

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

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## Preface

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

The NCS replaced the Occupational Compensation Survey (OCS) with the release of the 1997 data. The major difference between these two surveys is that the OCS used the same preselected list of occupations for all localities. The NCS uses a probability-based sample of establishments and occupations that is intended to more fully represent the employment patterns and occupational mix of each locality.

This bulletin presents aggregate pay data from the metropolitan and nonmetropolitan local area surveys conducted in the 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](mailto:OCLTINFO@bls.gov).

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

The data presented in this bulletin also are displayed in a Portable Document Format (PDF) on the BLS Internet site (<http://stats.bls.gov/comhome.htm>). Material in the bulletin is in the public domain and, with appropriate credit, may be reproduced without permission. This information will be made available to sensory impaired individuals upon request. Voice phone: (202) 691-5200; Federal Relay Service: 1-800-326-2577.

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TABLE 1. Summary, West North Central: Mean hourly earnings<sup>1</sup> and weekly hours by selected characteristics, private industry and State and local government, National Compensation Survey,<sup>2</sup> 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)	
<b>Total</b> .....	\$14.37	2.8	35.3	\$13.84	3.2	35.1	\$18.11	2.2	36.9
<b>Worker characteristics:<sup>3</sup></b>									
White-collar occupations <sup>4</sup> .....	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 <sup>4</sup> .....	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 <sup>4</sup> .....	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	—	—	—
<b>Establishment characteristics:</b>									
Goods producing .....	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	15.07	4.5	39.7	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
Service producing .....	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	13.36	4.2	33.6	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
1 to 99 workers <sup>6</sup> .....	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
<b>Geographic areas:<sup>7</sup></b>									
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

<sup>1</sup> 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.

<sup>2</sup> 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.

<sup>3</sup> 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.

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

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

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

<sup>7</sup> 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 earnings<sup>1</sup> and weekly hours by selected characteristics, metropolitan and nonmetropolitan areas,<sup>2</sup> National Compensation Survey,<sup>3</sup> 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
<b>Worker characteristics:<sup>4</sup></b>									
White-collar occupations <sup>5</sup> .....	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 <sup>5</sup> .....	12.90	2.4	38.5	13.27	2.2	38.5	11.66	6.7	38.4
Precision production, craft, and repair	15.90	4.0	40.1	16.60	3.2	39.9	13.34	8.1	40.7
Machine operators, assemblers, and inspectors .....	12.44	3.9	39.5	12.88	3.0	39.6	11.69	9.8	39.2
Transportation and material moving ...	12.32	2.8	38.6	12.29	2.9	38.8	12.50	4.3	37.0
Handlers, equipment cleaners, helpers, and laborers .....	9.72	2.4	35.7	9.91	2.3	35.9	9.02	5.3	35.1
Service occupations <sup>5</sup> .....	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
<b>Establishment characteristics:</b>									
Goods producing <sup>6</sup> .....	15.07	4.5	39.7	16.02	5.1	39.5	12.45	7.2	40.1
Service producing <sup>6</sup> .....	13.36	4.2	33.6	13.65	4.6	33.5	11.30	5.5	34.3
1 to 99 workers <sup>7</sup> .....	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	-	-	-
<b>Geographic areas:<sup>8</sup></b>									
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

<sup>1</sup> 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.

<sup>2</sup> 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.

<sup>3</sup> 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.

<sup>4</sup> 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.

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

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

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

<sup>8</sup> 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 earnings<sup>1</sup> and weekly hours for full-time and part-time workers,<sup>2</sup> National Compensation Survey,<sup>3</sup> 1999

Occupation <sup>4</sup>	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (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
<b>White collar</b> .....	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
<b>Professional specialty and technical</b> .....	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 earnings<sup>1</sup> and weekly hours for full-time and part-time workers,<sup>2</sup> National Compensation Survey,<sup>3</sup> 1999—Continued

Occupation <sup>4</sup>	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)	
<b>White collar</b> —Continued									
<b>Professional specialty and technical</b> —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
<b>Executive, administrative, and managerial</b> .....	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	—	—	—
<b>Sales</b> .....	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 earnings<sup>1</sup> and weekly hours for full-time and part-time workers,<sup>2</sup> National Compensation Survey,<sup>3</sup> 1999—Continued

Occupation <sup>4</sup>	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)	
<b>White collar</b> —Continued									
<b>Sales</b> —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	—	—	—	—	—	—
<b>Administrative support, including clerical</b> .....									
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
<b>Blue collar</b> .....	12.90	2.4	38.5	13.22	2.5	40.4	8.12	4.7	22.6
<b>Precision production, craft, and repair</b> .....	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 earnings<sup>1</sup> and weekly hours for full-time and part-time workers,<sup>2</sup> National Compensation Survey,<sup>3</sup> 1999—Continued

Occupation <sup>4</sup>	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)	
<b>Blue collar—Continued</b>									
<b>Precision production, craft, and repair—Continued</b>									
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	—	—	—
<b>Machine operators, assemblers, and inspectors .....</b>	<b>12.44</b>	<b>3.9</b>	<b>39.5</b>	<b>12.56</b>	<b>4.1</b>	<b>39.9</b>	<b>\$7.42</b>	<b>7.8</b>	<b>27.0</b>
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	—	—	—
<b>Transportation and material moving .....</b>	<b>12.32</b>	<b>2.8</b>	<b>38.6</b>	<b>12.55</b>	<b>2.9</b>	<b>42.2</b>	<b>9.87</b>	<b>8.5</b>	<b>20.4</b>
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 earnings<sup>1</sup> and weekly hours for full-time and part-time workers,<sup>2</sup> National Compensation Survey,<sup>3</sup> 1999—Continued

Occupation <sup>4</sup>	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)	
<b>Blue collar—Continued</b>									
<b>Transportation and material moving—Continued</b>									
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	—	—	—
<b>Handlers, equipment cleaners, helpers, and laborers</b>									
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
<b>Service</b>									
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 earnings<sup>1</sup> and weekly hours for full-time and part-time workers,<sup>2</sup> National Compensation Survey,<sup>3</sup> 1999—Continued

Occupation <sup>4</sup>	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)	
<b>Service —Continued</b>									
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

<sup>1</sup> 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.

<sup>2</sup> 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.

<sup>3</sup> 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.

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

<sup>5</sup> 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 earnings<sup>1</sup> for full-time and part-time workers,<sup>2</sup> National Compensation Survey,<sup>3</sup> 1999

Occupation <sup>4</sup>	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (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
<b>White collar</b> .....	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
<b>Professional specialty and technical</b> .....	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	-	-	-
<b>Technical</b> .....	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 earnings<sup>1</sup> for full-time and part-time workers,<sup>2</sup> National Compensation Survey,<sup>3</sup> 1999—Continued

Occupation <sup>4</sup>	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)	
<b>White collar</b> —Continued									
<b>Professional specialty and technical</b> —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	—	—	—
<b>Executive, administrative, and managerial</b> .....	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	—	—	—
<b>Sales</b> .....	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	—	—	—	—	—	—
<b>Administrative support, including clerical</b> .....	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 earnings<sup>1</sup> for full-time and part-time workers,<sup>2</sup> National Compensation Survey,<sup>3</sup> 1999—Continued

Occupation <sup>4</sup>	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)	
<b>White collar</b> —Continued									
<b>Administrative support, including clerical</b> —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
<b>Blue collar</b> .....	12.81	2.4	38.6	13.14	2.5	40.4	7.93	5.0	22.9
<b>Precision production, craft, and repair</b> .....	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 earnings<sup>1</sup> for full-time and part-time workers,<sup>2</sup> National Compensation Survey,<sup>3</sup> 1999—Continued

Occupation <sup>4</sup>	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)	
<b>Blue collar—Continued</b>									
<b>Precision production, craft, and repair—Continued</b>									
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	—	—	—
<b>Machine operators, assemblers, and inspectors</b> .....	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	—	—	—
<b>Transportation and material moving</b> .....	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	—	—	—
<b>Handlers, equipment cleaners, helpers, and laborers</b> .....	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
<b>Service</b> .....	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 earnings<sup>1</sup> for full-time and part-time workers,<sup>2</sup> National Compensation Survey,<sup>3</sup> 1999—Continued

Occupation <sup>4</sup>	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)	
<b>Service—Continued</b>									
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

<sup>1</sup> 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.

<sup>2</sup> 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.

<sup>3</sup> 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.

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

<sup>5</sup> 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 earnings<sup>1</sup> and weekly hours for full-time and part-time workers,<sup>2</sup> National Compensation Survey,<sup>3</sup> 1999

Occupation <sup>4</sup>	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)	
<b>All</b> .....	\$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
<b>White collar</b> .....	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
<b>Professional specialty and technical</b> .....	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	—	—	—
<b>Executive, administrative, and managerial</b> .....	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 earnings<sup>1</sup> and weekly hours for full-time and part-time workers,<sup>2</sup> National Compensation Survey,<sup>3</sup> 1999—Continued

Occupation <sup>4</sup>	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)	
<b>White collar</b> —Continued									
<b>Sales</b> .....	—	—	—	—	—	—	—	—	—
<b>Administrative support, including clerical</b> .....	\$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	—	—	—
<b>Blue collar</b> .....	14.83	1.5	36.6	15.16	1.4	39.9	11.26	7.1	19.6
<b>Precision production, craft, and repair</b> .....	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	—	—	—
<b>Machine operators, assemblers, and inspectors</b> .....	—	—	—	—	—	—	—	—	—
<b>Transportation and material moving</b> .....	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	—	—	—
<b>Handlers, equipment cleaners, helpers, and laborers</b> .....	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	—	—	—
<b>Service</b> .....	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 earnings<sup>1</sup> and weekly hours for full-time and part-time workers,<sup>2</sup> National Compensation Survey,<sup>3</sup> 1999–Continued

Occupation <sup>4</sup>	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)	
<b>Service –Continued</b>									
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	–	–	–	–	–	–

<sup>1</sup> 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.

<sup>2</sup> 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.

<sup>3</sup> 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.

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

<sup>5</sup> 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. Occupations<sup>1</sup> and levels,<sup>2</sup> West North Central: Mean hourly earnings<sup>3</sup> and weekly hours, private industry and State and local government, National Compensation Survey,<sup>4</sup> 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 <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (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
<b>White collar</b> .....	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
<b>White collar, excluding sales</b> .....	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
<b>Professional specialty and technical</b> .....	21.51	1.9	35.9	20.46	2.5	35.5	23.57	2.6	36.7
<b>Professional specialty</b> .....	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
<b>Engineers, architects, and surveyors</b> .....	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	-	-	-
<b>Civil engineers</b> .....	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	-	-	-
<b>Electrical and electronic engineers</b> .....	27.46	2.5	40.9	27.20	2.6	40.9	-	-	-

See footnotes at end of table.

TABLE 6. Occupations<sup>1</sup> and levels,<sup>2</sup> West North Central: Mean hourly earnings<sup>3</sup> and weekly hours, private industry and State and local government, National Compensation Survey,<sup>4</sup> 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 <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)	
<b>White collar</b> —Continued									
<b>Professional specialty and technical</b> —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. Occupations<sup>1</sup> and levels,<sup>2</sup> West North Central: Mean hourly earnings<sup>3</sup> and weekly hours, private industry and State and local government, National Compensation Survey,<sup>4</sup> 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 <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)	
<b>White collar—Continued</b>									
<b>Professional specialty and technical—Continued</b>									
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. Occupations<sup>1</sup> and levels,<sup>2</sup> West North Central: Mean hourly earnings<sup>3</sup> and weekly hours, private industry and State and local government, National Compensation Survey,<sup>4</sup> 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 <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)	
<b>White collar—Continued</b>									
<b>Professional specialty and technical—Continued</b>									
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. Occupations<sup>1</sup> and levels,<sup>2</sup> West North Central: Mean hourly earnings<sup>3</sup> and weekly hours, private industry and State and local government, National Compensation Survey,<sup>4</sup> 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 <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)	
<b>White collar—Continued</b>									
<b>Professional specialty and technical—Continued</b>									
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
11 .....	33.10	8.6	33.2	33.17	8.6	33.2	—	—	—
Clinical laboratory technologists and technicians .....									
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
7 .....	13.45	5.5	34.8	—	—	—	—	—	—
Health technologists and technicians, n.e.c. ....	11.77	5.3	34.6	11.66	5.5	34.7	13.55	6.0	32.6
4 .....	9.94	4.9	30.9	9.85	4.9	31.5	—	—	—
5 .....	12.93	3.4	35.0	12.90	3.5	34.9	—	—	—
6 .....	13.90	8.7	38.2	12.55	11.5	38.3	—	—	—
7 .....	14.00	6.0	37.4	13.95	6.3	37.1	—	—	—
Electrical and electronic technicians .....	18.27	6.0	40.0	18.27	6.2	40.2	—	—	—
6 .....	18.61	7.5	39.1	—	—	—	—	—	—
7 .....	17.69	8.6	42.2	17.69	8.6	42.2	—	—	—
8 .....	17.70	9.3	39.0	17.71	9.6	40.4	—	—	—
Engineering technicians, n.e.c. ....	18.60	3.1	39.8	19.50	2.6	39.6	17.26	5.1	40.0
7 .....	18.85	4.3	40.0	19.42	2.9	40.0	—	—	—

See footnotes at end of table.



TABLE 6. Occupations<sup>1</sup> and levels,<sup>2</sup> West North Central: Mean hourly earnings<sup>3</sup> and weekly hours, private industry and State and local government, National Compensation Survey,<sup>4</sup> 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 <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)	
<b>White collar—Continued</b>									
<b>Professional specialty and technical—Continued</b>									
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	—	—	—
<b>Executive, administrative, and managerial .....</b>	<b>26.01</b>	<b>10.7</b>	<b>41.4</b>	<b>26.39</b>	<b>12.0</b>	<b>41.6</b>	<b>23.41</b>	<b>4.3</b>	<b>39.6</b>
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. Occupations<sup>1</sup> and levels,<sup>2</sup> West North Central: Mean hourly earnings<sup>3</sup> and weekly hours, private industry and State and local government, National Compensation Survey,<sup>4</sup> 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 <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)	
<b>White collar—Continued</b>									
<b>Executive, administrative, and managerial—Continued</b>									
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. Occupations<sup>1</sup> and levels,<sup>2</sup> West North Central: Mean hourly earnings<sup>3</sup> and weekly hours, private industry and State and local government, National Compensation Survey,<sup>4</sup> 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 <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)	
<b>White collar—Continued</b>									
<b>Executive, administrative, and managerial—Continued</b>									
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	—	—	—
<b>Sales</b>									
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. Occupations<sup>1</sup> and levels,<sup>2</sup> West North Central: Mean hourly earnings<sup>3</sup> and weekly hours, private industry and State and local government, National Compensation Survey,<sup>4</sup> 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 <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)	
<b>White collar—Continued</b>									
<b>Sales—Continued</b>									
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	—	—	—
<b>Administrative support, including clerical .....</b>	<b>11.03</b>	<b>2.1</b>	<b>36.4</b>	<b>10.95</b>	<b>2.4</b>	<b>36.4</b>	<b>\$11.42</b>	<b>2.3</b>	<b>36.4</b>
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. Occupations<sup>1</sup> and levels,<sup>2</sup> West North Central: Mean hourly earnings<sup>3</sup> and weekly hours, private industry and State and local government, National Compensation Survey,<sup>4</sup> 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 <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)	
<b>White collar—Continued</b>									
<b>Administrative support, including clerical—Continued</b>									
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. Occupations<sup>1</sup> and levels,<sup>2</sup> West North Central: Mean hourly earnings<sup>3</sup> and weekly hours, private industry and State and local government, National Compensation Survey,<sup>4</sup> 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 <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)	
<b>White collar</b> —Continued									
<b>Administrative support, including clerical</b>									
—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	—	—	—
<b>Blue collar</b> .....	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	—	—	—
<b>Precision production, craft, and repair</b> .....	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. Occupations<sup>1</sup> and levels,<sup>2</sup> West North Central: Mean hourly earnings<sup>3</sup> and weekly hours, private industry and State and local government, National Compensation Survey,<sup>4</sup> 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 <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)	
<b>Blue collar—Continued</b>									
<b>Precision production, craft, and repair—Continued</b>									
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. Occupations<sup>1</sup> and levels,<sup>2</sup> West North Central: Mean hourly earnings<sup>3</sup> and weekly hours, private industry and State and local government, National Compensation Survey,<sup>4</sup> 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 <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)	
<b>Blue collar—Continued</b>									
<b>Precision production, craft, and repair—Continued</b>									
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	—	—	—
<b>Machine operators, assemblers, and inspectors .....</b>									
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. Occupations<sup>1</sup> and levels,<sup>2</sup> West North Central: Mean hourly earnings<sup>3</sup> and weekly hours, private industry and State and local government, National Compensation Survey,<sup>4</sup> 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 <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)	
<b>Blue collar—Continued</b>									
<b>Machine operators, assemblers, and inspectors—Continued</b>									
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	—	—	—
<b>Transportation and material moving .....</b>	<b>12.32</b>	<b>2.8</b>	<b>38.6</b>	<b>12.19</b>	<b>3.2</b>	<b>39.1</b>	<b>\$13.75</b>	<b>3.4</b>	<b>33.4</b>
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	—	—	—
<b>Handlers, equipment cleaners, helpers, and laborers .....</b>									
1 .....	9.72	2.4	35.7	9.61	2.4	35.7	12.76	5.6	36.3
2 .....	8.02	3.8	32.3	8.04	3.8	32.4	5.87	9.9	23.0
3 .....	8.75	5.2	35.5	8.75	5.2	35.6	—	—	—
4 .....	10.62	3.4	38.9	10.57	3.4	38.9	12.04	6.3	40.0
5 .....	11.30	5.1	38.6	11.30	5.2	38.6	11.32	4.5	38.8
6 .....	14.01	3.1	39.2	13.96	2.3	39.0	14.18	10.0	40.0
Groundskeepers and gardeners, except farm ...	14.45	6.8	38.9	14.52	8.3	38.7	14.05	6.3	40.0
1 .....	10.99	7.7	31.5	8.32	9.2	27.3	14.12	6.2	38.4
3 .....	6.19	4.0	22.7	—	—	—	—	—	—
Supervisors, handlers, equipment cleaners, and laborers, n.e.c. ....	11.80	3.8	33.7	10.82	4.7	30.8	—	—	—
6 .....	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. Occupations<sup>1</sup> and levels,<sup>2</sup> West North Central: Mean hourly earnings<sup>3</sup> and weekly hours, private industry and State and local government, National Compensation Survey,<sup>4</sup> 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 <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)	
<b>Blue collar—Continued</b>									
<b>Handlers, equipment cleaners, helpers, and laborers—Continued</b>									
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	—	—	—
<b>Service .....</b>	<b>8.86</b>	<b>3.0</b>	<b>29.8</b>	<b>8.05</b>	<b>3.5</b>	<b>28.7</b>	<b>13.08</b>	<b>4.3</b>	<b>36.8</b>
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. Occupations<sup>1</sup> and levels,<sup>2</sup> West North Central: Mean hourly earnings<sup>3</sup> and weekly hours, private industry and State and local government, National Compensation Survey,<sup>4</sup> 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 <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)	
<b>Service—Continued</b>									
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. Occupations<sup>1</sup> and levels,<sup>2</sup> West North Central: Mean hourly earnings<sup>3</sup> and weekly hours, private industry and State and local government, National Compensation Survey,<sup>4</sup> 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 <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)	
<b>Service—Continued</b>									
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. Occupations<sup>1</sup> and levels,<sup>2</sup> West North Central: Mean hourly earnings<sup>3</sup> and weekly hours, private industry and State and local government, National Compensation Survey,<sup>4</sup> 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 <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)		Mean	Relative error <sup>5</sup> (percent)	
<b>Service –Continued</b>									
<b>Personal service –Continued</b>									
<b>Attendants, amusement, and recreation facilities</b> .....	\$7.65	4.0	36.7	\$7.65	4.0	36.7	–	–	–
1 .....	6.92	3.8	21.1	6.93	3.9	20.9	–	–	–
2 .....	5.88	3.6	35.1	5.88	3.6	35.1	–	–	–
<b>Ushers</b> .....	6.74	6.0	12.1	6.74	6.0	12.1	–	–	–
<b>Welfare service aides</b> .....	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	–	–	–
<b>Early childhood teachers' assistants</b> .....	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	–	–	–	–	–	–
<b>Child care workers, n.e.c.</b> .....	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	–	–	–
<b>Service, n.e.c.</b> .....	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	–	–	–

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

<sup>2</sup> 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.

<sup>3</sup> 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.

<sup>4</sup> 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.

<sup>5</sup> 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 workers<sup>1</sup> represented by the survey, by occupational group,<sup>2</sup> West North Central, National Compensation Survey,<sup>3</sup> 1999

Occupational group	All industries	Private industry	State and local government
<b>All</b> .....	7,118,200	6,173,800	944,400
All, excluding sales .....	6,196,700	5,253,100	943,600
<b>White collar</b> .....	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
<b>Blue collar</b> .....	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
<b>Service</b> .....	1,363,000	1,172,400	190,600

<sup>1</sup> 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.

<sup>2</sup> A classification system including about 480 individual occupations is used to cover all workers in the civilian economy.

For more information, see Technical Note.

<sup>3</sup> 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,<sup>1</sup> 1999

Industry division	Number of establishments studied						
	Total	1 to 99 workers <sup>2</sup>	100 to 499 workers	500 to 999 workers	1000 to 2,499 workers	2,500 to 4,999 workers	5,000 or more workers
<b>All</b> .....	1,556	571	611	160	114	59	41
<b>Private Industry</b> .....	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
<b>State and local government</b> .....	211	28	89	27	30	25	12

<sup>1</sup> 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.

<sup>2</sup> 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.