

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



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

Bureau of Labor Statistics
Katharine G. Abraham, Commissioner

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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 West 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.

Contents

	<i>Page</i>
Tables:	
Table 1. Summary, West North Central: Mean hourly earnings and weekly hours by selected characteristics, private industry and State and local government	1
Table 2. Summary, West North Central: Mean hourly earnings and weekly hours by selected characteristics, metropolitan and nonmetropolitan areas	2
Table 3. Selected occupations, West North Central: Mean hourly earnings and weekly hours for full-time and part-time workers	3
Table 4. Selected occupations, West North Central, private industry: Mean hourly earnings for full-time and part-time workers	9
Table 5. Selected occupations, West North Central, State and local government: Mean hourly earnings and weekly hours for full-time and part-time workers	14
Table 6. Occupations and levels, West North Central: Mean hourly earnings and weekly hours, private industry and State and local government	17
Table A. Number of workers represented by the survey, by occupational group, West North Central	35
Table B. Number of establishments studied by industry group and establishment employment size, West North Central	36
Technical Note	37

TABLE 1. Summary, West 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	\$14.37	2.8	35.3	\$13.84	3.2	35.1	\$18.11	2.2	36.9
Worker characteristics:³									
White-collar occupations ⁴	17.07	3.6	35.5	16.44	4.4	35.3	20.15	2.3	36.9
Professional specialty and technical ...	21.51	1.9	35.9	20.46	2.5	35.5	23.57	2.6	36.7
Executive, administrative, and managerial	26.01	10.7	41.4	26.39	12.0	41.6	23.41	4.3	39.6
Sales	12.60	6.0	30.8	12.60	6.0	30.8	—	—	—
Administrative support	11.03	2.1	36.4	10.95	2.4	36.4	11.42	2.3	36.4
Blue-collar occupations ⁴	12.90	2.4	38.5	12.81	2.4	38.6	14.83	1.5	36.6
Precision production, craft, and repair	15.90	4.0	40.1	15.86	4.2	40.1	16.65	2.0	39.9
Machine operators, assemblers, and inspectors	12.44	3.9	39.5	12.44	3.9	39.5	—	—	—
Transportation and material moving ...	12.32	2.8	38.6	12.19	3.2	39.1	13.75	3.4	33.4
Handlers, equipment cleaners, helpers, and laborers	9.72	2.4	35.7	9.61	2.4	35.7	12.76	5.6	36.3
Service occupations ⁴	8.86	3.0	29.8	8.05	3.5	28.7	13.08	4.3	36.8
Full time	15.31	3.0	40.0	14.80	3.4	40.1	18.62	1.9	39.4
Part time	8.06	2.5	19.6	7.77	2.6	19.5	11.73	5.6	20.6
Union	17.50	1.7	37.5	16.83	2.6	37.6	18.72	3.3	37.4
Nonunion	13.78	3.4	34.9	13.44	3.7	34.8	17.61	3.4	36.4
Time	13.86	1.8	34.9	13.20	1.9	34.7	18.11	2.2	36.9
Incentive	21.80	18.9	41.5	21.80	18.9	41.5	—	—	—
Establishment characteristics:									
Goods producing	(⁵)	(⁵)	(⁵)	15.07	4.5	39.7	(⁵)	(⁵)	(⁵)
Service producing	(⁵)	(⁵)	(⁵)	13.36	4.2	33.6	(⁵)	(⁵)	(⁵)
1 to 99 workers ⁶	12.73	6.1	33.6	12.67	6.2	33.6	17.98	14.0	33.6
100 to 499 workers	14.14	3.2	35.9	13.82	3.3	35.8	16.32	4.4	36.2
500 to 999 workers	16.40	4.4	38.0	15.98	5.0	38.3	18.91	4.4	36.4
1000 to 2499 workers	15.23	5.7	37.5	14.11	7.0	37.8	18.65	3.4	36.8
2500 workers or more	19.81	2.9	37.7	20.73	6.5	37.5	18.90	2.9	37.9
Geographic areas:⁷									
Metropolitan	14.73	3.0	35.1	14.24	3.5	34.8	18.61	1.8	37.2
Nonmetropolitan	12.70	5.8	36.5	11.82	5.3	36.7	16.65	7.1	35.9
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 December 1998 and April 2000. The average reference period was October 1999. For the first time, estimates include workers in private establishments employing fewer than 50 workers.

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, West 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	\$14.37	2.8	35.3	\$14.73	3.0	35.1	\$12.70	5.8	36.5
Private Industry	13.84	3.2	35.1	14.24	3.5	34.8	11.82	5.3	36.7
State and local government	18.11	2.2	36.9	18.61	1.8	37.2	16.65	7.1	35.9
Worker characteristics:⁴									
White-collar occupations ⁵	17.07	3.6	35.5	17.26	4.1	35.4	15.77	4.4	36.4
Professional specialty and technical ...	21.51	1.9	35.9	21.93	2.1	35.7	19.55	4.4	36.6
Executive, administrative, and managerial	26.01	10.7	41.4	26.34	11.5	41.5	22.74	15.9	40.1
Sales	12.60	6.0	30.8	12.36	5.8	30.5	16.01	27.3	35.2
Administrative support	11.03	2.1	36.4	11.36	1.6	36.6	9.22	6.2	35.5
Blue-collar occupations ⁵	12.90	2.4	38.5	13.27	2.2	38.5	11.66	6.7	38.4
Precision production, craft, and repair Machine operators, assemblers, and inspectors	15.90	4.0	40.1	16.60	3.2	39.9	13.34	8.1	40.7
Transportation and material moving ...	12.44	3.9	39.5	12.88	3.0	39.6	11.69	9.8	39.2
Handlers, equipment cleaners, helpers, and laborers	12.32	2.8	38.6	12.29	2.9	38.8	12.50	4.3	37.0
Service occupations ⁵	9.72	2.4	35.7	9.91	2.3	35.9	9.02	5.3	35.1
	8.86	3.0	29.8	8.81	4.0	29.0	9.04	5.2	33.2
Full time	15.31	3.0	40.0	15.77	3.3	40.1	13.24	6.1	39.8
Part time	8.06	2.5	19.6	8.07	3.1	19.4	8.00	4.0	21.4
Union	17.50	1.7	37.5	17.87	2.0	37.4	15.88	4.4	38.3
Nonunion	13.78	3.4	34.9	14.14	3.7	34.7	12.08	6.5	36.2
Time	13.86	1.8	34.9	14.17	1.8	34.6	12.48	4.5	36.4
Incentive	21.80	18.9	41.5	21.73	20.0	41.4	22.96	22.2	44.2
Establishment characteristics:									
Goods producing ⁶	15.07	4.5	39.7	16.02	5.1	39.5	12.45	7.2	40.1
Service producing ⁶	13.36	4.2	33.6	13.65	4.6	33.5	11.30	5.5	34.3
1 to 99 workers ⁷	12.73	6.1	33.6	12.79	6.5	33.6	11.97	7.5	34.0
100 to 499 workers	14.14	3.2	35.9	14.63	2.2	35.7	13.20	8.3	36.3
500 to 999 workers	16.40	4.4	38.0	17.14	4.4	37.6	14.43	9.8	39.1
1000 to 2499 workers	15.23	5.7	37.5	17.28	3.1	37.3	10.42	5.1	38.0
2500 workers or more	19.81	2.9	37.7	19.81	2.9	37.7	-	-	-
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 December 1998 and April 2000. The average reference period was October 1999. For the first time, estimates include workers in private establishments employing fewer than 50 workers.

⁴ Employees are classified as working either a full-time or a part-time schedule based on the definition used by each establishment. Union workers are those

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

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

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

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, West 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	\$14.37	2.8	35.3	\$15.31	3.0	40.0	\$8.06	2.5	19.6
All, excluding sales	14.61	3.0	36.0	15.38	3.2	40.0	8.52	2.9	20.1
White collar	17.07	3.6	35.5	18.01	3.8	40.0	9.37	3.6	18.6
White collar, excluding sales	18.38	4.2	37.2	18.79	4.4	39.9	12.55	3.9	19.0
Professional specialty and technical	21.51	1.9	35.9	21.95	2.0	39.4	16.49	4.6	17.8
Professional specialty	23.24	1.7	36.6	23.58	1.8	39.4	18.53	6.2	18.2
Engineers, architects, and surveyors	28.03	2.3	41.2	28.03	2.3	41.3	—	—	—
Civil engineers	29.67	3.6	39.4	29.67	3.6	40.4	—	—	—
Electrical and electronic engineers	27.46	2.5	40.9	27.46	2.5	40.9	—	—	—
Industrial engineers	24.72	3.3	41.1	24.72	3.3	41.1	—	—	—
Mechanical engineers	27.15	4.1	40.2	27.15	4.1	40.2	—	—	—
Engineers, n.e.c.	28.50	3.5	42.4	28.50	3.5	42.4	—	—	—
Mathematical and computer scientists	24.07	5.5	40.0	24.08	5.5	40.1	—	—	—
Computer systems analysts and scientists	24.19	6.1	40.0	24.20	6.1	40.1	—	—	—
Operations and systems researchers and analysts	23.12	6.6	40.0	23.12	6.6	40.0	—	—	—
Natural scientists	20.79	8.8	40.3	20.79	8.8	40.3	—	—	—
Chemists, except biochemists	25.08	11.7	41.8	25.08	11.7	41.8	—	—	—
Physical scientists, n.e.c.	27.78	7.6	39.7	27.78	7.6	39.7	—	—	—
Biological and life scientists	19.63	12.6	40.0	19.63	12.6	40.0	—	—	—
Health related	22.19	3.2	34.0	22.47	4.0	39.4	20.83	3.5	20.5
Physicians	58.95	9.8	40.6	58.55	10.2	42.5	—	—	—
Registered nurses	18.72	1.8	33.5	18.52	1.8	39.2	19.55	3.0	20.7
Pharmacists	27.30	4.6	31.7	29.06	3.0	40.2	—	—	—
Dietitians	13.13	9.1	32.6	12.88	9.0	37.0	—	—	—
Respiratory therapists	17.42	10.1	39.4	17.42	10.1	39.4	—	—	—
Occupational therapists	23.56	3.9	28.2	22.30	6.3	38.9	—	—	—
Physical therapists	22.83	5.3	35.6	21.79	3.5	40.0	—	—	—
Speech therapists	25.72	4.5	30.6	26.02	4.2	35.8	—	—	—
Therapists, n.e.c.	15.54	7.0	40.0	15.54	7.0	40.0	—	—	—
Physicians' assistants	26.79	8.6	40.0	26.79	8.6	40.0	—	—	—
Teachers, college and university	29.53	5.2	35.5	29.74	5.2	39.7	23.99	9.0	9.5
Social science teachers, n.e.c.	32.48	3.3	39.3	32.51	3.3	39.5	—	—	—
Mathematical science teachers	21.58	25.7	40.6	21.58	25.7	40.6	—	—	—
Medical science teachers	34.93	18.1	39.9	34.94	18.1	40.0	—	—	—
Health specialties teachers	23.86	7.3	38.8	23.96	7.5	40.4	—	—	—
Business, commerce, and marketing teachers ..	35.94	6.3	35.0	36.05	7.2	40.3	—	—	—
Art, drama, and music teachers	33.11	7.6	37.8	32.69	8.4	40.5	40.69	24.5	17.3
Education teachers	23.53	6.0	27.8	—	—	—	—	—	—
English teachers	25.42	8.1	31.4	—	—	—	—	—	—
Trade and industrial teachers	29.60	2.2	33.8	29.70	2.0	37.4	—	—	—
Other post-secondary teachers	25.11	12.5	29.3	25.33	13.9	38.9	23.47	9.0	10.5
Teachers, except college and university	24.38	2.3	34.3	25.09	2.4	37.1	13.92	17.5	16.3
Prekindergarten and kindergarten	15.17	20.6	28.0	20.08	15.0	37.6	—	—	—
Elementary school teachers	26.57	3.2	36.5	26.59	3.3	36.5	—	—	—
Secondary school teachers	26.10	3.5	35.6	25.89	3.6	37.3	31.32	4.9	16.3
Teachers, special education	22.77	6.7	37.4	22.79	6.8	37.8	—	—	—
Teachers, n.e.c.	20.73	6.6	30.1	22.00	7.5	37.3	12.49	10.0	13.4
Substitute teachers	9.61	5.1	11.3	—	—	—	9.61	5.1	11.3
Vocational and educational counselors	20.64	6.9	35.7	20.49	6.9	39.5	—	—	—
Librarians, archivists, and curators	20.61	16.3	38.7	20.65	16.4	39.0	—	—	—
Librarians	20.61	16.5	38.7	20.66	16.6	39.0	—	—	—
Social scientists and urban planners	21.34	6.6	39.6	21.43	6.8	40.0	—	—	—
Economists	19.09	10.4	40.0	19.09	10.4	40.0	—	—	—
Psychologists	24.25	4.4	39.2	24.56	4.3	39.9	—	—	—
Social, recreation, and religious workers	14.22	4.7	38.9	14.25	5.0	39.9	13.51	6.5	22.9
Social workers	14.16	4.9	39.0	14.19	5.1	39.9	13.17	5.6	22.9
Recreation workers	13.63	7.6	37.4	—	—	—	—	—	—
Lawyers and judges	29.03	6.8	42.3	28.99	6.9	44.2	—	—	—
Lawyers	28.30	5.7	42.4	28.22	5.7	44.4	—	—	—
Writers, authors, entertainers, athletes, and professionals, n.e.c.	20.17	8.0	35.7	20.78	8.2	40.2	—	—	—
Designers	16.39	5.4	40.0	16.51	5.3	40.5	—	—	—

See footnotes at end of table.

TABLE 3. Selected occupations, West 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									
Writers, authors, entertainers, athletes, and professionals, n.e.c.—Continued									
Painters, sculptors, craft artists, and artist printmakers	\$19.32	15.3	40.9	\$19.32	15.3	40.9	—	—	—
Editors and reporters	19.48	9.0	38.6	20.03	9.2	40.2	—	—	—
Public relations specialists	15.25	17.9	38.7	15.11	18.1	40.0	—	—	—
Athletes	—	—	—	24.54	22.6	40.0	—	—	—
Professional, n.e.c.	26.80	10.9	40.2	26.80	10.9	40.2	—	—	—
Technical	16.99	6.6	34.1	17.46	6.7	39.3	\$13.49	8.8	17.2
Clinical laboratory technologists and technicians	15.24	6.1	38.3	14.99	6.2	39.9	18.68	8.8	24.9
Radiological technicians	16.63	4.1	34.2	16.97	4.5	39.7	15.00	5.8	20.6
Licensed practical nurses	12.07	4.0	34.5	12.12	4.5	39.8	11.80	4.8	21.4
Health technologists and technicians, n.e.c.	11.77	5.3	34.6	11.83	5.8	39.6	11.54	7.4	23.4
Electrical and electronic technicians	18.27	6.0	40.0	18.28	6.0	40.2	—	—	—
Engineering technicians, n.e.c.	18.60	3.1	39.8	18.65	3.0	40.0	—	—	—
Drafters	15.50	3.7	39.5	15.59	3.8	40.0	—	—	—
Science technicians, n.e.c.	14.78	9.1	39.1	14.75	9.3	40.0	—	—	—
Airplane pilots and navigators	97.62	20.6	19.9	97.62	20.6	19.9	—	—	—
Computer programmers	21.30	4.7	40.1	21.51	4.6	40.5	—	—	—
Legal assistants	19.70	10.2	38.2	19.85	10.2	38.9	—	—	—
Technical and related, n.e.c.	17.73	8.1	34.7	18.60	9.3	39.7	14.34	4.0	23.1
Executive, administrative, and managerial	26.01	10.7	41.4	26.02	10.7	41.9	24.44	21.1	8.9
Executives, administrators, and managers	29.11	13.6	42.6	29.14	13.6	42.7	13.40	12.0	13.6
Legislators	10.20	19.8	20.1	—	—	—	—	—	—
Administrators and officials, public administration	24.47	3.9	40.7	24.43	3.9	40.9	—	—	—
Financial managers	44.05	26.3	43.6	44.05	26.3	43.6	—	—	—
Purchasing managers	25.39	7.2	44.1	25.39	7.2	44.1	—	—	—
Managers, marketing, advertising, and public relations	37.91	8.5	41.0	37.91	8.5	41.0	—	—	—
Administrators, education and related fields	31.45	6.2	40.3	31.75	6.2	40.6	—	—	—
Managers, medicine and health	27.85	6.0	40.2	27.85	6.0	40.2	—	—	—
Managers, food servicing and lodging establishments	16.09	10.8	41.2	16.18	11.1	41.4	—	—	—
Managers, properties and real estate	15.55	9.0	39.9	15.55	9.0	39.9	—	—	—
Managers, service organizations, n.e.c.	15.39	13.6	40.3	15.39	13.6	40.3	—	—	—
Managers and administrators, n.e.c.	26.76	8.1	43.5	26.76	8.1	43.5	—	—	—
Management related	19.18	4.5	39.0	19.10	4.5	40.3	30.01	16.4	7.6
Accountants and auditors	22.70	9.4	39.5	22.73	9.5	39.7	—	—	—
Underwriters	18.49	10.7	39.7	18.49	10.7	39.7	—	—	—
Other financial officers	20.26	7.2	40.8	20.26	7.2	40.8	—	—	—
Management analysts	24.12	9.8	40.1	24.12	9.8	40.2	—	—	—
Personnel, training, and labor relations specialists	16.82	9.4	40.1	16.82	9.4	40.2	—	—	—
Buyers, wholesale and retail trade, except farm products	25.85	7.7	28.8	24.03	5.6	42.2	—	—	—
Purchasing agents and buyers, n.e.c.	20.71	4.6	40.8	20.71	4.6	40.8	—	—	—
Construction inspectors	19.75	10.6	39.8	19.75	10.6	39.8	—	—	—
Inspectors and compliance officers, except construction	18.63	7.9	39.9	18.63	7.9	39.9	—	—	—
Management related, n.e.c.	16.24	6.8	37.7	16.18	6.8	40.1	—	—	—
Sales	12.60	6.0	30.8	14.68	4.9	40.3	6.50	2.5	18.3
Supervisors, sales	15.87	9.1	41.3	15.89	9.1	41.5	—	—	—
Insurance sales	19.96	15.2	33.4	21.49	14.7	40.2	—	—	—
Securities and financial services sales	43.08	18.8	41.6	43.08	18.8	41.6	—	—	—
Advertising and related sales	16.23	11.4	37.8	16.88	12.1	40.4	—	—	—
Sales, other business services	17.50	13.8	33.2	19.37	14.7	38.8	7.34	18.2	18.7

See footnotes at end of table.

TABLE 3. Selected occupations, West 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									
Sales —Continued									
Sales engineers	\$22.44	8.1	41.6	\$22.44	8.1	41.6	—	—	—
Sales representatives, mining, manufacturing, and wholesale	25.65	16.8	39.9	25.71	16.8	40.0	—	—	—
Sales workers, motor vehicles and boats	20.84	13.6	45.7	20.84	13.6	45.7	—	—	—
Sales workers, apparel	8.37	5.4	30.5	—	—	—	—	—	—
Sales workers, hardware and building supplies	11.70	8.3	39.1	—	—	—	—	—	—
Sales workers, parts	15.16	29.4	38.2	17.20	29.1	41.5	—	—	—
Sales workers, other commodities	9.59	9.9	28.3	10.73	9.7	40.7	\$7.13	8.7	17.1
Sales counter clerks	6.74	3.5	28.6	7.05	5.2	39.8	6.33	4.1	21.0
Cashiers	7.03	2.1	24.2	7.64	2.4	38.6	6.40	3.4	17.5
Demonstrators, promoters, and models, sales ..	8.63	5.9	21.4	—	—	—	7.62	8.9	16.2
Sales support, n.e.c.	9.86	7.0	39.6	—	—	—	—	—	—
Administrative support, including clerical									
Supervisors, general office	11.03	2.1	36.4	11.24	2.0	39.3	8.81	3.5	20.8
Supervisors, financial records processing	14.52	4.1	40.2	14.52	4.1	40.2	—	—	—
Supervisors, distribution, scheduling, and adjusting clerks	14.81	12.0	41.3	14.81	12.0	41.3	—	—	—
Computer operators	15.37	9.0	39.8	15.37	9.0	39.8	—	—	—
Peripheral equipment operators	13.63	5.3	38.9	13.72	5.3	40.0	—	—	—
Secretaries	9.81	1.0	39.9	9.81	1.0	39.9	—	—	—
Stenographers	11.25	4.9	37.5	11.33	5.4	38.5	9.73	10.0	25.4
Typists	11.59	4.2	39.5	11.59	4.2	39.5	—	—	—
Interviewers	10.38	4.0	38.7	10.39	4.1	39.8	—	—	—
Hotel clerks	9.16	5.5	32.5	8.52	4.1	35.4	—	—	—
Receptionists	—	—	—	8.00	2.5	39.1	—	—	—
Information clerks, n.e.c.	8.77	4.1	33.6	8.62	3.6	38.2	9.38	9.9	23.2
Correspondence clerks	11.20	7.4	35.4	11.03	7.4	39.9	12.35	21.7	19.5
Order clerks	14.71	7.0	40.0	14.71	7.0	40.0	—	—	—
Personnel clerks, except payroll and timekeeping	12.16	7.7	37.0	12.88	5.7	39.9	7.82	10.1	25.8
Library clerks	11.62	7.9	38.9	11.65	7.9	39.1	—	—	—
File clerks	9.50	4.9	26.5	9.86	3.6	38.9	9.16	9.1	20.3
Records clerks, n.e.c.	8.80	3.4	36.0	8.94	4.2	39.7	—	—	—
Bookkeepers, accounting and auditing clerks ...	9.61	8.4	38.6	9.65	8.9	39.6	8.88	3.1	27.0
Payroll and timekeeping clerks	10.86	3.2	37.7	10.90	3.4	39.5	10.30	4.5	22.0
Telephone operators	13.72	6.6	21.0	14.24	6.9	39.9	—	—	—
Mail clerks, except postal service	12.39	8.4	31.0	12.94	10.3	38.3	10.73	2.2	19.6
Messengers	7.42	9.2	32.7	6.54	8.5	40.0	—	—	—
Dispatchers	7.99	2.9	28.0	—	—	—	—	—	—
Production coordinators	15.19	16.9	38.8	15.26	17.2	40.0	—	—	—
Traffic, shipping and receiving clerks	15.13	3.5	39.5	15.18	3.4	40.1	—	—	—
Stock and inventory clerks	11.08	8.5	39.1	11.16	8.4	39.6	—	—	—
Weighers, measurers, checkers, and samplers ..	10.37	4.3	35.9	10.61	5.0	39.9	8.17	5.4	18.7
Expeditors	13.70	26.9	20.0	—	—	—	—	—	—
Material recording, scheduling, and distribution clerks, n.e.c.	13.74	14.1	31.3	—	—	—	—	—	—
Insurance adjusters, examiners, and investigators	8.90	8.1	31.0	9.27	11.2	40.0	7.57	4.9	17.3
Investigators and adjusters, except insurance ...	14.02	7.4	38.9	14.02	7.4	38.9	—	—	—
Eligibility clerks, social welfare	11.01	6.3	39.6	11.10	6.6	40.2	7.98	11.9	26.5
Bill and account collectors	12.92	4.1	39.3	12.97	4.2	39.9	—	—	—
General office clerks	11.69	5.1	39.3	11.77	5.1	40.0	—	—	—
Bank tellers	10.57	4.0	36.5	10.79	4.3	39.7	8.69	5.0	21.5
Data entry keyers	7.75	4.1	31.5	8.11	3.3	37.0	6.81	3.1	22.6
Teachers' aides	9.72	3.4	38.8	9.73	3.5	39.9	9.49	7.4	25.1
Administrative support, n.e.c.	8.91	4.7	30.7	8.89	6.1	35.1	8.93	7.4	24.3
	11.21	6.0	38.2	11.33	6.0	40.0	9.54	9.1	23.5
Blue collar	12.90	2.4	38.5	13.22	2.5	40.4	8.12	4.7	22.6
Precision production, craft, and repair	15.90	4.0	40.1	15.92	4.0	40.2	12.51	9.6	21.1

See footnotes at end of table.

TABLE 3. Selected occupations, West 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, mechanics and repairers	\$19.06	4.8	42.8	\$19.06	4.8	42.8	—	—	—
Automobile mechanics	14.86	8.5	40.1	14.86	8.5	40.1	—	—	—
Bus, truck, and stationary engine mechanics	12.31	6.4	40.5	12.31	6.4	40.5	—	—	—
Automobile body and related repairers	16.68	8.2	42.5	16.68	8.2	42.5	—	—	—
Aircraft mechanics, except engine	19.38	9.4	40.0	19.38	9.4	40.0	—	—	—
Heavy equipment mechanics	16.91	3.4	40.1	16.91	3.4	40.1	—	—	—
Industrial machinery repairers	15.53	3.8	39.5	15.53	3.8	39.5	—	—	—
Machinery maintenance	12.72	17.0	40.0	12.72	17.0	40.0	—	—	—
Electronic repairers, communications and industrial equipment	16.83	5.0	39.7	16.92	5.1	40.0	—	—	—
Heating, air conditioning, and refrigeration mechanics	15.89	10.7	40.0	15.89	10.7	40.0	—	—	—
Millwrights	19.82	9.8	40.0	19.82	9.8	40.0	—	—	—
Mechanics and repairers, n.e.c.	14.84	7.0	40.2	14.86	7.0	40.3	—	—	—
Supervisors, plumbers, pipefitters, and steamfitters	23.68	5.2	40.0	23.68	5.2	40.0	—	—	—
Supervisors, construction trades, n.e.c.	18.68	4.6	40.7	18.68	4.6	40.7	—	—	—
Carpenters	18.20	6.2	39.9	18.18	6.2	40.0	—	—	—
Electricians	23.25	8.8	40.0	23.25	8.8	40.0	—	—	—
Plumbers, pipefitters and steamfitters	17.96	14.5	40.0	17.96	14.5	40.0	—	—	—
Structural metal workers	17.44	7.6	40.0	17.44	7.6	40.0	—	—	—
Construction trades, n.e.c.	14.80	4.4	40.3	14.80	4.4	40.3	—	—	—
Supervisors, production	19.69	4.8	41.4	19.69	4.8	41.4	—	—	—
Tool and die makers	21.88	2.1	40.0	21.88	2.1	40.0	—	—	—
Precision assemblers, metal	13.95	15.3	40.0	13.95	15.3	40.0	—	—	—
Machinists	16.80	7.0	40.0	16.80	7.0	40.0	—	—	—
Sheet metal workers	19.82	3.6	39.9	19.82	3.6	39.9	—	—	—
Electrical and electronic equipment assemblers	10.10	6.5	39.3	10.15	6.4	40.0	—	—	—
Miscellaneous precision workers, n.e.c.	13.77	9.9	40.0	13.77	9.9	40.0	—	—	—
Bakers	9.35	3.2	38.0	9.36	3.3	40.0	—	—	—
Inspectors, testers, and graders	17.92	10.8	40.8	17.92	10.8	40.8	—	—	—
Water and sewer treatment plant operators	18.23	4.8	40.0	18.23	4.8	40.0	—	—	—
Stationary engineers	17.09	5.6	40.0	17.09	5.6	40.0	—	—	—
Machine operators, assemblers, and inspectors	12.44	3.9	39.5	12.56	4.1	39.9	\$7.42	7.8	27.0
Punching and stamping press operators	11.99	4.5	39.2	12.04	4.4	40.0	—	—	—
Grinding, abrading, buffing, and polishing machine operators	11.93	8.1	40.3	11.93	8.1	40.3	—	—	—
Forging machine operators	12.29	4.6	40.0	12.29	4.6	40.0	—	—	—
Numerical control machine operators	15.05	9.5	40.0	15.05	9.5	40.0	—	—	—
Fabricating machine operators, n.e.c.	11.73	5.2	40.0	11.73	5.2	40.0	—	—	—
Molding and casting machine operators	11.61	6.2	39.6	11.63	6.1	39.8	—	—	—
Metal plating machine operators	14.28	5.2	40.0	14.28	5.2	40.0	—	—	—
Printing press operators	16.50	6.6	38.9	16.50	6.6	38.9	—	—	—
Photoengravers and lithographers	15.40	11.4	39.4	15.40	11.4	39.4	—	—	—
Laundry and dry cleaning machine operators	6.59	4.9	22.3	6.78	1.7	39.9	6.44	7.5	16.8
Cementing and gluing machine operators	15.94	12.1	40.0	15.94	12.1	40.0	—	—	—
Packaging and filling machine operators	11.97	10.4	39.5	12.00	10.6	40.0	—	—	—
Extruding and forming machine operators	8.88	5.4	39.3	8.88	5.4	39.3	—	—	—
Painting and paint spraying machine operators	14.85	4.7	40.0	14.85	4.7	40.0	—	—	—
Slicing and cutting machine operators	12.66	8.7	39.6	12.96	8.0	39.9	—	—	—
Photographic process machine operators	10.37	13.8	37.4	—	—	—	—	—	—
Miscellaneous machine operators, n.e.c.	12.90	8.2	39.7	12.93	8.2	39.9	—	—	—
Welders and cutters	12.74	6.4	40.0	12.74	6.4	40.0	—	—	—
Assemblers	12.45	4.4	39.8	12.84	4.1	40.0	—	—	—
Miscellaneous hand working, n.e.c.	12.62	5.5	40.0	12.62	5.5	40.0	—	—	—
Production inspectors, checkers and examiners	14.09	7.7	39.3	14.23	7.3	40.2	—	—	—
Production testers	14.98	8.5	40.0	14.98	8.5	40.0	—	—	—
Transportation and material moving	12.32	2.8	38.6	12.55	2.9	42.2	9.87	8.5	20.4
Supervisors, motor vehicle operators	17.13	9.3	41.1	17.13	9.3	41.1	—	—	—

See footnotes at end of table.

TABLE 3. Selected occupations, West 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									
Transportation and material moving—Continued									
Truck drivers	\$11.67	4.3	43.4	\$11.66	4.3	43.7	\$13.75	11.2	24.5
Driver-sales workers	—	—	—	13.97	19.3	40.0	—	—	—
Bus drivers	12.20	3.4	22.2	14.68	4.0	36.5	11.07	2.6	18.8
Taxicab drivers and chauffeurs	9.32	6.6	33.2	—	—	—	—	—	—
Motor transportation, n.e.c.	7.80	7.6	32.7	—	—	—	—	—	—
Supervisors, material moving equipment	21.04	2.2	40.7	21.04	2.2	40.7	—	—	—
Operating engineers	16.72	5.5	40.0	16.72	5.5	40.0	—	—	—
Crane and tower operators	18.62	5.6	40.0	18.62	5.6	40.0	—	—	—
Excavating and loading machine operators	17.08	12.6	40.0	17.08	12.6	40.0	—	—	—
Grader, dozer, and scrapper operators	13.41	5.5	40.0	13.41	5.5	40.0	—	—	—
Industrial truck and tractor equipment operators	12.71	2.8	39.7	12.64	2.6	39.8	—	—	—
Miscellaneous material moving equipment operators, n.e.c.	14.06	8.0	39.9	14.07	8.1	40.0	—	—	—
Handlers, equipment cleaners, helpers, and laborers									
Groundskeepers and gardeners, except farm ...	10.99	7.7	31.5	12.53	6.3	40.0	7.80	13.1	21.9
Supervisors, handlers, equipment cleaners, and laborers, n.e.c.	12.74	9.5	40.0	12.74	9.5	40.0	—	—	—
Helpers, mechanics and repairers	11.11	16.8	39.2	—	—	—	—	—	—
Helpers, construction trades	9.64	6.8	38.3	9.62	7.0	40.0	—	—	—
Construction laborers	12.09	9.6	39.7	12.04	9.5	39.9	—	—	—
Production helpers	10.64	6.0	38.6	10.76	5.5	39.3	—	—	—
Stock handlers and baggers	9.10	5.4	27.9	11.46	5.0	39.7	6.49	4.0	21.0
Machine feeders and offbearers	9.66	10.2	37.7	9.60	10.5	39.2	—	—	—
Freight, stock, and material handlers, n.e.c.	10.27	7.1	35.6	10.65	6.1	39.6	8.57	5.3	24.6
Garage and service station related	8.71	6.3	39.8	8.68	6.3	40.0	—	—	—
Vehicle washers and equipment cleaners	8.46	9.2	39.2	8.46	8.8	40.0	—	—	—
Hand packers and packagers	8.59	6.5	38.1	8.59	7.0	40.0	8.59	6.9	26.5
Laborers, except construction, n.e.c.	9.28	3.0	37.4	9.59	3.2	39.5	7.39	3.9	28.1
Service									
Protective service	13.97	5.9	37.3	15.07	3.7	41.3	6.25	9.3	22.2
Supervisors, firefighters and fire prevention	17.32	10.6	50.7	17.32	10.6	50.7	—	—	—
Supervisors, police and detectives	23.74	3.0	40.0	23.74	3.0	40.0	—	—	—
Supervisors, guards	17.34	9.8	40.0	17.34	9.8	40.0	—	—	—
Firefighting	13.81	3.3	46.4	13.85	3.4	49.4	—	—	—
Police and detectives, public service	17.56	4.1	39.9	17.57	4.1	40.0	—	—	—
Sheriffs, bailiffs, and other law enforcement officers	16.22	3.6	38.0	16.55	3.3	40.1	—	—	—
Correctional institution officers	13.51	6.0	39.3	13.55	6.0	39.9	—	—	—
Guards and police, except public service	8.15	10.8	31.5	9.66	8.7	39.7	5.81	6.6	23.9
Protective service, n.e.c.	9.04	8.8	25.0	10.51	13.5	39.0	7.54	7.6	18.3
Food service	7.08	2.6	27.0	8.06	4.2	38.7	6.03	4.5	20.3
Waiters, waitresses, and bartenders	4.86	9.5	24.2	4.54	12.9	37.1	5.11	11.7	19.0
Bartenders	6.46	8.7	31.3	6.70	11.9	37.1	5.66	10.1	20.7
Waiters and waitresses	4.54	12.7	24.3	3.82	18.5	37.0	5.05	14.5	19.5
Waiters'/Waitresses' assistants	5.79	7.4	19.1	6.92	9.2	38.9	5.29	8.4	15.6
Other food service	7.95	2.4	28.2	9.16	4.3	39.2	6.48	5.0	21.1
Supervisors, food preparation and service	10.42	7.6	39.6	10.48	8.0	41.1	—	—	—
Cooks	9.05	3.0	32.0	9.58	3.6	39.1	7.85	6.0	22.7
Kitchen workers, food preparation	7.29	3.9	28.7	7.65	4.3	39.7	6.95	5.8	22.6
Food preparation, n.e.c.	6.37	4.4	23.3	7.58	3.3	36.7	5.88	3.5	20.3
Health service	9.89	8.3	30.6	10.21	9.0	39.5	8.68	4.7	16.4
Health aides, except nursing	9.15	4.4	27.9	9.54	5.0	39.2	8.20	8.1	16.3
Nursing aides, orderlies and attendants	9.18	7.6	32.9	9.41	9.0	39.5	8.31	2.4	20.4
Cleaning and building service	8.82	6.4	31.5	9.34	5.9	38.8	6.92	4.4	18.6
Supervisors, cleaning and building service workers	11.43	12.0	37.5	11.46	12.0	37.7	—	—	—
Maids and housemen	6.81	4.9	29.9	7.04	4.2	38.3	—	—	—

See footnotes at end of table.

TABLE 3. Selected occupations, West 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	\$9.30	4.3	31.5	\$9.90	4.6	39.2	\$7.30	3.8	19.0
Personal service	8.37	3.5	30.4	8.94	3.5	38.7	7.28	4.3	21.5
Supervisors, personal service	13.89	9.2	36.2	14.49	7.1	40.7	—	—	—
Attendants, amusement, and recreation facilities	7.65	4.0	36.7	—	—	—	6.44	4.9	26.0
Ushers	6.74	6.0	12.1	—	—	—	6.74	6.0	12.1
Welfare service aides	8.04	6.6	28.5	7.91	9.4	39.9	8.31	4.3	18.0
Early childhood teachers' assistants	7.47	5.6	28.2	8.05	5.7	39.3	7.02	6.4	23.1
Child care workers, n.e.c.	8.20	3.5	25.7	8.64	3.9	39.9	7.27	3.4	14.7
Service, n.e.c.	8.39	4.7	30.2	8.97	4.4	40.0	7.06	6.9	19.4

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 December 1998 and April

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

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, West 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	\$13.84	3.2	35.1	\$14.80	3.4	40.1	\$7.77	2.6	19.5
All, excluding sales	14.02	3.4	35.9	14.81	3.7	40.1	8.18	3.0	20.0
White collar	16.44	4.4	35.3	17.47	4.7	40.2	8.94	4.0	18.5
White collar, excluding sales	17.88	5.5	37.3	18.30	5.7	40.2	12.25	4.7	18.9
Professional specialty and technical	20.46	2.5	35.5	20.96	2.6	39.9	15.98	6.1	17.8
Professional specialty	22.22	2.6	36.6	22.63	2.6	40.3	18.04	8.9	18.9
Engineers, architects, and surveyors	28.44	2.1	41.4	28.44	2.1	41.5	-	-	-
Civil engineers	30.10	3.4	39.3	30.10	3.4	40.4	-	-	-
Electrical and electronic engineers	27.20	2.6	40.9	27.20	2.6	40.9	-	-	-
Industrial engineers	24.89	3.4	41.2	24.89	3.4	41.2	-	-	-
Mechanical engineers	26.80	5.0	40.2	26.80	5.0	40.2	-	-	-
Engineers, n.e.c.	29.34	3.1	42.7	29.34	3.1	42.7	-	-	-
Mathematical and computer scientists	24.33	6.3	40.0	24.34	6.3	40.1	-	-	-
Computer systems analysts and scientists	24.49	7.0	40.0	24.51	7.0	40.1	-	-	-
Operations and systems researchers and analysts	23.10	6.7	40.0	23.10	6.7	40.0	-	-	-
Natural scientists	24.86	9.7	40.7	24.86	9.7	40.7	-	-	-
Chemists, except biochemists	25.08	11.7	41.8	25.08	11.7	41.8	-	-	-
Biological and life scientists	26.05	13.2	40.0	26.05	13.2	40.0	-	-	-
Health related	21.58	3.2	33.5	21.85	4.1	39.5	20.43	3.2	20.4
Physicians	59.64	12.9	41.4	59.74	13.3	43.5	-	-	-
Registered nurses	18.49	2.0	33.0	18.23	1.9	39.1	19.49	3.1	20.5
Pharmacists	27.17	4.9	31.3	29.05	3.3	40.2	-	-	-
Dietitians	12.78	9.2	34.2	-	-	-	-	-	-
Respiratory therapists	17.42	10.1	39.4	17.42	10.1	39.4	-	-	-
Occupational therapists	23.65	4.4	26.5	-	-	-	-	-	-
Physical therapists	23.54	5.4	35.1	22.42	2.3	39.9	-	-	-
Therapists, n.e.c.	15.25	7.5	40.0	15.25	7.5	40.0	-	-	-
Teachers, college and university	28.20	4.9	28.1	28.48	4.1	38.9	25.64	20.6	7.8
Health specialties teachers	23.24	2.1	39.2	-	-	-	-	-	-
Art, drama, and music teachers	32.59	13.3	32.0	28.72	10.4	37.9	-	-	-
Other post-secondary teachers	27.07	8.1	24.9	27.07	7.7	39.1	-	-	-
Teachers, except college and university	12.81	14.1	28.0	14.81	8.6	38.9	-	-	-
Prekindergarten and kindergarten	-	-	-	9.89	6.1	38.3	-	-	-
Elementary school teachers	21.67	9.8	38.3	21.66	9.9	39.0	-	-	-
Secondary school teachers	20.31	6.7	33.7	20.75	7.4	38.9	17.55	9.1	18.4
Teachers, n.e.c.	13.79	7.0	26.9	13.61	7.2	39.4	14.22	14.1	15.5
Vocational and educational counselors	17.33	12.2	31.6	16.88	12.2	39.5	-	-	-
Librarians, archivists, and curators	-	-	-	-	-	-	-	-	-
Social scientists and urban planners	19.74	8.3	39.6	19.84	8.6	40.2	-	-	-
Economists	19.09	10.4	40.0	19.09	10.4	40.0	-	-	-
Social, recreation, and religious workers	13.03	8.4	39.5	13.01	8.5	39.9	-	-	-
Social workers	12.89	8.7	39.5	12.86	8.8	39.9	-	-	-
Lawyers and judges	33.82	10.1	52.0	33.67	10.3	54.1	-	-	-
Lawyers	33.82	10.1	52.0	33.67	10.3	54.1	-	-	-
Writers, authors, entertainers, athletes, and professionals, n.e.c.	19.69	9.6	34.8	20.38	10.1	40.2	-	-	-
Designers	16.62	5.8	40.0	16.75	5.6	40.6	-	-	-
Painters, sculptors, craft artists, and artist printmakers	19.15	16.4	41.0	19.15	16.4	41.0	-	-	-
Editors and reporters	19.48	9.0	38.6	20.03	9.2	40.2	-	-	-
Public relations specialists	15.22	18.6	38.7	15.07	18.8	40.0	-	-	-
Professional, n.e.c.	30.00	12.5	40.3	30.00	12.5	40.3	-	-	-
Technical	17.42	7.2	33.8	17.97	7.4	39.2	13.30	10.2	16.5
Clinical laboratory technologists and technicians	14.69	5.9	38.1	14.35	5.8	39.9	18.68	8.8	24.9
Radiological technicians	16.59	4.4	34.1	16.93	4.8	39.7	14.94	6.4	20.3
Licensed practical nurses	12.41	3.7	33.9	12.66	3.5	39.8	11.37	4.2	21.2
Health technologists and technicians, n.e.c.	11.66	5.5	34.7	11.73	6.0	39.6	11.37	8.0	23.6
Electrical and electronic technicians	18.27	6.2	40.2	18.27	6.2	40.2	-	-	-
Engineering technicians, n.e.c.	19.50	2.6	39.6	19.60	2.5	40.0	-	-	-
Drafters	15.51	4.0	39.4	15.61	4.1	40.0	-	-	-
Science technicians, n.e.c.	14.45	8.8	39.0	14.41	8.9	40.0	-	-	-

See footnotes at end of table.

TABLE 4. Selected occupations, West 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									
Technical—Continued									
Airplane pilots and navigators	\$97.62	20.6	19.9	\$97.62	20.6	19.9	—	—	—
Computer programmers	21.70	5.0	40.1	21.95	5.0	40.5	—	—	—
Legal assistants	19.81	10.8	38.8	19.81	10.8	38.8	—	—	—
Technical and related, n.e.c.	18.65	9.9	36.6	18.98	9.9	39.7	—	—	—
Executive, administrative, and managerial	26.39	12.0	41.6	26.38	12.0	42.2	\$29.32	18.4	7.8
Executives, administrators, and managers	29.37	15.1	43.0	29.38	15.1	43.0	—	—	—
Financial managers	44.18	26.3	43.6	44.18	26.3	43.6	—	—	—
Purchasing managers	25.69	7.3	44.3	25.69	7.3	44.3	—	—	—
Managers, marketing, advertising, and public relations	37.91	8.5	41.0	37.91	8.5	41.0	—	—	—
Administrators, education and related fields	22.90	7.2	39.9	23.28	7.0	40.4	—	—	—
Managers, medicine and health	28.13	5.7	40.3	28.13	5.7	40.3	—	—	—
Managers, food servicing and lodging establishments	16.18	11.1	41.4	16.18	11.1	41.4	—	—	—
Managers, properties and real estate	15.48	9.2	39.9	15.48	9.2	39.9	—	—	—
Managers, service organizations, n.e.c.	14.84	13.9	40.4	14.84	13.9	40.4	—	—	—
Managers and administrators, n.e.c.	26.92	8.2	43.6	26.92	8.2	43.6	—	—	—
Management related	19.48	5.2	38.8	19.38	5.2	40.4	—	—	—
Accountants and auditors	23.12	10.1	39.4	23.16	10.1	39.7	—	—	—
Underwriters	18.49	10.7	39.7	18.49	10.7	39.7	—	—	—
Other financial officers	20.11	7.4	40.9	20.11	7.4	40.9	—	—	—
Management analysts	25.12	10.7	40.1	25.13	10.7	40.2	—	—	—
Personnel, training, and labor relations specialists	16.49	9.5	40.2	16.49	9.5	40.3	—	—	—
Buyers, wholesale and retail trade, except farm products	25.85	7.7	28.8	24.03	5.6	42.2	—	—	—
Purchasing agents and buyers, n.e.c.	20.03	7.6	40.9	20.03	7.6	40.9	—	—	—
Management related, n.e.c.	16.83	8.0	37.3	16.76	7.9	40.2	—	—	—
Sales	12.60	6.0	30.8	14.68	4.9	40.3	6.50	2.5	18.3
Supervisors, sales	15.87	9.1	41.3	15.89	9.1	41.5	—	—	—
Insurance sales	19.96	15.2	33.4	21.49	14.7	40.2	—	—	—
Securities and financial services sales	43.08	18.8	41.6	43.08	18.8	41.6	—	—	—
Advertising and related sales	16.23	11.4	37.8	16.88	12.1	40.4	—	—	—
Sales, other business services	17.50	13.8	33.2	19.37	14.7	38.8	7.34	18.2	18.7
Sales engineers	22.44	8.1	41.6	22.44	8.1	41.6	—	—	—
Sales representatives, mining, manufacturing, and wholesale	25.65	16.8	39.9	25.71	16.8	40.0	—	—	—
Sales workers, motor vehicles and boats	20.84	13.6	45.7	20.84	13.6	45.7	—	—	—
Sales workers, apparel	8.37	5.4	30.5	—	—	—	—	—	—
Sales workers, hardware and building supplies	11.70	8.3	39.1	—	—	—	—	—	—
Sales workers, parts	15.16	29.4	38.2	17.20	29.1	41.5	—	—	—
Sales workers, other commodities	9.60	9.9	28.3	10.73	9.7	40.7	7.13	8.8	17.1
Sales counter clerks	6.74	3.5	28.6	7.05	5.2	39.8	6.33	4.1	21.0
Cashiers	7.02	2.1	24.2	7.64	2.4	38.6	6.39	3.4	17.5
Demonstrators, promoters, and models, sales ..	8.63	5.9	21.4	—	—	—	7.62	8.9	16.2
Sales support, n.e.c.	9.86	7.0	39.6	—	—	—	—	—	—
Administrative support, including clerical	10.95	2.4	36.4	11.17	2.3	39.3	8.66	4.0	20.5
Supervisors, general office	14.56	5.1	40.2	14.56	5.1	40.2	—	—	—
Supervisors, financial records processing	14.62	12.6	41.4	14.62	12.6	41.4	—	—	—
Supervisors, distribution, scheduling, and adjusting clerks	17.88	9.8	39.7	17.88	9.8	39.7	—	—	—
Computer operators	13.75	5.3	38.9	13.85	5.2	40.0	—	—	—
Peripheral equipment operators	9.81	1.0	39.9	9.81	1.0	39.9	—	—	—
Secretaries	11.03	6.5	37.2	11.11	7.2	38.2	9.64	11.7	26.3
Stenographers	11.59	4.2	39.5	11.59	4.2	39.5	—	—	—
Typists	9.84	5.8	35.9	9.80	6.6	39.9	—	—	—
Interviewers	9.13	5.7	32.4	8.46	4.3	35.4	—	—	—

See footnotes at end of table.

TABLE 4. Selected occupations, West 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									
Hotel clerks	—	—	—	\$8.00	2.5	39.1	—	—	—
Receptionists	\$8.71	4.0	33.6	8.52	3.3	38.1	\$9.39	9.9	23.4
Information clerks, n.e.c.	11.45	4.5	36.0	11.77	4.4	39.9	8.57	5.0	19.0
Correspondence clerks	14.73	7.1	40.0	14.73	7.1	40.0	—	—	—
Order clerks	12.16	7.7	37.0	12.88	5.7	39.9	7.82	10.1	25.8
Personnel clerks, except payroll and timekeeping	11.61	8.0	38.9	11.63	8.0	39.1	—	—	—
File clerks	8.80	3.4	36.0	8.94	4.2	39.7	—	—	—
Records clerks, n.e.c.	9.51	9.3	38.6	9.56	9.8	39.6	8.57	2.2	26.6
Bookkeepers, accounting and auditing clerks ...	10.51	3.4	37.5	10.53	3.6	39.5	10.15	4.7	21.6
Payroll and timekeeping clerks	13.57	7.1	20.6	14.10	7.3	39.9	—	—	—
Telephone operators	12.40	8.4	31.0	12.94	10.3	38.3	10.75	2.2	19.6
Mail clerks, except postal service	7.36	9.7	32.4	—	—	—	—	—	—
Messengers	7.95	3.0	27.3	—	—	—	—	—	—
Dispatchers	18.19	24.2	38.8	18.45	24.4	40.2	—	—	—
Production coordinators	15.13	3.5	39.5	15.18	3.4	40.1	—	—	—
Traffic, shipping and receiving clerks	11.10	8.5	39.1	11.17	8.5	39.6	—	—	—
Stock and inventory clerks	10.19	4.6	35.8	10.42	5.3	40.0	8.12	5.6	18.6
Expeditors	13.74	14.1	31.3	—	—	—	—	—	—
Material recording, scheduling, and distribution clerks, n.e.c.	8.85	8.2	30.9	9.22	11.3	40.0	7.57	4.9	17.3
Insurance adjusters, examiners, and investigators	13.99	7.5	38.9	13.99	7.5	38.9	—	—	—
Investigators and adjusters, except insurance ...	11.01	6.4	39.6	11.10	6.7	40.2	7.98	11.9	26.5
Bill and account collectors	11.41	4.9	39.2	11.49	5.0	40.0	—	—	—
General office clerks	10.29	3.9	36.5	10.46	4.3	39.6	8.55	7.4	20.6
Bank tellers	7.75	4.1	31.5	8.11	3.3	37.0	6.81	3.1	22.6
Data entry keyers	9.85	3.0	38.6	9.87	3.2	39.9	9.49	7.4	25.1
Teachers' aides	9.05	3.9	37.9	—	—	—	—	—	—
Administrative support, n.e.c.	11.22	6.7	38.8	11.34	6.6	40.1	9.32	11.4	26.0
Blue collar	12.81	2.4	38.6	13.14	2.5	40.4	7.93	5.0	22.9
Precision production, craft, and repair	15.86	4.2	40.1	15.87	4.2	40.2	12.49	10.1	20.9
Supervisors, mechanics and repairers	18.96	5.1	42.9	18.96	5.1	42.9	—	—	—
Automobile mechanics	14.85	8.7	40.1	14.85	8.7	40.1	—	—	—
Bus, truck, and stationary engine mechanics	11.68	6.5	40.5	11.68	6.5	40.5	—	—	—
Automobile body and related repairers	16.68	8.2	42.5	16.68	8.2	42.5	—	—	—
Aircraft mechanics, except engine	19.38	9.4	40.0	19.38	9.4	40.0	—	—	—
Heavy equipment mechanics	16.30	5.1	40.2	16.30	5.1	40.2	—	—	—
Industrial machinery repairers	15.50	3.9	39.5	15.50	3.9	39.5	—	—	—
Machinery maintenance	12.72	17.0	40.0	12.72	17.0	40.0	—	—	—
Electronic repairers, communications and industrial equipment	17.85	5.2	40.0	17.85	5.2	40.0	—	—	—
Heating, air conditioning, and refrigeration mechanics	15.94	11.0	40.0	15.94	11.0	40.0	—	—	—
Millwrights	19.82	9.8	40.0	19.82	9.8	40.0	—	—	—
Mechanics and repairers, n.e.c.	14.86	7.4	40.3	14.88	7.4	40.3	—	—	—
Supervisors, construction trades, n.e.c.	22.52	8.3	42.7	22.52	8.3	42.7	—	—	—
Carpenters	18.21	6.7	39.9	18.19	6.8	40.0	—	—	—
Electricians	23.37	8.9	40.0	23.37	8.9	40.0	—	—	—
Plumbers, pipefitters and steamfitters	17.99	14.8	40.0	17.99	14.8	40.0	—	—	—
Structural metal workers	17.44	7.6	40.0	17.44	7.6	40.0	—	—	—
Supervisors, production	20.12	5.2	41.6	20.12	5.2	41.6	—	—	—
Tool and die makers	21.88	2.1	40.0	21.88	2.1	40.0	—	—	—
Precision assemblers, metal	13.95	15.3	40.0	13.95	15.3	40.0	—	—	—
Machinists	16.76	6.9	40.0	16.76	6.9	40.0	—	—	—
Sheet metal workers	19.82	3.6	39.9	19.82	3.6	39.9	—	—	—
Electrical and electronic equipment assemblers	10.10	6.5	39.3	10.15	6.4	40.0	—	—	—
Miscellaneous precision workers, n.e.c.	13.77	9.9	40.0	13.77	9.9	40.0	—	—	—

See footnotes at end of table.

TABLE 4. Selected occupations, West 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									
Bakers	\$9.35	3.2	38.0	\$9.36	3.3	40.0	—	—	—
Inspectors, testers, and graders	17.92	10.8	40.8	17.92	10.8	40.8	—	—	—
Stationary engineers	18.24	6.0	40.0	18.24	6.0	40.0	—	—	—
Machine operators, assemblers, and inspectors	12.44	3.9	39.5	12.56	4.1	39.9	\$7.41	7.7	27.0
Punching and stamping press operators	11.99	4.5	39.2	12.04	4.4	40.0	—	—	—
Grinding, abrading, buffing, and polishing machine operators	11.93	8.1	40.3	11.93	8.1	40.3	—	—	—
Forging machine operators	12.29	4.6	40.0	12.29	4.6	40.0	—	—	—
Numerical control machine operators	15.05	9.5	40.0	15.05	9.5	40.0	—	—	—
Fabricating machine operators, n.e.c.	11.73	5.2	40.0	11.73	5.2	40.0	—	—	—
Molding and casting machine operators	11.61	6.2	39.6	11.63	6.1	39.8	—	—	—
Metal plating machine operators	14.28	5.2	40.0	14.28	5.2	40.0	—	—	—
Printing press operators	16.50	6.6	38.9	16.50	6.6	38.9	—	—	—
Photoengravers and lithographers	15.40	11.4	39.4	15.40	11.4	39.4	—	—	—
Laundering and dry cleaning machine operators	6.59	4.9	22.3	6.78	1.7	39.9	6.44	7.5	16.8
Cementing and gluing machine operators	15.94	12.1	40.0	15.94	12.1	40.0	—	—	—
Packaging and filling machine operators	11.97	10.4	39.5	12.00	10.6	40.0	—	—	—
Extruding and forming machine operators	8.88	5.4	39.3	8.88	5.4	39.3	—	—	—
Painting and paint spraying machine operators	14.85	4.7	40.0	14.85	4.7	40.0	—	—	—
Slicing and cutting machine operators	12.66	8.7	39.6	12.96	8.0	39.9	—	—	—
Photographic process machine operators	10.37	13.8	37.4	—	—	—	—	—	—
Miscellaneous machine operators, n.e.c.	12.90	8.2	39.7	12.93	8.2	39.9	—	—	—
Welders and cutters	12.74	6.4	40.0	12.74	6.4	40.0	—	—	—
Assemblers	12.45	4.4	39.8	12.84	4.1	40.0	—	—	—
Miscellaneous hand working, n.e.c.	12.62	5.5	40.0	12.62	5.5	40.0	—	—	—
Production inspectors, checkers and examiners	14.09	7.7	39.3	14.23	7.3	40.2	—	—	—
Production testers	14.98	8.5	40.0	14.98	8.5	40.0	—	—	—
Transportation and material moving	12.19	3.2	39.1	12.44	3.3	42.5	9.37	10.9	20.6
Supervisors, motor vehicle operators	16.99	10.7	41.3	16.99	10.7	41.3	—	—	—
Truck drivers	11.65	4.3	43.5	11.64	4.3	43.8	13.75	11.2	24.5
Driver-sales workers	—	—	—	13.97	19.3	40.0	—	—	—
Bus drivers	10.61	1.9	19.4	—	—	—	10.52	1.8	18.5
Taxicab drivers and chauffeurs	9.33	6.5	35.6	—	—	—	—	—	—
Motor transportation, n.e.c.	7.80	7.6	32.7	—	—	—	—	—	—
Supervisors, material moving equipment	21.04	2.2	40.7	21.04	2.2	40.7	—	—	—
Crane and tower operators	18.62	5.6	40.0	18.62	5.6	40.0	—	—	—
Industrial truck and tractor equipment operators	12.71	2.8	39.7	12.64	2.6	39.8	—	—	—
Miscellaneous material moving equipment operators, n.e.c.	14.75	9.9	39.9	14.77	10.0	40.0	—	—	—
Handlers, equipment cleaners, helpers, and laborers	9.61	2.4	35.7	10.05	1.8	39.7	7.31	3.4	23.4
Groundskeepers and gardeners, except farm ...	8.32	9.2	27.3	9.68	8.6	40.0	6.99	9.0	20.8
Supervisors, handlers, equipment cleaners, and laborers, n.e.c.	12.12	7.7	40.0	12.12	7.7	40.0	—	—	—
Helpers, mechanics and repairers	11.11	16.8	39.2	—	—	—	—	—	—
Helpers, construction trades	9.64	6.8	38.3	9.62	7.0	40.0	—	—	—
Construction laborers	12.02	10.3	39.7	11.97	10.2	39.9	—	—	—
Production helpers	10.64	6.0	38.6	10.76	5.5	39.3	—	—	—
Stock handlers and baggers	9.11	5.4	28.0	11.46	5.0	39.7	6.49	4.1	21.1
Machine feeders and offbearers	9.66	10.2	37.7	9.60	10.5	39.2	—	—	—
Freight, stock, and material handlers, n.e.c.	10.27	7.1	35.6	10.65	6.1	39.6	8.57	5.3	24.6
Garage and service station related	8.71	6.3	39.8	8.68	6.3	40.0	—	—	—
Vehicle washers and equipment cleaners	8.46	9.2	39.2	8.46	8.8	40.0	—	—	—
Hand packers and packagers	8.59	6.5	38.1	8.59	7.0	40.0	8.59	6.9	26.5
Laborers, except construction, n.e.c.	9.21	3.0	37.6	9.49	3.2	39.5	7.48	3.7	28.8
Service	8.05	3.5	28.7	8.93	4.0	38.9	6.48	3.6	19.6

See footnotes at end of table.

TABLE 4. Selected occupations, West 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									
Protective service	\$8.25	11.1	31.4	\$9.97	9.5	39.7	\$5.71	5.0	24.0
Guards and police, except public service	7.83	10.8	31.4	9.37	9.1	39.7	—	—	—
Food service	7.03	2.8	26.9	8.05	4.5	38.8	5.96	4.7	20.3
Waiters, waitresses, and bartenders	4.85	9.5	24.2	4.54	12.9	37.1	5.10	11.8	19.0
Bartenders	6.46	8.7	31.3	6.70	11.9	37.1	5.66	10.1	20.7
Waiters and waitresses	4.54	12.7	24.3	3.82	18.6	36.9	5.05	14.5	19.5
Waiters/Waitresses' assistants	5.77	7.4	19.2	6.92	9.2	38.9	5.25	8.5	15.6
Other food service	7.93	2.5	28.2	9.22	4.6	39.4	6.40	5.1	21.1
Supervisors, food preparation and service	10.37	7.9	40.2	10.43	8.2	41.2	—	—	—
Cooks	9.06	3.1	32.0	9.62	3.8	39.2	7.82	6.4	22.8
Kitchen workers, food preparation	7.29	4.4	28.0	7.78	5.2	39.7	6.89	6.0	22.7
Food preparation, n.e.c.	6.26	4.3	23.1	7.53	3.1	36.9	5.80	3.2	20.4
Health service	9.86	8.9	30.1	10.20	9.7	39.6	8.64	4.8	16.3
Health aides, except nursing	9.07	4.4	27.6	9.46	5.0	39.2	8.14	8.1	16.2
Nursing aides, orderlies and attendants	9.06	8.3	32.5	9.30	10.0	39.5	8.25	2.5	20.4
Cleaning and building service	8.34	6.3	30.2	8.83	6.2	38.5	6.89	4.4	18.5
Supervisors, cleaning and building service workers	11.09	13.0	37.4	11.12	13.1	37.7	—	—	—
Maids and housemen	6.81	4.9	29.8	7.04	4.2	38.3	—	—	—
Janitors and cleaners	8.72	4.6	29.4	9.35	5.6	38.8	7.27	3.9	18.9
Personal service	8.21	4.4	30.6	8.81	3.6	38.8	6.73	5.6	20.1
Supervisors, personal service	13.89	9.2	36.2	14.49	7.1	40.7	—	—	—
Attendants, amusement, and recreation facilities	7.65	4.0	36.7	—	—	—	6.44	4.9	26.0
Ushers	6.74	6.0	12.1	—	—	—	6.74	6.0	12.1
Welfare service aides	7.29	3.3	29.1	7.11	2.8	39.9	7.75	3.0	17.3
Early childhood teachers' assistants	6.83	5.3	27.8	7.68	4.3	39.9	—	—	—
Child care workers, n.e.c.	7.90	3.9	25.0	8.38	3.6	39.9	6.83	3.0	13.6
Service, n.e.c.	8.32	5.1	30.1	8.90	4.7	40.0	7.03	7.3	19.4

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 December 1998 and April

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

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, West 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	\$18.11	2.2	36.9	\$18.62	1.9	39.4	\$11.73	5.6	20.6
All, excluding sales	18.11	2.2	36.9	18.62	1.9	39.4	11.75	5.7	20.6
White collar	20.15	2.3	36.9	20.52	2.3	39.0	13.83	4.8	19.7
White collar, excluding sales	20.15	2.3	36.9	20.53	2.3	39.0	13.88	4.9	19.7
Professional specialty and technical	23.57	2.6	36.7	23.78	2.7	38.5	18.77	5.9	17.8
Professional specialty	24.67	2.6	36.6	24.83	2.6	38.4	20.29	7.8	16.1
Engineers, architects, and surveyors	25.25	5.6	40.0	25.25	5.6	40.0	—	—	—
Mathematical and computer scientists	21.20	2.9	40.0	21.20	2.9	40.0	—	—	—
Computer systems analysts and scientists	21.17	2.9	40.0	21.17	2.9	40.0	—	—	—
Natural scientists	16.79	7.7	39.9	16.79	7.7	39.9	—	—	—
Physical scientists, n.e.c.	24.09	7.3	39.5	24.09	7.3	39.5	—	—	—
Health related	25.32	10.2	36.6	25.33	11.0	39.2	25.29	17.2	21.9
Registered nurses	20.07	4.8	36.6	20.06	5.3	39.5	20.14	9.1	22.6
Teachers, college and university	29.74	5.8	37.1	29.94	5.9	39.9	23.06	6.9	10.8
Medical science teachers	35.49	18.5	40.0	35.49	18.5	40.0	—	—	—
Health specialties teachers	24.02	9.1	38.7	24.14	9.4	40.5	—	—	—
Art, drama, and music teachers	33.24	8.7	39.6	—	—	—	—	—	—
English teachers	25.71	8.5	37.5	—	—	—	—	—	—
Trade and industrial teachers	29.64	2.2	34.0	29.71	2.0	37.4	—	—	—
Other post-secondary teachers	24.85	14.1	30.0	25.11	15.7	38.8	22.95	9.4	11.2
Teachers, except college and university	25.56	2.6	35.1	25.77	2.6	37.0	19.20	15.1	14.0
Prekindergarten and kindergarten	26.82	6.0	34.7	27.47	5.7	37.1	—	—	—
Elementary school teachers	26.65	3.3	36.4	26.66	3.3	36.5	—	—	—
Secondary school teachers	26.23	3.6	35.6	25.99	3.7	37.3	—	—	—
Teachers, special education	23.21	6.6	37.4	23.24	6.8	37.8	—	—	—
Teachers, n.e.c.	21.86	7.6	30.7	23.07	8.6	37.0	11.69	12.5	12.7
Substitute teachers	9.61	5.1	11.3	—	—	—	9.61	5.1	11.3
Vocational and educational counselors	23.03	6.1	39.5	23.03	6.1	39.5	—	—	—
Librarians, archivists, and curators	24.96	8.9	38.2	25.02	8.9	38.4	—	—	—
Librarians	24.96	8.9	38.2	25.02	8.9	38.4	—	—	—
Social scientists and urban planners	23.65	6.2	39.6	23.65	6.2	39.6	—	—	—
Psychologists	25.09	5.4	39.5	25.09	5.4	39.5	—	—	—
Social, recreation, and religious workers	15.67	3.3	38.3	15.83	3.3	39.9	—	—	—
Social workers	15.68	3.3	38.4	15.84	3.3	39.9	—	—	—
Lawyers and judges	26.27	8.2	38.1	26.24	8.3	39.9	—	—	—
Lawyers	24.89	5.4	38.0	24.81	5.3	39.9	—	—	—
Writers, authors, entertainers, athletes, and professionals, n.e.c.	22.04	11.0	39.6	22.22	11.2	40.0	—	—	—
Professional, n.e.c.	23.55	14.7	40.0	23.55	14.7	40.0	—	—	—
Technical	14.05	5.3	37.1	13.94	5.9	40.0	14.85	5.7	24.1
Licensed practical nurses	10.34	6.0	37.8	9.73	5.1	39.9	16.62	12.5	24.7
Health technologists and technicians, n.e.c.	13.55	6.0	32.6	13.55	8.5	41.0	—	—	—
Engineering technicians, n.e.c.	17.26	5.1	40.0	17.26	5.1	40.0	—	—	—
Technical and related, n.e.c.	14.26	3.9	29.0	14.52	7.2	40.0	—	—	—
Executive, administrative, and managerial	23.41	4.3	39.6	23.50	4.4	40.5	14.63	14.6	12.6
Executives, administrators, and managers	27.05	4.0	39.6	27.21	4.0	40.9	13.24	17.3	10.8
Legislators	10.20	19.8	20.1	—	—	—	—	—	—
Administrators and officials, public administration	24.54	3.8	40.8	24.49	3.8	41.0	—	—	—
Administrators, education and related fields	35.35	4.8	40.6	35.49	4.8	40.6	—	—	—
Managers, service organizations, n.e.c.	20.42	10.5	40.0	20.42	10.5	40.0	—	—	—
Managers and administrators, n.e.c.	24.27	13.6	41.7	24.27	13.6	41.7	—	—	—
Management related	17.57	9.0	39.6	17.57	9.0	39.9	—	—	—
Accountants and auditors	19.00	5.3	39.7	19.00	5.3	39.7	—	—	—
Management analysts	20.95	14.5	40.0	20.95	14.5	40.0	—	—	—
Personnel, training, and labor relations specialists	20.69	6.3	39.8	20.73	6.3	39.8	—	—	—
Construction inspectors	17.74	7.1	39.7	17.74	7.1	39.7	—	—	—
Inspectors and compliance officers, except construction	18.56	9.6	39.9	18.56	9.6	39.9	—	—	—
Management related, n.e.c.	14.05	12.7	39.2	13.97	12.8	39.9	—	—	—

See footnotes at end of table.

TABLE 5. Selected occupations, West 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									
Sales	—	—	—	—	—	—	—	—	—
Administrative support, including clerical	\$11.42	2.3	36.4	\$11.65	2.3	39.2	\$9.50	5.5	22.4
Supervisors, general office	14.40	5.4	40.0	14.40	5.4	40.0	—	—	—
Secretaries	11.89	3.9	38.3	11.97	4.0	39.6	10.05	4.3	22.5
Typists	10.56	4.3	39.8	10.56	4.3	39.8	—	—	—
Receptionists	10.63	7.2	35.6	10.75	7.3	40.0	—	—	—
Information clerks, n.e.c.	10.69	17.6	34.1	9.46	15.8	40.0	—	—	—
Library clerks	9.48	5.5	25.4	9.90	4.6	38.5	9.16	9.1	20.3
Records clerks, n.e.c.	10.47	4.8	38.0	10.51	5.2	39.7	—	—	—
Bookkeepers, accounting and auditing clerks ...	13.69	5.2	39.4	13.73	5.4	39.9	—	—	—
Dispatchers	12.13	5.1	38.8	12.09	5.2	39.7	—	—	—
Stock and inventory clerks	14.39	9.1	37.5	14.43	9.3	38.1	—	—	—
Eligibility clerks, social welfare	13.06	4.4	40.0	13.06	4.4	40.0	—	—	—
General office clerks	11.43	5.0	36.3	11.83	4.9	39.9	8.96	7.2	23.5
Teachers' aides	8.90	4.8	30.5	8.89	6.3	34.9	8.93	7.4	24.3
Administrative support, n.e.c.	11.13	4.8	34.1	11.22	5.6	39.7	—	—	—
Blue collar	14.83	1.5	36.6	15.16	1.4	39.9	11.26	7.1	19.6
Precision production, craft, and repair	16.65	2.0	39.9	16.66	2.0	40.0	—	—	—
Bus, truck, and stationary engine mechanics	15.66	5.2	40.0	15.66	5.2	40.0	—	—	—
Heavy equipment mechanics	17.69	6.3	40.0	17.69	6.3	40.0	—	—	—
Mechanics and repairers, n.e.c.	14.39	7.8	39.7	14.40	7.8	40.0	—	—	—
Supervisors, construction trades, n.e.c.	17.30	3.5	40.0	17.30	3.5	40.0	—	—	—
Construction trades, n.e.c.	13.78	6.0	40.0	13.78	6.0	40.0	—	—	—
Water and sewer treatment plant operators	18.23	4.8	40.0	18.23	4.8	40.0	—	—	—
Machine operators, assemblers, and inspectors	—	—	—	—	—	—	—	—	—
Transportation and material moving	13.75	3.4	33.4	14.02	3.7	39.6	12.51	8.0	19.5
Truck drivers	13.07	7.9	40.0	13.07	7.9	40.0	—	—	—
Bus drivers	14.27	3.8	27.3	15.60	2.1	38.5	12.52	7.9	19.7
Operating engineers	15.54	7.3	40.0	15.54	7.3	40.0	—	—	—
Grader, dozer, and scrapper operators	12.16	3.6	40.0	12.16	3.6	40.0	—	—	—
Miscellaneous material moving equipment operators, n.e.c.	11.71	7.6	40.0	11.71	7.6	40.0	—	—	—
Handlers, equipment cleaners, helpers, and laborers	12.76	5.6	36.3	13.37	4.9	40.0	7.02	19.0	19.4
Groundskeepers and gardeners, except farm ...	14.12	6.2	38.4	14.41	6.7	40.0	—	—	—
Construction laborers	12.87	10.3	40.0	12.87	10.3	40.0	—	—	—
Laborers, except construction, n.e.c.	11.10	9.6	33.5	12.23	4.5	40.0	—	—	—
Service	13.08	4.3	36.8	13.71	3.4	40.6	8.82	6.7	22.4
Protective service	16.13	3.4	40.2	16.23	3.3	41.7	10.60	9.9	13.9
Supervisors, firefighters and fire prevention	17.35	11.6	52.1	17.35	11.6	52.1	—	—	—
Supervisors, police and detectives	23.74	3.0	40.0	23.74	3.0	40.0	—	—	—
Firefighting	13.81	3.3	46.4	13.85	3.4	49.4	—	—	—
Police and detectives, public service	17.49	4.1	39.9	17.50	4.1	40.0	—	—	—
Sheriffs, bailiffs, and other law enforcement officers	16.22	3.6	38.0	16.55	3.3	40.1	—	—	—
Correctional institution officers	13.51	6.0	39.3	13.55	6.0	39.9	—	—	—
Guards and police, except public service	13.05	8.6	33.7	12.49	8.1	39.6	—	—	—
Protective service, n.e.c.	10.53	12.7	27.6	11.24	12.9	40.0	—	—	—
Food service	8.26	4.6	28.2	8.26	5.6	37.2	8.25	5.9	20.1
Other food service	8.26	4.7	28.3	8.27	5.6	37.2	8.24	5.9	20.2
Supervisors, food preparation and service	11.84	10.6	28.6	13.84	9.9	36.9	—	—	—
Cooks	8.76	3.2	31.5	8.69	4.0	37.3	9.09	4.6	18.3
Kitchen workers, food preparation	7.32	3.8	34.8	—	—	—	—	—	—
Food preparation, n.e.c.	7.71	7.2	25.7	7.91	8.3	35.8	7.49	8.6	19.5

See footnotes at end of table.

TABLE 5. Selected occupations, West 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									
Health service	\$10.27	7.3	36.8	\$10.30	7.9	39.5	\$9.92	3.9	21.7
Nursing aides, orderlies and attendants	10.28	7.9	36.8	10.32	8.5	39.5	9.79	4.4	21.6
Cleaning and building service	11.01	5.4	38.7	11.13	5.1	39.9	7.95	9.4	21.4
Supervisors, cleaning and building service workers	15.47	11.5	38.7	15.47	11.5	38.7	–	–	–
Janitors and cleaners	10.84	5.7	38.7	10.96	5.5	40.0	7.95	9.4	21.4
Personal service	9.52	9.8	29.2	11.24	6.2	37.2	8.86	11.7	27.0
Welfare service aides	11.46	10.8	26.3	–	–	–	–	–	–
Early childhood teachers' assistants	9.18	12.1	29.3	10.88	9.9	34.9	8.79	13.6	28.3
Child care workers, n.e.c.	9.99	6.5	30.1	–	–	–	–	–	–

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

² 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 December 1998 and April

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

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 West North Central: Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1999

Occupations and level	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
All	\$14.37	2.8	35.3	\$13.84	3.2	35.1	\$18.11	2.2	36.9
All, excluding sales	14.61	3.0	36.0	14.02	3.4	35.9	18.11	2.2	36.9
White collar	17.07	3.6	35.5	16.44	4.4	35.3	20.15	2.3	36.9
1	6.71	2.7	25.3	6.67	2.8	25.2	7.72	4.3	25.8
2	7.22	2.8	27.7	7.02	2.6	27.3	9.45	6.8	33.8
3	8.80	2.3	31.5	8.71	2.3	31.4	10.27	4.6	33.7
4	10.45	1.9	36.3	10.46	2.1	36.2	10.40	2.5	36.6
5	13.38	3.5	38.5	13.43	3.8	38.6	12.88	3.3	36.9
6	14.58	2.4	37.8	14.75	2.5	38.1	13.83	4.7	36.5
7	17.74	3.1	38.4	17.00	3.8	39.0	20.58	4.3	36.2
8	20.67	2.5	38.4	19.34	5.6	39.2	23.06	5.0	36.9
9	23.68	2.3	39.0	23.68	2.9	39.6	23.69	3.5	37.9
10	26.42	4.1	34.6	26.89	4.5	33.7	23.77	4.9	41.0
11	32.20	4.7	40.6	33.16	5.2	40.7	28.70	4.2	40.3
12	36.30	3.3	40.9	36.80	3.5	41.0	33.50	8.0	39.9
13	67.01	23.1	42.6	75.24	23.4	43.2	38.89	12.6	40.6
14	52.62	5.3	42.4	57.64	4.6	43.5	39.93	8.8	40.0
15	164.40	31.2	36.5	169.79	30.5	38.2	-	-	-
Not able to be leveled	20.97	9.8	34.0	19.41	12.7	32.4	23.36	7.9	36.9
White collar, excluding sales	18.38	4.2	37.2	17.88	5.5	37.3	20.15	2.3	36.9
1	6.96	5.4	26.6	6.76	6.0	26.9	7.72	4.3	25.8
2	8.51	2.8	34.4	8.29	2.8	34.5	9.44	6.8	33.9
3	9.24	2.6	35.1	9.15	2.7	35.2	10.29	4.6	34.0
4	10.39	2.2	35.9	10.39	2.6	35.8	10.40	2.5	36.7
5	13.00	2.0	37.6	13.01	2.2	37.7	12.88	3.3	36.9
6	14.18	2.2	37.7	14.29	2.4	38.1	13.83	4.7	36.5
7	17.42	2.9	38.1	16.50	3.4	38.7	20.58	4.3	36.2
8	20.10	2.2	38.2	18.20	5.2	39.0	23.06	5.0	36.9
9	22.77	2.3	38.8	22.33	2.3	39.3	23.69	3.5	37.9
10	26.26	4.2	34.4	26.73	4.6	33.4	23.77	4.9	41.0
11	30.75	3.4	40.7	31.46	4.0	40.8	28.70	4.2	40.3
12	36.08	3.3	40.9	36.56	3.5	41.1	33.50	8.0	39.9
13	67.01	23.1	42.6	75.24	23.4	43.2	38.89	12.6	40.6
14	52.62	5.3	42.4	57.64	4.6	43.5	39.93	8.8	40.0
15	164.40	31.2	36.5	169.79	30.5	38.2	-	-	-
Not able to be leveled	20.91	10.1	34.0	19.23	13.4	32.2	23.36	7.9	36.9
Professional specialty and technical	21.51	1.9	35.9	20.46	2.5	35.5	23.57	2.6	36.7
Professional specialty	23.24	1.7	36.6	22.22	2.6	36.6	24.67	2.6	36.6
4	9.39	5.7	18.7	9.10	7.3	28.1	-	-	-
5	12.98	2.9	35.9	12.89	2.8	38.0	13.68	10.1	25.1
6	13.73	8.5	32.4	13.27	8.5	33.7	15.88	10.1	27.4
7	19.19	3.7	35.5	17.34	4.8	35.2	21.85	5.3	36.0
8	22.11	3.9	35.9	19.25	2.9	35.0	24.09	5.3	36.4
9	23.82	2.9	37.5	22.79	3.2	37.8	25.10	2.8	37.1
10	23.75	2.6	38.4	24.72	3.1	37.5	21.78	3.3	40.4
11	29.04	2.7	40.5	30.11	1.9	41.0	27.44	5.5	39.6
12	32.86	4.0	41.4	33.83	4.0	42.0	28.92	8.9	39.0
13	47.12	8.1	40.2	52.58	8.5	40.2	38.94	15.3	40.3
14	43.60	6.8	41.6	51.45	10.4	45.6	39.96	9.3	40.0
Not able to be leveled	20.55	10.4	32.7	17.82	12.6	29.6	24.52	9.6	38.5
Engineers, architects, and surveyors	28.03	2.3	41.2	28.44	2.1	41.4	25.25	5.6	40.0
7	22.55	3.2	40.3	23.02	3.5	40.4	-	-	-
8	24.72	4.3	40.2	24.51	4.5	40.2	-	-	-
9	23.65	2.6	41.2	24.46	2.6	41.6	21.09	4.2	40.0
10	25.18	2.8	40.3	25.18	2.8	40.3	-	-	-
11	30.07	1.7	42.8	30.17	1.7	42.9	-	-	-
12	35.41	4.8	41.1	36.74	4.9	41.5	-	-	-
13	40.12	4.3	39.9	40.12	4.3	39.9	-	-	-
Civil engineers	29.67	3.6	39.4	30.10	3.4	39.3	-	-	-
9	25.69	7.1	40.0	-	-	-	-	-	-
11	29.48	3.5	38.0	30.17	3.5	37.8	-	-	-
Electrical and electronic engineers	27.46	2.5	40.9	27.20	2.6	40.9	-	-	-

See footnotes at end of table.

TABLE 6. Occupations¹ and levels,² West North Central: Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1999—Continued

Occupations and level	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar —Continued									
Professional specialty and technical —Continued									
Professional specialty—Continued									
Engineers, architects, and surveyors—Continued									
Electrical and electronic engineers—Continued									
11	\$27.56	3.7	42.3	\$27.27	4.1	42.6	—	—	—
12	32.75	2.2	40.0	—	—	—	—	—	—
Industrial engineers	24.72	3.3	41.1	24.89	3.4	41.2	—	—	—
9	22.19	2.7	42.0	22.11	3.5	42.5	—	—	—
Mechanical engineers	27.15	4.1	40.2	26.80	5.0	40.2	—	—	—
10	24.01	3.6	40.4	24.01	3.6	40.4	—	—	—
Engineers, n.e.c.	28.50	3.5	42.4	29.34	3.1	42.7	—	—	—
7	22.79	4.1	40.4	23.56	4.7	40.5	—	—	—
9	24.39	2.4	41.5	25.12	4.1	42.1	—	—	—
10	26.08	4.6	40.5	26.08	4.6	40.5	—	—	—
11	31.36	2.1	46.0	31.36	2.1	46.0	—	—	—
12	36.27	3.3	43.4	36.27	3.3	43.4	—	—	—
Mathematical and computer scientists	24.07	5.5	40.0	24.33	6.3	40.0	\$21.20	2.9	40.0
8	19.78	7.4	40.2	19.78	7.4	40.2	—	—	—
9	24.82	1.7	40.0	24.93	1.6	40.0	22.46	6.4	39.8
10	25.36	4.4	40.0	27.46	2.4	40.0	—	—	—
11	29.08	3.8	40.6	29.94	2.7	40.7	—	—	—
12	32.98	4.6	40.1	32.98	4.6	40.1	—	—	—
13	38.81	5.3	40.0	38.81	5.3	40.0	—	—	—
Computer systems analysts and scientists	24.19	6.1	40.0	24.49	7.0	40.0	21.17	2.9	40.0
8	19.91	8.4	40.3	19.91	8.4	40.3	—	—	—
9	24.78	1.9	40.0	24.90	1.8	40.0	—	—	—
10	25.11	4.6	40.0	27.27	2.5	40.0	—	—	—
11	29.51	4.5	40.7	30.68	3.1	40.9	—	—	—
12	32.95	4.8	40.1	32.95	4.8	40.1	—	—	—
13	38.81	5.3	40.0	38.81	5.3	40.0	—	—	—
Operations and systems researchers and analysts	23.12	6.6	40.0	23.10	6.7	40.0	—	—	—
9	25.54	3.0	39.9	25.59	3.1	40.0	—	—	—
Natural scientists	20.79	8.8	40.3	24.86	9.7	40.7	16.79	7.7	39.9
7	18.77	4.0	40.0	—	—	—	—	—	—
9	22.80	5.4	39.7	—	—	—	—	—	—
12	26.79	13.3	41.2	32.77	4.3	42.6	—	—	—

See footnotes at end of table.

TABLE 6. Occupations¹ and levels,² West North Central: Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1999—Continued

Occupations and level	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar—Continued									
Professional specialty and technical—Continued									
Professional specialty—Continued									
Natural scientists—Continued									
Chemists, except biochemists	\$25.08	11.7	41.8	\$25.08	11.7	41.8	—	—	—
Physical scientists, n.e.c.	27.78	7.6	39.7	—	—	—	\$24.09	7.3	39.5
Biological and life scientists	19.63	12.6	40.0	26.05	13.2	40.0	—	—	—
Health related	22.19	3.2	34.0	21.58	3.2	33.5	25.32	10.2	36.6
5	13.79	3.8	34.0	13.79	3.8	34.0	—	—	—
6	14.40	10.1	35.2	14.41	10.2	35.2	—	—	—
7	17.59	3.3	31.7	17.74	3.6	31.2	16.70	5.6	35.1
8	18.99	5.4	34.0	18.59	4.9	33.6	21.31	5.3	37.0
9	21.20	3.2	35.1	21.06	3.5	34.7	21.82	5.5	37.2
10	21.56	9.0	33.6	19.75	10.7	31.7	—	—	—
11	32.22	10.5	35.9	33.21	13.5	35.4	29.33	8.7	37.3
13	71.99	6.8	40.9	77.18	8.7	41.7	—	—	—
Physicians	58.95	9.8	40.6	59.64	12.9	41.4	—	—	—
13	72.52	6.9	40.9	78.11	8.8	41.8	—	—	—
Registered nurses	18.72	1.8	33.5	18.49	2.0	33.0	20.07	4.8	36.6
5	13.88	4.9	33.3	13.88	4.9	33.3	—	—	—
6	17.02	5.0	32.0	17.14	5.4	31.9	—	—	—
7	17.68	3.3	31.6	17.86	3.7	31.2	16.47	6.0	34.5
8	18.23	3.5	33.9	18.09	3.9	33.4	19.21	3.5	37.8
9	20.38	3.8	35.1	20.04	3.8	34.6	21.78	6.4	37.3
10	24.63	5.2	34.8	—	—	—	—	—	—
11	27.14	7.1	35.9	24.84	8.8	34.7	—	—	—
Pharmacists	27.30	4.6	31.7	27.17	4.9	31.3	—	—	—
9	29.14	2.6	39.2	—	—	—	—	—	—
Dietitians	13.13	9.1	32.6	12.78	9.2	34.2	—	—	—
Respiratory therapists	17.42	10.1	39.4	17.42	10.1	39.4	—	—	—
Occupational therapists	23.56	3.9	28.2	23.65	4.4	26.5	—	—	—
Physical therapists	22.83	5.3	35.6	23.54	5.4	35.1	—	—	—
9	23.04	6.3	38.3	—	—	—	—	—	—
Speech therapists	25.72	4.5	30.6	—	—	—	—	—	—
Therapists, n.e.c.	15.54	7.0	40.0	15.25	7.5	40.0	—	—	—
Physicians' assistants	26.79	8.6	40.0	—	—	—	—	—	—
Teachers, college and university	29.53	5.2	35.5	28.20	4.9	28.1	29.74	5.8	37.1
7	26.42	6.6	23.8	—	—	—	27.19	4.5	29.8
8	19.60	21.4	36.4	23.80	5.6	32.7	18.11	27.8	37.9
9	26.46	5.5	36.9	26.01	10.0	32.9	26.51	5.8	37.4
10	24.94	6.2	37.8	—	—	—	—	—	—
11	30.28	6.9	39.9	—	—	—	30.53	7.8	40.2
13	35.08	6.0	40.6	—	—	—	34.73	6.5	40.8
Social science teachers, n.e.c.	32.48	3.3	39.3	—	—	—	—	—	—
Mathematical science teachers	21.58	25.7	40.6	—	—	—	—	—	—
Medical science teachers	34.93	18.1	39.9	—	—	—	35.49	18.5	40.0
Health specialties teachers	23.86	7.3	38.8	23.24	2.1	39.2	24.02	9.1	38.7
Business, commerce, and marketing teachers ..	35.94	6.3	35.0	—	—	—	—	—	—
Art, drama, and music teachers	33.11	7.6	37.8	32.59	13.3	32.0	33.24	8.7	39.6
8	37.61	23.4	25.1	—	—	—	—	—	—
Education teachers	23.53	6.0	27.8	—	—	—	—	—	—
English teachers	25.42	8.1	31.4	—	—	—	25.71	8.5	37.5
Trade and industrial teachers	29.60	2.2	33.8	—	—	—	29.64	2.2	34.0
Other post-secondary teachers	25.11	12.5	29.3	27.07	8.1	24.9	24.85	14.1	30.0
7	24.33	10.6	20.4	—	—	—	24.73	10.7	20.7
8	16.28	12.8	37.8	—	—	—	—	—	—
11	26.98	13.9	40.0	—	—	—	—	—	—
Teachers, except college and university	24.38	2.3	34.3	12.81	14.1	28.0	25.56	2.6	35.1
4	9.45	6.7	16.8	9.06	9.2	26.8	—	—	—
5	11.81	9.0	23.4	12.58	10.5	33.3	11.26	15.7	19.4
6	11.70	29.1	25.3	—	—	—	20.83	5.1	27.1
7	23.18	5.0	36.5	15.54	2.5	33.6	23.37	5.1	36.6

See footnotes at end of table.

TABLE 6. Occupations¹ and levels,² West North Central: Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1999—Continued

Occupations and level	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar—Continued									
Professional specialty and technical—Continued									
Professional specialty—Continued									
Teachers, except college and university—Continued									
8	\$26.25	3.8	35.4	\$16.52	14.0	32.0	\$26.58	3.9	35.5
9	27.59	2.7	36.1	21.11	4.7	39.3	27.96	3.2	35.9
10	23.98	5.7	24.4	—	—	—	—	—	—
Prekindergarten and kindergarten	15.17	20.6	28.0	—	—	—	26.82	6.0	34.7
8	25.62	7.9	34.8	—	—	—	25.62	7.9	34.8
Elementary school teachers	26.57	3.2	36.5	21.67	9.8	38.3	26.65	3.3	36.4
5	18.31	3.4	40.3	19.60	6.3	40.8	—	—	—
6	21.72	.0	36.7	—	—	—	21.72	.0	36.7
7	24.36	5.7	36.5	—	—	—	24.40	5.8	36.5
8	26.24	4.2	36.2	19.30	15.3	39.0	26.36	4.5	36.2
9	29.18	2.9	36.7	26.58	8.4	37.3	29.23	3.0	36.7
Secondary school teachers	26.10	3.5	35.6	20.31	6.7	33.7	26.23	3.6	35.6
5	19.42	16.4	38.2	—	—	—	—	—	—
6	21.90	2.4	33.0	—	—	—	21.90	2.4	33.0
7	24.00	6.8	37.6	15.66	5.2	34.2	24.20	7.1	37.7
8	27.73	3.8	34.5	20.64	6.5	33.8	27.90	3.7	34.6
9	27.39	5.7	34.4	—	—	—	27.41	5.8	34.4
Teachers, special education	22.77	6.7	37.4	—	—	—	23.21	6.6	37.4
7	19.67	8.2	38.8	—	—	—	19.67	8.2	38.8
8	25.83	4.7	35.4	—	—	—	25.92	4.7	35.3
9	29.09	3.2	36.7	—	—	—	29.13	3.2	36.7
Teachers, n.e.c.	20.73	6.6	30.1	13.79	7.0	26.9	21.86	7.6	30.7
5	10.20	6.9	22.0	—	—	—	9.98	9.0	20.9
6	13.05	9.5	26.9	13.06	11.1	33.1	—	—	—
7	22.97	6.7	35.4	15.88	3.1	34.1	24.06	6.4	35.6
8	25.14	9.5	34.4	—	—	—	—	—	—
9	22.94	14.7	35.4	—	—	—	22.92	14.8	35.4
Substitute teachers	9.61	5.1	11.3	—	—	—	9.61	5.1	11.3
Vocational and educational counselors	20.64	6.9	35.7	17.33	12.2	31.6	23.03	6.1	39.5
8	20.36	14.0	35.9	—	—	—	—	—	—
9	20.83	8.0	39.5	—	—	—	—	—	—
Librarians, archivists, and curators	20.61	16.3	38.7	—	—	—	24.96	8.9	38.2
7	22.41	14.5	37.9	—	—	—	22.92	15.5	37.9
8	30.20	9.8	35.6	—	—	—	—	—	—
9	27.00	15.2	39.0	—	—	—	—	—	—
Librarians	20.61	16.5	38.7	—	—	—	24.96	8.9	38.2
7	22.66	15.6	37.7	—	—	—	22.92	15.5	37.9
8	30.20	9.8	35.6	—	—	—	—	—	—
9	27.00	15.2	39.0	—	—	—	—	—	—
Social scientists and urban planners	21.34	6.6	39.6	19.74	8.3	39.6	23.65	6.2	39.6
9	21.21	5.0	40.0	22.19	6.0	40.0	—	—	—
Economists	19.09	10.4	40.0	19.09	10.4	40.0	—	—	—
9	22.19	6.0	40.0	22.19	6.0	40.0	—	—	—
Psychologists	24.25	4.4	39.2	—	—	—	25.09	5.4	39.5
Social, recreation, and religious workers	14.22	4.7	38.9	13.03	8.4	39.5	15.67	3.3	38.3
6	14.51	8.4	38.7	—	—	—	—	—	—
7	12.23	9.0	38.2	—	—	—	14.52	6.2	35.4
8	14.59	2.6	39.1	13.68	11.1	32.8	14.66	2.7	39.7
9	17.96	5.5	39.4	16.23	8.8	35.9	18.20	6.2	39.9
10	20.46	8.4	40.0	—	—	—	—	—	—
Social workers	14.16	4.9	39.0	12.89	8.7	39.5	15.68	3.3	38.4
6	14.55	8.3	38.7	—	—	—	—	—	—
7	12.12	8.9	38.4	—	—	—	14.46	6.6	35.6
8	14.61	2.7	39.3	14.01	12.3	34.6	14.66	2.7	39.7
9	17.86	5.5	39.4	—	—	—	18.20	6.2	39.9
Recreation workers	13.63	7.6	37.4	—	—	—	—	—	—
Lawyers and judges	29.03	6.8	42.3	33.82	10.1	52.0	26.27	8.2	38.1

See footnotes at end of table.

TABLE 6. Occupations¹ and levels,² West North Central: Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1999—Continued

Occupations and level	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar—Continued									
Professional specialty and technical—Continued									
Professional specialty—Continued									
Lawyers and judges—Continued									
11	\$29.76	8.5	38.0	—	—	—	—	—	—
12	28.07	14.1	47.2	—	—	—	—	—	—
Lawyers	28.30	5.7	42.4	\$33.82	10.1	52.0	\$24.89	5.4	38.0
11	29.76	8.5	38.0	—	—	—	—	—	—
12	28.07	14.1	47.2	—	—	—	—	—	—
Writers, authors, entertainers, athletes, and professionals, n.e.c.									
5	20.17	8.0	35.7	19.69	9.6	34.8	22.04	11.0	39.6
6	11.52	8.9	40.0	11.13	8.1	40.0	—	—	—
7	11.59	3.7	38.7	11.60	3.8	38.7	—	—	—
8	15.76	3.1	40.0	15.93	4.1	40.0	—	—	—
9	19.10	7.7	38.8	17.06	3.5	37.4	—	—	—
11	19.90	5.6	40.5	19.92	6.0	40.5	—	—	—
Not able to be leveled	25.94	6.9	40.0	25.94	6.9	40.0	—	—	—
Designers	19.58	12.4	31.3	17.61	14.5	29.2	25.22	15.3	39.2
Painters, sculptors, craft artists, and artist printmakers	16.39	5.4	40.0	16.62	5.8	40.0	—	—	—
Not able to be leveled	19.32	15.3	40.9	19.15	16.4	41.0	—	—	—
Editors and reporters	19.32	15.3	40.9	19.15	16.4	41.0	—	—	—
9	19.48	9.0	38.6	19.48	9.0	38.6	—	—	—
Public relations specialists	17.66	6.8	40.7	17.66	6.8	40.7	—	—	—
9	15.25	17.9	38.7	15.22	18.6	38.7	—	—	—
Professional, n.e.c.	19.59	6.3	39.9	—	—	—	—	—	—
9	26.80	10.9	40.2	30.00	12.5	40.3	23.55	14.7	40.0
Technical	21.97	2.0	40.0	22.38	1.7	40.0	—	—	—
4	16.99	6.6	34.1	17.42	7.2	33.8	14.05	5.3	37.1
5	10.83	5.3	32.7	11.45	5.8	31.6	8.53	2.0	37.9
6	13.20	1.7	35.8	13.19	1.9	35.8	13.41	5.7	37.6
7	14.74	5.5	37.4	14.91	5.7	38.1	14.27	6.7	35.4
8	17.61	6.6	38.2	17.75	7.8	38.8	16.92	6.5	35.4
9	19.03	3.3	39.4	19.51	2.7	39.6	16.56	3.6	38.5
11	21.11	2.9	40.0	21.50	3.9	40.0	19.68	1.4	40.0
Clinical laboratory technologists and technicians	33.10	8.6	33.2	33.17	8.6	33.2	—	—	—
4	15.24	6.1	38.3	14.69	5.9	38.1	—	—	—
5	9.20	5.9	39.9	9.20	5.9	39.9	—	—	—
7	14.62	2.1	33.4	14.66	2.2	32.7	—	—	—
8	16.49	10.5	38.2	15.91	10.6	38.0	—	—	—
Radiological technicians	17.11	8.9	40.0	17.11	8.9	40.0	—	—	—
5	16.63	4.1	34.2	16.59	4.4	34.1	—	—	—
6	15.13	5.1	26.8	15.13	5.1	26.8	—	—	—
8	17.61	6.6	37.2	17.78	6.6	37.1	—	—	—
Licensed practical nurses	18.12	5.9	39.5	18.39	8.4	39.3	—	—	—
4	12.07	4.0	34.5	12.41	3.7	33.9	10.34	6.0	37.8
5	10.60	5.8	31.3	11.86	4.1	28.1	8.25	1.1	39.9
6	12.89	3.1	36.3	12.92	3.1	36.3	—	—	—
7	12.36	6.1	36.3	12.07	5.3	37.0	12.90	9.1	35.1
Health technologists and technicians, n.e.c.	13.45	5.5	34.8	—	—	—	—	—	—
4	11.77	5.3	34.6	11.66	5.5	34.7	13.55	6.0	32.6
5	9.94	4.9	30.9	9.85	4.9	31.5	—	—	—
6	12.93	3.4	35.0	12.90	3.5	34.9	—	—	—
7	13.90	8.7	38.2	12.55	11.5	38.3	—	—	—
Electrical and electronic technicians	14.00	6.0	37.4	13.95	6.3	37.1	—	—	—
6	18.27	6.0	40.0	18.27	6.2	40.2	—	—	—
7	18.61	7.5	39.1	—	—	—	—	—	—
8	17.69	8.6	42.2	17.69	8.6	42.2	—	—	—
Engineering technicians, n.e.c.	17.70	9.3	39.0	17.71	9.6	40.4	—	—	—
7	18.60	3.1	39.8	19.50	2.6	39.6	17.26	5.1	40.0
	18.85	4.3	40.0	19.42	2.9	40.0	—	—	—

See footnotes at end of table.

TABLE 6. Occupations¹ and levels,² West North Central: Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1999—Continued

Occupations and level	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar—Continued									
Professional specialty and technical—Continued									
Technical—Continued									
Engineering technicians, n.e.c.—Continued									
8	\$19.14	6.4	40.0	\$21.33	1.9	40.1	—	—	—
Drafters	15.50	3.7	39.5	15.51	4.0	39.4	—	—	—
5	15.05	6.2	40.0	15.28	6.6	40.0	—	—	—
7	17.57	6.4	40.0	—	—	—	—	—	—
Science technicians, n.e.c.	14.78	9.1	39.1	14.45	8.8	39.0	—	—	—
Airplane pilots and navigators ..	97.62	20.6	19.9	97.62	20.6	19.9	—	—	—
Computer programmers	21.30	4.7	40.1	21.70	5.0	40.1	—	—	—
8	19.48	4.0	41.2	19.62	4.0	41.2	—	—	—
9	21.71	4.7	40.2	23.31	2.4	40.3	—	—	—
Legal assistants	19.70	10.2	38.2	19.81	10.8	38.8	—	—	—
Technical and related, n.e.c.	17.73	8.1	34.7	18.65	9.9	36.6	\$14.26	3.9	29.0
5	14.15	7.5	38.9	13.68	9.1	38.5	—	—	—
6	14.53	1.1	34.9	—	—	—	—	—	—
7	17.48	8.4	31.8	19.11	3.3	37.5	—	—	—
8	18.78	10.1	33.3	19.36	11.1	33.7	—	—	—
Executive, administrative, and managerial	26.01	10.7	41.4	26.39	12.0	41.6	23.41	4.3	39.6
5	12.46	4.3	35.4	12.43	4.8	35.0	12.59	5.6	37.3
6	14.13	4.5	40.2	13.95	4.5	40.3	16.19	6.1	39.7
7	15.90	5.1	41.3	15.82	5.2	41.3	17.91	3.6	39.7
8	16.73	9.9	42.5	16.35	11.1	43.0	19.00	4.6	39.9
9	21.63	3.5	40.6	22.07	3.4	40.7	19.62	10.7	40.0
10	28.08	8.3	43.8	28.15	9.1	44.1	27.60	10.1	42.3
11	32.16	5.1	41.4	32.25	6.0	41.3	31.60	3.1	41.8
12	36.88	2.8	42.3	36.41	3.1	42.5	40.14	7.6	41.2
13	82.49	28.2	46.5	86.26	27.3	46.9	—	—	—
14	58.43	4.6	43.0	58.94	4.6	43.1	—	—	—
Not able to be leveled	24.86	10.1	36.2	28.41	16.3	40.0	22.18	11.2	33.8
Executives, administrators, and managers	29.11	13.6	42.6	29.37	15.1	43.0	27.05	4.0	39.6
5	10.08	12.3	44.8	10.08	13.0	46.2	—	—	—
6	14.40	5.4	40.9	—	—	—	—	—	—
7	15.66	5.6	43.0	15.61	5.7	43.1	18.64	8.2	40.0
8	14.46	10.1	44.3	13.86	9.3	45.0	19.14	7.2	39.7
9	21.82	4.3	41.0	21.86	4.8	41.1	21.55	3.4	40.0
10	28.45	8.7	44.2	28.36	9.5	44.5	29.11	10.5	42.7
11	32.74	5.7	41.4	32.87	6.7	41.3	32.08	3.6	42.0
12	36.50	2.9	42.6	35.81	3.0	42.8	40.76	7.7	41.4
13	82.60	28.2	46.5	86.39	27.3	46.9	—	—	—
14	58.95	4.6	43.0	59.48	4.6	43.1	—	—	—
Not able to be leveled	24.80	10.9	35.9	28.99	17.7	40.0	22.18	11.2	33.8
Legislators	10.20	19.8	20.1	—	—	—	10.20	19.8	20.1
Not able to be leveled	10.20	19.8	20.1	—	—	—	10.20	19.8	20.1
Administrators and officials, public administration	24.47	3.9	40.7	—	—	—	24.54	3.8	40.8
9	21.87	4.7	40.0	—	—	—	21.87	4.7	40.0
11	29.69	7.1	42.4	—	—	—	—	—	—
Financial managers	44.05	26.3	43.6	44.18	26.3	43.6	—	—	—
9	22.12	3.4	40.2	22.12	3.4	40.2	—	—	—
10	29.32	11.6	45.7	29.44	11.8	45.9	—	—	—
12	33.97	5.8	41.1	33.97	5.8	41.1	—	—	—
14	51.34	8.3	41.9	51.34	8.3	41.9	—	—	—
Purchasing managers	25.39	7.2	44.1	25.69	7.3	44.3	—	—	—
Managers, marketing, advertising, and public relations	37.91	8.5	41.0	37.91	8.5	41.0	—	—	—
9	23.33	2.5	42.6	23.33	2.5	42.6	—	—	—
11	31.83	6.5	40.0	31.83	6.5	40.0	—	—	—
12	37.26	7.7	41.7	37.26	7.7	41.7	—	—	—
13	50.29	11.6	39.6	50.29	11.6	39.6	—	—	—

See footnotes at end of table.

TABLE 6. Occupations¹ and levels,² West North Central: Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1999—Continued

Occupations and level	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar—Continued									
Executive, administrative, and managerial—Continued									
Executives, administrators, and managers—Continued									
Administrators, education and related fields	\$31.45	6.2	40.3	\$22.90	7.2	39.9	\$35.35	4.8	40.6
7	13.69	5.8	40.0	13.69	5.8	40.0	—	—	—
8	16.08	11.8	37.1	—	—	—	—	—	—
9	21.43	8.8	39.9	18.61	10.8	39.6	—	—	—
10	32.76	11.7	40.5	17.68	16.7	44.7	35.65	9.4	39.8
11	30.21	9.4	40.7	—	—	—	33.16	4.5	41.1
12	39.22	10.2	41.0	27.07	12.5	40.6	42.48	9.4	41.2
Managers, medicine and health	27.85	6.0	40.2	28.13	5.7	40.3	—	—	—
9	27.24	9.6	40.0	27.99	9.1	40.0	—	—	—
11	29.81	6.3	40.8	29.82	6.4	40.8	—	—	—
Managers, food servicing and lodging establishments	16.09	10.8	41.2	16.18	11.1	41.4	—	—	—
Managers, properties and real estate	15.55	9.0	39.9	15.48	9.2	39.9	—	—	—
Managers, service organizations, n.e.c.	15.39	13.6	40.3	14.84	13.9	40.4	20.42	10.5	40.0
11	25.22	6.8	40.7	—	—	—	—	—	—
Managers and administrators, n.e.c.	26.76	8.1	43.5	26.92	8.2	43.6	24.27	13.6	41.7
7	17.19	6.4	44.9	17.19	6.4	44.9	—	—	—
8	21.23	4.8	42.0	20.77	6.6	42.9	—	—	—
9	23.85	2.6	43.2	24.15	2.6	43.5	—	—	—
10	27.08	3.8	42.0	27.08	3.8	42.0	—	—	—
11	31.19	1.8	42.2	31.36	1.8	41.9	—	—	—
12	37.63	3.6	44.0	37.65	3.8	44.1	—	—	—
13	43.62	4.7	42.9	45.11	3.8	42.7	—	—	—
14	62.87	5.6	43.8	62.87	5.6	43.8	—	—	—
Not able to be leveled	24.35	19.9	40.0	—	—	—	—	—	—
Management related	19.18	4.5	39.0	19.48	5.2	38.8	17.57	9.0	39.6
5	12.99	3.2	33.8	13.07	4.2	32.8	12.73	6.6	37.8
6	14.04	5.6	40.0	13.93	5.7	40.0	15.51	4.6	39.5
7	16.37	6.2	38.2	16.26	6.6	38.1	17.59	3.8	39.6
8	19.71	3.6	40.3	19.89	4.0	40.4	18.90	6.0	40.0
9	21.32	6.1	39.8	22.49	3.5	39.8	17.95	19.0	40.0
10	23.72	4.7	39.6	25.30	2.8	39.4	—	—	—
11	29.25	5.0	41.4	29.47	5.2	41.6	—	—	—
12	39.34	8.5	40.2	39.87	8.5	40.3	—	—	—
Not able to be leveled	25.57	5.5	40.0	25.57	5.5	40.0	—	—	—
Accountants and auditors	22.70	9.4	39.5	23.12	10.1	39.4	19.00	5.3	39.7
5	16.07	6.9	40.0	15.91	7.6	40.0	—	—	—
7	19.58	5.4	40.0	19.49	6.5	40.0	—	—	—
8	20.55	6.0	40.4	20.69	6.0	40.4	—	—	—
9	22.95	9.9	38.5	23.24	9.9	38.4	—	—	—
Underwriters	18.49	10.7	39.7	18.49	10.7	39.7	—	—	—
9	20.29	4.1	39.6	20.29	4.1	39.6	—	—	—
Other financial officers	20.26	7.2	40.8	20.11	7.4	40.9	—	—	—
6	13.26	2.2	40.0	13.26	2.2	40.0	—	—	—
8	19.75	6.2	40.6	19.78	6.2	40.6	—	—	—
9	24.06	2.9	40.7	23.20	1.8	41.0	—	—	—
11	34.11	13.2	41.8	34.11	13.2	41.8	—	—	—
Management analysts	24.12	9.8	40.1	25.12	10.7	40.1	20.95	14.5	40.0
9	22.09	5.3	40.0	—	—	—	—	—	—
Personnel, training, and labor relations specialists	16.82	9.4	40.1	16.49	9.5	40.2	20.69	6.3	39.8
7	17.02	4.7	40.9	17.06	4.8	41.0	—	—	—
8	19.75	3.1	39.9	—	—	—	—	—	—
9	21.94	8.0	37.4	21.22	9.7	36.8	—	—	—
Buyers, wholesale and retail trade, except farm products	25.85	7.7	28.8	25.85	7.7	28.8	—	—	—
Purchasing agents and buyers, n.e.c.	20.71	4.6	40.8	20.03	7.6	40.9	—	—	—

See footnotes at end of table.

TABLE 6. Occupations¹ and levels,² West North Central: Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1999—Continued

Occupations and level	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar—Continued									
Executive, administrative, and managerial—Continued									
Management related—Continued									
Purchasing agents and buyers, n.e.c.—Continued									
7	\$16.46	7.8	40.0	\$16.46	7.8	40.0	—	—	—
9	24.31	2.8	41.2	—	—	—	—	—	—
Construction inspectors	19.75	10.6	39.8	—	—	—	\$17.74	7.1	39.7
Inspectors and compliance officers, except construction	18.63	7.9	39.9	—	—	—	18.56	9.6	39.9
Management related, n.e.c.	16.24	6.8	37.7	16.83	8.0	37.3	14.05	12.7	39.2
5	12.70	4.2	28.1	13.10	7.0	24.3	—	—	—
6	16.87	10.8	40.3	16.87	10.8	40.3	—	—	—
7	—	—	—	—	—	—	17.53	5.9	39.8
8	15.70	4.8	40.0	16.05	5.8	40.0	—	—	—
9	18.12	17.0	40.4	22.54	2.9	40.7	—	—	—
11	27.17	5.7	42.1	—	—	—	—	—	—
Not able to be leveled	25.57	5.5	40.0	25.57	5.5	40.0	—	—	—
Sales									
1	12.60	6.0	30.8	12.60	6.0	30.8	—	—	—
2	6.65	3.3	24.9	6.65	3.3	24.9	—	—	—
3	6.25	2.1	24.2	6.24	2.1	24.2	—	—	—
4	7.87	2.2	26.0	7.88	2.2	26.0	—	—	—
5	10.63	3.8	37.4	10.63	3.8	37.4	—	—	—
6	14.37	9.4	40.9	14.36	9.4	40.9	—	—	—
7	16.22	5.1	38.0	16.22	5.1	38.0	—	—	—
8	21.14	17.8	42.1	21.14	17.8	42.1	—	—	—
9	26.37	9.8	40.5	26.37	9.8	40.5	—	—	—
10	36.73	8.7	42.3	36.73	8.7	42.3	—	—	—
11	29.39	11.1	39.6	29.39	11.1	39.6	—	—	—
Supervisors, sales	40.51	8.5	40.5	40.51	8.5	40.5	—	—	—
4	15.87	9.1	41.3	15.87	9.1	41.3	—	—	—
5	9.42	10.9	38.1	9.42	10.9	38.1	—	—	—
7	9.38	9.7	42.4	9.38	9.7	42.4	—	—	—
8	15.20	4.6	44.4	15.20	4.6	44.4	—	—	—
11	19.40	8.8	40.7	19.40	8.8	40.7	—	—	—
Insurance sales	35.17	8.1	38.3	35.17	8.1	38.3	—	—	—
Securities and financial services sales	19.96	15.2	33.4	19.96	15.2	33.4	—	—	—
Advertising and related sales	43.08	18.8	41.6	43.08	18.8	41.6	—	—	—
Sales, other business services	16.23	11.4	37.8	16.23	11.4	37.8	—	—	—
4	17.50	13.8	33.2	17.50	13.8	33.2	—	—	—
8	10.48	3.7	29.7	10.48	3.7	29.7	—	—	—
Sales engineers	40.34	40.0	40.5	40.34	40.0	40.5	—	—	—
Sales representatives, mining, manufacturing, and wholesale	22.44	8.1	41.6	22.44	8.1	41.6	—	—	—
7	25.65	16.8	39.9	25.65	16.8	39.9	—	—	—
8	19.92	6.9	38.8	19.92	6.9	38.8	—	—	—
10	19.05	5.9	40.6	19.05	5.9	40.6	—	—	—
Sales workers, motor vehicles and boats	30.89	6.2	40.0	30.89	6.2	40.0	—	—	—
5	20.84	13.6	45.7	20.84	13.6	45.7	—	—	—
Sales workers, apparel	20.17	12.5	48.6	20.17	12.5	48.6	—	—	—
Sales workers, hardware and building supplies	8.37	5.4	30.5	8.37	5.4	30.5	—	—	—
Sales workers, parts	11.70	8.3	39.1	11.70	8.3	39.1	—	—	—
4	15.16	29.4	38.2	15.16	29.4	38.2	—	—	—
Sales workers, other commodities	12.83	3.6	41.6	12.83	3.6	41.6	—	—	—
3	9.59	9.9	28.3	9.60	9.9	28.3	—	—	—
4	7.68	1.3	26.4	7.68	1.3	26.5	—	—	—
Sales counter clerks	9.54	1.7	35.4	9.54	1.7	35.4	—	—	—
1	6.74	3.5	28.6	6.74	3.5	28.6	—	—	—
3	5.81	1.2	32.4	5.81	1.2	32.4	—	—	—
	8.01	6.5	34.9	8.01	6.5	34.9	—	—	—

See footnotes at end of table.

TABLE 6. Occupations¹ and levels,² West North Central: Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1999—Continued

Occupations and level	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar—Continued									
Sales—Continued									
Cashiers	\$7.03	2.1	24.2	\$7.02	2.1	24.2	—	—	—
1	6.98	1.7	24.9	6.98	1.7	24.9	—	—	—
2	6.16	3.0	24.5	6.16	3.0	24.5	—	—	—
3	7.79	2.5	22.2	7.79	2.5	22.3	—	—	—
Demonstrators, promoters, and models, sales ..	8.63	5.9	21.4	8.63	5.9	21.4	—	—	—
Sales support, n.e.c.	9.86	7.0	39.6	9.86	7.0	39.6	—	—	—
Administrative support, including clerical	11.03	2.1	36.4	10.95	2.4	36.4	\$11.42	2.3	36.4
1	6.96	5.4	26.6	6.76	6.0	26.9	7.72	4.3	25.8
2	8.55	2.8	34.6	8.33	2.8	34.8	9.44	6.8	33.9
3	9.24	2.6	35.1	9.15	2.8	35.2	10.29	4.6	34.0
4	10.33	2.3	36.7	10.24	2.7	36.5	10.79	2.7	37.4
5	12.98	3.2	39.1	13.01	3.6	39.1	12.76	3.7	39.3
6	14.16	2.8	39.4	14.65	3.1	39.4	13.01	4.4	39.4
7	15.62	2.6	39.2	15.88	3.0	39.9	14.27	4.7	36.1
8	19.94	5.6	40.4	20.69	5.0	40.4	—	—	—
9	21.59	5.0	40.0	21.30	4.4	40.0	—	—	—
10	23.96	4.9	39.0	23.96	4.9	39.0	—	—	—
Not able to be leveled	15.99	30.3	37.8	16.56	32.9	37.6	—	—	—
Supervisors, general office	14.52	4.1	40.2	14.56	5.1	40.2	14.40	5.4	40.0
5	13.44	3.4	40.0	13.34	4.3	40.0	—	—	—
6	13.99	7.8	40.0	12.67	5.3	40.0	—	—	—
7	13.01	11.6	40.0	13.21	12.9	40.0	—	—	—
8	16.31	7.1	40.7	—	—	—	—	—	—
9	19.73	8.7	41.8	19.73	8.7	41.8	—	—	—
Supervisors, financial records processing	14.81	12.0	41.3	14.62	12.6	41.4	—	—	—
Supervisors, distribution, scheduling, and adjusting clerks	15.37	9.0	39.8	17.88	9.8	39.7	—	—	—
Computer operators	13.63	5.3	38.9	13.75	5.3	38.9	—	—	—
4	11.70	6.5	35.7	11.70	6.5	35.7	—	—	—
Peripheral equipment operators	9.81	1.0	39.9	9.81	1.0	39.9	—	—	—
Secretaries	11.25	4.9	37.5	11.03	6.5	37.2	11.89	3.9	38.3
2	8.24	6.4	32.8	—	—	—	9.19	11.8	33.2
3	9.28	3.0	36.4	9.10	2.7	36.4	11.96	5.3	37.0
4	9.47	6.8	36.8	9.10	8.0	36.4	10.66	4.9	38.5
5	13.22	3.2	39.1	13.29	3.6	39.0	13.00	7.1	39.6
6	14.30	8.9	39.6	16.28	4.8	39.4	11.84	4.8	39.9
7	15.38	4.5	38.5	15.42	2.6	40.2	—	—	—
Stenographers	11.59	4.2	39.5	11.59	4.2	39.5	—	—	—
Typists	10.38	4.0	38.7	9.84	5.8	35.9	10.56	4.3	39.8
3	9.72	9.0	38.9	—	—	—	—	—	—
4	10.06	5.9	39.7	—	—	—	10.10	6.6	39.7
5	12.39	3.5	37.6	—	—	—	—	—	—
Interviewers	9.16	5.5	32.5	9.13	5.7	32.4	—	—	—
3	8.49	6.3	32.7	—	—	—	—	—	—
Hotel clerks	—	—	—	—	—	—	—	—	—
3	7.56	1.8	36.7	7.56	1.8	36.7	—	—	—
Receptionists	8.77	4.1	33.6	8.71	4.0	33.6	10.63	7.2	35.6
2	8.29	2.2	37.1	8.28	2.2	37.1	—	—	—
3	9.00	5.5	33.8	8.91	5.7	33.7	10.63	8.8	36.1
4	9.20	12.4	29.5	9.09	12.7	29.3	—	—	—
Information clerks, n.e.c.	11.20	7.4	35.4	11.45	4.5	36.0	10.69	17.6	34.1
2	11.66	5.2	34.5	—	—	—	—	—	—
3	7.63	5.5	37.3	8.33	5.5	33.6	—	—	—
4	12.22	6.2	38.3	12.26	7.8	37.7	—	—	—
Correspondence clerks	14.71	7.0	40.0	14.73	7.1	40.0	—	—	—
Order clerks	12.16	7.7	37.0	12.16	7.7	37.0	—	—	—
3	8.88	14.2	32.3	8.88	14.2	32.3	—	—	—
4	12.38	8.8	39.8	12.38	8.8	39.8	—	—	—
5	13.31	6.5	39.8	13.31	6.5	39.8	—	—	—

See footnotes at end of table.

TABLE 6. Occupations¹ and levels,² West North Central: Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1999—Continued

Occupations and level	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar—Continued									
Administrative support, including clerical—Continued									
Order clerks—Continued									
6	\$15.03	11.3	40.0	\$15.03	11.3	40.0	—	—	—
Personnel clerks, except payroll and timekeeping	11.62	7.9	38.9	11.61	8.0	38.9	—	—	—
4	11.03	8.0	38.7	10.98	8.3	38.7	—	—	—
Library clerks	9.50	4.9	26.5	—	—	—	\$9.48	5.5	25.4
1	7.01	9.1	15.5	—	—	—	7.01	9.1	15.5
3	8.93	10.5	29.6	—	—	—	8.94	10.8	29.3
4	9.82	6.7	25.0	—	—	—	9.84	8.7	22.4
File clerks	8.80	3.4	36.0	8.80	3.4	36.0	—	—	—
2	8.56	3.4	36.0	8.56	3.4	36.0	—	—	—
Records clerks, n.e.c.	9.61	8.4	38.6	9.51	9.3	38.6	10.47	4.8	38.0
3	9.21	2.9	37.9	9.21	3.0	38.1	—	—	—
4	10.50	4.7	38.2	10.55	5.3	38.2	10.20	5.7	38.3
5	12.93	5.3	39.9	13.15	5.8	39.9	—	—	—
6	14.77	15.5	39.5	16.41	15.5	39.3	—	—	—
Bookkeepers, accounting and auditing clerks ...	10.86	3.2	37.7	10.51	3.4	37.5	13.69	5.2	39.4
3	9.54	3.8	33.4	9.52	3.9	33.3	—	—	—
4	10.18	3.1	38.8	9.90	2.7	38.8	12.67	3.5	38.6
5	10.34	9.8	39.6	10.23	9.7	39.6	—	—	—
6	12.42	7.3	37.7	11.42	8.6	36.7	—	—	—
7	16.54	4.3	39.8	16.79	4.9	39.7	15.52	2.7	40.0
Payroll and timekeeping clerks	13.72	6.6	21.0	13.57	7.1	20.6	—	—	—
Billing clerks									
4	10.17	4.8	38.5	10.20	4.7	38.5	—	—	—
Telephone operators	12.39	8.4	31.0	12.40	8.4	31.0	—	—	—
3	9.68	6.8	26.7	9.68	6.8	26.7	—	—	—
Mail clerks, except postal service	7.42	9.2	32.7	7.36	9.7	32.4	—	—	—
Messengers	7.99	2.9	28.0	7.95	3.0	27.3	—	—	—
Dispatchers	15.19	16.9	38.8	18.19	24.2	38.8	12.13	5.1	38.8
3	11.28	14.5	34.9	—	—	—	—	—	—
4	10.02	6.4	40.0	—	—	—	—	—	—
5	12.70	9.6	38.8	—	—	—	—	—	—
6	15.65	3.9	36.1	—	—	—	—	—	—
Production coordinators	15.13	3.5	39.5	15.13	3.5	39.5	—	—	—
7	17.67	2.9	40.3	17.67	2.9	40.3	—	—	—
Traffic, shipping and receiving clerks	11.08	8.5	39.1	11.10	8.5	39.1	—	—	—
3	8.18	2.8	39.3	8.11	2.8	39.3	—	—	—
4	10.49	4.2	39.6	10.49	4.2	39.6	—	—	—
5	15.85	4.8	40.0	15.85	4.8	40.0	—	—	—
Stock and inventory clerks	10.37	4.3	35.9	10.19	4.6	35.8	14.39	9.1	37.5
3	9.15	6.3	30.9	9.15	6.4	30.8	—	—	—
4	10.64	6.8	38.0	10.18	5.9	37.9	—	—	—
5	12.89	5.0	40.0	12.89	5.0	40.0	—	—	—
Weighers, measurers, checkers, and samplers	13.70	26.9	20.0	—	—	—	—	—	—
Expeditors	13.74	14.1	31.3	13.74	14.1	31.3	—	—	—
Material recording, scheduling, and distribution clerks, n.e.c.	8.90	8.1	31.0	8.85	8.2	30.9	—	—	—
4	8.51	7.1	24.3	8.39	7.3	24.0	—	—	—
Insurance adjusters, examiners, and investigators	14.02	7.4	38.9	13.99	7.5	38.9	—	—	—
4	10.24	5.2	39.1	10.24	5.2	39.1	—	—	—
5	12.86	7.1	40.0	12.86	7.1	40.0	—	—	—
6	13.80	3.0	39.4	13.73	3.4	39.3	—	—	—
7	16.81	2.6	38.6	16.82	2.8	38.5	—	—	—
8	21.15	7.1	38.8	21.15	7.1	38.8	—	—	—
Investigators and adjusters, except insurance ...	11.01	6.3	39.6	11.01	6.4	39.6	—	—	—
3	8.76	3.1	39.4	8.76	3.1	39.4	—	—	—
4	10.89	6.6	39.9	10.89	6.7	39.9	—	—	—

See footnotes at end of table.

TABLE 6. Occupations¹ and levels,² West North Central: Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1999—Continued

Occupations and level	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar —Continued									
Administrative support, including clerical									
—Continued									
Investigators and adjusters, except insurance									
—Continued									
5	\$12.18	16.5	39.8	\$12.18	16.5	39.8	—	—	—
6	15.10	3.2	40.0	15.10	3.2	40.0	—	—	—
Eligibility clerks, social welfare	12.92	4.1	39.3	—	—	—	\$13.06	4.4	40.0
6	12.55	3.8	40.0	—	—	—	12.55	3.8	40.0
Bill and account collectors	11.69	5.1	39.3	11.41	4.9	39.2	—	—	—
5	13.26	4.6	40.0	—	—	—	—	—	—
6	13.44	3.8	40.0	—	—	—	—	—	—
General office clerks	10.57	4.0	36.5	10.29	3.9	36.5	11.43	5.0	36.3
1	7.28	5.2	25.0	7.19	4.9	25.4	7.57	10.9	24.0
2	9.67	7.0	35.6	8.71	5.6	32.8	10.91	12.3	39.9
3	9.77	2.8	37.5	9.55	2.9	38.0	10.95	8.2	35.5
4	11.04	3.0	38.5	10.81	2.6	39.1	11.94	6.6	36.4
5	13.65	6.3	38.9	14.43	6.4	38.0	12.90	11.4	39.9
6	13.95	8.5	39.3	15.18	3.1	38.8	—	—	—
Bank tellers	7.75	4.1	31.5	7.75	4.1	31.5	—	—	—
2	6.71	2.6	28.8	6.71	2.6	28.8	—	—	—
3	7.53	7.2	30.5	7.53	7.2	30.5	—	—	—
Data entry keyers	9.72	3.4	38.8	9.85	3.0	38.6	—	—	—
2	8.83	4.4	36.5	8.83	4.4	36.5	—	—	—
3	9.68	5.0	38.8	9.62	5.3	38.7	—	—	—
4	9.42	5.7	39.4	9.76	5.3	39.2	—	—	—
Teachers' aides	8.91	4.7	30.7	9.05	3.9	37.9	8.90	4.8	30.5
1	7.65	6.7	27.2	—	—	—	7.65	6.7	27.2
2	8.51	9.9	32.8	—	—	—	8.52	9.9	32.8
3	8.86	11.1	25.7	—	—	—	8.86	11.1	25.7
4	9.75	6.0	32.8	—	—	—	9.77	6.2	32.6
5	10.50	6.9	33.8	—	—	—	10.91	7.2	32.0
Administrative support, n.e.c.	11.21	6.0	38.2	11.22	6.7	38.8	11.13	4.8	34.1
2	9.64	8.5	32.1	9.64	8.5	32.1	—	—	—
3	10.00	3.5	35.5	9.71	4.2	38.7	10.85	3.7	28.3
4	11.40	3.4	39.4	11.54	3.4	39.4	—	—	—
5	11.21	7.2	38.8	11.21	7.3	38.8	—	—	—
6	14.23	2.6	39.9	14.08	2.8	39.9	—	—	—
7	14.78	5.2	41.1	15.19	4.7	41.2	—	—	—
Blue collar	12.90	2.4	38.5	12.81	2.4	38.6	14.83	1.5	36.6
1	7.96	3.5	33.4	7.96	3.5	33.5	6.97	14.1	22.0
2	9.28	2.8	36.4	9.24	2.8	36.7	12.28	13.7	20.6
3	11.03	3.3	39.3	10.95	3.3	39.4	13.45	4.0	35.5
4	11.68	2.4	38.0	11.66	2.4	38.0	12.19	3.9	36.8
5	13.91	2.9	40.2	13.84	3.0	40.4	14.98	4.4	37.9
6	14.44	3.8	42.8	14.49	4.1	43.0	13.64	6.4	39.1
7	18.12	2.9	40.1	18.30	3.2	40.2	15.82	4.6	39.8
8	21.05	2.7	40.0	21.05	2.9	40.0	21.10	6.8	40.0
9	21.63	2.5	41.8	21.68	2.7	41.9	20.87	3.3	40.0
Not able to be leveled	15.68	26.2	40.0	15.68	26.2	40.0	—	—	—
Precision production, craft, and repair	15.90	4.0	40.1	15.86	4.2	40.1	16.65	2.0	39.9
2	8.78	3.9	39.9	8.78	4.0	39.9	—	—	—
4	11.11	7.1	38.9	11.08	7.4	38.8	—	—	—
5	13.49	6.1	39.9	13.29	6.4	39.9	16.71	3.5	40.0
6	14.82	2.4	40.6	14.82	2.5	40.6	14.74	3.8	40.0
7	18.41	3.3	40.2	18.55	3.6	40.2	16.57	2.6	39.9
8	21.30	2.2	40.0	21.30	2.3	40.0	21.25	7.0	40.0
9	21.46	2.8	42.0	21.47	2.9	42.1	21.24	2.5	40.0
Supervisors, mechanics and repairers	19.06	4.8	42.8	18.96	5.1	42.9	—	—	—
7	18.47	11.4	40.4	18.66	11.6	40.4	—	—	—

See footnotes at end of table.

TABLE 6. Occupations¹ and levels,² West North Central: Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1999—Continued

Occupations and level	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
Blue collar—Continued									
Precision production, craft, and repair—Continued									
Supervisors, mechanics and repairers—Continued									
9	\$20.50	3.5	46.2	\$20.53	3.6	46.5	—	—	—
Automobile mechanics	14.86	8.5	40.1	14.85	8.7	40.1	—	—	—
5	12.56	14.8	40.1	12.55	15.1	40.1	—	—	—
7	16.94	2.5	40.3	—	—	—	—	—	—
Bus, truck, and stationary engine mechanics	12.31	6.4	40.5	11.68	6.5	40.5	\$15.66	5.2	40.0
6	11.45	8.4	40.7	—	—	—	—	—	—
7	16.70	5.6	40.0	15.96	6.3	40.0	—	—	—
Automobile body and related repairers	16.68	8.2	42.5	16.68	8.2	42.5	—	—	—
Aircraft mechanics, except engine	19.38	9.4	40.0	19.38	9.4	40.0	—	—	—
Heavy equipment mechanics	16.91	3.4	40.1	16.30	5.1	40.2	17.69	6.3	40.0
7	17.50	2.9	40.1	16.90	2.9	40.2	—	—	—
Industrial machinery repairers	15.53	3.8	39.5	15.50	3.9	39.5	—	—	—
5	15.08	9.9	40.0	15.08	9.9	40.0	—	—	—
6	17.50	8.1	40.0	17.50	8.1	40.0	—	—	—
Machinery maintenance	12.72	17.0	40.0	12.72	17.0	40.0	—	—	—
Electronic repairers, communications and industrial equipment	16.83	5.0	39.7	17.85	5.2	40.0	—	—	—
7	17.05	6.8	39.4	19.19	4.2	40.0	—	—	—
Heating, air conditioning, and refrigeration mechanics	15.89	10.7	40.0	15.94	11.0	40.0	—	—	—
Millwrights	19.82	9.8	40.0	19.82	9.8	40.0	—	—	—
Mechanics and repairers, n.e.c.	14.84	7.0	40.2	14.86	7.4	40.3	14.39	7.8	39.7
5	15.10	4.9	39.7	15.12	5.0	39.7	—	—	—
6	15.51	8.7	40.0	16.19	8.4	40.0	—	—	—
7	15.78	4.0	40.6	15.75	4.2	40.7	16.24	5.2	39.5
Supervisors, plumbers, pipefitters, and steamfitters	23.68	5.2	40.0	—	—	—	—	—	—
Supervisors, construction trades, n.e.c.	18.68	4.6	40.7	22.52	8.3	42.7	17.30	3.5	40.0
9	21.40	3.5	43.3	—	—	—	—	—	—
Carpenters	18.20	6.2	39.9	18.21	6.7	39.9	—	—	—
6	22.60	8.8	40.0	22.60	8.8	40.0	—	—	—
7	18.69	5.9	39.9	18.84	6.4	39.9	—	—	—
Electricians	23.25	8.8	40.0	23.37	8.9	40.0	—	—	—
7	23.30	9.8	40.0	23.40	9.7	40.0	—	—	—
8	22.50	6.4	40.0	—	—	—	—	—	—
9	22.09	3.4	40.0	—	—	—	—	—	—
Plumbers, pipefitters and steamfitters	17.96	14.5	40.0	17.99	14.8	40.0	—	—	—
7	22.57	4.7	40.0	22.57	4.7	40.0	—	—	—
8	25.26	1.9	39.8	25.26	1.9	39.8	—	—	—
Structural metal workers	17.44	7.6	40.0	17.44	7.6	40.0	—	—	—
Construction trades, n.e.c.	14.80	4.4	40.3	—	—	—	13.78	6.0	40.0
5	14.82	4.8	40.0	—	—	—	—	—	—
Supervisors, production	19.69	4.8	41.4	20.12	5.2	41.6	—	—	—
7	18.38	6.4	40.3	19.69	14.2	40.4	—	—	—
8	22.02	5.1	40.0	21.49	5.1	40.0	—	—	—
9	23.71	1.5	43.8	23.71	1.5	43.8	—	—	—
Tool and die makers	21.88	2.1	40.0	21.88	2.1	40.0	—	—	—
7	22.75	2.1	40.0	22.75	2.1	40.0	—	—	—
Precision assemblers, metal	13.95	15.3	40.0	13.95	15.3	40.0	—	—	—
Machinists	16.80	7.0	40.0	16.76	6.9	40.0	—	—	—
6	17.93	4.3	40.0	17.51	4.0	40.0	—	—	—
Sheet metal workers	19.82	3.6	39.9	19.82	3.6	39.9	—	—	—
Electrical and electronic equipment assemblers	10.10	6.5	39.3	10.10	6.5	39.3	—	—	—
4	11.93	1.4	40.0	11.93	1.4	40.0	—	—	—
Miscellaneous precision workers, n.e.c.	13.77	9.9	40.0	13.77	9.9	40.0	—	—	—
5	13.17	6.9	40.0	13.17	6.9	40.0	—	—	—
Butchers and meat cutters									
7	16.55	10.3	39.7	16.55	10.3	39.7	—	—	—

See footnotes at end of table.

TABLE 6. Occupations¹ and levels,² West North Central: Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1999—Continued

Occupations and level	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
Blue collar—Continued									
Precision production, craft, and repair—Continued									
Bakers	\$9.35	3.2	38.0	\$9.35	3.2	38.0	—	—	—
Inspectors, testers, and graders	17.92	10.8	40.8	17.92	10.8	40.8	—	—	—
6	21.07	5.1	42.8	21.07	5.1	42.8	—	—	—
7	18.42	5.9	40.7	18.42	5.9	40.7	—	—	—
Water and sewer treatment plant operators	18.23	4.8	40.0	—	—	—	\$18.23	4.8	40.0
Stationary engineers	17.09	5.6	40.0	18.24	6.0	40.0	—	—	—
7	17.82	5.3	40.0	17.54	6.2	40.0	—	—	—
Machine operators, assemblers, and inspectors									
1	12.44	3.9	39.5	12.44	3.9	39.5	—	—	—
2	8.14	4.1	38.5	8.14	4.1	38.5	—	—	—
3	10.17	4.4	38.2	10.16	4.4	38.2	—	—	—
4	12.46	6.5	39.8	12.46	6.5	39.8	—	—	—
5	12.18	2.4	39.9	12.18	2.4	39.9	—	—	—
6	13.65	3.6	40.0	13.65	3.6	40.0	—	—	—
7	14.97	3.8	39.8	14.97	3.8	39.8	—	—	—
9	17.20	3.1	39.9	17.20	3.1	39.9	—	—	—
Punching and stamping press operators	21.22	6.7	38.1	21.22	6.7	38.1	—	—	—
5	11.99	4.5	39.2	11.99	4.5	39.2	—	—	—
Grinding, abrading, buffing, and polishing machine operators	12.61	6.9	40.0	12.61	6.9	40.0	—	—	—
3	11.93	8.1	40.3	11.93	8.1	40.3	—	—	—
Forging machine operators	11.51	12.2	40.0	11.51	12.2	40.0	—	—	—
Numerical control machine operators	12.29	4.6	40.0	12.29	4.6	40.0	—	—	—
Fabricating machine operators, n.e.c.	15.05	9.5	40.0	15.05	9.5	40.0	—	—	—
4	11.73	5.2	40.0	11.73	5.2	40.0	—	—	—
5	11.44	6.5	40.0	11.44	6.5	40.0	—	—	—
Molding and casting machine operators	13.40	4.4	40.2	13.40	4.4	40.2	—	—	—
Metal plating machine operators	11.61	6.2	39.6	11.61	6.2	39.6	—	—	—
Printing press operators	14.28	5.2	40.0	14.28	5.2	40.0	—	—	—
5	16.50	6.6	38.9	16.50	6.6	38.9	—	—	—
7	13.84	7.2	39.1	13.84	7.2	39.1	—	—	—
Photoengravers and lithographers	18.24	7.8	40.0	18.24	7.8	40.0	—	—	—
Laundry and dry cleaning machine operators	15.40	11.4	39.4	15.40	11.4	39.4	—	—	—
1	6.59	4.9	22.3	6.59	4.9	22.3	—	—	—
Cementing and gluing machine operators	6.97	5.7	20.2	6.97	5.8	20.2	—	—	—
Packaging and filling machine operators	15.94	12.1	40.0	15.94	12.1	40.0	—	—	—
1	11.97	10.4	39.5	11.97	10.4	39.5	—	—	—
4	8.46	4.7	40.0	8.46	4.7	40.0	—	—	—
Extruding and forming machine operators	13.14	5.5	38.8	13.14	5.5	38.8	—	—	—
Painting and paint spraying machine operators	8.88	5.4	39.3	8.88	5.4	39.3	—	—	—
5	14.85	4.7	40.0	14.85	4.7	40.0	—	—	—
Slicing and cutting machine operators	13.75	4.5	40.0	13.75	4.5	40.0	—	—	—
Photographic process machine operators	12.66	8.7	39.6	12.66	8.7	39.6	—	—	—
Miscellaneous machine operators, n.e.c.	10.37	13.8	37.4	10.37	13.8	37.4	—	—	—
1	12.90	8.2	39.7	12.90	8.2	39.7	—	—	—
2	9.12	3.8	36.6	9.12	3.8	36.6	—	—	—
3	10.76	6.2	39.2	10.76	6.2	39.3	—	—	—
4	9.18	13.1	40.0	9.18	13.1	40.0	—	—	—
5	12.25	3.3	40.0	12.25	3.3	40.0	—	—	—
Welders and cutters	15.06	1.7	40.0	15.06	1.7	40.0	—	—	—
4	12.74	6.4	40.0	12.74	6.4	40.0	—	—	—
5	10.59	4.4	40.0	10.59	4.4	40.0	—	—	—
7	13.42	4.9	40.1	13.42	4.9	40.1	—	—	—
Assemblers	17.40	4.3	40.0	17.40	4.3	40.0	—	—	—
1	12.45	4.4	39.8	12.45	4.4	39.8	—	—	—
2	8.07	9.6	39.6	8.07	9.6	39.6	—	—	—
3	9.89	5.1	39.3	9.89	5.1	39.3	—	—	—
4	16.12	8.5	40.0	16.12	8.5	40.0	—	—	—
5	13.85	5.0	40.0	13.85	5.0	40.0	—	—	—
7	13.11	4.0	40.1	13.11	4.0	40.1	—	—	—

See footnotes at end of table.

TABLE 6. Occupations¹ and levels,² West North Central: Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1999—Continued

Occupations and level	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
Blue collar—Continued									
Machine operators, assemblers, and inspectors—Continued									
Miscellaneous hand working, n.e.c.	\$12.62	5.5	40.0	\$12.62	5.5	40.0	—	—	—
Production inspectors, checkers and examiners	14.09	7.7	39.3	14.09	7.7	39.3	—	—	—
4	12.64	9.5	37.9	12.64	9.5	37.9	—	—	—
5	11.67	7.2	41.2	11.67	7.2	41.2	—	—	—
6	14.17	9.6	39.5	14.17	9.6	39.5	—	—	—
Production testers	14.98	8.5	40.0	14.98	8.5	40.0	—	—	—
Transportation and material moving	12.32	2.8	38.6	12.19	3.2	39.1	\$13.75	3.4	33.4
1	6.85	8.4	29.9	6.78	8.6	30.2	—	—	—
2	11.05	3.7	32.3	10.73	3.9	35.2	13.08	17.0	20.9
3	10.64	4.1	38.9	10.40	4.0	39.3	14.25	4.1	33.4
4	11.89	5.8	35.7	11.85	6.0	35.7	12.81	2.3	34.4
5	14.80	3.7	41.2	14.83	4.0	42.1	14.43	1.9	34.3
6	13.30	10.6	52.0	13.41	11.8	54.1	12.30	11.4	37.9
7	18.69	11.2	41.0	21.36	7.4	41.9	13.01	8.9	39.3
8	23.20	10.5	42.9	23.20	10.5	42.9	—	—	—
9	23.98	9.2	41.4	24.84	10.9	41.9	—	—	—
Supervisors, motor vehicle operators	17.13	9.3	41.1	16.99	10.7	41.3	—	—	—
Truck drivers	11.67	4.3	43.4	11.65	4.3	43.5	13.07	7.9	40.0
2	12.00	5.8	37.5	11.36	5.6	37.2	—	—	—
3	9.46	3.1	40.7	9.46	3.2	40.7	—	—	—
4	10.99	7.7	42.2	10.92	7.7	42.3	—	—	—
5	14.83	5.3	42.6	14.84	5.3	42.6	—	—	—
Bus drivers	12.20	3.4	22.2	10.61	1.9	19.4	14.27	3.8	27.3
2	10.99	8.5	23.9	—	—	—	12.21	18.9	19.3
3	14.17	4.1	31.4	10.08	3.1	30.0	15.31	3.8	31.8
4	11.39	4.6	17.6	11.28	4.9	17.3	—	—	—
5	14.95	2.0	31.7	—	—	—	14.80	1.4	31.3
Taxicab drivers and chauffeurs	9.32	6.6	33.2	9.33	6.5	35.6	—	—	—
Motor transportation, n.e.c.	7.80	7.6	32.7	7.80	7.6	32.7	—	—	—
Supervisors, material moving equipment	21.04	2.2	40.7	21.04	2.2	40.7	—	—	—
Operating engineers	16.72	5.5	40.0	—	—	—	15.54	7.3	40.0
Crane and tower operators	18.62	5.6	40.0	18.62	5.6	40.0	—	—	—
Excavating and loading machine operators	17.08	12.6	40.0	—	—	—	—	—	—
Grader, dozer, and scrapper operators	13.41	5.5	40.0	—	—	—	12.16	3.6	40.0
Industrial truck and tractor equipment operators	12.71	2.8	39.7	12.71	2.8	39.7	—	—	—
2	10.89	8.1	39.5	10.89	8.1	39.5	—	—	—
3	13.24	3.3	39.7	13.24	3.3	39.7	—	—	—
4	12.64	5.2	40.0	12.64	5.2	40.0	—	—	—
5	12.97	8.2	39.2	12.97	8.2	39.2	—	—	—
Miscellaneous material moving equipment operators, n.e.c.	14.06	8.0	39.9	14.75	9.9	39.9	11.71	7.6	40.0
4	12.71	13.4	40.0	12.82	15.6	40.0	—	—	—
Handlers, equipment cleaners, helpers, and laborers									
.....	9.72	2.4	35.7	9.61	2.4	35.7	12.76	5.6	36.3
1	8.02	3.8	32.3	8.04	3.8	32.4	5.87	9.9	23.0
2	8.75	5.2	35.5	8.75	5.2	35.6	—	—	—
3	10.62	3.4	38.9	10.57	3.4	38.9	12.04	6.3	40.0
4	11.30	5.1	38.6	11.30	5.2	38.6	11.32	4.5	38.8
5	14.01	3.1	39.2	13.96	2.3	39.0	14.18	10.0	40.0
6	14.45	6.8	38.9	14.52	8.3	38.7	14.05	6.3	40.0
Groundskeepers and gardeners, except farm ...	10.99	7.7	31.5	8.32	9.2	27.3	14.12	6.2	38.4
1	6.19	4.0	22.7	—	—	—	—	—	—
3	11.80	3.8	33.7	10.82	4.7	30.8	—	—	—
Supervisors, handlers, equipment cleaners, and laborers, n.e.c.	12.74	9.5	40.0	12.12	7.7	40.0	—	—	—
6	12.43	14.1	39.6	—	—	—	—	—	—
Helpers, mechanics and repairers	11.11	16.8	39.2	11.11	16.8	39.2	—	—	—

See footnotes at end of table.

TABLE 6. Occupations¹ and levels,² West North Central: Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1999—Continued

Occupations and level	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
Blue collar—Continued									
Handlers, equipment cleaners, helpers, and laborers—Continued									
Helpers, construction trades	\$9.64	6.8	38.3	\$9.64	6.8	38.3	—	—	—
Construction laborers	12.09	9.6	39.7	12.02	10.3	39.7	\$12.87	10.3	40.0
2	10.77	12.5	39.7	10.77	12.5	39.7	—	—	—
4	16.11	7.2	39.8	17.56	4.1	39.7	11.79	8.2	40.0
Production helpers	10.64	6.0	38.6	10.64	6.0	38.6	—	—	—
1	8.48	6.1	36.1	8.48	6.1	36.1	—	—	—
2	9.53	3.0	37.8	9.53	3.0	37.8	—	—	—
3	11.70	7.1	40.0	11.70	7.1	40.0	—	—	—
4	11.32	3.5	40.0	11.32	3.5	40.0	—	—	—
Stock handlers and baggers	9.10	5.4	27.9	9.11	5.4	28.0	—	—	—
1	6.87	6.5	23.8	6.87	6.6	23.9	—	—	—
2	8.69	9.6	25.8	8.69	9.6	25.8	—	—	—
3	11.55	9.6	38.3	11.56	9.6	38.3	—	—	—
4	11.87	5.4	37.0	11.87	5.4	37.0	—	—	—
5	13.70	3.9	37.2	13.70	3.9	37.2	—	—	—
Machine feeders and offbearers	9.66	10.2	37.7	9.66	10.2	37.7	—	—	—
2	10.90	13.6	35.3	10.90	13.6	35.3	—	—	—
Freight, stock, and material handlers, n.e.c.	10.27	7.1	35.6	10.27	7.1	35.6	—	—	—
1	9.24	6.3	33.9	9.24	6.3	33.9	—	—	—
2	8.43	4.2	35.8	8.43	4.2	35.8	—	—	—
3	14.12	8.9	37.3	14.12	8.9	37.3	—	—	—
4	11.67	5.0	38.2	11.67	5.0	38.2	—	—	—
Garage and service station related	8.71	6.3	39.8	8.71	6.3	39.8	—	—	—
3	12.59	19.1	38.8	12.59	19.1	38.8	—	—	—
Vehicle washers and equipment cleaners	8.46	9.2	39.2	8.46	9.2	39.2	—	—	—
1	7.20	6.3	38.4	7.20	6.3	38.4	—	—	—
Hand packers and packagers	8.59	6.5	38.1	8.59	6.5	38.1	—	—	—
1	7.94	8.3	37.2	7.94	8.3	37.2	—	—	—
2	9.75	10.5	37.2	9.75	10.5	37.2	—	—	—
3	8.23	10.9	40.0	8.23	10.9	40.0	—	—	—
4	9.79	5.2	40.8	9.79	5.2	40.8	—	—	—
Laborers, except construction, n.e.c.	9.28	3.0	37.4	9.21	3.0	37.6	11.10	9.6	33.5
1	8.18	4.5	36.3	8.21	4.2	36.5	—	—	—
2	8.66	6.3	38.2	8.66	6.3	38.6	—	—	—
3	11.45	4.7	39.4	11.47	5.4	39.3	11.39	7.2	40.0
4	11.37	7.3	37.5	11.36	7.4	37.4	—	—	—
5	13.43	6.3	40.0	12.99	8.6	40.0	—	—	—
Service	8.86	3.0	29.8	8.05	3.5	28.7	13.08	4.3	36.8
1	6.20	3.7	24.1	6.13	4.0	23.7	7.33	6.5	30.8
2	6.84	4.7	28.8	6.51	5.3	28.1	8.96	6.3	33.4
3	8.12	2.4	31.1	7.87	2.5	31.0	10.85	4.4	32.7
4	10.54	5.2	37.3	10.34	6.4	37.4	11.99	8.5	36.7
5	11.38	3.7	36.9	10.88	4.5	36.2	12.44	3.3	38.4
6	12.33	3.0	40.5	11.87	3.4	40.8	13.20	3.6	40.2
7	15.66	2.8	30.5	—	—	—	16.80	3.1	42.7
8	17.23	5.5	40.2	16.56	5.5	38.7	17.61	7.9	41.1
9	18.88	4.3	39.9	—	—	—	18.80	4.3	39.9
10	21.85	8.4	44.0	—	—	—	21.85	8.4	44.0
11	25.98	7.1	40.0	—	—	—	—	—	—
Protective service	13.97	5.9	37.3	8.25	11.1	31.4	16.13	3.4	40.2
2	6.41	10.6	28.5	5.85	5.1	28.0	11.51	7.8	34.6
3	9.20	3.3	29.7	8.94	3.5	32.5	10.01	6.4	23.3
4	11.88	9.9	37.8	10.45	7.5	40.0	13.61	9.3	35.5
5	11.69	2.0	40.6	—	—	—	11.67	1.9	40.9
6	13.09	3.4	40.3	—	—	—	13.23	3.8	40.3
7	16.86	3.3	42.8	—	—	—	16.91	3.3	42.9
8	17.70	8.0	40.6	—	—	—	17.72	8.3	41.1
9	18.85	4.3	39.9	—	—	—	18.80	4.3	39.9

See footnotes at end of table.

TABLE 6. Occupations¹ and levels,² West North Central: Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1999—Continued

Occupations and level	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
Service—Continued									
Protective service—Continued									
10	\$21.71	8.9	44.2	—	—	—	\$21.71	8.9	44.2
11	25.98	7.1	40.0	—	—	—	—	—	—
Supervisors, firefighters and fire prevention	17.32	10.6	50.7	—	—	—	17.35	11.6	52.1
Supervisors, police and detectives	23.74	3.0	40.0	—	—	—	23.74	3.0	40.0
9	22.56	2.4	40.0	—	—	—	22.56	2.4	40.0
10	24.37	5.1	40.0	—	—	—	24.37	5.1	40.0
Supervisors, guards	17.34	9.8	40.0	—	—	—	—	—	—
Firefighting	13.81	3.3	46.4	—	—	—	13.81	3.3	46.4
7	14.38	3.7	52.0	—	—	—	14.38	3.7	52.0
Police and detectives, public service	17.56	4.1	39.9	—	—	—	17.49	4.1	39.9
6	14.69	5.9	40.2	—	—	—	14.69	5.9	40.2
7	18.28	2.7	39.6	—	—	—	18.28	2.7	39.6
8	17.80	12.4	40.0	—	—	—	17.80	12.4	40.0
9	17.78	3.6	39.9	—	—	—	17.78	3.6	39.9
Sheriffs, bailiffs, and other law enforcement officers	16.22	3.6	38.0	—	—	—	16.22	3.6	38.0
7	16.53	3.6	40.0	—	—	—	16.53	3.6	40.0
Correctional institution officers	13.51	6.0	39.3	—	—	—	13.51	6.0	39.3
5	11.35	1.9	40.0	—	—	—	11.35	1.9	40.0
6	13.12	4.9	37.3	—	—	—	13.12	4.9	37.3
Guards and police, except public service	8.15	10.8	31.5	\$7.83	10.8	31.4	13.05	8.6	33.7
2	5.79	5.1	28.4	5.79	5.1	28.4	—	—	—
3	9.25	3.5	32.7	8.95	3.7	31.7	—	—	—
4	10.47	7.6	38.8	—	—	—	—	—	—
5	11.87	4.8	39.5	—	—	—	—	—	—
Protective service, n.e.c.	9.04	8.8	25.0	—	—	—	10.53	12.7	27.6
2	7.07	7.3	22.6	—	—	—	—	—	—
Food service	7.08	2.6	27.0	7.03	2.8	26.9	8.26	4.6	28.2
1	5.72	6.0	22.6	5.63	6.5	22.3	7.20	5.3	28.7
2	5.75	9.1	26.9	5.61	9.7	27.0	8.44	5.3	25.0
3	7.47	4.7	29.5	7.44	4.8	29.4	9.52	5.1	36.6
4	10.31	15.0	36.1	10.31	15.1	36.2	—	—	—
5	10.70	4.0	39.0	10.70	4.2	40.2	10.74	2.6	27.4
7	15.10	5.3	40.9	—	—	—	—	—	—
Waiters, waitresses, and bartenders	4.86	9.5	24.2	4.85	9.5	24.2	—	—	—
1	4.46	16.1	20.4	4.45	16.1	20.4	—	—	—
2	4.36	16.1	29.7	4.35	16.2	29.8	—	—	—
3	6.53	18.9	25.3	6.53	18.9	25.3	—	—	—
4	5.36	23.6	28.8	5.36	23.6	28.8	—	—	—
Bartenders	6.46	8.7	31.3	6.46	8.7	31.3	—	—	—
3	6.05	6.3	32.2	6.05	6.3	32.2	—	—	—
Waiters and waitresses	4.54	12.7	24.3	4.54	12.7	24.3	—	—	—
1	4.22	20.8	21.1	4.21	20.8	21.1	—	—	—
2	4.09	17.0	29.9	4.09	17.0	29.9	—	—	—
3	6.65	27.3	22.5	6.65	27.3	22.5	—	—	—
Waiters/Waitresses' assistants	5.79	7.4	19.1	5.77	7.4	19.2	—	—	—
1	5.31	8.3	17.6	5.31	8.3	17.6	—	—	—
2	6.37	14.5	22.3	6.15	15.5	23.2	—	—	—
Other food service	7.95	2.4	28.2	7.93	2.5	28.2	8.26	4.7	28.3
1	6.29	4.2	23.7	6.21	4.3	23.4	7.19	5.3	28.6
2	7.01	4.2	24.8	6.86	4.1	24.8	8.43	5.4	25.3
3	7.79	3.6	31.2	7.75	3.7	31.1	9.52	5.1	36.6
4	10.60	14.8	36.6	10.61	14.9	36.7	—	—	—
5	10.83	4.0	39.0	10.83	4.1	40.2	10.74	2.6	27.4
7	15.10	5.3	40.9	—	—	—	—	—	—
Supervisors, food preparation and service	10.42	7.6	39.6	10.37	7.9	40.2	11.84	10.6	28.6
4	13.95	12.8	37.4	13.95	12.8	37.4	—	—	—
5	11.00	5.5	35.9	11.07	7.3	43.2	—	—	—
7	15.10	5.3	40.9	—	—	—	—	—	—
Cooks	9.05	3.0	32.0	9.06	3.1	32.0	8.76	3.2	31.5
1	7.19	5.9	31.3	6.88	5.5	34.9	8.83	5.3	20.2

See footnotes at end of table.

TABLE 6. Occupations¹ and levels,² West North Central: Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1999—Continued

Occupations and level	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
Service—Continued									
Food service—Continued									
Other food service—Continued									
Cooks—Continued									
2	\$7.25	6.5	27.3	\$7.24	6.9	26.8	\$7.41	1.7	35.1
3	8.86	2.5	27.5	8.83	2.7	27.0	9.39	5.4	37.0
4	8.65	4.5	36.1	8.64	4.5	36.2	—	—	—
5	10.79	4.5	39.8	10.80	4.5	39.8	—	—	—
Food counter, fountain, and related	7.06	4.9	27.3	7.05	5.0	27.5	—	—	—
1	6.53	5.0	22.8	6.54	5.0	22.9	—	—	—
Kitchen workers, food preparation	7.29	3.9	28.7	7.29	4.4	28.0	7.32	3.8	34.8
1	7.05	2.2	29.1	7.04	2.7	27.6	—	—	—
2	7.20	11.8	29.8	7.17	12.1	30.1	—	—	—
Food preparation, n.e.c.	6.37	4.4	23.3	6.26	4.3	23.1	7.71	7.2	25.7
1	6.11	4.6	22.9	6.04	4.5	22.7	7.12	8.3	26.8
2	6.72	6.2	22.6	6.41	4.9	22.4	8.80	7.5	23.9
3	7.63	5.4	28.8	7.63	5.4	28.8	—	—	—
Health service	9.89	8.3	30.6	9.86	8.9	30.1	10.27	7.3	36.8
1	7.39	5.9	27.6	7.36	5.6	27.2	—	—	—
2	8.28	4.5	31.4	8.31	4.4	30.7	8.05	8.9	38.5
3	8.08	3.7	29.9	8.01	3.7	29.8	9.48	6.3	31.6
4	11.43	6.8	37.7	11.49	6.9	37.6	—	—	—
5	11.17	8.7	38.9	—	—	—	—	—	—
Health aides, except nursing	9.15	4.4	27.9	9.07	4.4	27.6	—	—	—
1	7.54	5.2	25.3	7.54	5.2	25.3	—	—	—
2	10.16	9.3	32.1	10.14	9.6	32.4	—	—	—
3	8.28	4.6	23.9	8.25	4.7	23.7	—	—	—
4	10.04	5.3	34.5	10.04	5.3	34.5	—	—	—
5	9.99	5.0	37.7	—	—	—	—	—	—
Nursing aides, orderlies and attendants	9.18	7.6	32.9	9.06	8.3	32.5	10.28	7.9	36.8
1	7.36	7.0	28.0	7.32	6.7	27.6	—	—	—
2	8.15	4.5	31.4	8.17	4.5	30.6	8.01	8.9	38.8
3	8.05	3.7	31.0	7.98	3.8	30.9	9.51	6.8	31.5
4	11.46	6.8	37.8	11.53	6.8	37.7	—	—	—
Cleaning and building service	8.82	6.4	31.5	8.34	6.3	30.2	11.01	5.4	38.7
1	6.92	3.3	27.7	6.88	3.5	27.1	7.49	10.5	38.7
2	8.86	3.1	32.7	8.49	3.2	30.8	9.66	7.8	37.4
3	10.06	3.6	36.8	9.15	4.1	35.7	11.71	4.0	39.0
4	10.96	4.7	37.5	10.38	4.0	36.8	12.71	7.4	40.0
5	10.97	13.5	36.4	9.42	12.4	35.3	14.57	9.3	39.4
6	12.53	8.6	40.0	12.50	8.7	40.0	—	—	—
Supervisors, cleaning and building service workers	11.43	12.0	37.5	11.09	13.0	37.4	15.47	11.5	38.7
4	10.48	8.4	34.8	—	—	—	—	—	—
6	12.35	8.6	40.0	12.35	8.6	40.0	—	—	—
Maids and housemen	6.81	4.9	29.9	6.81	4.9	29.8	—	—	—
1	6.44	3.2	28.0	6.43	3.3	27.9	—	—	—
2	7.85	4.1	36.7	7.85	4.1	36.7	—	—	—
3	8.13	3.9	39.7	8.13	3.9	39.7	—	—	—
Janitors and cleaners	9.30	4.3	31.5	8.72	4.6	29.4	10.84	5.7	38.7
1	7.31	3.3	27.4	7.28	3.5	26.4	7.53	11.1	38.7
2	9.27	3.9	31.2	8.97	4.1	27.6	9.66	7.8	37.4
3	10.57	4.6	36.1	9.64	6.1	34.1	11.71	4.0	39.0
4	10.99	5.1	37.7	10.39	4.0	37.1	12.88	8.0	40.0
5	13.76	6.5	40.0	12.24	5.4	40.0	—	—	—
Personal service	8.37	3.5	30.4	8.21	4.4	30.6	9.52	9.8	29.2
1	6.19	3.6	20.9	—	—	—	6.98	7.6	20.7
2	6.76	5.0	28.7	6.34	4.6	27.3	7.79	7.4	33.0
3	8.02	3.0	33.9	7.82	2.7	35.5	10.36	12.3	22.3
4	8.67	4.8	38.1	8.39	5.0	38.8	10.28	11.2	34.8
5	14.49	14.9	26.3	14.20	16.2	25.7	—	—	—
6	12.47	14.0	33.8	12.58	14.4	34.1	—	—	—
Supervisors, personal service	13.89	9.2	36.2	13.89	9.2	36.2	—	—	—

See footnotes at end of table.

TABLE 6. Occupations¹ and levels,² West North Central: Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1999–Continued

Occupations and level	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
Service –Continued									
Personal service –Continued									
Attendants, amusement, and recreation facilities									
1	\$7.65	4.0	36.7	\$7.65	4.0	36.7	–	–	–
2	6.92	3.8	21.1	6.93	3.9	20.9	–	–	–
3	5.88	3.6	35.1	5.88	3.6	35.1	–	–	–
Ushers	6.74	6.0	12.1	6.74	6.0	12.1	–	–	–
Welfare service aides	8.04	6.6	28.5	7.29	3.3	29.1	\$11.46	10.8	26.3
2	7.60	1.9	18.1	7.59	1.9	18.1	–	–	–
3	7.43	5.6	32.1	7.21	4.0	34.8	–	–	–
Early childhood teachers' assistants	7.47	5.6	28.2	6.83	5.3	27.8	9.18	12.1	29.3
2	7.71	6.9	33.8	–	–	–	–	–	–
3	9.59	14.2	24.1	7.42	6.8	25.7	10.76	14.6	23.3
4	7.92	4.2	38.8	–	–	–	–	–	–
Child care workers, n.e.c.	8.20	3.5	25.7	7.90	3.9	25.0	9.99	6.5	30.1
1	7.51	4.9	16.2	7.26	4.6	15.9	–	–	–
Service, n.e.c.	8.39	4.7	30.2	8.32	5.1	30.1	–	–	–
1	7.01	6.0	29.3	7.04	6.1	29.5	–	–	–
2	6.44	2.1	22.1	6.44	2.1	22.1	–	–	–
3	7.51	3.6	30.3	7.53	3.8	30.6	–	–	–
4	10.36	5.8	35.3	10.34	6.9	34.9	–	–	–

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

⁵ 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 West North Central, National Compensation Survey,³ 1999

Occupational group	All industries	Private industry	State and local government
All	7,118,200	6,173,800	944,400
All, excluding sales	6,196,700	5,253,100	943,600
White collar	3,618,500	2,961,600	657,000
White collar, excluding sales	2,697,000	2,040,900	656,100
Professional specialty and technical	1,110,000	698,300	411,700
Professional specialty occupations	808,200	432,100	376,200
Technical occupations	301,800	266,300	35,500
Executive, administrative, and managerial	522,200	453,000	69,200
Sales	921,500	920,700	—
Administrative support, including clerical	1,064,900	889,600	175,300
Blue collar	2,136,700	2,039,800	96,800
Precision production, craft, and repair	673,800	636,400	37,300
Machine operators, assemblers, and inspectors	468,600	468,600	—
Transportation and material moving	418,900	378,500	40,400
Handlers, equipment cleaners, helpers, and laborers	575,300	556,300	19,000
Service	1,363,000	1,172,400	190,600

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

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

TABLE B. Number of establishments studied by industry group and establishment employment size, West 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	1,556	571	611	160	114	59	41
Private Industry	1,345	543	522	133	84	34	29
Goods-producing industries	370	112	160	57	15	12	14
Mining	8	7	1	—	—	—	—
Construction	60	38	19	2	1	—	—
Manufacturing	302	67	140	55	14	12	14
Durable goods	182	40	80	33	10	10	9
Nondurable goods	120	27	60	22	4	2	5
Service-producing industries	975	431	362	76	69	22	15
Transportation and utilities	113	43	33	14	13	2	8
Wholesale trade	73	42	20	9	2	—	—
Retail trade	223	127	84	9	3	—	—
Finance, insurance and real estate	112	63	20	8	11	5	5
Services	454	156	205	36	40	15	2
State and local government	211	28	89	27	30	25	12

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

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 West North Central census division, the NCS studied 1,556 establishments representing approximately 7,118,200 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 that do not fit the metropolitan area definition.

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

Clinton County, IA

Des Moines County, IA
Freeborn County, MN
Goodhue County, MN
Griggs County, ND
Iowa City, IA, MSA
Kansas City, MO-KS, MSA
Lewis County, MO
Lincoln, NE, MSA
Logan County, NE
Madison County, NE
Minneapolis-St. Paul, MN-WI, MSA
Seward County, NE
Springfield, MO, MSA
St. Louis, MO-IL, MSA
Tama County, IA
Ward County, ND

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 West North Central region, collection was conducted between December 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 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 locality 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 relative standard error can be used to calculate a "confidence interval" around a sample estimate. As an example, suppose the mean hourly earnings for all workers 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 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.