

National Compensation Survey: Occupational Wages in the East North Central Census Division, 1999



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Preface

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

The NCS replaced the Occupational Compensation Survey (OCS) with the release of the 1997 data. 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 more fully represent the employment patterns and occupational mix of each locality.

This bulletin presents aggregate pay data from the metropolitan and nonmetropolitan local area surveys conducted in the East North Central census division. (See the technical note.) It provides estimates of occupational pay for the census division, as well as selected data on worker and establishment characteristics.

NCS bulletins are published for each of the nine census divisions: New England, Middle Atlantic, East North Cen-

tral, West North Central, South Atlantic, East South Central, West South Central, Mountain, and Pacific. (See the technical note.) Data also are published for some individual localities, as well as for the entire United States. The census division publications may be useful to NCS data users in localities for which separate data were not published.

For additional information regarding the National Compensation Survey, contact the information staff in the BLS National Office at (202) 691-6199. You can 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.

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

The data presented in this bulletin also are displayed in a Portable Document Format (PDF) on the BLS Internet site (<http://stats.bls.gov/comhome.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: 1-800-326-2577.

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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 1999

Worker and establishment characteristics, and geographic areas	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error (percent)		Mean	Relative error (percent)		Mean	Relative error (percent)	
Total	\$15.55	1.8	35.6	\$14.82	2.0	35.5	\$20.32	2.1	36.0
Worker characteristics:³									
White-collar occupations ⁴	18.66	2.1	35.6	17.64	2.6	35.6	23.30	2.1	35.8
Professional specialty and technical ...	24.05	1.8	35.5	22.24	2.6	35.8	27.95	2.1	35.0
Executive, administrative, and managerial	26.88	2.9	39.0	26.65	2.5	39.2	28.23	6.6	38.0
Sales	14.03	8.2	32.8	14.03	8.2	32.8	14.38	8.4	29.3
Administrative support	12.10	1.2	35.9	12.04	1.3	35.8	12.40	2.0	36.6
Blue-collar occupations ⁴	14.15	2.1	38.0	14.07	2.2	38.1	16.03	1.9	36.8
Precision production, craft, and repair	18.16	2.9	39.8	18.17	3.1	39.8	17.98	2.8	39.6
Machine operators, assemblers, and inspectors	12.86	2.6	39.7	12.86	2.6	39.7	12.36	11.0	39.8
Transportation and material moving ...	13.67	4.8	36.4	13.54	5.3	36.9	14.97	2.7	32.0
Handlers, equipment cleaners, helpers, and laborers	10.85	2.7	34.0	10.70	2.9	33.8	13.83	4.3	38.1
Service occupations ⁴	9.23	2.1	30.4	7.84	1.6	29.3	14.47	2.8	35.9
Full time	16.40	1.9	39.7	15.69	2.1	39.9	20.79	2.2	38.5
Part time	8.74	2.2	19.5	8.42	2.3	19.7	12.95	3.1	17.6
Union	17.99	2.1	36.9	16.79	3.0	36.9	20.49	2.6	37.0
Nonunion	14.79	2.5	35.2	14.38	2.4	35.2	20.09	6.3	34.6
Time	15.25	1.5	35.3	14.43	1.6	35.2	20.32	2.1	36.0
Incentive	20.41	10.4	39.6	20.41	10.4	39.6	-	-	-
Establishment characteristics:									
Goods producing	(⁵)	(⁵)	(⁵)	16.52	2.5	39.5	(⁵)	(⁵)	(⁵)
Service producing	(⁵)	(⁵)	(⁵)	13.80	3.2	33.5	(⁵)	(⁵)	(⁵)
1 to 99 workers ⁶	12.90	2.5	34.3	12.86	2.6	34.3	15.34	9.4	34.9
100 to 499 workers	15.16	4.2	36.1	14.63	5.0	36.3	19.40	3.0	34.7
500 to 999 workers	17.57	2.5	36.3	16.78	3.0	36.7	20.02	3.7	35.1
1000 to 2499 workers	18.27	3.4	36.1	17.64	3.6	36.6	21.18	4.6	34.1
2500 workers or more	21.74	3.3	37.8	22.15	3.2	37.7	21.24	3.7	37.8
Geographic areas:⁷									
Metropolitan	15.75	1.9	35.4	15.02	2.1	35.4	21.07	2.0	35.9
Nonmetropolitan	13.83	3.7	36.7	12.89	4.7	36.8	16.96	5.3	36.3
New England	17.18	4.2	34.6	16.54	5.2	34.5	21.82	2.2	35.4
Middle Atlantic	17.84	3.7	34.8	17.05	4.5	34.7	22.45	1.6	35.5
East North Central	15.55	1.8	35.6	14.82	2.0	35.5	20.32	2.1	36.0
West North Central	14.37	2.8	35.3	13.84	3.2	35.1	18.11	2.2	36.9
South Atlantic	14.49	2.9	36.3	14.04	3.5	36.0	16.84	1.5	38.0
East South Central	12.13	5.0	37.6	11.76	5.5	37.6	16.23	2.7	37.0
West South Central	14.38	3.5	36.8	13.98	4.0	36.6	16.38	2.0	38.0
Mountain	14.10	2.9	35.7	13.26	3.2	35.5	19.00	3.5	36.9
Pacific	16.87	1.7	35.3	16.01	2.0	35.3	22.13	1.2	35.6

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

² In this census division, collection was conducted between November 1998 and April 2000. The average reference period was October 1999. For the first time, estimates include workers in private establishments employing fewer than 50 workers.

³ 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.

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

⁵ Classification of establishments into goods-producing and service-producing industries applies to private industry only.

⁶ Estimates include private establishments employing 1 to 99 workers and State and local government establishments employing 50 to 99 workers.

⁷ Data are presented for metropolitan and nonmetropolitan area divisions as well as nine census divisions. See Technical Note for a list of survey areas in each census division and the States comprising 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 1999

Worker and establishment characteristics, and geographic areas	Total			Metropolitan areas			Nonmetropolitan areas		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error (percent)		Mean	Relative error (percent)		Mean	Relative error (percent)	
Total	\$15.55	1.8	35.6	\$15.75	1.9	35.4	\$13.83	3.7	36.7
Private Industry	14.82	2.0	35.5	15.02	2.1	35.4	12.89	4.7	36.8
State and local government	20.32	2.1	36.0	21.07	2.0	35.9	16.96	5.3	36.3
Worker characteristics:⁴									
White-collar occupations ⁵	18.66	2.1	35.6	18.75	2.2	35.6	17.57	4.5	35.7
Professional specialty and technical ...	24.05	1.8	35.5	24.13	2.0	35.5	23.26	5.7	35.8
Executive, administrative, and managerial	26.88	2.9	39.0	26.93	3.0	39.1	25.97	5.4	38.2
Sales	14.03	8.2	32.8	14.23	8.4	33.0	9.17	8.7	28.2
Administrative support	12.10	1.2	35.9	12.18	1.3	35.8	11.18	4.5	37.4
Blue-collar occupations ⁵	14.15	2.1	38.0	14.39	2.2	37.9	12.69	5.0	39.1
Precision production, craft, and repair Machine operators, assemblers, and inspectors	18.16	2.9	39.8	18.48	2.8	39.7	15.25	9.1	40.0
Transportation and material moving ...	12.86	2.6	39.7	13.07	2.6	39.6	12.03	6.3	39.9
Handlers, equipment cleaners, helpers, and laborers	13.67	4.8	36.4	13.73	5.4	36.2	13.19	4.9	37.4
Service occupations ⁵	10.85	2.7	34.0	10.81	3.0	33.8	11.21	6.5	36.2
Full time	9.23	2.1	30.4	9.21	2.4	30.2	9.46	1.5	32.4
Part time	16.40	1.9	39.7	16.67	1.9	39.7	14.20	4.1	39.4
Union	8.74	2.2	19.5	8.66	1.9	19.4	9.59	11.2	20.8
Nonunion	17.99	2.1	36.9	18.34	1.8	36.7	16.11	4.5	38.2
Time	14.79	2.5	35.2	15.01	2.6	35.1	12.63	6.0	36.0
Incentive	15.25	1.5	35.3	15.42	1.6	35.2	13.88	3.8	36.7
	20.41	10.4	39.6	20.79	10.4	39.7	11.13	2.4	39.1
Establishment characteristics:									
Goods producing ⁶	16.52	2.5	39.5	17.18	2.3	39.4	13.29	7.0	40.0
Service producing ⁶	13.80	3.2	33.5	13.89	3.3	33.6	12.04	7.3	31.5
1 to 99 workers ⁷	12.90	2.5	34.3	12.94	2.7	34.2	12.23	4.5	36.4
100 to 499 workers	15.16	4.2	36.1	15.72	4.7	36.2	12.78	4.2	36.0
500 to 999 workers	17.57	2.5	36.3	17.60	2.2	36.1	17.44	10.1	37.3
1000 to 2499 workers	18.27	3.4	36.1	18.65	2.5	35.5	-	-	-
2500 workers or more	21.74	3.3	37.8	21.74	3.3	37.8	-	-	-
Geographic areas:⁸									
New England	17.18	4.2	34.6	17.35	4.4	34.6	15.21	6.9	34.8
Middle Atlantic	17.84	3.7	34.8	17.93	3.8	34.8	14.93	3.6	35.6
East North Central	15.55	1.8	35.6	15.75	1.9	35.4	13.83	3.7	36.7
West North Central	14.37	2.8	35.3	14.73	3.0	35.1	12.70	5.8	36.5
South Atlantic	14.49	2.9	36.3	14.71	3.0	36.2	12.60	6.3	37.4
East South Central	12.13	5.0	37.6	12.87	1.5	37.4	9.72	9.6	38.1
West South Central	14.38	3.5	36.8	14.42	3.7	36.8	13.90	5.1	37.3
Mountain	14.10	2.9	35.7	13.94	3.2	35.6	15.78	2.4	36.2
Pacific	16.87	1.7	35.3	16.92	1.8	35.3	15.45	4.7	36.8

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

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

³ In this census division, collection was conducted between November 1998 and April 2000. The average reference period was October 1999. For the first time, estimates include workers in private establishments employing fewer than 50 workers.

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.

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⁸ See Technical Note for a list of survey areas in each census division and the States comprising 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 1999

Occupation ⁴	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
All	\$15.55	1.8	35.6	\$16.40	1.9	39.7	\$8.74	2.2	19.5
All, excluding sales	15.69	1.6	35.8	16.40	1.7	39.6	9.19	2.3	19.3
White collar	18.66	2.1	35.6	19.65	2.0	39.6	10.70	3.7	19.7
White collar, excluding sales	19.67	1.7	36.3	20.21	1.8	39.4	13.43	3.3	19.0
Professional specialty and technical	24.05	1.8	35.5	24.57	1.8	38.9	18.63	4.7	18.8
Professional specialty	25.71	2.0	35.5	26.31	1.9	38.7	19.53	5.9	19.1
Engineers, architects, and surveyors	28.22	5.4	40.5	28.22	5.4	40.5	-	-	-
Architects	20.72	4.2	39.1	20.72	4.2	39.1	-	-	-
Metallurgical and materials engineers	30.20	7.9	40.6	30.20	7.9	40.6	-	-	-
Civil engineers	20.86	11.9	39.7	20.86	11.9	39.7	-	-	-
Electrical and electronic engineers	34.28	8.8	42.7	34.28	8.8	42.7	-	-	-
Industrial engineers	24.52	8.0	40.3	24.52	8.0	40.3	-	-	-
Mechanical engineers	25.57	7.1	40.2	25.57	7.1	40.2	-	-	-
Engineers, n.e.c.	30.25	1.8	40.0	30.25	1.8	40.0	-	-	-
Mathematical and computer scientists	27.00	4.5	39.6	27.00	4.5	39.7	-	-	-
Computer systems analysts and scientists	26.44	5.2	39.7	26.43	5.2	39.8	-	-	-
Operations and systems researchers and analysts	28.75	4.4	39.4	28.78	4.4	39.5	-	-	-
Actuaries	35.26	10.1	37.7	35.26	10.1	37.7	-	-	-
Natural scientists	23.05	6.6	39.3	23.11	6.7	39.8	-	-	-
Chemists, except biochemists	28.81	6.9	40.0	28.81	6.9	40.0	-	-	-
Physical scientists, n.e.c.	25.05	7.5	39.3	25.16	7.7	40.0	-	-	-
Biological and life scientists	23.85	5.1	39.1	24.13	5.0	40.0	-	-	-
Medical scientists	14.32	13.9	37.9	14.23	14.1	39.0	-	-	-
Health related	23.22	3.9	32.9	23.30	4.3	39.5	22.96	4.6	20.5
Physicians	44.09	11.9	39.8	40.90	12.0	42.2	85.87	21.0	22.7
Registered nurses	20.48	1.5	32.1	20.50	1.7	39.1	20.41	2.2	20.8
Pharmacists	28.93	3.5	32.2	28.57	3.7	40.0	30.53	5.7	17.4
Dietitians	17.23	2.6	29.9	16.59	4.2	39.9	18.58	3.5	19.5
Respiratory therapists	17.17	2.0	33.6	17.07	2.5	39.6	17.50	3.3	22.6
Occupational therapists	23.15	6.7	26.7	24.24	8.6	38.9	21.23	7.2	17.2
Physical therapists	24.82	3.4	36.8	24.27	4.1	39.9	31.26	5.3	19.2
Speech therapists	25.65	8.3	32.8	26.33	10.9	38.8	23.45	2.7	21.9
Therapists, n.e.c.	17.11	6.1	34.5	17.26	6.4	38.1	14.07	5.4	12.1
Physicians' assistants	28.15	13.4	36.6	-	-	-	-	-	-
Teachers, college and university	37.04	4.1	34.7	37.68	4.1	39.1	27.91	12.2	13.3
Biological science teachers	32.09	6.8	33.8	32.57	6.6	37.7	-	-	-
Chemistry teachers	35.67	6.4	33.7	36.43	5.2	38.3	-	-	-
History teachers	29.33	16.5	44.4	29.33	16.5	44.4	-	-	-
Social science teachers, n.e.c.	37.00	2.4	40.3	37.00	2.4	40.3	-	-	-
Engineering teachers	53.74	19.6	38.7	53.83	19.6	40.1	-	-	-
Mathematical science teachers	42.74	3.6	35.5	43.25	2.7	38.5	-	-	-
Computer science teachers	33.97	21.2	29.0	-	-	-	-	-	-
Medical science teachers	52.10	8.8	51.5	50.33	11.9	50.3	-	-	-
Health specialties teachers	33.13	10.6	38.3	33.21	10.8	40.5	28.22	10.4	9.3
Business, commerce, and marketing teachers ..	37.62	12.3	23.4	39.19	14.4	38.4	30.47	8.9	8.4
Art, drama, and music teachers	28.18	12.6	35.4	28.20	13.4	38.8	-	-	-
Physical education teachers	33.07	4.4	27.1	-	-	-	-	-	-
Education teachers	41.60	4.3	37.0	41.61	4.3	37.1	-	-	-
English teachers	38.68	19.8	37.6	38.90	19.9	39.0	-	-	-
Foreign language teachers	28.65	8.2	26.7	29.82	8.9	35.4	-	-	-
Theology teachers	28.41	14.0	39.7	28.42	14.0	40.6	-	-	-
Other post-secondary teachers	30.98	8.5	27.7	32.94	10.2	37.0	24.74	6.5	15.4
Teachers, except college and university	26.90	4.2	33.5	27.94	3.9	36.1	14.99	11.3	18.2
Prekindergarten and kindergarten	12.53	11.8	35.7	13.31	15.1	39.1	-	-	-
Elementary school teachers	29.81	2.7	35.0	29.94	2.7	35.5	24.38	12.2	21.2
Secondary school teachers	30.74	3.0	35.9	30.76	3.0	36.3	28.71	16.0	16.9
Teachers, special education	27.79	5.6	35.8	27.91	5.7	36.5	-	-	-
Teachers, n.e.c.	28.94	6.7	28.7	30.54	6.8	35.0	17.86	8.5	12.8
Substitute teachers	12.12	7.1	15.0	-	-	-	11.29	5.0	13.9
Vocational and educational counselors	22.40	9.1	35.9	22.76	10.3	38.2	-	-	-
Librarians, archivists, and curators	20.31	6.3	34.9	20.50	6.3	38.4	17.57	10.7	15.1
Librarians	20.19	3.9	35.2	20.39	4.1	39.0	17.52	12.3	15.5

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 1999—Continued

Occupation ⁴	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar —Continued									
Professional specialty and technical —Continued									
Professional specialty—Continued									
Librarians, archivists, and curators—Continued									
Archivists and curators	\$20.75	24.6	33.6	\$20.90	25.9	36.5	—	—	—
Social scientists and urban planners	22.55	12.1	35.5	22.36	12.5	39.1	\$28.39	9.5	9.4
Economists	23.99	13.3	40.0	23.99	13.3	40.0	—	—	—
Psychologists	25.59	11.6	36.4	25.34	12.3	38.5	29.89	8.5	18.5
Social scientists, n.e.c.	13.41	28.0	36.1	13.36	28.0	39.6	—	—	—
Urban planners	19.60	6.7	19.1	19.92	6.9	39.7	—	—	—
Social, recreation, and religious workers	15.45	4.0	36.1	15.56	4.4	38.8	—	—	—
Social workers	15.73	4.3	36.5	15.82	4.7	38.8	—	—	—
Recreation workers	12.30	9.0	31.5	12.66	9.9	39.2	9.34	18.5	12.0
Clergy	13.96	15.7	37.9	14.06	16.4	39.7	—	—	—
Lawyers and judges	42.30	12.1	38.0	42.81	12.0	39.3	—	—	—
Lawyers	42.68	12.2	38.3	43.18	12.2	39.3	—	—	—
Writers, authors, entertainers, athletes, and professionals, n.e.c.	20.36	7.2	34.5	21.48	6.4	39.4	—	—	—
Technical writers	18.79	9.8	39.6	18.79	9.8	39.6	—	—	—
Designers	22.85	12.0	39.3	22.88	12.0	39.4	—	—	—
Actors and directors	22.73	15.4	38.3	25.02	11.8	40.0	—	—	—
Painters, sculptors, craft artists, and artist printmakers	15.81	14.3	39.4	15.81	14.3	39.4	—	—	—
Photographers	18.42	12.9	37.0	17.69	11.9	39.8	—	—	—
Editors and reporters	19.61	19.4	38.7	19.58	19.4	39.4	—	—	—
Public relations specialists	22.50	19.4	31.8	23.33	20.7	40.1	—	—	—
Athletes	31.14	10.4	35.1	31.62	9.6	39.9	10.75	9.6	5.8
Professional, n.e.c.	23.70	7.8	39.2	23.86	7.8	39.8	—	—	—
Technical	18.15	2.3	35.6	18.41	2.6	39.4	15.47	4.8	17.8
Clinical laboratory technologists and technicians	15.92	4.6	36.8	15.77	4.8	39.7	17.52	7.1	20.4
Health record technologists and technicians	13.91	5.8	34.3	14.20	6.1	38.9	—	—	—
Radiological technicians	17.30	2.6	32.3	17.59	3.1	39.6	16.29	4.4	19.7
Licensed practical nurses	13.55	2.4	34.4	13.40	2.7	39.2	14.39	1.8	20.4
Health technologists and technicians, n.e.c.	13.34	3.1	28.9	13.65	3.1	39.8	11.72	8.2	12.0
Electrical and electronic technicians	21.21	2.4	39.4	21.31	2.3	40.0	—	—	—
Industrial engineering technicians	17.38	6.2	40.6	17.38	6.2	40.6	—	—	—
Mechanical engineering technicians	24.18	7.0	40.3	24.18	7.0	40.3	—	—	—
Engineering technicians, n.e.c.	19.06	8.8	39.5	19.12	8.9	39.9	—	—	—
Drafters	18.46	3.2	39.4	18.67	3.1	40.0	—	—	—
Surveying and mapping technicians	15.16	5.2	39.7	15.16	5.2	39.7	—	—	—
Biological technicians	18.29	20.4	39.7	18.29	20.4	39.7	—	—	—
Chemical technicians	17.69	5.3	38.8	17.82	5.4	39.9	—	—	—
Science technicians, n.e.c.	18.02	5.0	36.4	17.36	4.4	40.0	—	—	—
Airplane pilots and navigators	70.74	37.1	18.7	109.24	17.8	22.2	—	—	—
Broadcast equipment operators	12.04	13.8	38.0	12.37	14.4	39.9	—	—	—
Computer programmers	21.66	6.8	39.6	21.43	6.7	39.8	—	—	—
Tool programmers, numerical control	16.26	4.1	40.0	16.26	4.1	40.0	—	—	—
Legal assistants	20.48	7.6	38.4	20.58	7.6	39.0	—	—	—
Technical and related, n.e.c.	17.17	7.7	39.2	17.18	7.8	39.7	16.42	14.3	24.3
Executive, administrative, and managerial									
Executives, administrators, and managers	29.43	2.6	40.4	29.46	2.6	40.8	22.33	17.1	10.8
Legislators	19.83	23.6	4.9	—	—	—	19.19	27.7	4.2
Administrators and officials, public administration	27.84	4.4	39.3	27.84	4.4	39.5	—	—	—
Financial managers	29.82	4.3	40.1	29.84	4.3	40.2	—	—	—
Personnel and labor relations managers	34.52	9.5	42.6	34.52	9.5	42.6	—	—	—
Purchasing managers	27.04	8.6	41.1	27.04	8.6	41.1	—	—	—
Managers, marketing, advertising, and public relations	34.41	7.5	40.9	34.41	7.5	40.9	—	—	—
Administrators, education and related fields	34.56	4.6	39.7	34.53	4.7	39.9	—	—	—
Managers, medicine and health	30.23	13.1	39.7	30.22	13.2	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 1999—Continued

Occupation ⁴	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar —Continued									
Executive, administrative, and managerial —Continued									
Executives, administrators, and managers—Continued									
Managers, food servicing and lodging establishments	\$16.22	10.8	43.5	\$16.27	11.1	44.4	—	—	—
Managers, properties and real estate	20.86	9.6	39.6	21.02	9.1	40.0	—	—	—
Managers, service organizations, n.e.c.	25.73	8.4	39.5	25.79	8.4	39.6	—	—	—
Managers and administrators, n.e.c.	29.49	3.8	41.0	29.49	3.8	41.1	—	—	—
Management related	22.38	6.6	36.9	22.51	6.6	39.8	\$14.15	16.9	6.7
Accountants and auditors	20.60	2.9	39.7	20.60	2.9	39.8	—	—	—
Underwriters	19.48	6.0	38.7	19.48	6.0	38.7	—	—	—
Other financial officers	23.70	4.6	39.9	23.70	4.6	39.9	—	—	—
Management analysts	24.95	4.7	39.3	24.95	4.7	39.3	—	—	—
Personnel, training, and labor relations specialists	20.45	9.8	26.1	20.98	8.7	39.7	—	—	—
Buyers, wholesale and retail trade, except farm products	18.65	8.7	40.8	18.65	8.7	41.2	—	—	—
Purchasing agents and buyers, n.e.c.	27.89	8.9	40.0	27.89	8.9	40.0	—	—	—
Construction inspectors	20.78	7.3	39.4	20.79	7.3	39.6	—	—	—
Inspectors and compliance officers, except construction	19.39	3.8	39.7	19.39	3.8	39.7	—	—	—
Management related, n.e.c.	24.38	13.9	38.8	24.60	14.0	39.7	15.74	23.8	21.0
Sales	14.03	8.2	32.8	16.48	8.0	40.9	6.84	1.8	20.7
Supervisors, sales	16.48	7.8	41.7	16.52	7.8	41.9	—	—	—
Insurance sales	20.21	6.6	38.3	20.24	6.6	39.4	—	—	—
Real estate sales	16.07	11.1	35.6	16.28	11.7	38.6	—	—	—
Securities and financial services sales	30.56	20.9	40.6	30.56	20.9	40.6	—	—	—
Advertising and related sales	18.67	9.7	39.8	18.73	9.8	40.2	—	—	—
Sales, other business services	24.36	9.3	39.9	24.41	9.3	40.0	—	—	—
Sales engineers	32.75	7.3	41.8	32.75	7.3	41.8	—	—	—
Sales representatives, mining, manufacturing, and wholesale	24.20	6.6	40.9	24.20	6.6	40.9	—	—	—
Sales workers, motor vehicles and boats	18.85	7.9	45.1	18.85	7.9	45.1	—	—	—
Sales workers, apparel	8.33	8.7	24.5	9.83	8.5	38.3	7.26	4.6	19.4
Sales workers, furniture and home furnishings ..	13.47	24.8	31.4	18.03	24.5	42.7	—	—	—
Sales workers, radio, tv, hi-fi, and appliances ...	14.00	13.7	34.9	15.86	8.1	39.4	—	—	—
Sales workers, hardware and building supplies ..	14.50	25.3	32.8	17.14	21.1	39.7	—	—	—
Sales workers, parts	12.18	7.3	40.6	12.24	7.4	40.9	—	—	—
Sales workers, other commodities	12.41	22.7	30.2	15.81	22.7	41.1	6.95	2.3	21.1
Sales counter clerks	8.61	8.7	33.6	9.07	10.1	39.3	6.73	2.3	21.2
Cashiers	7.06	2.5	27.3	7.61	3.2	39.7	6.49	2.1	20.6
Sales support, n.e.c.	10.39	9.3	32.0	12.19	3.9	43.2	6.35	3.7	20.3
Administrative support, including clerical	12.10	1.2	35.9	12.44	1.3	39.4	9.11	2.9	20.3
Supervisors, general office	16.12	7.2	39.9	15.94	7.4	40.5	—	—	—
Supervisors, computer equipment operators	19.66	11.9	40.3	19.66	11.9	40.3	—	—	—
Supervisors, financial records processing	17.75	7.2	39.3	17.75	7.2	39.3	—	—	—
Supervisors, distribution, scheduling, and adjusting clerks	18.60	5.3	40.3	18.64	5.3	40.5	—	—	—
Computer operators	16.54	4.6	39.1	16.58	4.6	39.4	—	—	—
Secretaries	12.71	2.8	38.4	12.80	2.9	39.4	10.64	4.7	25.0
Stenographers	12.39	3.6	35.9	12.64	4.1	38.8	11.05	4.8	25.4
Typists	11.93	5.0	34.1	12.15	5.4	38.5	9.80	3.4	16.1
Interviewers	8.42	6.7	25.6	9.73	7.8	39.6	—	—	—
Hotel clerks	8.09	5.8	33.7	8.29	7.0	39.8	—	—	—
Transportation ticket and reservation agents	12.44	5.0	34.2	—	—	—	10.33	9.1	20.6
Receptionists	9.31	3.6	35.7	9.56	3.4	39.7	7.36	9.4	20.0
Information clerks, n.e.c.	12.77	5.6	35.9	13.12	5.0	38.3	8.32	2.2	19.7
Order clerks	12.04	3.1	34.6	12.59	2.6	39.9	7.97	6.8	17.4

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 1999—Continued

Occupation ⁴	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar —Continued									
Administrative support, including clerical —Continued									
Personnel clerks, except payroll and timekeeping	\$13.08	7.0	38.1	\$13.10	7.1	38.7	—	—	—
Library clerks	10.05	5.6	27.8	10.65	8.0	37.9	\$8.45	6.2	16.3
File clerks	9.40	4.1	32.0	9.70	4.6	39.1	8.21	1.9	18.5
Records clerks, n.e.c.	12.28	4.8	37.4	12.56	4.6	39.2	8.48	7.4	23.6
Bookkeepers, accounting and auditing clerks ...	11.86	2.8	34.5	12.17	2.7	39.5	9.42	6.5	17.1
Payroll and timekeeping clerks	14.28	4.9	37.7	14.51	5.1	39.9	10.63	8.4	20.4
Billing clerks	11.25	4.5	31.9	11.60	5.7	39.3	—	—	—
Billing, posting, and calculating machine operators	10.48	5.3	37.5	10.56	5.6	38.3	—	—	—
Mail preparing and paper handling machine operators	9.82	5.4	38.7	9.82	5.4	38.7	—	—	—
Office machine operators, n.e.c.	8.91	6.4	35.1	9.19	6.1	39.8	—	—	—
Telephone operators	11.98	8.2	34.3	12.47	7.8	38.7	8.76	4.1	19.5
Mail clerks, except postal service	9.43	5.6	32.8	10.17	5.5	38.9	7.41	2.0	23.0
Messengers	7.97	9.0	22.2	9.08	6.2	38.9	—	—	—
Dispatchers	12.04	3.6	39.3	12.12	3.9	40.2	9.20	13.9	22.8
Production coordinators	16.58	4.9	40.1	16.58	4.9	40.1	—	—	—
Traffic, shipping and receiving clerks	10.77	8.0	39.6	10.78	8.1	40.0	—	—	—
Stock and inventory clerks	11.86	4.3	33.9	12.62	3.4	39.7	7.56	5.4	18.6
Meter readers	13.70	2.6	37.8	13.84	2.2	40.0	—	—	—
Weighers, measurers, checkers, and samplers	18.24	8.1	39.8	18.30	8.1	40.0	—	—	—
Expeditors	12.56	10.7	38.0	13.05	9.8	40.0	—	—	—
Material recording, scheduling, and distribution clerks, n.e.c.	15.23	8.7	39.6	15.35	8.6	40.1	—	—	—
Insurance adjusters, examiners, and investigators	16.57	13.5	36.4	17.12	12.9	38.9	—	—	—
Investigators and adjusters, except insurance ...	12.51	5.6	38.9	12.57	5.6	39.6	10.10	9.7	22.4
Eligibility clerks, social welfare	13.17	5.1	38.4	13.41	5.5	40.0	—	—	—
Bill and account collectors	11.74	5.8	38.5	11.82	5.9	39.0	—	—	—
General office clerks	10.79	2.3	34.5	11.12	2.5	39.1	8.73	3.8	20.0
Bank tellers	8.92	2.2	32.8	9.28	2.7	39.4	7.76	2.9	21.3
Data entry keyers	11.67	6.3	36.7	11.61	6.6	39.5	12.51	21.2	19.7
Statistical clerks	11.70	5.2	37.4	11.62	5.5	39.4	—	—	—
Teachers' aides	9.87	3.8	31.6	10.09	4.8	34.6	8.97	4.3	23.2
Administrative support, n.e.c.	11.88	3.1	35.9	12.23	3.3	39.4	9.38	7.0	22.0
Blue collar	14.15	2.1	38.0	14.51	2.2	40.0	8.04	3.5	20.9
Precision production, craft, and repair									
Supervisors, mechanics and repairers	23.42	3.5	40.6	23.42	3.5	40.6	11.58	10.2	20.7
Automobile mechanics	14.85	10.3	40.3	14.85	10.3	40.3	—	—	—
Bus, truck, and stationary engine mechanics	17.13	2.9	40.1	17.13	2.9	40.1	—	—	—
Automobile body and related repairers	21.08	13.0	42.4	21.08	13.0	42.4	—	—	—
Aircraft mechanics, except engine	21.68	1.8	40.0	21.68	1.8	40.0	—	—	—
Heavy equipment mechanics	16.99	8.3	40.0	16.99	8.3	40.0	—	—	—
Industrial machinery repairers	18.40	3.1	39.9	18.40	3.2	40.0	—	—	—
Machinery maintenance	14.70	3.8	39.5	14.73	3.8	39.8	—	—	—
Electronic repairers, communications and industrial equipment	15.16	5.5	40.0	15.16	5.5	40.0	—	—	—
Data processing equipment repairers	13.81	8.4	30.0	13.97	13.1	39.9	—	—	—
Telephone line installers and repairers	20.55	7.9	40.0	20.55	7.9	40.0	—	—	—
Telephone installers and repairers	15.12	8.9	40.0	15.12	8.9	40.0	—	—	—
Heating, air conditioning, and refrigeration mechanics	15.31	8.8	39.4	15.30	8.9	40.0	—	—	—
Office machine repairers	15.95	7.8	40.0	15.95	7.8	40.0	—	—	—
Mechanical controls and valve repairers	16.32	5.7	37.0	16.95	4.5	40.0	—	—	—
Millwrights	19.04	8.1	40.3	19.04	8.1	40.3	—	—	—
Mechanics and repairers, n.e.c.	16.74	3.9	40.0	16.75	3.9	40.0	—	—	—
Supervisors, carpenters and related workers	24.74	10.4	40.0	24.74	10.4	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 1999—Continued

Occupation ⁴	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
Blue collar —Continued									
Precision production, craft, and repair —Continued									
Supervisors, electricians and power transmission installers	\$27.46	3.2	40.2	\$27.46	3.2	40.2	—	—	—
Supervisors, plumbers, pipefitters, and steamfitters	31.06	3.7	40.0	31.06	3.7	40.0	—	—	—
Supervisors, construction trades, n.e.c.	22.44	8.9	40.0	22.44	8.9	40.0	—	—	—
Brickmasons and stonemasons	24.05	9.2	39.4	24.05	9.2	39.4	—	—	—
Carpenters	19.58	9.6	40.4	19.58	9.6	40.5	—	—	—
Electricians	21.17	5.0	40.1	21.17	5.0	40.1	—	—	—
Electrician apprentices	13.99	8.8	40.0	13.99	8.8	40.0	—	—	—
Electrical power installers and repairers	23.60	3.0	40.0	23.60	3.0	40.0	—	—	—
Painters, construction and maintenance	18.34	5.8	40.0	18.34	5.8	40.0	—	—	—
Plumbers, pipefitters and steamfitters	22.15	4.0	39.9	22.15	4.0	39.9	—	—	—
Plumber, pipefitter, and steamfitter apprentices	12.55	11.3	40.0	12.55	11.3	40.0	—	—	—
Construction trades, n.e.c.	19.53	10.7	38.0	19.53	10.7	38.0	—	—	—
Supervisors, production	19.59	5.0	40.5	19.59	5.0	40.5	—	—	—
Tool and die makers	20.99	3.3	40.1	20.99	3.3	40.1	—	—	—
Tool and die maker apprentices	17.94	11.9	39.5	17.94	11.9	39.5	—	—	—
Precision assemblers, metal	18.06	6.1	40.0	18.06	6.1	40.0	—	—	—
Machinists	17.00	5.4	38.7	17.23	5.4	40.1	—	—	—
Precision grinders, filers, and tool sharpeners ...	16.64	10.9	40.0	16.64	10.9	40.0	—	—	—
Patternmakers and modelmakers, metal	20.29	10.7	40.0	20.29	10.7	40.0	—	—	—
Sheet metal workers	22.68	9.8	40.0	22.68	9.8	40.0	—	—	—
Dental laboratory and medical appliance technicians	14.20	1.3	39.0	14.20	1.3	39.0	—	—	—
Bookbinders	12.72	8.0	39.6	12.72	8.0	39.6	—	—	—
Electrical and electronic equipment assemblers	9.85	12.3	39.8	9.86	12.4	40.0	—	—	—
Miscellaneous precision workers, n.e.c.	15.81	4.1	40.0	15.81	4.1	40.0	—	—	—
Butchers and meat cutters	10.37	17.3	39.2	10.39	17.5	40.0	—	—	—
Bakers	9.33	6.8	30.8	9.86	7.9	39.7	—	—	—
Food batchmakers	14.37	5.4	40.0	14.37	5.4	40.0	—	—	—
Inspectors, testers, and graders	17.52	5.7	40.1	17.52	5.7	40.1	—	—	—
Precision inspectors, testers, and related workers, n.e.c.	18.39	17.7	40.0	18.39	17.7	40.0	—	—	—
Water and sewer treatment plant operators	16.27	3.7	40.0	16.27	3.7	40.0	—	—	—
Stationary engineers	22.27	5.1	39.5	22.29	5.1	39.7	—	—	—
Miscellaneous plant and system operators, n.e.c.	18.29	2.6	40.0	18.29	2.6	40.0	—	—	—
Machine operators, assemblers, and inspectors	12.86	2.6	39.7	12.95	2.7	39.9	\$7.66	2.8	29.0
Lathe and turning machine set-up operators	15.35	4.2	40.0	15.35	4.2	40.0	—	—	—
Lathe and turning machine operators	13.34	8.3	40.0	13.34	8.3	40.0	—	—	—
Punching and stamping press operators	13.44	4.7	39.9	13.46	4.7	40.0	—	—	—
Rolling machine operators	14.28	8.4	41.4	14.28	8.4	41.4	—	—	—
Drilling and boring machine operators	13.62	5.2	40.0	13.62	5.2	40.0	—	—	—
Grinding, abrading, buffing, and polishing machine operators	12.96	4.1	39.8	13.01	4.1	39.9	—	—	—
Forging machine operators	13.63	7.5	40.0	13.63	7.5	40.0	—	—	—
Numerical control machine operators	13.95	5.6	40.0	13.95	5.6	40.0	—	—	—
Fabricating machine operators, n.e.c.	14.61	4.5	39.9	14.61	4.5	39.9	—	—	—
Molding and casting machine operators	10.40	3.5	39.8	10.41	3.5	39.9	—	—	—
Metal plating machine operators	13.37	7.2	38.7	13.37	7.2	38.7	—	—	—
Shaping and jointing machine operators	11.76	6.5	40.0	11.76	6.5	40.0	—	—	—
Printing press operators	13.32	4.1	39.7	13.34	4.2	39.8	—	—	—
Photoengravers and lithographers	17.18	5.1	39.1	17.18	5.1	39.1	—	—	—
Typesetters and compositors	12.54	11.1	40.1	12.54	11.1	40.1	—	—	—
Textile sewing machine operators	9.51	13.8	39.6	9.51	14.0	40.0	—	—	—
Laundering and dry cleaning machine operators	7.54	3.4	36.7	7.52	3.6	37.4	7.94	17.6	26.4
Packaging and filling machine operators	13.11	6.0	39.4	13.20	5.8	40.3	—	—	—
Extruding and forming machine operators	12.07	8.4	40.0	12.07	8.4	40.0	—	—	—
Mixing and blending machine operators	14.12	8.0	40.7	14.12	8.1	40.8	—	—	—

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 1999—Continued

Occupation ⁴	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
Blue collar—Continued									
Machine operators, assemblers, and inspectors—Continued									
Separating, filtering, and clarifying machine operators	\$15.61	5.7	40.2	\$15.61	5.7	40.2	—	—	—
Compressing and compacting machine operators	11.12	5.8	40.0	11.12	5.8	40.0	—	—	—
Painting and paint spraying machine operators	11.90	6.7	39.8	11.90	6.7	39.8	—	—	—
Washing, cleaning, and pickling machine operators	14.51	10.8	40.0	14.51	10.8	40.0	—	—	—
Furnace, kiln, and oven operators, except food	14.36	12.1	40.0	14.36	12.1	40.0	—	—	—
Crushing and grinding machine operators	13.40	10.9	40.0	13.40	10.9	40.0	—	—	—
Slicing and cutting machine operators	13.70	5.0	40.0	13.70	5.0	40.0	—	—	—
Photographic process machine operators	10.72	13.3	35.0	11.55	12.8	40.0	—	—	—
Miscellaneous machine operators, n.e.c.	12.59	4.8	39.8	12.63	4.9	39.9	\$8.31	4.2	32.6
Welders and cutters	15.03	3.2	40.0	15.04	3.2	40.0	—	—	—
Solders and braziers	13.21	5.7	40.0	13.21	5.7	40.0	—	—	—
Assemblers	13.26	5.3	39.2	13.58	5.2	39.9	7.40	1.3	30.0
Hand molding, casting, and forming	11.57	1.6	40.0	11.57	1.6	40.0	—	—	—
Hand painting, coating, and decorating	10.80	11.5	40.0	10.80	11.5	40.0	—	—	—
Hand engraving and printing	9.15	5.2	40.0	9.15	5.2	40.0	—	—	—
Miscellaneous hand working, n.e.c.	12.30	7.2	39.8	12.38	7.1	40.0	—	—	—
Production inspectors, checkers and examiners	12.01	6.0	40.0	12.01	6.0	40.0	—	—	—
Production testers	14.38	8.2	40.0	14.38	8.2	40.0	—	—	—
Graders and sorters, except agricultural	9.92	6.2	40.0	9.92	6.2	40.0	—	—	—
Transportation and material moving	13.67	4.8	36.4	14.26	5.1	40.2	8.99	10.8	20.7
Truck drivers	14.64	4.0	39.9	14.70	4.0	40.9	11.88	6.6	18.2
Driver-sales workers	10.86	16.6	28.9	14.68	11.5	41.7	6.21	15.0	21.0
Bus drivers	12.12	9.1	28.8	11.83	13.9	37.5	12.54	6.9	21.5
Taxicab drivers and chauffeurs	8.50	13.4	29.8	10.94	14.0	40.0	6.08	3.8	23.8
Parking lot attendants	7.68	10.2	33.9	—	—	—	—	—	—
Motor transportation, n.e.c.	7.36	9.5	20.4	8.36	16.7	34.8	6.04	1.2	13.2
Supervisors, material moving equipment	17.51	5.8	40.3	17.51	5.8	40.3	—	—	—
Operating engineers	21.82	2.1	40.0	21.82	2.1	40.0	—	—	—
Crane and tower operators	14.54	4.4	40.4	14.54	4.4	40.4	—	—	—
Excavating and loading machine operators	16.13	3.9	40.0	16.13	3.9	40.0	—	—	—
Grader, dozer, and scrapper operators	16.77	9.7	40.2	16.77	9.7	40.2	—	—	—
Industrial truck and tractor equipment operators	13.55	4.5	39.7	13.58	4.5	39.9	—	—	—
Miscellaneous material moving equipment operators, n.e.c.	13.79	6.6	38.4	13.90	6.8	40.1	—	—	—
Handlers, equipment cleaners, helpers, and laborers	10.85	2.7	34.0	11.54	2.8	39.8	7.46	2.7	19.8
Supervisors, agriculture-related workers	20.41	11.7	40.0	20.41	11.7	40.0	—	—	—
Groundskeepers and gardeners, except farm ...	11.80	4.8	37.2	12.26	4.4	39.7	7.53	2.1	23.3
Animal caretakers, except farm	—	—	—	12.70	17.5	36.8	—	—	—
Supervisors, handlers, equipment cleaners, and laborers, n.e.c.	13.91	7.7	39.9	13.94	7.8	40.1	—	—	—
Helpers, mechanics and repairers	13.94	3.0	39.6	—	—	—	—	—	—
Construction laborers	16.55	10.6	38.5	16.77	10.6	39.8	—	—	—
Production helpers	10.06	5.6	39.6	10.09	5.6	40.0	—	—	—
Stock handlers and baggers	9.15	4.4	28.9	10.37	5.4	39.6	7.04	5.1	19.6
Machine feeders and offbearers	9.81	4.0	39.5	9.96	3.9	39.9	—	—	—
Freight, stock, and material handlers, n.e.c.	13.49	7.1	31.6	14.53	6.6	39.5	9.78	3.9	18.5
Garage and service station related	8.38	17.5	34.1	8.58	19.5	40.0	—	—	—
Vehicle washers and equipment cleaners	9.26	9.4	34.4	9.62	10.5	39.7	—	—	—
Hand packers and packagers	9.21	4.7	38.9	9.27	4.8	39.9	7.50	6.8	21.9
Laborers, except construction, n.e.c.	10.46	4.7	34.2	11.14	5.3	40.0	7.32	4.8	20.6
Service	9.23	2.1	30.4	10.20	3.2	38.8	6.45	2.0	18.7
Protective service	15.37	3.6	36.5	16.07	3.3	41.1	8.43	4.7	17.5

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 1999—Continued

Occupation ⁴	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
Service —Continued									
Protective service —Continued									
Supervisors, firefighters and fire prevention	\$19.23	4.1	50.1	\$19.23	4.1	50.1	—	—	—
Supervisors, police and detectives	25.23	8.4	40.1	25.23	8.4	40.1	—	—	—
Supervisors, guards	14.53	15.4	37.0	14.71	15.6	38.5	—	—	—
Firefighting	17.65	4.1	45.2	17.81	4.0	50.0	\$11.06	5.8	9.0
Police and detectives, public service	20.40	2.1	38.8	20.48	2.1	39.9	13.74	9.4	11.3
Sheriffs, bailiffs, and other law enforcement officers	15.45	4.2	39.7	15.46	4.2	39.8	—	—	—
Correctional institution officers	15.19	4.0	38.6	15.31	3.8	39.3	—	—	—
Crossing guards	7.81	11.3	14.1	—	—	—	7.81	11.3	14.1
Guards and police, except public service	8.63	5.1	31.9	8.68	5.3	39.4	8.42	7.1	18.3
Protective service, n.e.c.	10.30	14.5	26.6	13.25	14.9	39.1	7.20	6.2	19.9
Food service	6.55	2.6	27.0	7.33	4.6	38.6	5.50	2.9	19.4
Waiters, waitresses, and bartenders	4.42	6.2	25.0	4.66	8.7	38.3	4.13	4.7	17.5
Bartenders	6.39	3.3	23.7	6.36	4.4	39.1	6.45	3.4	13.3
Waiters and waitresses	3.21	3.9	25.9	3.20	6.5	37.6	3.21	4.1	19.7
Waiters'/Waitresses' assistants	5.78	7.2	24.5	—	—	—	5.05	6.4	16.9
Other food service	7.82	2.4	28.4	8.86	2.8	38.8	6.38	3.0	20.7
Supervisors, food preparation and service	9.77	6.8	36.6	10.39	5.1	40.0	—	—	—
Cooks	8.66	2.2	32.4	9.21	1.8	38.1	6.82	4.2	21.6
Kitchen workers, food preparation	7.00	3.4	27.1	7.32	7.1	39.0	6.67	1.8	20.5
Food preparation, n.e.c.	6.90	2.8	25.2	7.71	3.4	38.3	6.46	3.0	21.3
Health service	9.15	1.3	34.3	9.23	1.5	38.5	8.65	1.8	20.8
Dental assistants	9.29	6.5	38.2	9.29	6.5	38.2	—	—	—
Health aides, except nursing	9.95	3.2	33.4	10.04	3.5	38.1	9.35	6.3	18.2
Nursing aides, orderlies and attendants	8.88	1.9	34.0	8.96	2.1	38.7	8.49	1.8	21.6
Cleaning and building service	9.11	4.5	31.8	9.54	5.6	38.6	6.82	3.3	16.3
Maids and housemen	7.07	2.2	30.7	7.07	2.5	34.5	7.06	3.9	21.6

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 1999—Continued

Occupation ⁴	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
Service —Continued									
Cleaning and building service—Continued									
Janitors and cleaners	\$9.20	5.1	30.8	\$9.73	6.1	39.0	\$6.78	3.5	15.8
Personal service	8.92	5.1	26.9	10.24	4.7	37.1	6.99	6.2	19.2
Attendants, amusement, and recreation facilities	6.00	4.3	20.3	—	—	—	5.99	4.6	19.2
Ushers	5.99	1.6	13.9	—	—	—	5.99	1.6	13.9
Public transportation attendants	32.18	8.6	18.7	33.63	8.5	18.7	—	—	—
Baggage porters and bellhops	6.01	8.6	34.9	6.04	10.5	40.0	—	—	—
Welfare service aides	7.33	4.8	28.8	7.62	5.2	38.5	6.71	7.0	19.0
Early childhood teachers' assistants	7.11	7.3	27.0	7.99	3.8	37.7	6.48	8.1	22.3
Child care workers, n.e.c.	9.25	4.7	24.7	10.18	6.5	38.9	7.21	4.0	13.7
Service, n.e.c.	9.44	5.7	25.1	10.50	6.8	38.2	7.65	5.2	16.0

¹ Earnings are the straight-time hourly wages or salaries paid to employees. They include incentive pay, cost-of-living adjustments, and hazard pay. Excluded are premium pay for overtime, vacations, 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, collection was conducted between November 1998 and April

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

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 1999

Occupation ⁴	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
All	\$14.82	2.0	35.5	\$15.69	2.1	39.9	\$8.42	2.3	19.7
All, excluding sales	14.90	1.8	35.8	15.62	1.9	39.8	8.83	2.5	19.5
White collar	17.64	2.6	35.6	18.68	2.5	40.1	10.28	4.0	19.9
White collar, excluding sales	18.65	1.9	36.4	19.19	2.0	39.9	13.08	3.8	19.2
Professional specialty and technical	22.24	2.6	35.8	22.68	2.6	39.7	18.48	5.7	19.4
Professional specialty	23.72	3.1	36.0	24.24	3.1	39.9	19.48	7.5	20.0
Engineers, architects, and surveyors	28.35	5.6	40.5	28.35	5.6	40.5	-	-	-
Architects	20.68	4.2	39.1	20.68	4.2	39.1	-	-	-
Metallurgical and materials engineers	30.20	7.9	40.6	30.20	7.9	40.6	-	-	-
Electrical and electronic engineers	35.42	7.4	43.1	35.42	7.4	43.1	-	-	-
Industrial engineers	24.52	8.1	40.3	24.52	8.1	40.3	-	-	-
Mechanical engineers	25.56	7.3	40.2	25.56	7.3	40.2	-	-	-
Engineers, n.e.c.	30.50	1.7	40.0	30.50	1.7	40.0	-	-	-
Mathematical and computer scientists	27.39	5.2	39.7	27.39	5.2	39.8	-	-	-
Computer systems analysts and scientists	26.88	6.2	39.8	26.88	6.2	39.9	-	-	-
Operations and systems researchers and analysts	28.75	4.4	39.4	28.78	4.4	39.5	-	-	-
Actuaries	35.26	10.1	37.7	35.26	10.1	37.7	-	-	-
Natural scientists	26.30	4.7	39.6	26.36	4.8	40.1	-	-	-
Chemists, except biochemists	28.83	6.9	40.0	28.83	6.9	40.0	-	-	-
Physical scientists, n.e.c.	29.51	9.1	38.5	29.95	9.2	40.1	-	-	-
Biological and life scientists	24.11	5.2	40.0	24.11	5.2	40.0	-	-	-
Medical scientists	22.65	11.8	31.9	-	-	-	-	-	-
Health related	22.53	3.7	32.1	22.33	3.7	39.6	23.12	4.9	20.5
Physicians	50.14	15.9	38.7	44.17	18.1	43.8	85.87	21.0	22.7
Registered nurses	20.22	1.7	31.4	20.19	1.8	39.3	20.30	2.3	20.7
Pharmacists	29.72	2.6	30.9	29.48	2.6	40.0	30.53	5.7	17.4
Dietitians	16.78	3.4	33.2	16.06	4.4	39.9	20.11	2.5	18.7
Respiratory therapists	17.09	2.2	32.9	16.93	2.8	39.5	17.50	3.3	22.6
Occupational therapists	22.21	2.7	28.4	21.96	3.6	40.0	22.59	4.2	19.4
Physical therapists	24.79	3.9	37.0	24.21	4.8	39.9	32.07	5.5	19.5
Speech therapists	21.72	4.7	32.4	20.88	5.8	40.0	-	-	-
Therapists, n.e.c.	17.04	6.0	32.7	17.16	6.2	37.5	-	-	-
Physicians' assistants	28.15	13.4	36.6	-	-	-	-	-	-
Teachers, college and university	33.20	11.3	35.1	33.14	11.3	42.5	33.99	27.6	10.9
Biological science teachers	31.28	8.8	36.8	31.28	8.8	36.8	-	-	-
Engineering teachers	35.68	9.4	38.2	35.68	9.4	38.2	-	-	-
Mathematical science teachers	29.27	13.8	35.6	29.67	13.9	39.6	-	-	-
Medical science teachers	53.58	8.7	52.9	51.83	12.2	51.8	-	-	-
Business, commerce, and marketing teachers ..	40.82	15.8	18.0	44.96	13.1	40.4	26.86	12.6	6.3
Art, drama, and music teachers	30.84	17.2	31.1	31.56	19.5	39.4	-	-	-
Education teachers	29.71	6.5	36.3	29.72	6.5	37.4	-	-	-
English teachers	34.81	13.0	33.1	36.00	12.9	40.5	-	-	-
Foreign language teachers	29.68	8.9	33.1	30.01	9.1	35.2	-	-	-
Theology teachers	25.60	8.0	39.8	25.61	8.0	40.7	-	-	-
Other post-secondary teachers	21.89	9.2	30.8	22.12	10.4	39.2	19.27	15.7	8.9
Teachers, except college and university	13.56	8.6	32.9	14.13	10.0	38.6	11.17	9.6	20.4
Prekindergarten and kindergarten	10.12	5.0	36.0	10.30	7.1	39.7	-	-	-
Elementary school teachers	16.91	4.6	35.9	16.91	4.7	36.6	16.39	5.6	16.6
Secondary school teachers	22.00	4.9	37.3	21.96	5.0	37.8	23.92	11.4	23.6
Teachers, n.e.c.	16.97	12.2	15.5	17.80	12.3	39.4	16.29	19.1	10.4
Substitute teachers	9.50	6.8	7.3	-	-	-	9.50	6.8	7.3
Vocational and educational counselors	17.21	12.9	39.6	17.28	12.9	40.1	-	-	-
Librarians, archivists, and curators	20.21	10.6	32.9	20.58	10.9	38.7	-	-	-
Librarians	17.08	5.3	33.3	17.20	5.4	39.2	-	-	-
Archivists and curators	33.51	18.3	31.3	34.23	18.2	36.7	-	-	-
Social scientists and urban planners	21.71	11.1	35.6	21.22	11.7	39.5	31.66	8.5	11.8
Economists	24.60	13.6	40.0	24.60	13.6	40.0	-	-	-
Psychologists	17.67	11.6	34.8	16.36	10.3	39.2	-	-	-
Social, recreation, and religious workers	13.45	3.6	35.3	13.24	3.7	38.8	-	-	-
Social workers	13.61	3.9	35.3	13.37	4.2	38.7	-	-	-
Recreation workers	11.54	9.7	34.5	11.80	9.3	39.9	-	-	-
Clergy	12.61	19.3	37.1	-	-	-	-	-	-

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 1999—Continued

Occupation ⁴	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar —Continued									
Professional specialty and technical —Continued									
Professional specialty—Continued									
Lawyers and judges	\$50.45	10.8	41.0	\$50.45	10.8	41.0	—	—	—
Lawyers	50.45	10.8	41.0	50.45	10.8	41.0	—	—	—
Writers, authors, entertainers, athletes, and professionals, n.e.c.	19.27	7.7	34.4	20.35	7.0	39.3	—	—	—
Technical writers	18.79	9.8	39.6	18.79	9.8	39.6	—	—	—
Designers	22.87	12.1	39.4	22.87	12.1	39.4	—	—	—
Actors and directors	22.73	15.4	38.3	25.02	11.8	40.0	—	—	—
Painters, sculptors, craft artists, and artist printmakers	15.81	14.3	39.4	15.81	14.3	39.4	—	—	—
Photographers	18.42	12.9	37.0	17.69	11.9	39.8	—	—	—
Editors and reporters	19.70	19.7	38.7	19.66	19.7	39.4	—	—	—
Public relations specialists	22.55	25.2	37.5	23.46	27.3	40.2	—	—	—
Athletes	22.09	17.7	29.7	22.87	19.3	39.4	\$11.01	12.3	6.7
Professional, n.e.c.	22.24	5.2	38.9	22.43	5.2	39.7	—	—	—
Technical	18.50	2.5	35.3	18.80	2.8	39.4	15.59	5.0	17.6
Clinical laboratory technologists and technicians	16.83	2.5	36.4	16.76	2.5	39.6	17.57	7.3	20.3
Health record technologists and technicians	12.81	7.0	32.2	13.20	8.4	38.2	—	—	—
Radiological technicians	17.46	2.8	32.3	17.67	3.4	39.6	16.69	4.4	19.2
Licensed practical nurses	13.37	2.2	33.9	13.17	2.5	39.1	14.40	2.0	19.9
Health technologists and technicians, n.e.c.	13.28	3.1	27.7	13.64	3.0	39.7	11.69	8.3	11.9
Electrical and electronic technicians	21.29	2.4	39.4	21.39	2.3	40.0	—	—	—
Industrial engineering technicians	17.38	6.2	40.6	17.38	6.2	40.6	—	—	—
Mechanical engineering technicians	24.18	7.0	40.3	24.18	7.0	40.3	—	—	—
Engineering technicians, n.e.c.	18.98	10.2	40.0	19.01	10.3	40.1	—	—	—
Drafters	18.46	3.2	39.4	18.67	3.2	40.0	—	—	—
Biological technicians	21.14	19.3	39.5	21.14	19.3	39.5	—	—	—
Chemical technicians	17.73	5.6	38.8	17.87	5.6	39.9	—	—	—
Science technicians, n.e.c.	—	—	—	17.79	3.2	40.0	—	—	—
Airplane pilots and navigators	70.74	37.1	18.7	109.24	17.8	22.2	—	—	—
Broadcast equipment operators	12.19	14.7	38.6	12.51	15.3	40.0	—	—	—
Computer programmers	21.73	7.1	39.7	21.49	7.0	39.8	—	—	—
Tool programmers, numerical control	16.26	4.1	40.0	16.26	4.1	40.0	—	—	—
Legal assistants	22.99	7.2	38.6	22.99	7.2	38.6	—	—	—
Technical and related, n.e.c.	17.36	9.3	39.5	17.35	9.5	39.9	17.78	14.3	28.3
Executive, administrative, and managerial									
Executives, administrators, and managers	26.65	2.5	39.2	26.74	2.5	40.6	15.35	16.4	7.5
Financial managers	28.85	2.6	40.9	28.87	2.6	41.0	21.62	23.2	22.8
Personnel and labor relations managers	29.86	4.3	40.1	29.87	4.4	40.2	—	—	—
Purchasing managers	34.59	9.8	42.6	34.59	9.8	42.6	—	—	—
Managers, marketing, advertising, and public relations	27.08	8.7	41.1	27.08	8.7	41.1	—	—	—
Administrators, education and related fields	34.50	7.6	40.9	34.50	7.6	40.9	—	—	—
Managers, medicine and health	25.14	7.1	42.4	25.15	7.1	42.7	—	—	—
Managers, food servicing and lodging establishments	26.50	6.8	40.0	26.46	6.9	40.3	—	—	—
Managers, properties and real estate	16.20	11.3	43.8	16.29	11.5	44.6	—	—	—
Managers, service organizations, n.e.c.	21.18	9.5	39.5	21.36	8.9	40.0	—	—	—
Managers and administrators, n.e.c.	25.83	8.9	39.5	25.87	8.9	39.6	—	—	—
Management related	29.57	3.9	41.1	29.56	3.9	41.1	—	—	—
Accountants and auditors	22.70	7.6	36.5	22.86	7.6	39.9	13.66	18.0	6.3
Underwriters	20.50	3.1	39.9	20.49	3.1	40.0	—	—	—
Other financial officers	19.48	6.0	38.7	19.48	6.0	38.7	—	—	—
Management analysts	23.82	4.9	39.9	23.82	4.9	39.9	—	—	—
Personnel, training, and labor relations specialists	24.72	5.3	39.2	24.72	5.3	39.2	—	—	—
Buyers, wholesale and retail trade, except farm products	20.52	11.2	24.8	21.13	10.0	39.8	—	—	—
Purchasing agents and buyers, n.e.c.	18.67	8.8	40.8	18.67	8.8	41.2	—	—	—
	28.04	9.0	40.0	28.04	9.0	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 1999—Continued

Occupation ⁴	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar —Continued									
Executive, administrative, and managerial									
—Continued									
Management related—Continued									
Inspectors and compliance officers, except construction	\$23.33	6.9	40.7	\$23.33	6.9	40.7	—	—	—
Management related, n.e.c.	24.79	15.6	38.8	25.05	15.7	39.7	\$14.87	26.0	20.5
Sales									
Supervisors, sales	14.03	8.2	32.8	16.48	8.0	40.9	6.84	1.9	20.7
Insurance sales	16.48	7.8	41.7	16.52	7.8	41.9	—	—	—
Real estate sales	20.21	6.6	38.3	20.24	6.6	39.4	—	—	—
Securities and financial services sales	16.07	11.1	35.6	16.28	11.7	38.6	—	—	—
Advertising and related sales	30.56	20.9	40.6	30.56	20.9	40.6	—	—	—
Sales, other business services	18.67	9.7	39.8	18.73	9.8	40.2	—	—	—
Sales engineers	24.37	9.4	39.9	24.42	9.4	40.0	—	—	—
Sales representatives, mining, manufacturing, and wholesale	32.75	7.3	41.8	32.75	7.3	41.8	—	—	—
Sales workers, motor vehicles and boats	24.20	6.6	40.9	24.20	6.6	40.9	—	—	—
Sales workers, apparel	18.85	7.9	45.1	18.85	7.9	45.1	—	—	—
Sales workers, furniture and home furnishings ..	8.33	8.7	24.5	9.83	8.5	38.3	7.26	4.6	19.4
Sales workers, radio, tv, hi-fi, and appliances ...	13.47	24.8	31.4	18.03	24.5	42.7	—	—	—
Sales workers, hardware and building supplies ..	14.00	13.7	34.9	15.86	8.1	39.4	—	—	—
Sales workers, parts	14.50	25.3	32.8	17.14	21.1	39.7	—	—	—
Sales workers, other commodities	12.18	7.3	40.6	12.24	7.4	40.9	—	—	—
Sales counter clerks	12.41	22.7	30.2	15.81	22.7	41.1	6.95	2.3	21.1
Cashiers	8.61	8.7	33.6	9.07	10.1	39.3	6.73	2.3	21.2
Sales support, n.e.c.	7.04	2.5	27.3	7.58	3.2	39.7	6.48	2.1	20.6
Administrative support, including clerical	10.36	9.3	32.0	12.16	3.9	43.2	6.35	3.7	20.3
Supervisors, general office	12.04	1.3	35.8	12.42	1.3	39.6	9.05	3.2	20.2
Supervisors, financial records processing	16.22	8.2	40.2	16.02	8.5	40.8	—	—	—
Supervisors, distribution, scheduling, and adjusting clerks	17.77	7.3	39.3	17.77	7.3	39.3	—	—	—
Computer operators	18.44	5.8	40.6	18.48	5.8	40.8	—	—	—
Secretaries	16.71	5.2	39.4	16.77	5.2	39.7	—	—	—
Stenographers	12.82	4.0	38.6	12.94	4.1	39.6	10.63	5.7	26.0
Typists	11.63	3.7	35.1	11.80	4.4	39.5	11.05	4.8	25.4
Interviewers	12.01	8.5	30.6	12.37	9.7	38.6	10.10	3.5	14.6
Hotel clerks	8.37	6.6	25.5	9.71	8.2	39.6	—	—	—
Transportation ticket and reservation agents	8.09	5.8	33.7	8.29	7.0	39.8	—	—	—
Receptionists	12.44	5.0	34.2	—	—	—	10.33	9.1	20.6
Information clerks, n.e.c.	9.19	3.7	35.8	9.43	3.5	39.7	7.32	9.5	20.1
Order clerks	12.68	6.2	35.8	13.04	5.5	38.3	8.26	2.3	19.7
Personnel clerks, except payroll and timekeeping	12.02	3.2	34.5	12.58	2.7	39.9	7.97	6.8	17.4
Library clerks	13.01	4.9	38.0	13.04	5.0	38.9	—	—	—
File clerks	11.44	5.7	33.6	12.03	5.0	39.2	8.07	6.3	18.5
Records clerks, n.e.c.	9.41	4.2	32.0	9.71	4.6	39.1	8.21	1.9	18.5
Bookkeepers, accounting and auditing clerks ...	12.09	5.6	37.3	12.44	5.3	39.4	8.43	7.4	23.8
Payroll and timekeeping clerks	11.78	3.2	34.0	12.12	3.0	39.6	9.37	6.4	17.0
Billing clerks	14.09	5.2	37.7	14.32	5.5	40.0	10.63	8.4	20.4
Billing, posting, and calculating machine operators	11.22	4.6	31.7	11.58	5.9	39.3	—	—	—
Mail preparing and paper handling machine operators	10.48	5.3	37.5	10.56	5.6	38.3	—	—	—
Office machine operators, n.e.c.	9.82	5.4	38.7	9.82	5.4	38.7	—	—	—
Telephone operators	8.35	3.9	34.2	8.61	2.9	39.7	—	—	—
Mail clerks, except postal service	12.18	8.3	34.0	12.74	7.7	38.6	8.76	4.1	19.5
Messengers	9.29	6.0	32.4	10.04	6.0	38.8	7.41	2.0	23.0
Production coordinators	7.98	9.1	22.4	9.08	6.2	38.9	—	—	—
Traffic, shipping and receiving clerks	16.58	4.9	40.1	16.58	4.9	40.1	—	—	—
Stock and inventory clerks	10.77	8.0	39.6	10.78	8.1	40.0	—	—	—
	11.76	4.8	33.6	12.60	3.8	40.0	7.57	5.5	18.6

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 1999—Continued

Occupation ⁴	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar —Continued									
Administrative support, including clerical									
—Continued									
Meter readers	\$13.74	2.7	38.1	\$13.98	2.0	40.0	—	—	—
Weighers, measurers, checkers, and samplers	18.50	8.4	39.8	18.56	8.4	40.0	—	—	—
Expeditors	12.56	10.8	38.0	13.07	9.9	40.0	—	—	—
Material recording, scheduling, and distribution clerks, n.e.c.	15.23	8.7	39.6	15.35	8.6	40.1	—	—	—
Insurance adjusters, examiners, and investigators	16.57	13.5	36.4	17.12	12.9	38.9	—	—	—
Investigators and adjusters, except insurance ...	12.41	5.8	39.0	12.47	5.8	39.6	\$9.48	9.2	22.9
Eligibility clerks, social welfare	10.56	3.9	38.3	10.62	4.0	40.0	—	—	—
Bill and account collectors	11.64	5.9	38.6	11.73	6.0	39.0	—	—	—
General office clerks	10.30	2.8	33.7	10.63	3.2	39.1	8.64	4.1	19.9
Bank tellers	8.92	2.2	32.8	9.28	2.7	39.4	7.76	2.9	21.3
Data entry keyers	11.66	6.9	36.6	11.58	7.3	39.6	12.51	21.2	19.7
Statistical clerks	11.56	5.6	37.4	11.46	5.9	39.7	—	—	—
Teachers' aides	9.91	21.9	26.3	—	—	—	7.21	4.9	22.6
Administrative support, n.e.c.	11.78	3.4	35.9	12.13	3.7	39.6	9.39	7.9	21.9
Blue collar	14.07	2.2	38.1	14.43	2.3	40.0	7.79	3.6	20.8
Precision production, craft, and repair									
Supervisors, mechanics and repairers	23.89	3.9	40.7	23.89	3.9	40.7	—	—	—
Automobile mechanics	14.68	10.6	40.3	14.68	10.6	40.3	—	—	—
Bus, truck, and stationary engine mechanics	17.18	3.2	40.1	17.18	3.2	40.1	—	—	—
Automobile body and related repairers	21.08	13.0	42.4	21.08	13.0	42.4	—	—	—
Aircraft mechanics, except engine	21.68	1.8	40.0	21.68	1.8	40.0	—	—	—
Heavy equipment mechanics	17.29	9.3	40.0	17.29	9.3	40.0	—	—	—
Industrial machinery repairers	18.39	3.2	39.9	18.40	3.2	40.0	—	—	—
Machinery maintenance	14.76	4.0	39.7	14.79	4.0	40.0	—	—	—
Electronic repairers, communications and industrial equipment	15.16	5.5	40.0	15.16	5.5	40.0	—	—	—
Data processing equipment repairers	13.81	8.4	30.0	13.97	13.1	39.9	—	—	—
Telephone line installers and repairers	20.55	7.9	40.0	20.55	7.9	40.0	—	—	—
Telephone installers and repairers	15.12	8.9	40.0	15.12	8.9	40.0	—	—	—
Heating, air conditioning, and refrigeration mechanics	14.33	14.3	40.0	14.33	14.3	40.0	—	—	—
Office machine repairers	15.58	8.1	40.0	15.58	8.1	40.0	—	—	—
Millwrights	19.04	8.1	40.3	19.04	8.1	40.3	—	—	—
Mechanics and repairers, n.e.c.	16.83	4.8	40.0	16.84	4.8	40.0	—	—	—
Supervisors, carpenters and related workers	24.80	10.3	40.0	24.80	10.3	40.0	—	—	—
Supervisors, electricians and power transmission installers	27.46	3.2	40.2	27.46	3.2	40.2	—	—	—
Supervisors, plumbers, pipefitters, and steamfitters	31.43	3.1	40.0	31.43	3.1	40.0	—	—	—
Supervisors, construction trades, n.e.c.	22.85	9.7	40.0	22.85	9.7	40.0	—	—	—
Brickmasons and stonemasons	25.34	7.2	39.3	25.34	7.2	39.3	—	—	—
Carpenters	19.67	10.0	40.5	19.67	10.0	40.5	—	—	—
Electricians	20.80	5.3	40.1	20.80	5.3	40.1	—	—	—
Electrician apprentices	13.99	8.8	40.0	13.99	8.8	40.0	—	—	—
Electrical power installers and repairers	24.10	3.1	40.0	24.10	3.1	40.0	—	—	—
Painters, construction and maintenance	18.31	6.1	40.0	18.31	6.1	40.0	—	—	—
Plumbers, pipefitters and steamfitters	22.72	4.1	40.0	22.72	4.1	40.0	—	—	—
Construction trades, n.e.c.	22.14	10.8	37.3	22.14	10.8	37.3	—	—	—
Supervisors, production	19.60	5.0	40.5	19.60	5.0	40.5	—	—	—
Tool and die makers	20.99	3.3	40.1	20.99	3.3	40.1	—	—	—
Tool and die maker apprentices	17.94	11.9	39.5	17.94	11.9	39.5	—	—	—
Precision assemblers, metal	18.06	6.1	40.0	18.06	6.1	40.0	—	—	—
Machinists	16.94	5.4	38.7	17.18	5.4	40.1	—	—	—
Precision grinders, filers, and tool sharpeners ...	16.64	10.9	40.0	16.64	10.9	40.0	—	—	—
Patternmakers and modelmakers, metal	20.29	10.7	40.0	20.29	10.7	40.0	—	—	—
Sheet metal workers	22.68	9.8	40.0	22.68	9.8	40.0	—	—	—

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 1999—Continued

Occupation ⁴	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
Blue collar—Continued									
Precision production, craft, and repair—Continued									
Dental laboratory and medical appliance technicians	\$14.20	1.3	39.0	\$14.20	1.3	39.0	—	—	—
Bookbinders	12.72	8.0	39.6	12.72	8.0	39.6	—	—	—
Electrical and electronic equipment assemblers	9.85	12.3	39.8	9.86	12.4	40.0	—	—	—
Miscellaneous precision workers, n.e.c.	15.81	4.1	40.0	15.81	4.1	40.0	—	—	—
Butchers and meat cutters	10.37	17.3	39.2	10.39	17.5	40.0	—	—	—
Bakers	9.33	6.8	30.8	9.86	7.9	39.7	—	—	—
Food batchmakers	14.37	5.4	40.0	14.37	5.4	40.0	—	—	—
Inspectors, testers, and graders	17.49	5.8	40.1	17.49	5.8	40.1	—	—	—
Precision inspectors, testers, and related workers, n.e.c.	18.39	17.7	40.0	18.39	17.7	40.0	—	—	—
Stationary engineers	21.59	5.7	39.6	21.62	5.7	40.0	—	—	—
Miscellaneous plant and system operators, n.e.c.	18.41	2.6	40.0	18.41	2.6	40.0	—	—	—
Machine operators, assemblers, and inspectors	12.86	2.6	39.7	12.95	2.7	39.9	\$7.66	2.8	29.0
Lathe and turning machine set-up operators	15.35	4.2	40.0	15.35	4.2	40.0	—	—	—
Lathe and turning machine operators	13.34	8.3	40.0	13.34	8.3	40.0	—	—	—
Punching and stamping press operators	13.44	4.7	39.9	13.46	4.7	40.0	—	—	—
Rolling machine operators	14.28	8.4	41.4	14.28	8.4	41.4	—	—	—
Drilling and boring machine operators	13.62	5.2	40.0	13.62	5.2	40.0	—	—	—
Grinding, abrading, buffing, and polishing machine operators	12.96	4.1	39.8	13.01	4.1	39.9	—	—	—
Forging machine operators	13.63	7.5	40.0	13.63	7.5	40.0	—	—	—
Numerical control machine operators	13.95	5.6	40.0	13.95	5.6	40.0	—	—	—
Fabricating machine operators, n.e.c.	14.61	4.5	39.9	14.61	4.5	39.9	—	—	—
Molding and casting machine operators	10.40	3.5	39.8	10.41	3.5	39.9	—	—	—
Metal plating machine operators	13.37	7.2	38.7	13.37	7.2	38.7	—	—	—
Shaping and jointing machine operators	11.76	6.5	40.0	11.76	6.5	40.0	—	—	—
Printing press operators	13.32	4.1	39.7	13.34	4.2	39.8	—	—	—
Photoengravers and lithographers	17.18	5.1	39.1	17.18	5.1	39.1	—	—	—
Typesetters and compositors	12.54	11.1	40.1	12.54	11.1	40.1	—	—	—
Textile sewing machine operators	9.51	13.8	39.6	9.51	14.0	40.0	—	—	—
Laundering and dry cleaning machine operators	7.32	2.8	36.4	7.28	2.9	37.2	7.94	17.6	26.4
Packaging and filling machine operators	13.11	6.0	39.4	13.20	5.8	40.3	—	—	—
Extruding and forming machine operators	12.07	8.4	40.0	12.07	8.4	40.0	—	—	—
Mixing and blending machine operators	14.12	8.0	40.7	14.12	8.1	40.8	—	—	—
Separating, filtering, and clarifying machine operators	15.61	5.7	40.2	15.61	5.7	40.2	—	—	—
Compressing and compacting machine operators	11.12	5.8	40.0	11.12	5.8	40.0	—	—	—
Painting and paint spraying machine operators	11.90	6.7	39.8	11.90	6.7	39.8	—	—	—
Washing, cleaning, and pickling machine operators	14.51	10.8	40.0	14.51	10.8	40.0	—	—	—
Furnace, kiln, and oven operators, except food	14.10	12.1	40.0	14.10	12.1	40.0	—	—	—
Crushing and grinding machine operators	13.40	10.9	40.0	13.40	10.9	40.0	—	—	—
Slicing and cutting machine operators	13.70	5.0	40.0	13.70	5.0	40.0	—	—	—
Photographic process machine operators	10.72	13.3	35.0	11.55	12.8	40.0	—	—	—
Miscellaneous machine operators, n.e.c.	12.59	4.8	39.8	12.62	4.9	39.9	8.31	4.2	32.6
Welders and cutters	15.03	3.2	40.0	15.04	3.2	40.0	—	—	—
Solders and braziers	13.21	5.7	40.0	13.21	5.7	40.0	—	—	—
Assemblers	13.26	5.3	39.2	13.58	5.2	39.9	7.40	1.3	30.0
Hand molding, casting, and forming	11.57	1.6	40.0	11.57	1.6	40.0	—	—	—
Hand painting, coating, and decorating	10.13	12.1	40.0	10.13	12.1	40.0	—	—	—
Hand engraving and printing	9.15	5.2	40.0	9.15	5.2	40.0	—	—	—
Miscellaneous hand working, n.e.c.	12.30	7.2	39.8	12.38	7.1	40.0	—	—	—
Production inspectors, checkers and examiners	12.00	6.0	40.0	12.01	6.0	40.0	—	—	—
Production testers	14.38	8.2	40.0	14.38	8.2	40.0	—	—	—
Graders and sorters, except agricultural	9.92	6.2	40.0	9.92	6.2	40.0	—	—	—
Transportation and material moving	13.54	5.3	36.9	14.14	5.5	40.4	8.15	12.6	20.6

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 1999—Continued

Occupation ⁴	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
Blue collar—Continued									
Transportation and material moving—Continued									
Truck drivers	\$14.57	4.2	40.0	\$14.62	4.3	41.0	\$12.14	7.0	18.0
Driver-sales workers	10.86	16.6	28.9	14.68	11.5	41.7	6.21	15.0	21.0
Bus drivers	10.35	13.2	29.8	—	—	—	12.36	12.7	22.0
Taxicab drivers and chauffeurs	8.50	13.4	29.8	10.94	14.0	40.0	6.08	3.8	23.8
Parking lot attendants	7.67	10.3	33.9	—	—	—	—	—	—
Motor transportation, n.e.c.	6.72	6.1	19.9	7.30	12.1	34.3	6.04	1.2	13.2
Supervisors, material moving equipment	17.51	5.8	40.3	17.51	5.8	40.3	—	—	—
Crane and tower operators	14.54	4.4	40.4	14.54	4.4	40.4	—	—	—
Excavating and loading machine operators	16.07	4.2	40.0	16.07	4.2	40.0	—	—	—
Grader, dozer, and scraper operators	17.64	10.2	40.2	17.64	10.2	40.2	—	—	—
Industrial truck and tractor equipment operators	13.54	4.5	39.7	13.58	4.5	39.9	—	—	—
Miscellaneous material moving equipment operators, n.e.c.	13.75	6.8	38.3	13.86	7.1	40.1	—	—	—
Handlers, equipment cleaners, helpers, and laborers									
Groundskeepers and gardeners, except farm ...	11.21	8.8	38.1	11.46	8.3	40.0	7.48	3.7	21.9
Supervisors, handlers, equipment cleaners, and laborers, n.e.c.	13.24	6.9	39.9	13.27	7.0	40.1	—	—	—
Construction laborers	16.66	11.0	38.5	16.89	10.9	39.8	—	—	—
Production helpers	10.04	5.6	39.6	10.08	5.6	40.0	—	—	—
Stock handlers and baggers	9.14	4.4	28.8	10.36	5.4	39.6	7.04	5.1	19.6
Machine feeders and offbearers	9.81	4.0	39.5	9.96	3.9	39.9	—	—	—
Freight, stock, and material handlers, n.e.c.	13.47	7.2	31.5	14.52	6.7	39.5	9.78	3.9	18.5
Garage and service station related	8.30	17.7	34.0	—	—	—	—	—	—
Vehicle washers and equipment cleaners	9.27	9.4	34.4	9.62	10.5	39.7	—	—	—
Hand packers and packagers	9.21	4.7	38.9	9.27	4.8	39.9	7.50	6.8	21.9
Laborers, except construction, n.e.c.	10.23	5.2	33.8	10.91	5.9	40.0	7.32	5.0	20.5
Service									
Protective service	8.55	4.7	31.6	8.75	5.2	39.5	7.86	5.3	19.0
Supervisors, guards	13.96	10.4	37.1	14.26	9.7	39.7	—	—	—
Guards and police, except public service	8.18	4.5	32.1	8.21	4.6	39.5	8.05	6.7	18.5
Protective service, n.e.c.	7.19	6.3	22.8	—	—	—	7.12	7.0	21.6
Food service	6.32	2.6	26.9	7.04	4.5	38.9	5.41	3.2	19.4
Waiters, waitresses, and bartenders	4.42	6.2	25.1	4.66	8.7	38.3	4.13	4.7	17.5
Bartenders	6.39	3.3	23.7	6.36	4.4	39.1	6.45	3.4	13.3
Waiters and waitresses	3.21	3.9	25.9	3.20	6.5	37.6	3.21	4.1	19.7
Waiters'/Waitresses' assistants	5.78	7.2	24.5	—	—	—	5.05	6.4	16.9
Other food service	7.59	2.5	28.2	8.64	2.7	39.3	6.27	3.1	20.9
Supervisors, food preparation and service	9.68	7.3	36.8	10.35	5.4	40.5	—	—	—
Cooks	8.32	2.5	32.2	8.86	1.5	38.9	6.82	4.4	21.7
Kitchen workers, food preparation	6.95	3.8	26.9	7.28	8.0	39.1	6.64	1.8	20.6
Food preparation, n.e.c.	6.61	2.6	25.2	7.26	3.3	38.7	6.29	3.0	21.6
Health service	8.77	1.2	33.9	8.83	1.5	38.5	8.47	1.7	20.9
Dental assistants	9.29	6.5	38.2	9.29	6.5	38.2	—	—	—
Health aides, except nursing	9.26	2.4	33.5	9.37	3.0	38.0	8.45	4.6	17.7
Nursing aides, orderlies and attendants	8.52	1.1	33.3	8.53	1.2	38.7	8.48	1.8	21.6
Cleaning and building service	8.59	3.3	30.7	9.00	4.6	38.4	6.75	3.2	16.2
Maids and housemen	7.05	2.2	30.7	7.04	2.4	34.5	7.05	4.0	21.8
Janitors and cleaners	8.60	4.2	29.3	9.13	5.7	38.8	6.69	3.3	15.6

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 1999—Continued

Occupation ⁴	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
Service —Continued									
Personal service	\$8.62	6.0	27.2	\$9.99	5.1	36.9	\$6.81	6.6	20.2
Ushers	5.98	1.6	14.0	—	—	—	5.98	1.6	14.0
Baggage porters and bellhops	6.01	8.6	34.9	6.04	10.5	40.0	—	—	—
Welfare service aides	7.20	4.7	28.5	7.47	4.9	38.6	6.70	7.0	19.3
Early childhood teachers' assistants	6.59	6.1	26.3	7.28	3.9	38.3	6.22	6.1	22.5
Child care workers, n.e.c.	8.29	4.2	27.5	8.88	5.6	38.6	6.61	4.9	15.0
Service, n.e.c.	8.61	3.3	25.2	9.42	3.6	38.5	7.54	5.8	17.3

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

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

³ In this census division, collection was conducted between November 1998 and April

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

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 1999

Occupation ⁴	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
All	\$20.32	2.1	36.0	\$20.79	2.2	38.5	\$12.95	3.1	17.6
All, excluding sales	20.33	2.1	36.0	20.79	2.2	38.5	12.98	3.1	17.6
White collar	23.30	2.1	35.8	23.70	2.2	37.8	15.63	3.7	17.6
White collar, excluding sales	23.32	2.1	35.8	23.70	2.2	37.8	15.73	3.7	17.6
Professional specialty and technical	27.95	2.1	35.0	28.42	2.1	37.2	19.26	3.4	16.7
Professional specialty	29.10	2.2	34.8	29.61	2.2	37.0	19.70	3.4	16.4
Engineers, architects, and surveyors	25.46	2.8	39.6	25.46	2.8	39.6	-	-	-
Civil engineers	26.84	6.1	38.9	26.84	6.1	38.9	-	-	-
Mathematical and computer scientists	21.48	2.0	38.5	21.48	2.0	38.5	-	-	-
Computer systems analysts and scientists	21.48	2.0	38.5	21.48	2.0	38.5	-	-	-
Natural scientists	16.36	11.3	38.8	16.41	11.4	39.3	-	-	-
Health related	25.84	9.4	36.5	26.24	9.9	39.2	21.01	5.6	20.2
Physicians	38.13	15.3	40.9	38.13	15.3	40.9	-	-	-
Registered nurses	21.81	4.2	35.9	21.76	4.7	38.5	22.26	5.4	21.2
Speech therapists	34.39	11.1	33.8	36.64	10.9	36.8	-	-	-
Therapists, n.e.c.	17.19	10.6	36.9	17.38	11.3	38.8	-	-	-
Teachers, college and university	38.25	3.5	34.5	39.10	3.6	38.1	25.69	6.7	14.5
Social science teachers, n.e.c.	37.32	.4	39.9	37.32	.4	39.9	-	-	-
Engineering teachers	56.05	18.9	38.7	-	-	-	-	-	-
Mathematical science teachers	43.37	2.6	35.5	-	-	-	-	-	-
Health specialties teachers	30.05	11.8	35.4	30.07	12.0	37.7	28.84	10.5	8.9
Business, commerce, and marketing teachers ..	35.82	15.4	28.0	36.24	18.0	37.5	-	-	-
Art, drama, and music teachers	26.84	13.9	38.0	26.75	13.9	38.6	-	-	-
English teachers	38.88	20.8	37.8	39.04	20.9	38.9	-	-	-
Other post-secondary teachers	34.58	8.0	26.6	38.56	6.6	35.9	25.32	7.8	16.7
Teachers, except college and university	30.04	2.2	33.6	30.71	2.3	35.7	18.25	6.4	16.6
Prekindergarten and kindergarten	26.44	9.3	34.5	26.58	9.7	36.6	-	-	-
Elementary school teachers	31.17	2.7	34.9	31.33	2.7	35.4	24.96	12.8	21.6
Secondary school teachers	31.61	3.2	35.8	31.63	3.3	36.2	29.97	19.1	15.8
Teachers, special education	29.44	5.2	35.5	29.58	5.3	36.2	-	-	-
Teachers, n.e.c.	30.06	6.6	31.2	31.12	6.7	34.9	18.79	6.9	14.8
Substitute teachers	12.22	7.2	15.6	-	-	-	11.37	5.2	14.4
Vocational and educational counselors	23.11	10.7	35.4	23.61	12.3	37.9	-	-	-
Librarians, archivists, and curators	20.36	7.2	36.0	20.46	7.7	38.3	18.94	10.7	19.3
Librarians	21.89	4.3	36.4	22.12	4.6	38.9	18.68	13.4	19.1
Social scientists and urban planners	23.29	20.7	35.4	23.33	21.1	38.9	-	-	-
Psychologists	32.67	8.9	38.0	32.89	9.6	38.0	-	-	-
Urban planners	19.60	6.7	19.1	19.92	6.9	39.7	-	-	-
Social, recreation, and religious workers	18.23	4.8	37.3	18.38	5.0	38.8	12.97	12.3	16.3
Social workers	18.62	4.9	38.3	18.67	5.0	38.8	-	-	-
Recreation workers	13.31	13.7	28.2	-	-	-	10.39	18.1	13.4
Lawyers and judges	37.35	23.2	36.3	37.99	23.2	38.3	-	-	-
Lawyers	37.67	24.2	36.8	38.32	24.1	38.2	-	-	-
Writers, authors, entertainers, athletes, and professionals, n.e.c.	30.32	9.6	35.3	30.66	9.4	39.9	11.00	8.4	4.8
Public relations specialists	22.36	6.9	21.1	22.92	6.0	39.8	-	-	-
Athletes	33.91	4.0	37.2	-	-	-	-	-	-
Professional, n.e.c.	27.36	17.9	40.0	27.36	17.9	40.0	-	-	-
Technical	15.62	5.3	38.2	15.70	5.5	39.6	13.76	3.9	21.9
Clinical laboratory technologists and technicians	10.52	4.5	39.6	-	-	-	-	-	-
Radiological technicians	15.39	5.8	32.5	-	-	-	-	-	-
Licensed practical nurses	14.52	7.2	37.8	14.55	8.1	40.0	14.26	2.3	25.6
Health technologists and technicians, n.e.c.	13.71	10.4	39.3	13.72	10.6	40.2	-	-	-
Engineering technicians, n.e.c.	19.52	5.3	36.7	19.76	5.2	38.3	-	-	-
Surveying and mapping technicians	13.93	9.6	37.9	13.93	9.6	37.9	-	-	-
Computer programmers	20.23	7.1	39.6	20.23	7.1	39.6	-	-	-
Technical and related, n.e.c.	16.74	13.0	38.5	16.82	13.3	39.4	13.58	16.5	18.8
Executive, administrative, and managerial	28.23	6.6	38.0	28.28	6.6	39.3	22.57	17.3	7.5
Executives, administrators, and managers	32.92	7.2	37.2	33.01	7.2	39.3	23.51	24.6	5.7
Legislators	19.83	23.6	4.9	-	-	-	19.19	27.7	4.2

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 1999–Continued

Occupation ⁴	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar –Continued									
Executive, administrative, and managerial –Continued									
Executives, administrators, and managers –Continued									
Administrators and officials, public administration	\$27.68	4.5	39.3	\$27.69	4.5	39.5	–	–	–
Financial managers	26.12	4.9	39.6	26.12	4.9	39.6	–	–	–
Administrators, education and related fields	38.19	4.2	38.7	38.14	4.2	38.9	–	–	–
Managers, medicine and health	47.36	15.1	38.4	47.36	15.1	38.4	–	–	–
Managers, service organizations, n.e.c.	24.56	17.2	39.1	24.78	17.2	39.1	–	–	–
Managers and administrators, n.e.c.	27.69	6.1	40.2	27.69	6.1	40.2	–	–	–
Management related	20.64	3.0	39.2	20.64	3.0	39.5	–	–	–
Accountants and auditors	21.18	6.1	38.7	21.18	6.1	38.7	–	–	–
Other financial officers	22.25	6.9	40.0	22.25	6.9	40.0	–	–	–
Personnel, training, and labor relations specialists	19.99	5.8	38.4	20.06	5.9	39.3	–	–	–
Construction inspectors	20.41	8.2	39.3	20.41	8.2	39.5	–	–	–
Inspectors and compliance officers, except construction	18.54	1.9	39.5	18.54	1.9	39.5	–	–	–
Management related, n.e.c.	21.76	5.0	39.3	21.75	5.2	39.8	–	–	–
Sales	14.38	8.4	29.3	17.27	2.2	40.0	\$8.72	17.3	19.3
Cashiers	11.98	14.2	24.7	–	–	–	8.79	17.5	19.8
Administrative support, including clerical	12.40	2.0	36.6	12.57	2.2	38.4	9.65	2.5	21.1
Supervisors, general office	15.47	8.2	38.5	15.47	8.2	38.5	–	–	–
Supervisors, distribution, scheduling, and adjusting clerks	19.78	10.4	38.5	19.78	10.4	38.5	–	–	–
Computer operators	15.99	10.9	38.2	16.00	10.9	38.4	–	–	–
Secretaries	12.40	2.9	38.0	12.46	3.0	38.9	10.69	5.6	21.3
Stenographers	14.16	4.6	37.7	14.16	4.6	37.7	–	–	–
Typists	11.87	5.6	37.8	11.99	5.9	38.4	–	–	–
Interviewers	10.19	3.2	28.5	–	–	–	–	–	–
Receptionists	13.35	5.9	33.0	–	–	–	8.74	6.1	16.3
Information clerks, n.e.c.	13.88	7.1	37.1	–	–	–	–	–	–
Personnel clerks, except payroll and timekeeping	13.20	15.9	38.3	13.20	15.9	38.3	–	–	–
Library clerks	9.69	6.4	26.6	10.22	9.4	37.5	8.50	6.8	16.1
Records clerks, n.e.c.	12.96	9.3	38.0	12.98	9.4	38.3	–	–	–
Bookkeepers, accounting and auditing clerks ...	12.48	4.9	38.6	12.48	4.9	38.9	–	–	–
Payroll and timekeeping clerks	16.95	13.2	38.5	16.95	13.2	38.5	–	–	–
Billing clerks	11.90	4.6	39.9	11.90	4.6	39.9	–	–	–
Dispatchers	12.73	7.5	37.8	13.08	8.3	39.9	9.39	14.2	25.1
Stock and inventory clerks	12.74	2.6	37.7	12.79	2.7	37.8	–	–	–
Investigators and adjusters, except insurance ...	15.36	4.1	36.2	15.59	4.2	40.0	–	–	–
Eligibility clerks, social welfare	14.41	4.4	38.4	14.89	3.4	40.0	–	–	–
General office clerks	12.45	2.2	37.5	12.59	2.3	39.1	9.70	4.9	21.1
Data entry keyers	11.88	4.1	38.3	11.88	4.1	38.3	–	–	–
Teachers' aides	9.87	3.8	32.1	9.94	4.6	34.5	9.49	4.5	23.3
Administrative support, n.e.c.	12.39	3.8	36.0	12.71	3.9	38.3	9.35	8.7	23.1
Blue collar	16.03	1.9	36.8	16.41	2.1	39.2	11.78	2.5	21.6
Precision production, craft, and repair	17.98	2.8	39.6	18.00	2.8	39.8	–	–	–
Supervisors, mechanics and repairers	20.33	9.6	39.9	20.33	9.6	39.9	–	–	–
Automobile mechanics	17.08	3.7	40.0	17.08	3.7	40.0	–	–	–
Bus, truck, and stationary engine mechanics	16.62	4.1	40.1	16.62	4.1	40.1	–	–	–
Heavy equipment mechanics	15.40	12.0	39.9	15.40	12.0	39.9	–	–	–
Heating, air conditioning, and refrigeration mechanics	16.24	3.9	38.9	–	–	–	–	–	–
Mechanical controls and valve repairers	16.37	6.7	36.6	17.10	5.2	40.0	–	–	–
Mechanics and repairers, n.e.c.	16.34	3.6	40.0	16.34	3.6	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 1999–Continued

Occupation ⁴	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
Blue collar –Continued									
Precision production, craft, and repair –Continued									
Supervisors, construction trades, n.e.c.	\$18.76	7.0	39.9	\$18.76	7.0	39.9	–	–	–
Carpenters	17.97	18.1	40.0	17.97	18.1	40.0	–	–	–
Electricians	25.14	7.5	39.9	25.14	7.5	39.9	–	–	–
Painters, construction and maintenance	18.73	7.2	39.9	18.73	7.2	39.9	–	–	–
Plumbers, pipefitters and steamfitters	18.42	8.4	39.6	18.42	8.4	39.6	–	–	–
Construction trades, n.e.c.	15.09	5.8	39.4	15.09	5.8	39.4	–	–	–
Water and sewer treatment plant operators	16.44	3.5	40.0	16.44	3.5	40.0	–	–	–
Stationary engineers	23.00	9.0	39.4	23.00	9.0	39.4	–	–	–
Machine operators, assemblers, and inspectors	12.36	11.0	39.8	12.38	11.0	40.0	–	–	–
Laundry and dry cleaning machine operators	9.83	4.1	40.0	9.83	4.1	40.0	–	–	–
Transportation and material moving	14.97	2.7	32.0	15.65	3.1	37.8	\$12.65	3.1	21.0
Supervisors, motor vehicle operators	22.34	3.3	40.0	22.34	3.3	40.0	–	–	–
Truck drivers	15.75	6.8	38.9	15.95	6.7	40.0	–	–	–
Bus drivers	14.08	2.4	27.8	14.96	3.1	35.3	12.75	3.2	21.0
Operating engineers	17.88	8.8	39.9	17.88	8.8	39.9	–	–	–
Miscellaneous material moving equipment operators, n.e.c.	14.58	10.0	40.0	14.58	10.0	40.0	–	–	–
Handlers, equipment cleaners, helpers, and laborers	13.83	4.3	38.1	14.24	4.6	39.5	7.80	3.1	25.3
Supervisors, agriculture-related workers	18.23	12.5	40.0	18.23	12.5	40.0	–	–	–
Groundskeepers and gardeners, except farm ...	12.78	5.1	35.9	13.73	4.8	39.3	7.56	2.9	24.4
Helpers, mechanics and repairers	14.67	7.7	36.2	15.13	5.8	40.0	–	–	–
Construction laborers	13.96	7.9	38.9	13.99	8.0	40.0	–	–	–
Laborers, except construction, n.e.c.	12.66	8.6	39.1	12.91	8.9	40.0	7.23	3.6	26.3
Service	14.47	2.8	35.9	14.93	3.2	40.0	8.99	2.7	16.0
Protective service	18.39	1.8	39.2	18.63	1.8	41.6	10.40	6.2	13.6
Supervisors, firefighters and fire prevention	19.23	4.1	50.1	19.23	4.1	50.1	–	–	–
Supervisors, police and detectives	25.23	8.4	40.1	25.23	8.4	40.1	–	–	–
Firefighting	17.65	4.1	45.2	17.81	4.0	50.0	11.06	5.8	9.0
Police and detectives, public service	20.44	2.0	38.8	20.52	2.1	39.9	13.74	9.4	11.3
Sheriffs, bailiffs, and other law enforcement officers	15.45	4.2	39.7	15.46	4.2	39.8	–	–	–
Correctional institution officers	15.19	4.0	38.6	15.31	3.8	39.3	–	–	–
Crossing guards	7.89	11.6	14.3	–	–	–	7.89	11.6	14.3
Guards and police, except public service	14.43	7.2	29.6	14.80	8.0	38.1	13.06	12.9	16.2
Protective service, n.e.c.	12.71	14.7	30.5	13.90	15.4	39.2	7.50	10.4	15.4
Food service	9.73	2.9	29.9	10.13	3.7	35.8	8.21	5.4	18.3
Other food service	9.75	2.9	30.0	10.13	3.7	35.8	8.29	5.4	18.3
Supervisors, food preparation and service	10.86	9.0	34.2	10.85	9.4	35.1	–	–	–
Cooks	10.21	2.1	33.5	10.49	3.6	35.4	6.85	19.6	20.5
Kitchen workers, food preparation	7.70	2.3	31.8	–	–	–	–	–	–
Food preparation, n.e.c.	9.44	4.1	25.3	9.97	4.9	36.5	8.73	4.4	17.9
Health service	11.32	5.5	36.5	11.33	5.9	38.7	11.16	3.2	20.1
Health aides, except nursing	12.85	1.7	33.1	13.04	1.8	38.5	11.92	2.5	19.7
Nursing aides, orderlies and attendants	10.74	6.8	38.0	10.78	7.0	38.8	9.19	3.8	21.2
Cleaning and building service	11.69	3.1	38.5	11.80	3.3	39.6	8.66	4.7	21.6
Supervisors, cleaning and building service workers	15.35	11.7	39.7	15.35	11.7	39.7	–	–	–
Maids and housemen	8.35	5.8	30.4	–	–	–	–	–	–
Janitors and cleaners	11.52	3.0	38.5	11.63	3.2	39.6	8.67	4.8	22.0
Personal service	10.42	7.8	25.8	11.23	9.6	37.8	8.39	3.5	14.3
Attendants, amusement, and recreation facilities	6.82	4.8	21.2	–	–	–	7.37	3.3	17.4
Welfare service aides	8.71	22.1	33.6	–	–	–	–	–	–
Early childhood teachers' assistants	9.50	2.5	30.6	9.45	2.8	36.6	9.66	4.1	20.1
Child care workers, n.e.c.	10.70	6.6	21.4	12.59	7.1	39.3	7.80	5.2	12.6

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 1999–Continued

Occupation ⁴	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
Service –Continued									
Personal service –Continued									
Service, n.e.c.	\$12.28	12.0	25.1	\$13.01	12.3	37.6	\$8.63	9.9	9.4

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, collection was conducted between November 1998 and April

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

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 1999

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	\$15.55	1.8	35.6	\$14.82	2.0	35.5	\$20.32	2.1	36.0
All, excluding sales	15.69	1.6	35.8	14.90	1.8	35.8	20.33	2.1	36.0
White collar	18.66	2.1	35.6	17.64	2.6	35.6	23.30	2.1	35.8
1	6.87	1.3	26.1	6.83	1.3	26.1	7.96	4.7	24.3
2	8.04	2.5	29.2	7.91	2.5	29.1	9.84	5.0	30.7
3	9.40	1.5	32.0	9.24	1.5	31.7	11.08	2.1	35.1
4	11.73	1.7	36.4	11.70	1.9	36.2	11.91	3.4	37.4
5	13.61	2.0	37.7	13.62	2.0	38.2	13.54	4.1	34.8
6	15.94	2.3	36.6	15.74	2.5	36.6	16.90	8.2	36.7
7	18.50	2.0	37.1	18.09	2.1	37.2	20.23	3.9	36.6
8	22.25	2.8	37.3	21.15	3.2	38.1	25.97	5.1	34.9
9	25.55	1.2	37.6	23.81	2.0	38.7	29.13	2.0	35.5
10	29.44	4.3	39.3	29.89	4.4	39.9	25.52	4.6	34.9
11	32.60	3.0	39.2	32.72	3.4	39.4	31.84	3.8	38.3
12	36.93	2.1	40.2	36.87	1.7	40.7	37.19	6.4	38.6
13	48.16	4.2	39.7	50.02	4.2	40.4	46.00	7.0	39.0
14	56.79	4.8	40.6	56.95	5.4	41.2	55.57	10.3	36.7
15	70.56	9.7	40.2	82.63	10.0	42.5	-	-	-
Not able to be leveled	22.37	7.0	32.6	20.23	8.7	32.6	28.76	7.4	32.6
White collar, excluding sales	19.67	1.7	36.3	18.65	1.9	36.4	23.32	2.1	35.8
1	7.70	3.2	27.0	7.63	3.6	27.5	8.04	5.0	24.8
2	8.70	1.9	30.2	8.56	1.7	30.2	9.84	5.0	30.7
3	9.85	1.3	34.8	9.68	1.4	34.7	11.03	2.0	35.2
4	11.72	1.5	36.0	11.68	1.6	35.7	11.91	3.4	37.4
5	13.64	1.9	37.0	13.66	2.0	37.5	13.54	4.1	34.8
6	15.50	2.3	36.2	15.14	2.2	36.0	16.90	8.2	36.7
7	18.25	2.1	36.7	17.73	2.1	36.8	20.23	3.9	36.6
8	21.87	3.0	36.3	20.28	2.7	36.9	26.03	5.1	34.8
9	25.38	1.2	37.4	23.38	1.9	38.5	29.13	2.0	35.5
10	27.47	2.6	37.7	27.83	2.9	38.2	25.52	4.6	34.9
11	32.42	3.1	39.2	32.52	3.5	39.3	31.84	3.8	38.3
12	36.60	2.1	40.2	36.44	1.5	40.7	37.19	6.4	38.6
13	48.16	4.2	39.7	50.02	4.2	40.4	46.00	7.0	39.0
14	56.79	4.8	40.6	56.95	5.4	41.2	55.57	10.3	36.7
15	70.56	9.7	40.2	82.63	10.0	42.5	-	-	-
Not able to be leveled	22.51	7.2	32.6	20.30	9.1	32.6	28.76	7.4	32.6
Professional specialty and technical	24.05	1.8	35.5	22.24	2.6	35.8	27.95	2.1	35.0
Professional specialty	25.71	2.0	35.5	23.72	3.1	36.0	29.10	2.2	34.8
4	10.22	7.9	23.6	11.32	8.9	25.0	8.41	4.8	21.6
5	11.91	7.0	34.2	11.04	6.9	38.0	13.37	9.7	29.2
6	17.57	6.5	35.3	14.69	5.6	36.7	24.61	9.9	32.4
7	19.02	4.6	33.8	17.52	4.7	33.2	22.32	5.6	35.3
8	22.99	3.6	34.2	19.89	2.0	34.7	27.85	5.9	33.5
9	26.35	1.6	35.8	23.08	2.5	36.6	29.91	2.0	35.0
10	26.20	3.2	37.6	26.60	3.2	38.8	24.60	7.3	33.5
11	33.01	4.2	38.9	33.49	4.5	39.3	30.67	5.6	37.4
12	36.02	3.8	39.7	36.17	2.9	40.1	35.58	9.0	38.3
13	46.19	5.0	39.1	50.18	9.2	39.3	44.77	6.3	39.0
14	57.65	8.7	40.8	56.54	10.3	42.2	-	-	-
15	61.26	6.6	40.7	-	-	-	-	-	-
Not able to be leveled	21.34	9.2	31.9	18.12	10.6	30.1	29.76	8.4	37.8
Engineers, architects, and surveyors	28.22	5.4	40.5	28.35	5.6	40.5	25.46	2.8	39.6
7	19.01	4.0	39.2	19.00	4.0	39.2	-	-	-
8	22.41	3.7	40.2	22.29	3.9	40.2	-	-	-
9	25.51	4.2	40.1	25.60	4.4	40.1	23.55	7.4	39.5
10	27.44	4.2	40.4	27.26	4.2	40.5	-	-	-
11	34.21	6.5	41.8	34.94	5.6	42.0	26.33	2.2	39.6
12	33.60	2.0	40.2	33.60	2.0	40.2	-	-	-
Not able to be leveled	30.61	17.3	40.0	30.61	17.3	40.0	-	-	-
Architects	20.72	4.2	39.1	20.68	4.2	39.1	-	-	-
Metallurgical and materials engineers	30.20	7.9	40.6	30.20	7.9	40.6	-	-	-

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 1999—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									
Chemical engineers									
9	\$24.42	3.0	40.0	\$24.42	3.0	40.0	—	—	—
Civil engineers	20.86	11.9	39.7	—	—	—	\$26.84	6.1	38.9
9	26.68	3.9	40.0	26.21	4.7	40.0	—	—	—
Electrical and electronic engineers	34.28	8.8	42.7	35.42	7.4	43.1	—	—	—
9	25.68	2.5	40.3	25.80	2.7	40.4	—	—	—
10	25.50	7.6	40.5	25.50	7.6	40.5	—	—	—
Industrial engineers	24.52	8.0	40.3	24.52	8.1	40.3	—	—	—
8	21.97	3.5	39.4	21.97	3.5	39.4	—	—	—
9	26.08	1.9	40.3	26.08	1.9	40.3	—	—	—
10	29.28	6.7	42.7	29.28	6.7	42.7	—	—	—
11	28.39	4.9	39.9	28.44	5.0	39.9	—	—	—
12	30.60	5.3	41.3	30.60	5.3	41.3	—	—	—
Mechanical engineers	25.57	7.1	40.2	25.56	7.3	40.2	—	—	—
8	22.35	5.9	40.3	22.35	5.9	40.3	—	—	—
9	23.87	7.1	40.1	23.84	7.7	40.2	—	—	—
10	26.04	5.4	39.8	25.64	5.4	40.0	—	—	—
11	34.74	12.9	40.6	34.74	12.9	40.6	—	—	—
12	33.00	3.3	40.0	33.00	3.3	40.0	—	—	—
Engineers, n.e.c.	30.25	1.8	40.0	30.50	1.7	40.0	—	—	—
7	23.57	5.8	40.0	—	—	—	—	—	—
8	22.93	7.3	40.0	22.93	7.3	40.0	—	—	—
9	25.93	2.5	39.8	26.32	2.1	39.9	—	—	—
10	29.24	3.7	40.0	29.24	3.7	40.0	—	—	—
11	32.12	2.5	40.1	32.12	2.5	40.1	—	—	—
12	34.85	2.8	39.9	34.85	2.8	39.9	—	—	—
Mathematical and computer scientists	27.00	4.5	39.6	27.39	5.2	39.7	21.48	2.0	38.5
6	19.96	7.8	39.9	20.36	7.7	39.9	—	—	—
7	20.83	6.3	39.3	20.48	7.1	39.3	—	—	—
8	19.95	3.0	39.5	19.50	2.9	40.1	—	—	—
9	25.42	7.8	39.6	25.44	7.9	39.6	24.25	5.8	39.8
10	29.48	3.0	40.4	29.46	3.1	40.4	—	—	—
11	33.20	3.8	39.5	33.20	3.8	39.5	—	—	—
12	34.62	3.0	39.9	34.66	3.1	39.9	—	—	—
Computer systems analysts and scientists	26.44	5.2	39.7	26.88	6.2	39.8	21.48	2.0	38.5
7	21.32	7.2	39.4	20.86	8.8	39.5	—	—	—
8	19.92	3.3	39.5	—	—	—	—	—	—
9	24.61	8.1	39.7	24.62	8.3	39.7	24.25	5.8	39.8
10	29.43	3.2	40.5	29.40	3.2	40.5	—	—	—
11	33.45	4.2	39.5	33.45	4.2	39.5	—	—	—
12	33.60	3.7	40.4	33.65	3.8	40.4	—	—	—
Operations and systems researchers and analysts	28.75	4.4	39.4	28.75	4.4	39.4	—	—	—
6	18.06	5.9	39.8	18.06	5.9	39.8	—	—	—
8	20.20	4.6	39.4	20.20	4.6	39.4	—	—	—
9	28.25	5.5	39.1	28.25	5.5	39.1	—	—	—
11	32.53	7.4	39.5	32.53	7.4	39.5	—	—	—
Actuaries	35.26	10.1	37.7	35.26	10.1	37.7	—	—	—
Natural scientists	23.05	6.6	39.3	26.30	4.7	39.6	16.36	11.3	38.8
6	15.57	3.3	40.0	—	—	—	—	—	—
7	20.54	1.9	39.5	20.62	1.9	39.5	—	—	—
8	19.01	13.0	38.4	—	—	—	—	—	—
9	23.65	3.2	39.9	24.45	3.1	39.8	22.06	2.3	40.0
11	31.29	4.9	40.7	31.51	5.0	40.7	—	—	—
12	34.83	8.8	39.3	34.83	8.8	39.3	—	—	—
Chemists, except biochemists	28.81	6.9	40.0	28.83	6.9	40.0	—	—	—
9	24.24	7.1	40.0	24.23	7.2	40.0	—	—	—
11	30.59	6.1	40.0	30.59	6.1	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 1999—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									
Physical scientists, n.e.c.	\$25.05	7.5	39.3	\$29.51	9.1	38.5	—	—	—
Biological and life scientists	23.85	5.1	39.1	24.11	5.2	40.0	—	—	—
Medical scientists	14.32	13.9	37.9	22.65	11.8	31.9	—	—	—
Health related	23.22	3.9	32.9	22.53	3.7	32.1	\$25.84	9.4	36.5
5	13.50	3.7	30.8	14.33	5.8	30.6	—	—	—
6	17.51	2.9	35.0	17.84	3.1	34.3	16.17	6.1	38.4
7	19.22	3.1	29.1	19.50	3.0	27.5	18.14	8.2	37.9
8	20.34	2.4	33.1	19.92	2.1	32.9	23.05	6.6	34.0
9	21.65	2.3	33.6	21.04	2.4	33.0	24.07	4.6	36.1
10	24.51	7.1	35.1	26.77	6.6	36.4	20.11	14.0	32.8
11	27.47	4.1	31.2	27.54	4.5	30.5	26.87	5.6	37.4
12	49.08	13.1	39.8	51.00	12.9	39.7	—	—	—
13	58.85	13.3	37.4	90.39	19.0	29.2	—	—	—
Not able to be leveled	22.40	9.1	40.2	20.97	10.8	40.0	24.51	16.2	40.4
Physicians	44.09	11.9	39.8	50.14	15.9	38.7	38.13	15.3	40.9
12	53.57	13.5	40.2	53.57	13.5	40.2	—	—	—
13	58.85	13.3	37.4	90.39	19.0	29.2	—	—	—
Not able to be leveled	23.16	9.5	40.2	22.03	11.6	40.0	24.51	16.2	40.4
Registered nurses	20.48	1.5	32.1	20.22	1.7	31.4	21.81	4.2	35.9
6	18.17	3.8	36.2	18.16	3.9	36.1	—	—	—
7	19.20	3.3	28.7	19.60	3.3	27.0	17.62	9.0	37.8
8	20.15	2.6	32.8	19.72	2.1	32.7	23.18	7.5	33.7
9	20.59	1.9	32.7	20.14	1.7	32.0	22.52	4.9	36.0
10	24.09	7.5	34.5	23.83	9.6	33.9	—	—	—
11	29.31	5.6	34.7	29.57	6.2	34.2	—	—	—
Pharmacists	28.93	3.5	32.2	29.72	2.6	30.9	—	—	—
9	27.54	6.1	36.2	29.52	3.7	33.3	—	—	—
10	30.68	2.8	40.0	30.68	2.8	40.0	—	—	—
11	28.46	4.1	25.3	28.46	4.1	25.3	—	—	—
Dietitians	17.23	2.6	29.9	16.78	3.4	33.2	—	—	—
7	16.44	5.8	32.2	—	—	—	—	—	—
8	18.51	1.9	38.6	—	—	—	—	—	—
Respiratory therapists	17.17	2.0	33.6	17.09	2.2	32.9	—	—	—
6	17.27	2.0	29.9	17.05	2.2	27.5	—	—	—
7	17.60	1.7	37.6	17.60	1.7	37.6	—	—	—
8	16.29	3.9	39.2	16.29	3.9	39.2	—	—	—
Occupational therapists	23.15	6.7	26.7	22.21	2.7	28.4	—	—	—
7	21.29	4.3	28.2	21.29	4.3	28.2	—	—	—
9	23.59	10.6	26.5	21.83	3.0	30.2	—	—	—
Physical therapists	24.82	3.4	36.8	24.79	3.9	37.0	—	—	—
7	21.57	7.4	40.0	21.57	7.4	40.0	—	—	—
9	25.65	1.9	37.7	25.80	2.0	37.4	—	—	—
Speech therapists	25.65	8.3	32.8	21.72	4.7	32.4	34.39	11.1	33.8
9	26.06	11.5	35.5	20.78	6.0	35.1	35.65	12.1	36.2
Therapists, n.e.c.	17.11	6.1	34.5	17.04	6.0	32.7	17.19	10.6	36.9
7	19.45	11.3	35.0	—	—	—	—	—	—
8	17.83	11.6	38.1	17.66	12.6	38.2	—	—	—
9	18.33	11.1	39.2	16.85	11.0	39.1	—	—	—
Physicians' assistants	28.15	13.4	36.6	28.15	13.4	36.6	—	—	—
Teachers, college and university	37.04	4.1	34.7	33.20	11.3	35.1	38.25	3.5	34.5
5	13.61	1.1	33.8	—	—	—	—	—	—
7	23.77	19.6	15.8	—	—	—	25.66	23.3	24.5
8	32.87	11.6	15.5	—	—	—	31.96	12.5	14.2
9	25.24	7.7	29.7	19.88	6.8	33.2	27.24	11.3	28.6
10	26.24	8.8	28.3	24.29	6.3	30.0	33.38	3.7	23.6
11	33.12	5.3	35.9	25.41	5.0	35.4	37.03	4.3	36.2
12	35.94	8.5	38.7	34.80	7.6	40.8	36.24	11.1	38.2
13	43.07	2.3	40.2	47.09	3.2	49.9	42.50	2.6	39.1

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 1999—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									
14	\$57.29	8.5	41.2	\$49.84	6.9	52.4	—	—	—
Biological science teachers	32.09	6.8	33.8	31.28	8.8	36.8	—	—	—
12	31.82	10.4	35.4	31.82	10.4	35.4	—	—	—
Chemistry teachers	35.67	6.4	33.7	—	—	—	—	—	—
History teachers	29.33	16.5	44.4	—	—	—	—	—	—
Social science teachers, n.e.c.	37.00	2.4	40.3	—	—	—	\$37.32	0.4	39.9
Engineering teachers	53.74	19.6	38.7	35.68	9.4	38.2	56.05	18.9	38.7
11	28.45	14.4	39.3	34.92	14.8	40.6	—	—	—
Mathematical science teachers	42.74	3.6	35.5	29.27	13.8	35.6	43.37	2.6	35.5
13	44.76	2.3	38.4	—	—	—	—	—	—
Computer science teachers	33.97	21.2	29.0	—	—	—	—	—	—
Medical science teachers	52.10	8.8	51.5	53.58	8.7	52.9	—	—	—
13	45.62	6.5	55.8	—	—	—	—	—	—
Health specialties teachers	33.13	10.6	38.3	—	—	—	30.05	11.8	35.4
11	37.98	1.7	36.5	—	—	—	—	—	—
Business, commerce, and marketing teachers ..	37.62	12.3	23.4	40.82	15.8	18.0	35.82	15.4	28.0
9	24.98	6.4	26.0	—	—	—	—	—	—
Art, drama, and music teachers	28.18	12.6	35.4	30.84	17.2	31.1	26.84	13.9	38.0
9	24.22	5.1	36.5	—	—	—	—	—	—
12	37.29	11.1	39.7	—	—	—	—	—	—
Physical education teachers	33.07	4.4	27.1	—	—	—	—	—	—
Education teachers	41.60	4.3	37.0	29.71	6.5	36.3	—	—	—
English teachers	38.68	19.8	37.6	34.81	13.0	33.1	38.88	20.8	37.8
11	33.26	5.5	39.1	—	—	—	—	—	—
Foreign language teachers	28.65	8.2	26.7	29.68	8.9	33.1	—	—	—
Theology teachers	28.41	14.0	39.7	25.60	8.0	39.8	—	—	—
Other post-secondary teachers	30.98	8.5	27.7	21.89	9.2	30.8	34.58	8.0	26.6
7	16.49	3.5	26.2	—	—	—	—	—	—
8	40.77	14.4	15.9	—	—	—	46.94	8.5	15.1
9	28.11	13.7	22.9	18.69	6.1	31.2	34.10	8.1	19.5
11	38.36	8.7	30.1	—	—	—	40.30	8.8	32.3
12	43.31	7.9	38.4	—	—	—	—	—	—
Teachers, except college and university	26.90	4.2	33.5	13.56	8.6	32.9	30.04	2.2	33.6
4	9.59	9.5	21.9	—	—	—	8.72	9.0	25.3
5	11.23	12.3	31.5	—	—	—	15.46	17.6	22.9
6	26.73	9.2	28.3	13.49	9.3	28.1	32.00	7.0	28.4
7	21.04	11.9	34.3	13.57	15.2	34.0	24.76	6.9	34.5
8	29.81	6.6	32.3	15.75	10.8	28.4	32.27	7.8	33.1
9	31.00	1.9	34.9	20.70	3.9	33.9	31.57	1.9	35.0
10	35.54	12.1	39.0	—	—	—	—	—	—
11	33.08	13.8	38.2	—	—	—	—	—	—
Prekindergarten and kindergarten	12.53	11.8	35.7	10.12	5.0	36.0	26.44	9.3	34.5
6	12.65	17.6	36.7	10.62	12.1	38.6	—	—	—
8	29.75	11.8	34.5	—	—	—	29.79	11.9	34.5
9	29.68	5.0	34.7	19.74	9.9	34.2	30.75	5.2	34.7
Elementary school teachers	29.81	2.7	35.0	16.91	4.6	35.9	31.17	2.7	34.9
5	25.95	29.8	34.5	—	—	—	—	—	—
6	33.08	7.2	32.6	—	—	—	34.04	7.3	32.5
7	25.26	7.3	35.8	—	—	—	26.06	8.2	35.9
8	30.15	7.6	34.7	14.11	10.8	37.7	35.31	5.7	33.8
9	30.93	3.1	35.0	19.03	2.4	34.2	31.57	3.1	35.1
Secondary school teachers	30.74	3.0	35.9	22.00	4.9	37.3	31.61	3.2	35.8
6	28.12	11.8	35.5	—	—	—	34.75	7.7	34.6
7	25.78	8.5	37.1	22.79	5.6	36.9	26.19	9.5	37.2
8	36.61	8.6	34.4	—	—	—	37.56	9.2	34.3
9	30.64	3.3	36.3	24.45	5.6	37.6	31.10	3.6	36.2
Teachers, special education	27.79	5.6	35.8	—	—	—	29.44	5.2	35.5
7	25.01	10.4	36.5	—	—	—	27.64	9.4	36.3

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 1999—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, special education—Continued									
8	\$27.44	10.4	34.7	—	—	—	\$27.44	10.4	34.7
9	28.94	4.9	36.0	—	—	—	30.72	3.4	35.6
Teachers, n.e.c.	28.94	6.7	28.7	\$16.97	12.2	15.5	30.06	6.6	31.2
4	9.31	11.2	22.8	—	—	—	—	—	—
5	11.06	16.9	26.6	15.73	17.9	34.4	9.05	4.8	24.3
6	16.88	5.3	13.4	—	—	—	17.52	5.1	16.1
7	23.39	16.5	30.0	—	—	—	—	—	—
8	27.88	13.5	22.2	—	—	—	28.59	14.5	27.6
9	32.59	5.5	32.9	31.63	7.8	11.7	32.60	5.6	33.3
Substitute teachers	12.12	7.1	15.0	9.50	6.8	7.3	12.22	7.2	15.6
5	10.52	4.4	16.2	—	—	—	10.52	4.4	16.2
6	10.14	2.4	9.7	9.42	8.4	7.1	10.39	2.4	11.2
7	12.17	14.7	10.6	—	—	—	12.23	14.8	10.6
Vocational and educational counselors	22.40	9.1	35.9	17.21	12.9	39.6	23.11	10.7	35.4
5	16.37	13.8	29.0	—	—	—	—	—	—
7	14.64	1.8	39.9	15.06	4.7	39.9	—	—	—
8	20.52	9.1	37.2	—	—	—	20.77	10.2	37.1
9	32.21	5.3	35.8	—	—	—	32.43	5.4	35.7
Librarians, archivists, and curators	20.31	6.3	34.9	20.21	10.6	32.9	20.36	7.2	36.0
5	14.68	22.2	34.8	—	—	—	—	—	—
6	13.36	6.2	35.3	—	—	—	14.36	3.7	35.4
7	15.82	4.3	35.0	—	—	—	15.63	6.5	33.1
8	19.44	13.5	36.9	—	—	—	21.64	15.7	36.1
9	22.71	5.6	31.0	19.49	6.9	23.5	24.16	6.4	36.3
10	18.56	7.2	38.9	—	—	—	20.16	9.4	36.7
11	25.81	15.3	37.5	—	—	—	20.75	2.5	37.4
Librarians	20.19	3.9	35.2	17.08	5.3	33.3	21.89	4.3	36.4
6	13.36	6.2	35.3	—	—	—	14.36	3.7	35.4
7	15.82	4.3	35.0	—	—	—	15.63	6.5	33.1
8	20.01	18.8	36.1	—	—	—	23.28	20.4	34.2
9	22.67	5.7	32.0	19.04	6.4	24.8	24.16	6.4	36.3
10	17.94	6.9	39.0	—	—	—	18.37	4.5	36.5
11	20.35	2.5	39.5	—	—	—	20.75	2.6	39.6
Archivists and curators	20.75	24.6	33.6	33.51	18.3	31.3	—	—	—
Social scientists and urban planners	22.55	12.1	35.5	21.71	11.1	35.6	23.29	20.7	35.4
7	16.05	6.8	38.7	—	—	—	—	—	—
8	17.89	9.4	29.3	—	—	—	—	—	—
9	26.73	13.3	38.2	15.49	7.4	39.4	34.48	7.6	37.4
10	24.36	10.5	38.3	—	—	—	—	—	—
11	34.67	7.1	31.6	—	—	—	—	—	—
Economists	23.99	13.3	40.0	24.60	13.6	40.0	—	—	—
Psychologists	25.59	11.6	36.4	17.67	11.6	34.8	32.67	8.9	38.0
9	28.76	15.2	37.7	14.62	6.7	39.2	—	—	—
10	23.50	14.4	37.7	—	—	—	—	—	—
11	34.51	10.7	33.4	—	—	—	—	—	—
Social scientists, n.e.c.	13.41	28.0	36.1	—	—	—	—	—	—
Urban planners	19.60	6.7	19.1	—	—	—	19.60	6.7	19.1
Social, recreation, and religious workers	15.45	4.0	36.1	13.45	3.6	35.3	18.23	4.8	37.3
4	8.40	4.2	19.3	—	—	—	—	—	—
5	11.79	5.3	39.0	11.24	8.1	39.4	12.33	6.1	38.5
6	12.82	7.9	38.7	11.06	6.3	38.8	16.31	7.3	38.4
7	14.10	4.8	33.9	13.59	6.3	32.7	15.59	2.9	37.7
8	17.42	5.1	38.1	13.88	6.6	37.8	18.70	4.9	38.1
9	17.08	4.4	38.5	15.68	3.2	37.7	19.25	5.9	39.6
10	20.16	11.8	36.8	—	—	—	23.01	10.8	37.3
11	28.50	18.4	35.4	18.42	5.2	36.4	36.66	12.8	34.7

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 1999—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									
Social, recreation, and religious workers—Continued									
Social workers	\$15.73	4.3	36.5	\$13.61	3.9	35.3	\$18.62	4.9	38.3
5	12.04	5.6	38.7	10.90	5.5	39.0	12.55	6.5	38.6
6	12.33	8.5	38.7	11.07	6.8	38.7	15.94	11.7	38.7
7	14.10	4.9	33.9	13.60	6.3	32.8	15.61	2.9	37.9
8	17.65	5.1	38.0	14.40	6.4	37.7	18.70	4.9	38.1
9	17.03	4.5	38.4	15.50	3.2	37.7	19.25	5.9	39.6
10	20.16	12.0	36.7	—	—	—	23.06	11.0	37.3
11	28.66	18.4	35.4	18.58	5.4	36.3	36.66	12.8	34.7
Recreation workers	12.30	9.0	31.5	11.54	9.7	34.5	13.31	13.7	28.2
5	11.72	10.7	39.6	—	—	—	—	—	—
Clergy	13.96	15.7	37.9	12.61	19.3	37.1	—	—	—
Lawyers and judges	42.30	12.1	38.0	50.45	10.8	41.0	37.35	23.2	36.3
10	33.76	6.6	31.7	—	—	—	—	—	—
11	27.26	9.7	38.7	—	—	—	22.90	6.0	37.5
12	44.05	17.1	39.7	—	—	—	32.12	10.3	35.7
Lawyers	42.68	12.2	38.3	50.45	10.8	41.0	37.67	24.2	36.8
11	27.26	9.7	38.7	—	—	—	22.90	6.0	37.5
12	44.05	17.1	39.7	—	—	—	32.12	10.3	35.7
Writers, authors, entertainers, athletes, and professionals, n.e.c.	20.36	7.2	34.5	19.27	7.7	34.4	30.32	9.6	35.3
5	12.51	6.1	36.5	—	—	—	—	—	—
6	12.80	8.6	39.2	12.57	8.5	39.2	—	—	—
7	19.26	6.9	39.4	19.42	7.0	39.3	—	—	—
8	22.00	6.4	38.6	22.09	6.5	38.6	—	—	—
9	23.39	4.7	39.7	23.34	4.9	39.8	—	—	—
10	21.80	9.3	39.8	21.80	9.3	39.8	—	—	—
11	38.45	7.6	36.0	38.45	7.6	36.0	—	—	—
Not able to be leveled	18.67	14.2	29.5	14.85	11.3	27.9	33.30	4.4	37.5
Technical writers	18.79	9.8	39.6	18.79	9.8	39.6	—	—	—
Designers	22.85	12.0	39.3	22.87	12.1	39.4	—	—	—
5	15.69	10.0	36.4	—	—	—	—	—	—
7	20.11	7.7	39.9	20.11	7.7	39.9	—	—	—
8	21.92	4.4	40.0	21.92	4.4	40.0	—	—	—
9	22.71	6.1	41.1	22.71	6.1	41.1	—	—	—
Actors and directors	22.73	15.4	38.3	22.73	15.4	38.3	—	—	—
Not able to be leveled	22.73	15.4	38.3	22.73	15.4	38.3	—	—	—
Painters, sculptors, craft artists, and artist printmakers	15.81	14.3	39.4	15.81	14.3	39.4	—	—	—
Not able to be leveled	15.81	14.3	39.4	15.81	14.3	39.4	—	—	—
Photographers	18.42	12.9	37.0	18.42	12.9	37.0	—	—	—
Editors and reporters	19.61	19.4	38.7	19.70	19.7	38.7	—	—	—
6	12.91	12.2	40.5	12.71	12.9	40.6	—	—	—
9	22.64	8.2	39.2	22.69	8.3	39.4	—	—	—
Public relations specialists	22.50	19.4	31.8	22.55	25.2	37.5	22.36	6.9	21.1
9	20.14	12.3	38.8	—	—	—	—	—	—
Athletes	31.14	10.4	35.1	22.09	17.7	29.7	33.91	4.0	37.2
Not able to be leveled	31.14	10.4	35.1	22.09	17.7	29.7	33.91	4.0	37.2
Professional, n.e.c.	23.70	7.8	39.2	22.24	5.2	38.9	27.36	17.9	40.0
7	17.56	4.8	40.0	—	—	—	—	—	—
8	21.16	3.7	39.8	21.16	3.7	39.8	—	—	—
9	27.00	6.4	39.7	27.06	6.4	39.7	—	—	—
Not able to be leveled	27.87	13.7	38.9	—	—	—	—	—	—
Technical	18.15	2.3	35.6	18.50	2.5	35.3	15.62	5.3	38.2
2	8.83	9.9	36.6	8.95	10.8	38.5	—	—	—
3	10.18	2.9	34.8	10.12	4.6	33.1	10.27	1.3	37.8
4	12.34	3.7	30.4	12.22	4.0	30.0	13.66	4.6	36.3
5	14.19	3.4	34.0	14.54	3.1	33.3	12.28	4.3	38.7

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 1999—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									
6	\$15.84	4.0	35.2	\$16.07	4.1	35.0	\$13.44	10.7	37.0
7	18.36	2.8	38.2	18.57	3.2	38.1	16.93	2.3	38.7
8	21.36	2.8	39.1	21.42	3.0	39.1	20.65	4.0	38.7
9	23.97	3.5	37.6	24.45	4.3	37.3	21.82	1.4	39.0
10	29.22	8.3	38.9	29.46	8.5	39.2	—	—	—
11	70.45	21.3	28.4	70.45	21.3	28.4	—	—	—
Not able to be leveled	13.73	13.1	35.3	—	—	—	—	—	—
Clinical laboratory technologists and technicians	15.92	4.6	36.8	16.83	2.5	36.4	10.52	4.5	39.6
3	10.53	3.1	26.8	—	—	—	—	—	—
4	11.08	4.9	37.1	11.00	6.9	36.0	—	—	—
5	12.33	11.3	37.7	14.78	7.5	35.5	—	—	—
6	15.11	3.8	38.6	15.11	3.8	38.6	—	—	—
7	16.59	4.9	37.5	16.61	4.9	37.7	—	—	—
8	17.67	4.1	34.5	17.67	4.1	34.5	—	—	—
9	19.63	6.7	37.6	19.65	6.9	37.5	—	—	—
Health record technologists and technicians	13.91	5.8	34.3	12.81	7.0	32.2	—	—	—
5	11.33	4.4	27.3	11.33	4.4	27.3	—	—	—
Radiological technicians	17.30	2.6	32.3	17.46	2.8	32.3	15.39	5.8	32.5
5	16.23	1.8	33.9	16.13	1.9	33.4	—	—	—
6	15.28	4.6	32.7	15.31	5.0	32.4	—	—	—
7	19.07	2.8	27.0	19.09	2.9	26.7	—	—	—
8	19.38	4.4	38.7	19.38	4.4	38.7	—	—	—
Licensed practical nurses	13.55	2.4	34.4	13.37	2.2	33.9	14.52	7.2	37.8
4	12.35	8.2	35.1	12.23	8.8	34.6	—	—	—
5	13.38	2.3	30.4	13.39	2.5	30.2	—	—	—
6	12.79	3.5	35.4	13.07	2.9	35.0	10.97	10.2	37.8
7	14.64	2.4	37.3	13.96	1.4	36.9	16.49	3.3	38.5
Health technologists and technicians, n.e.c.	13.34	3.1	28.9	13.28	3.1	27.7	13.71	10.4	39.3
3	9.81	4.2	36.3	9.30	4.8	33.1	—	—	—
4	11.44	4.9	18.3	11.28	5.0	17.7	—	—	—
5	12.58	3.6	31.6	12.55	3.8	31.3	—	—	—
6	13.89	4.8	36.6	14.20	4.7	36.5	—	—	—
7	15.99	6.6	37.7	15.80	9.4	36.5	—	—	—
8	16.47	8.0	31.3	—	—	—	—	—	—
9	22.37	12.9	39.9	—	—	—	—	—	—
Electrical and electronic technicians	21.21	2.4	39.4	21.29	2.4	39.4	—	—	—
5	16.83	4.3	39.6	16.83	4.3	39.6	—	—	—
6	17.45	7.6	39.9	17.49	8.0	40.0	—	—	—
7	21.82	1.8	40.0	21.92	1.7	40.0	—	—	—
8	21.53	4.2	40.0	21.59	4.2	40.0	—	—	—
9	24.61	5.5	40.0	24.61	5.5	40.0	—	—	—
Industrial engineering technicians	17.38	6.2	40.6	17.38	6.2	40.6	—	—	—
Mechanical engineering technicians	24.18	7.0	40.3	24.18	7.0	40.3	—	—	—
7	27.10	12.4	40.0	27.10	12.4	40.0	—	—	—
Engineering technicians, n.e.c.	19.06	8.8	39.5	18.98	10.2	40.0	19.52	5.3	36.7
4	13.45	10.7	40.0	12.98	11.7	40.0	—	—	—
6	18.55	5.5	39.3	19.34	4.0	39.2	—	—	—
7	19.25	6.8	40.0	18.77	7.8	40.0	—	—	—
8	23.63	4.5	40.3	23.94	4.8	40.4	—	—	—
9	26.13	8.5	38.9	—	—	—	—	—	—
Drafters	18.46	3.2	39.4	18.46	3.2	39.4	—	—	—
4	12.94	10.2	34.7	12.94	10.2	34.7	—	—	—
5	14.91	2.8	40.0	14.91	2.8	40.0	—	—	—
6	21.22	5.9	40.0	21.25	5.9	40.0	—	—	—
Surveying and mapping technicians	15.16	5.2	39.7	—	—	—	13.93	9.6	37.9
7	19.38	3.7	39.0	—	—	—	—	—	—
Biological technicians	18.29	20.4	39.7	21.14	19.3	39.5	—	—	—
Chemical technicians	17.69	5.3	38.8	17.73	5.6	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 1999—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									
Chemical technicians—Continued									
5	\$13.49	7.6	36.1	—	—	—	—	—	—
7	18.75	6.6	37.1	—	—	—	—	—	—
Science technicians, n.e.c.	18.02	5.0	36.4	—	—	—	—	—	—
5	17.25	6.9	39.9	\$16.79	7.9	39.9	—	—	—
Airplane pilots and navigators	70.74	37.1	18.7	70.74	37.1	18.7	—	—	—
Broadcast equipment operators	12.04	13.8	38.0	12.19	14.7	38.6	—	—	—
Computer programmers	21.66	6.8	39.6	21.73	7.1	39.7	\$20.23	7.1	39.6
6	18.76	9.2	40.0	18.45	10.3	40.0	—	—	—
7	19.86	8.4	40.0	19.86	8.4	40.0	—	—	—
8	23.66	7.0	39.1	—	—	—	—	—	—
9	26.31	7.9	39.7	26.66	8.2	39.6	—	—	—
Tool programmers, numerical control	16.26	4.1	40.0	16.26	4.1	40.0	—	—	—
Legal assistants	20.48	7.6	38.4	22.99	7.2	38.6	—	—	—
Technical and related, n.e.c.	17.17	7.7	39.2	17.36	9.3	39.5	16.74	13.0	38.5
5	13.12	5.9	39.9	16.04	4.5	39.8	12.18	.5	40.0
6	17.33	4.8	36.6	16.96	5.8	37.7	18.61	4.7	33.0
7	16.59	9.2	39.4	16.12	12.5	40.2	17.85	2.9	37.5
8	20.73	6.0	39.5	20.65	7.5	39.9	21.01	5.8	38.2
9	23.47	3.3	39.5	24.76	4.0	39.1	—	—	—
Executive, administrative, and managerial	26.88	2.9	39.0	26.65	2.5	39.2	28.23	6.6	38.0
5	13.81	3.2	38.2	13.79	3.4	38.2	13.98	9.8	38.2
6	15.61	4.4	31.3	15.30	4.9	30.5	17.91	5.2	38.8
7	17.52	2.4	40.0	17.56	2.6	40.1	17.26	3.9	39.3
8	19.93	4.5	39.0	19.78	5.1	38.8	20.57	5.5	39.9
9	24.16	1.7	40.5	24.08	1.8	40.8	24.67	3.6	39.2
10	28.70	4.0	37.6	28.91	4.4	37.5	27.22	4.2	37.8
11	30.27	3.8	40.0	29.80	4.3	40.1	33.43	3.2	39.6
12	36.93	2.0	40.5	36.59	1.7	41.0	38.41	6.1	38.8
13	49.01	5.4	41.0	48.42	4.7	41.4	51.87	7.6	38.9
14	56.07	4.8	40.5	57.28	5.1	40.5	46.26	5.3	40.6
15	90.81	11.0	39.1	91.35	11.6	39.1	—	—	—
Not able to be leveled	31.33	10.7	32.7	32.85	13.9	39.7	28.07	13.0	23.7
Executives, administrators, and managers	29.43	2.6	40.4	28.85	2.6	40.9	32.92	7.2	37.2
5	13.69	1.4	38.8	13.79	1.5	38.7	—	—	—
6	15.07	5.4	40.8	14.89	5.9	40.9	—	—	—
7	17.61	3.9	41.1	17.67	4.2	41.3	17.24	5.7	39.7
8	19.93	8.7	41.7	19.69	9.1	41.8	22.37	9.7	40.0
9	24.42	2.1	40.9	24.19	2.3	41.2	26.31	5.0	39.2
10	29.85	4.9	39.8	30.00	5.2	39.9	27.75	8.1	38.1
11	29.66	3.7	40.2	28.89	3.9	40.3	34.20	3.6	39.5
12	37.49	2.0	40.7	37.24	1.8	41.2	38.41	6.1	38.8
13	47.59	4.5	41.4	46.48	3.7	42.1	51.87	7.6	38.9
14	57.51	5.3	40.4	59.18	5.7	40.4	46.26	5.3	40.6
15	98.03	8.1	39.0	99.06	8.5	39.0	—	—	—
Not able to be leveled	35.81	13.8	29.5	38.24	20.7	39.6	31.75	8.0	20.6
Legislators	19.83	23.6	4.9	—	—	—	19.83	23.6	4.9
Not able to be leveled	19.83	23.6	4.9	—	—	—	19.83	23.6	4.9
Administrators and officials, public administration	27.84	4.4	39.3	—	—	—	27.68	4.5	39.3
7	18.04	5.2	39.9	—	—	—	18.04	5.2	39.9
9	25.63	5.1	38.7	—	—	—	25.63	5.1	38.7
10	25.00	6.5	40.2	—	—	—	25.00	6.5	40.2
11	28.70	3.8	40.1	—	—	—	28.78	3.8	40.1
12	32.54	4.9	40.5	—	—	—	32.92	5.1	40.5
Not able to be leveled	34.37	7.0	37.2	—	—	—	33.39	6.9	37.1
Financial managers	29.82	4.3	40.1	29.86	4.3	40.1	26.12	4.9	39.6
7	17.01	15.0	40.0	17.01	15.0	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 1999—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									
Financial managers—Continued									
8	\$18.66	7.1	39.5	\$18.66	7.1	39.5	—	—	—
9	23.09	3.8	40.1	23.09	3.9	40.1	—	—	—
10	27.88	3.1	40.2	27.88	3.1	40.2	—	—	—
11	32.34	5.4	40.3	32.40	5.5	40.3	—	—	—
12	38.51	5.6	40.3	38.70	5.8	40.3	—	—	—
13	41.24	4.0	40.0	41.24	4.0	40.0	—	—	—
Personnel and labor relations managers	34.52	9.5	42.6	34.59	9.8	42.6	—	—	—
9	23.60	8.4	38.6	23.12	8.6	38.4	—	—	—
11	29.52	7.2	38.6	29.54	7.2	38.6	—	—	—
12	39.55	4.5	40.0	39.77	4.7	40.0	—	—	—
Purchasing managers	27.04	8.6	41.1	27.08	8.7	41.1	—	—	—
11	28.76	3.8	40.0	28.76	3.8	40.0	—	—	—
Managers, marketing, advertising, and public relations	34.41	7.5	40.9	34.50	7.6	40.9	—	—	—
9	24.48	5.3	40.2	24.48	5.3	40.2	—	—	—
10	33.96	11.8	40.0	33.96	11.8	40.0	—	—	—
11	31.51	3.1	41.4	31.51	3.1	41.4	—	—	—
12	41.91	5.9	41.0	41.93	6.0	41.0	—	—	—
13	46.59	2.3	45.1	46.59	2.3	45.1	—	—	—
Administrators, education and related fields	34.56	4.6	39.7	25.14	7.1	42.4	\$38.19	4.2	38.7
7	13.95	5.7	39.0	—	—	—	—	—	—
8	16.94	10.3	40.0	15.33	4.9	40.0	—	—	—
9	29.11	7.8	39.3	21.64	6.3	37.9	30.99	7.9	39.6
10	31.22	13.0	40.7	—	—	—	—	—	—
11	36.90	3.2	39.5	26.07	6.4	40.0	38.57	1.9	39.4
12	41.38	3.1	39.6	31.70	5.8	49.4	43.83	4.1	37.7
13	39.22	7.4	39.5	—	—	—	37.41	5.6	39.3
14	44.77	6.3	43.8	—	—	—	—	—	—
Managers, medicine and health	30.23	13.1	39.7	26.50	6.8	40.0	47.36	15.1	38.4
8	20.41	5.0	40.0	19.32	1.7	40.0	—	—	—
10	22.69	7.7	42.5	22.69	7.7	42.5	—	—	—
11	27.67	3.1	40.2	27.75	3.5	40.3	—	—	—
12	34.63	2.1	40.1	36.18	3.7	40.1	—	—	—
13	58.20	3.8	38.2	52.26	4.8	39.8	—	—	—
Managers, food servicing and lodging establishments	16.22	10.8	43.5	16.20	11.3	43.8	—	—	—
7	15.63	6.9	46.2	15.63	6.9	46.2	—	—	—
8	16.24	7.2	44.2	16.23	8.0	44.7	—	—	—
9	18.92	4.9	51.3	18.92	4.9	51.3	—	—	—
Managers, properties and real estate	20.86	9.6	39.6	21.18	9.5	39.5	—	—	—
Managers, service organizations, n.e.c.	25.73	8.4	39.5	25.83	8.9	39.5	24.56	17.2	39.1
7	12.34	4.5	40.0	—	—	—	—	—	—
8	21.26	30.0	39.9	15.70	6.5	39.8	—	—	—
9	23.88	6.0	39.8	—	—	—	—	—	—
Managers and administrators, n.e.c.	29.49	3.8	41.0	29.57	3.9	41.1	27.69	6.1	40.2
6	18.52	14.8	40.4	—	—	—	—	—	—
7	17.95	3.0	41.2	17.92	3.2	41.2	—	—	—
8	21.14	11.4	42.0	21.17	12.0	42.1	20.58	3.7	40.9
9	24.98	2.4	41.6	25.13	2.4	41.7	20.44	10.6	39.8
10	32.43	8.1	39.0	32.60	8.2	39.2	—	—	—
11	28.66	5.3	40.4	28.50	5.2	40.4	35.85	10.4	37.9
12	35.57	2.9	41.6	35.93	3.0	41.8	—	—	—
13	46.44	5.1	41.2	47.47	5.9	40.8	—	—	—
14	62.48	6.3	39.4	62.87	6.5	39.4	—	—	—
15	94.14	8.8	38.9	95.02	9.3	38.9	—	—	—
Not able to be leveled	34.93	31.5	40.0	34.93	31.5	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 1999—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	\$22.38	6.6	36.9	\$22.70	7.6	36.5	\$20.64	3.0	39.2
5	13.86	4.7	37.9	13.79	4.9	38.0	14.68	11.2	37.6
6	15.73	5.2	29.7	15.39	5.8	28.8	18.21	6.1	38.6
7	17.44	2.7	39.2	17.46	3.1	39.2	17.28	5.4	39.0
8	19.93	2.1	36.7	19.89	1.7	35.6	20.03	5.9	39.9
9	23.59	2.1	39.7	23.83	2.4	39.8	22.56	2.5	39.2
10	26.04	2.7	33.2	25.75	3.3	31.9	26.88	4.3	37.6
11	32.41	6.7	39.5	32.75	6.8	39.4	—	—	—
12	33.12	3.6	39.5	33.12	3.6	39.5	—	—	—
14	47.83	8.4	41.0	47.83	8.4	41.0	—	—	—
Not able to be leveled	23.95	8.9	39.9	25.67	8.8	39.9	—	—	—
Accountants and auditors	20.60	2.9	39.7	20.50	3.1	39.9	21.18	6.1	38.7
5	15.93	5.2	40.0	15.92	5.5	40.0	—	—	—
6	16.99	5.8	39.6	16.84	6.5	39.9	—	—	—
7	17.42	5.2	39.3	17.60	5.6	39.3	—	—	—
8	20.23	2.6	40.1	20.28	2.9	40.1	—	—	—
9	22.44	3.1	39.9	22.59	3.7	40.2	21.92	5.5	38.8
10	27.09	2.0	39.0	26.62	3.6	40.3	—	—	—
11	26.74	3.8	40.0	26.74	3.8	40.0	—	—	—
Underwriters	19.48	6.0	38.7	19.48	6.0	38.7	—	—	—
7	17.42	5.7	39.4	17.42	5.7	39.4	—	—	—
8	20.54	8.2	38.5	20.54	8.2	38.5	—	—	—
Other financial officers	23.70	4.6	39.9	23.82	4.9	39.9	22.25	6.9	40.0
6	17.59	14.1	39.1	17.59	14.1	39.1	—	—	—
7	18.13	4.5	40.0	18.09	5.0	40.0	—	—	—
8	19.65	2.6	40.1	19.59	2.8	40.1	—	—	—
9	22.55	4.7	39.9	22.50	5.2	39.9	—	—	—
11	27.24	5.3	40.2	27.63	7.2	40.2	—	—	—
Management analysts	24.95	4.7	39.3	24.72	5.3	39.2	—	—	—
9	23.63	5.4	39.3	21.75	3.7	38.9	—	—	—
Personnel, training, and labor relations specialists	20.45	9.8	26.1	20.52	11.2	24.8	19.99	5.8	38.4
7	18.86	4.2	38.5	19.00	4.4	39.2	—	—	—
8	18.42	4.5	19.6	—	—	—	—	—	—
9	25.08	3.6	38.7	25.70	2.4	38.6	—	—	—
10	25.30	6.4	21.0	—	—	—	—	—	—
Buyers, wholesale and retail trade, except farm products	18.65	8.7	40.8	18.67	8.8	40.8	—	—	—
9	23.08	9.8	42.3	23.08	9.8	42.3	—	—	—
Purchasing agents and buyers, n.e.c.	27.89	8.9	40.0	28.04	9.0	40.0	—	—	—
6	19.50	5.0	39.8	—	—	—	—	—	—
7	16.36	3.6	40.0	16.36	3.6	40.0	—	—	—
8	20.28	5.2	40.2	18.91	3.1	40.3	—	—	—
9	25.02	2.9	40.4	25.02	2.9	40.4	—	—	—
Construction inspectors	20.78	7.3	39.4	—	—	—	20.41	8.2	39.3
7	18.78	8.8	39.6	—	—	—	18.78	8.8	39.6
8	24.24	6.2	39.7	—	—	—	23.92	7.3	39.7
Inspectors and compliance officers, except construction	19.39	3.8	39.7	23.33	6.9	40.7	18.54	1.9	39.5
7	20.80	15.4	39.9	—	—	—	—	—	—
8	18.84	2.5	40.2	—	—	—	18.83	2.6	40.0
9	23.48	6.8	38.3	—	—	—	—	—	—
Management related, n.e.c.	24.38	13.9	38.8	24.79	15.6	38.8	21.76	5.0	39.3
5	13.54	5.2	36.7	13.59	5.4	36.6	—	—	—
6	17.07	7.5	39.4	16.63	7.9	39.6	—	—	—
7	16.60	4.3	37.2	16.45	4.6	36.8	17.51	8.9	39.5
8	20.08	3.1	40.2	20.33	3.2	40.3	18.40	8.3	39.5
9	23.95	3.0	39.3	24.34	3.8	39.3	22.95	2.5	39.2
10	27.47	6.8	39.4	27.47	6.8	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 1999—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									
Management related, n.e.c.—Continued									
12	\$32.34	3.5	39.0	\$32.34	3.5	39.0	—	—	—
Not able to be leveled	22.12	10.3	40.0	—	—	—	—	—	—
Sales									
1	14.03	8.2	32.8	14.03	8.2	32.8	\$14.38	8.4	29.3
2	6.62	1.3	25.8	6.62	1.3	25.8	6.23	10.0	17.6
3	7.05	4.6	27.8	7.05	4.6	27.8	—	—	—
4	8.34	3.1	26.9	8.31	3.1	26.9	14.91	5.4	29.3
5	11.76	6.0	38.3	11.76	6.0	38.3	—	—	—
6	13.51	5.3	40.8	13.50	5.3	40.8	—	—	—
7	18.81	6.4	39.8	18.81	6.4	39.8	—	—	—
8	21.51	4.9	41.6	21.51	4.9	41.6	—	—	—
9	23.94	5.6	42.3	24.00	5.6	42.4	—	—	—
10	28.22	4.1	40.2	28.22	4.1	40.2	—	—	—
11	37.63	7.2	40.9	37.63	7.2	40.9	—	—	—
12	46.82	7.7	40.4	46.82	7.7	40.4	—	—	—
Not able to be leveled	18.61	18.5	32.4	18.61	18.5	32.4	—	—	—
Supervisors, sales									
4	16.48	7.8	41.7	16.48	7.8	41.7	—	—	—
5	9.92	3.8	42.7	9.92	3.8	42.7	—	—	—
6	12.04	5.7	42.2	12.04	5.7	42.2	—	—	—
7	15.16	8.0	40.4	15.16	8.0	40.4	—	—	—
8	21.50	11.4	43.1	21.50	11.4	43.1	—	—	—
9	18.73	5.2	41.1	18.80	5.4	41.1	—	—	—
11	28.92	11.3	42.3	28.92	11.3	42.3	—	—	—
Insurance sales									
8	20.21	6.6	38.3	20.21	6.6	38.3	—	—	—
9	23.54	14.5	39.6	23.54	14.5	39.6	—	—	—
Real estate sales									
11	16.07	11.1	35.6	16.07	11.1	35.6	—	—	—
Securities and financial services sales									
11	30.56	20.9	40.6	30.56	20.9	40.6	—	—	—
Advertising and related sales									
4	18.67	9.7	39.8	18.67	9.7	39.8	—	—	—
5	9.62	6.9	37.0	9.62	6.9	37.0	—	—	—
6	13.58	16.4	39.2	13.58	16.4	39.2	—	—	—
7	17.33	3.5	40.0	17.33	3.5	40.0	—	—	—
8	17.30	12.9	39.9	17.30	12.9	39.9	—	—	—
9	20.31	4.1	41.3	20.31	4.1	41.3	—	—	—
Sales, other business services									
4	24.36	9.3	39.9	24.37	9.4	39.9	—	—	—
5	17.50	19.3	40.0	17.50	19.3	40.0	—	—	—
6	14.08	3.0	40.2	14.08	3.0	40.2	—	—	—
7	24.29	30.2	39.1	24.29	30.2	39.1	—	—	—
8	27.16	34.0	40.5	27.16	34.0	40.5	—	—	—
9	29.83	5.5	40.0	29.83	5.5	40.0	—	—	—
Sales engineers									
4	32.75	7.3	41.8	32.75	7.3	41.8	—	—	—
Sales representatives, mining, manufacturing, and wholesale									
5	24.20	6.6	40.9	24.20	6.6	40.9	—	—	—
7	28.19	15.9	40.0	28.19	15.9	40.0	—	—	—
8	24.11	4.6	40.4	24.11	4.6	40.4	—	—	—
9	25.09	7.3	42.4	25.09	7.3	42.4	—	—	—
10	30.55	12.6	40.6	30.55	12.6	40.6	—	—	—
11	30.24	6.1	39.1	30.24	6.1	39.1	—	—	—
12	43.42	9.3	40.3	43.42	9.3	40.3	—	—	—
Sales workers, motor vehicles and boats									
4	18.85	7.9	45.1	18.85	7.9	45.1	—	—	—
5	20.92	8.0	44.0	20.92	8.0	44.0	—	—	—
6	17.59	16.8	45.4	17.59	16.8	45.4	—	—	—
Sales workers, apparel									
4	8.33	8.7	24.5	8.33	8.7	24.5	—	—	—
Sales workers, furniture and home furnishings									
4	13.47	24.8	31.4	13.47	24.8	31.4	—	—	—
5	18.18	27.5	42.0	18.18	27.5	42.0	—	—	—
Sales workers, radio, tv, hi-fi, and appliances									
4	14.00	13.7	34.9	14.00	13.7	34.9	—	—	—
Sales workers, hardware and building supplies									
4	14.50	25.3	32.8	14.50	25.3	32.8	—	—	—
5	9.32	8.6	32.9	9.32	8.6	32.9	—	—	—

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 1999—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 workers, parts	\$12.18	7.3	40.6	\$12.18	7.3	40.6	—	—	—
4	10.72	11.5	43.0	10.72	11.5	43.0	—	—	—
Sales workers, other commodities	12.41	22.7	30.2	12.41	22.7	30.2	—	—	—
1	6.89	3.4	26.8	6.89	3.4	26.8	—	—	—
2	6.30	2.6	27.8	6.30	2.6	27.8	—	—	—
3	8.42	4.8	25.0	8.42	4.8	25.0	—	—	—
4	8.67	5.5	32.2	8.67	5.5	32.2	—	—	—
Sales counter clerks	8.61	8.7	33.6	8.61	8.7	33.6	—	—	—
1	6.85	2.5	23.1	6.85	2.5	23.1	—	—	—
2	7.73	7.3	26.5	7.73	7.3	26.5	—	—	—
3	7.67	3.9	38.7	7.67	3.9	38.7	—	—	—
Cashiers	7.06	2.5	27.3	7.04	2.5	27.3	\$11.98	14.2	24.7
1	6.49	1.3	25.3	6.49	1.3	25.3	6.24	10.4	18.2
2	6.82	5.4	28.3	6.82	5.5	28.3	—	—	—
3	8.02	2.4	27.9	7.94	2.4	27.9	14.91	5.4	29.3
4	9.43	5.4	38.0	9.43	5.4	38.0	—	—	—
Sales support, n.e.c.	10.39	9.3	32.0	10.36	9.3	32.0	—	—	—
6	11.29	7.7	40.0	11.29	7.7	40.0	—	—	—
7	17.32	7.2	44.4	17.32	7.2	44.4	—	—	—
Administrative support, including clerical	12.10	1.2	35.9	12.04	1.3	35.8	12.40	2.0	36.6
1	7.70	3.3	27.1	7.64	3.7	27.5	8.04	5.0	24.8
2	8.70	1.9	30.4	8.56	1.7	30.3	9.85	5.0	30.8
3	9.85	1.3	34.9	9.68	1.4	34.8	11.09	2.1	35.3
4	11.71	1.5	36.6	11.66	1.6	36.2	11.92	3.4	37.9
5	13.86	1.6	38.8	13.83	1.8	39.0	14.03	3.2	37.7
6	14.53	2.8	38.9	14.82	3.9	39.0	13.62	3.4	38.8
7	17.34	2.0	39.1	17.39	2.3	39.2	17.04	3.0	38.6
8	22.46	9.3	39.6	22.71	9.5	39.6	—	—	—
9	20.07	5.6	43.8	20.08	5.7	43.9	—	—	—
Not able to be leveled	13.56	9.9	36.6	13.55	10.5	36.9	—	—	—
Supervisors, general office	16.12	7.2	39.9	16.22	8.2	40.2	15.47	8.2	38.5
5	13.59	3.6	40.1	13.23	2.6	40.1	—	—	—
6	13.97	15.5	38.2	14.10	18.3	38.3	—	—	—
7	16.89	9.3	36.8	16.57	12.4	36.1	17.85	5.5	39.0
8	19.62	3.3	39.8	19.93	4.0	39.8	—	—	—
9	19.63	6.6	47.1	19.63	6.6	47.1	—	—	—
Supervisors, computer equipment operators	19.66	11.9	40.3	—	—	—	—	—	—
Supervisors, financial records processing	17.75	7.2	39.3	17.77	7.3	39.3	—	—	—
6	16.41	3.3	39.7	16.41	3.5	39.7	—	—	—
7	16.77	4.8	39.4	16.77	4.8	39.4	—	—	—
Supervisors, distribution, scheduling, and adjusting clerks	18.60	5.3	40.3	18.44	5.8	40.6	19.78	10.4	38.5
5	15.95	14.7	40.4	—	—	—	—	—	—
8	19.55	9.3	40.6	19.53	9.4	40.6	—	—	—
9	24.83	4.9	41.8	24.83	4.9	41.8	—	—	—
Computer operators	16.54	4.6	39.1	16.71	5.2	39.4	15.99	10.9	38.2
4	13.93	7.5	39.1	14.76	6.9	39.8	—	—	—
5	16.33	6.3	39.6	15.85	4.2	39.7	—	—	—
6	18.57	12.7	39.7	19.20	13.1	39.6	—	—	—
7	18.40	5.9	38.4	18.50	8.2	39.2	—	—	—
Secretaries	12.71	2.8	38.4	12.82	4.0	38.6	12.40	2.9	38.0
2	8.58	10.3	34.8	—	—	—	9.98	4.2	27.3
3	10.18	5.2	37.8	9.56	4.9	38.3	11.50	3.9	36.6
4	11.60	3.5	38.5	11.55	5.0	38.6	11.74	4.0	38.5
5	14.14	3.7	38.3	14.51	4.1	38.5	12.75	2.7	37.4
6	14.76	4.5	39.2	15.88	2.0	38.8	13.10	4.7	39.7
7	17.42	5.0	39.4	17.39	6.1	39.4	17.55	4.6	39.1
Stenographers	12.39	3.6	35.9	11.63	3.7	35.1	14.16	4.6	37.7
4	12.08	5.2	36.3	11.90	5.2	36.0	—	—	—

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 1999—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									
Stenographers—Continued									
5	\$12.42	4.6	35.8	—	—	—	—	—	—
Typists	11.93	5.0	34.1	\$12.01	8.5	30.6	\$11.87	5.6	37.8
2	10.87	10.7	35.5	9.47	3.9	33.9	—	—	—
3	11.25	5.4	30.3	—	—	—	11.84	7.3	37.9
4	11.85	8.2	37.0	12.51	10.7	35.9	—	—	—
Interviewers	8.42	6.7	25.6	8.37	6.6	25.5	10.19	3.2	28.5
3	8.28	6.6	34.8	8.23	6.6	34.7	—	—	—
4	11.39	3.0	31.7	11.56	3.2	33.2	—	—	—
Hotel clerks	8.09	5.8	33.7	8.09	5.8	33.7	—	—	—
3	8.52	6.1	31.5	8.52	6.1	31.5	—	—	—
Transportation ticket and reservation agents	12.44	5.0	34.2	12.44	5.0	34.2	—	—	—
3	11.33	7.1	32.9	11.33	7.1	32.9	—	—	—
4	11.90	12.2	35.2	11.90	12.2	35.2	—	—	—
5	14.34	10.6	34.8	14.34	10.6	34.8	—	—	—
Receptionists	9.31	3.6	35.7	9.19	3.7	35.8	13.35	5.9	33.0
2	8.45	3.2	37.4	8.44	3.2	37.6	—	—	—
3	9.15	3.1	37.3	9.00	2.9	37.3	—	—	—
4	11.87	4.4	38.4	11.73	4.7	38.5	—	—	—
Information clerks, n.e.c.	12.77	5.6	35.9	12.68	6.2	35.8	13.88	7.1	37.1
2	8.82	7.2	35.4	8.49	5.8	35.2	—	—	—
3	9.86	5.7	30.2	9.80	5.7	30.3	—	—	—
4	11.22	3.6	39.3	11.21	4.1	39.2	—	—	—
5	13.76	1.0	39.6	13.76	1.0	39.6	—	—	—
Order clerks	12.04	3.1	34.6	12.02	3.2	34.5	—	—	—
2	8.50	7.9	22.1	8.50	7.9	22.1	—	—	—
3	10.72	5.4	33.3	10.72	5.4	33.3	—	—	—
4	12.40	2.2	39.8	12.36	2.2	39.8	—	—	—
5	15.32	8.3	38.3	15.35	8.4	38.3	—	—	—
Personnel clerks, except payroll and timekeeping	13.08	7.0	38.1	13.01	4.9	38.0	13.20	15.9	38.3
4	11.23	6.3	38.1	11.68	4.3	38.8	—	—	—
5	16.75	8.2	35.9	17.07	10.0	34.7	—	—	—
6	13.40	9.2	38.2	—	—	—	—	—	—
7	18.73	3.9	40.0	—	—	—	—	—	—
Library clerks	10.05	5.6	27.8	11.44	5.7	33.6	9.69	6.4	26.6
1	7.13	4.6	15.1	—	—	—	6.94	4.8	14.2
2	8.67	5.8	22.8	—	—	—	8.96	6.6	23.6
3	9.73	4.1	25.9	9.94	2.9	21.7	9.72	4.5	26.4
4	9.82	9.6	34.5	11.54	5.6	38.8	9.27	10.3	33.3
5	12.26	8.5	28.9	—	—	—	12.26	8.5	29.1
6	13.79	1.9	39.4	—	—	—	—	—	—
File clerks	9.40	4.1	32.0	9.41	4.2	32.0	—	—	—
1	7.78	4.7	27.8	7.78	4.7	27.8	—	—	—
2	9.85	14.1	33.2	9.85	14.1	33.2	—	—	—
3	9.01	3.8	29.6	9.01	3.9	29.4	—	—	—
Records clerks, n.e.c.	12.28	4.8	37.4	12.09	5.6	37.3	12.96	9.3	38.0
1	6.91	4.1	37.7	—	—	—	—	—	—
2	8.87	3.6	33.5	8.78	3.6	34.0	—	—	—
3	10.03	4.5	35.7	9.83	4.5	35.4	11.96	7.2	38.1
4	13.81	6.3	38.7	13.52	7.3	39.1	14.90	15.0	37.0
5	12.50	4.0	38.3	12.75	4.9	37.7	11.86	2.9	40.0
6	15.20	3.4	38.6	15.20	4.2	39.3	—	—	—
Bookkeepers, accounting and auditing clerks ...	11.86	2.8	34.5	11.78	3.2	34.0	12.48	4.9	38.6
2	9.70	4.0	37.2	9.47	3.5	37.3	—	—	—
3	9.60	4.4	29.1	9.49	4.3	28.9	—	—	—
4	11.19	4.3	34.0	11.12	5.1	33.3	11.56	4.7	38.7
5	13.14	2.5	39.4	13.05	2.8	39.5	14.02	4.5	38.0
6	14.73	3.6	38.0	14.86	4.8	38.0	14.09	4.9	38.5

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 1999—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									
Bookkeepers, accounting and auditing clerks—Continued									
7	\$16.73	7.7	40.0	\$16.82	8.2	40.0	\$15.60	5.7	39.3
Payroll and timekeeping clerks	14.28	4.9	37.7	14.09	5.2	37.7	16.95	13.2	38.5
3	10.87	4.2	39.1	10.87	4.2	39.1	—	—	—
4	14.41	8.1	39.2	14.38	9.2	39.2	—	—	—
5	13.94	5.8	39.7	13.94	5.9	39.7	—	—	—
6	15.69	6.2	40.0	15.69	6.2	40.0	—	—	—
Billing clerks	11.25	4.5	31.9	11.22	4.6	31.7	11.90	4.6	39.9
3	9.52	13.8	39.3	9.50	13.9	39.3	—	—	—
4	11.21	4.1	28.1	11.22	4.3	27.8	10.96	5.2	40.0
5	13.37	4.6	35.6	13.39	4.8	35.4	—	—	—
6	14.75	3.2	39.8	—	—	—	—	—	—
Billing, posting, and calculating machine operators	10.48	5.3	37.5	10.48	5.3	37.5	—	—	—
Mail preparing and paper handling machine operators	9.82	5.4	38.7	9.82	5.4	38.7	—	—	—
Office machine operators, n.e.c.	8.91	6.4	35.1	8.35	3.9	34.2	—	—	—
2	9.10	2.7	35.1	9.10	2.7	35.1	—	—	—
Telephone operators	11.98	8.2	34.3	12.18	8.3	34.0	—	—	—
2	12.47	10.1	35.4	12.70	9.8	35.2	—	—	—
3	11.07	7.3	33.1	11.07	7.9	32.6	—	—	—
Mail clerks, except postal service	9.43	5.6	32.8	9.29	6.0	32.4	—	—	—
1	7.50	3.2	27.1	7.50	3.2	27.1	—	—	—
2	8.45	4.7	32.3	8.45	4.7	32.3	—	—	—
3	9.86	4.9	38.9	9.56	5.5	38.7	—	—	—
Messengers	7.97	9.0	22.2	7.98	9.1	22.4	—	—	—
Dispatchers	12.04	3.6	39.3	—	—	—	12.73	7.5	37.8
3	11.08	5.7	32.6	—	—	—	11.59	6.2	33.0
4	—	—	—	—	—	—	11.43	15.2	39.5
5	14.91	6.6	42.2	15.18	12.1	45.8	14.68	6.0	39.5
6	14.53	3.2	40.0	—	—	—	14.33	3.3	40.0
Production coordinators	16.58	4.9	40.1	16.58	4.9	40.1	—	—	—
3	11.88	3.2	40.0	11.88	3.2	40.0	—	—	—
4	11.58	5.1	40.4	11.58	5.1	40.4	—	—	—
5	15.10	3.4	40.0	15.10	3.4	40.0	—	—	—
7	18.44	5.0	40.1	18.44	5.0	40.1	—	—	—
Traffic, shipping and receiving clerks	10.77	8.0	39.6	10.77	8.0	39.6	—	—	—
2	9.35	3.5	34.7	9.35	3.5	34.7	—	—	—
3	8.59	4.0	40.0	8.59	4.0	40.0	—	—	—
4	13.98	5.8	40.0	13.98	5.8	40.0	—	—	—
5	15.25	8.1	40.0	15.25	8.1	40.0	—	—	—
Stock and inventory clerks	11.86	4.3	33.9	11.76	4.8	33.6	12.74	2.6	37.7
1	7.90	8.1	34.1	7.90	8.1	34.1	—	—	—
3	9.86	3.3	29.1	9.83	3.3	29.0	—	—	—
4	12.54	3.2	39.0	12.53	3.8	39.3	—	—	—
5	14.61	6.9	39.8	14.85	8.3	40.1	—	—	—
Meter readers	13.70	2.6	37.8	13.74	2.7	38.1	—	—	—
Weighers, measurers, checkers, and samplers	18.24	8.1	39.8	18.50	8.4	39.8	—	—	—
Expeditors	12.56	10.7	38.0	12.56	10.8	38.0	—	—	—
4	12.17	10.8	35.1	—	—	—	—	—	—
Material recording, scheduling, and distribution clerks, n.e.c.	15.23	8.7	39.6	15.23	8.7	39.6	—	—	—
3	14.65	14.1	40.0	14.65	14.1	40.0	—	—	—
4	10.06	15.0	35.1	10.06	15.0	35.1	—	—	—
5	15.91	6.7	40.6	15.91	6.7	40.6	—	—	—
Insurance adjusters, examiners, and investigators	16.57	13.5	36.4	16.57	13.5	36.4	—	—	—
5	13.41	9.1	39.0	13.41	9.1	39.0	—	—	—

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 1999—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									
Insurance adjusters, examiners, and investigators—Continued									
6	\$15.22	5.3	38.0	\$15.22	5.3	38.0	—	—	—
7	18.27	3.2	39.2	18.27	3.2	39.2	—	—	—
Investigators and adjusters, except insurance ...	12.51	5.6	38.9	12.41	5.8	39.0	\$15.36	4.1	36.2
3	8.76	5.4	38.8	8.68	5.1	39.4	—	—	—
4	11.71	2.1	38.0	11.68	2.2	37.9	—	—	—
5	14.48	7.3	39.8	14.46	7.4	39.8	—	—	—
6	16.24	4.5	39.9	16.58	4.7	39.9	—	—	—
7	17.28	4.4	39.5	17.34	5.2	39.4	—	—	—
Eligibility clerks, social welfare	13.17	5.1	38.4	10.56	3.9	38.3	14.41	4.4	38.4
4	10.86	5.9	36.8	—	—	—	—	—	—
6	14.74	5.4	38.0	—	—	—	14.74	5.4	38.0
Bill and account collectors	11.74	5.8	38.5	11.64	5.9	38.6	—	—	—
3	10.32	5.0	40.1	10.32	5.0	40.1	—	—	—
4	11.76	5.5	37.2	11.76	5.5	37.2	—	—	—
5	14.40	4.6	39.8	14.30	5.1	40.0	—	—	—
General office clerks	10.79	2.3	34.5	10.30	2.8	33.7	12.45	2.2	37.5
1	7.70	4.3	25.9	7.65	3.7	27.1	8.20	7.8	17.9
2	8.26	6.5	31.2	8.06	6.4	31.1	9.83	6.1	31.9
3	9.59	2.4	34.6	9.34	2.4	34.2	11.26	3.7	37.4
4	11.76	2.3	35.1	11.19	2.5	33.4	12.80	2.7	38.9
5	13.79	4.7	39.0	13.38	4.5	39.2	15.73	8.7	38.2
6	14.57	10.6	39.8	17.46	8.4	39.7	—	—	—
7	15.95	5.4	39.5	15.49	6.1	40.0	—	—	—
Bank tellers	8.92	2.2	32.8	8.92	2.2	32.8	—	—	—
2	7.95	2.1	30.8	7.95	2.1	30.8	—	—	—
3	9.02	4.0	33.0	9.02	4.0	33.0	—	—	—
4	10.41	3.2	36.6	10.41	3.2	36.6	—	—	—
5	10.73	6.0	38.4	10.73	6.0	38.4	—	—	—
Data entry keyers	11.67	6.3	36.7	11.66	6.9	36.6	11.88	4.1	38.3
1	8.23	3.7	37.7	8.23	3.7	37.7	—	—	—
2	9.37	3.3	35.7	9.28	3.5	35.6	—	—	—
3	11.33	6.1	35.6	11.26	7.0	35.2	11.85	4.7	38.8
4	14.65	17.7	38.4	14.81	18.8	38.4	—	—	—
Statistical clerks	11.70	5.2	37.4	11.56	5.6	37.4	—	—	—
4	13.13	4.2	40.0	13.15	4.2	40.0	—	—	—
Teachers' aides	9.87	3.8	31.6	9.91	21.9	26.3	9.87	3.8	32.1
1	8.59	3.7	29.5	6.12	9.6	20.1	8.91	2.6	31.4
2	8.70	6.2	28.9	—	—	—	8.84	7.1	29.7
3	9.57	2.4	32.7	—	—	—	9.59	2.4	32.8
4	9.95	10.6	33.6	—	—	—	10.03	11.0	33.4
5	14.93	13.7	32.4	—	—	—	14.93	13.7	32.4
Administrative support, n.e.c.	11.88	3.1	35.9	11.78	3.4	35.9	12.39	3.8	36.0
2	9.52	3.4	29.9	9.30	4.2	29.7	10.26	4.8	30.2
3	11.00	2.8	31.5	11.05	2.5	30.5	10.85	7.8	35.1
4	11.11	3.7	37.3	10.97	3.5	37.1	11.92	8.4	38.5
5	12.46	7.2	38.2	12.40	8.7	38.4	12.74	2.7	37.3
6	15.13	3.9	39.7	14.85	3.8	39.8	—	—	—
7	16.17	1.9	39.2	16.02	2.4	39.0	—	—	—
Blue collar	14.15	2.1	38.0	14.07	2.2	38.1	16.03	1.9	36.8
1	8.40	3.0	31.9	8.33	3.0	31.8	12.09	12.4	36.1
2	10.06	2.7	37.1	9.96	2.8	37.2	12.85	4.6	35.9
3	13.23	4.4	38.9	13.22	4.5	39.2	13.55	5.7	31.3
4	13.77	3.2	39.3	13.74	3.2	39.5	14.74	2.8	34.6
5	14.53	2.0	39.5	14.51	2.1	39.7	14.94	2.7	37.2
6	16.59	3.5	40.1	16.57	3.6	40.1	17.03	2.8	39.8
7	21.00	2.0	40.0	21.15	2.1	40.1	19.35	4.7	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 1999—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									
8	\$22.44	3.0	40.4	\$22.45	3.2	40.5	\$22.23	6.7	39.8
9	25.48	4.2	40.0	25.51	4.3	40.0	23.71	2.8	40.4
10	27.32	14.3	41.5	27.32	14.3	41.5	—	—	—
Not able to be leveled	15.78	7.1	38.9	15.78	7.1	38.9	—	—	—
Precision production, craft, and repair	18.16	2.9	39.8	18.17	3.1	39.8	17.98	2.8	39.6
2	9.41	9.8	39.0	9.40	9.8	39.0	—	—	—
3	11.03	6.0	39.2	10.87	6.3	39.2	13.54	5.0	40.1
4	13.45	6.4	39.2	13.47	6.5	39.2	12.92	14.5	39.5
5	14.39	3.3	39.8	14.34	3.5	39.8	14.96	4.4	39.1
6	17.17	4.4	39.4	17.15	4.6	39.3	17.71	3.5	39.7
7	21.33	2.2	40.0	21.53	2.3	40.0	19.31	5.3	39.8
8	22.47	3.2	40.4	22.51	3.4	40.4	21.59	6.7	40.0
9	25.56	4.3	40.0	25.59	4.4	40.0	22.92	2.8	40.8
10	27.32	14.3	41.5	27.32	14.3	41.5	—	—	—
Not able to be leveled	18.80	10.2	40.0	18.80	10.2	40.0	—	—	—
Supervisors, mechanics and repairers	23.42	3.5	40.6	23.89	3.9	40.7	20.33	9.6	39.9
7	21.32	8.2	40.0	22.96	8.5	40.2	19.80	11.8	39.9
8	21.54	4.9	42.1	21.52	4.9	42.1	—	—	—
9	28.24	2.6	40.0	28.49	2.6	40.0	—	—	—
Automobile mechanics	14.85	10.3	40.3	14.68	10.6	40.3	17.08	3.7	40.0
6	21.87	16.8	41.8	22.93	18.7	42.2	—	—	—
7	19.09	5.2	40.2	19.96	6.0	40.3	17.15	5.0	40.0
Bus, truck, and stationary engine mechanics	17.13	2.9	40.1	17.18	3.2	40.1	16.62	4.1	40.1
5	13.50	6.1	40.0	12.56	3.6	40.0	—	—	—
7	18.13	4.0	40.1	—	—	—	15.67	5.2	40.0
Automobile body and related repairers	21.08	13.0	42.4	21.08	13.0	42.4	—	—	—
Aircraft mechanics, except engine	21.68	1.8	40.0	21.68	1.8	40.0	—	—	—
Heavy equipment mechanics	16.99	8.3	40.0	17.29	9.3	40.0	15.40	12.0	39.9
6	16.41	8.1	39.8	—	—	—	—	—	—
7	20.19	3.9	40.0	20.24	4.0	40.0	—	—	—
Industrial machinery repairers	18.40	3.1	39.9	18.39	3.2	39.9	—	—	—
5	15.92	6.5	40.0	15.92	6.5	40.0	—	—	—
6	16.16	1.6	40.0	16.16	1.6	40.0	—	—	—
7	20.15	3.6	39.9	20.17	3.6	39.9	—	—	—
8	19.93	4.9	39.5	19.93	4.9	39.5	—	—	—
Machinery maintenance	14.70	3.8	39.5	14.76	4.0	39.7	—	—	—
3	15.18	13.3	37.0	15.18	13.3	37.0	—	—	—
5	12.95	5.5	37.5	13.34	6.8	40.0	—	—	—
7	17.83	6.5	40.1	17.83	6.5	40.1	—	—	—
Electronic repairers, communications and industrial equipment	15.16	5.5	40.0	15.16	5.5	40.0	—	—	—
5	16.57	7.9	40.0	16.57	7.9	40.0	—	—	—
7	19.05	3.5	40.0	19.05	3.5	40.0	—	—	—
Data processing equipment repairers	13.81	8.4	30.0	13.81	8.4	30.0	—	—	—
7	19.98	9.5	40.0	19.98	9.5	40.0	—	—	—
Telephone line installers and repairers	20.55	7.9	40.0	20.55	7.9	40.0	—	—	—
Telephone installers and repairers	15.12	8.9	40.0	15.12	8.9	40.0	—	—	—
7	21.63	3.1	40.0	21.63	3.1	40.0	—	—	—
Heating, air conditioning, and refrigeration mechanics	15.31	8.8	39.4	14.33	14.3	40.0	16.24	3.9	38.9
7	17.60	5.7	39.1	—	—	—	—	—	—
Office machine repairers	15.95	7.8	40.0	15.58	8.1	40.0	—	—	—
Mechanical controls and valve repairers	16.32	5.7	37.0	—	—	—	16.37	6.7	36.6
5	16.12	7.9	36.1	—	—	—	16.12	7.9	36.1
Millwrights	19.04	8.1	40.3	19.04	8.1	40.3	—	—	—
7	21.83	2.9	40.5	21.85	2.9	40.5	—	—	—
Mechanics and repairers, n.e.c.	16.74	3.9	40.0	16.83	4.8	40.0	16.34	3.6	40.0
4	13.25	19.2	40.0	13.28	19.4	40.0	—	—	—
5	15.60	5.7	40.0	16.18	5.5	40.0	13.67	15.2	40.0
6	16.23	6.3	40.0	16.16	6.5	40.0	—	—	—
7	17.82	6.6	39.9	18.12	9.4	39.9	17.01	1.5	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 1999—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, carpenters and related workers	\$24.74	10.4	40.0	\$24.80	10.3	40.0	—	—	—
Supervisors, electricians and power transmission installers	27.46	3.2	40.2	27.46	3.2	40.2	—	—	—
9	27.95	2.7	40.0	27.95	2.7	40.0	—	—	—
Supervisors, plumbers, pipefitters, and steamfitters	31.06	3.7	40.0	31.43	3.1	40.0	—	—	—
9	29.24	2.9	40.1	—	—	—	—	—	—
Supervisors, construction trades, n.e.c.	22.44	8.9	40.0	22.85	9.7	40.0	\$18.76	7.0	39.9
7	23.76	10.8	40.5	24.59	11.0	40.6	16.80	8.1	39.8
8	24.37	7.3	41.2	—	—	—	—	—	—
9	28.51	2.6	36.7	28.57	2.6	36.6	—	—	—
Brickmasons and stonemasons	24.05	9.2	39.4	25.34	7.2	39.3	—	—	—
Carpenters	19.58	9.6	40.4	19.67	10.0	40.5	17.97	18.1	40.0
5	12.74	23.5	39.9	12.94	26.0	39.9	—	—	—
6	17.45	9.9	40.0	17.45	9.9	40.0	—	—	—
7	23.14	6.9	40.8	23.16	7.1	40.8	22.68	14.8	40.0
Electricians	21.17	5.0	40.1	20.80	5.3	40.1	25.14	7.5	39.9
7	22.91	3.2	40.1	22.56	3.3	40.1	25.73	6.0	39.9
8	21.51	8.5	40.0	21.51	8.5	40.0	—	—	—
Electrician apprentices	13.99	8.8	40.0	13.99	8.8	40.0	—	—	—
5	15.55	9.2	40.0	15.55	9.2	40.0	—	—	—
Electrical power installers and repairers	23.60	3.0	40.0	24.10	3.1	40.0	—	—	—
7	23.91	3.9	40.0	23.94	3.9	40.0	—	—	—
8	23.80	5.6	40.0	25.53	3.9	40.0	—	—	—
Painters, construction and maintenance	18.34	5.8	40.0	18.31	6.1	40.0	18.73	7.2	39.9
7	19.89	7.1	40.0	20.10	8.1	40.0	—	—	—
Plumbers, pipefitters and steamfitters	22.15	4.0	39.9	22.72	4.1	40.0	18.42	8.4	39.6
5	15.53	7.8	40.0	—	—	—	—	—	—
7	22.40	4.5	40.0	22.88	4.6	40.0	18.30	13.3	39.7
8	25.31	3.2	40.0	25.31	3.2	40.0	—	—	—
Plumber, pipefitter, and steamfitter apprentices	12.55	11.3	40.0	—	—	—	—	—	—
Construction trades, n.e.c.	19.53	10.7	38.0	22.14	10.8	37.3	15.09	5.8	39.4
3	15.12	9.7	40.0	—	—	—	—	—	—
4	13.89	9.4	39.7	—	—	—	12.28	18.4	39.3
5	16.24	5.4	36.6	—	—	—	16.30	7.2	39.1
6	17.33	5.0	39.7	—	—	—	17.07	7.7	39.4
7	25.30	5.4	37.6	—	—	—	15.85	4.8	40.0
Supervisors, production	19.59	5.0	40.5	19.60	5.0	40.5	—	—	—
5	14.14	2.8	41.2	14.14	2.8	41.2	—	—	—
6	22.05	13.7	40.0	22.19	13.6	40.0	—	—	—
7	19.39	2.7	40.6	19.39	2.7	40.6	—	—	—
8	20.95	3.1	40.2	20.95	3.1	40.2	—	—	—
9	22.41	9.7	41.3	22.41	9.7	41.3	—	—	—
Tool and die makers	20.99	3.3	40.1	20.99	3.3	40.1	—	—	—
7	21.33	4.9	40.2	21.33	4.9	40.2	—	—	—
Tool and die maker apprentices	17.94	11.9	39.5	17.94	11.9	39.5	—	—	—
Precision assemblers, metal	18.06	6.1	40.0	18.06	6.1	40.0	—	—	—
5	15.69	4.2	40.0	15.69	4.2	40.0	—	—	—
7	20.65	6.6	40.0	20.65	6.6	40.0	—	—	—
Machinists	17.00	5.4	38.7	16.94	5.4	38.7	—	—	—
7	18.55	7.7	40.0	18.46	7.8	40.0	—	—	—
Precision grinders, filers, and tool sharpeners ...	16.64	10.9	40.0	16.64	10.9	40.0	—	—	—
5	15.19	7.8	40.0	15.19	7.8	40.0	—	—	—
7	21.83	6.0	40.0	21.83	6.0	40.0	—	—	—
Patternmakers and modelmakers, metal	20.29	10.7	40.0	20.29	10.7	40.0	—	—	—
Sheet metal workers	22.68	9.8	40.0	22.68	9.8	40.0	—	—	—
7	26.22	2.8	40.0	26.22	2.8	40.0	—	—	—
Dental laboratory and medical appliance technicians	14.20	1.3	39.0	14.20	1.3	39.0	—	—	—
Bookbinders	12.72	8.0	39.6	12.72	8.0	39.6	—	—	—

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 1999—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									
Electrical and electronic equipment assemblers	\$9.85	12.3	39.8	\$9.85	12.3	39.8	—	—	—
1	8.94	4.9	35.8	8.94	4.9	35.8	—	—	—
2	8.01	9.3	40.0	8.01	9.3	40.0	—	—	—
4	12.05	3.5	40.0	12.05	3.5	40.0	—	—	—
5	14.02	5.3	40.0	14.02	5.3	40.0	—	—	—
Miscellaneous precision workers, n.e.c.	15.81	4.1	40.0	15.81	4.1	40.0	—	—	—
4	13.92	7.1	40.0	13.92	7.1	40.0	—	—	—
7	17.11	7.1	40.0	17.11	7.1	40.0	—	—	—
Butchers and meat cutters	10.37	17.3	39.2	10.37	17.3	39.2	—	—	—
5	13.27	2.3	39.9	13.27	2.3	39.9	—	—	—
7	14.94	4.7	40.0	14.94	4.7	40.0	—	—	—
Bakers	9.33	6.8	30.8	9.33	6.8	30.8	—	—	—
Food batchmakers	14.37	5.4	40.0	14.37	5.4	40.0	—	—	—
Inspectors, testers, and graders	17.52	5.7	40.1	17.49	5.8	40.1	—	—	—
5	15.36	5.6	40.2	15.36	5.6	40.2	—	—	—
7	21.35	4.7	40.4	21.42	4.8	40.4	—	—	—
Precision inspectors, testers, and related workers, n.e.c.	18.39	17.7	40.0	18.39	17.7	40.0	—	—	—
Water and sewer treatment plant operators	16.27	3.7	40.0	—	—	—	\$16.44	3.5	40.0
5	14.82	2.6	40.0	—	—	—	14.82	2.6	40.0
7	18.85	3.0	40.0	—	—	—	18.92	3.8	40.0
Stationary engineers	22.27	5.1	39.5	21.59	5.7	39.6	23.00	9.0	39.4
5	17.20	9.4	36.6	—	—	—	—	—	—
7	22.97	5.3	39.7	22.57	4.8	40.0	—	—	—
Miscellaneous plant and system operators, n.e.c.	18.29	2.6	40.0	18.41	2.6	40.0	—	—	—
Machine operators, assemblers, and inspectors	12.86	2.6	39.7	12.86	2.6	39.7	12.36	11.0	39.8
1	8.14	4.1	38.3	8.11	4.2	38.3	—	—	—
2	9.93	3.5	39.0	9.93	3.5	39.0	—	—	—
3	13.80	5.9	40.0	13.81	6.0	40.0	—	—	—
4	13.62	4.2	39.9	13.62	4.2	39.9	—	—	—
5	13.80	2.6	40.0	13.80	2.6	40.0	—	—	—
6	15.49	4.2	39.9	15.49	4.2	39.9	—	—	—
7	17.96	2.3	40.7	17.92	2.4	40.7	—	—	—
8	19.22	7.5	40.0	19.22	7.5	40.0	—	—	—
Not able to be leveled	10.43	9.8	36.5	10.43	9.8	36.5	—	—	—
Lathe and turning machine set-up operators	15.35	4.2	40.0	15.35	4.2	40.0	—	—	—
5	14.51	2.2	40.0	14.51	2.2	40.0	—	—	—
Lathe and turning machine operators	13.34	8.3	40.0	13.34	8.3	40.0	—	—	—
5	14.28	9.3	40.0	14.28	9.3	40.0	—	—	—
Milling and planing machine operators									
5	14.40	2.9	40.0	14.40	2.9	40.0	—	—	—
Punching and stamping press operators	13.44	4.7	39.9	13.44	4.7	39.9	—	—	—
1	9.42	12.1	38.6	9.42	12.1	38.6	—	—	—
2	9.79	5.3	40.0	9.79	5.3	40.0	—	—	—
3	16.66	7.8	40.0	16.66	7.8	40.0	—	—	—
4	13.58	6.7	40.0	13.58	6.7	40.0	—	—	—
5	11.96	3.1	40.0	11.96	3.1	40.0	—	—	—
Rolling machine operators	14.28	8.4	41.4	14.28	8.4	41.4	—	—	—
Drilling and boring machine operators	13.62	5.2	40.0	13.62	5.2	40.0	—	—	—
2	9.10	6.6	40.0	9.10	6.6	40.0	—	—	—
3	12.32	2.5	40.0	12.32	2.5	40.0	—	—	—
4	15.76	6.9	40.0	15.76	6.9	40.0	—	—	—
Grinding, abrading, buffing, and polishing machine operators	12.96	4.1	39.8	12.96	4.1	39.8	—	—	—
1	8.74	2.9	39.5	8.74	2.9	39.5	—	—	—
2	10.06	4.5	37.2	10.06	4.5	37.2	—	—	—
3	14.51	4.2	39.8	14.51	4.2	39.8	—	—	—
4	12.29	7.5	40.0	12.29	7.5	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 1999—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									
Grinding, abrading, buffing, and polishing machine operators—Continued									
5	\$13.28	4.5	40.0	\$13.28	4.5	40.0	—	—	—
Forging machine operators	13.63	7.5	40.0	13.63	7.5	40.0	—	—	—
Numerical control machine operators	13.95	5.6	40.0	13.95	5.6	40.0	—	—	—
2	10.45	4.3	40.0	10.45	4.3	40.0	—	—	—
3	12.46	10.5	40.0	12.46	10.5	40.0	—	—	—
4	12.88	12.3	40.0	12.88	12.3	40.0	—	—	—
5	13.09	3.4	40.0	13.09	3.4	40.0	—	—	—
Fabricating machine operators, n.e.c.	14.61	4.5	39.9	14.61	4.5	39.9	—	—	—
2	9.78	5.8	39.8	9.78	5.8	39.8	—	—	—
3	16.42	7.3	39.9	16.42	7.3	39.9	—	—	—
4	15.70	9.6	39.8	15.70	9.6	39.8	—	—	—
6	16.63	9.3	40.0	16.63	9.3	40.0	—	—	—
7	15.15	7.3	40.0	15.15	7.3	40.0	—	—	—
Molding and casting machine operators	10.40	3.5	39.8	10.40	3.5	39.8	—	—	—
1	8.71	8.2	39.6	8.71	8.2	39.6	—	—	—
2	9.95	5.9	39.7	9.95	5.9	39.7	—	—	—
3	10.98	4.6	39.9	10.98	4.6	39.9	—	—	—
4	10.38	7.0	40.0	10.38	7.0	40.0	—	—	—
5	14.45	4.9	40.0	14.45	4.9	40.0	—	—	—
Metal plating machine operators	13.37	7.2	38.7	13.37	7.2	38.7	—	—	—
Shaping and jointing machine operators	11.76	6.5	40.0	11.76	6.5	40.0	—	—	—
Printing press operators	13.32	4.1	39.7	13.32	4.1	39.7	—	—	—
4	12.59	7.1	39.8	12.58	7.2	39.8	—	—	—
5	12.45	7.8	39.7	12.44	7.9	39.8	—	—	—
7	18.44	7.3	39.3	18.44	7.3	39.3	—	—	—
Photoengravers and lithographers	17.18	5.1	39.1	17.18	5.1	39.1	—	—	—
5	14.68	2.1	40.0	14.68	2.1	40.0	—	—	—
7	18.43	8.1	38.7	18.43	8.1	38.7	—	—	—
Typesetters and compositors	12.54	11.1	40.1	12.54	11.1	40.1	—	—	—
Textile sewing machine operators	9.51	13.8	39.6	9.51	13.8	39.6	—	—	—
2	8.17	14.1	40.0	8.17	14.1	40.0	—	—	—
3	11.85	21.6	38.8	11.85	21.6	38.8	—	—	—
Laundry and dry cleaning machine operators	7.54	3.4	36.7	7.32	2.8	36.4	\$9.83	4.1	40.0
1	7.18	5.2	36.6	6.79	2.9	36.2	—	—	—
2	7.56	3.7	35.0	7.48	4.0	34.8	—	—	—
3	8.57	2.2	40.0	8.54	2.3	40.0	—	—	—
Packaging and filling machine operators	13.11	6.0	39.4	13.11	6.0	39.4	—	—	—
1	10.18	10.2	37.1	10.18	10.2	37.1	—	—	—
2	11.62	3.2	37.5	11.62	3.2	37.5	—	—	—
3	12.66	5.8	40.3	12.66	5.8	40.3	—	—	—
4	13.80	12.0	39.9	13.80	12.0	39.9	—	—	—
5	14.52	5.1	40.9	14.52	5.1	40.9	—	—	—
Extruding and forming machine operators	12.07	8.4	40.0	12.07	8.4	40.0	—	—	—
2	10.21	9.5	39.7	10.21	9.5	39.7	—	—	—
3	14.49	24.5	39.9	14.49	24.5	39.9	—	—	—
5	14.79	5.5	40.0	14.79	5.5	40.0	—	—	—
Mixing and blending machine operators	14.12	8.0	40.7	14.12	8.0	40.7	—	—	—
2	13.48	8.2	39.3	13.48	8.2	39.3	—	—	—
3	11.97	8.9	40.0	11.97	8.9	40.0	—	—	—
4	16.84	11.1	39.9	16.84	11.1	39.9	—	—	—
5	16.33	7.3	40.0	16.33	7.3	40.0	—	—	—
Separating, filtering, and clarifying machine operators	15.61	5.7	40.2	15.61	5.7	40.2	—	—	—
5	13.63	8.8	40.6	13.63	8.8	40.6	—	—	—
Compressing and compacting machine operators	11.12	5.8	40.0	11.12	5.8	40.0	—	—	—
Painting and paint spraying machine operators	11.90	6.7	39.8	11.90	6.7	39.8	—	—	—

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 1999—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									
Painting and paint spraying machine operators —Continued									
2	\$10.11	6.7	40.0	\$10.11	6.7	40.0	—	—	—
Washing, cleaning, and pickling machine operators	14.51	10.8	40.0	14.51	10.8	40.0	—	—	—
Furnace, kiln, and oven operators, except food 5	14.36	12.1	40.0	14.10	12.1	40.0	—	—	—
Crushing and grinding machine operators 3	17.35	9.2	40.2	17.31	9.6	40.2	—	—	—
Slicing and cutting machine operators 2	13.40	10.9	40.0	13.40	10.9	40.0	—	—	—
4	13.36	10.0	40.0	13.36	10.0	40.0	—	—	—
Photographic process machine operators Miscellaneous machine operators, n.e.c. 1	13.70	5.0	40.0	13.70	5.0	40.0	—	—	—
2	12.32	6.5	40.0	12.32	6.5	40.0	—	—	—
3	14.10	13.2	40.0	14.10	13.2	40.0	—	—	—
4	10.72	13.3	35.0	10.72	13.3	35.0	—	—	—
5	12.59	4.8	39.8	12.59	4.8	39.8	—	—	—
6	9.44	5.0	38.9	9.44	5.0	38.9	—	—	—
7	10.09	5.2	39.8	10.09	5.2	39.8	—	—	—
Welders and cutters	11.05	8.6	39.9	11.05	8.6	39.9	—	—	—
2	15.00	6.3	40.0	15.00	6.3	40.0	—	—	—
3	14.82	3.7	39.9	14.82	3.7	39.9	—	—	—
4	17.90	3.1	40.0	17.90	3.1	40.0	—	—	—
5	20.10	6.7	39.9	20.27	6.7	39.9	—	—	—
6	15.03	3.2	40.0	15.03	3.2	40.0	—	—	—
7	12.53	11.3	40.0	12.53	11.3	40.0	—	—	—
Solders and braziers	16.42	11.3	40.0	16.42	11.3	40.0	—	—	—
Assemblers	14.85	6.4	40.0	14.85	6.4	40.0	—	—	—
1	14.16	3.3	40.1	14.16	3.3	40.1	—	—	—
2	17.60	4.4	40.0	17.60	4.4	40.0	—	—	—
3	13.21	5.7	40.0	13.21	5.7	40.0	—	—	—
4	13.26	5.3	39.2	13.26	5.3	39.2	—	—	—
5	7.52	5.7	38.3	7.52	5.7	38.3	—	—	—
6	9.86	7.3	38.0	9.86	7.3	38.0	—	—	—
7	16.61	6.4	40.0	16.61	6.4	40.0	—	—	—
Hand molding, casting, and forming	14.72	9.0	39.7	14.72	9.0	39.7	—	—	—
Hand painting, coating, and decorating	13.88	9.0	39.8	13.88	9.0	39.8	—	—	—
Hand engraving and printing	17.86	5.0	39.5	17.86	5.0	39.5	—	—	—
Miscellaneous hand working, n.e.c. 1	11.57	1.6	40.0	11.57	1.6	40.0	—	—	—
2	10.80	11.5	40.0	10.13	12.1	40.0	—	—	—
3	9.15	5.2	40.0	9.15	5.2	40.0	—	—	—
4	12.30	7.2	39.8	12.30	7.2	39.8	—	—	—
5	7.96	5.2	37.0	7.96	5.2	37.0	—	—	—
6	9.54	9.9	40.0	9.54	9.9	40.0	—	—	—
7	16.57	6.5	40.0	16.57	6.5	40.0	—	—	—
Production inspectors, checkers and examiners 1	12.41	9.3	40.0	12.41	9.3	40.0	—	—	—
2	12.01	6.0	40.0	12.00	6.0	40.0	—	—	—
3	9.34	4.3	38.9	9.34	4.3	38.9	—	—	—
4	10.79	10.0	40.0	10.79	10.0	40.0	—	—	—
5	11.27	12.0	40.0	11.27	12.0	40.0	—	—	—
6	11.40	3.0	39.9	11.40	3.0	39.9	—	—	—
7	12.34	3.5	40.5	12.34	3.5	40.5	—	—	—
Production testers	18.16	5.1	39.9	18.19	5.1	39.9	—	—	—
4	16.27	11.1	40.0	16.27	11.1	40.0	—	—	—
5	14.38	8.2	40.0	14.38	8.2	40.0	—	—	—
Graders and sorters, except agricultural 1	13.60	5.6	40.0	13.60	5.6	40.0	—	—	—
2	15.31	5.0	40.0	15.31	5.0	40.0	—	—	—
Transportation and material moving	9.92	6.2	40.0	9.92	6.2	40.0	—	—	—
1	13.67	4.8	36.4	13.54	5.3	36.9	\$14.97	2.7	32.0
2	7.30	12.6	28.2	7.30	12.7	28.2	—	—	—
3	10.42	9.0	35.7	10.00	8.7	35.8	14.96	4.3	33.9

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 1999—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									
3	\$12.85	5.4	36.1	\$12.69	6.0	37.6	\$13.89	7.1	28.9
4	14.69	4.1	37.8	14.66	4.4	38.8	14.99	3.4	30.0
5	17.05	2.3	37.5	17.41	2.8	38.1	15.04	5.4	34.3
6	16.72	7.6	46.0	16.76	8.0	46.3	15.77	3.3	40.0
7	20.28	5.0	40.2	20.23	5.2	40.2	21.60	3.0	40.0
Supervisors, motor vehicle operators	—	—	—	—	—	—	22.34	3.3	40.0
5	13.86	10.6	39.9	13.86	10.6	39.9	—	—	—
7	—	—	—	—	—	—	22.34	3.3	40.0
Truck drivers	14.64	4.0	39.9	14.57	4.2	40.0	15.75	6.8	38.9
1	7.94	9.9	36.0	7.94	10.0	36.0	—	—	—
2	10.87	4.4	39.0	10.82	4.6	39.3	—	—	—
3	12.79	10.1	38.9	12.28	10.2	38.8	17.58	9.9	39.7
4	14.96	5.9	40.7	14.95	6.2	40.7	15.22	8.2	39.9
5	18.12	3.2	39.2	18.30	4.1	39.3	14.72	8.3	38.4
6	18.56	7.0	49.7	18.81	7.1	50.6	—	—	—
Driver-sales workers	10.86	16.6	28.9	10.86	16.6	28.9	—	—	—
Bus drivers	12.12	9.1	28.8	10.35	13.2	29.8	14.08	2.4	27.8
2	11.32	16.1	34.0	—	—	—	16.05	2.8	32.9
3	11.27	4.5	24.2	—	—	—	12.41	3.4	25.6
4	12.95	5.8	26.6	—	—	—	14.34	2.8	25.1
5	15.51	6.7	26.7	—	—	—	13.88	8.6	28.5
Taxicab drivers and chauffeurs	8.50	13.4	29.8	8.50	13.4	29.8	—	—	—
1	8.96	13.1	31.1	8.96	13.1	31.1	—	—	—
Parking lot attendants	7.68	10.2	33.9	7.67	10.3	33.9	—	—	—
1	7.42	22.4	28.8	7.40	22.7	28.7	—	—	—
Motor transportation, n.e.c.	7.36	9.5	20.4	6.72	6.1	19.9	—	—	—
1	5.99	3.5	25.3	5.99	3.5	25.3	—	—	—
2	7.53	11.4	20.0	7.53	11.4	20.0	—	—	—
Supervisors, material moving equipment	17.51	5.8	40.3	17.51	5.8	40.3	—	—	—
7	15.65	3.6	40.6	15.65	3.6	40.6	—	—	—
Operating engineers	21.82	2.1	40.0	—	—	—	17.88	8.8	39.9
4	19.36	9.6	40.0	—	—	—	—	—	—
5	19.37	7.9	40.0	—	—	—	16.89	11.4	40.0
Crane and tower operators	14.54	4.4	40.4	14.54	4.4	40.4	—	—	—
4	14.09	5.1	40.0	14.09	5.1	40.0	—	—	—
5	16.08	6.6	42.2	16.08	6.6	42.2	—	—	—
Excavating and loading machine operators	16.13	3.9	40.0	16.07	4.2	40.0	—	—	—
Grader, dozer, and scrapper operators	16.77	9.7	40.2	17.64	10.2	40.2	—	—	—
5	14.87	5.2	40.0	—	—	—	—	—	—
Industrial truck and tractor equipment operators	13.55	4.5	39.7	13.54	4.5	39.7	—	—	—
1	8.69	5.3	40.0	8.69	5.3	40.0	—	—	—
2	11.20	4.6	39.5	11.20	4.6	39.5	—	—	—
3	14.16	3.5	39.6	14.16	3.5	39.6	—	—	—
4	14.50	9.9	40.0	14.50	9.9	40.0	—	—	—
5	13.84	7.4	40.0	13.80	9.0	40.0	—	—	—
Miscellaneous material moving equipment operators, n.e.c.	13.79	6.6	38.4	13.75	6.8	38.3	14.58	10.0	40.0
3	12.78	14.9	40.1	12.82	15.3	40.1	—	—	—
4	14.24	3.7	39.5	14.45	3.6	39.5	—	—	—
5	18.15	4.3	37.0	18.24	4.6	36.8	—	—	—
6	17.54	3.2	40.0	—	—	—	—	—	—
Handlers, equipment cleaners, helpers, and laborers	10.85	2.7	34.0	10.70	2.9	33.8	13.83	4.3	38.1
1	8.69	3.9	29.9	8.59	4.0	29.8	12.67	14.2	35.2
2	10.11	2.7	35.4	10.11	2.9	35.2	10.15	7.9	38.8
3	12.37	7.9	38.2	12.36	8.1	38.2	13.18	5.6	38.1
4	13.63	3.9	39.1	13.44	4.5	39.1	15.06	3.6	38.8
5	14.78	5.6	39.3	14.80	6.5	39.4	14.68	5.9	38.6
6	16.68	8.4	40.0	16.87	9.5	40.0	15.40	2.4	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 1999—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									
7	\$18.87	5.0	40.0	\$19.02	8.1	40.0	\$18.65	3.4	40.0
Supervisors, agriculture-related workers	20.41	11.7	40.0	—	—	—	18.23	12.5	40.0
7	21.37	11.8	40.0	—	—	—	—	—	—
Groundskeepers and gardeners, except farm ...	11.80	4.8	37.2	11.21	8.8	38.1	12.78	5.1	35.9
1	8.32	5.7	32.1	7.60	2.7	35.0	10.02	10.5	26.9
2	11.33	5.9	38.9	8.95	7.9	40.0	11.90	6.5	38.7
3	10.35	6.0	37.3	9.78	4.7	37.7	11.35	10.2	36.5
4	11.38	6.5	37.7	—	—	—	—	—	—
5	—	—	—	—	—	—	15.29	13.5	37.7
Supervisors, handlers, equipment cleaners, and laborers, n.e.c.	13.91	7.7	39.9	13.24	6.9	39.9	—	—	—
4	10.37	13.7	39.9	10.37	13.7	39.9	—	—	—
5	13.89	7.2	38.3	13.56	7.2	38.2	—	—	—
7	17.88	5.9	40.0	16.15	8.0	40.0	—	—	—
Helpers, mechanics and repairers	13.94	3.0	39.6	—	—	—	14.67	7.7	36.2
4	13.74	6.7	40.0	11.43	6.0	40.0	—	—	—
Construction laborers	16.55	10.6	38.5	16.66	11.0	38.5	13.96	7.9	38.9
1	10.05	9.0	31.0	10.05	9.1	30.9	—	—	—
2	12.14	12.1	40.0	12.26	13.0	40.0	—	—	—
4	15.52	3.8	39.2	15.52	3.8	39.2	—	—	—
Production helpers	10.06	5.6	39.6	10.04	5.6	39.6	—	—	—
1	8.34	7.2	39.9	8.34	7.2	39.9	—	—	—
2	9.77	7.1	39.7	9.77	7.1	39.7	—	—	—
3	10.40	6.0	39.4	10.37	6.0	39.4	—	—	—
Stock handlers and baggers	9.15	4.4	28.9	9.14	4.4	28.8	—	—	—
1	7.61	5.7	23.9	7.61	5.7	23.9	—	—	—
2	9.73	4.9	32.7	9.73	4.9	32.7	—	—	—
3	10.24	8.0	37.5	10.22	8.2	37.5	—	—	—
4	11.73	9.4	40.0	11.68	9.5	40.0	—	—	—
5	14.47	6.9	38.2	14.47	6.9	38.2	—	—	—
Machine feeders and offbearers	9.81	4.0	39.5	9.81	4.0	39.5	—	—	—
1	8.79	5.1	38.9	8.79	5.1	38.9	—	—	—
2	9.02	5.8	39.9	9.02	5.8	39.9	—	—	—
3	11.84	5.8	40.0	11.84	5.8	40.0	—	—	—
4	13.10	11.1	40.0	13.10	11.1	40.0	—	—	—
Freight, stock, and material handlers, n.e.c.	13.49	7.1	31.6	13.47	7.2	31.5	—	—	—
1	9.81	6.1	23.7	9.64	6.2	23.5	—	—	—
2	10.35	5.7	31.3	10.35	5.7	31.3	—	—	—
3	15.98	6.2	36.5	15.98	6.2	36.5	—	—	—
4	14.76	6.5	33.9	14.76	6.5	33.9	—	—	—
5	14.39	5.0	38.4	14.39	5.0	38.4	—	—	—
Garage and service station related	8.38	17.5	34.1	8.30	17.7	34.0	—	—	—
Vehicle washers and equipment cleaners	9.26	9.4	34.4	9.27	9.4	34.4	—	—	—
1	8.11	10.1	33.6	8.11	10.1	33.7	—	—	—
2	15.57	3.6	40.0	15.57	3.6	40.0	—	—	—
3	12.86	7.6	32.5	12.86	7.6	32.5	—	—	—
Hand packers and packagers	9.21	4.7	38.9	9.21	4.7	38.9	—	—	—
1	8.38	7.0	39.1	8.38	7.0	39.1	—	—	—
2	9.10	2.9	39.4	9.10	2.9	39.4	—	—	—
3	10.70	3.4	34.0	10.70	3.4	34.0	—	—	—
4	16.87	7.5	39.4	16.87	7.5	39.4	—	—	—
Laborers, except construction, n.e.c.	10.46	4.7	34.2	10.23	5.2	33.8	12.66	8.6	39.1
1	8.99	6.9	32.3	8.68	6.7	32.0	13.42	18.8	37.3
2	10.25	7.0	32.9	10.36	7.4	32.2	9.28	13.8	40.0
3	12.22	9.2	39.6	12.05	9.4	39.6	16.98	6.9	40.0
4	14.00	2.1	40.0	—	—	—	13.86	4.6	40.0
5	13.99	4.6	39.9	—	—	—	14.10	4.9	39.9

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 1999—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	\$9.23	2.1	30.4	\$7.84	1.6	29.3	\$14.47	2.8	35.9
1	6.93	3.7	25.4	6.75	4.6	25.4	9.44	5.0	25.6
2	7.34	3.5	30.3	6.92	3.9	29.8	10.06	4.4	33.6
3	8.61	1.7	33.2	8.15	1.7	32.9	11.06	2.3	35.0
4	9.69	3.6	33.5	9.09	4.2	32.7	11.84	3.1	36.8
5	13.36	3.2	33.7	13.11	4.7	33.1	13.83	2.3	34.7
6	15.37	4.1	39.6	12.72	6.7	37.3	16.81	3.3	40.9
7	17.25	3.6	39.4	14.04	8.3	32.9	17.94	3.7	41.1
8	20.70	2.3	40.3	16.45	10.1	40.7	21.07	2.2	40.3
9	23.14	2.5	42.0	—	—	—	23.06	2.5	42.3
10	26.28	10.4	42.1	—	—	—	26.28	10.4	42.1
Not able to be leveled	11.42	8.8	26.3	10.28	6.9	25.4	—	—	—
Protective service	15.37	3.6	36.5	8.55	4.7	31.6	18.39	1.8	39.2
1	—	—	—	—	—	—	6.76	5.0	14.6
2	7.30	4.3	32.6	7.12	4.2	33.6	9.59	11.6	23.5
3	9.21	8.1	32.1	7.65	3.4	31.4	13.76	5.8	34.4
4	10.81	7.7	35.5	9.58	10.6	35.0	12.25	6.2	36.0
5	13.12	4.7	31.5	10.08	9.0	26.8	14.33	4.3	33.9
6	16.88	3.2	40.6	16.75	5.9	35.2	16.89	3.4	41.0
7	17.93	3.7	39.4	16.55	8.1	21.3	18.00	3.9	41.2
8	21.07	2.2	40.5	—	—	—	21.10	2.2	40.5
9	22.95	2.7	42.3	—	—	—	22.95	2.7	42.3
10	26.28	10.4	42.1	—	—	—	26.28	10.4	42.1
Supervisors, firefighters and fire prevention	19.23	4.1	50.1	—	—	—	19.23	4.1	50.1
9	20.83	3.5	49.2	—	—	—	20.83	3.5	49.2
Supervisors, police and detectives	25.23	8.4	40.1	—	—	—	25.23	8.4	40.1
8	22.23	3.7	40.4	—	—	—	22.23	3.7	40.4
9	26.33	2.4	39.9	—	—	—	26.33	2.4	39.9
10	30.41	8.9	40.0	—	—	—	30.41	8.9	40.0
Supervisors, guards	14.53	15.4	37.0	13.96	10.4	37.1	—	—	—
7	15.84	25.3	37.6	—	—	—	—	—	—
Firefighting	17.65	4.1	45.2	—	—	—	17.65	4.1	45.2
5	13.78	6.2	29.3	—	—	—	13.78	6.2	29.3
6	16.61	5.6	45.3	—	—	—	16.61	5.6	45.3
7	18.71	6.7	47.2	—	—	—	18.71	6.7	47.2
8	18.06	4.4	53.0	—	—	—	18.06	4.4	53.0
Police and detectives, public service	20.40	2.1	38.8	—	—	—	20.44	2.0	38.8
5	18.13	6.5	19.0	—	—	—	18.13	6.5	19.0
6	18.79	5.3	37.4	—	—	—	18.79	5.3	37.4
7	18.80	3.6	39.2	—	—	—	18.89	3.5	39.2
8	21.54	2.4	39.7	—	—	—	21.54	2.4	39.7
9	23.06	5.0	40.7	—	—	—	23.06	5.0	40.7
Sheriffs, bailiffs, and other law enforcement officers	15.45	4.2	39.7	—	—	—	15.45	4.2	39.7
4	13.06	9.0	38.5	—	—	—	13.06	9.0	38.5
7	14.61	8.8	40.0	—	—	—	14.61	8.8	40.0
8	18.42	5.6	40.4	—	—	—	18.42	5.6	40.4
Correctional institution officers	15.19	4.0	38.6	—	—	—	15.19	4.0	38.6
4	11.38	6.5	35.0	—	—	—	11.38	6.5	35.0
5	14.17	6.0	39.4	—	—	—	14.17	6.0	39.4
6	17.57	.9	38.5	—	—	—	17.57	.9	38.5
7	16.13	5.0	40.0	—	—	—	16.13	5.0	40.0
Crossing guards	7.81	11.3	14.1	—	—	—	7.89	11.6	14.3
1	6.74	5.2	14.5	—	—	—	6.80	5.5	14.8
Guards and police, except public service	8.63	5.1	31.9	8.18	4.5	32.1	14.43	7.2	29.6
2	7.12	4.5	35.2	7.11	4.4	35.2	—	—	—
3	8.50	8.5	32.6	7.68	3.4	32.3	14.41	11.6	35.2
4	9.63	10.7	34.6	9.58	10.9	34.8	—	—	—
5	12.46	5.3	24.4	12.06	5.0	24.8	13.53	11.5	23.2
6	11.71	2.6	32.6	—	—	—	—	—	—
7	17.25	6.3	16.4	16.42	6.4	14.6	—	—	—
Protective service, n.e.c.	10.30	14.5	26.6	7.19	6.3	22.8	12.71	14.7	30.5
2	7.69	7.1	21.7	—	—	—	8.18	14.4	24.0

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 1999—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									
3	\$8.54	21.4	21.0	—	—	—	\$11.30	10.4	20.2
4	9.70	2.8	33.7	—	—	—	9.70	2.8	33.7
Food service	6.55	2.6	27.0	\$6.32	2.6	26.9	9.73	2.9	29.9
1	5.63	4.7	23.5	5.49	4.8	23.4	8.95	5.6	24.5
2	5.51	6.8	28.3	5.37	7.0	28.2	8.62	6.0	30.1
3	7.53	5.2	30.0	7.11	6.0	29.9	9.98	3.0	31.0
4	8.41	5.3	31.4	8.22	5.3	31.0	10.13	5.4	35.7
5	11.14	3.7	37.8	11.14	3.9	38.1	11.10	7.4	34.8
6	11.15	8.5	40.9	10.93	8.5	41.1	—	—	—
7	13.73	6.3	40.9	13.53	6.6	40.9	—	—	—
8	14.96	3.0	36.6	—	—	—	—	—	—
Waiters, waitresses, and bartenders	4.42	6.2	25.0	4.42	6.2	25.1	—	—	—
1	4.06	9.9	23.3	4.06	9.9	23.3	—	—	—
2	4.03	13.9	27.2	4.03	13.9	27.2	—	—	—
3	4.80	10.9	23.1	4.80	10.9	23.1	—	—	—
Bartenders	6.39	3.3	23.7	6.39	3.3	23.7	—	—	—
2	5.97	1.8	24.0	5.97	1.8	24.0	—	—	—
3	6.46	9.1	17.1	6.46	9.1	17.1	—	—	—
Waiters and waitresses	3.21	3.9	25.9	3.21	3.9	25.9	—	—	—
1	3.27	4.3	22.9	3.27	4.3	22.9	—	—	—
2	2.97	5.9	29.6	2.97	5.9	29.6	—	—	—
3	3.88	13.8	28.2	3.88	13.8	28.2	—	—	—
Waiters/Waitresses' assistants	5.78	7.2	24.5	5.78	7.2	24.5	—	—	—
1	6.06	5.4	24.4	6.06	5.4	24.4	—	—	—
Other food service	7.82	2.4	28.4	7.59	2.5	28.2	9.75	2.9	30.0
1	6.62	2.0	23.6	6.46	1.8	23.5	8.95	5.6	24.5
2	7.24	4.1	29.7	7.09	4.3	29.6	8.71	6.2	30.6
3	8.12	5.2	32.2	7.72	6.2	32.4	9.98	3.0	31.0
4	9.25	3.0	36.1	9.08	3.3	36.2	10.13	5.4	35.7
5	11.14	3.7	37.8	11.14	3.9	38.1	11.10	7.4	34.8
6	11.15	8.5	40.9	10.93	8.5	41.1	—	—	—
7	13.73	6.3	40.9	13.53	6.6	40.9	—	—	—
8	14.96	3.0	36.6	—	—	—	—	—	—
Supervisors, food preparation and service	9.77	6.8	36.6	9.68	7.3	36.8	10.86	9.0	34.2
3	5.74	25.1	29.7	5.74	25.1	29.7	—	—	—
4	9.37	3.2	39.2	9.35	3.5	40.1	—	—	—
5	11.51	4.6	37.4	11.64	4.9	37.7	—	—	—
6	11.04	8.5	40.9	10.93	8.5	41.1	—	—	—
7	13.73	6.3	40.9	13.53	6.6	40.9	—	—	—
Cooks	8.66	2.2	32.4	8.32	2.5	32.2	10.21	2.1	33.5
1	7.23	13.2	25.1	6.18	7.3	23.2	—	—	—
2	8.02	3.7	29.5	7.95	3.9	29.6	9.90	5.8	28.0
3	8.92	2.2	36.3	8.60	2.0	37.3	9.95	3.7	33.1
4	9.09	5.5	33.0	8.70	6.3	32.0	10.73	7.0	37.9
5	10.37	4.1	38.4	10.07	4.9	38.9	—	—	—
Food counter, fountain, and related	5.93	5.6	20.9	5.91	5.7	21.0	6.66	11.6	17.7
1	6.04	4.3	19.2	6.05	4.4	19.3	—	—	—
2	5.46	10.2	22.5	5.43	10.3	22.5	—	—	—
Kitchen workers, food preparation	7.00	3.4	27.1	6.95	3.8	26.9	7.70	2.3	31.8
1	6.89	2.9	22.8	6.89	2.9	22.9	—	—	—
2	6.88	6.7	36.3	6.76	8.2	36.3	—	—	—
3	7.90	4.6	25.1	7.86	4.8	24.8	—	—	—
Food preparation, n.e.c.	6.90	2.8	25.2	6.61	2.6	25.2	9.44	4.1	25.3
1	6.54	2.8	24.3	6.38	2.6	24.4	8.73	7.1	23.6
2	7.62	3.8	28.2	7.30	4.0	28.3	9.47	4.5	27.3
3	7.92	9.1	27.2	6.96	10.0	28.6	10.33	3.4	24.1
4	9.04	15.3	31.0	—	—	—	—	—	—
Health service	9.15	1.3	34.3	8.77	1.2	33.9	11.32	5.5	36.5
1	7.74	3.6	32.2	7.59	3.2	31.0	—	—	—
2	8.22	2.2	34.9	8.19	2.1	35.1	8.44	11.4	33.3

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 1999—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									
3	\$8.98	1.9	34.1	\$8.73	0.8	33.8	\$11.11	2.8	37.6
4	9.94	4.1	34.1	9.41	2.5	33.6	12.28	4.3	37.0
5	12.80	3.2	36.7	10.91	3.4	36.7	13.81	2.1	36.8
Dental assistants	9.29	6.5	38.2	9.29	6.5	38.2	—	—	—
Health aides, except nursing	9.95	3.2	33.4	9.26	2.4	33.5	12.85	1.7	33.1
1	7.84	6.8	36.1	7.84	6.8	36.1	—	—	—
2	8.14	6.7	31.0	7.53	6.7	32.2	—	—	—
3	9.41	4.4	30.4	8.93	2.8	30.3	13.16	3.6	31.9
4	10.59	2.7	37.3	10.49	2.8	37.7	—	—	—
5	12.42	3.1	36.8	11.00	4.1	38.1	13.33	.7	36.0
Nursing aides, orderlies and attendants	8.88	1.9	34.0	8.52	1.1	33.3	10.74	6.8	38.0
1	7.69	4.8	30.6	7.43	4.2	28.4	—	—	—
2	8.23	1.8	35.6	8.28	1.7	35.5	7.71	8.3	36.1
3	8.96	2.8	33.7	8.68	1.2	33.0	10.71	1.5	39.0
4	9.65	6.3	32.9	8.82	2.6	31.6	12.28	4.7	37.5
5	13.67	5.8	36.5	10.61	4.7	32.5	14.74	1.7	38.2
Cleaning and building service	9.11	4.5	31.8	8.59	3.3	30.7	11.69	3.1	38.5
1	7.92	2.3	28.2	7.72	2.0	27.7	11.39	3.9	37.7
2	9.82	3.2	33.7	9.25	3.8	32.1	11.12	3.8	38.2
3	9.46	5.1	37.5	—	—	—	11.19	4.5	38.3
4	11.83	4.5	40.2	11.51	6.8	40.5	12.40	2.5	39.8
5	12.88	5.3	39.8	12.63	5.1	39.6	13.94	5.8	40.8
6	13.42	9.1	40.0	12.95	10.2	40.0	—	—	—
7	17.75	9.4	40.0	—	—	—	16.88	12.5	40.0
Supervisors, cleaning and building service workers	—	—	—	—	—	—	15.35	11.7	39.7
4	14.02	17.4	42.7	13.95	18.6	42.8	—	—	—
5	13.40	4.8	39.9	13.37	5.3	39.9	—	—	—
6	13.66	12.6	40.0	—	—	—	—	—	—
7	17.68	12.2	40.0	—	—	—	17.60	14.0	40.0
Maids and housemen	7.07	2.2	30.7	7.05	2.2	30.7	8.35	5.8	30.4
1	6.96	3.3	35.3	6.96	3.3	35.3	—	—	—
2	7.08	3.5	25.9	7.03	3.8	25.8	—	—	—
Janitors and cleaners	9.20	5.1	30.8	8.60	4.2	29.3	11.52	3.0	38.5
1	8.01	2.6	27.5	7.79	2.0	27.1	11.44	3.8	37.6
2	10.35	2.9	35.9	9.89	3.9	34.6	11.16	4.0	38.4
3	10.60	2.6	37.0	9.89	3.1	35.7	11.19	4.7	38.3
4	11.56	3.7	39.9	11.00	5.3	40.0	12.35	2.4	39.8
5	12.73	6.6	39.8	—	—	—	14.03	6.7	41.0
6	12.90	9.8	40.0	—	—	—	—	—	—
Personal service	8.92	5.1	26.9	8.62	6.0	27.2	10.42	7.8	25.8
1	6.62	5.0	17.9	6.44	6.3	18.5	7.10	4.9	16.5
2	7.10	3.9	24.7	6.68	3.2	24.3	9.04	3.9	27.2
3	7.55	4.9	30.0	7.34	5.0	30.3	9.64	3.5	27.3
4	9.23	8.0	31.8	8.72	9.0	31.2	11.48	11.7	35.1
5	15.49	11.2	29.3	15.89	13.7	29.3	12.65	4.4	29.2
6	11.44	5.9	39.9	10.60	2.0	39.9	—	—	—
7	13.00	16.7	37.1	—	—	—	—	—	—
8	17.98	17.4	39.6	—	—	—	—	—	—
Attendants, amusement, and recreation facilities	6.00	4.3	20.3	—	—	—	6.82	4.8	21.2
1	—	—	—	—	—	—	5.96	3.1	18.3
2	7.12	5.4	21.1	—	—	—	7.85	2.7	31.0
3	7.36	7.2	19.9	—	—	—	7.45	7.5	20.4
Ushers	5.99	1.6	13.9	5.98	1.6	14.0	—	—	—
1	5.98	1.6	13.9	5.98	1.6	14.0	—	—	—
Public transportation attendants	32.18	8.6	18.7	—	—	—	—	—	—
Baggage porters and bellhops	6.01	8.6	34.9	6.01	8.6	34.9	—	—	—
Welfare service aides	7.33	4.8	28.8	7.20	4.7	28.5	8.71	22.1	33.6
1	6.21	2.7	27.6	6.17	4.9	22.8	—	—	—
2	6.58	6.3	24.5	6.58	6.3	24.9	—	—	—

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 1999—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									
Welfare service aides—Continued									
3	\$7.40	6.7	31.1	\$7.40	6.7	31.1	—	—	—
4	9.00	1.9	35.6	—	—	—	—	—	—
5	12.89	7.1	36.0	—	—	—	—	—	—
Early childhood teachers' assistants	7.11	7.3	27.0	6.59	6.1	26.3	\$9.50	2.5	30.6
1	7.57	5.6	12.0	6.94	9.3	11.2	8.17	5.3	12.9
2	6.90	4.7	25.4	—	—	—	8.72	5.9	32.3
3	6.95	10.8	28.3	6.39	8.6	27.4	10.03	3.2	34.2
4	7.30	9.6	29.5	6.81	8.8	28.5	9.63	2.7	35.3
Child care workers, n.e.c.	9.25	4.7	24.7	8.29	4.2	27.5	10.70	6.6	21.4
1	6.60	5.9	12.0	5.29	.6	12.3	7.17	6.2	11.9
2	8.68	6.0	21.8	7.16	4.2	19.1	9.68	4.2	24.0
3	8.49	8.4	30.2	8.00	9.8	30.6	10.32	7.8	29.0
4	10.31	15.8	30.5	7.98	7.3	29.1	15.59	13.2	34.4
5	10.63	7.5	35.4	9.75	8.3	35.6	12.05	7.3	35.0
Service, n.e.c.	9.44	5.7	25.1	8.61	3.3	25.2	12.28	12.0	25.1
1	8.12	3.8	18.1	7.90	4.6	18.8	9.55	5.3	14.3
2	7.97	9.1	25.3	7.84	9.4	25.7	—	—	—
3	8.93	4.8	25.9	8.97	4.9	27.5	8.34	19.5	14.2
4	11.04	9.1	35.9	9.62	8.5	36.5	12.41	11.7	35.3
5	9.23	12.0	23.1	8.11	8.6	27.9	12.52	8.8	15.4

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, etc. Points are assigned based on the occupation's rank within each factor. The points are summed to determine the overall level of the occupation. See 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, collection was conducted between November 1998 and April 2000. The average reference period was October 1999. For the first time, estimates include workers in private establishments employing fewer than 50 workers.

⁵ 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 A. Number of workers¹ represented by the survey, by occupational group,² East North Central, National Compensation Survey,³ 1999

Occupational group	All industries	Private industry	State and local government
All	16,324,200	13,947,000	2,377,200
All, excluding sales	14,850,600	12,478,000	2,372,600
White collar	7,779,600	6,210,500	1,569,100
White collar, excluding sales	6,306,000	4,741,500	1,564,500
Professional specialty and technical	2,647,300	1,677,500	969,900
Professional specialty occupations	2,110,400	1,202,200	908,200
Technical occupations	536,900	475,300	61,600
Executive, administrative, and managerial	1,101,800	931,500	170,300
Sales	1,473,600	1,469,000	4,600
Administrative support, including clerical	2,556,900	2,132,600	424,400
Blue collar	5,687,100	5,421,000	266,100
Precision production, craft, and repair	1,599,200	1,492,600	106,600
Machine operators, assemblers, and inspectors	2,057,000	2,050,900	6,100
Transportation and material moving	801,000	706,000	95,000
Handlers, equipment cleaners, helpers, and laborers	1,230,000	1,171,500	58,400
Service	2,857,400	2,315,500	542,000

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

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

Industry division	Number of establishments studied						
	Total	1 to 99 workers ²	100 to 499 workers	500 to 999 workers	1000 to 2,499 workers	2,500 to 4,999 workers	5,000 or more workers
All	3,627	1,161	1,491	434	310	135	96
Private Industry	3,105	1,109	1,269	313	242	106	66
Goods-producing industries	1,104	304	494	132	95	59	20
Mining	19	13	6	—	—	—	—
Construction	128	84	39	5	—	—	—
Manufacturing	957	207	449	127	95	59	20
Durable goods	702	158	307	92	75	51	19
Nondurable goods	255	49	142	35	20	8	1
Service-producing industries	2,001	805	775	181	147	47	46
Transportation and utilities	181	67	65	22	15	7	5
Wholesale trade	120	62	47	7	3	—	1
Retail trade	473	261	171	28	9	2	2
Finance, insurance and real estate	226	104	46	26	25	7	18
Services	1,001	311	446	98	95	31	20
State and local government	522	52	222	121	68	29	30

¹ In this census division, collection was conducted between November 1998 and April 2000. The average reference period was October 1999. For the first time, estimates include workers in private establishments employing fewer than 50 workers.

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.

Technical Note

The data in these tables are based on the National Compensation Survey (NCS) conducted by the Bureau of Labor Statistics 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 3,627 establishments, representing approximately 16,324,200 workers within the scope of the survey. Beginning with the 1999 NCS, private sector establishments with 1 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 (MSAs) or Consolidated Metropolitan Statistical Areas (CMSAs), as defined in 1994 by the U.S. Office of Management and Budget. Nonmetropolitan areas are counties or parishes that do not fit the metropolitan area definition.

The NCS locality areas that contribute to the East North Central census division are:

Bloomington, IN, MSA
Bloomington-Normal, IL, 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
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 collection.

The third stage of sample selection was a probability sample of occupations within a sampled establishment. In the East North Central region, collection was conducted between November 1998 and April 2000, with an average reference period of October 1999.

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

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 job 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 a *generic leveling* process. This process, involving discussions between the Bureau's field economist and the respondent, ranks and compares all selected establishment occupations using 10 leveling factors. For more information on generic leveling and an example of how to use the criteria for leveling a job, see appendix C and appendix D at <http://www.bls.gov/compub.htm> or any of our published NCS bulletins. The above website also has a link to the NCS job descriptions.

Data reliability. The data in these tables 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 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 was \$15.09 per hour, with a relative standard error of 0.6 percent for this estimate. At the 90-percent level, the confidence interval for this estimate is \$15.24 to \$14.94 ($\$15.09 \times 1.645 \times 0.006 = \0.149 , rounded to \$0.15); ($\$15.09 + \$0.15 = \15.24; $\$15.09 - \$0.15 = \$14.94$). If all possible samples were selected to estimate the population value, the interval from each sample would include the true population value approximately 90 percent of the time.

Nonsampling errors also affect survey results. They can stem from many sources, such as inability to obtain information for some establishments, difficulties with survey definitions, inability of the respondents to provide correct information, or mistakes in recording or coding the data obtained. A Technical Reinterview Program done in all survey areas will be used in the development of a formal quality assessment process to help compute nonsampling error. Although nonsampling errors also were not specifically measured, efforts were made to minimize them through 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 Consolidated Metropolitan Statistical Areas (CMSAs) and Metropolitan Statistical Areas (MSAs) that cross State lines.