.93	14.9	37.1	27.73	14.5	38.6	—	—	—
English teachers	55.36	8.3	36.2	55.86	7.8	37.8	—	—	—
Other post-secondary teachers	35.29	5.4	22.7	40.42	4.6	35.7	27.92	7.0	14.9
Teachers, except college and university	32.05	2.9	33.8	32.63	3.0	35.6	19.92	7.2	16.4
Prekindergarten and kindergarten	31.27	8.8	35.1	31.69	9.6	36.3	—	—	—
Elementary school teachers	33.21	2.9	34.9	33.37	2.8	35.2	22.11	9.7	23.8
Secondary school teachers	33.81	3.3	35.7	33.87	3.3	36.0	25.67	11.8	16.9
Teachers, special education	33.23	4.9	35.8	33.23	4.9	35.8	—	—	—
Teachers, n.e.c.	30.27	10.6	31.7	31.02	11.7	35.6	24.11	10.9	16.7
Substitute teachers	13.20	8.6	14.8	—	—	—	12.74	9.9	13.2
Vocational and educational counselors	24.90	11.2	36.0	25.13	12.6	37.6	—	—	—
Librarians, archivists, and curators	25.07	6.7	36.5	25.52	7.1	38.5	18.34	6.6	20.3
Librarians	26.27	5.2	36.9	26.82	5.5	38.7	17.02	5.0	20.4
Social scientists and urban planners	29.71	20.9	33.8	29.85	20.9	38.6	—	—	—
Psychologists	37.59	13.2	38.1	37.59	13.2	38.1	—	—	—
Urban planners	21.23	10.3	16.2	21.83	10.6	39.1	—	—	—
Social, recreation, and religious workers	20.49	5.6	37.4	20.67	5.6	38.8	12.62	23.9	14.5
Social workers	20.88	5.7	38.7	20.87	5.8	38.9	—	—	—
Recreation workers	15.10	17.0	25.3	—	—	—	—	—	—
Lawyers and judges	40.66	21.7	36.4	41.35	22.4	38.5	—	—	—
Lawyers	40.76	22.1	36.3	41.47	22.8	38.4	—	—	—
Writers, authors, entertainers, athletes, and professionals, n.e.c.	41.29	9.7	38.2	41.60	9.5	39.8	—	—	—
Public relations specialists	23.02	3.5	40.0	23.02	3.5	40.0	—	—	—
Technical	18.07	8.1	38.0	18.23	8.5	39.2	14.69	3.3	22.8
Licensed practical nurses	15.26	5.5	36.4	15.25	6.6	40.0	15.35	1.8	24.5
Health technologists and technicians, n.e.c.	14.47	9.0	38.6	14.32	8.0	39.9	—	—	—
Engineering technicians, n.e.c.	21.94	8.7	38.3	21.94	8.7	38.3	—	—	—
Surveying and mapping technicians	16.86	14.4	37.8	16.86	14.4	37.8	—	—	—
Computer programmers	31.05	7.4	40.0	31.05	7.4	40.0	—	—	—
Technical and related, n.e.c.	19.22	15.7	38.1	19.41	16.0	38.8	11.56	15.4	21.7
Executive, administrative, and managerial	31.87	6.5	38.2	31.95	6.5	39.1	23.45	15.0	11.0
Executives, administrators, and managers	36.62	6.6	37.8	36.74	6.5	39.1	21.49	23.2	7.7
Legislators	20.15	31.8	6.9	—	—	—	18.36	37.9	5.7
Administrators and officials, public administration	31.32	4.6	38.9	31.33	4.6	39.1	—	—	—
Financial managers	26.36	7.6	35.2	26.36	7.6	35.2	—	—	—
Administrators, education and related fields	40.04	4.1	38.8	40.04	4.1	38.9	—	—	—
Managers, medicine and health	57.89	13.5	38.0	57.89	13.5	38.0	—	—	—
Managers, service organizations, n.e.c.	30.33	11.1	39.0	30.55	11.0	39.0	—	—	—
Managers and administrators, n.e.c.	33.57	6.0	40.3	33.60	6.1	40.4	—	—	—
Management related	23.12	2.8	39.0	23.09	2.8	39.3	—	—	—

See footnotes at end of table.

TABLE 5. Selected occupations, East North Central, State and local government: Mean hourly earnings¹ and weekly hours for full-time and part-time workers,² National Compensation Survey,³ July 2002—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									
Accountants and auditors	\$23.26	5.8	38.8	\$23.26	5.8	38.8	—	—	—
Other financial officers	24.20	6.5	40.0	24.20	6.5	40.0	—	—	—
Personnel, training, and labor relations specialists	22.21	10.8	37.9	22.27	11.0	38.9	—	—	—
Construction inspectors	23.52	11.3	39.4	23.54	11.3	39.7	—	—	—
Inspectors and compliance officers, except construction	20.44	3.0	39.1	20.44	3.0	39.1	—	—	—
Management related, n.e.c.	24.36	5.7	38.9	24.40	5.9	39.6	—	—	—
Sales	14.66	11.7	28.2	18.30	7.0	40.0	\$9.86	14.4	20.3
Cashiers	13.19	12.1	27.5	—	—	—	9.92	14.7	21.6
Administrative support, including clerical	13.70	2.9	36.5	13.88	3.1	38.3	10.75	2.8	20.9
Supervisors, general office	18.37	4.2	39.3	18.37	4.2	39.3	—	—	—
Supervisors, distribution, scheduling, and adjusting clerks	22.90	9.9	37.8	22.90	9.9	37.8	—	—	—
Secretaries	13.80	3.4	37.9	13.87	3.5	38.8	11.46	8.2	19.9
Stenographers	16.63	2.7	36.5	16.63	2.7	36.5	—	—	—
Typists	12.45	8.5	37.8	12.60	9.4	39.3	—	—	—
Information clerks, n.e.c.	14.20	10.1	36.4	—	—	—	—	—	—
Personnel clerks, except payroll and timekeeping	12.69	19.8	38.2	12.69	19.8	38.2	—	—	—
Library clerks	10.38	6.1	26.7	10.79	9.8	38.3	9.56	8.2	16.7
Records clerks, n.e.c.	15.14	13.8	37.6	15.22	13.7	38.1	—	—	—
Bookkeepers, accounting and auditing clerks ...	13.72	5.5	38.3	13.78	5.7	38.9	—	—	—
Payroll and timekeeping clerks	18.27	6.9	38.3	18.27	6.9	38.3	—	—	—
Billing clerks	12.68	7.1	39.9	12.68	7.1	39.9	—	—	—
Dispatchers	14.21	9.0	37.5	14.65	9.3	39.9	—	—	—
Stock and inventory clerks	13.01	6.0	37.8	13.01	6.0	37.8	—	—	—
Investigators and adjusters, except insurance ...	17.09	6.0	40.0	17.09	6.0	40.0	—	—	—
Eligibility clerks, social welfare	16.19	3.2	40.0	16.19	3.2	40.0	—	—	—
General office clerks	14.05	3.3	37.5	14.16	3.3	38.9	11.75	5.3	21.2
Data entry keyers	12.84	4.0	39.3	12.84	4.0	39.3	—	—	—
Teachers' aides	11.34	5.2	33.4	11.43	6.0	35.0	10.81	4.6	25.5
Administrative support, n.e.c.	14.19	6.9	36.8	14.26	7.2	38.4	12.35	12.2	17.0
Blue collar	17.55	2.2	36.7	17.96	2.7	39.2	12.95	3.3	21.3
Precision production, craft, and repair	19.79	2.3	39.6	19.82	2.4	39.7	—	—	—
Supervisors, mechanics and repairers	21.18	9.2	40.1	21.18	9.2	40.1	—	—	—
Automobile mechanics	18.45	3.1	40.0	18.45	3.1	40.0	—	—	—
Bus, truck, and stationary engine mechanics	18.66	2.9	40.0	18.66	2.9	40.0	—	—	—
Heavy equipment mechanics	16.90	12.3	39.8	16.90	12.3	39.8	—	—	—
Industrial machinery repairers	26.07	25.0	40.0	26.07	25.0	40.0	—	—	—
Heating, air conditioning, and refrigeration mechanics	18.08	2.6	39.9	18.08	2.6	39.9	—	—	—
Mechanical controls and valve repairers	18.40	4.8	35.4	19.66	6.4	40.0	—	—	—
Mechanics and repairers, n.e.c.	16.19	10.3	39.9	16.19	10.3	39.9	—	—	—
Supervisors, construction trades, n.e.c.	21.18	4.1	39.8	21.18	4.1	39.8	—	—	—
Carpenters	19.20	19.3	40.0	19.20	19.3	40.0	—	—	—
Electricians	27.79	7.6	39.9	27.79	7.6	39.9	—	—	—
Painters, construction and maintenance	19.00	5.7	39.8	19.00	5.7	39.8	—	—	—
Plumbers, pipefitters and steamfitters	22.15	6.4	39.2	22.15	6.4	39.2	—	—	—
Construction trades, n.e.c.	16.73	6.7	39.5	16.73	6.7	39.5	—	—	—
Water and sewer treatment plant operators	18.41	3.9	40.0	18.41	3.9	40.0	—	—	—
Stationary engineers	26.36	8.3	39.4	26.36	8.3	39.4	—	—	—
Machine operators, assemblers, and inspectors	15.87	8.4	40.0	15.87	8.4	40.0	—	—	—

See footnotes at end of table.

TABLE 5. Selected occupations, East North Central, State and local government: Mean hourly earnings¹ and weekly hours for full-time and part-time workers,² National Compensation Survey,³ July 2002—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	\$16.35	3.3	32.1	\$17.02	4.0	38.0	\$13.95	3.0	20.7
Supervisors, motor vehicle operators	22.46	3.4	40.0	22.46	3.4	40.0	—	—	—
Truck drivers	18.30	9.9	37.8	18.90	9.9	40.0	—	—	—
Bus drivers	15.17	2.5	28.5	15.72	3.3	36.1	14.16	2.9	20.6
Operating engineers	19.52	6.1	39.9	19.52	6.1	39.9	—	—	—
Miscellaneous material moving equipment operators, n.e.c.	18.83	10.5	40.0	18.83	10.5	40.0	—	—	—
Handlers, equipment cleaners, helpers, and laborers	15.44	4.9	38.3	15.83	5.0	39.4	8.21	4.2	25.4
Groundskeepers and gardeners, except farm ...	14.52	5.9	36.6	15.61	5.0	39.4	8.66	2.3	26.4
Construction laborers	16.84	9.2	37.9	16.95	9.3	40.0	—	—	—
Laborers, except construction, n.e.c.	14.14	9.9	39.1	14.42	9.9	40.0	7.16	7.4	24.8
Service	16.26	3.0	36.2	16.75	3.4	39.9	10.11	4.8	16.6
Protective service	20.47	2.3	39.5	20.70	2.4	41.6	11.22	5.0	13.4
Supervisors, firefighters and fire prevention	20.75	7.5	50.4	20.75	7.5	50.4	—	—	—
Supervisors, police and detectives	28.07	10.1	40.1	28.07	10.1	40.1	—	—	—
Firefighting	19.23	2.7	46.0	19.35	2.8	49.8	12.42	15.6	8.3
Police and detectives, public service	23.09	1.1	38.8	23.18	1.1	39.8	14.65	9.5	11.1
Sheriffs, bailiffs, and other law enforcement officers	16.95	4.1	39.6	16.96	4.2	39.8	—	—	—
Correctional institution officers	17.02	4.9	38.4	17.19	4.8	39.2	—	—	—
Crossing guards	7.87	9.8	13.3	—	—	—	7.87	9.8	13.3
Guards and police, except public service	13.37	7.8	34.1	13.35	7.8	37.4	13.54	11.1	17.7
Protective service, n.e.c.	13.63	5.7	30.4	14.34	7.7	38.3	9.95	8.2	14.8
Food service	10.57	3.5	29.2	10.74	4.0	34.9	10.00	6.0	18.7
Other food service	10.59	3.5	29.3	10.74	4.0	34.9	10.06	5.9	18.7
Supervisors, food preparation and service	11.26	6.5	33.1	11.12	7.2	34.6	—	—	—
Cooks	11.20	4.9	32.8	11.19	5.3	34.9	11.35	7.4	21.1
Kitchen workers, food preparation	8.70	4.9	34.3	—	—	—	—	—	—
Food preparation, n.e.c.	9.90	3.8	22.4	10.17	4.3	34.0	9.66	6.1	17.2
Health service	12.54	5.6	37.0	12.56	6.0	38.6	12.06	3.8	20.5
Health aides, except nursing	14.34	2.4	33.6	14.57	2.3	37.8	12.84	1.7	19.5
Nursing aides, orderlies and attendants	11.89	7.9	38.4	11.93	8.1	38.8	9.78	5.7	23.7
Cleaning and building service	12.82	3.5	38.2	12.96	3.9	39.6	10.36	8.4	23.3
Supervisors, cleaning and building service workers	15.91	10.5	39.6	15.91	10.5	39.6	—	—	—
Janitors and cleaners	12.60	3.4	38.1	12.74	3.8	39.6	10.36	8.4	23.4
Personal service	11.62	7.5	25.8	12.58	9.0	37.3	9.10	3.9	14.3
Attendants, amusement, and recreation facilities	7.46	6.0	21.7	—	—	—	8.20	1.5	17.3
Welfare service aides	9.78	28.8	36.6	—	—	—	—	—	—
Early childhood teachers' assistants	10.87	5.4	28.3	10.80	7.0	34.5	11.09	5.6	17.7
Child care workers, n.e.c.	12.73	9.2	22.5	15.24	9.0	39.2	8.59	3.9	13.3
Service, n.e.c.	12.46	7.2	27.9	13.10	6.2	37.1	8.12	4.7	10.4

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

³ In this census division, data were collected between December 2001 and January

2003. The average reference period was July 2002.

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

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 Technical Note.

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 6. Occupations¹ and levels,² East North Central: Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ July 2002

Occupations and levels	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	\$17.42	1.2	35.7	\$16.64	1.3	35.6	\$22.47	2.3	35.9
All, excluding sales	17.61	1.3	35.9	16.78	1.4	35.9	22.48	2.3	36.0
White collar	21.12	1.7	36.0	20.14	2.3	36.0	25.76	2.3	35.7
1	7.90	2.2	25.7	7.83	2.1	25.7	9.64	8.5	25.9
2	9.32	1.8	30.8	9.21	2.3	30.9	10.44	4.7	29.8
3	10.26	1.7	32.6	10.10	1.7	32.3	12.07	2.1	35.8
4	13.07	1.5	36.7	13.09	1.7	36.6	13.00	4.3	37.4
5	15.04	2.0	37.4	15.04	2.0	38.0	15.06	4.0	34.3
6	17.71	2.0	37.4	17.64	1.0	37.6	18.01	7.7	36.9
7	20.22	1.6	37.3	19.78	1.7	37.6	22.01	4.2	36.0
8	24.11	2.3	37.2	22.57	2.1	37.9	28.52	5.5	35.5
9	28.73	1.6	36.8	26.98	1.7	37.7	31.79	1.7	35.3
10	32.22	4.9	40.0	32.62	5.2	40.5	28.64	6.2	35.7
11	36.25	4.8	39.4	36.79	4.9	39.6	33.58	6.3	38.5
12	40.30	2.6	39.2	40.23	2.4	39.4	40.58	6.3	38.6
13	54.98	3.1	39.1	55.66	4.5	39.9	53.80	4.1	37.8
14	59.84	5.6	40.4	59.70	6.6	40.5	61.12	7.4	39.1
15	71.76	11.1	39.2	88.64	15.1	42.1	-	-	-
Not able to be leveled	24.69	3.8	37.2	23.84	3.2	37.4	45.25	10.1	33.9
White collar, excluding sales	22.28	1.5	36.6	21.36	2.1	36.8	25.78	2.3	35.7
1	9.29	2.8	27.1	9.22	2.7	27.2	9.77	8.8	26.4
2	9.94	.9	31.8	9.87	.9	32.1	10.44	4.7	29.8
3	10.91	1.6	34.7	10.76	1.8	34.6	12.00	2.0	35.9
4	13.18	1.8	37.0	13.23	2.0	36.9	13.00	4.3	37.4
5	14.89	2.2	36.6	14.85	2.2	37.1	15.05	4.0	34.3
6	17.60	3.0	36.9	17.49	2.4	37.0	18.01	7.7	36.9
7	19.92	1.7	36.8	19.32	1.7	37.1	22.01	4.2	36.0
8	24.25	2.2	36.5	22.38	1.9	37.0	28.54	5.5	35.5
9	28.51	1.3	36.6	26.46	1.0	37.5	31.79	1.7	35.3
10	30.07	2.4	38.8	30.29	3.0	39.4	28.64	6.2	35.7
11	36.20	5.0	39.4	36.76	5.2	39.5	33.58	6.3	38.5
12	40.31	2.6	39.2	40.24	2.4	39.4	40.58	6.3	38.6
13	54.98	3.1	39.1	55.66	4.5	39.9	53.80	4.1	37.8
14	59.84	5.6	40.4	59.70	6.6	40.5	61.12	7.4	39.1
15	71.76	11.1	39.2	88.64	15.1	42.1	-	-	-
Not able to be leveled	25.47	4.3	37.4	24.57	4.0	37.6	45.25	10.1	33.9
Professional specialty and technical	26.72	1.7	35.6	25.07	3.3	36.0	30.67	2.2	34.8
Professional specialty	28.97	2.3	35.5	27.50	4.5	36.0	31.59	2.1	34.6
4	9.99	2.9	18.3	10.36	4.6	16.7	-	-	-
5	13.33	7.2	31.3	13.08	11.8	33.5	13.65	4.6	28.7
6	19.13	6.2	35.4	17.55	6.1	36.6	24.04	12.6	32.1
7	21.24	3.0	34.0	19.71	2.7	33.9	23.98	7.1	34.3
8	26.16	3.4	34.7	23.17	2.5	34.9	30.07	6.1	34.5
9	29.29	1.8	35.1	26.00	2.3	35.3	32.47	1.7	34.8
10	29.23	3.2	38.9	29.87	3.4	39.6	24.73	7.1	34.6
11	34.50	4.9	39.4	35.27	4.3	39.9	31.78	7.0	37.7
12	38.77	4.1	38.3	38.37	3.0	38.4	40.58	13.9	38.0
13	52.34	4.9	39.3	52.95	9.0	41.1	51.64	2.3	37.5
14	60.80	8.7	39.6	60.37	9.0	39.9	-	-	-
Not able to be leveled	31.52	8.0	36.0	29.07	8.7	35.9	49.12	13.1	36.5
Engineers, architects, and surveyors	31.15	4.5	40.7	31.41	4.7	40.8	27.96	1.8	39.7
7	21.68	6.3	40.0	21.64	6.3	40.0	-	-	-
8	26.76	3.3	39.9	26.63	3.1	39.9	-	-	-
9	27.76	5.5	40.2	27.95	5.4	40.2	24.03	9.9	39.8
10	30.50	2.0	40.8	30.32	1.9	40.9	-	-	-
11	35.51	8.2	41.7	37.04	4.9	42.2	28.82	2.6	39.8
12	41.67	4.1	40.1	41.67	4.1	40.1	-	-	-
13	46.18	3.6	40.0	46.18	3.6	40.0	-	-	-
Not able to be leveled	31.46	8.7	41.1	31.46	8.7	41.1	-	-	-
Aerospace engineers	41.77	8.0	36.9	41.77	8.0	36.9	-	-	-
Metallurgical and materials engineers	33.81	10.3	40.0	33.81	10.3	40.0	-	-	-
Civil engineers	28.12	3.5	40.6	27.29	2.6	41.2	30.98	2.4	38.8

See footnotes at end of table.

TABLE 6. Occupations¹ and levels,² East North Central: Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ July 2002—Continued

Occupations and levels	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									
Civil engineers—Continued									
9	\$29.63	5.0	40.0	—	—	—	—	—	—
Electrical and electronic engineers	33.61	10.3	41.9	\$34.94	9.4	42.3	—	—	—
9	27.84	1.4	40.3	27.88	1.5	40.3	—	—	—
10	30.86	3.1	40.3	30.86	3.1	40.3	—	—	—
11	36.05	12.0	42.9	—	—	—	—	—	—
Industrial engineers	28.22	4.7	40.4	28.23	4.7	40.4	—	—	—
8	23.19	6.4	38.6	23.19	6.4	38.6	—	—	—
9	28.35	3.0	40.9	28.35	3.0	40.9	—	—	—
11	33.31	9.2	39.4	33.49	9.4	39.3	—	—	—
12	37.26	4.1	41.5	37.26	4.1	41.5	—	—	—
Mechanical engineers	28.51	6.7	40.8	28.55	6.9	40.8	—	—	—
8	25.64	6.4	40.2	25.64	6.4	40.2	—	—	—
9	26.56	3.5	40.1	26.66	3.9	40.1	—	—	—
10	30.05	4.2	39.8	29.63	3.8	40.0	—	—	—
11	33.95	3.1	41.4	33.95	3.1	41.4	—	—	—
12	38.62	9.1	40.0	38.62	9.1	40.0	—	—	—
Not able to be leveled	33.23	6.7	42.7	33.23	6.7	42.7	—	—	—
Engineers, n.e.c.	34.78	3.4	40.0	35.23	3.1	40.0	—	—	—
7	29.51	5.6	40.0	29.51	5.6	40.0	—	—	—
8	30.45	4.5	40.0	30.45	4.5	40.0	—	—	—
9	29.01	3.4	40.0	29.82	1.8	40.0	—	—	—
10	32.58	8.8	40.0	32.58	8.8	40.0	—	—	—
11	37.88	1.1	40.0	37.88	1.1	40.0	—	—	—
12	39.33	3.1	40.0	39.33	3.1	40.0	—	—	—
13	46.92	3.0	40.0	46.92	3.0	40.0	—	—	—
Not able to be leveled	37.27	7.0	39.9	37.27	7.0	39.9	—	—	—
Mathematical and computer scientists	29.55	3.4	39.9	29.87	3.1	40.0	\$23.44	3.3	38.3
5	16.80	13.9	40.0	17.57	12.4	40.0	—	—	—
6	23.96	8.3	40.0	24.33	7.9	40.0	—	—	—
7	25.22	7.4	41.1	25.51	7.7	41.3	—	—	—
8	23.65	2.3	39.4	23.74	2.8	39.8	—	—	—
9	28.23	1.7	40.0	28.26	1.8	40.0	27.47	8.0	40.0
10	33.00	2.8	40.2	33.00	2.9	40.2	—	—	—
11	35.34	1.8	40.0	35.34	1.8	40.0	—	—	—
12	39.46	6.1	39.9	39.49	6.1	39.9	—	—	—
Not able to be leveled	28.80	10.5	39.7	28.80	10.5	39.7	—	—	—
Computer systems analysts and scientists	29.31	4.1	39.9	29.65	3.9	40.0	23.45	3.4	38.3
6	23.96	8.3	40.0	24.33	7.9	40.0	—	—	—
7	25.28	7.5	41.1	25.59	7.7	41.3	—	—	—
8	23.79	2.6	39.4	23.94	3.2	39.9	—	—	—
9	28.07	1.9	40.1	28.07	2.0	40.1	—	—	—
10	32.96	2.9	40.2	32.96	2.9	40.2	—	—	—
11	35.47	2.0	40.0	35.47	2.0	40.0	—	—	—
12	37.83	3.8	39.9	37.87	3.9	39.9	—	—	—
Not able to be leveled	28.96	11.1	39.5	28.96	11.1	39.5	—	—	—
Operations and systems researchers and analysts	33.15	6.5	39.7	33.15	6.5	39.7	—	—	—
8	21.78	4.0	39.1	21.78	4.0	39.1	—	—	—
9	30.40	5.4	39.3	30.40	5.4	39.3	—	—	—
12	42.63	9.8	40.0	42.63	9.8	40.0	—	—	—
Natural scientists	29.76	10.5	40.4	33.16	11.5	40.9	18.70	10.6	38.6
7	21.97	3.6	39.5	22.34	4.9	39.2	21.43	6.2	40.0
8	24.34	29.7	38.2	—	—	—	—	—	—
9	23.97	4.7	44.3	23.39	5.1	45.9	—	—	—
11	34.01	4.3	40.0	34.01	4.3	40.0	—	—	—
12	30.01	17.5	38.4	—	—	—	—	—	—
Not able to be leveled	32.75	11.2	40.0	32.75	11.2	40.0	—	—	—

See footnotes at end of table.

TABLE 6. Occupations¹ and levels,² East North Central: Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ July 2002–Continued

Occupations and levels	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									
Chemists, except biochemists	\$32.12	5.5	40.0	\$32.12	5.5	40.0	–	–	–
9	26.26	3.4	40.4	26.26	3.4	40.4	–	–	–
Physical scientists, n.e.c.	30.32	16.5	39.2	37.43	12.6	38.3	–	–	–
Biological and life scientists	39.10	27.5	39.0	40.05	28.1	40.0	–	–	–
Medical scientists	24.54	9.4	42.2	28.14	11.7	43.8	–	–	–
Not able to be leveled	33.80	14.5	40.0	33.80	14.5	40.0	–	–	–
Health related	27.12	3.4	32.4	26.58	3.2	32.0	\$30.18	11.7	35.3
5	16.05	8.8	27.3	18.93	11.9	22.1	–	–	–
6	19.06	8.5	36.3	19.23	10.3	36.0	–	–	–
7	21.08	2.7	31.0	21.30	2.5	29.3	20.38	6.9	38.0
8	23.70	3.7	32.9	23.33	4.2	32.9	26.36	10.3	32.9
9	25.49	4.4	31.4	24.99	4.0	30.9	28.68	8.1	34.9
10	29.36	4.1	37.2	31.62	2.9	36.5	23.00	16.5	39.4
11	33.23	8.3	36.5	33.23	8.6	36.5	–	–	–
12	30.74	10.6	32.9	30.74	10.6	32.9	–	–	–
13	67.45	4.8	41.7	66.83	5.9	41.9	–	–	–
Not able to be leveled	36.36	21.6	30.3	27.55	5.7	29.6	70.07	26.0	33.3
Physicians	50.44	11.6	38.6	47.19	11.6	39.4	61.74	30.6	36.1
12	31.26	15.8	41.8	31.26	15.8	41.8	–	–	–
13	67.45	4.8	41.7	66.83	5.9	41.9	–	–	–
Not able to be leveled	50.19	30.0	33.3	33.45	17.0	34.9	76.24	37.2	31.1
Registered nurses	23.61	2.3	31.5	23.33	2.7	31.0	25.40	7.8	35.0
5	21.31	13.5	18.5	–	–	–	–	–	–
6	17.90	6.1	35.7	17.74	6.6	35.7	–	–	–
7	21.19	2.8	30.2	21.60	2.6	28.1	20.06	7.3	37.8
8	23.11	4.6	32.3	22.56	4.1	32.1	26.58	10.8	33.0
9	24.11	4.2	31.1	24.02	4.6	30.8	24.85	4.7	33.5
10	28.61	1.4	38.3	28.15	1.9	38.3	–	–	–
11	31.91	16.8	36.9	31.88	17.6	36.7	–	–	–
Not able to be leveled	26.95	15.5	29.5	23.13	5.9	28.6	–	–	–
Pharmacists	36.73	3.9	34.0	37.88	2.7	33.5	–	–	–
9	35.45	11.7	37.1	39.20	6.1	36.2	–	–	–
10	37.71	3.7	39.0	37.71	3.7	39.0	–	–	–
11	36.30	2.7	36.8	36.30	2.7	36.8	–	–	–
Dietitians	20.53	3.0	31.2	20.57	3.5	33.0	–	–	–
7	19.36	3.1	31.7	19.52	3.3	31.4	–	–	–
9	22.47	3.8	34.0	–	–	–	–	–	–
Respiratory therapists	18.89	2.1	36.2	18.88	2.2	36.0	–	–	–
6	19.95	3.6	33.5	20.13	4.9	32.2	–	–	–
7	18.56	6.5	38.1	18.56	6.5	38.1	–	–	–
8	18.96	2.0	40.0	18.96	2.0	40.0	–	–	–
Occupational therapists	24.60	5.3	31.4	23.50	3.5	31.2	–	–	–
7	22.42	1.5	33.3	22.42	1.5	33.3	–	–	–
9	26.46	8.9	28.7	24.72	7.5	27.4	–	–	–
Physical therapists	27.92	3.0	33.3	28.02	3.4	33.2	–	–	–
7	25.67	3.7	40.0	25.67	3.7	40.0	–	–	–
9	28.34	6.7	28.4	28.69	7.8	27.4	–	–	–
Speech therapists	33.00	6.6	30.8	24.06	7.1	27.6	41.80	4.6	34.7
9	33.70	9.3	31.1	24.64	7.4	27.3	42.67	2.6	36.1
Therapists, n.e.c.	18.48	6.5	37.0	18.80	9.8	37.1	18.20	9.4	37.0
9	22.64	10.8	37.5	21.55	11.8	37.1	–	–	–
Physicians' assistants	27.65	3.5	37.0	27.65	3.5	37.0	–	–	–
Teachers, college and university	40.24	4.6	34.3	38.83	9.0	37.4	41.12	4.0	32.6
5	11.84	9.4	19.8	–	–	–	–	–	–
7	22.85	19.0	20.7	24.45	21.9	19.1	–	–	–
8	31.35	12.8	21.6	–	–	–	36.99	13.1	16.8
9	28.39	9.2	28.9	24.23	13.0	35.5	29.36	12.7	27.7
10	31.43	16.6	29.4	29.94	17.1	36.3	38.60	8.8	15.3

See footnotes at end of table.

TABLE 6. Occupations¹ and levels,² East North Central: Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ July 2002–Continued

Occupations and levels	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									
11	\$31.91	4.7	36.4	\$27.91	6.1	37.6	\$37.30	2.7	35.0
12	44.49	7.4	37.8	36.81	6.2	37.2	48.22	7.4	38.1
13	46.06	3.0	39.4	47.98	7.1	42.9	45.19	1.8	38.0
14	61.31	14.6	41.1	–	–	–	–	–	–
Not able to be leveled	43.51	13.9	38.5	47.88	15.1	38.7	–	–	–
Biological science teachers	50.02	25.1	38.3	58.52	20.7	41.7	–	–	–
Chemistry teachers	34.32	10.7	33.9	35.01	19.6	34.9	–	–	–
Psychology teachers	33.72	16.5	33.7	–	–	–	–	–	–
Engineering teachers	59.25	20.0	35.6	–	–	–	60.91	19.0	35.4
Mathematical science teachers	44.37	3.4	37.1	41.76	8.3	40.4	–	–	–
13	46.33	2.4	38.6	–	–	–	–	–	–
Computer science teachers	44.23	17.7	31.0	–	–	–	–	–	–
Medical science teachers	51.61	20.8	50.3	51.98	20.9	50.6	–	–	–
Health specialties teachers	39.23	15.3	39.4	58.90	14.0	48.3	31.81	11.5	36.9
9	26.03	2.4	36.2	–	–	–	–	–	–
Not able to be leveled	54.96	21.4	46.7	–	–	–	–	–	–
Business, commerce, and marketing teachers ..	39.56	10.4	28.9	–	–	–	39.92	14.6	26.6
Art, drama, and music teachers	28.99	9.7	34.9	30.37	7.9	32.5	27.93	14.9	37.1
Not able to be leveled	31.25	8.6	25.5	31.25	8.6	25.5	–	–	–
Physical education teachers	27.14	12.0	37.0	–	–	–	–	–	–
Education teachers	40.14	8.1	36.3	30.56	8.9	33.0	–	–	–
English teachers	50.90	14.3	36.3	28.77	6.4	36.8	55.36	8.3	36.2
11	36.31	7.7	38.4	–	–	–	–	–	–
Theology teachers	30.10	13.4	39.4	27.12	6.9	39.5	–	–	–
Other post-secondary teachers	35.22	7.4	27.8	35.15	12.6	35.8	35.29	5.4	22.7
7	25.78	24.8	30.3	–	–	–	–	–	–
9	33.88	11.7	21.0	26.11	20.9	32.5	37.68	9.8	17.9
10	31.98	22.0	39.0	32.29	22.2	39.0	–	–	–
11	32.44	4.3	34.7	30.41	8.3	38.0	35.06	.3	31.3
Teachers, except college and university	29.56	3.6	33.1	16.48	6.0	30.1	32.05	2.9	33.8
4	9.95	2.1	16.0	–	–	–	–	–	–
5	11.54	10.9	26.2	10.32	16.5	30.8	13.45	10.8	21.2
6	20.74	17.3	28.9	11.98	13.0	29.8	29.66	6.4	28.0
7	23.44	4.5	32.9	14.47	13.0	33.3	26.52	9.5	32.7
8	32.27	6.2	33.7	20.45	9.3	28.4	33.90	8.1	34.6
9	33.33	1.8	35.1	25.36	7.6	35.3	33.75	1.8	35.0
11	37.45	11.8	35.1	–	–	–	38.96	11.9	34.8
Not able to be leveled	22.93	19.3	36.0	23.20	19.1	38.8	–	–	–
Prekindergarten and kindergarten	15.51	16.8	33.7	10.39	10.7	33.2	31.27	8.8	35.1
6	10.36	18.6	35.1	9.26	16.9	36.3	–	–	–
8	39.27	8.5	33.7	–	–	–	39.27	8.5	33.7
9	34.34	3.7	34.9	20.23	6.6	33.5	35.57	4.3	35.0
Elementary school teachers	32.16	3.2	35.0	20.18	3.8	36.3	33.21	2.9	34.9
6	31.75	2.2	33.9	21.98	9.8	36.3	32.63	1.2	33.7
7	27.77	11.4	34.8	21.73	3.0	36.9	28.26	12.5	34.7
8	33.91	6.4	35.3	17.58	8.2	36.9	37.36	7.1	35.0
9	33.23	2.3	35.0	23.74	3.0	34.0	33.62	2.5	35.1
Secondary school teachers	33.19	2.8	35.9	26.72	2.5	38.2	33.81	3.3	35.7
6	26.48	4.6	35.7	–	–	–	–	–	–
7	26.03	6.9	36.2	25.54	7.2	36.7	26.10	7.9	36.1
8	36.54	5.8	35.8	26.72	3.4	38.5	37.81	7.1	35.5
9	33.55	2.8	36.0	28.25	4.7	38.7	33.89	3.0	35.9
Teachers, special education	31.96	6.0	36.0	–	–	–	33.23	4.9	35.8
8	30.00	8.4	35.8	–	–	–	30.00	8.4	35.8
9	33.43	7.5	36.4	–	–	–	35.59	4.7	36.2
Teachers, n.e.c.	28.47	8.7	28.4	19.59	17.8	18.8	30.27	10.6	31.7
5	13.84	13.4	27.3	17.22	21.5	29.1	12.19	4.2	26.6
6	11.48	12.8	20.0	10.63	13.6	22.4	16.14	6.7	12.6

See footnotes at end of table.

TABLE 6. Occupations¹ and levels,² East North Central: Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ July 2002—Continued

Occupations and levels	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar—Continued									
Professional specialty and technical—Continued									
Professional specialty—Continued									
Teachers, except college and university—Continued									
Teachers, n.e.c.—Continued									
7	\$22.11	20.3	28.8	—	—	—	\$26.56	18.5	33.5
8	28.58	7.7	23.3	—	—	—	28.29	9.8	29.4
9	33.63	4.3	33.4	\$34.64	2.0	30.3	33.59	4.5	33.6
Substitute teachers	12.77	8.4	14.6	8.87	12.0	13.1	13.20	8.6	14.8
5	10.93	6.7	15.2	—	—	—	11.27	6.2	16.0
6	10.49	.7	12.7	10.21	2.7	17.3	10.78	4.5	10.1
7	14.91	16.8	11.3	—	—	—	14.98	16.8	11.3
Vocational and educational counselors	22.89	8.3	36.6	15.35	16.1	39.0	24.90	11.2	36.0
5	15.39	21.3	32.5	—	—	—	—	—	—
7	15.23	2.5	39.9	—	—	—	—	—	—
8	21.83	12.1	37.5	—	—	—	22.47	17.1	37.1
9	32.33	6.8	36.3	—	—	—	32.92	7.0	36.3
Librarians, archivists, and curators	22.89	5.2	36.5	19.57	4.6	36.5	25.07	6.7	36.5
5	11.99	5.4	31.9	—	—	—	—	—	—
6	14.86	7.8	34.7	—	—	—	15.58	6.0	33.4
7	17.80	4.9	31.4	—	—	—	17.80	4.9	31.4
8	21.92	14.0	38.3	—	—	—	23.12	16.6	37.4
9	27.09	6.7	35.6	21.78	13.4	30.0	28.75	7.3	37.9
10	—	—	—	—	—	—	21.55	3.1	36.0
11	26.09	2.6	38.1	—	—	—	28.82	6.1	37.2
Librarians	24.01	5.6	36.7	20.16	5.3	36.4	26.27	5.2	36.9
6	14.58	8.6	34.3	—	—	—	15.58	6.0	33.4
7	17.80	4.9	31.4	—	—	—	17.80	4.9	31.4
8	22.65	14.7	37.9	—	—	—	24.96	17.5	36.4
9	27.09	6.7	35.6	21.78	13.4	30.0	28.75	7.3	37.9
10	—	—	—	—	—	—	21.55	3.1	36.0
11	28.22	6.0	39.2	—	—	—	29.19	5.3	39.4
Archivists and curators	16.60	11.5	35.4	17.28	13.3	37.1	—	—	—
Social scientists and urban planners	26.81	17.4	34.1	22.02	15.4	34.6	29.71	20.9	33.8
7	16.74	8.0	38.2	—	—	—	—	—	—
8	22.62	19.9	22.6	—	—	—	—	—	—
9	31.63	25.7	38.3	—	—	—	40.93	13.6	37.2
11	30.06	10.2	33.1	24.93	14.8	24.7	—	—	—
Psychologists	29.91	18.0	37.4	21.29	15.5	36.6	37.59	13.2	38.1
9	33.66	28.0	37.9	—	—	—	—	—	—
11	30.06	10.2	36.2	—	—	—	—	—	—
Urban planners	21.23	10.3	16.2	—	—	—	21.23	10.3	16.2
Social, recreation, and religious workers	17.79	4.3	36.6	15.79	3.3	36.0	20.49	5.6	37.4
5	13.36	8.1	38.8	11.20	8.7	38.5	14.60	3.3	39.0
6	14.90	7.7	38.9	13.50	8.0	39.2	18.26	6.0	38.1
7	16.13	1.8	34.3	15.98	1.7	33.3	16.66	3.6	38.5
8	19.42	5.8	38.3	15.71	2.4	38.0	21.21	5.7	38.5
9	20.40	3.6	38.8	19.92	6.3	37.9	20.83	2.5	39.7
10	17.38	10.9	39.5	—	—	—	—	—	—
11	39.77	24.6	32.5	—	—	—	43.15	22.3	34.3
Social workers	17.87	4.6	37.0	15.60	3.2	35.7	20.88	5.7	38.7
5	13.56	8.9	39.3	11.20	8.7	38.5	15.08	3.1	39.9
6	14.33	8.0	39.1	13.44	8.2	39.2	17.71	9.8	38.5
7	16.18	1.8	34.4	16.03	1.8	33.3	16.67	3.7	38.8
8	19.49	5.9	38.3	15.47	3.1	37.8	21.21	5.7	38.5
9	20.36	3.6	38.8	19.74	7.0	37.7	20.83	2.5	39.7
11	41.39	23.0	32.1	—	—	—	43.15	22.3	34.3
Recreation workers	16.61	9.6	30.6	—	—	—	15.10	17.0	25.3
Clergy	19.06	9.2	36.8	19.06	9.2	36.8	—	—	—
Lawyers and judges	50.45	12.8	38.8	58.95	18.3	41.2	40.66	21.7	36.4
11	29.90	15.4	38.6	—	—	—	27.04	7.3	38.1

See footnotes at end of table.

TABLE 6. Occupations¹ and levels,² East North Central: Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ July 2002—Continued

Occupations and levels	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									
12	\$40.86	6.7	39.7	\$41.85	9.0	40.5	\$35.52	8.1	35.9
13	59.04	6.1	36.7	—	—	—	—	—	—
Not able to be leveled	74.80	12.0	42.1	74.98	12.2	42.1	—	—	—
Lawyers	50.58	13.0	38.8	58.95	18.3	41.2	40.76	22.1	36.3
11	29.90	15.4	38.6	—	—	—	27.04	7.3	38.1
12	40.86	6.7	39.7	41.85	9.0	40.5	35.52	8.1	35.9
13	59.92	4.9	36.6	—	—	—	—	—	—
Not able to be leveled	74.98	12.2	42.1	74.98	12.2	42.1	—	—	—
Writers, authors, entertainers, athletes, and professionals, n.e.c.	24.63	12.1	35.8	21.58	10.4	35.4	41.29	9.7	38.2
5	15.02	2.8	38.1	15.04	2.9	38.5	—	—	—
6	18.20	8.2	40.0	18.05	10.1	40.1	—	—	—
7	20.50	8.4	39.8	20.43	8.8	39.8	—	—	—
8	23.11	9.4	39.9	23.12	10.2	39.9	—	—	—
9	26.31	4.2	39.5	26.30	4.3	39.5	—	—	—
11	40.42	1.8	36.9	40.42	1.8	36.9	—	—	—
Not able to be leveled	25.52	17.8	33.3	19.55	13.4	32.1	45.30	6.8	38.1
Technical writers	22.76	10.9	39.0	22.76	10.9	39.0	—	—	—
Designers	25.15	12.9	39.7	25.29	13.1	39.9	—	—	—
9	26.62	5.5	39.8	26.62	5.5	39.8	—	—	—
Musicians and composers	45.04	30.6	14.0	45.04	30.6	14.0	—	—	—
Not able to be leveled	45.04	30.6	14.0	45.04	30.6	14.0	—	—	—
Actors and directors	29.08	26.5	37.9	29.08	26.5	37.9	—	—	—
Not able to be leveled	29.08	26.5	37.9	29.08	26.5	37.9	—	—	—
Painters, sculptors, craft artists, and artist printmakers	18.53	15.7	38.4	18.53	15.7	38.4	—	—	—
Not able to be leveled	18.53	15.7	38.4	18.53	15.7	38.4	—	—	—
Photographers	21.12	9.5	36.9	21.12	9.5	36.9	—	—	—
Editors and reporters	21.77	10.1	39.2	21.86	10.2	39.2	—	—	—
6	14.22	15.9	40.4	14.12	16.8	40.4	—	—	—
7	17.77	4.4	39.7	17.77	4.4	39.7	—	—	—
9	25.86	10.9	39.4	25.90	11.1	39.6	—	—	—
Public relations specialists	—	—	—	—	—	—	23.02	3.5	40.0
9	26.83	15.4	39.2	—	—	—	—	—	—
Announcers	13.68	25.0	27.1	13.68	25.0	27.1	—	—	—
Not able to be leveled	13.68	25.0	27.1	13.68	25.0	27.1	—	—	—
Athletes	42.31	12.0	35.5	23.03	18.5	28.9	—	—	—
Not able to be leveled	42.31	12.0	35.5	23.03	18.5	28.9	—	—	—
Professional, n.e.c.	26.94	13.6	37.8	24.22	14.6	37.2	—	—	—
9	25.10	5.1	38.7	—	—	—	—	—	—
Not able to be leveled	30.16	16.5	36.9	27.09	22.6	35.4	—	—	—
Technical	19.52	1.9	36.1	19.65	2.1	35.9	18.07	8.1	38.0
2	8.58	5.0	32.0	—	—	—	—	—	—
3	11.08	3.2	29.7	11.10	3.9	28.4	—	—	—
4	12.73	5.2	35.8	12.62	5.1	35.7	14.59	4.5	38.2
5	15.30	3.7	34.0	15.50	2.8	33.7	13.76	5.1	37.2
6	17.30	3.2	32.7	17.57	3.5	32.1	15.47	8.4	37.4
7	19.14	4.9	37.7	19.18	5.5	37.7	18.68	2.1	38.4
8	22.79	4.5	39.1	22.77	4.8	39.1	22.99	3.2	39.1
9	27.40	1.9	39.2	27.73	2.5	39.2	25.95	3.5	39.0
10	34.07	6.8	38.2	34.53	7.4	38.5	—	—	—
11	77.98	15.3	27.7	77.98	15.3	27.7	—	—	—
Not able to be leveled	18.80	3.1	37.9	18.80	3.2	37.8	—	—	—
Clinical laboratory technologists and technicians	17.67	2.8	35.5	17.75	2.8	35.5	—	—	—
3	11.41	3.9	32.5	11.66	3.4	31.5	—	—	—
4	11.12	4.3	34.1	11.09	4.5	34.3	—	—	—
5	15.80	5.2	31.2	15.79	5.3	31.2	—	—	—

See footnotes at end of table.

TABLE 6. Occupations¹ and levels,² East North Central: Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ July 2002—Continued

Occupations and levels	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									
6	\$19.11	4.6	37.7	\$19.11	4.6	37.7	—	—	—
7	18.68	6.5	38.1	18.75	6.5	38.6	—	—	—
8	19.98	3.2	37.1	19.98	3.2	37.1	—	—	—
9	22.65	5.9	37.6	22.70	6.0	37.5	—	—	—
Not able to be leveled	16.79	5.7	39.9	16.79	5.7	39.9	—	—	—
Dental hygienists	23.71	5.5	21.4	24.19	5.6	20.7	—	—	—
7	24.26	6.4	24.9	25.22	4.9	23.6	—	—	—
Health record technologists and technicians	15.07	3.5	32.7	14.50	4.1	31.8	—	—	—
4	14.47	7.3	33.9	14.47	7.3	33.9	—	—	—
5	15.62	5.9	26.2	15.62	5.9	26.2	—	—	—
Radiological technicians	22.92	6.2	32.9	23.04	6.2	32.8	—	—	—
5	18.66	1.2	28.7	18.66	1.2	28.7	—	—	—
6	20.25	4.3	30.0	20.48	4.5	29.5	—	—	—
7	27.05	8.8	34.7	27.19	8.7	34.6	—	—	—
8	25.63	2.6	38.0	25.63	2.6	38.0	—	—	—
Licensed practical nurses	15.68	1.2	35.4	15.74	1.2	35.3	\$15.26	5.5	36.4
4	14.61	1.7	36.3	14.47	2.3	35.3	—	—	—
5	15.20	2.5	30.3	15.16	2.7	30.3	15.67	2.1	30.7
6	16.21	4.1	36.7	16.82	2.5	36.1	14.67	9.8	38.5
7	15.70	2.3	38.8	15.59	2.0	39.0	—	—	—
Not able to be leveled	15.21	3.0	37.0	15.51	3.3	36.5	—	—	—
Health technologists and technicians, n.e.c.	15.37	6.2	32.9	15.45	6.6	32.4	14.47	9.0	38.6
3	10.40	3.7	26.8	10.13	5.1	24.6	—	—	—
4	11.56	5.6	31.0	11.35	4.7	30.6	—	—	—
5	13.33	3.7	36.3	13.59	3.8	36.0	—	—	—
6	14.95	3.2	36.0	14.94	3.2	36.2	—	—	—
7	18.70	7.2	31.6	18.92	8.3	30.3	—	—	—
8	19.65	2.2	39.4	—	—	—	—	—	—
9	27.23	9.6	39.4	—	—	—	23.78	9.0	35.9
Not able to be leveled	15.28	7.5	22.9	15.28	7.5	22.9	—	—	—
Electrical and electronic technicians	22.69	1.6	39.2	22.71	1.6	39.3	—	—	—
6	23.15	4.6	40.0	23.15	4.6	40.0	—	—	—
7	23.26	2.8	39.8	23.32	2.9	39.8	—	—	—
8	23.03	2.2	39.8	23.03	2.2	39.8	—	—	—
Industrial engineering technicians	21.83	9.0	40.7	21.83	9.0	40.7	—	—	—
Mechanical engineering technicians	21.59	6.7	40.4	21.59	6.7	40.4	—	—	—
7	21.36	15.6	40.8	21.36	15.6	40.8	—	—	—
8	23.38	12.5	40.0	23.38	12.5	40.0	—	—	—
Not able to be leveled	21.17	4.3	40.0	21.17	4.3	40.0	—	—	—
Engineering technicians, n.e.c.	21.21	9.6	39.4	21.07	11.1	39.6	21.94	8.7	38.3
6	17.98	10.2	37.9	19.74	5.2	37.2	—	—	—
7	20.22	5.0	40.0	20.38	5.5	40.0	—	—	—
8	26.94	9.2	40.0	27.67	9.2	40.1	—	—	—
Drafters	18.54	5.3	40.0	18.54	5.3	40.0	—	—	—
5	15.58	6.5	40.0	15.58	6.5	40.0	—	—	—
6	14.90	3.1	40.0	14.90	3.1	40.0	—	—	—
9	28.17	2.6	40.0	28.17	2.6	40.0	—	—	—
Surveying and mapping technicians	17.47	8.2	39.6	—	—	—	16.86	14.4	37.8
Biological technicians	15.73	4.7	39.5	15.81	4.8	39.5	—	—	—
Chemical technicians	20.34	6.5	39.7	20.43	6.7	39.7	—	—	—
4	16.30	4.4	39.7	16.28	4.6	39.7	—	—	—
7	19.25	7.9	39.0	19.23	8.5	39.0	—	—	—
8	24.47	8.7	40.0	24.77	10.0	40.0	—	—	—
Science technicians, n.e.c.	19.96	4.7	39.9	20.60	3.6	39.9	—	—	—
8	21.12	8.9	40.0	21.12	8.9	40.0	—	—	—
Airplane pilots and navigators	67.67	29.5	19.9	67.67	29.5	19.9	—	—	—
Broadcast equipment operators	15.63	8.6	31.7	15.93	9.4	31.7	—	—	—

See footnotes at end of table.

TABLE 6. Occupations¹ and levels,² East North Central: Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ July 2002—Continued

Occupations and levels	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar—Continued									
Professional specialty and technical—Continued									
Technical—Continued									
Broadcast equipment operators—Continued									
4	\$14.57	7.8	37.7	\$15.03	7.6	39.7	—	—	—
Computer programmers	22.71	10.5	39.7	22.29	10.7	39.7	\$31.05	7.4	40.0
7	16.51	26.4	40.0	16.51	26.4	40.0	—	—	—
8	23.92	7.9	40.0	—	—	—	—	—	—
9	28.84	5.7	39.6	28.30	5.6	39.5	—	—	—
10	34.88	7.9	39.7	34.88	7.9	39.7	—	—	—
Not able to be leveled	23.08	13.3	38.8	22.34	13.0	38.7	—	—	—
Tool programmers, numerical control	21.99	13.4	40.0	21.99	13.4	40.0	—	—	—
Legal assistants	24.49	12.5	37.7	25.71	14.1	37.4	—	—	—
Technical and related, n.e.c.	18.21	5.8	39.5	—	—	—	19.22	15.7	38.1
5	13.71	3.0	38.5	14.53	8.0	39.7	—	—	—
6	17.66	11.5	30.6	15.21	12.4	27.9	20.08	6.0	33.7
7	19.84	2.8	39.3	20.49	2.0	40.0	19.28	4.0	38.8
8	23.05	4.4	39.7	—	—	—	23.19	4.1	39.6
9	26.45	2.1	40.1	26.98	2.5	40.1	—	—	—
Executive, administrative, and managerial	30.73	2.3	39.4	30.54	2.1	39.6	31.87	6.5	38.2
5	14.12	6.5	39.5	13.81	6.7	39.7	16.26	7.1	38.2
6	18.69	2.3	38.3	18.52	2.4	38.3	19.42	3.4	38.5
7	19.62	2.5	39.5	19.67	2.6	39.5	19.30	4.7	39.3
8	21.82	2.6	39.0	21.51	3.0	38.8	23.25	8.2	39.8
9	27.09	.9	40.2	27.00	1.4	40.5	27.61	4.7	38.7
10	30.61	2.0	38.9	30.19	2.9	39.2	32.78	3.0	37.0
11	35.68	4.5	40.0	35.60	5.4	40.1	36.12	3.5	39.6
12	41.12	2.0	40.0	41.27	2.6	40.3	40.59	2.8	38.9
13	55.47	3.9	39.6	54.48	2.5	40.0	58.32	9.9	38.6
14	58.92	4.5	41.2	58.97	5.6	41.3	58.69	7.1	40.7
Not able to be leveled	34.08	6.6	38.1	33.99	6.7	38.7	36.67	9.4	26.5
Executives, administrators, and managers	34.10	2.8	39.9	33.70	2.4	40.2	36.62	6.6	37.8
5	11.68	10.8	43.4	11.51	12.2	43.8	—	—	—
6	18.86	6.0	39.7	19.06	6.7	39.6	—	—	—
7	19.51	5.2	41.0	19.24	5.6	41.2	20.94	6.1	39.8
8	22.04	4.6	38.3	21.75	4.2	38.2	24.93	11.6	39.7
9	27.96	1.3	40.9	27.74	2.1	41.3	29.51	4.7	38.3
10	31.74	2.3	40.7	31.53	2.9	41.3	32.84	5.0	37.9
11	36.25	5.5	40.1	36.05	6.5	40.2	37.41	3.8	39.6
12	41.21	2.3	40.0	41.41	3.3	40.3	40.59	2.8	38.9
13	55.39	4.1	39.6	54.31	2.9	39.9	58.32	9.9	38.6
14	59.04	4.5	41.2	59.10	5.7	41.3	58.69	7.1	40.7
Not able to be leveled	38.85	6.3	38.4	38.95	6.5	39.3	36.83	9.4	26.4
Legislators	20.15	31.8	6.9	—	—	—	20.15	31.8	6.9
Not able to be leveled	20.15	31.8	6.9	—	—	—	20.15	31.8	6.9
Administrators and officials, public administration	31.30	4.5	38.9	—	—	—	31.32	4.6	38.9
7	20.78	9.7	39.9	—	—	—	20.78	9.7	39.9
9	28.87	4.1	37.5	—	—	—	28.89	4.1	37.5
10	29.09	5.1	40.1	—	—	—	29.09	5.1	40.1
11	33.21	3.2	40.1	—	—	—	33.21	3.2	40.1
12	37.60	5.8	40.0	—	—	—	37.93	6.4	40.0
13	43.58	8.1	40.0	—	—	—	43.58	8.1	40.0
Not able to be leveled	38.55	8.8	37.1	—	—	—	38.55	8.8	37.1
Financial managers	31.96	3.2	41.1	31.99	3.3	41.1	26.36	7.6	35.2
8	20.52	5.8	41.7	20.52	5.8	41.7	—	—	—
9	24.81	3.3	40.3	24.82	3.4	40.4	—	—	—
11	41.52	14.7	40.2	41.54	14.8	40.2	—	—	—
12	44.74	10.3	39.8	44.90	10.3	39.8	—	—	—
13	55.83	10.4	40.2	55.92	10.5	40.2	—	—	—
Not able to be leveled	28.45	28.7	44.5	28.45	28.7	44.5	—	—	—

See footnotes at end of table.

TABLE 6. Occupations¹ and levels,² East North Central: Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ July 2002—Continued

Occupations and levels	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									
Personnel and labor relations managers	\$49.77	7.9	44.3	\$49.88	8.2	44.6	—	—	—
9	26.24	11.8	41.6	24.57	9.6	41.8	—	—	—
11	39.86	9.5	38.1	39.86	9.5	38.1	—	—	—
Purchasing managers	32.14	7.0	39.9	32.17	7.0	39.9	—	—	—
Managers, marketing, advertising, and public relations	37.97	2.6	41.4	38.07	2.6	41.4	—	—	—
9	28.32	5.5	40.0	28.32	5.5	40.0	—	—	—
10	38.62	10.2	40.0	38.62	10.2	40.0	—	—	—
11	36.82	4.8	43.4	36.82	4.8	43.4	—	—	—
12	45.76	4.9	41.7	45.76	4.9	41.7	—	—	—
Not able to be leveled	36.05	5.4	41.3	36.05	5.4	41.3	—	—	—
Administrators, education and related fields	38.16	3.9	39.2	29.99	8.5	41.0	\$40.04	4.1	38.8
7	16.24	1.5	39.3	16.18	4.2	40.0	—	—	—
8	20.72	8.5	40.0	—	—	—	—	—	—
9	31.76	5.8	39.2	24.79	4.7	38.2	34.18	4.0	39.5
10	34.98	6.3	38.6	—	—	—	36.74	5.7	38.2
11	40.35	3.8	39.5	26.40	13.4	39.9	41.80	2.6	39.5
12	41.61	4.7	38.2	39.76	5.7	39.5	41.65	4.8	38.1
13	42.95	10.1	40.7	—	—	—	47.28	7.0	39.9
Not able to be leveled	27.15	11.8	35.8	27.15	11.8	35.8	—	—	—
Managers, medicine and health	36.40	13.4	39.3	31.77	9.0	39.6	57.89	13.5	38.0
8	22.79	10.2	40.0	20.43	5.8	40.0	—	—	—
10	31.42	5.0	40.6	31.42	5.0	40.6	—	—	—
11	33.06	4.6	39.8	33.13	5.0	40.0	—	—	—
12	37.04	4.9	39.7	36.70	5.3	39.7	—	—	—
Not able to be leveled	25.78	11.9	37.9	25.78	11.9	37.9	—	—	—
Managers, food servicing and lodging establishments	17.70	19.1	45.7	17.63	19.9	46.1	—	—	—
Managers, properties and real estate	36.57	20.6	40.0	—	—	—	—	—	—
Managers, service organizations, n.e.c.	26.51	5.2	37.8	26.26	5.7	37.7	30.33	11.1	39.0
7	21.33	8.0	39.4	21.33	8.0	39.4	—	—	—
8	22.73	8.3	33.3	22.73	8.3	33.3	—	—	—
9	23.65	4.1	40.7	24.05	4.8	41.4	22.50	7.2	38.8
12	31.74	15.9	40.5	29.50	9.2	40.6	—	—	—
Managers and administrators, n.e.c.	35.55	3.4	39.7	35.61	3.5	39.7	33.57	6.0	40.3
7	19.40	10.1	40.3	19.27	10.7	40.4	21.72	5.4	39.7
8	22.74	6.4	40.0	22.18	4.9	39.9	30.42	12.2	41.7
9	28.85	2.8	42.1	28.93	2.9	42.2	24.75	4.4	39.7
10	32.87	2.4	38.9	33.14	2.3	39.3	—	—	—
11	33.95	4.3	40.0	33.86	4.2	40.1	36.89	9.7	37.9
12	40.95	3.5	40.3	41.44	3.8	40.2	31.46	6.9	42.8
13	54.08	7.0	40.4	54.67	7.2	40.3	—	—	—
14	59.20	2.8	39.8	58.11	3.2	39.8	—	—	—
Not able to be leveled	43.86	10.2	36.8	43.86	10.2	36.8	—	—	—
Management related	24.06	1.2	38.5	24.22	1.5	38.4	23.12	2.8	39.0
5	15.57	5.0	37.5	15.25	5.1	37.5	17.38	3.1	37.5
6	18.66	2.8	38.1	18.40	2.8	38.0	19.67	4.0	38.4
7	19.69	2.0	38.4	19.98	2.3	38.3	17.93	5.8	38.8
8	21.57	2.2	39.8	21.17	4.1	39.8	22.63	8.7	39.8
9	25.31	3.1	38.8	25.38	3.5	38.7	25.01	4.0	39.3
10	29.21	2.6	36.8	28.51	4.0	36.9	32.71	2.5	35.9
11	32.77	2.7	39.7	33.36	3.2	39.6	—	—	—
12	40.14	6.2	39.8	40.14	6.2	39.8	—	—	—
Not able to be leveled	24.78	5.6	37.6	24.78	5.6	37.6	—	—	—
Accountants and auditors	22.51	2.2	37.5	22.35	2.4	37.3	23.26	5.8	38.8
5	17.39	5.4	40.0	17.11	5.6	40.0	—	—	—
6	18.73	5.8	39.4	18.77	5.5	40.0	—	—	—

See footnotes at end of table.

TABLE 6. Occupations¹ and levels,² East North Central: Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ July 2002—Continued

Occupations and levels	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									
Accountants and auditors—Continued									
7	\$17.89	4.9	35.1	\$17.96	5.8	34.5	—	—	—
8	19.30	3.7	39.9	18.90	4.0	39.9	\$20.80	6.6	40.0
9	24.05	3.4	36.9	23.88	5.0	36.4	24.62	6.2	38.8
10	28.48	2.4	32.8	—	—	—	—	—	—
11	29.13	8.0	39.9	29.13	8.0	39.9	—	—	—
Not able to be leveled	22.07	4.2	39.7	22.07	4.3	39.7	—	—	—
Underwriters	26.03	9.0	38.2	26.03	9.0	38.2	—	—	—
Other financial officers	25.22	8.6	39.1	25.30	9.0	39.1	24.20	6.5	40.0
5	14.48	4.3	39.7	14.48	4.3	39.7	—	—	—
7	18.30	4.8	38.5	17.82	4.9	38.3	—	—	—
8	21.48	2.8	40.0	21.41	2.9	40.0	—	—	—
9	27.28	6.0	40.1	27.97	5.3	40.2	—	—	—
10	28.16	9.0	40.0	28.16	9.0	40.0	—	—	—
11	31.00	3.6	40.0	32.56	6.1	40.1	—	—	—
Not able to be leveled	24.27	10.6	38.8	24.27	10.6	38.8	—	—	—
Management analysts	29.81	6.2	39.6	29.97	7.3	39.9	—	—	—
9	27.89	4.8	39.7	27.62	7.6	39.4	—	—	—
10	31.47	6.2	38.0	—	—	—	—	—	—
Personnel, training, and labor relations specialists									
5	23.74	6.6	37.4	23.91	6.6	37.3	22.21	10.8	37.9
6	14.78	6.5	39.4	14.78	6.5	39.4	—	—	—
7	18.95	13.0	39.2	—	—	—	—	—	—
8	22.01	6.3	39.3	22.09	7.0	40.0	—	—	—
9	18.86	2.8	39.4	19.04	4.2	39.4	—	—	—
10	26.35	5.0	40.1	26.83	4.6	40.1	—	—	—
11	30.80	7.6	38.0	—	—	—	—	—	—
Not able to be leveled	33.59	5.8	38.3	33.59	5.8	38.3	—	—	—
Buyers, wholesale and retail trade, except farm products	20.31	16.1	28.5	20.31	16.1	28.5	—	—	—
22.63	8.8	41.8	22.72	9.0	41.9	—	—	—	
Purchasing agents and buyers, n.e.c.	25.81	6.4	39.4	25.93	6.8	39.4	—	—	—
6	20.20	4.3	39.9	20.19	4.4	40.0	—	—	—
7	22.82	27.3	40.0	22.82	27.3	40.0	—	—	—
8	26.80	7.2	40.2	—	—	—	—	—	—
9	24.99	11.1	36.6	24.99	11.1	36.6	—	—	—
11	36.86	6.5	40.0	36.86	6.5	40.0	—	—	—
Construction inspectors	23.63	10.6	39.5	—	—	—	23.52	11.3	39.4
8	26.98	7.4	39.8	—	—	—	26.98	7.4	39.8
Inspectors and compliance officers, except construction									
20.60	2.4	39.3	21.13	5.4	39.9	20.44	3.0	39.1	
9	24.72	3.4	39.4	—	—	—	—	—	
Management related, n.e.c.	24.01	3.5	38.7	23.97	3.9	38.7	24.36	5.7	38.9
5	13.32	12.1	33.7	13.38	12.7	33.6	—	—	—
6	18.18	4.7	37.1	17.91	5.0	37.2	—	—	—
7	19.80	4.1	39.6	19.94	4.0	39.6	18.27	.8	39.2
8	22.26	3.9	39.5	22.55	5.0	39.7	19.93	4.7	38.3
9	25.00	3.3	38.8	24.85	3.9	38.7	25.55	2.9	39.3
10	29.79	4.7	39.5	29.79	4.7	39.5	—	—	—
11	32.39	6.8	39.9	32.72	9.9	39.9	—	—	—
12	39.05	3.8	39.6	39.05	3.8	39.6	—	—	—
Not able to be leveled	28.88	13.1	39.6	28.88	13.1	39.6	—	—	—
Sales									
15.28	5.0	33.2	15.28	5.0	33.2	14.66	11.7	28.2	
1	7.34	2.1	25.2	7.34	2.1	25.2	7.47	6.9	19.7
2	7.80	3.7	28.7	7.80	3.7	28.7	—	—	—
3	8.81	2.3	28.7	8.78	2.2	28.7	16.12	6.4	29.3
4	12.48	4.1	35.3	12.48	4.1	35.3	—	—	—

See footnotes at end of table.

TABLE 6. Occupations¹ and levels,² East North Central: Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ July 2002—Continued

Occupations and levels	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									
5	\$15.62	4.7	41.0	\$15.61	4.7	41.0	—	—	—
6	18.16	6.2	39.8	18.15	6.2	39.8	—	—	—
7	22.45	4.0	40.7	22.45	4.0	40.7	—	—	—
8	23.31	7.5	41.4	23.32	7.5	41.4	—	—	—
9	33.04	8.2	40.2	33.04	8.2	40.2	—	—	—
11	37.63	5.4	41.7	37.63	5.4	41.7	—	—	—
Not able to be leveled	17.27	16.3	35.7	17.27	16.3	35.7	—	—	—
Supervisors, sales	18.78	8.4	41.0	18.78	8.4	41.0	—	—	—
4	10.68	5.8	39.3	10.68	5.8	39.3	—	—	—
5	12.86	6.9	42.9	12.86	6.9	42.9	—	—	—
6	15.43	6.5	40.9	15.43	6.5	40.9	—	—	—
7	18.05	6.6	41.7	18.05	6.6	41.7	—	—	—
8	21.80	14.4	37.8	21.84	14.6	37.8	—	—	—
9	31.72	2.6	40.0	31.72	2.6	40.0	—	—	—
10	36.67	27.6	40.3	36.67	27.6	40.3	—	—	—
11	40.62	18.9	44.0	40.62	18.9	44.0	—	—	—
Not able to be leveled	17.85	20.7	41.6	17.85	20.7	41.6	—	—	—
Insurance sales	20.10	21.0	38.6	20.10	21.0	38.6	—	—	—
Real estate sales	20.42	20.3	39.5	20.42	20.3	39.5	—	—	—
Securities and financial services sales	35.49	10.0	39.7	35.49	10.0	39.7	—	—	—
Not able to be leveled	37.09	11.7	40.0	37.09	11.7	40.0	—	—	—
Advertising and related sales	21.90	5.7	39.8	21.88	5.7	39.8	—	—	—
4	12.72	9.7	40.0	12.72	9.7	40.0	—	—	—
6	20.71	6.7	39.2	20.63	6.7	39.2	—	—	—
Sales, other business services	19.87	5.5	40.8	19.87	5.5	40.8	—	—	—
4	14.93	9.6	40.9	14.93	9.6	40.9	—	—	—
5	16.05	7.0	43.2	16.05	7.0	43.2	—	—	—
6	20.76	15.5	40.0	20.76	15.5	40.0	—	—	—
Sales engineers	28.91	17.1	41.5	28.91	17.1	41.5	—	—	—
Sales representatives, mining, manufacturing, and wholesale	24.37	4.7	39.3	24.37	4.7	39.3	—	—	—
5	22.45	7.7	40.0	22.45	7.7	40.0	—	—	—
6	16.44	7.9	40.3	16.44	7.9	40.3	—	—	—
7	28.12	7.2	40.2	28.12	7.2	40.2	—	—	—
8	24.23	13.3	40.5	24.23	13.3	40.5	—	—	—
9	29.50	6.4	41.3	29.50	6.4	41.3	—	—	—
11	39.71	8.4	41.3	39.71	8.4	41.3	—	—	—
Not able to be leveled	35.72	10.8	40.4	35.72	10.8	40.4	—	—	—
Sales workers, motor vehicles and boats	14.95	9.9	44.2	14.95	9.9	44.2	—	—	—
4	17.04	16.0	44.2	17.04	16.0	44.2	—	—	—
5	14.65	17.1	42.3	14.65	17.1	42.3	—	—	—
Sales workers, apparel	9.32	8.5	25.7	9.32	8.5	25.7	—	—	—
1	7.14	6.0	19.5	7.14	6.0	19.5	—	—	—
2	8.39	4.7	24.8	8.39	4.7	24.8	—	—	—
4	11.07	6.4	31.7	11.07	6.4	31.7	—	—	—
Sales workers, furniture and home furnishings ..	12.00	10.7	27.7	12.00	10.7	27.7	—	—	—
Sales workers, hardware and building supplies ..	14.26	18.9	35.4	14.26	18.9	35.4	—	—	—
3	9.36	7.0	29.4	9.36	7.0	29.4	—	—	—
4	11.54	4.9	36.8	11.54	4.9	36.8	—	—	—
Sales workers, parts	11.01	7.1	32.6	11.01	7.1	32.6	—	—	—
3	9.90	9.8	30.8	9.90	9.8	30.8	—	—	—
4	12.27	9.6	35.4	12.27	9.6	35.4	—	—	—
Sales workers, other commodities	13.05	19.6	30.3	13.05	19.6	30.3	—	—	—
1	7.73	2.9	21.8	7.73	2.9	21.8	—	—	—
2	7.54	4.8	33.3	7.54	4.8	33.3	—	—	—
3	9.31	2.8	27.6	9.31	2.8	27.6	—	—	—
4	10.91	21.7	27.4	10.91	21.7	27.4	—	—	—
Sales counter clerks	8.57	6.3	30.7	8.57	6.3	30.7	—	—	—
1	7.16	3.1	20.8	7.16	3.1	20.8	—	—	—
2	7.89	3.7	20.6	7.89	3.7	20.6	—	—	—

See footnotes at end of table.

TABLE 6. Occupations¹ and levels,² East North Central: Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ July 2002—Continued

Occupations and levels	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 counter clerks—Continued									
3	\$9.06	6.8	37.2	\$9.06	6.8	37.2	—	—	—
Cashiers	7.81	2.4	28.5	7.78	2.3	28.5	\$13.19	12.1	27.5
1	7.12	2.4	26.4	7.12	2.4	26.4	—	—	—
2	7.66	3.4	28.0	7.66	3.4	28.0	—	—	—
3	8.38	2.5	31.8	8.30	2.3	31.8	16.12	6.4	29.3
4	12.72	10.7	35.7	12.75	11.1	35.6	—	—	—
Not able to be leveled	9.29	9.5	26.7	9.29	9.5	26.7	—	—	—
Demonstrators, promoters, and models, sales									
1	7.87	6.4	26.7	—	—	—	—	—	—
Sales support, n.e.c.	13.58	7.7	35.9	13.55	7.7	35.9	—	—	—
1	9.01	16.4	29.4	9.01	16.4	29.4	—	—	—
4	11.81	4.5	36.3	11.81	4.5	36.3	—	—	—
Not able to be leveled	15.29	11.6	40.0	15.29	11.6	40.0	—	—	—
Administrative support, including clerical									
1	13.64	1.3	36.3	13.63	1.6	36.2	13.70	2.9	36.5
2	9.31	2.8	27.3	9.24	2.8	27.4	9.77	8.8	26.4
3	9.95	.9	32.1	9.88	.9	32.4	10.46	4.7	29.9
4	10.91	1.6	34.8	10.76	1.8	34.7	12.04	2.0	36.0
5	13.27	1.6	37.4	13.34	1.8	37.2	13.03	4.4	38.0
6	15.16	2.0	38.7	14.98	2.3	39.0	15.97	3.4	37.1
7	16.66	3.0	39.5	17.11	2.7	39.6	15.40	4.6	39.1
8	18.76	1.9	39.3	18.75	2.5	39.4	18.82	4.4	38.9
9	19.72	4.5	39.9	20.00	5.3	39.8	17.63	8.2	39.9
Not able to be leveled	23.69	3.1	39.9	23.69	3.1	39.9	—	—	—
Supervisors, general office	15.81	9.3	37.8	15.81	9.3	37.8	—	—	—
6	19.12	5.2	39.4	19.21	5.9	39.4	18.37	4.2	39.3
7	18.20	6.5	39.7	18.31	6.5	39.7	—	—	—
8	16.74	2.8	39.6	16.06	3.8	39.8	19.53	7.1	38.8
9	18.21	3.7	40.0	18.82	7.4	40.0	—	—	—
Not able to be leveled	23.87	3.0	39.9	23.87	3.0	39.9	—	—	—
Supervisors, financial records processing	24.61	4.8	40.1	24.61	4.8	40.1	—	—	—
7	18.66	5.2	39.6	18.63	5.3	39.7	—	—	—
8	18.25	5.8	38.5	18.25	5.8	38.5	—	—	—
Not able to be leveled	18.70	11.8	40.0	18.70	11.8	40.0	—	—	—
Supervisors, distribution, scheduling, and adjusting clerks	20.10	14.2	39.7	20.10	14.2	39.7	—	—	—
5	18.62	8.0	39.5	17.48	7.6	39.9	22.90	9.9	37.8
Computer operators	18.67	17.5	40.6	—	—	—	—	—	—
4	—	—	—	16.30	4.9	38.8	—	—	—
7	15.82	2.7	39.4	15.95	3.9	39.6	—	—	—
Peripheral equipment operators	19.54	3.2	37.2	—	—	—	—	—	—
Secretaries	12.06	6.6	39.2	—	—	—	—	—	—
2	14.76	2.3	37.2	15.16	3.2	36.9	13.80	3.4	37.9
3	9.95	7.7	28.2	9.31	13.3	27.8	10.58	4.7	28.6
4	11.39	4.4	36.1	10.53	7.7	34.9	12.68	4.3	38.0
5	13.48	2.5	37.0	13.68	3.9	36.2	13.08	4.3	38.7
6	15.61	4.3	38.7	15.90	4.2	39.2	14.47	4.4	36.8
7	16.10	4.6	38.8	17.33	2.4	38.6	14.33	2.9	39.1
Not able to be leveled	19.90	3.6	39.0	19.68	5.0	39.1	20.67	7.0	39.0
Stenographers	19.63	2.9	35.7	19.63	2.9	35.7	—	—	—
3	17.69	21.6	34.9	17.97	27.4	34.5	16.63	2.7	36.5
4	11.81	6.3	34.5	—	—	—	—	—	—
Typists	13.38	4.1	32.9	12.94	3.1	32.4	—	—	—
2	12.53	4.8	36.4	12.57	5.4	35.6	12.45	8.5	37.8
3	10.28	5.0	33.0	—	—	—	—	—	—
4	12.46	8.2	37.3	11.70	12.2	36.9	13.12	8.5	37.7
Interviewers	14.29	11.1	38.3	—	—	—	—	—	—
4	9.33	5.8	28.7	9.28	5.7	28.7	—	—	—
	11.55	6.8	27.6	11.56	7.5	29.2	—	—	—

See footnotes at end of table.

TABLE 6. Occupations¹ and levels,² East North Central: Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ July 2002—Continued

Occupations and levels	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									
Hotel clerks	\$8.16	2.3	35.0	\$8.16	2.3	35.0	—	—	—
2	8.02	8.0	34.2	8.02	8.0	34.2	—	—	—
3	8.91	12.9	37.0	8.91	12.9	37.0	—	—	—
Transportation ticket and reservation agents	13.45	10.0	36.0	13.45	10.0	36.0	—	—	—
3	11.08	11.5	36.4	11.08	11.5	36.4	—	—	—
4	15.51	12.0	35.8	15.51	12.0	35.8	—	—	—
Receptionists	10.66	5.8	35.7	10.64	5.8	35.7	—	—	—
1	8.65	5.9	25.5	8.64	5.9	25.6	—	—	—
2	10.93	4.8	35.6	10.94	4.8	35.7	—	—	—
3	10.04	2.2	38.2	9.99	2.1	38.2	—	—	—
4	13.47	5.6	37.8	13.47	5.6	37.8	—	—	—
Not able to be leveled	9.97	10.1	23.7	9.97	10.1	23.7	—	—	—
Information clerks, n.e.c.	13.89	7.2	37.7	13.88	7.7	37.8	\$14.20	10.1	36.4
2	10.20	9.4	36.5	10.20	9.4	36.5	—	—	—
3	10.84	3.9	34.1	10.79	4.0	34.2	—	—	—
4	13.32	5.4	39.8	13.35	5.5	39.8	—	—	—
6	20.08	8.8	39.8	—	—	—	—	—	—
Not able to be leveled	12.68	12.6	38.9	12.68	12.6	38.9	—	—	—
Order clerks	13.15	3.2	34.6	13.14	3.2	34.6	—	—	—
2	9.27	12.8	20.6	9.27	12.8	20.6	—	—	—
3	12.76	3.7	34.3	12.76	3.7	34.3	—	—	—
4	13.38	2.5	39.6	13.38	2.5	39.6	—	—	—
5	14.76	3.7	40.0	14.78	3.7	40.0	—	—	—
7	20.43	5.2	39.5	—	—	—	—	—	—
Personnel clerks, except payroll and timekeeping	14.47	10.9	38.6	16.02	1.9	39.0	12.69	19.8	38.2
4	11.66	16.4	37.8	15.64	3.9	38.4	—	—	—
6	19.17	4.4	39.8	—	—	—	—	—	—
Library clerks	10.63	5.9	27.5	11.87	8.5	32.5	10.38	6.1	26.7
1	7.55	3.9	15.2	—	—	—	7.57	3.9	15.2
2	9.43	6.7	23.1	—	—	—	9.40	7.9	23.9
3	10.19	2.0	26.4	—	—	—	10.39	1.8	24.7
4	9.93	10.3	34.4	—	—	—	9.74	9.4	34.4
5	14.40	6.8	28.8	—	—	—	14.38	7.1	28.4
6	14.23	2.1	39.3	—	—	—	—	—	—
File clerks	9.52	3.5	31.0	9.53	3.5	31.0	—	—	—
1	7.93	4.6	21.4	7.93	4.7	21.5	—	—	—
2	9.71	2.0	35.0	9.71	2.0	35.0	—	—	—
3	10.53	6.2	34.3	10.65	6.9	33.9	—	—	—
Records clerks, n.e.c.	12.68	4.0	38.3	12.21	4.3	38.4	15.14	13.8	37.6
1	8.32	3.6	39.3	—	—	—	—	—	—
2	9.86	2.9	37.7	9.80	3.2	38.7	—	—	—
3	10.59	5.3	37.7	10.62	5.6	37.6	—	—	—
4	13.98	14.6	37.7	11.74	8.4	38.3	18.58	17.7	36.5
5	12.95	5.4	38.9	12.36	5.8	38.6	14.39	8.8	39.5
6	16.04	5.8	37.5	15.42	6.2	38.6	—	—	—
Bookkeepers, accounting and auditing clerks	13.04	2.7	36.2	12.94	3.2	35.9	13.72	5.5	38.3
2	10.36	7.4	38.2	10.23	7.8	38.2	—	—	—
3	10.78	5.0	27.8	10.68	4.9	27.5	—	—	—
4	12.99	2.3	37.9	13.04	2.6	37.9	12.80	5.7	38.3
5	14.14	4.0	39.4	14.12	4.5	39.5	14.26	6.3	38.3
6	15.52	4.5	39.6	15.20	6.3	40.0	16.06	4.6	38.9
7	16.37	4.9	38.5	—	—	—	15.84	5.2	39.6
Not able to be leveled	13.65	4.7	38.4	13.65	4.7	38.4	—	—	—
Payroll and timekeeping clerks	15.94	6.2	38.1	15.72	6.3	38.0	18.27	6.9	38.3
3	11.77	5.0	38.6	11.77	5.0	38.6	—	—	—
4	15.35	12.2	38.8	15.30	13.3	38.7	—	—	—
5	14.02	3.8	39.7	14.02	3.8	39.7	—	—	—
6	17.56	4.7	40.0	16.94	4.9	40.0	—	—	—

See footnotes at end of table.

TABLE 6. Occupations¹ and levels,² East North Central: Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ July 2002—Continued

Occupations and levels	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									
Payroll and timekeeping clerks—Continued									
7	\$21.91	13.0	38.3	—	—	—	—	—	—
Billing clerks	14.16	4.3	37.1	\$14.20	4.4	37.0	\$12.68	7.1	39.9
3	13.30	2.3	36.9	13.29	2.3	36.9	—	—	—
4	13.40	6.3	37.9	13.48	6.5	37.8	—	—	—
5	14.33	6.5	38.8	14.34	6.8	38.8	—	—	—
Duplicating machine operators	13.06	9.2	39.3	13.12	9.7	39.3	—	—	—
Mail preparing and paper handling machine operators	10.62	7.7	39.8	10.62	7.7	39.8	—	—	—
Telephone operators	12.85	11.6	34.2	13.00	11.5	33.9	—	—	—
2	12.57	15.1	34.2	12.84	14.9	33.9	—	—	—
3	12.00	4.5	35.6	11.95	4.9	35.4	—	—	—
Mail clerks, except postal service	12.45	13.2	33.4	12.41	13.7	33.2	—	—	—
1	8.50	3.5	28.1	8.50	3.5	28.1	—	—	—
2	9.71	6.1	29.3	9.71	6.1	29.3	—	—	—
3	11.86	10.3	38.7	11.58	12.7	38.5	—	—	—
Dispatchers	14.44	5.5	38.4	14.64	9.6	39.2	14.21	9.0	37.5
3	13.04	8.6	32.7	—	—	—	—	—	—
4	11.80	8.0	39.1	11.71	9.2	38.8	11.96	20.2	39.7
5	18.71	4.3	39.5	—	—	—	17.86	4.6	38.3
6	15.78	4.2	41.1	—	—	—	15.52	4.0	40.0
Production coordinators	17.21	5.7	39.8	17.21	5.7	39.8	—	—	—
4	14.17	6.2	42.7	14.17	6.2	42.7	—	—	—
6	16.72	7.0	39.9	16.72	7.0	39.9	—	—	—
7	18.43	5.5	40.0	18.43	5.5	40.0	—	—	—
Traffic, shipping and receiving clerks	12.66	8.3	39.5	12.66	8.3	39.5	—	—	—
1	9.84	15.7	35.6	9.84	15.7	35.6	—	—	—
2	10.08	1.9	37.6	10.08	1.9	37.6	—	—	—
3	10.46	9.4	39.7	10.46	9.4	39.7	—	—	—
4	14.02	2.2	39.8	14.02	2.2	39.8	—	—	—
5	17.50	9.3	39.7	17.50	9.3	39.7	—	—	—
Stock and inventory clerks	13.17	3.8	36.9	13.19	4.1	36.8	13.01	6.0	37.8
2	9.49	5.2	34.5	9.45	5.0	34.4	—	—	—
3	10.76	3.2	33.9	10.72	3.0	33.9	—	—	—
4	14.14	7.6	39.4	14.60	7.6	40.0	—	—	—
5	15.97	5.6	39.3	16.11	7.3	39.3	—	—	—
Not able to be leveled	13.81	10.8	34.8	13.81	10.8	34.8	—	—	—
Meter readers	15.32	7.3	39.8	—	—	—	—	—	—
Weighers, measurers, checkers, and samplers	16.68	9.5	40.0	16.69	10.0	40.0	—	—	—
3	19.70	4.7	40.0	19.70	4.7	40.0	—	—	—
Expeditors	13.84	17.3	30.3	13.85	17.6	30.2	—	—	—
Material recording, scheduling, and distribution clerks, n.e.c.	18.38	8.7	38.9	18.38	8.7	38.9	—	—	—
4	14.32	7.4	37.9	14.32	7.4	37.9	—	—	—
Insurance adjusters, examiners, and investigators	23.48	20.8	37.1	23.48	20.8	37.1	—	—	—
5	15.79	14.7	37.8	15.79	14.7	37.8	—	—	—
6	17.33	6.7	37.1	17.33	6.7	37.1	—	—	—
7	19.58	8.7	38.8	19.58	8.7	38.8	—	—	—
Investigators and adjusters, except insurance	13.85	8.5	38.2	13.75	8.7	38.2	17.09	6.0	40.0
4	14.21	11.6	34.7	14.20	11.7	34.6	—	—	—
5	15.30	5.5	39.3	15.29	5.6	39.3	—	—	—
6	16.99	4.5	39.9	17.27	5.3	39.9	—	—	—
7	19.24	4.6	39.7	19.34	6.1	39.5	—	—	—
Not able to be leveled	14.09	7.5	39.3	14.09	7.5	39.3	—	—	—
Eligibility clerks, social welfare	13.50	6.6	39.6	10.76	8.4	39.3	16.19	3.2	40.0
4	12.40	7.1	38.4	—	—	—	—	—	—
6	16.55	3.6	40.0	—	—	—	16.55	3.6	40.0
Bill and account collectors	12.51	9.5	37.7	12.43	9.6	37.7	—	—	—

See footnotes at end of table.

TABLE 6. Occupations¹ and levels,² East North Central: Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ July 2002—Continued

Occupations and levels	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									
Bill and account collectors—Continued									
2	\$8.50	1.5	35.6	\$8.50	1.5	35.6	—	—	—
3	11.31	8.7	36.3	11.31	8.7	36.3	—	—	—
4	12.64	13.1	40.0	12.64	13.1	40.0	—	—	—
5	13.76	6.5	31.8	13.09	4.3	31.0	—	—	—
Not able to be leveled	18.74	15.8	39.2	18.74	15.8	39.2	—	—	—
General office clerks	12.24	1.5	35.0	11.71	2.1	34.3	\$14.05	3.3	37.5
1	10.11	6.6	22.4	10.16	6.9	23.6	—	—	—
2	10.25	2.7	36.6	10.19	3.6	37.4	10.65	4.6	32.1
3	10.68	2.8	31.0	10.42	3.0	30.1	12.30	1.7	38.0
4	12.67	2.9	36.7	11.66	3.6	35.6	14.33	1.9	38.7
5	16.22	9.0	38.4	15.51	5.6	38.6	18.42	12.8	37.9
6	15.51	11.7	39.8	19.78	6.5	39.7	—	—	—
7	20.58	.8	39.9	20.48	1.0	40.8	—	—	—
Not able to be leveled	12.57	9.8	39.3	12.57	9.8	39.3	—	—	—
Bank tellers	9.71	2.3	34.6	9.70	2.3	34.6	—	—	—
2	9.04	3.7	31.1	9.04	3.7	31.1	—	—	—
3	9.47	1.7	36.0	9.47	1.7	36.0	—	—	—
4	10.93	5.0	37.5	10.93	5.0	37.5	—	—	—
Not able to be leveled	9.86	2.6	36.3	9.86	2.6	36.3	—	—	—
Data entry keyers	12.21	11.6	36.9	12.18	12.2	36.8	12.84	4.0	39.3
2	9.45	9.2	35.7	9.44	9.4	35.6	—	—	—
3	10.41	5.1	36.1	10.32	5.5	36.0	—	—	—
4	18.47	13.8	38.5	18.80	15.1	38.5	—	—	—
Statistical clerks	14.59	8.0	36.8	14.67	8.0	36.8	—	—	—
4	14.63	2.1	34.0	—	—	—	—	—	—
Teachers' aides	11.19	5.2	32.9	7.85	5.0	25.5	11.34	5.2	33.4
1	11.27	5.4	32.5	—	—	—	11.52	4.1	33.9
2	9.86	7.4	28.9	7.84	4.0	25.6	10.12	8.2	29.4
3	10.58	3.2	35.0	—	—	—	10.58	3.2	35.0
4	11.25	10.9	35.3	—	—	—	11.28	10.9	35.3
5	18.75	15.4	33.8	—	—	—	18.85	15.5	33.7
Administrative support, n.e.c.	13.57	3.0	35.4	13.45	2.8	35.1	14.19	6.9	36.8
1	9.28	6.5	25.4	9.30	6.5	25.5	—	—	—
2	10.37	5.3	32.0	9.97	4.7	33.0	12.24	3.8	28.2
3	11.50	5.1	29.6	11.09	5.5	28.3	12.84	4.4	34.8
4	12.32	4.4	35.3	12.51	4.5	34.9	11.31	7.7	37.8
5	13.41	7.6	38.6	12.93	9.4	39.1	14.81	5.6	37.4
6	16.79	2.6	38.8	16.46	3.7	38.8	—	—	—
7	18.56	1.1	39.6	18.63	1.4	39.4	—	—	—
Not able to be leveled	16.14	4.8	37.9	16.14	4.8	37.9	—	—	—
Blue collar	15.43	1.5	38.0	15.34	1.6	38.0	17.55	2.2	36.7
1	8.84	4.1	32.6	8.76	3.6	32.6	13.91	17.2	35.9
2	11.53	1.1	36.2	11.43	1.3	36.2	14.09	4.2	36.2
3	14.99	4.6	38.7	14.99	4.7	39.1	14.82	6.6	31.0
4	15.54	2.3	39.5	15.51	2.3	39.6	16.38	5.0	35.6
5	16.29	2.1	39.5	16.27	2.2	39.6	16.59	3.2	37.6
6	18.38	3.7	40.5	18.39	4.0	40.5	18.21	2.6	39.8
7	22.75	1.7	39.9	22.79	1.6	39.9	22.19	2.9	39.9
8	25.96	2.5	39.8	26.05	2.6	39.8	24.19	5.2	39.8
9	26.31	4.4	40.1	26.32	4.5	40.1	25.28	3.3	40.5
10	27.74	15.0	41.1	27.74	15.0	41.1	—	—	—
Not able to be leveled	14.50	5.7	39.4	14.50	5.7	39.4	—	—	—
Precision production, craft, and repair	19.48	1.9	39.7	19.46	2.0	39.7	19.79	2.3	39.6
1	10.45	17.3	40.0	10.45	17.3	40.0	—	—	—
2	11.12	3.9	37.1	11.12	3.9	37.1	—	—	—
3	11.95	8.4	39.6	11.87	9.2	39.6	13.92	1.3	40.0

See footnotes at end of table.

TABLE 6. Occupations¹ and levels,² East North Central: Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ July 2002—Continued

Occupations and levels	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									
4	\$15.42	4.3	39.2	\$15.49	4.0	39.2	\$13.76	14.3	37.2
5	15.46	2.3	39.4	15.35	2.4	39.4	16.56	5.3	39.5
6	18.96	4.3	39.6	18.96	4.6	39.6	18.98	3.3	39.6
7	23.03	1.6	39.9	23.08	1.5	39.9	22.41	3.9	39.8
8	26.07	2.7	39.7	26.22	2.6	39.7	23.43	7.4	40.0
9	26.39	5.1	40.1	26.41	5.2	40.1	25.28	3.3	40.5
10	27.74	15.0	41.1	27.74	15.0	41.1	—	—	—
Not able to be leveled	17.27	5.3	40.0	17.27	5.3	40.0	—	—	—
Supervisors, mechanics and repairers	24.11	6.9	40.5	24.46	8.4	40.6	21.18	9.2	40.1
7	21.03	13.5	42.0	21.20	20.5	42.8	20.55	12.7	40.0
8	28.95	14.3	40.8	29.07	14.7	40.7	—	—	—
9	32.33	3.1	40.0	32.95	2.1	40.0	—	—	—
Automobile mechanics	16.72	6.9	40.0	16.62	7.6	40.0	18.45	3.1	40.0
5	15.92	4.0	40.0	15.92	4.0	40.0	—	—	—
7	19.65	4.0	40.6	20.04	4.9	40.7	18.37	4.0	40.0
Bus, truck, and stationary engine mechanics	17.49	6.6	39.5	17.34	7.3	39.5	18.66	2.9	40.0
5	13.92	5.9	40.0	13.30	3.1	40.0	—	—	—
7	19.86	2.5	39.2	19.96	2.4	39.2	18.96	5.6	40.0
Automobile body and related repairers	16.27	4.5	40.0	16.27	4.5	40.0	—	—	—
Aircraft mechanics, except engine	25.03	4.3	40.0	25.03	4.3	40.0	—	—	—
Heavy equipment mechanics	18.42	13.1	39.7	18.82	17.1	39.7	16.90	12.3	39.8
6	18.97	5.8	39.8	—	—	—	—	—	—
7	23.94	12.9	39.3	24.15	13.1	39.3	—	—	—
Industrial machinery repairers	20.79	3.8	39.8	20.74	3.9	39.8	26.07	25.0	40.0
5	16.26	4.2	40.0	16.26	4.2	40.0	—	—	—
6	18.34	3.9	40.0	18.34	3.9	40.0	—	—	—
7	23.52	1.9	39.6	23.57	1.8	39.6	—	—	—
8	24.21	13.3	39.7	22.57	5.9	39.7	—	—	—
Machinery maintenance	15.76	8.0	37.7	15.91	8.4	37.9	—	—	—
3	17.22	23.6	39.4	17.22	23.6	39.4	—	—	—
4	14.94	8.1	40.0	14.94	8.1	40.0	—	—	—
5	15.33	9.4	36.1	15.66	9.4	36.4	—	—	—
Electronic repairers, communications and industrial equipment	19.73	10.8	39.7	19.73	10.8	39.7	—	—	—
5	21.63	15.8	39.0	21.63	15.8	39.0	—	—	—
7	22.05	7.6	40.0	22.05	7.6	40.0	—	—	—
Data processing equipment repairers	—	—	—	—	—	—	—	—	—
7	20.08	8.8	40.0	20.08	8.8	40.0	—	—	—
Household appliance and power tool repairers	15.78	15.1	34.8	15.78	15.1	34.8	—	—	—
Telephone installers and repairers	18.89	6.7	40.0	19.37	7.3	40.0	—	—	—
7	20.98	11.4	40.0	24.10	2.6	40.0	—	—	—
Heating, air conditioning, and refrigeration mechanics	16.16	5.6	38.9	15.70	10.2	38.7	18.08	2.6	39.9
7	18.22	8.1	39.9	18.19	14.7	40.0	—	—	—
Office machine repairers	14.41	10.6	40.0	14.41	10.6	40.0	—	—	—
Mechanical controls and valve repairers	18.56	3.6	36.2	—	—	—	18.40	4.8	35.4
Millwrights	24.24	2.3	40.0	24.26	2.3	40.0	—	—	—
7	24.58	3.2	40.0	24.60	3.3	40.0	—	—	—
Mechanics and repairers, n.e.c.	16.31	4.5	38.3	16.32	4.7	38.2	16.19	10.3	39.9
4	12.33	5.0	40.0	12.33	5.0	40.0	—	—	—
5	15.66	5.4	40.0	15.95	4.2	40.0	12.84	7.9	40.0
6	16.26	6.9	40.0	16.08	6.8	40.0	—	—	—
7	21.30	4.0	40.0	21.36	4.3	40.0	20.59	4.2	40.0
Not able to be leveled	13.93	14.0	34.7	13.93	14.0	34.7	—	—	—
Supervisors, carpenters and related workers	25.52	9.0	40.0	25.58	9.0	40.0	—	—	—
Supervisors, electricians and power transmission installers	30.64	3.8	41.4	30.64	3.8	41.4	—	—	—
9	32.06	4.0	40.0	32.06	4.0	40.0	—	—	—
Supervisors, plumbers, pipefitters, and steamfitters	24.90	13.3	45.9	24.91	13.7	46.1	—	—	—

See footnotes at end of table.

TABLE 6. Occupations¹ and levels,² East North Central: Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ July 2002—Continued

Occupations and levels	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									
Supervisors, plumbers, pipefitters, and steamfitters—Continued									
9	\$28.35	6.9	40.0	—	—	—	—	—	—
Supervisors, construction trades, n.e.c.	22.67	8.2	39.3	\$22.85	9.5	39.3	\$21.18	4.1	39.8
7	22.43	8.4	40.0	22.81	9.7	40.0	19.76	7.0	39.8
8	26.14	5.2	37.1	—	—	—	—	—	—
9	33.54	6.0	40.1	33.71	5.9	40.0	—	—	—
Brickmasons and stonemasons	23.70	6.6	40.0	23.70	6.6	40.0	—	—	—
7	24.23	8.4	40.0	24.23	8.4	40.0	—	—	—
Carpenters	22.12	5.5	39.8	22.33	6.1	39.8	19.20	19.3	40.0
5	17.45	10.7	39.9	18.58	9.0	39.9	—	—	—
7	26.45	3.5	39.8	26.54	3.9	39.7	24.84	17.0	40.0
Electricians	23.36	3.6	39.4	22.98	3.6	39.3	27.79	7.6	39.9
6	20.52	19.1	40.0	20.52	19.1	40.0	—	—	—
7	25.20	2.7	40.0	24.79	3.1	40.0	28.42	6.3	39.9
Electrician apprentices	15.47	3.3	39.2	15.47	3.3	39.2	—	—	—
Electrical power installers and repairers	25.17	4.6	40.0	25.37	4.9	40.0	—	—	—
7	24.85	6.3	40.0	24.85	6.3	40.0	—	—	—
8	27.03	3.8	40.0	27.57	3.1	40.0	—	—	—
Painters, construction and maintenance	16.30	13.1	39.8	16.18	13.6	39.8	19.00	5.7	39.8
4	11.93	16.6	39.8	11.93	16.6	39.8	—	—	—
6	24.93	6.4	39.8	24.98	6.6	39.9	—	—	—
7	23.21	8.2	39.5	24.89	6.3	39.3	—	—	—
Plumbers, pipefitters and steamfitters	23.07	5.2	39.4	23.12	5.5	39.5	22.15	6.4	39.2
7	23.96	4.1	39.3	24.06	4.1	39.3	—	—	—
Concrete and terrazzo finishers	22.06	10.9	40.0	22.10	10.9	40.0	—	—	—
Roofers	21.62	5.1	40.0	21.62	5.1	40.0	—	—	—
Construction trades, n.e.c.	18.88	9.9	39.4	20.37	13.7	39.3	16.73	6.7	39.5
4	14.22	14.7	38.7	—	—	—	13.39	16.8	39.4
5	17.19	8.1	39.5	—	—	—	17.88	8.8	39.3
6	20.90	6.5	39.7	—	—	—	19.50	5.0	39.6
7	25.25	10.6	37.7	—	—	—	—	—	—
Supervisors, production	21.66	3.2	40.4	21.66	3.2	40.4	—	—	—
5	15.63	4.0	40.0	15.63	4.0	40.0	—	—	—
6	22.29	10.4	40.0	22.29	10.4	40.0	—	—	—
7	21.23	3.5	40.9	21.23	3.5	40.9	—	—	—
8	24.72	5.0	40.2	24.72	5.0	40.2	—	—	—
9	23.64	7.4	40.2	23.64	7.4	40.2	—	—	—
Not able to be leveled	20.07	20.5	40.6	20.07	20.5	40.6	—	—	—
Tool and die makers	23.13	2.9	40.0	23.13	2.9	40.0	—	—	—
6	21.02	10.4	40.0	21.02	10.4	40.0	—	—	—
7	23.54	2.6	40.0	23.54	2.6	40.0	—	—	—
Tool and die maker apprentices	17.69	9.4	39.5	17.69	9.4	39.5	—	—	—
Precision assemblers, metal	20.11	6.6	40.0	20.11	6.6	40.0	—	—	—
4	19.49	7.0	40.0	19.49	7.0	40.0	—	—	—
5	19.09	5.1	40.0	19.09	5.1	40.0	—	—	—
Machinists	19.63	6.6	39.8	19.56	6.7	39.8	—	—	—
5	15.46	5.6	40.0	15.46	5.6	40.0	—	—	—
6	19.53	14.0	36.0	19.53	14.0	36.0	—	—	—
7	21.99	2.7	40.0	—	—	—	—	—	—
8	20.57	5.7	40.0	20.57	5.7	40.0	—	—	—
Precision grinders, filers, and tool sharpeners ...	16.61	13.2	40.0	16.61	13.2	40.0	—	—	—
7	22.99	8.3	40.0	22.99	8.3	40.0	—	—	—
Patternmakers and modelmakers, metal	21.67	14.2	40.0	21.67	14.2	40.0	—	—	—
7	23.79	16.8	40.0	23.79	16.8	40.0	—	—	—
Sheet metal workers									
7	24.91	8.2	40.0	24.91	8.2	40.0	—	—	—
Cabinet makers and bench carpenters	11.87	17.0	39.9	—	—	—	—	—	—
Dental laboratory and medical appliance technicians	13.78	1.4	40.0	13.78	1.4	40.0	—	—	—

See footnotes at end of table.

TABLE 6. Occupations¹ and levels,² East North Central: Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ July 2002—Continued

Occupations and levels	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									
Bookbinders	\$13.43	13.9	39.5	\$13.43	13.9	39.5	—	—	—
Electrical and electronic equipment assemblers	10.56	11.0	40.0	10.56	11.0	40.0	—	—	—
2	10.98	15.3	40.0	10.98	15.3	40.0	—	—	—
4	13.31	3.4	40.0	13.31	3.4	40.0	—	—	—
5	13.42	7.8	40.0	13.42	7.8	40.0	—	—	—
Miscellaneous precision workers, n.e.c.									
7	20.03	9.1	40.0	20.03	9.1	40.0	—	—	—
Butchers and meat cutters	11.47	13.4	37.7	11.47	13.4	37.7	—	—	—
4	14.39	4.6	40.0	14.39	4.6	40.0	—	—	—
5	13.45	4.8	29.6	13.45	4.8	29.6	—	—	—
Bakers	11.83	7.3	36.8	11.83	7.3	36.8	—	—	—
2	8.98	5.5	33.2	8.98	5.5	33.2	—	—	—
4	11.64	2.4	39.3	11.64	2.4	39.3	—	—	—
Food batchmakers	15.44	10.7	40.0	15.44	10.7	40.0	—	—	—
Inspectors, testers, and graders	18.85	7.4	40.0	18.83	7.5	40.0	—	—	—
5	15.59	4.0	39.2	15.59	4.0	39.2	—	—	—
7	22.72	3.7	40.5	22.85	3.8	40.6	—	—	—
Water and sewer treatment plant operators	18.37	3.8	40.0	—	—	—	\$18.41	3.9	40.0
5	16.94	3.6	40.0	—	—	—	16.78	3.4	40.0
7	20.91	4.4	40.0	—	—	—	21.04	4.9	40.0
Stationary engineers	24.76	6.7	39.6	21.87	7.5	40.0	26.36	8.3	39.4
7	25.25	7.1	39.5	22.18	8.1	40.0	—	—	—
Miscellaneous plant and system operators, n.e.c.	18.27	10.0	40.0	18.30	10.9	40.0	—	—	—
Machine operators, assemblers, and inspectors	14.07	2.2	39.5	14.07	2.2	39.5	15.87	8.4	40.0
1	8.53	4.5	38.9	8.52	4.5	38.9	—	—	—
2	11.40	1.8	38.3	11.40	1.8	38.3	—	—	—
3	16.09	5.6	39.8	16.09	5.6	39.8	—	—	—
4	15.06	4.0	39.8	15.06	4.0	39.8	—	—	—
5	15.78	2.7	39.8	15.78	2.7	39.8	—	—	—
6	17.85	4.6	39.9	17.85	4.6	39.9	—	—	—
7	19.60	4.6	39.9	19.65	4.7	39.9	—	—	—
Not able to be leveled	13.32	7.0	39.6	13.32	7.0	39.6	—	—	—
Lathe and turning machine set-up operators	17.66	6.3	40.0	17.66	6.3	40.0	—	—	—
4	19.50	9.2	40.0	19.50	9.2	40.0	—	—	—
Lathe and turning machine operators	16.03	7.7	40.0	16.03	7.7	40.0	—	—	—
4	17.25	11.1	40.0	17.25	11.1	40.0	—	—	—
5	17.32	3.6	40.0	17.32	3.6	40.0	—	—	—
Milling and planing machine operators	12.81	12.1	40.0	12.81	12.1	40.0	—	—	—
Punching and stamping press operators	13.27	13.4	40.0	13.27	13.4	40.0	—	—	—
1	11.94	7.5	40.0	11.94	7.5	40.0	—	—	—
2	10.98	7.4	40.0	10.98	7.4	40.0	—	—	—
3	16.39	6.6	40.0	16.39	6.6	40.0	—	—	—
4	18.85	11.0	39.8	18.85	11.0	39.8	—	—	—
5	14.76	5.0	40.0	14.76	5.0	40.0	—	—	—
Rolling machine operators	14.45	5.2	40.0	14.45	5.2	40.0	—	—	—
Drilling and boring machine operators	12.22	16.3	40.0	12.22	16.3	40.0	—	—	—
3	13.36	6.2	40.0	13.36	6.2	40.0	—	—	—
4	16.95	8.8	40.0	16.95	8.8	40.0	—	—	—
5	15.88	6.7	40.0	15.88	6.7	40.0	—	—	—
Grinding, abrading, buffing, and polishing machine operators	13.44	5.7	37.1	13.44	5.7	37.1	—	—	—
1	10.39	4.0	40.0	10.39	4.0	40.0	—	—	—
Forging machine operators	15.29	9.8	40.0	15.29	9.8	40.0	—	—	—
Numerical control machine operators	14.85	6.5	40.0	14.85	6.5	40.0	—	—	—
5	14.31	3.7	40.0	14.31	3.7	40.0	—	—	—
6	17.76	2.5	40.0	17.76	2.5	40.0	—	—	—
7	18.45	5.1	40.0	18.45	5.1	40.0	—	—	—
Fabricating machine operators, n.e.c.	16.46	4.1	39.8	16.46	4.1	39.8	—	—	—

See footnotes at end of table.

TABLE 6. Occupations¹ and levels,² East North Central: Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ July 2002—Continued

Occupations and levels	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									
Fabricating machine operators, n.e.c.—Continued									
2	\$10.46	15.7	39.8	\$10.46	15.7	39.8	—	—	—
3	16.95	4.6	40.0	16.95	4.6	40.0	—	—	—
4	19.11	5.5	39.7	19.11	5.5	39.7	—	—	—
5	14.79	2.9	40.0	14.79	2.9	40.0	—	—	—
Molding and casting machine operators	12.27	3.2	39.7	12.27	3.2	39.7	—	—	—
1	8.56	5.8	39.9	8.56	5.8	39.9	—	—	—
2	9.56	3.6	39.7	9.56	3.6	39.7	—	—	—
3	12.99	5.4	39.9	12.99	5.4	39.9	—	—	—
4	13.02	5.8	40.0	13.02	5.8	40.0	—	—	—
5	16.37	4.6	39.9	16.37	4.6	39.9	—	—	—
Not able to be leveled	11.80	7.2	35.9	11.80	7.2	35.9	—	—	—
Metal plating machine operators	13.20	8.4	38.7	13.20	8.4	38.7	—	—	—
4	14.05	9.5	37.3	14.05	9.5	37.3	—	—	—
Heat treating equipment operators	15.38	4.3	40.0	15.38	4.3	40.0	—	—	—
4	17.33	15.3	40.0	17.33	15.3	40.0	—	—	—
Wood lathe, routing, and planing machine operators	12.80	5.2	39.5	12.80	5.2	39.5	—	—	—
Shaping and jointing machine operators	12.82	4.7	40.0	12.82	4.7	40.0	—	—	—
Printing press operators	15.34	6.0	39.3	15.33	6.1	39.3	—	—	—
3	11.73	7.3	40.0	11.73	7.3	40.0	—	—	—
4	15.44	11.2	39.5	15.43	11.3	39.5	—	—	—
5	16.86	10.3	38.2	16.87	10.5	38.2	—	—	—
6	16.12	3.6	39.7	16.12	3.6	39.7	—	—	—
7	17.34	7.9	39.3	17.34	7.9	39.3	—	—	—
Photoengravers and lithographers	17.43	11.0	38.5	17.43	11.0	38.5	—	—	—
Typesetters and compositors	12.40	20.6	30.6	12.40	20.6	30.6	—	—	—
Textile sewing machine operators	13.54	15.7	39.5	13.54	15.7	39.5	—	—	—
2	13.20	11.8	40.0	13.20	11.8	40.0	—	—	—
3	14.20	21.7	39.1	14.20	21.7	39.1	—	—	—
Pressing machine operators	9.14	2.9	38.6	9.14	2.9	38.6	—	—	—
Laundry and dry cleaning machine operators	8.39	4.5	36.9	8.33	4.5	36.8	—	—	—
1	7.71	3.2	35.1	7.57	3.0	35.0	—	—	—
2	9.39	6.9	38.6	9.39	6.9	38.6	—	—	—
Packaging and filling machine operators	14.59	7.5	39.2	14.59	7.5	39.2	—	—	—
1	11.15	7.7	38.4	11.15	7.7	38.4	—	—	—
2	12.29	8.5	38.6	12.29	8.5	38.6	—	—	—
3	14.58	8.5	39.9	14.58	8.5	39.9	—	—	—
4	15.13	11.3	40.0	15.13	11.3	40.0	—	—	—
5	17.17	3.5	39.8	17.17	3.5	39.8	—	—	—
Extruding and forming machine operators	13.74	6.1	39.2	13.74	6.1	39.2	—	—	—
2	11.93	9.8	39.6	11.93	9.8	39.6	—	—	—
3	10.45	4.6	40.0	10.45	4.6	40.0	—	—	—
Mixing and blending machine operators	17.35	9.5	39.6	17.35	9.5	39.6	—	—	—
2	17.27	2.8	37.8	17.27	2.8	37.8	—	—	—
3	14.12	4.8	39.9	14.12	4.8	39.9	—	—	—
4	13.05	2.2	39.8	13.05	2.2	39.8	—	—	—
5	17.55	6.9	40.0	17.55	6.9	40.0	—	—	—
Separating, filtering, and clarifying machine operators	19.85	2.6	40.0	19.85	2.6	40.0	—	—	—
5	20.02	4.6	39.9	20.02	4.6	39.9	—	—	—
Compressing and compacting machine operators	11.88	5.4	39.8	11.88	5.4	39.8	—	—	—
Painting and paint spraying machine operators	13.60	4.6	39.8	13.60	4.6	39.8	—	—	—
2	11.53	7.5	40.0	11.53	7.5	40.0	—	—	—
3	14.26	8.6	40.0	14.26	8.6	40.0	—	—	—
5	14.14	7.1	40.0	14.14	7.1	40.0	—	—	—
Folding machine operators	13.85	7.1	40.0	13.85	7.1	40.0	—	—	—

See footnotes at end of table.

TABLE 6. Occupations¹ and levels,² East North Central: Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ July 2002—Continued

Occupations and levels	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									
Furnace, kiln, and oven operators, except food	\$14.45	12.7	40.0	\$14.43	12.7	40.0	—	—	—
5	16.22	15.3	40.0	16.18	15.6	40.0	—	—	—
Slicing and cutting machine operators	14.26	8.0	40.0	14.26	8.0	40.0	—	—	—
2	12.97	7.3	40.0	12.97	7.3	40.0	—	—	—
3	13.88	8.6	40.0	13.88	8.6	40.0	—	—	—
4	12.97	17.6	40.0	12.97	17.6	40.0	—	—	—
5	12.49	18.1	40.0	12.49	18.1	40.0	—	—	—
Photographic process machine operators	11.64	13.0	39.1	11.64	13.0	39.1	—	—	—
Miscellaneous machine operators, n.e.c.	14.20	5.0	39.6	14.19	5.0	39.6	—	—	—
1	11.12	5.9	37.9	11.12	5.9	37.9	—	—	—
2	12.41	3.2	39.6	12.41	3.2	39.6	—	—	—
3	13.06	9.0	39.4	13.04	9.0	39.4	—	—	—
4	15.71	8.1	39.9	15.71	8.1	39.9	—	—	—
5	16.44	4.8	39.9	16.44	4.8	39.9	—	—	—
7	20.34	9.5	40.0	20.38	10.6	40.0	—	—	—
Not able to be leveled	13.34	13.4	39.7	13.34	13.4	39.7	—	—	—
Welders and cutters	16.30	3.7	39.9	16.30	3.8	39.9	—	—	—
2	12.57	5.1	40.0	12.57	5.1	40.0	—	—	—
3	19.14	8.2	40.0	19.14	8.2	40.0	—	—	—
4	16.10	4.9	39.9	16.10	4.9	39.9	—	—	—
5	15.51	3.7	39.7	15.49	3.8	39.7	—	—	—
6	17.15	5.7	40.0	17.15	5.7	40.0	—	—	—
7	18.39	6.4	40.0	18.59	6.9	40.0	—	—	—
Assemblers	13.86	5.4	39.5	13.86	5.4	39.5	—	—	—
1	7.85	7.4	39.6	7.85	7.4	39.6	—	—	—
2	11.45	2.6	38.2	11.45	2.6	38.2	—	—	—
3	19.03	7.7	39.9	19.03	7.7	39.9	—	—	—
4	14.97	5.3	39.8	14.97	5.3	39.8	—	—	—
5	18.78	12.1	39.9	18.78	12.1	39.9	—	—	—
6	16.56	4.9	40.0	16.56	4.9	40.0	—	—	—
Not able to be leveled	13.36	7.7	39.1	13.36	7.7	39.1	—	—	—
Miscellaneous hand working, n.e.c.	12.11	8.8	38.7	12.11	8.8	38.7	—	—	—
1	7.43	11.7	36.2	7.43	11.7	36.2	—	—	—
2	11.57	4.0	39.9	11.57	4.0	39.9	—	—	—
3	15.13	13.2	40.0	15.13	13.2	40.0	—	—	—
4	16.12	13.7	40.0	16.12	13.7	40.0	—	—	—
Production inspectors, checkers and examiners	15.03	6.4	40.0	15.03	6.4	40.0	—	—	—
1	11.14	8.4	40.0	11.14	8.4	40.0	—	—	—
2	11.48	4.7	40.0	11.48	4.7	40.0	—	—	—
3	15.75	13.1	40.0	15.75	13.1	40.0	—	—	—
4	13.97	3.7	39.9	13.97	3.7	39.9	—	—	—
5	13.56	4.1	39.8	13.56	4.1	39.8	—	—	—
Production testers	14.07	5.4	39.8	14.07	5.4	39.8	—	—	—
4	13.88	3.6	40.0	13.88	3.6	40.0	—	—	—
5	13.16	9.3	40.0	13.16	9.3	40.0	—	—	—
Transportation and material moving	15.65	1.9	37.3	15.59	2.1	37.9	\$16.35	3.3	32.1
1	8.60	9.3	30.3	8.58	9.5	30.2	—	—	—
2	12.08	2.9	32.6	11.38	4.0	32.3	15.50	3.2	34.4
3	13.85	3.9	35.9	13.54	5.3	38.1	15.31	9.3	28.5
4	16.78	2.5	39.2	16.77	2.7	39.7	16.88	3.5	32.3
5	19.19	4.1	39.5	19.49	4.3	40.4	16.68	6.8	33.2
6	18.45	9.3	45.6	18.50	9.6	45.9	—	—	—
7	22.54	6.5	40.5	22.50	7.3	40.6	23.11	3.8	40.0
Supervisors, motor vehicle operators	20.01	10.4	44.0	19.76	11.4	44.4	22.46	3.4	40.0
7	22.86	5.1	41.5	22.94	6.0	41.8	22.46	3.4	40.0
Truck drivers	15.90	2.7	40.2	15.82	3.0	40.3	18.30	9.9	37.8
2	12.21	5.6	38.6	12.10	6.7	39.1	—	—	—
3	12.63	8.1	37.7	11.93	10.1	37.6	19.43	20.9	38.2

See footnotes at end of table.

TABLE 6. Occupations¹ and levels,² East North Central: Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ July 2002–Continued

Occupations and levels	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									
4	\$17.04	2.6	40.2	\$17.02	2.6	40.2	–	–	–
5	20.55	4.8	42.6	20.55	4.9	42.7	–	–	–
6	19.02	6.1	48.3	19.16	6.1	48.9	–	–	–
Driver-sales workers	11.01	15.7	30.7	11.01	15.7	30.7	–	–	–
1	5.51	2.5	25.3	5.51	2.5	25.3	–	–	–
4	20.76	11.4	40.0	20.76	11.4	40.0	–	–	–
Bus drivers	14.96	2.9	27.7	14.44	10.1	25.9	\$15.17	2.5	28.5
2	14.66	5.0	29.7	–	–	–	16.50	1.7	33.6
3	14.01	4.2	26.3	–	–	–	14.07	4.3	26.4
4	15.31	4.2	29.4	–	–	–	15.93	3.2	28.7
5	16.68	6.3	25.7	–	–	–	14.54	7.6	25.7
Taxicab drivers and chauffeurs	8.49	11.3	28.3	8.49	11.3	28.3	–	–	–
Motor transportation, n.e.c.	8.52	8.8	21.9	7.75	5.2	21.2	–	–	–
1	6.43	4.5	21.7	6.43	4.5	21.7	–	–	–
2	7.27	6.4	20.2	7.22	6.3	20.1	–	–	–
Supervisors, material moving equipment	20.19	4.7	41.4	20.19	4.7	41.4	–	–	–
7	19.37	3.5	41.7	19.37	3.5	41.7	–	–	–
Operating engineers	23.11	3.3	39.4	23.64	4.7	39.4	19.52	6.1	39.9
5	19.43	8.4	40.0	22.50	7.5	40.0	16.83	3.3	40.0
Crane and tower operators	15.00	5.4	40.0	15.00	5.4	40.0	–	–	–
4	13.86	6.0	40.0	13.86	6.0	40.0	–	–	–
Excavating and loading machine operators	17.92	19.1	40.0	17.88	20.2	40.0	–	–	–
5	19.44	3.7	40.0	–	–	–	–	–	–
Grader, dozer, and scrapper operators	18.00	21.1	40.0	20.55	25.4	40.0	–	–	–
Industrial truck and tractor equipment operators	14.85	3.0	39.3	14.85	3.1	39.3	–	–	–
2	12.39	3.5	39.1	12.39	3.5	39.1	–	–	–
3	14.87	4.1	39.0	14.87	4.1	39.0	–	–	–
4	17.14	4.9	39.4	17.16	4.9	39.3	–	–	–
5	14.88	3.9	40.0	14.85	4.6	40.0	–	–	–
Not able to be leveled	11.86	10.1	39.3	11.86	10.1	39.3	–	–	–
Miscellaneous material moving equipment operators, n.e.c.	15.43	3.1	36.1	15.06	4.0	35.8	18.83	10.5	40.0
2	12.00	9.4	32.0	12.00	9.4	32.0	–	–	–
3	16.63	9.9	40.0	16.63	9.9	40.0	–	–	–
4	15.08	4.2	40.0	15.26	4.3	40.0	–	–	–
5	19.25	2.7	40.0	19.57	2.8	40.0	–	–	–
Handlers, equipment cleaners, helpers, and laborers									
1	12.07	2.7	33.7	11.86	2.6	33.5	15.44	4.9	38.3
2	9.04	5.9	29.0	8.89	4.9	28.9	14.41	18.5	35.3
3	11.55	2.6	35.0	11.54	3.0	34.8	11.66	11.2	39.8
4	13.75	9.0	37.7	13.75	9.3	37.7	13.67	3.8	37.7
5	15.47	6.7	39.0	15.26	8.1	39.1	16.87	6.9	38.7
6	16.84	3.8	38.2	16.91	4.6	38.0	16.54	5.0	39.0
7	16.93	7.6	40.1	16.97	9.4	40.1	16.75	1.9	40.0
Not able to be leveled	21.77	4.4	38.8	22.53	7.2	38.1	20.54	3.3	40.0
Supervisors, agriculture-related workers	13.65	13.0	37.3	13.65	13.0	37.3	–	–	–
7	19.86	8.9	40.0	–	–	–	–	–	–
Groundskeepers and gardeners, except farm ...	21.94	7.5	40.0	–	–	–	–	–	–
1	12.77	6.8	34.4	11.10	9.8	32.5	14.52	5.9	36.6
2	9.45	8.2	26.9	8.71	2.9	26.4	11.27	17.9	28.2
3	12.21	4.7	39.2	10.58	8.5	39.1	12.99	2.5	39.3
4	11.11	5.4	36.4	10.79	4.1	37.1	11.74	13.2	35.2
5	12.06	5.4	36.0	–	–	–	–	–	–
Animal caretakers, except farm	16.80	7.1	39.0	–	–	–	16.51	9.4	38.5
Supervisors, handlers, equipment cleaners, and laborers, n.e.c.	12.02	18.9	31.1	7.97	1.1	27.4	–	–	–
4	17.00	8.5	38.9	16.33	8.7	38.7	–	–	–
4	12.09	3.7	39.4	12.09	3.7	39.4	–	–	–

See footnotes at end of table.

TABLE 6. Occupations¹ and levels,² East North Central: Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ July 2002—Continued

Occupations and levels	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
Blue collar—Continued									
Handlers, equipment cleaners, helpers, and laborers—Continued									
Supervisors, handlers, equipment cleaners, and laborers, n.e.c.—Continued									
5	\$14.63	6.3	34.3	\$13.92	4.1	34.0	—	—	—
7	20.76	4.8	38.0	20.25	9.2	36.0	—	—	—
Not able to be leveled	21.34	16.8	40.0	21.34	16.8	40.0	—	—	—
Helpers, mechanics and repairers	16.00	10.4	39.7	15.91	11.0	40.0	—	—	—
2	12.55	7.9	40.0	12.55	7.9	40.0	—	—	—
4	15.53	9.3	40.0	—	—	—	—	—	—
Helpers, construction trades	15.93	11.7	37.1	15.93	11.7	37.1	—	—	—
1	11.30	6.2	31.9	11.30	6.2	31.9	—	—	—
3	18.05	15.7	34.9	18.05	15.7	34.9	—	—	—
Construction laborers	18.64	7.3	37.7	18.70	7.7	37.6	\$16.84	9.2	37.9
1	14.39	17.1	31.1	14.45	17.4	31.0	—	—	—
3	16.79	12.9	34.0	17.02	15.9	33.4	—	—	—
4	18.13	4.8	40.0	18.13	4.8	40.0	—	—	—
5	20.72	9.8	37.6	20.74	10.6	37.5	—	—	—
Production helpers	11.40	4.1	37.5	11.39	4.1	37.5	—	—	—
1	9.56	10.2	36.9	9.56	10.2	36.9	—	—	—
2	11.73	11.4	34.4	11.73	11.4	34.4	—	—	—
3	11.50	8.5	40.0	11.47	8.5	40.0	—	—	—
4	13.97	9.7	40.0	13.97	9.7	40.0	—	—	—
Stock handlers and baggers	10.03	5.1	27.9	10.00	5.1	27.9	—	—	—
1	7.73	1.8	22.6	7.73	1.8	22.6	—	—	—
2	10.16	4.7	33.1	10.16	4.7	33.1	—	—	—
3	13.35	12.9	37.1	13.33	13.4	37.1	—	—	—
4	11.94	6.1	39.8	11.84	5.7	39.8	—	—	—
5	15.51	3.7	36.5	15.51	3.7	36.5	—	—	—
Machine feeders and offbearers	10.87	5.8	38.7	10.87	5.8	38.7	—	—	—
1	9.72	4.0	39.9	9.72	4.0	39.9	—	—	—
2	11.20	6.1	40.0	11.20	6.1	40.0	—	—	—
3	12.80	17.5	40.0	12.80	17.5	40.0	—	—	—
4	13.10	3.0	40.0	13.10	3.0	40.0	—	—	—
Freight, stock, and material handlers, n.e.c.	14.22	9.8	33.3	14.20	9.8	33.2	—	—	—
1	11.10	6.5	26.7	10.98	5.9	26.6	—	—	—
2	12.29	6.9	36.2	12.29	6.9	36.2	—	—	—
3	17.19	6.3	38.1	17.19	6.3	38.1	—	—	—
4	15.06	8.4	36.0	15.06	8.4	36.0	—	—	—
5	14.86	8.9	34.1	14.86	8.9	34.1	—	—	—
Garage and service station related	10.27	20.0	37.3	10.21	20.9	37.2	—	—	—
Vehicle washers and equipment cleaners	11.32	10.0	32.7	11.32	10.0	32.7	—	—	—
1	9.21	14.1	30.1	9.21	14.1	30.1	—	—	—
2	17.72	7.4	37.8	17.72	7.4	37.8	—	—	—
Hand packers and packagers	9.58	10.2	37.0	9.58	10.2	37.0	—	—	—
1	8.61	13.8	37.9	8.61	13.8	37.9	—	—	—
2	10.48	4.3	32.4	10.48	4.3	32.4	—	—	—
3	12.36	9.0	39.4	12.36	9.0	39.4	—	—	—
4	13.36	16.2	40.0	13.36	16.2	40.0	—	—	—
Laborers, except construction, n.e.c.	11.57	8.4	35.7	11.18	9.3	35.2	14.14	9.9	39.1
1	9.43	9.7	34.1	8.79	5.6	33.8	15.19	24.7	36.9
2	10.37	7.0	34.9	10.28	6.1	34.3	11.09	17.5	40.0
3	12.25	4.1	36.9	12.06	3.9	36.5	—	—	—
4	19.39	9.4	40.0	—	—	—	14.82	7.1	40.0
5	16.05	5.9	40.0	—	—	—	16.12	6.7	40.0
Not able to be leveled	9.29	7.4	37.8	9.29	7.4	37.8	—	—	—
Service	10.20	2.3	30.5	8.49	2.7	29.2	16.26	3.0	36.2
1	7.16	3.4	25.4	6.87	3.1	25.3	10.69	6.6	27.3
2	7.76	3.9	29.3	7.25	4.3	28.8	11.18	4.9	32.8

See footnotes at end of table.

TABLE 6. Occupations¹ and levels,² East North Central: Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ July 2002—Continued

Occupations and levels	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									
3	\$9.92	2.7	33.7	\$9.37	3.7	33.4	\$12.29	2.4	35.4
4	10.79	3.7	33.2	10.24	4.1	32.6	12.86	4.0	35.9
5	14.46	2.6	35.7	13.80	4.1	35.6	15.45	3.3	35.9
6	16.90	3.9	38.3	13.88	6.4	35.3	18.78	3.3	40.5
7	19.37	2.5	39.6	15.22	6.5	32.1	20.14	2.7	41.4
8	23.45	2.0	39.9	—	—	—	23.62	1.9	40.0
9	25.59	1.1	42.6	—	—	—	26.00	2.2	42.7
10	28.96	20.5	43.2	—	—	—	28.96	20.5	43.2
Not able to be leveled	9.17	5.3	30.3	9.15	5.4	30.3	—	—	—
Protective service	17.24	2.8	36.6	9.73	2.4	31.3	20.47	2.3	39.5
1	9.18	3.6	31.8	9.25	3.0	33.8	7.72	9.6	13.8
2	8.42	2.8	29.1	8.17	2.5	29.5	12.46	6.9	23.2
3	10.39	12.8	33.4	8.67	2.1	33.1	16.09	5.6	34.6
4	11.42	7.6	31.5	10.27	4.3	25.4	11.91	10.3	35.0
5	14.82	4.0	35.9	11.95	5.6	33.9	16.07	5.8	36.9
6	18.82	3.4	40.2	19.04	14.3	26.4	18.82	3.4	40.5
7	20.26	2.8	40.0	18.45	6.5	21.5	20.34	2.9	41.5
8	23.74	2.1	40.2	—	—	—	23.74	2.1	40.2
9	25.42	1.3	42.6	—	—	—	25.91	2.4	42.7
10	28.96	20.5	43.2	—	—	—	28.96	20.5	43.2
Not able to be leveled	14.62	8.6	31.6	14.39	8.1	31.4	—	—	—
Supervisors, firefighters and fire prevention	20.75	7.5	50.6	—	—	—	20.75	7.5	50.4
9	23.25	3.1	49.9	—	—	—	23.25	3.1	49.9
Supervisors, police and detectives	28.07	10.1	40.1	—	—	—	28.07	10.1	40.1
8	23.06	3.4	40.6	—	—	—	23.06	3.4	40.6
9	29.26	3.4	39.9	—	—	—	29.26	3.4	39.9
10	34.67	10.6	40.0	—	—	—	34.67	10.6	40.0
Supervisors, guards	17.04	19.3	37.3	13.68	10.9	37.0	—	—	—
7	24.08	7.9	38.7	—	—	—	—	—	—
Firefighting	18.89	2.8	46.2	—	—	—	19.23	2.7	46.0
5	14.31	12.3	44.4	—	—	—	16.72	4.5	40.3
6	18.28	2.2	44.3	—	—	—	18.28	2.2	44.3
7	19.89	5.5	47.3	—	—	—	19.89	5.5	47.3
Police and detectives, public service	23.09	1.1	38.8	—	—	—	23.09	1.1	38.8
5	16.55	3.7	23.6	—	—	—	16.55	3.7	23.6
6	21.78	3.7	37.8	—	—	—	21.78	3.7	37.8
7	21.53	2.3	39.3	—	—	—	21.53	2.3	39.3
8	24.24	2.2	39.7	—	—	—	24.24	2.2	39.7
9	26.26	4.5	40.2	—	—	—	26.26	4.5	40.2
Sheriffs, bailiffs, and other law enforcement officers	16.95	4.1	39.6	—	—	—	16.95	4.1	39.6
4	14.39	7.0	39.4	—	—	—	14.39	7.0	39.4
7	15.73	6.9	40.0	—	—	—	15.72	6.9	40.0
Correctional institution officers	17.02	4.9	38.4	—	—	—	17.02	4.9	38.4
4	12.00	3.9	33.8	—	—	—	12.00	3.9	33.8
5	16.34	5.9	39.4	—	—	—	16.34	5.9	39.4
6	19.65	2.6	38.3	—	—	—	19.65	2.6	38.3
7	17.50	4.4	40.0	—	—	—	17.50	4.4	40.0
Crossing guards	7.87	9.8	13.3	—	—	—	7.87	9.8	13.3
1	7.72	9.6	13.8	—	—	—	7.72	9.6	13.8
Guards and police, except public service	10.05	3.5	32.1	9.61	3.1	31.9	13.37	7.8	34.1
1	9.25	3.0	33.8	9.25	3.0	33.8	—	—	—
2	8.40	1.3	32.1	8.39	1.4	32.0	—	—	—
3	9.67	11.9	34.8	8.82	2.1	34.5	15.41	12.8	36.6
4	9.59	16.2	29.0	11.22	7.1	25.9	—	—	—
5	13.13	6.0	28.9	12.92	7.3	28.4	—	—	—
6	14.68	12.8	32.9	—	—	—	—	—	—
7	18.61	4.2	17.7	17.93	4.4	14.6	19.52	6.6	24.6
Not able to be leveled	14.36	8.3	31.2	14.36	8.3	31.2	—	—	—
Protective service, n.e.c.	10.24	14.4	25.6	7.17	3.3	22.4	13.63	5.7	30.4
2	7.91	10.3	22.4	7.28	3.2	22.6	—	—	—
3	10.29	18.4	23.5	6.52	4.6	21.4	14.58	6.4	26.3

See footnotes at end of table.

TABLE 6. Occupations¹ and levels,² East North Central: Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ July 2002—Continued

Occupations and levels	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									
Protective service, n.e.c.—Continued									
4	\$10.00	11.9	25.9	—	—	—	\$12.25	7.5	28.9
Food service	7.04	1.7	26.9	\$6.84	1.7	26.8	10.57	3.5	29.2
1	6.17	3.8	24.2	6.08	4.0	24.2	9.53	4.3	23.8
2	5.54	6.9	26.7	5.37	7.1	26.7	9.37	6.5	27.9
3	8.28	3.6	31.0	7.83	3.5	31.1	11.04	6.0	30.9
4	8.93	4.7	32.3	8.75	4.8	32.1	10.81	4.0	34.3
5	11.74	5.5	39.1	11.73	6.0	40.0	11.77	6.2	30.6
6	12.70	9.1	39.4	12.59	8.9	39.6	—	—	—
7	14.16	8.9	36.8	13.99	9.2	36.7	—	—	—
Not able to be leveled	9.20	18.8	23.9	9.20	18.8	23.9	—	—	—
Waiters, waitresses, and bartenders	4.14	2.8	24.8	4.14	2.8	24.8	—	—	—
1	4.24	10.9	23.9	4.24	10.9	23.9	—	—	—
2	3.12	7.7	26.4	3.12	7.7	26.4	—	—	—
3	4.90	7.6	26.7	4.90	7.6	26.7	—	—	—
Not able to be leveled	6.42	23.8	17.8	6.42	23.8	17.8	—	—	—
Bartenders	6.62	2.6	23.2	6.62	2.6	23.2	—	—	—
2	6.30	10.5	21.4	6.30	10.5	21.4	—	—	—
3	6.05	7.2	27.4	6.05	7.2	27.4	—	—	—
Waiters and waitresses	3.14	2.6	24.8	3.14	2.6	24.8	—	—	—
1	3.29	2.9	22.7	3.29	2.9	22.7	—	—	—
2	2.92	5.0	27.0	2.92	5.0	27.0	—	—	—
3	3.69	11.0	26.1	3.69	11.0	26.1	—	—	—
Waiters/Waitresses' assistants	6.08	13.7	27.0	6.08	13.7	27.0	—	—	—
1	6.51	11.6	27.5	6.51	11.6	27.5	—	—	—
Other food service	8.34	1.9	28.0	8.15	1.9	27.9	10.59	3.5	29.3
1	7.03	2.3	24.3	6.94	2.4	24.3	9.53	4.3	23.8
2	7.79	2.5	27.0	7.65	2.6	26.9	9.44	6.6	28.1
3	9.28	2.9	32.6	8.89	2.6	33.0	11.04	6.0	30.9
4	9.43	4.7	35.3	9.27	4.8	35.4	10.81	4.0	34.3
5	11.74	5.5	39.1	11.73	6.0	40.0	11.77	6.2	30.6
6	12.70	9.1	39.4	12.59	8.9	39.6	—	—	—
7	14.12	8.9	36.7	13.94	9.1	36.6	—	—	—
Not able to be leveled	11.08	14.8	31.0	11.08	14.8	31.0	—	—	—
Supervisors, food preparation and service	11.42	4.2	38.2	11.44	4.3	38.8	11.26	6.5	33.1
3	9.56	5.0	33.4	9.56	5.0	33.4	—	—	—
4	10.23	4.4	38.3	10.25	5.0	39.6	10.15	7.8	32.9
5	11.75	6.3	39.7	11.80	6.7	40.3	—	—	—
6	12.59	9.5	39.4	12.47	9.3	39.6	—	—	—
7	15.34	5.5	40.0	15.18	5.7	40.0	—	—	—
Cooks	9.12	3.0	32.2	8.77	2.4	32.1	11.20	4.9	32.8
1	7.65	9.6	26.4	6.88	6.4	24.6	—	—	—
2	8.74	4.4	30.1	8.66	4.7	30.3	10.77	7.0	25.1
3	9.59	4.0	35.1	9.06	3.5	35.9	11.23	6.9	32.7
4	8.66	5.8	32.8	8.38	4.8	32.4	11.90	8.2	37.2
5	11.69	11.0	37.3	11.48	11.9	39.1	—	—	—
Not able to be leveled	10.17	14.5	29.1	10.17	14.5	29.1	—	—	—
Food counter, fountain, and related	6.86	2.9	23.4	6.86	2.9	23.4	—	—	—
1	6.26	3.1	22.1	6.26	3.1	22.2	—	—	—
2	7.02	8.5	22.5	7.01	8.5	22.5	—	—	—
3	7.96	5.6	30.3	7.96	5.6	30.3	—	—	—
Kitchen workers, food preparation	7.64	3.9	26.0	7.57	4.2	25.6	8.70	4.9	34.3
1	7.46	5.5	23.7	7.46	5.5	23.7	—	—	—
2	7.31	3.6	31.3	7.06	5.7	30.7	—	—	—
3	8.89	5.7	26.1	8.77	6.0	25.8	—	—	—
Food preparation, n.e.c.	7.31	2.7	25.3	7.16	3.0	25.5	9.90	3.8	22.4
1	7.00	3.4	24.7	6.92	3.6	24.9	9.37	5.4	20.1
2	7.82	2.7	25.7	7.56	1.9	26.0	10.31	6.4	23.7
3	8.95	2.9	29.8	8.31	3.1	33.1	10.23	6.4	24.9
4	11.14	2.7	39.5	11.15	2.9	40.0	—	—	—
Health service	10.35	1.8	35.3	10.02	1.8	35.0	12.54	5.6	37.0

See footnotes at end of table.

TABLE 6. Occupations¹ and levels,² East North Central: Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ July 2002—Continued

Occupations and levels	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									
1	\$8.37	4.2	34.3	\$8.58	3.6	33.0	—	—	—
2	9.23	3.0	35.1	9.23	3.5	35.0	\$9.19	8.7	35.7
3	10.31	3.6	35.2	10.04	4.2	35.0	12.72	5.0	37.7
4	11.22	3.0	35.3	10.85	2.4	35.2	14.02	1.9	36.7
5	13.71	4.2	37.8	11.85	3.0	39.7	14.96	2.8	36.6
6	14.15	16.5	26.2	14.15	16.5	26.2	—	—	—
Not able to be leveled	8.99	12.1	35.5	8.99	12.1	35.5	—	—	—
Health aides, except nursing	11.18	2.9	34.0	10.55	2.9	34.1	14.34	2.4	33.6
1	9.57	11.7	30.9	9.57	11.7	30.9	—	—	—
2	9.18	2.6	32.0	8.89	3.3	32.5	—	—	—
3	10.54	6.8	31.3	9.80	5.2	31.2	15.16	2.6	31.6
4	11.05	4.0	38.0	11.01	4.1	38.3	—	—	—
5	13.44	4.0	37.3	12.02	3.7	39.7	14.49	1.9	35.8
Not able to be leveled	12.14	6.8	36.0	12.14	6.8	36.0	—	—	—
Nursing aides, orderlies and attendants	9.79	2.7	35.1	9.43	2.0	34.5	11.89	7.9	38.4
1	8.07	6.9	35.2	8.23	8.6	33.8	—	—	—
2	9.23	3.6	35.6	9.29	4.0	35.5	8.87	6.5	37.0
3	9.81	3.3	34.9	9.45	2.0	34.4	12.16	1.9	39.4
4	10.90	4.5	33.8	10.19	3.2	33.1	—	—	—
5	14.47	7.9	39.1	11.27	3.9	39.8	16.11	3.8	38.7
Not able to be leveled	8.17	8.9	35.3	8.17	8.9	35.3	—	—	—
Cleaning and building service	10.53	4.2	33.5	9.76	6.1	32.2	12.82	3.5	38.2
1	8.86	5.4	29.7	8.29	4.5	28.8	12.64	3.2	37.6
2	11.25	2.9	35.5	10.72	6.0	34.6	12.41	4.4	37.6
3	11.77	2.2	38.2	11.58	5.6	38.2	11.93	3.2	38.3
4	13.57	4.8	39.4	12.94	10.1	39.1	14.37	1.9	39.8
5	16.93	4.9	39.8	17.19	6.0	39.7	16.18	4.3	40.0
6	13.16	2.3	40.0	—	—	—	—	—	—
7	17.55	8.7	40.0	17.69	12.3	40.0	17.48	11.3	40.0
Not able to be leveled	8.67	7.7	33.3	8.67	7.7	33.3	—	—	—
Supervisors, cleaning and building service workers	14.66	4.8	39.9	14.17	5.2	40.0	15.91	10.5	39.6
3	11.26	7.5	39.4	—	—	—	—	—	—
7	16.80	9.2	40.0	—	—	—	17.48	11.3	40.0
Maids and housemen	7.94	4.0	32.3	7.93	4.0	32.3	—	—	—
1	8.21	5.9	33.5	8.21	5.9	33.5	—	—	—
2	8.14	4.2	34.2	8.12	4.3	34.3	—	—	—
Not able to be leveled	7.50	6.1	30.4	7.50	6.1	30.4	—	—	—
Janitors and cleaners	10.78	4.5	33.4	9.98	7.6	31.7	12.60	3.4	38.1
1	9.04	6.0	28.8	8.32	5.6	27.5	12.65	3.2	37.6
2	11.53	3.1	35.6	11.07	6.6	34.6	12.42	4.4	37.7
3	11.83	2.2	38.2	11.72	5.2	38.3	11.93	3.4	38.1
4	13.59	5.3	39.4	13.00	10.7	39.0	14.28	1.9	39.8
5	16.30	5.3	39.1	16.36	8.6	38.4	16.23	4.7	40.0
Not able to be leveled	9.29	5.2	36.5	9.29	5.2	36.5	—	—	—
Personal service	10.28	4.7	25.5	9.94	5.2	25.4	11.62	7.5	25.8
1	7.54	8.8	19.8	6.82	5.1	19.5	9.36	16.1	20.5
2	7.91	4.3	23.8	7.29	4.2	23.5	10.31	5.1	24.8
3	9.36	3.2	30.3	9.25	3.5	30.6	10.43	5.2	27.3
4	12.39	6.6	29.3	12.07	6.9	28.1	13.34	10.9	33.8
5	17.18	6.9	28.0	17.92	11.4	27.6	14.37	8.4	29.4
7	19.46	11.1	35.3	—	—	—	—	—	—
Not able to be leveled	9.77	12.7	23.5	9.77	13.6	23.1	—	—	—
Supervisors, personal service	13.15	19.4	39.7	11.26	17.1	39.7	—	—	—
Hairdressers and cosmetologists	13.78	13.1	26.6	13.78	13.1	26.6	—	—	—
Attendants, amusement, and recreation facilities	6.67	3.4	22.1	6.53	3.3	22.2	7.46	6.0	21.7
1	—	—	—	—	—	—	6.71	5.5	18.6
2	6.26	6.9	26.8	6.01	5.0	26.4	—	—	—
3	8.43	4.3	19.8	—	—	—	—	—	—
Guides	8.22	5.8	24.8	—	—	—	—	—	—

See footnotes at end of table.

TABLE 6. Occupations¹ and levels,² East North Central: Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ July 2002–Continued

Occupations and levels	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									
Public transportation attendants	\$33.19	5.9	17.3	\$36.06	5.0	17.4	–	–	–
Baggage porters and bellhops	8.97	26.5	36.2	8.97	26.5	36.2	–	–	–
Welfare service aides	8.89	7.8	28.0	8.79	7.7	27.3	\$9.78	28.8	36.6
2	7.59	2.1	23.3	7.59	2.1	23.3	–	–	–
3	8.71	5.1	29.2	8.71	5.1	29.2	–	–	–
4	10.66	3.5	28.4	10.39	2.9	27.8	–	–	–
Early childhood teachers' assistants	8.72	5.6	25.8	7.63	6.9	24.7	10.87	5.4	28.3
1	8.07	4.9	13.6	7.64	6.5	13.9	–	–	–
2	8.16	10.8	27.5	6.44	6.7	25.4	10.83	10.6	31.7
3	9.13	4.6	32.0	8.60	6.3	31.1	–	–	–
4	8.81	9.5	22.9	–	–	–	–	–	–
Child care workers, n.e.c.	10.96	8.4	25.3	9.60	10.0	27.9	12.73	9.2	22.5
1	7.15	3.9	15.0	6.36	3.4	17.9	7.90	2.7	13.1
2	9.92	6.6	21.7	9.36	11.4	21.1	10.35	5.3	22.1
3	9.30	3.7	31.9	9.19	3.8	33.4	–	–	–
4	15.71	13.6	38.3	–	–	–	17.40	7.2	37.7
5	11.29	10.6	35.8	–	–	–	13.38	11.8	34.4
Service, n.e.c.	10.25	4.4	25.5	9.69	3.4	25.0	12.46	7.2	27.9
1	9.99	14.6	20.8	8.00	7.1	18.5	13.60	6.0	26.5
2	8.42	17.0	18.0	8.48	18.2	18.7	–	–	–
3	10.69	6.9	31.6	10.67	7.1	31.8	–	–	–
4	10.79	8.7	33.5	10.24	10.3	32.5	11.90	9.3	35.7
5	11.76	6.0	28.1	–	–	–	–	–	–

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

² Each occupation for which data are collected in an establishment is evaluated based on 10 factors, including knowledge, complexity, work environment, and so forth. 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 the Technical Note 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 In this census division, data were collected between December 2001 and January 2003. The average reference period was July 2002.

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 Technical Note.

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.

Technical Note

The data in this bulletin are based on the National Compensation Survey (NCS) conducted by the Bureau of Labor Statistics (BLS) throughout the year. The surveys are locality-based and cover establishments in private industry and State and local governments. Bulletins are issued for individual localities when sufficient data meet publication standards. Agriculture, private households, and the Federal Government are excluded from the scope of the survey.

Survey scope. In the East North Central Census Division, the NCS studied 4,278 establishments representing approximately 14,497,500 workers within the scope of the survey. Beginning with the 1999 NCS, private sector establishments with one or more workers are included in the survey. State and local governments with 50 or more workers also are included. The number of workers represented by the survey is shown in table A, and the number of establishments is shown in table B. For purposes of this survey, an establishment is an economic unit that produces goods or services, a central administrative office, or an auxiliary unit providing support services to a company. For private industries in this survey, the establishment is usually at a single physical location. For State and local governments, an establishment is defined as all locations of a government entity.

Sampling frame. The list of establishments from which the survey sample was selected (sampling frame) was developed from the State unemployment insurance reports. The reference month for the public sector is June 1994. Due to the volatility of industries within the private sector, sampling frames were developed using the most recent month of reference available at the time the sample was selected. The reference month for the private sector varied by area.

Sample design and data collection. The sample for this survey was selected using a three-stage design. The first stage consisted of the selection of areas. The nationwide NCS sample consists of 154 metropolitan and nonmetropolitan areas that represent the Nation's 326 metropolitan statistical areas and the remaining portions of the 50 States. Metropolitan areas are designated Metropolitan Statistical Areas (MSA) or Consolidated Metropolitan Statistical Areas (CMSA), as defined in 1994 by the Office of Management and Budget. Nonmetropolitan areas are counties that do not fit the metropolitan area definition.

The NCS locality areas that contribute to the East North Central Census Division are:

Bloomington-Normal, IL, MSA
Bloomington, IN, MSA

Chicago-Gary-Kenosha, IL-IN-WI, CMSA
Cincinnati-Hamilton, OH-KY-IN, CMSA
Cleveland-Akron, OH, CMSA
Columbus, OH, MSA
Dayton-Springfield, OH, MSA
Delta County, MI
Detroit-Ann Arbor-Flint, MI, CMSA
Elkhart-Goshen, IN, MSA
Fond du Lac County, WI
Grand Rapids-Muskegon-Holland, MI, MSA
Green Lake County, WI
Henderson County, IL
Indianapolis, IN, MSA
Jefferson County, IN
Juneau County, WI
Kalamazoo-Battle Creek, MI, MSA
Marshall County, IN
Milwaukee-Racine, WI, CMSA
Monroe County, OH
Morgan County, IL
Rockford, IL, MSA
Sauk County, WI
Seneca County, OH
Wayne County, OH
Youngstown-Warren, OH, MSA

In the second stage, the sample of establishments was drawn by first stratifying the sampling frame by ownership and industry. 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 the establishment's chance of selection. Weights were applied to each establishment when the data were tabulated so that the establishment represents similar units (by industry and employment size) in the economy that were not selected for data collection.

The third stage of sample selection was a probability sample of occupations within a sampled establishment. In the East North Central region, data were collected between December 2001 and January 2003 with an average reference period of July 2002.

Occupational selection and classification. Identification of the occupations for which wage data were collected was a four-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 vs. part-time, union vs. nonunion, and time vs. 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 second step of the process entailed classifying the selected jobs into occupations based on their duties. The NCS occupational classification system is based on the 1990 Census of Population. A selected job may fall into any one of about 480 occupational classifications, from accountant to wood lathe operator. For cases in which a job's duties overlapped two or more census classification codes, duties used to set the wage level were used to classify the job. Classification by primary duties was the fallback.

In step three, certain other job characteristics of the chosen workers 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 or a nonunion job.

The fourth step in the job classification procedure was to determine the work level of each of the establishment's selected jobs, using an *occupational leveling* process. This process, involving discussions between the BLS field economist and respondent, ranks and compares all selected establishment occupations using 10 leveling factors. For more information on occupational leveling and an example of how to use the criteria for leveling a job, see appendixes C and D of any published NCS locality bulletin or visit <http://www.bls.gov/ncs/ocs/compub.htm> on the World Wide Web. The Web site also has a link to the NCS job descriptions.

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. Tables in this bulletin provide RSE data for indicated series.

The relative standard error can be used to calculate a *confidence interval* around a sample estimate. As an example, suppose the mean hourly earnings for all workers were \$17.18 per hour with a relative standard error of 0.8 percent for this estimate. At the 90-percent level, the confidence interval for this estimate is \$16.90 to \$17.46 ($\$17.18 \times 1.645 \times 0.008 = \0.2828 , round to \$0.28); ($\$17.18 - .28 = \16.90 ; $\$17.18 + .28 = \17.46). 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. These errors 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. Although such errors were not specifically measured, efforts were made to minimize nonsampling errors by the extensive training of field economists who gathered survey data by personal visit, computer editing of the data, and detailed data review.

Census area divisions. Data are tabulated by census divisions defined as follows: **New England**—Connecticut, Massachusetts, New Hampshire, Maine, Vermont, and Rhode Island; **Middle Atlantic**—New Jersey, New York, and Pennsylvania; **East North Central**—Illinois, Indiana, Michigan, Ohio, and Wisconsin; **West North Central**—Iowa, Kansas, Minnesota, Missouri, North Dakota, South Dakota, and Nebraska; **South Atlantic**—Delaware, District of Columbia, Florida, Georgia, Maryland, North Carolina, South Carolina, Virginia, and West Virginia; **East South Central**—Alabama, Kentucky, Mississippi, and Tennessee; **West South Central**—Arkansas, Louisiana, Oklahoma, and Texas; **Mountain**—Montana, Idaho, Wyoming, Colorado, New Mexico, Arizona, Utah, and Nevada; and **Pacific**—Washington, Oregon, California, Hawaii, and Alaska. Some census divisions include CMSAs and MSAs that cross State lines. In the East North Central Census Division, the Cincinnati CMSA includes parts of Ohio, Kentucky, and Indiana.

TABLE A. Number of workers¹ represented by the survey, by occupational group,² East North Central, National Compensation Survey,³ July 2002

Occupational group	All industries	Private industry	State and local government
All	14,497,500	12,367,700	2,129,800
All, excluding sales	13,256,900	11,131,100	2,125,800
White collar	7,084,900	5,676,700	1,408,200
White collar, excluding sales	5,844,300	4,440,100	1,404,200
Professional specialty and technical	2,509,000	1,633,800	875,200
Professional specialty occupations	1,964,800	1,134,000	830,800
Technical occupations	544,300	499,800	44,400
Executive, administrative, and managerial	1,037,200	884,700	152,500
Sales	1,240,600	1,236,600	4,000
Administrative support, including clerical	2,298,100	1,921,600	376,500
Blue collar	4,847,900	4,627,800	220,100
Precision production, craft, and repair	1,301,800	1,222,900	78,900
Machine operators, assemblers, and inspectors	1,791,800	1,789,300	2,500
Transportation and material moving	711,200	626,900	84,400
Handlers, equipment cleaners, helpers, and laborers	1,043,100	988,700	54,400
Service	2,564,700	2,063,200	501,500

¹ Number of workers represented by the survey are rounded to the nearest 100. Estimates of the number of workers provide a description of size and composition of the labor force included in the survey. Estimates are not intended, however, for comparison 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 Technical Note.

³ In this census division, data were collected between December 2001 and January 2003. The average reference period was July 2002.

TABLE B. Number of establishments studied by industry group and establishment employment size, East North Central, National Compensation Survey,¹ July 2002

Industry division	Number of establishments studied						
	Total	1 to 99 workers ²	100 to 499 workers	500 to 999 workers	1,000 to 2,499 workers	2,500 to 4,999 workers	5,000 or more workers
All	4,278	1,504	1,529	432	446	214	153
Private Industry	3,749	1,464	1,291	318	370	188	118
Goods-producing industries	1,291	396	508	128	132	87	40
Mining	25	19	6	—	—	—	—
Construction	135	95	35	5	—	—	—
Manufacturing	1,131	282	467	123	132	87	40
Durable goods	827	194	331	87	105	77	33
Nondurable goods	304	88	136	36	27	10	7
Service-producing industries	2,458	1,068	783	190	238	101	78
Transportation and utilities	227	91	63	28	26	11	8
Wholesale trade	146	78	54	9	3	2	—
Retail trade	568	343	180	19	22	2	2
Finance, insurance and real estate	270	119	51	24	34	13	29
Services	1,247	437	435	110	153	73	39
State and local government	529	40	238	114	76	26	35

¹ In this census division, collection was conducted between December 2001 and January 2003. The average reference period was July 2002.

² Estimates include private establishments employing 1 to 99 workers and State and local government establishments employing 50 to 99 workers.

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