

# **Kansas City, MO-KS National Compensation Survey August 1998**

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U.S. Department of Labor  
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# Preface

Data shown in this bulletin were collected as part of the Bureau of Labor Statistics' (BLS) National Compensation Survey (NCS). The survey could not have been conducted without the cooperation of the many private firms and government jurisdictions that provided pay data included in this bulletin. The Bureau thanks these respondents for their cooperation.

Field economists of the Bureau of Labor Statistics collected and reviewed the survey data. The Office of Compensation and Working Conditions, in cooperation with the Office of Field Operations and the Office of Technology and Survey Processing in the BLS National Office, designed the survey, processed the data, and prepared the survey for publication.

For additional information regarding this survey, please contact any BLS regional office at the address and telephone number listed on the inside back cover of this bulletin. You may also write to the Bureau of Labor Statistics at: Division of Compensation Data Analysis and Planning,

2 Massachusetts Avenue, NE, Room 4175, Washington, DC 20212-0001, or call (202) 606-6199, or send e-mail to [ocltinfo@bls.gov](mailto:ocltinfo@bls.gov).

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

Results of earlier surveys of this area are also available from BLS regional offices, the Division of Compensation Data Analysis, or at the BLS Internet site.

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# Introduction

The tables in this bulletin summarize the NCS survey results for the Kansas City, MO-KS metropolitan area. Tabulations provide information on earnings of workers in a variety of occupations and at a wide range of work levels. Also contained in this bulletin are information on the program, a technical note describing survey procedures, and several appendixes with detailed information on occupational classifications and the generic leveling methodology.

## NCS products

The National Compensation Survey of the Bureau of Labor Statistics provides data on the occupational wages and employee benefits for localities, broad geographic regions, and the Nation as a whole. The Employment Cost Index, a quarterly measure of the change in employer costs for wages and benefits, will be derived from the NCS. Another product, Employer Costs for Employee Compensation, measures employers' average hourly costs for total compensation, that is, wages and benefits. Still another NCS product measures the incidence of benefit plans and their provisions. This bulletin is limited to data on occupational wages and salaries.

## About the tables

The tables that follow present data on straight-time occupational earnings. Straight-time earnings include wages and salaries, incentive pay, cost-of-living adjustments, and hazard pay. These earnings exclude premium pay for overtime, vacations, holidays, nonproduction bonuses, and tips. A total of 480 detailed occupations are used to describe all occupations in the civilian nonfarm economy (excluding the Federal Government and private households).

Table A-1 presents straight-time earnings for detailed occupations. Data are not shown for any occupations if they would raise concerns about the confidentiality of the survey respondent or if the data are insufficient to support reliable estimates. The earnings shown include the mean for each occupation, as well as earnings for selected percentiles in each occupation.

Table A-2 compares the type of data and details shown in table A-1 for the private industry and State and local government sector.

Table A-3 compares the type of data and details shown in table A-1 for full-time and part-time workers. The definitions of full-time and part-time workers are those used in the surveyed establishments.

Table A-4 presents the weekly and annual straight-time earnings for full-time employees in specific occupations across all industries. For the weekly and annual earnings, the mean and median earnings and the mean hours are shown. The mean hours reflect hours employees are scheduled to work, excluding overtime hours.

Table B-1 presents mean straight-time hourly earnings for groups of occupations and for levels of job requirements related to occupations in the group. Separate data are also shown for private industry and government workers, and for full-time and part-time workers in all industries. (See appendix C, Generic Leveling Criteria, for more information on job ranking in this survey. Average work levels for published occupation groups and their component occupations are presented in appendix table 3.)

Table B-2 also presents mean straight-time hourly earnings, but for detailed occupations at several levels of job requirements for each detailed occupation.

Table C-1 presents mean straight-time hourly earnings for occupation groups and selected occupation characteristics. The occupation characteristics include full-time and part-time status, union and nonunion status, and time or incentive pay status. Union workers' wages are determined through collective bargaining. Time workers' wages are based solely on hourly rate or salary. Incentive workers' wages are at least partially based on productivity payments such as piece rates, commissions and production bonuses.

Table C-2 presents mean straight-time hourly earnings for occupation groups and industry division of employers; these are limited to the private sector.

Table C-3 presents mean straight-time hourly earnings for occupation groups and the employment size of employers; these are also limited to the private sector.

Table C-4 presents the employment scope of this survey. The occupation employment estimates shown relate to all employers in the area surveyed, not just the surveyed employers.

**Table A-1. Hourly earnings<sup>1</sup> for selected occupations, all workers<sup>2</sup>, all industries, Kansas City, MO-KS, August 1998**

Occupation <sup>3</sup>	All industries					
	Mean	Percentiles				
		10	25	Median 50	75	90
<b>All occupations</b> .....	\$15.74	\$7.00	\$9.20	\$13.31	\$19.63	\$26.51
All occupations excluding sales .....	16.08	7.29	9.58	13.65	19.91	26.92
<b>White-collar occupations</b> .....	18.19	8.00	10.36	15.06	22.22	30.93
White-collar occupations excluding sales .....	19.17	8.93	11.32	16.00	23.39	31.57
Professional specialty and technical occupations .....	22.17	12.34	15.72	20.19	26.48	33.71
Professional specialty occupations .....	23.76	13.48	17.13	21.63	28.28	34.28
Engineers, architects, and surveyors .....	26.78	19.02	21.63	25.04	31.48	36.87
Civil engineers .....	30.15	18.52	22.61	26.83	38.23	43.53
Electrical and electronic engineers .....	27.12	21.63	23.85	25.48	30.92	34.90
Mechanical engineers .....	23.37	18.49	20.20	22.95	26.08	28.50
Engineers, N.E.C. ....	26.01	18.99	21.16	23.74	30.56	35.23
Mathematical and computer scientists .....	26.00	18.40	19.84	24.57	32.33	34.00
Computer systems analysts and scientists .....	26.80	18.97	19.97	25.96	33.43	34.40
Operations and systems researchers and analysts .....	19.06	14.62	16.19	20.24	21.25	22.81
Natural scientists .....	19.16	11.20	13.46	16.80	22.23	34.52
Health related occupations .....	21.83	13.59	16.44	18.89	22.76	27.52
Physicians .....	29.55	9.88	10.52	14.47	49.49	70.09
Registered nurses .....	19.43	15.35	16.83	19.17	21.45	23.50
Pharmacists .....	27.16	25.67	26.48	27.52	28.15	28.55
Teachers, college and university .....	30.68	19.23	20.90	28.52	35.84	43.21
Medical science teachers .....	32.24	19.44	20.84	27.24	38.70	52.30
Teachers, except college and university .....	24.55	16.10	19.39	24.01	29.15	34.01
Elementary school teachers .....	26.64	18.96	21.89	27.30	30.22	35.40
Secondary school teachers .....	25.93	18.38	21.01	24.44	31.05	36.93
Teachers, special education .....	24.96	17.06	21.65	23.49	29.15	32.57
Teachers, N.E.C. ....	22.75	16.00	17.53	22.08	27.56	32.83
Vocational and educational counselors .....	22.37	12.09	13.34	19.39	32.29	36.15
Librarians, archivists, and curators .....	24.98	16.77	16.92	21.18	34.17	37.54
Librarians .....	24.98	16.77	16.92	21.18	34.17	37.54
Social scientists and urban planners .....	18.70	11.61	13.57	16.33	24.38	29.81
Psychologists .....	20.61	11.06	13.74	18.87	27.60	29.81
Social, recreation, and religious workers .....	14.61	11.39	12.45	13.83	16.44	19.69
Social workers .....	14.87	11.87	12.45	13.89	16.59	20.44
Lawyers and judges .....	-	-	-	-	-	-
Writers, authors, entertainers, athletes, and professionals, N.E.C. ....	22.07	10.46	13.78	16.00	25.58	32.88
Designers .....	18.96	12.99	14.50	16.00	24.67	30.18
Professional occupations, N.E.C. ....	28.41	19.01	23.94	28.65	33.08	37.50
Technical occupations .....	16.93	10.08	13.00	15.81	19.97	25.77
Clinical laboratory technologists and technicians .....	15.95	9.04	13.52	16.53	19.29	19.76
Radiological technicians .....	15.99	13.15	14.26	15.59	17.12	19.41
Licensed practical nurses .....	12.75	9.92	12.09	13.13	13.98	15.03
Health technologists and technicians, N.E.C. ....	12.14	8.50	9.58	11.90	13.79	19.19
Electrical and electronic technicians .....	18.48	15.00	15.79	17.95	21.18	25.11
Drafters .....	14.67	10.50	12.33	13.24	18.00	19.47
Computer programmers .....	22.62	14.72	18.10	22.47	28.00	28.52
Technical and related occupations, N.E.C. ....	15.59	10.08	10.08	14.56	19.95	23.91
Executive, administrative, and managerial occupations ...	27.21	12.88	15.70	22.69	30.75	38.47
Executives, administrators, and managers .....	32.30	14.85	19.55	26.74	33.85	41.99
Financial managers .....	25.24	13.44	17.78	26.39	31.16	32.89
Personnel and labor relations managers .....	24.22	19.23	19.23	21.68	25.00	42.31
Managers, marketing, advertising and public relations .....	29.15	18.21	18.46	32.70	37.19	43.07
Administrators, education and related fields .....	29.91	16.77	25.64	28.37	34.50	39.04
Managers, medicine and health .....	23.02	12.27	17.18	25.78	27.72	29.63
Managers, food servicing and lodging establishments .....	25.22	13.22	15.87	27.88	31.30	38.47
Managers, service organizations, N.E.C. ....	19.62	12.56	15.00	19.23	24.51	25.85
Managers and administrators, N.E.C. ....	31.15	17.74	24.04	29.21	36.19	43.22
Management related occupations .....	17.30	11.03	12.86	15.50	19.52	25.94
Accountants and auditors .....	19.46	14.42	14.42	16.00	24.16	31.39
Other financial officers .....	18.73	10.00	10.51	12.04	23.30	40.87
Management analysts .....	17.89	16.29	16.32	17.55	18.33	19.80

See footnotes at end of table.

**Table A-1. Hourly earnings<sup>1</sup> for selected occupations, all workers<sup>2</sup>, all industries, Kansas City, MO-KS, August 1998 — Continued**

Occupation <sup>3</sup>	All industries					
	Mean	Percentiles				
		10	25	Median 50	75	90
<b>White-collar occupations</b> (-Continued)						
Executive, administrative, and managerial occupations (-Continued)						
Management related occupations (-Continued)						
Personnel, training, and labor relations specialists .....	\$19.84	\$15.38	\$15.90	\$19.12	\$21.49	\$28.14
Management related occupations, N.E.C. ....	15.64	11.00	12.00	14.30	18.00	21.66
Sales occupations .....	11.58	6.00	6.69	8.82	14.89	20.84
Supervisors, sales occupations .....	15.02	9.00	11.20	13.61	18.82	21.66
Advertising and related sales occupations .....	18.25	13.89	15.62	17.50	22.22	22.22
Sales occupations, other business services .....	16.27	9.13	11.54	15.00	20.00	25.19
Sales representatives, mining, manufacturing, and wholesale .....	18.87	5.50	6.05	17.53	33.00	33.00
Sales workers, other commodities .....	8.55	5.50	6.25	7.90	9.71	12.54
Sales counter clerks .....	7.15	6.00	6.25	6.50	7.54	9.69
Cashiers .....	7.08	5.54	6.00	7.00	7.90	9.00
Administrative support occupations, including clerical .....	11.38	7.72	8.86	10.75	13.30	15.65
Supervisors, general office .....	15.89	10.40	13.86	14.18	18.66	20.74
Supervisors, financial records processing .....	15.53	12.48	13.49	15.00	17.17	19.73
Supervisors, distribution, scheduling, and adjusting clerks .....	19.81	13.65	13.65	19.69	20.41	30.05
Computer operators .....	12.63	9.62	10.82	13.51	13.98	14.34
Secretaries .....	11.58	8.50	9.74	11.07	12.75	15.48
Typists .....	8.91	7.12	7.82	8.00	8.93	12.49
Hotel clerks .....	7.57	6.50	7.15	7.41	7.97	8.69
Receptionists .....	9.67	7.76	8.50	9.23	11.25	11.43
Information clerks, N.E.C. ....	10.43	7.93	8.89	9.61	11.44	14.11
Order clerks .....	11.87	8.31	9.62	11.96	13.19	15.95
Personnel clerks except payroll and timekeeping .....	11.92	10.75	10.86	11.97	12.44	15.06
Library clerks .....	8.29	6.25	7.10	8.32	8.95	10.54
Records clerks, N.E.C. ....	11.19	8.00	8.80	10.07	15.05	15.42
Bookkeepers, accounting and auditing clerks .....	11.20	8.28	9.10	10.47	12.89	14.50
Billing clerks .....	12.99	9.81	9.96	11.88	17.15	18.14
Telephone operators .....	11.99	7.31	7.63	10.30	16.80	16.80
Traffic, shipping and receiving clerks .....	10.44	7.50	8.17	10.34	12.72	14.73
Stock and inventory clerks .....	12.93	8.25	9.92	14.73	14.78	14.78
Insurance adjusters, examiners, and investigators .....	13.73	10.34	11.46	13.20	15.97	18.01
Investigators and adjusters except insurance .....	10.40	6.50	7.25	9.11	10.84	16.97
General office clerks .....	10.76	7.25	8.42	10.60	12.88	13.93
Bank tellers .....	8.75	7.26	7.78	8.76	9.62	10.09
Data entry keyers .....	10.29	8.00	8.50	9.35	10.55	13.16
Statistical clerks .....	13.31	11.10	11.50	12.10	15.94	16.90
Teachers' aides .....	8.52	7.31	7.68	8.40	9.15	9.55
Administrative support occupations, N.E.C. ....	12.53	8.32	10.19	12.90	13.99	16.49
<b>Blue-collar occupations</b> .....	13.95	7.33	10.00	13.00	18.33	21.33
Precision production, craft, and repair occupations .....	17.41	11.00	14.22	17.50	20.01	23.27
Supervisors, mechanics and repairers .....	18.03	12.84	17.31	18.33	19.69	19.69
Automobile mechanics .....	20.58	13.68	15.77	19.90	23.75	29.60
Bus, truck, and stationary engine mechanics .....	11.52	9.00	9.00	10.65	13.94	16.50
Industrial machinery repairers .....	15.44	11.83	14.10	15.56	16.81	19.59
Mechanics and repairers, N.E.C. ....	18.36	13.38	16.47	18.26	21.60	21.67
Electricians .....	19.40	12.61	13.80	20.12	24.39	24.46
Plumbers, pipefitters and steamfitters .....	22.84	11.00	24.14	24.83	26.60	27.83
Supervisors, production occupations .....	20.77	14.22	17.13	22.64	23.00	26.44
Electrical and electronic equipment assemblers .....	11.85	9.64	10.37	10.45	12.38	17.50
Machine operators, assemblers, and inspectors .....	14.47	7.60	10.49	13.23	20.90	21.33
Printing press operators .....	14.77	8.72	10.85	14.15	19.89	23.23
Packaging and filling machine operators .....	11.86	10.17	10.41	11.00	12.65	12.65
Mixing and blending machine operators .....	14.19	12.58	12.58	13.68	15.01	18.48
Miscellaneous machine operators, N.E.C. ....	9.77	5.90	7.38	10.09	11.83	13.31
Assemblers .....	17.80	7.00	14.98	20.90	21.33	21.33
Transportation and material moving occupations .....	13.20	7.42	10.66	12.34	15.58	19.93
Truck drivers .....	12.97	8.50	10.73	12.42	14.47	16.50

See footnotes at end of table.

**Table A-1. Hourly earnings<sup>1</sup> for selected occupations, all workers<sup>2</sup>, all industries, Kansas City, MO-KS, August 1998 — Continued**

Occupation <sup>3</sup>	All industries					
	Mean	Percentiles				
		10	25	Median 50	75	90
<b>Blue-collar occupations (-Continued)</b>						
Transportation and material moving occupations (-Continued)						
Bus drivers .....	\$10.78	\$8.51	\$9.11	\$10.15	\$11.89	\$14.45
Supervisors, material moving equipment .....	18.27	11.85	12.38	13.94	24.95	29.25
Industrial truck and tractor equipment operators ..	13.84	9.85	12.10	13.55	15.49	17.08
Handlers, equipment cleaners, helpers, and laborers .....	10.42	6.37	7.54	9.68	12.65	15.95
Groundskeepers and gardeners except farm .....	10.39	6.23	8.34	11.10	12.65	12.65
Construction laborers .....	16.25	10.92	14.17	17.90	18.86	18.86
Production helpers .....	8.65	6.75	7.00	7.23	8.27	10.05
Stock handlers and baggers .....	10.81	6.49	8.21	11.00	13.23	14.31
Freight, stock, and material handlers, N.E.C. ....	11.92	6.30	9.00	10.28	14.29	20.35
Hand packers and packagers .....	9.23	7.33	7.33	8.39	10.41	11.71
Laborers except construction, N.E.C. ....	8.38	5.56	7.00	7.54	10.07	11.34
<b>Service occupations</b>						
Protective service occupations .....	15.46	8.58	11.35	14.97	18.31	22.58
Supervisors, police and detectives .....	24.38	15.80	19.21	24.00	28.28	36.55
Firefighting occupations .....	14.44	10.56	12.80	15.28	15.50	18.31
Police and detectives, public service .....	17.66	13.08	14.45	16.36	21.30	22.58
Guards and police except public service .....	9.80	7.18	8.12	10.36	11.35	11.80
Food service occupations .....	6.38	2.13	3.50	6.43	8.35	10.54
Supervisors, food preparation and service occupations .....	11.38	8.75	9.00	12.30	12.74	13.63
Waiters and waitresses .....	2.97	2.13	2.13	2.13	4.00	5.25
Cooks .....	8.98	6.47	7.50	9.25	10.54	10.75
Kitchen workers, food preparation .....	7.66	6.00	6.33	6.93	7.79	11.91
Waiters'/Waitresses' assistants .....	5.25	2.13	3.50	5.15	7.50	9.00
Food preparation occupations, N.E.C. ....	6.74	5.83	6.05	6.50	7.43	8.06
Health service occupations .....	8.58	6.92	7.75	8.41	9.56	10.33
Health aides, except nursing .....	8.98	7.33	7.97	8.80	10.08	11.25
Nursing aides, orderlies and attendants .....	8.45	6.74	7.56	8.35	9.39	10.10
Cleaning and building service occupations .....	8.61	6.10	6.48	7.65	9.28	12.74
Supervisors, cleaning and building service workers .....	14.11	9.00	11.00	14.40	15.85	18.27
Maids and housemen .....	7.02	6.31	6.39	6.91	7.50	8.20
Janitors and cleaners .....	8.69	5.99	6.51	8.15	9.60	12.74
Personal service occupations .....	8.15	5.41	6.25	7.32	8.82	11.04
Attendants, amusement and recreation facilities ..	6.09	4.75	4.99	5.74	7.00	8.09
Early childhood teachers' assistants .....	7.42	6.19	6.25	7.30	8.32	9.33
Child care workers, N.E.C. ....	8.30	6.62	7.32	7.47	10.05	10.52
Service occupations, N.E.C. ....	7.25	5.50	6.41	6.99	7.50	9.66

<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, 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. The 10th, 25th, 50th, 75th and 90th percentiles designate position in the earnings distribution. At the 50th percentile, the median, half of the workers receive the same as or more than the rate shown, and half receive the same as or less than the rate shown. At the 25th percentile, one-fourth of the workers earn the same as or less than the rate shown. At the 75th percentile, one-fourth earn the same as or more than the rate shown. The 10th and 90th percentiles follow the same logic.

<sup>2</sup> All workers include full-time and part-time workers. Employees are classified as working either a full-time or a part-time schedule based on the definition used by each establishment. Therefore, a worker with a 35-hour-per-week schedule might be considered a full-time employee in one

establishment, but classified as part-time in another firm, where a 40-hour week is the minimum full-time schedule.

<sup>3</sup> A classification system including about 480 individual occupations is used to cover all workers in the civilian economy. Individual occupations are classified into one of nine major occupational groups.

NOTE: Dashes indicate that no data were reported or that data did not meet publication criteria. Overall occupational groups and occupational levels may include data for categories not shown separately. N.E.C. means "not elsewhere classified."

NOTE: Individual and average wage rates were collected in this update survey. A procedure was put into place to "move" the positional statistics where averages were collected. This procedure compares current locality survey data—at the quote level—with the same quote from the prior survey. Individual rates from the prior survey are moved by the average change in mean wages for the occupation.

**Table A-2. Hourly earnings<sup>1</sup> for selected occupations, all workers<sup>2</sup>, private industry and State and local government, Kansas City, MO-KS, August 1998**

Occupation <sup>3</sup>	Private industry						State and local government					
	Mean	Percentiles					Mean	Percentiles				
		10	25	Median 50	75	90		10	25	Median 50	75	90
<b>All occupations</b> .....	\$15.44	\$6.75	\$9.00	\$12.98	\$19.09	\$25.67	\$17.32	\$8.18	\$10.50	\$15.13	\$22.31	\$29.49
All occupations excluding sales .....	15.82	7.13	9.39	13.32	19.47	25.91	17.32	8.18	10.50	15.13	22.31	29.49
<b>White-collar occupations</b> .....	17.93	7.75	10.08	14.67	21.50	30.45	19.25	8.94	11.79	17.39	25.30	32.20
White-collar occupations excluding sales .....	19.15	8.91	11.16	15.50	22.68	31.39	19.25	8.94	11.79	17.39	25.30	32.20
Professional specialty and technical occupations .....	22.00	12.04	15.39	19.67	25.96	33.58	22.53	13.00	16.33	21.24	28.03	34.01
Professional specialty occupations .....	24.03	13.46	17.04	21.25	27.95	34.52	23.32	13.65	17.22	22.27	28.38	34.17
Engineers, architects, and surveyors .....	26.88	18.99	21.63	25.08	31.49	37.18	-	-	-	-	-	-
Civil engineers .....	30.94	18.52	23.83	28.42	38.60	43.56	-	-	-	-	-	-
Electrical and electronic engineers .....	27.12	21.63	23.85	25.48	30.92	34.90	-	-	-	-	-	-
Mechanical engineers .....	23.37	18.49	20.20	22.95	26.08	28.50	-	-	-	-	-	-
Engineers, N.E.C. ....	26.23	19.15	21.54	24.41	31.14	35.33	-	-	-	-	-	-
Mathematical and computer scientists .....	26.32	18.53	19.73	25.34	32.80	34.40	-	-	-	-	-	-
Computer systems analysts and scientists .....	27.21	18.99	19.97	27.51	33.84	34.62	-	-	-	-	-	-
Operations and systems researchers and analysts .....	19.06	14.62	16.19	20.24	21.25	22.81	-	-	-	-	-	-
Natural scientists .....	23.80	13.46	19.61	21.41	30.12	34.52	-	-	-	-	-	-
Health related occupations .....	22.22	11.14	16.46	19.21	22.87	28.15	20.10	14.84	16.31	18.22	22.08	25.38
Registered nurses .....	19.73	15.72	17.62	19.56	21.62	23.81	18.23	14.71	16.01	17.01	20.20	22.69
Pharmacists .....	27.20	25.67	26.48	27.52	28.15	28.55	-	-	-	-	-	-
Teachers, college and university .....	26.41	20.01	20.60	23.63	28.52	31.22	33.09	18.67	22.28	30.84	40.47	46.21
Teachers, except college and university .....	21.59	15.93	19.39	19.39	22.64	29.79	24.61	16.10	19.75	24.20	29.15	34.01
Elementary school teachers .....	-	-	-	-	-	-	26.65	18.96	21.89	27.30	30.38	35.40
Secondary school teachers .....	-	-	-	-	-	-	25.91	18.30	20.93	24.44	31.05	36.93
Teachers, special education .....	-	-	-	-	-	-	24.96	17.06	21.65	23.49	29.15	32.57
Teachers, N.E.C. ....	-	-	-	-	-	-	22.77	16.00	17.53	22.10	27.62	32.83
Vocational and educational counselors .....	-	-	-	-	-	-	23.81	12.09	12.34	25.53	33.70	38.17
Librarians, archivists, and curators .....	17.28	13.67	16.92	16.92	18.51	21.18	30.01	16.83	24.71	34.17	37.54	37.54
Librarians .....	17.28	13.67	16.92	16.92	18.51	21.18	30.01	16.83	24.71	34.17	37.54	37.54
Social scientists and urban planners .....	-	-	-	-	-	-	-	-	-	-	-	-
Social, recreation, and religious workers .....	13.65	9.67	12.09	13.70	15.39	16.90	15.33	12.09	13.00	13.89	17.41	20.99
Social workers .....	13.88	11.39	12.09	13.54	15.86	17.71	15.48	11.87	12.84	14.45	19.21	20.99
Lawyers and judges .....	-	-	-	-	-	-	-	-	-	-	-	-
Writers, authors, entertainers, athletes, and professionals, N.E.C. ....	21.78	10.82	13.78	16.00	25.28	31.59	-	-	-	-	-	-
Designers .....	19.19	13.78	15.00	16.00	25.28	30.52	-	-	-	-	-	-
Technical occupations .....	17.27	10.08	13.15	16.20	20.84	26.11	14.39	10.85	12.43	14.72	15.87	19.29
Clinical laboratory technologists and technicians .....	14.99	9.00	13.00	15.40	18.73	19.76	-	-	-	-	-	-
Radiological technicians .....	16.08	13.15	14.26	15.98	17.12	19.41	-	-	-	-	-	-
Licensed practical nurses .....	13.07	11.18	12.30	13.22	13.78	14.93	11.27	7.10	7.74	11.40	14.86	15.42
Health technologists and technicians, N.E.C. ....	11.99	8.03	9.40	11.52	13.75	19.19	-	-	-	-	-	-
Electrical and electronic technicians .....	18.48	15.00	15.79	17.95	21.18	25.11	-	-	-	-	-	-
Drafters .....	14.67	10.50	12.33	13.24	18.00	19.47	-	-	-	-	-	-
Computer programmers .....	23.80	17.19	19.91	24.01	28.00	28.72	-	-	-	-	-	-
Technical and related occupations, N.E.C. ....	15.80	10.08	10.08	14.56	20.00	23.91	-	-	-	-	-	-
Executive, administrative, and managerial occupations .....	27.82	12.76	15.94	24.04	31.16	39.39	22.80	13.19	14.36	19.75	28.37	35.05
Executives, administrators, and managers .....	33.23	15.00	20.05	26.83	34.01	42.20	26.08	13.77	18.46	26.74	32.48	36.56
Financial managers .....	25.24	13.44	17.78	26.39	31.16	32.89	-	-	-	-	-	-
Personnel and labor relations managers .....	24.22	19.23	19.23	21.68	25.00	42.31	-	-	-	-	-	-
Managers, marketing, advertising and public relations .....	29.15	18.21	18.46	32.70	37.19	43.07	-	-	-	-	-	-
Administrators, education and related fields .....	-	-	-	-	-	-	30.36	16.77	26.74	28.62	34.65	39.58
Managers, medicine and health .....	23.02	12.27	17.18	25.78	27.72	29.63	-	-	-	-	-	-
Managers, food servicing and lodging establishments .....	25.22	13.22	15.87	27.88	31.30	38.47	-	-	-	-	-	-

See footnotes at end of table.



**Table A-2. Hourly earnings<sup>1</sup> for selected occupations, all workers<sup>2</sup>, private industry and State and local government, Kansas City, MO-KS, August 1998 — Continued**

Occupation <sup>3</sup>	Private industry						State and local government						
	Mean	Percentiles					Mean	Percentiles					
		10	25	Median 50	75	90		10	25	Median 50	75	90	
<b>White-collar occupations</b> (-Continued)													
Executive, administrative, and managerial occupations (-Continued)													
Executives, administrators, and managers (-Continued)													
Managers and administrators, N.E.C.	\$31.30	\$17.74	\$24.28	\$29.26	\$36.19	\$43.22	-	-	-	-	-	-	-
Management related occupations	17.59	11.00	12.76	15.90	20.28	26.93	\$14.72	\$11.54	\$13.20	\$14.24	\$16.44	\$19.75	
Accountants and auditors	19.46	14.42	14.42	16.00	24.16	31.39	-	-	-	-	-	-	-
Other financial officers	18.73	10.00	10.51	12.04	23.30	40.87	-	-	-	-	-	-	-
Management analysts	17.91	16.29	16.32	17.55	18.33	19.80	-	-	-	-	-	-	-
Personnel, training, and labor relations specialists	20.46	15.54	15.90	20.52	24.89	28.26	-	-	-	-	-	-	-
Management related occupations, N.E.C.	15.87	11.00	12.00	14.60	18.00	22.93	-	-	-	-	-	-	-
Sales occupations	11.58	6.00	6.69	8.82	14.89	20.84	-	-	-	-	-	-	-
Supervisors, sales occupations	15.02	9.00	11.20	13.61	18.82	21.66	-	-	-	-	-	-	-
Advertising and related sales occupations	18.25	13.89	15.62	17.50	22.22	22.22	-	-	-	-	-	-	-
Sales occupations, other business services	16.27	9.13	11.54	15.00	20.00	25.19	-	-	-	-	-	-	-
Sales representatives, mining, manufacturing, and wholesale	18.87	5.50	6.05	17.53	33.00	33.00	-	-	-	-	-	-	-
Sales workers, other commodities	8.55	5.50	6.25	7.90	9.71	12.54	-	-	-	-	-	-	-
Sales counter clerks	7.15	6.00	6.25	6.50	7.54	9.69	-	-	-	-	-	-	-
Cashiers	7.08	5.54	6.00	7.00	7.90	9.00	-	-	-	-	-	-	-
Administrative support occupations, including clerical	11.57	7.72	8.99	10.93	13.60	16.00	10.49	7.76	8.39	9.66	11.51	14.02	
Supervisors, general office	16.84	13.86	14.18	16.00	19.04	20.76	-	-	-	-	-	-	-
Supervisors, financial records processing	15.53	12.48	13.49	15.00	17.17	19.73	-	-	-	-	-	-	-
Supervisors, distribution, scheduling, and adjusting clerks	19.81	13.65	13.65	19.69	20.41	30.05	-	-	-	-	-	-	-
Computer operators	12.63	9.62	10.82	13.51	13.98	14.34	-	-	-	-	-	-	-
Secretaries	11.44	8.54	9.74	10.99	12.31	15.10	11.93	8.18	9.54	11.27	13.60	16.48	
Hotel clerks	7.57	6.50	7.15	7.41	7.97	8.69	-	-	-	-	-	-	-
Receptionists	9.95	8.10	8.75	9.51	11.43	11.43	-	-	-	-	-	-	-
Information clerks, N.E.C.	10.59	6.59	8.24	9.61	13.53	16.28	-	-	-	-	-	-	-
Order clerks	11.87	8.31	9.62	11.96	13.19	15.95	-	-	-	-	-	-	-
Personnel clerks except payroll and timekeeping	11.92	10.75	10.86	11.97	12.44	15.06	-	-	-	-	-	-	-
Library clerks	-	-	-	-	-	-	8.20	5.55	7.10	8.05	8.95	10.65	
Records clerks, N.E.C.	11.66	8.00	8.20	11.00	15.42	15.42	10.40	8.20	9.51	9.76	11.16	14.47	
Bookkeepers, accounting and auditing clerks	11.35	8.50	9.39	10.71	13.14	14.50	-	-	-	-	-	-	-
Billing clerks	12.99	9.81	9.96	11.88	17.15	18.14	-	-	-	-	-	-	-
Telephone operators	11.99	7.31	7.63	10.30	16.80	16.80	-	-	-	-	-	-	-
Traffic, shipping and receiving clerks	10.44	7.50	8.17	10.34	12.72	14.73	-	-	-	-	-	-	-
Stock and inventory clerks	12.93	8.25	9.92	14.73	14.78	14.78	-	-	-	-	-	-	-
Insurance adjusters, examiners, and investigators	13.73	10.34	11.46	13.20	15.97	18.01	-	-	-	-	-	-	-
Investigators and adjusters except insurance	10.40	6.50	7.25	9.11	10.84	16.97	-	-	-	-	-	-	-
General office clerks	10.73	7.25	8.25	10.60	12.88	14.07	10.85	8.32	9.02	10.70	12.69	13.93	
Bank tellers	8.75	7.26	7.78	8.76	9.62	10.09	-	-	-	-	-	-	-
Data entry keyers	10.37	7.80	8.50	9.37	11.50	13.67	-	-	-	-	-	-	-
Statistical clerks	13.31	11.10	11.50	12.10	15.94	16.90	-	-	-	-	-	-	-
Teachers' aides	-	-	-	-	-	-	8.52	7.31	7.68	8.40	9.15	9.55	
Administrative support occupations, N.E.C.	12.58	8.32	10.55	12.90	13.99	16.49	-	-	-	-	-	-	-
<b>Blue-collar occupations</b>	13.97	7.33	9.85	13.15	18.46	21.33	13.40	9.10	10.99	12.41	15.64	18.37	
Precision production, craft, and repair occupations	17.59	10.65	14.70	17.89	20.30	24.14	15.36	11.38	12.41	14.65	18.27	19.81	
Supervisors, mechanics and repairers	18.95	16.93	17.31	18.33	19.69	21.25	-	-	-	-	-	-	-
Automobile mechanics	20.58	13.68	15.77	19.90	23.75	29.60	-	-	-	-	-	-	-

See footnotes at end of table.

**Table A-2. Hourly earnings<sup>1</sup> for selected occupations, all workers<sup>2</sup>, private industry and State and local government, Kansas City, MO-KS, August 1998 — Continued**

Occupation <sup>3</sup>	Private industry						State and local government					
	Mean	Percentiles					Mean	Percentiles				
		10	25	Median 50	75	90		10	25	Median 50	75	90
<b>Blue-collar occupations (-Continued)</b>												
Precision production, craft, and repair occupations (-Continued)												
Industrial machinery repairers .....	\$15.44	\$11.83	\$14.10	\$15.56	\$16.81	\$19.59	—	—	—	—	—	—
Mechanics and repairers, N.E.C. ....	18.79	15.16	16.64	18.26	21.60	21.67	—	—	—	—	—	—
Electricians .....	20.99	13.80	19.03	23.59	24.39	24.46	—	—	—	—	—	—
Plumbers, pipefitters and steamfitters ..	22.84	11.00	24.14	24.83	26.60	27.83	—	—	—	—	—	—
Supervisors, production occupations ..	20.77	14.22	17.13	22.64	23.00	26.44	—	—	—	—	—	—
Electrical and electronic equipment assemblers .....	11.85	9.64	10.37	10.45	12.38	17.50	—	—	—	—	—	—
Machine operators, assemblers, and inspectors .....												
Printing press operators .....	14.47	7.60	10.49	13.23	20.90	21.33	—	—	—	—	—	—
Packaging and filling machine operators .....	14.77	8.72	10.85	14.15	19.89	23.23	—	—	—	—	—	—
Mixing and blending machine operators .....	11.86	10.17	10.41	11.00	12.65	12.65	—	—	—	—	—	—
Miscellaneous machine operators, N.E.C. ....	14.19	12.58	12.58	13.68	15.01	18.48	—	—	—	—	—	—
Assemblers .....	9.77	5.90	7.38	10.09	11.83	13.31	—	—	—	—	—	—
Assemblers .....	17.80	7.00	14.98	20.90	21.33	21.33	—	—	—	—	—	—
Transportation and material moving occupations .....												
Truck drivers .....	13.30	7.38	10.66	12.65	15.70	19.93	\$11.86	\$9.10	\$9.95	\$11.79	\$12.38	\$15.43
Bus drivers .....	13.00	8.50	10.73	12.65	14.75	16.50	—	—	—	—	—	—
Supervisors, material moving equipment .....	9.28	8.28	8.51	9.13	9.66	10.65	—	—	—	—	—	—
Industrial truck and tractor equipment operators .....	18.27	11.85	12.38	13.94	24.95	29.25	—	—	—	—	—	—
Operators .....	13.84	9.85	12.10	13.55	15.49	17.08	—	—	—	—	—	—
Handlers, equipment cleaners, helpers, and laborers .....												
Production helpers .....	10.41	6.30	7.54	9.68	12.69	16.17	10.54	8.33	9.10	10.15	11.90	13.77
Stock handlers and baggers .....	8.65	6.75	7.00	7.23	8.27	10.05	—	—	—	—	—	—
Freight, stock, and material handlers, N.E.C. ....	10.81	6.49	8.21	11.00	13.23	14.31	—	—	—	—	—	—
Hand packers and packagers .....	11.92	6.30	9.00	10.28	14.29	20.35	—	—	—	—	—	—
Laborers except construction, N.E.C. ....	9.23	7.33	7.33	8.39	10.41	11.71	—	—	—	—	—	—
Laborers except construction, N.E.C. ....	8.26	5.56	6.48	7.54	9.50	11.34	—	—	—	—	—	—
<b>Service occupations</b> .....												
Protective service occupations .....	7.84	2.75	6.04	7.43	9.39	11.50	12.68	6.88	8.31	11.40	15.50	21.00
Supervisors, police and detectives .....	13.27	7.13	8.25	11.12	15.01	32.60	16.28	10.62	12.42	15.50	19.23	22.58
Firefighting occupations .....	—	—	—	—	—	—	24.38	15.80	19.21	24.00	28.28	36.55
Police and detectives, public service ..	—	—	—	—	—	—	14.44	10.56	12.80	15.28	15.50	18.31
Guards and police except public service .....	—	—	—	—	—	—	17.66	13.08	14.45	16.36	21.30	22.58
Food service occupations .....	9.27	7.00	7.60	8.94	10.94	11.78	—	—	—	—	—	—
Supervisors, food preparation and service occupations .....	6.30	2.13	3.00	6.31	8.50	10.54	7.28	5.98	6.43	6.99	8.06	8.96
Waiters and waitresses .....	11.35	8.75	8.75	12.30	12.74	13.63	—	—	—	—	—	—
Cooks .....	2.94	2.13	2.13	2.13	4.00	5.25	—	—	—	—	—	—
Kitchen workers, food preparation .....	9.10	6.47	7.58	9.50	10.54	10.97	7.44	6.28	6.88	7.28	8.31	8.94
Waiters'/Waitresses' assistants .....	7.68	6.00	6.33	6.93	8.00	11.91	—	—	—	—	—	—
Food preparation occupations, N.E.C. ....	5.25	2.13	3.50	5.15	7.50	9.00	—	—	—	—	—	—
Food preparation occupations, N.E.C. ....	6.57	5.50	6.00	6.45	6.90	7.61	7.31	6.28	6.43	6.94	8.06	8.66

See footnotes at end of table.

**Table A-2. Hourly earnings<sup>1</sup> for selected occupations, all workers<sup>2</sup>, private industry and State and local government, Kansas City, MO-KS, August 1998 — Continued**

Occupation <sup>3</sup>	Private industry						State and local government					
	Mean	Percentiles					Mean	Percentiles				
		10	25	Median 50	75	90		10	25	Median 50	75	90
<b>Service occupations (-Continued)</b>												
Health service occupations .....	\$8.60	\$6.93	\$7.75	\$8.41	\$9.56	\$10.33	\$8.42	\$6.43	\$7.30	\$8.39	\$9.48	\$10.22
Health aides, except nursing .....	9.14	7.44	8.06	9.06	10.15	11.44	-	-	-	-	-	-
Nursing aides, orderlies and attendants .....	8.43	6.77	7.60	8.32	9.39	10.01	8.74	6.43	7.44	8.92	9.70	10.70
Cleaning and building service occupations .....	8.12	5.93	6.39	7.08	8.75	11.61	9.91	7.80	8.15	9.21	10.50	13.80
Maids and housemen .....	7.02	6.25	6.39	6.90	7.50	8.20	-	-	-	-	-	-
Janitors and cleaners .....	8.25	5.72	6.39	7.11	8.89	12.50	9.54	7.80	8.15	9.21	10.47	13.00
Personal service occupations .....	8.32	5.15	6.16	7.51	8.96	13.00	7.45	6.23	6.25	6.99	8.32	9.86
Early childhood teachers' assistants ..	7.74	6.14	6.45	7.64	8.60	9.54	-	-	-	-	-	-
Child care workers, N.E.C. ....	-	-	-	-	-	-	8.23	6.62	7.32	7.47	9.33	10.84
Service occupations, N.E.C. ....	7.31	5.50	6.46	6.75	8.07	9.88	-	-	-	-	-	-

<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, 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. The 10th, 25th, 50th, 75th and 90th percentiles designate position in the earnings distribution. At the 50th percentile, the median, half of the workers receive the same as or more than the rate shown, and half receive the same as or less than the rate shown. At the 25th percentile, one-fourth of the workers earn the same as or less than the rate shown. At the 75th percentile, one-fourth earn the same as or more than the rate shown. The 10th and 90th percentiles follow the same logic.

<sup>2</sup> All workers include full-time and part-time workers. Employees are classified as working either a full-time or a part-time schedule based on the definition used by each establishment. Therefore, a worker with a 35-hour-per-week schedule might be considered a full-time employee in one establishment, but classified as part-time in

another firm, where a 40-hour week is the minimum full-time schedule.

<sup>3</sup> A classification system including about 480 individual occupations is used to cover all workers in the civilian economy. Individual occupations are classified into one of nine major occupational groups.

NOTE: Dashes indicate that no data were reported or that data did not meet publication criteria. Overall occupational groups and occupational levels may include data for categories not shown separately. N.E.C. means "not elsewhere classified."

NOTE: Individual and average wage rates were collected in this update survey. A procedure was put into place to "move" the positional statistics where averages were collected. This procedure compares current locality survey data—at the quote level—with the same quote from the prior survey. Individual rates from the prior survey are moved by the average change in mean wages for the occupation.

**Table A-3. Hourly earnings<sup>1</sup> for selected occupations, full-time and part-time workers<sup>2</sup>, all industries, Kansas City, MO-KS, August 1998**

Occupation <sup>3</sup>	All industries											
	Full-time						Part-time					
	Mean	Percentiles					Mean	Percentiles				
		10	25	Median 50	75	90		10	25	Median 50	75	90
<b>All occupations</b> .....	\$16.49	\$7.62	\$10.00	\$13.98	\$20.30	\$27.43	\$8.06	\$4.99	\$5.80	\$6.77	\$9.00	\$12.80
All occupations excluding sales .....	16.69	7.79	10.17	14.18	20.41	27.70	8.41	2.35	5.79	7.00	9.74	14.01
<b>White-collar occupations</b> .....	18.89	8.64	11.10	15.76	22.97	31.39	9.79	5.63	6.41	8.00	10.53	16.45
White-collar occupations excluding sales .....	19.52	9.09	11.58	16.29	24.04	32.05	12.27	6.50	8.00	9.80	14.00	21.35
Professional specialty and technical occupations .....	22.43	12.69	16.00	20.44	26.81	34.00	16.57	8.75	10.08	14.40	20.58	24.04
Professional specialty occupations .....	24.01	13.78	17.38	21.89	28.38	34.50	18.24	9.67	11.55	16.57	21.50	25.40
Engineers, architects, and surveyors .....	26.78	19.02	21.63	25.04	31.48	36.87	-	-	-	-	-	-
Civil engineers .....	30.15	18.52	22.61	26.83	38.23	43.53	-	-	-	-	-	-
Electrical and electronic engineers .....	27.12	21.63	23.85	25.48	30.92	34.90	-	-	-	-	-	-
Mechanical engineers .....	23.37	18.49	20.20	22.95	26.08	28.50	-	-	-	-	-	-
Engineers, N.E.C. ....	26.01	18.99	21.16	23.74	30.56	35.23	-	-	-	-	-	-
Mathematical and computer scientists .....	26.00	18.40	19.84	24.57	32.33	34.00	-	-	-	-	-	-
Computer systems analysts and scientists .....	26.80	18.97	19.97	25.96	33.43	34.40	-	-	-	-	-	-
Operations and systems researchers and analysts .....	19.06	14.62	16.19	20.24	21.25	22.81	-	-	-	-	-	-
Natural scientists .....	19.16	11.20	13.46	16.80	22.23	34.52	-	-	-	-	-	-
Health related occupations .....	21.74	11.46	16.44	18.89	22.62	27.52	22.52	14.37	17.59	21.16	23.12	28.55
Physicians .....	28.46	9.88	10.52	14.47	46.80	72.55	-	-	-	-	-	-
Registered nurses .....	19.38	15.60	16.80	18.89	21.08	23.35	19.71	14.11	16.91	20.30	22.21	24.32
Pharmacists .....	26.95	25.67	26.48	26.68	27.93	28.15	-	-	-	-	-	-
Teachers, college and university .....	30.78	19.44	21.06	28.52	36.34	43.23	-	-	-	-	-	-
Medical science teachers .....	32.27	19.44	20.84	27.24	38.70	52.30	-	-	-	-	-	-
Teachers, except college and university .....	25.12	17.09	20.08	24.57	29.41	34.01	11.55	9.67	9.67	10.00	12.91	14.04
Elementary school teachers .....	26.64	18.96	21.89	27.30	30.22	35.40	-	-	-	-	-	-
Secondary school teachers .....	25.93	18.38	21.01	24.44	31.05	36.93	-	-	-	-	-	-
Teachers, special education .....	24.96	17.06	21.65	23.49	29.15	32.57	-	-	-	-	-	-
Teachers, N.E.C. ....	23.47	16.00	18.18	22.85	28.10	33.09	12.10	10.00	10.00	12.91	12.91	14.04
Vocational and educational counselors .....	22.37	12.09	13.34	19.39	32.29	36.15	-	-	-	-	-	-
Librarians, archivists, and curators .....	25.49	16.92	16.92	22.13	34.17	37.54	-	-	-	-	-	-
Librarians .....	25.49	16.92	16.92	22.13	34.17	37.54	-	-	-	-	-	-
Social scientists and urban planners .....	18.70	11.61	13.57	16.33	24.38	29.81	-	-	-	-	-	-
Psychologists .....	20.61	11.06	13.74	18.87	27.60	29.81	-	-	-	-	-	-
Social, recreation, and religious workers .....	14.54	11.39	12.39	13.66	15.80	19.89	-	-	-	-	-	-
Social workers .....	14.82	11.87	12.45	13.83	16.90	20.44	-	-	-	-	-	-
Lawyers and judges .....	-	-	-	-	-	-	-	-	-	-	-	-
Writers, authors, entertainers, athletes, and professionals, N.E.C. ....	22.53	11.53	14.18	16.45	25.99	33.08	11.13	6.25	6.25	7.38	10.66	14.71
Designers .....	19.09	13.45	14.50	16.00	25.26	30.24	-	-	-	-	-	-
Professional occupations, N.E.C. ....	28.41	19.01	23.94	28.65	33.08	37.50	-	-	-	-	-	-
Technical occupations .....	17.19	10.55	13.24	16.00	20.37	26.02	11.72	6.69	9.74	12.31	13.88	16.11
Clinical laboratory technologists and technicians .....	15.95	9.04	13.52	16.53	19.29	19.76	-	-	-	-	-	-
Radiological technicians .....	16.30	13.15	14.26	15.59	18.38	21.13	-	-	-	-	-	-
Licensed practical nurses .....	12.76	9.78	12.09	13.15	13.91	15.14	12.56	10.08	11.06	12.50	14.12	14.86
Health technologists and technicians, N.E.C. ....	12.47	8.50	9.40	12.04	15.11	19.19	-	-	-	-	-	-
Electrical and electronic technicians .....	18.48	15.00	15.79	17.95	21.18	25.11	-	-	-	-	-	-
Drafters .....	14.67	10.50	12.33	13.24	18.00	19.47	-	-	-	-	-	-
Computer programmers .....	22.62	14.72	18.10	22.47	28.00	28.52	-	-	-	-	-	-
Technical and related occupations, N.E.C. ....	15.70	10.08	10.08	14.56	19.97	23.91	-	-	-	-	-	-
Executive, administrative, and managerial occupations .....	27.26	12.88	15.70	22.74	30.80	38.47	-	-	-	-	-	-
Executives, administrators, and managers .....	32.40	14.85	19.58	26.74	33.85	41.99	-	-	-	-	-	-
Financial managers .....	25.24	13.44	17.78	26.39	31.16	32.89	-	-	-	-	-	-
Personnel and labor relations managers .....	24.22	19.23	19.23	21.68	25.00	42.31	-	-	-	-	-	-

See footnotes at end of table.

**Table A-3. Hourly earnings<sup>1</sup> for selected occupations, full-time and part-time workers<sup>2</sup>, all industries, Kansas City, MO-KS, August 1998 — Continued**

Occupation <sup>3</sup>	All industries											
	Full-time					Part-time						
	Mean	Percentiles					Mean	Percentiles				
10		25	Median 50	75	90	10		25	Median 50	75	90	
<b>White-collar occupations (-Continued)</b>												
Executive, administrative, and managerial occupations (-Continued)												
Executives, administrators, and managers (-Continued)												
Managers, marketing, advertising and public relations .....	\$29.15	\$18.21	\$18.46	\$32.70	\$37.19	\$43.07	-	-	-	-	-	-
Administrators, education and related fields .....	30.83	21.15	26.74	29.06	35.00	39.58	-	-	-	-	-	-
Managers, medicine and health .....	23.02	12.27	17.18	25.78	27.72	29.63	-	-	-	-	-	-
Managers, food servicing and lodging establishments .....	25.22	13.22	15.87	27.88	31.30	38.47	-	-	-	-	-	-
Managers, service organizations, N.E.C. ....	19.62	12.56	15.00	19.23	24.51	25.85	-	-	-	-	-	-
Managers and administrators, N.E.C. ....	31.15	17.74	24.04	29.21	36.19	43.22	-	-	-	-	-	-
Management related occupations .....	17.30	11.03	12.86	15.50	19.52	25.94	-	-	-	-	-	-
Accountants and auditors .....	19.46	14.42	14.42	16.00	24.16	31.39	-	-	-	-	-	-
Other financial officers .....	18.73	10.00	10.51	12.04	23.30	40.87	-	-	-	-	-	-
Management analysts .....	17.89	16.29	16.32	17.55	18.33	19.80	-	-	-	-	-	-
Personnel, training, and labor relations specialists .....	19.84	15.38	15.90	19.12	21.49	28.14	-	-	-	-	-	-
Management related occupations, N.E.C. ....	15.64	11.00	12.00	14.30	18.00	21.66	-	-	-	-	-	-
Sales occupations .....	13.33	6.40	7.75	10.96	16.83	22.22	\$6.90	\$5.50	\$5.88	\$6.50	\$7.71	\$9.00
Supervisors, sales occupations .....	15.09	9.00	11.20	13.61	18.82	21.66	-	-	-	-	-	-
Advertising and related sales occupations .....	18.25	13.89	15.62	17.50	22.22	22.22	-	-	-	-	-	-
Sales occupations, other business services .....	17.44	11.54	13.52	16.35	22.00	25.23	-	-	-	-	-	-
Sales representatives, mining, manufacturing, and wholesale .....	25.93	12.47	17.53	33.00	33.00	38.45	-	-	-	-	-	-
Sales workers, other commodities .....	9.41	5.50	6.40	8.00	10.77	14.37	7.52	5.50	6.23	7.25	8.07	9.71
Cashiers .....	7.72	6.10	7.00	7.50	8.50	9.50	6.46	5.50	5.75	6.05	7.00	7.99
Administrative support occupations, including clerical .....	11.57	7.90	9.00	10.90	13.51	15.95	9.04	6.50	7.25	8.50	10.35	11.96
Supervisors, general office .....	15.89	10.40	13.86	14.18	18.66	20.74	-	-	-	-	-	-
Supervisors, financial records processing .....	15.53	12.48	13.49	15.00	17.17	19.73	-	-	-	-	-	-
Supervisors, distribution, scheduling, and adjusting clerks .....	19.81	13.65	13.65	19.69	20.41	30.05	-	-	-	-	-	-
Computer operators .....	12.73	9.62	10.94	13.51	13.98	14.34	-	-	-	-	-	-
Secretaries .....	11.65	8.50	9.57	11.12	12.93	15.58	-	-	-	-	-	-
Typists .....	8.92	7.12	7.82	8.00	8.93	12.49	-	-	-	-	-	-
Hotel clerks .....	7.57	6.50	7.15	7.41	7.97	8.69	-	-	-	-	-	-
Receptionists .....	9.72	7.76	8.51	9.38	11.43	11.43	-	-	-	-	-	-
Information clerks, N.E.C. ....	10.55	8.10	8.92	10.37	11.58	14.11	-	-	-	-	-	-
Order clerks .....	12.10	8.64	9.62	12.05	13.65	16.33	-	-	-	-	-	-
Personnel clerks except payroll and timekeeping .....	11.92	10.75	10.86	11.97	12.44	15.06	-	-	-	-	-	-
Library clerks .....	8.53	7.00	7.65	8.73	8.95	10.54	-	-	-	-	-	-
Records clerks, N.E.C. ....	11.53	8.01	9.02	10.93	15.05	15.42	-	-	-	-	-	-
Bookkeepers, accounting and auditing clerks .....	11.02	8.28	9.00	10.45	12.89	14.50	-	-	-	-	-	-
Billing clerks .....	12.99	9.81	9.96	11.88	17.15	18.14	-	-	-	-	-	-
Traffic, shipping and receiving clerks .....	10.46	7.50	8.17	10.34	13.00	14.73	-	-	-	-	-	-
Stock and inventory clerks .....	14.21	11.50	13.32	14.78	14.78	14.80	-	-	-	-	-	-
Insurance adjusters, examiners, and investigators .....	13.73	10.34	11.46	13.20	15.97	18.01	-	-	-	-	-	-
Investigators and adjusters except insurance .....	11.35	8.64	9.09	9.78	11.68	20.00	-	-	-	-	-	-
General office clerks .....	10.96	7.43	9.02	10.71	12.98	13.93	8.09	6.25	7.00	8.32	9.30	9.80
Bank tellers .....	8.78	7.26	7.78	8.86	9.69	10.09	8.55	7.25	7.75	8.37	9.25	10.35
Data entry keyers .....	10.22	8.00	8.50	9.35	10.11	13.09	-	-	-	-	-	-

See footnotes at end of table.

**Table A-3. Hourly earnings<sup>1</sup> for selected occupations, full-time and part-time workers<sup>2</sup>, all industries, Kansas City, MO-KS, August 1998 — Continued**

Occupation <sup>3</sup>	All industries											
	Full-time					Part-time						
	Mean	Percentiles					Mean	Percentiles				
		10	25	Median 50	75	90		10	25	Median 50	75	90
<b>White-collar occupations (-Continued)</b>												
Administrative support occupations, including clerical (-Continued)												
Statistical clerks .....	\$13.31	\$11.10	\$11.50	\$12.10	\$15.94	\$16.90	-	-	-	-	-	-
Teachers' aides .....	8.50	7.25	7.68	8.37	9.04	9.66	-	-	-	-	-	-
Administrative support occupations, N.E.C. ....	12.57	8.32	10.19	12.96	13.99	16.49	-	-	-	-	-	-
<b>Blue-collar occupations</b> .....	14.24	7.54	10.37	13.26	18.52	21.33	\$7.90	\$5.25	\$5.75	\$6.41	\$9.11	\$12.87
Precision production, craft, and repair occupations .....	17.41	11.00	14.22	17.50	20.01	23.27	-	-	-	-	-	-
Supervisors, mechanics and repairers .....	18.03	12.84	17.31	18.33	19.69	19.69	-	-	-	-	-	-
Automobile mechanics .....	20.58	13.68	15.77	19.90	23.75	29.60	-	-	-	-	-	-
Bus, truck, and stationary engine mechanics .....	11.52	9.00	9.00	10.65	13.94	16.50	-	-	-	-	-	-
Industrial machinery repairers .....	15.44	11.83	14.10	15.56	16.81	19.59	-	-	-	-	-	-
Mechanics and repairers, N.E.C. ....	18.36	13.38	16.47	18.26	21.60	21.67	-	-	-	-	-	-
Electricians .....	19.40	12.61	13.80	20.12	24.39	24.46	-	-	-	-	-	-
Plumbers, pipefitters and steamfitters ..	22.84	11.00	24.14	24.83	26.60	27.83	-	-	-	-	-	-
Supervisors, production occupations ..	20.77	14.22	17.13	22.64	23.00	26.44	-	-	-	-	-	-
Electrical and electronic equipment assemblers .....	11.85	9.64	10.37	10.45	12.38	17.50	-	-	-	-	-	-
Machine operators, assemblers, and inspectors .....	14.53	7.60	10.51	13.23	20.90	21.33	-	-	-	-	-	-
Printing press operators .....	14.77	8.72	10.85	14.15	19.89	23.23	-	-	-	-	-	-
Packaging and filling machine operators .....	11.86	10.17	10.41	11.00	12.65	12.65	-	-	-	-	-	-
Mixing and blending machine operators .....	14.19	12.58	12.58	13.68	15.01	18.48	-	-	-	-	-	-
Miscellaneous machine operators, N.E.C. ....	9.77	5.90	7.38	10.09	11.83	13.31	-	-	-	-	-	-
Assemblers .....	17.83	7.00	14.98	20.90	21.33	21.33	-	-	-	-	-	-
Transportation and material moving occupations .....	13.38	7.72	10.66	12.59	15.73	19.93	10.00	7.29	8.51	9.55	11.33	14.45
Truck drivers .....	12.97	8.50	10.73	12.52	14.47	16.50	-	-	-	-	-	-
Bus drivers .....	-	-	-	-	-	-	10.92	9.11	9.32	9.95	11.85	14.75
Supervisors, material moving equipment .....	18.27	11.85	12.38	13.94	24.95	29.25	-	-	-	-	-	-
Industrial truck and tractor equipment operators .....	13.91	9.85	12.11	13.55	15.58	17.08	-	-	-	-	-	-
Handlers, equipment cleaners, helpers, and laborers .....	10.85	7.33	8.00	10.17	12.69	16.20	7.20	5.25	5.50	6.30	7.50	11.01
Groundskeepers and gardeners except farm .....	10.79	7.15	9.00	11.35	12.65	12.65	-	-	-	-	-	-
Construction laborers .....	16.25	10.92	14.17	17.90	18.86	18.86	-	-	-	-	-	-
Stock handlers and baggers .....	11.51	7.62	9.50	11.88	13.23	15.10	7.50	5.23	5.40	6.21	8.70	11.48
Freight, stock, and material handlers, N.E.C. ....	12.78	8.52	9.00	11.00	14.29	20.35	7.96	6.00	6.00	6.30	7.50	12.95
Hand packers and packagers .....	9.46	7.33	7.33	10.12	10.41	12.36	-	-	-	-	-	-
Laborers except construction, N.E.C. ....	8.75	5.83	7.54	7.54	10.63	11.34	-	-	-	-	-	-
<b>Service occupations</b> .....	10.12	6.08	7.03	8.75	11.60	15.97	5.59	2.13	3.50	6.00	7.00	8.00
Protective service occupations .....	15.90	9.66	11.51	15.01	18.69	23.15	7.73	5.74	7.00	7.25	8.03	11.47
Supervisors, police and detectives .....	24.38	15.80	19.21	24.00	28.28	36.55	-	-	-	-	-	-
Firefighting occupations .....	14.44	10.56	12.80	15.28	15.50	18.31	-	-	-	-	-	-
Police and detectives, public service ..	17.66	13.08	14.45	16.36	21.30	22.58	-	-	-	-	-	-
Guards and police except public service .....	10.16	7.44	8.61	10.94	11.40	11.80	-	-	-	-	-	-
Food service occupations .....	7.47	2.25	5.91	7.23	9.87	11.63	4.79	2.13	2.13	5.15	6.50	8.00
Supervisors, food preparation and service occupations .....	11.87	8.75	10.00	12.30	12.98	13.70	-	-	-	-	-	-
Waiters and waitresses .....	3.61	2.13	2.13	4.00	5.25	5.25	2.42	2.13	2.13	2.13	2.35	2.65
Cooks .....	9.16	6.47	7.75	9.50	10.54	10.97	8.35	6.47	6.50	8.00	9.99	10.66

See footnotes at end of table.

**Table A-3. Hourly earnings<sup>1</sup> for selected occupations, full-time and part-time workers<sup>2</sup>, all industries, Kansas City, MO-KS, August 1998 — Continued**

Occupation <sup>3</sup>	All industries											
	Full-time						Part-time					
	Mean	Percentiles					Mean	Percentiles				
		10	25	Median 50	75	90		10	25	Median 50	75	90
<b>Service occupations (-Continued)</b>												
Food service occupations (-Continued)												
Kitchen workers, food preparation .....	\$8.17	\$6.33	\$6.43	\$7.60	\$8.96	\$11.91	—	—	—	—	—	—
Waiters'/Waitresses' assistants .....	—	—	—	—	—	—	\$4.74	\$2.13	\$3.50	\$3.50	\$6.00	\$7.50
Food preparation occupations, N.E.C. ....	6.86	5.93	6.23	6.50	7.43	8.06	6.56	5.22	5.97	6.38	7.50	8.00
Health service occupations .....	8.60	6.93	7.75	8.45	9.56	10.33	8.31	6.34	7.12	8.00	9.60	9.98
Health aides, except nursing .....	9.17	7.75	8.06	9.06	10.15	11.25	7.83	6.05	6.49	7.75	8.24	11.88
Nursing aides, orderlies and attendants .....	8.44	6.68	7.52	8.32	9.39	10.10	8.83	7.12	8.00	9.60	9.98	9.98
Cleaning and building service occupations .....	9.08	6.39	6.95	8.20	10.12	13.00	6.15	5.09	5.59	6.10	6.62	7.12
Supervisors, cleaning and building service workers .....	14.11	9.00	11.00	14.40	15.85	18.27	—	—	—	—	—	—
Maids and housemen .....	7.02	6.25	6.39	6.89	7.50	8.20	—	—	—	—	—	—
Janitors and cleaners .....	9.33	6.39	7.37	8.59	10.27	13.00	6.11	5.09	5.44	5.99	6.53	7.12
Personal service occupations .....	8.71	5.23	6.30	7.69	9.51	15.95	6.79	5.88	6.19	6.50	7.32	8.27
Service occupations, N.E.C. ....	6.99	5.50	6.16	6.75	7.50	9.66	7.56	6.46	6.61	6.99	8.02	9.88

<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, 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. The 10th, 25th, 50th, 75th and 90th percentiles designate position in the earnings distribution. At the 50th percentile, the median, half of the workers receive the same as or more than the rate shown, and half receive the same as or less than the rate shown. At the 25th percentile, one-fourth of the workers earn the same as or less than the rate shown. At the 75th percentile, one-fourth earn the same as or more than the rate shown. The 10th and 90th percentiles follow the same logic.

<sup>2</sup> 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> A classification system including about 480 individual occupations is used to cover all workers in the civilian economy. Individual occupations are classified into one of nine major occupational groups.

NOTE: Dashes indicate that no data were reported or that data did not meet publication criteria. Overall occupational groups and occupational levels may include data for categories not shown separately. N.E.C. means "not elsewhere classified."

NOTE: Individual and average wage rates were collected in this update survey. A procedure was put into place to "move" the positional statistics where averages were collected. This procedure compares current locality survey data—at the quote level—with the same quote from the prior survey. Individual rates from the prior survey are moved by the average change in mean wages for the occupation.

**Table A-4. Weekly and annual earnings<sup>1</sup> and hours for selected occupations, full-time workers only<sup>2</sup>, all industries, Kansas City, MO-KS, August 1998**

Occupation <sup>3</sup>	All industries					
	Mean weekly hours <sup>4</sup>	Weekly earnings		Mean annual hours	Annual earnings	
		Mean	Median		Mean	Median
<b>All occupations</b> .....	40.1	\$661	\$562	2,024	\$33,382	\$28,808
All occupations excluding sales .....	40.1	670	570	2,022	33,755	28,980
<b>White-collar occupations</b> .....	39.9	754	625	1,992	37,626	31,555
White-collar occupations excluding sales .....	39.9	779	640	1,985	38,745	32,240
Professional specialty and technical occupations .....	39.9	894	801	1,923	43,129	39,292
Professional specialty occupations .....	39.8	957	851	1,881	45,164	40,683
Engineers, architects, and surveyors .....	40.2	1,075	1,003	2,088	55,905	52,166
Civil engineers .....	40.4	1,217	1,137	2,099	63,289	59,104
Electrical and electronic engineers .....	40.2	1,090	1,030	2,090	56,680	53,574
Mechanical engineers .....	40.5	945	918	2,104	49,154	47,736
Engineers, N.E.C. ....	40.0	1,040	950	2,080	54,099	49,383
Mathematical and computer scientists .....	40.4	1,052	1,004	2,103	54,684	52,208
Computer systems analysts and scientists .....	40.5	1,084	1,071	2,104	56,381	55,714
Operations and systems researchers and analysts .....	40.0	762	809	2,080	39,639	42,088
Natural scientists .....	40.1	769	672	2,088	39,997	34,944
Health related occupations .....	41.0	892	748	2,095	45,550	38,739
Physicians .....	51.9	1,477	677	2,699	76,813	35,194
Registered nurses .....	38.6	749	750	1,984	38,434	38,968
Pharmacists .....	40.7	1,098	1,101	2,118	57,079	57,244
Teachers, college and university .....	39.2	1,208	1,141	1,794	55,218	50,232
Medical science teachers .....	40.1	1,294	1,092	2,040	65,825	56,181
Teachers, except college and university .....	38.0	955	937	1,446	36,336	35,697
Elementary school teachers .....	38.0	1,012	1,024	1,425	37,968	39,546
Secondary school teachers .....	37.7	977	921	1,396	36,198	33,851
Teachers, special education .....	37.7	940	893	1,447	36,122	35,387
Teachers, N.E.C. ....	38.3	898	893	1,452	34,068	33,599
Vocational and educational counselors .....	38.9	871	776	1,761	39,385	40,331
Librarians, archivists, and curators .....	37.9	965	883	1,612	41,076	41,301
Librarians .....	37.9	965	883	1,612	41,076	41,301
Social scientists and urban planners .....	39.2	734	653	1,888	35,295	34,043
Psychologists .....	38.9	802	755	1,812	37,334	38,106
Social, recreation, and religious workers .....	39.4	573	546	2,048	29,782	28,392
Social workers .....	39.4	585	553	2,051	30,403	28,764
Lawyers and judges .....	-	-	-	-	-	-
Writers, authors, entertainers, athletes, and professionals, N.E.C. ....	39.9	899	668	2,066	46,545	34,724
Designers .....	40.0	764	640	2,081	39,730	33,280
Professional occupations, N.E.C. ....	40.0	1,136	1,146	2,080	59,084	59,592
Technical occupations .....	40.0	687	628	2,078	35,726	32,679
Clinical laboratory technologists and technicians .....	39.3	626	629	2,042	32,567	32,718
Radiological technicians .....	39.0	635	618	2,025	33,016	32,136
Licensed practical nurses .....	39.3	502	520	2,045	26,101	27,058
Health technologists and technicians, N.E.C. ....	40.1	501	482	2,088	26,041	25,043
Electrical and electronic technicians .....	39.7	734	700	2,066	38,181	36,421
Drafters .....	40.0	587	530	2,080	30,509	27,539
Computer programmers .....	40.6	919	923	2,112	47,782	48,001
Technical and related occupations, N.E.C. ....	40.9	641	600	2,125	33,348	31,200
Executive, administrative, and managerial occupations ...	41.0	1,119	920	2,121	57,820	47,814
Executives, administrators, and managers .....	41.4	1,342	1,070	2,135	69,166	54,697
Financial managers .....	40.7	1,026	1,056	2,114	53,361	54,891
Personnel and labor relations managers .....	40.8	990	769	2,124	51,455	39,998
Managers, marketing, advertising and public relations .....	40.1	1,169	1,247	2,084	60,763	64,857
Administrators, education and related fields .....	39.7	1,224	1,168	1,927	59,421	55,619
Managers, medicine and health .....	40.0	921	1,031	2,080	47,886	53,622
Managers, food servicing and lodging establishments .....	41.6	1,050	1,252	2,165	54,607	65,104
Managers, service organizations, N.E.C. ....	39.8	781	769	2,071	40,621	39,998
Managers and administrators, N.E.C. ....	42.6	1,327	1,165	2,215	69,000	60,590
Management related occupations .....	40.3	697	622	2,095	36,235	32,323
Accountants and auditors .....	40.0	778	640	2,080	40,478	33,280
Other financial officers .....	40.6	760	481	2,111	39,524	25,037
Management analysts .....	43.6	780	759	2,268	40,566	39,493

See footnotes at end of table.



**Table A-4. Weekly and annual earnings<sup>1</sup> and hours for selected occupations, full-time workers only<sup>2</sup>, all industries, Kansas City, MO-KS, August 1998 — Continued**

Occupation <sup>3</sup>	All industries					
	Mean weekly hours <sup>4</sup>	Weekly earnings		Mean annual hours	Annual earnings	
		Mean	Median		Mean	Median
<b>White-collar occupations (-Continued)</b>						
Executive, administrative, and managerial occupations (-Continued)						
Management related occupations (-Continued)						
Personnel, training, and labor relations specialists .....	40.4	\$802	\$798	2,101	\$41,680	\$41,504
Management related occupations, N.E.C. ....	39.9	624	557	2,072	32,418	28,977
Sales occupations .....	39.7	530	432	2,059	27,456	22,464
Supervisors, sales occupations .....	40.7	614	558	2,115	31,910	29,016
Advertising and related sales occupations .....	40.9	746	700	2,124	38,772	36,400
Sales occupations, other business services .....	39.9	696	654	2,076	36,201	34,008
Sales representatives, mining, manufacturing, and wholesale .....	43.1	1,118	894	2,242	58,128	46,467
Sales workers, other commodities .....	39.0	366	302	2,025	19,051	15,683
Cashiers .....	41.1	318	316	2,138	16,513	16,432
Administrative support occupations, including clerical .....	39.4	456	431	1,993	23,070	22,048
Supervisors, general office .....	40.7	647	640	2,117	33,637	33,280
Supervisors, financial records processing .....	40.0	621	600	2,080	32,298	31,200
Supervisors, distribution, scheduling, and adjusting clerks .....	39.5	782	776	2,052	40,643	40,330
Computer operators .....	40.0	509	540	2,080	26,483	28,101
Secretaries .....	39.3	458	443	1,989	23,165	22,509
Typists .....	40.0	357	320	1,881	16,777	16,274
Hotel clerks .....	40.0	303	297	2,080	15,742	15,418
Receptionists .....	39.7	386	375	1,981	19,247	19,198
Information clerks, N.E.C. ....	40.0	422	415	1,939	20,448	19,989
Order clerks .....	38.9	470	480	2,021	24,460	24,960
Personnel clerks except payroll and timekeeping .....	40.1	478	479	2,087	24,869	24,898
Library clerks .....	38.2	326	328	1,698	14,488	13,781
Records clerks, N.E.C. ....	40.0	461	437	2,080	23,984	22,741
Bookkeepers, accounting and auditing clerks .....	39.9	440	414	2,075	22,875	21,549
Billing clerks .....	40.0	519	475	2,080	27,013	24,701
Traffic, shipping and receiving clerks .....	37.8	395	390	1,964	20,547	20,280
Stock and inventory clerks .....	40.0	568	591	2,075	29,489	30,743
Insurance adjusters, examiners, and investigators .....	40.0	549	528	2,080	28,564	27,448
Investigators and adjusters except insurance .....	39.8	452	388	2,070	23,494	20,183
General office clerks .....	39.8	437	428	2,019	22,123	22,048
Bank tellers .....	40.0	351	354	2,080	18,260	18,429
Data entry keyers .....	40.0	409	374	2,019	20,642	19,448
Statistical clerks .....	38.7	515	460	2,012	26,783	23,920
Teachers' aides .....	34.3	292	286	1,323	11,247	11,024
Administrative support occupations, N.E.C. ....	40.1	505	516	2,087	26,242	26,832
<b>Blue-collar occupations</b>						
Precision production, craft, and repair occupations .....	40.3	574	537	2,071	29,497	27,581
Supervisors, mechanics and repairers .....	40.0	696	708	2,072	36,075	36,391
Automobile mechanics .....	41.5	747	760	2,155	38,860	39,533
Bus, truck, and stationary engine mechanics .....	40.0	823	796	2,080	42,799	41,392
Industrial machinery repairers .....	40.0	461	426	2,080	23,962	22,143
Mechanics and repairers, N.E.C. ....	40.3	622	622	2,094	32,336	32,359
Electricians .....	40.0	734	730	2,080	38,192	37,974
Plumbers, pipefitters and steamfitters .....	40.0	776	805	2,080	40,352	41,844
Supervisors, production occupations .....	40.0	914	993	2,080	47,517	51,646
Electrical and electronic equipment assemblers .....	40.0	831	906	2,080	43,204	47,091
Machine operators, assemblers, and inspectors .....	40.0	474	418	2,080	24,646	21,744
Printing press operators .....	39.8	578	511	2,002	29,093	26,312
Packaging and filling machine operators .....	39.5	583	556	2,052	30,304	28,899
Mixing and blending machine operators .....	39.7	471	421	2,066	24,500	21,903
Miscellaneous machine operators, N.E.C. ....	40.0	567	547	2,080	29,506	28,454
Assemblers .....	39.6	387	398	1,763	17,229	17,909
Transportation and material moving occupations .....	39.9	712	836	2,049	36,533	43,472
Truck drivers .....	42.9	574	556	2,211	29,583	28,933
Supervisors, material moving equipment .....	45.1	586	556	2,347	30,453	28,933
Industrial truck and tractor equipment operators .....	40.0	731	558	2,080	37,993	28,995
Handlers, equipment cleaners, helpers, and laborers .....	39.8	554	538	2,071	28,804	27,976
	39.9	433	407	2,067	22,426	21,154

See footnotes at end of table.

**Table A-4. Weekly and annual earnings<sup>1</sup> and hours for selected occupations, full-time workers only<sup>2</sup>, all industries, Kansas City, MO-KS, August 1998 — Continued**

Occupation <sup>3</sup>	All industries					
	Mean weekly hours <sup>4</sup>	Weekly earnings		Mean annual hours	Annual earnings	
		Mean	Median		Mean	Median
<b>Blue-collar occupations</b> (-Continued)						
Handlers, equipment cleaners, helpers, and laborers (-Continued)						
Groundskeepers and gardeners except farm .....	40.0	\$431	\$454	2,076	\$22,396	\$23,608
Construction laborers .....	39.2	637	716	1,879	30,533	37,232
Stock handlers and baggers .....	39.8	459	475	2,072	23,845	24,710
Freight, stock, and material handlers, N.E.C. ....	40.0	511	440	2,080	26,585	22,880
Hand packers and packagers .....	40.0	378	405	2,080	19,679	21,050
Laborers except construction, N.E.C. ....	40.0	350	302	2,081	18,219	15,681
<b>Service occupations</b> .....						
Protective service occupations .....	43.0	684	606	2,179	34,645	31,221
Supervisors, police and detectives .....	40.0	975	960	2,080	50,713	49,920
Firefighting occupations .....	51.4	742	795	2,673	38,592	41,317
Police and detectives, public service .....	40.0	706	654	2,080	36,724	34,033
Guards and police except public service .....	40.8	414	438	2,095	21,277	22,293
Food service occupations .....	39.3	294	280	2,001	14,947	14,345
Supervisors, food preparation and service occupations .....	40.3	478	510	2,056	24,400	26,499
Waiters and waitresses .....	40.1	145	126	2,083	7,522	6,541
Cooks .....	39.7	363	370	2,064	18,900	19,240
Kitchen workers, food preparation .....	39.0	318	304	2,026	16,543	15,798
Food preparation occupations, N.E.C. ....	38.1	261	260	1,902	13,041	13,305
Health service occupations .....	39.3	338	330	2,022	17,395	17,139
Health aides, except nursing .....	39.3	360	355	1,962	17,987	17,833
Nursing aides, orderlies and attendants .....	39.2	331	326	2,040	17,212	16,931
Cleaning and building service occupations .....	39.8	362	332	2,065	18,745	17,220
Supervisors, cleaning and building service workers .....	40.4	570	576	2,103	29,664	29,952
Maids and housemen .....	38.6	271	266	2,006	14,094	13,848
Janitors and cleaners .....	40.2	375	347	2,081	19,412	18,039
Personal service occupations .....	42.1	367	313	2,172	18,911	15,921
Service occupations, N.E.C. ....	40.0	280	270	2,055	14,371	14,040

<sup>1</sup> Earnings are the straight-time wages or salaries paid to employees. They include incentive pay, cost-of-living adjustments, and hazard pay. Excluded are premium pay for overtime, vacations, 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. The median designates position—one-half of the workers receive the same as or more, and one-half receive the same as or less than the rate shown.

<sup>2</sup> 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> A classification system including about 480 individual occupations is used to cover all workers in the civilian economy. Individual occupations are classified into one of nine major occupational groups.

<sup>4</sup> Mean weekly hours are the hours an employee is scheduled to work in a week, exclusive of overtime.

NOTE: Dashes indicate that no data were reported or that data did not meet publication criteria. Overall occupational groups and occupational levels may include data for categories not shown separately. N.E.C. means "not elsewhere classified."

NOTE: Individual and average wage rates were collected in this update survey. A procedure was put into place to "move" the positional statistics where averages were collected. This procedure compares current locality survey data—at the quote level—with the same quote from the prior survey. Individual rates from the prior survey are moved by the average change in mean wages for the occupation.

**Table B-1. Mean hourly earnings<sup>1</sup> by occupational group and levels<sup>2</sup>, all industries, private industry, State and local government, full-time and part-time workers, Kansas City, MO-KS, August 1998**

Occupational group <sup>3</sup> and level	All workers <sup>4</sup>			All industries	
	All industries	Private industry	State and local government	Full-time workers	Part-time workers
<b>All occupations</b> .....	\$15.74	\$15.44	\$17.32	\$16.49	\$8.06
All occupations excluding sales .....	16.08	15.82	17.32	16.69	8.41
<b>White-collar occupations</b> .....	18.19	17.93	19.25	18.89	9.79
Level 1 .....	7.41	7.11	9.27	7.94	6.86
Level 2 .....	7.67	7.61	8.29	8.16	6.68
Level 3 .....	9.15	9.11	9.42	9.56	8.08
Level 4 .....	10.59	10.79	9.40	10.68	8.85
Level 5 .....	12.61	12.67	12.00	12.67	11.15
Level 6 .....	13.29	13.34	13.04	13.31	12.87
Level 7 .....	18.67	17.46	21.47	18.73	14.96
Level 8 .....	20.07	18.68	22.50	20.11	19.30
Level 9 .....	21.66	21.42	22.30	21.73	18.94
Level 10 .....	21.21	20.33	25.22	21.22	—
Level 11 .....	27.90	28.05	26.93	27.90	—
Level 12 .....	31.41	32.25	23.95	31.41	—
Level 13 .....	38.32	40.69	—	38.32	—
Level 14 .....	53.48	56.11	—	53.48	—
Not able to be leveled .....	22.01	21.86	22.67	22.52	11.25
White-collar occupations excluding sales .....	19.17	19.15	19.25	19.52	12.27
Level 1 .....	8.24	7.01	9.27	8.71	6.89
Level 2 .....	8.55	8.61	8.29	8.92	7.51
Level 3 .....	9.63	9.68	9.42	9.75	9.11
Level 4 .....	10.57	10.81	9.40	10.60	9.45
Level 5 .....	12.67	12.76	12.00	12.74	11.21
Level 6 .....	13.32	13.38	13.04	13.34	12.87
Level 7 .....	18.72	17.42	21.47	18.79	14.96
Level 8 .....	20.35	18.98	22.50	20.41	19.30
Level 9 .....	21.86	21.68	22.30	21.93	18.94
Level 10 .....	21.27	20.32	25.22	21.28	—
Level 11 .....	28.01	28.19	26.93	28.01	—
Level 12 .....	31.25	32.14	23.95	31.25	—
Level 13 .....	38.32	40.69	—	38.32	—
Level 14 .....	53.48	56.11	—	53.48	—
Not able to be leveled .....	21.95	21.79	22.67	22.48	11.25
Professional specialty and technical occupations .....	22.17	22.00	22.53	22.43	16.57
Professional specialty occupations .....	23.76	24.03	23.32	24.01	18.24
Level 5 .....	14.05	14.18	—	14.19	—
Level 6 .....	13.25	—	12.98	13.56	—
Level 7 .....	20.75	17.62	23.26	20.79	16.44
Level 8 .....	22.00	20.14	23.81	22.11	20.26
Level 9 .....	22.38	21.63	23.47	22.54	18.94
Level 10 .....	19.25	19.26	19.17	19.23	—
Level 11 .....	27.49	28.00	25.15	27.49	—
Level 12 .....	30.23	31.38	—	30.23	—
Level 13 .....	37.64	41.94	—	37.64	—
Level 14 .....	50.98	51.68	—	50.98	—
Not able to be leveled .....	27.95	28.31	—	30.05	11.53
Engineers, architects, and surveyors .....	26.78	26.88	—	26.78	—
Level 9 .....	22.80	23.35	—	22.80	—
Level 11 .....	29.63	29.63	—	29.63	—
Level 12 .....	30.78	30.96	—	30.78	—
Level 13 .....	38.08	38.08	—	38.08	—
Mathematical and computer scientists .....	26.00	26.32	—	26.00	—
Level 9 .....	22.55	23.13	—	22.55	—
Level 10 .....	25.99	—	—	25.99	—
Level 11 .....	29.11	30.20	—	29.11	—
Level 12 .....	32.62	32.62	—	32.62	—
Natural scientists .....	19.16	23.80	—	19.16	—
Health related occupations .....	21.83	22.22	20.10	21.74	22.52
Level 7 .....	17.25	17.96	—	17.10	—
Level 8 .....	19.59	19.86	—	19.46	20.35
Level 9 .....	19.67	19.43	20.27	19.65	19.80
Level 10 .....	15.27	14.59	—	15.09	—

See footnotes at end of table.

**Table B-1. Mean hourly earnings<sup>1</sup> by occupational group and levels<sup>2</sup>, all industries, private industry, State and local government, full-time and part-time workers, Kansas City, MO-KS, August 1998 — Continued**

Occupational group <sup>3</sup> and level	All workers <sup>4</sup>			All industries	
	All industries	Private industry	State and local government	Full-time workers	Part-time workers
<b>White-collar occupations (-Continued)</b>					
Health related occupations (-Continued)					
Level 11 .....	\$25.39	\$25.67	—	\$24.86	—
Teachers, college and university .....	30.68	26.41	\$33.09	30.78	—
Level 9 .....	20.47	23.53	—	20.47	—
Level 11 .....	33.70	26.25	—	33.75	—
Teachers, except college and university .....	24.55	21.59	24.61	25.12	\$11.55
Level 7 .....	24.32	—	24.37	24.37	—
Level 8 .....	25.48	—	25.44	25.49	—
Level 9 .....	25.95	—	26.30	26.09	—
Librarians, archivists, and curators .....	24.98	17.28	30.01	25.49	—
Level 9 .....	20.05	—	—	20.05	—
Social scientists and urban planners .....	18.70	—	—	18.70	—
Social, religious, and recreation workers .....	14.61	13.65	15.33	14.54	—
Level 8 .....	12.90	—	—	—	—
Lawyers and judges .....	—	—	—	—	—
Writers, authors, entertainers, athletes, and professionals, N.E.C. ....	22.07	21.78	—	22.53	11.13
Level 5 .....	13.22	13.22	—	13.22	—
Level 7 .....	15.00	15.00	—	15.00	—
Level 9 .....	21.29	21.29	—	21.29	—
Level 11 .....	23.29	23.29	—	23.29	—
Not able to be leveled .....	35.55	—	—	43.09	11.53
Technical occupations .....	16.93	17.27	14.39	17.19	11.72
Level 4 .....	11.05	11.53	—	11.05	—
Level 5 .....	13.07	12.76	—	13.22	10.72
Level 6 .....	14.12	14.26	—	14.08	—
Level 7 .....	18.71	19.36	14.97	19.07	—
Level 8 .....	17.61	18.08	—	17.70	—
Level 9 .....	21.97	22.87	—	21.98	—
Executive, administrative, and managerial occupations ...	27.21	27.82	22.80	27.26	—
Level 5 .....	12.04	12.04	—	12.04	—
Level 6 .....	12.37	12.13	—	12.37	—
Level 7 .....	16.03	16.30	—	16.03	—
Level 8 .....	17.18	17.33	16.82	17.20	—
Level 9 .....	20.89	21.53	—	20.89	—
Level 10 .....	26.02	23.51	—	26.02	—
Level 11 .....	28.78	28.65	29.85	28.78	—
Level 12 .....	32.14	32.77	—	32.14	—
Level 13 .....	39.15	39.43	—	39.15	—
Level 14 .....	56.28	61.46	—	56.28	—
Executives, administrators, and managers .....	32.30	33.23	26.08	32.40	—
Level 8 .....	18.25	18.62	—	18.36	—
Level 9 .....	21.36	21.74	—	21.36	—
Level 10 .....	26.22	22.89	—	26.22	—
Level 11 .....	29.39	29.30	—	29.39	—
Level 12 .....	32.38	33.05	—	32.38	—
Level 13 .....	39.14	39.42	—	39.14	—
Level 14 .....	56.37	61.84	—	56.37	—
Management related occupations .....	17.30	17.59	14.72	17.30	—
Level 5 .....	12.06	12.06	—	12.06	—
Level 6 .....	12.38	12.07	—	12.38	—
Level 7 .....	15.89	16.18	—	15.89	—
Level 8 .....	15.02	15.26	—	15.02	—
Level 9 .....	19.99	21.04	—	19.99	—
Level 11 .....	26.56	26.60	—	26.56	—
Sales occupations .....	11.58	11.58	—	13.33	6.90
Level 1 .....	7.13	7.13	—	7.49	6.85
Level 2 .....	6.62	6.62	—	7.01	6.08
Level 3 .....	7.67	7.67	—	8.41	7.16
Level 4 .....	10.70	10.70	—	11.17	—
Level 5 .....	12.25	12.25	—	12.29	—
Level 6 .....	12.86	12.86	—	12.86	—
Level 7 .....	17.95	17.95	—	17.95	—

See footnotes at end of table.

**Table B-1. Mean hourly earnings<sup>1</sup> by occupational group and levels<sup>2</sup>, all industries, private industry, State and local government, full-time and part-time workers, Kansas City, MO-KS, August 1998 — Continued**

Occupational group <sup>3</sup> and level	All workers <sup>4</sup>			All industries	
	All industries	Private industry	State and local government	Full-time workers	Part-time workers
<b>White-collar occupations (-Continued)</b>					
Sales occupations (-Continued)					
Level 8 .....	\$16.38	\$16.38	—	\$16.38	—
Level 10 .....	20.40	20.40	—	20.40	—
Level 11 .....	26.32	26.32	—	26.32	—
Administrative support occupations, including clerical .....	11.38	11.57	\$10.49	11.57	\$9.04
Level 1 .....	8.24	7.01	9.27	8.71	6.89
Level 2 .....	8.50	8.55	8.29	8.92	7.04
Level 3 .....	9.63	9.68	9.42	9.75	9.11
Level 4 .....	10.56	10.78	9.45	10.59	9.48
Level 5 .....	12.36	12.54	11.33	12.44	—
Level 6 .....	13.29	13.34	13.00	13.33	—
Level 7 .....	15.58	15.93	—	15.44	—
Level 8 .....	17.07	17.33	—	17.05	—
Level 9 .....	21.14	21.14	—	21.14	—
<b>Blue-collar occupations</b>					
Level 1 .....	13.95	13.97	13.40	14.24	7.90
Level 2 .....	7.76	7.70	—	8.15	6.34
Level 3 .....	8.92	8.91	—	9.03	7.77
Level 4 .....	14.96	15.16	10.01	15.04	10.70
Level 5 .....	12.58	12.56	—	12.69	10.39
Level 6 .....	13.05	13.11	12.45	13.04	—
Level 7 .....	14.71	14.91	12.79	14.71	—
Level 8 .....	18.16	18.30	15.69	18.16	—
Level 9 .....	20.04	20.04	—	20.04	—
Level 10 .....	21.69	22.00	—	21.69	—
Level 10 .....	27.22	—	—	27.22	—
Precision production, craft, and repair occupations .....	17.41	17.59	15.36	17.41	—
Level 4 .....	12.23	12.23	—	12.23	—
Level 5 .....	13.71	13.80	—	13.71	—
Level 6 .....	14.33	14.63	—	14.33	—
Level 7 .....	18.48	18.68	15.69	18.48	—
Level 8 .....	19.24	19.24	—	19.24	—
Level 9 .....	22.23	22.66	—	22.23	—
Machine operators, assemblers, and inspectors .....	14.47	14.47	—	14.53	—
Level 1 .....	6.96	6.96	—	7.00	—
Level 2 .....	9.58	9.58	—	9.59	—
Level 3 .....	18.40	18.40	—	18.40	—
Level 4 .....	11.78	11.78	—	11.84	—
Level 5 .....	11.99	11.99	—	11.99	—
Level 6 .....	14.00	14.00	—	14.00	—
Level 7 .....	16.74	16.74	—	16.74	—
Transportation and material moving occupations .....	13.20	13.30	11.86	13.38	10.00
Level 1 .....	8.59	—	—	—	—
Level 2 .....	9.75	9.72	—	9.90	—
Level 3 .....	11.53	11.70	—	11.70	—
Level 4 .....	14.13	14.18	—	14.14	—
Level 5 .....	14.21	14.63	—	14.46	—
Level 6 .....	16.32	16.32	—	16.32	—
Level 7 .....	16.70	16.70	—	16.70	—
Handlers, equipment cleaners, helpers, and laborers .....	10.42	10.41	10.54	10.85	7.20
Level 1 .....	7.84	7.84	—	8.41	5.92
Level 2 .....	8.24	8.23	—	8.34	7.74
Level 3 .....	11.75	11.89	—	11.73	—
Level 4 .....	12.55	12.55	—	12.75	—
Level 5 .....	13.33	13.51	—	13.21	—
Level 6 .....	15.06	—	—	15.06	—
<b>Service occupations</b>					
Level 1 .....	9.11	7.84	12.68	10.12	5.59
Level 2 .....	6.70	6.26	8.55	7.30	5.72
Level 3 .....	6.95	6.67	8.18	7.65	5.68
Level 4 .....	7.10	6.84	8.29	7.91	4.43
Level 5 .....	9.48	9.31	—	9.59	8.35
Level 5 .....	10.94	10.95	—	11.02	—

See footnotes at end of table.

**Table B-1. Mean hourly earnings<sup>1</sup> by occupational group and levels<sup>2</sup>, all industries, private industry, State and local government, full-time and part-time workers, Kansas City, MO-KS, August 1998 — Continued**

Occupational group <sup>3</sup> and level	All workers <sup>4</sup>			All industries	
	All industries	Private industry	State and local government	Full-time workers	Part-time workers
<b>Service occupations (-Continued)</b>					
Level 6 .....	\$11.48	\$11.16	—	\$11.45	—
Level 7 .....	14.70	—	\$14.43	14.70	—
Level 8 .....	15.24	—	15.51	15.33	—
Level 9 .....	18.83	—	18.83	18.83	—
Level 10 .....	20.84	—	20.84	20.84	—
Protective service occupations .....	15.46	13.27	16.28	15.90	\$7.73
Level 3 .....	8.24	—	—	—	—
Level 4 .....	10.43	—	—	11.18	—
Level 6 .....	11.71	—	—	—	—
Level 7 .....	14.20	—	14.20	14.20	—
Level 8 .....	15.34	—	15.51	15.44	—
Level 9 .....	18.83	—	18.83	18.83	—
Food service occupations .....	6.38	6.30	7.28	7.47	4.79
Level 1 .....	5.60	5.27	7.06	5.89	5.14
Level 2 .....	5.74	5.64	—	6.68	5.24
Level 3 .....	5.64	5.59	—	6.90	3.64
Level 4 .....	8.71	8.71	—	8.96	—
Level 5 .....	11.27	11.24	—	11.42	—
Health service occupations .....	8.58	8.60	8.42	8.60	8.31
Level 2 .....	7.40	7.29	8.05	7.43	—
Level 3 .....	8.58	8.57	8.60	8.60	—
Level 4 .....	9.07	9.07	—	9.00	—
Cleaning and building service occupations .....	8.61	8.12	9.91	9.08	6.15
Level 1 .....	7.56	6.95	10.20	8.27	6.09
Level 2 .....	8.77	8.70	—	8.82	—
Level 3 .....	8.94	9.18	8.74	8.95	—
Personal service occupations .....	8.15	8.32	7.45	8.71	6.79
Level 1 .....	6.68	6.91	—	—	6.14
Level 2 .....	6.63	6.41	—	6.51	6.79
Level 3 .....	7.39	7.63	—	7.26	7.66
Level 4 .....	9.97	9.89	—	9.97	—

<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, 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> Each occupation for which wage 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 ranking within each factor. The points are summed to determine the overall level of the occupation. See technical note for more information.

<sup>3</sup> A classification system including about 480 individual occupations is used to cover all workers in the civilian economy. Individual occupations are classified into one of nine major occupational groups.

<sup>4</sup> All workers include full-time and part-time workers. Employees are classified as working either a full-time or a part-time schedule

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

NOTE: Dashes indicate that no data were reported or that data did not meet publication criteria. Overall occupational groups and occupational levels may include data for categories not shown separately. N.E.C. means "not elsewhere classified."

NOTE: Individual and average wage rates were collected in this update survey. A procedure was put into place to "move" the positional statistics where averages were collected. This procedure compares current locality survey data—at the quote level—with the same quote from the prior survey. Individual rates from the prior survey are moved by the average change in mean wages for the occupation.

**Table B-2. Mean hourly earnings<sup>1</sup> for selected occupations and levels<sup>2</sup>, all industries, private industry, State and local government, full-time and part-time workers, Kansas City, MO-KS, August 1998**

Occupation <sup>3</sup> and level	All workers <sup>4</sup>			All industries	
	All industries	Private industry	State and local government	Full-time workers	Part-time workers
<b>White-collar occupations:</b>					
Professional specialty and technical occupations:					
Professional specialty occupations:					
Civil engineers .....	\$30.15	\$30.94	—	\$30.15	—
Electrical and electronic engineers .....	27.12	27.12	—	27.12	—
Mechanical engineers .....	23.37	23.37	—	23.37	—
Engineers, N.E.C. ....	26.01	26.23	—	26.01	—
Computer systems analysts and scientists .....	26.80	27.21	—	26.80	—
Level 9 .....	22.69	23.53	—	22.69	—
Level 10 .....	25.99	—	—	25.99	—
Level 11 .....	29.91	31.35	—	29.91	—
Level 12 .....	32.62	32.62	—	32.62	—
Operations and systems researchers and analysts .....	19.06	19.06	—	19.06	—
Physicians .....	29.55	—	—	28.46	—
Registered nurses .....	19.43	19.73	\$18.23	19.38	\$19.71
Level 7 .....	17.36	18.35	—	17.20	—
Level 8 .....	19.14	19.38	—	18.90	20.37
Level 9 .....	19.57	19.96	18.48	19.48	19.97
Pharmacists .....	27.16	27.20	—	26.95	—
Medical science teachers .....	32.24	—	—	32.27	—
Elementary school teachers .....	26.64	—	26.65	26.64	—
Level 7 .....	29.30	—	29.30	29.30	—
Level 8 .....	25.03	—	24.96	25.03	—
Secondary school teachers .....	25.93	—	25.91	25.93	—
Level 8 .....	27.81	—	—	27.81	—
Teachers, special education .....	24.96	—	24.96	24.96	—
Teachers, N.E.C. ....	22.75	—	22.77	23.47	12.10
Level 7 .....	23.56	—	23.59	23.56	—
Vocational and educational counselors .....	22.37	—	23.81	22.37	—
Librarians .....	24.98	17.28	30.01	25.49	—
Level 9 .....	20.05	—	—	20.05	—
Psychologists .....	20.61	—	—	20.61	—
Social workers .....	14.87	13.88	15.48	14.82	—
Designers .....	18.96	19.19	—	19.09	—
Technical occupations:					
Clinical laboratory technologists and technicians .....	15.95	14.99	—	15.95	—
Level 7 .....	17.21	—	—	17.21	—
Radiological technicians .....	15.99	16.08	—	16.30	—
Level 6 .....	15.02	15.13	—	15.03	—
Licensed practical nurses .....	12.75	13.07	11.27	12.76	12.56
Level 5 .....	13.01	13.02	—	13.13	—
Level 6 .....	13.04	13.13	—	13.07	—
Health technologists and technicians, N.E.C. ....	12.14	11.99	—	12.47	—
Level 7 .....	13.26	13.05	—	—	—
Electrical and electronic technicians .....	18.48	18.48	—	18.48	—
Drafters .....	14.67	14.67	—	14.67	—
Computer programmers .....	22.62	23.80	—	22.62	—
Technical and related occupations, N.E.C. ....	15.59	15.80	—	15.70	—
Executive, administrative, and managerial occupations:					
Financial managers .....	25.24	25.24	—	25.24	—
Level 12 .....	30.31	30.31	—	30.31	—
Personnel and labor relations managers .....	24.22	24.22	—	24.22	—
Managers, marketing, advertising and public relations .....	29.15	29.15	—	29.15	—
Administrators, education and related fields .....	29.91	—	30.36	30.83	—
Managers, medicine and health .....	23.02	23.02	—	23.02	—
Managers, food servicing and lodging establishments .....	25.22	25.22	—	25.22	—
Managers, service organizations, N.E.C. ....	19.62	—	—	19.62	—
Managers and administrators, N.E.C. ....	31.15	31.30	—	31.15	—
Level 9 .....	21.87	21.87	—	21.87	—
Level 11 .....	29.92	29.92	—	29.92	—
Level 12 .....	34.38	34.38	—	34.38	—
Level 13 .....	39.27	39.27	—	39.27	—

See footnotes at end of table.

**Table B-2. Mean hourly earnings<sup>1</sup> for selected occupations and levels<sup>2</sup>, all industries, private industry, State and local government, full-time and part-time workers, Kansas City, MO-KS, August 1998 — Continued**

Occupation <sup>3</sup> and level	All workers <sup>4</sup>			All industries	
	All industries	Private industry	State and local government	Full-time workers	Part-time workers
<b>White-collar occupations: (-Continued)</b>					
Executive, administrative, and managerial occupations: (-Continued)					
Managers and administrators, N.E.C. (-Continued)					
Level 14 .....	\$65.08	\$65.08	—	\$65.08	—
Accountants and auditors .....	19.46	19.46	—	19.46	—
Other financial officers .....	18.73	18.73	—	18.73	—
Management analysts .....	17.89	17.91	—	17.89	—
Personnel, training, and labor relations specialists .....					
Level 7 .....	19.84	20.46	—	19.84	—
Management related occupations, N.E.C. ....					
Level 7 .....	15.64	15.87	—	15.64	—
Level 7 .....	16.31	16.69	—	16.31	—
Sales occupations:					
Supervisors, sales occupations .....					
Level 5 .....	15.02	15.02	—	15.09	—
Level 5 .....	10.73	10.73	—	10.78	—
Advertising and related sales occupations .....	18.25	18.25	—	18.25	—
Sales occupations, other business services .....	16.27	16.27	—	17.44	—
Sales representatives, mining, manufacturing, and wholesale .....					
Level 4 .....	18.87	18.87	—	25.93	—
Sales workers, other commodities .....					
Level 4 .....	8.55	8.55	—	9.41	\$7.52
Level 4 .....	8.42	8.42	—	8.76	—
Sales counter clerks .....					
Cashiers .....	7.15	7.15	—	—	—
Level 1 .....	7.08	7.08	—	7.72	6.46
Level 1 .....	6.75	6.75	—	7.27	6.26
Level 2 .....	6.45	6.45	—	—	5.78
Level 3 .....	7.40	7.40	—	—	6.88
Administrative support occupations, including clerical:					
Supervisors, general office .....					
Supervisors, financial records processing .....	15.89	16.84	—	15.89	—
Supervisors, distribution, scheduling, and adjusting clerks .....					
Computer operators .....	12.63	12.63	—	12.73	—
Secretaries .....					
Level 4 .....	11.58	11.44	\$11.93	11.65	—
Level 5 .....	10.04	10.18	—	10.04	—
Level 5 .....	12.83	12.79	—	13.12	—
Typists .....					
Hotel clerks .....	8.91	—	—	8.92	—
Receptionists .....	7.57	7.57	—	7.57	—
Level 4 .....	9.67	9.95	—	9.72	—
Level 4 .....	9.56	9.59	—	9.59	—
Information clerks, N.E.C. ....					
Order clerks .....	10.43	10.59	—	10.55	—
Level 3 .....	11.87	11.87	—	12.10	—
Level 3 .....	9.72	9.72	—	—	—
Level 4 .....	12.61	12.61	—	12.61	—
Personnel clerks except payroll and timekeeping					
Library clerks .....	11.92	11.92	—	11.92	—
Level 4 .....	8.29	—	8.20	8.53	—
Records clerks, N.E.C. ....					
Level 3 .....	11.19	11.66	10.40	11.53	—
Level 4 .....	8.54	—	—	—	—
Level 4 .....	12.48	—	—	12.48	—
Bookkeepers, accounting and auditing clerks .....					
Level 3 .....	11.20	11.35	—	11.02	—
Level 4 .....	10.21	—	—	10.21	—
Level 4 .....	9.93	10.06	—	9.93	—
Level 5 .....	10.81	10.89	—	11.10	—
Level 6 .....	12.55	12.55	—	12.75	—
Level 7 .....	16.02	16.02	—	—	—
Billing clerks .....					
Telephone operators .....	12.99	12.99	—	12.99	—
Traffic, shipping and receiving clerks .....					
Level 4 .....	11.99	11.99	—	—	—
Level 4 .....	10.44	10.44	—	10.46	—
Level 4 .....	9.67	9.67	—	9.67	—
Stock and inventory clerks .....					
Insurance adjusters, examiners, and investigators .....	12.93	12.93	—	14.21	—
Level 4 .....	13.73	13.73	—	13.73	—
Investigators and adjusters except insurance .....					
Level 4 .....	10.40	10.40	—	11.35	—
Level 4 .....	9.50	9.50	—	9.50	—
General office clerks .....	10.76	10.73	10.85	10.96	8.09

See footnotes at end of table.



**Table B-2. Mean hourly earnings<sup>1</sup> for selected occupations and levels<sup>2</sup>, all industries, private industry, State and local government, full-time and part-time workers, Kansas City, MO-KS, August 1998 — Continued**

Occupation <sup>3</sup> and level	All workers <sup>4</sup>			All industries	
	All industries	Private industry	State and local government	Full-time workers	Part-time workers
<b>White-collar occupations: (-Continued)</b>					
Administrative support occupations, including clerical: (-Continued)					
General office clerks (-Continued)					
Level 3 .....	\$9.21	\$9.24	—	\$9.30	—
Level 4 .....	10.67	10.45	—	10.72	—
Level 5 .....	12.44	13.47	—	12.44	—
Bank tellers .....	8.75	8.75	—	8.78	\$8.55
Level 3 .....	8.55	8.55	—	—	—
Level 4 .....	9.15	9.15	—	—	—
Data entry keyers .....	10.29	10.37	—	10.22	—
Level 3 .....	9.03	—	—	9.10	—
Statistical clerks .....	13.31	13.31	—	13.31	—
Teachers' aides .....	8.52	—	\$8.52	8.50	—
Administrative support occupations, N.E.C. ....	12.53	12.58	—	12.57	—
Level 4 .....	10.98	10.98	—	10.96	—
Level 7 .....	15.66	15.66	—	15.66	—
Professional occupations, N.E.C. ....	28.41	—	—	28.41	—
<b>Blue-collar occupations:</b>					
Precision production, craft, and repair occupations:					
Supervisors, mechanics and repairers .....	18.03	18.95	—	18.03	—
Automobile mechanics .....	20.58	20.58	—	20.58	—
Bus, truck, and stationary engine mechanics .....	11.52	—	—	11.52	—
Industrial machinery repairers .....	15.44	15.44	—	15.44	—
Level 7 .....	16.11	16.11	—	16.11	—
Mechanics and repairers, N.E.C. ....	18.36	18.79	—	18.36	—
Level 7 .....	19.66	19.53	—	19.66	—
Electricians .....	19.40	20.99	—	19.40	—
Plumbers, pipefitters and steamfitters .....	22.84	22.84	—	22.84	—
Supervisors, production occupations .....	20.77	20.77	—	20.77	—
Electrical and electronic equipment assemblers ..	11.85	11.85	—	11.85	—
Machine operators, assemblers, and inspectors:					
Printing press operators .....	14.77	14.77	—	14.77	—
Packaging and filling machine operators .....	11.86	11.86	—	11.86	—
Mixing and blending machine operators .....	14.19	14.19	—	14.19	—
Miscellaneous machine operators, N.E.C. ....	9.77	9.77	—	9.77	—
Level 5 .....	11.96	11.96	—	11.96	—
Assemblers .....	17.80	17.80	—	17.83	—
Level 3 .....	20.42	20.42	—	20.42	—
Transportation and material moving occupations:					
Truck drivers .....	12.97	13.00	—	12.97	—
Level 4 .....	13.98	14.16	—	14.00	—
Level 5 .....	15.42	15.42	—	15.48	—
Level 6 .....	16.24	16.24	—	16.24	—
Bus drivers .....	10.78	9.28	—	—	10.92
Supervisors, material moving equipment .....	18.27	18.27	—	18.27	—
Industrial truck and tractor equipment operators ..	13.84	13.84	—	13.91	—
Handlers, equipment cleaners, helpers, and laborers:					
Groundskeepers and gardeners except farm .....	10.39	—	—	10.79	—
Construction laborers .....	16.25	—	—	16.25	—
Production helpers .....	8.65	8.65	—	—	—
Stock handlers and baggers .....	10.81	10.81	—	11.51	7.50
Level 1 .....	7.46	7.46	—	—	5.84
Level 3 .....	10.66	10.70	—	10.69	—
Level 4 .....	12.66	12.66	—	13.18	—
Level 5 .....	13.04	13.04	—	13.04	—
Freight, stock, and material handlers, N.E.C. ....	11.92	11.92	—	12.78	7.96
Level 3 .....	13.03	13.03	—	—	—
Level 4 .....	11.63	11.63	—	—	—
Hand packers and packagers .....	9.23	9.23	—	9.46	—
Level 1 .....	8.78	8.78	—	—	—
Laborers except construction, N.E.C. ....	8.38	8.26	—	8.75	—
Level 1 .....	6.50	6.50	—	—	—

See footnotes at end of table.

**Table B-2. Mean hourly earnings<sup>1</sup> for selected occupations and levels<sup>2</sup>, all industries, private industry, State and local government, full-time and part-time workers, Kansas City, MO-KS, August 1998 — Continued**

Occupation <sup>3</sup> and level	All workers <sup>4</sup>			All industries	
	All industries	Private industry	State and local government	Full-time workers	Part-time workers
<b>Service occupations:</b>					
Protective service occupations:					
Supervisors, police and detectives .....	\$24.38	—	\$24.38	\$24.38	—
Firefighting occupations .....	14.44	—	14.44	14.44	—
Police and detectives, public service .....	17.66	—	17.66	17.66	—
Level 9 .....	18.48	—	18.48	18.48	—
Guards and police except public service .....	9.80	\$9.27	—	10.16	—
Food service occupations:					
Supervisors, food preparation and service occupations .....	11.38	11.35	—	11.87	—
Waiters and waitresses .....	2.97	2.94	—	3.61	\$2.42
Level 1 .....	2.98	2.70	—	—	—
Level 2 .....	2.98	2.98	—	—	—
Level 3 .....	2.97	2.97	—	3.70	2.16
Cooks .....	8.98	9.10	7.44	9.16	8.35
Level 2 .....	8.20	8.23	—	7.54	—
Level 3 .....	9.34	—	—	—	—
Level 4 .....	8.53	8.53	—	8.76	—
Kitchen workers, food preparation .....	7.66	7.68	—	8.17	—
Waiters/Waitresses' assistants .....	5.25	5.25	—	—	4.74
Level 1 .....	4.12	4.12	—	—	3.96
Food preparation occupations, N.E.C. ....	6.74	6.57	7.31	6.86	6.56
Level 1 .....	6.62	6.36	—	6.71	6.39
Level 2 .....	6.95	6.86	—	—	6.95
Health service occupations:					
Health aides, except nursing .....	8.98	9.14	—	9.17	7.83
Level 3 .....	8.55	8.71	—	8.61	—
Nursing aides, orderlies and attendants .....	8.45	8.43	8.74	8.44	8.83
Level 2 .....	7.41	7.26	8.30	7.42	—
Level 3 .....	8.59	8.52	—	8.59	—
Level 4 .....	9.00	9.00	—	8.96	—
Cleaning and building service occupations:					
Supervisors, cleaning and building service workers .....	14.11	—	—	14.11	—
Maids and housemen .....	7.02	7.02	—	7.02	—
Level 1 .....	6.96	6.95	—	6.96	—
Level 2 .....	7.00	7.00	—	7.01	—
Janitors and cleaners .....	8.69	8.25	9.54	9.33	6.11
Level 1 .....	7.71	6.95	—	8.82	6.08
Level 2 .....	10.20	12.66	—	10.20	—
Level 3 .....	9.03	9.40	8.74	9.03	—
Personal service occupations:					
Attendants, amusement and recreation facilities ..	6.09	—	—	—	—
Early childhood teachers' assistants .....	7.42	7.74	—	—	—
Child care workers, N.E.C. ....	8.30	—	8.23	—	—
Service occupations, N.E.C. ....	7.25	7.31	—	6.99	7.56

<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, 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> Each occupation for which wage 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 ranking within each factor. The points are summed to determine the overall level of the occupation. See technical note for more information.

<sup>3</sup> A classification system including about 480 individual occupations is used to cover all workers in the civilian economy. Individual occupations are classified into one of nine major occupational groups.

<sup>4</sup> All workers include full-time and part-time workers. Employees are classified as working either a full-time or a part-time schedule

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

NOTE: Dashes indicate that no data were reported or that data did not meet publication criteria. Overall occupational groups and occupational levels may include data for categories not shown separately. N.E.C. means "not elsewhere classified."

NOTE: Individual and average wage rates were collected in this update survey. A procedure was put into place to "move" the positional statistics where averages were collected. This procedure compares current locality survey data—at the quote level—with the same quote from the prior survey. Individual rates from the prior survey are moved by the average change in mean wages for the occupation.

**Table C-1. Mean hourly earnings<sup>1</sup> by occupational group and selected characteristics, all industries, Kansas City, MO-KS, August 1998**

Occupational group <sup>2</sup>	Full-time workers <sup>3</sup>	Part-time workers <sup>3</sup>	Union <sup>4</sup>	Nonunion <sup>4</sup>	Time <sup>5</sup>	Incentive <sup>5</sup>
<b>All occupations</b> .....	\$16.49	\$8.06	\$17.47	\$15.34	\$15.71	\$16.31
All occupations excluding sales .....	16.69	8.41	17.48	15.73	16.04	17.18
<b>White-collar occupations</b> .....	18.89	9.79	20.47	17.96	18.06	21.68
White-collar excluding sales .....	19.52	12.27	20.51	19.02	18.93	42.87
Professional specialty and technical occupations .....	22.43	16.57	27.24	21.46	21.93	—
Professional specialty occupations .....	24.01	18.24	27.53	23.08	23.47	—
Technical occupations .....	17.19	11.72	—	16.89	16.92	—
Executive, administrative, and managerial occupations ...	27.26	—	—	27.43	26.81	37.09
Sales occupations .....	13.33	6.90	10.97	11.58	10.90	14.31
Administrative support including clerical occupations .....	11.57	9.04	12.80	11.19	11.37	—
<b>Blue-collar occupations</b> .....	14.24	7.90	16.78	11.82	14.08	12.72
Precision production, craft, and repair occupations .....	17.41	—	18.87	15.92	17.49	16.30
Machine operators, assemblers, and inspectors .....	14.53	—	18.13	10.89	14.60	11.06
Transportation and material moving occupations .....	13.38	10.00	15.39	11.95	13.37	12.86
Handlers, equipment cleaners, helpers, and laborers .....	10.85	7.20	12.61	9.33	10.47	9.77
<b>Service occupations</b> .....	10.12	5.59	13.11	8.57	9.11	—

<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, 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> A classification system including about 480 individual occupations is used to cover all workers in the civilian economy. Individual occupations are classified into one of nine major occupational groups.

<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. 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>4</sup> Union workers are those whose wages are determined through collective bargaining.

<sup>5</sup> Time workers' wages are based solely on an 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.

NOTE: Dashes indicate that no data were reported or that data did not meet publication criteria. Overall occupational groups and occupational levels may include data for categories not shown separately. N.E.C. means "not elsewhere classified."

NOTE: Individual and average wage rates were collected in this update survey. A procedure was put into place to "move" the positional statistics where averages were collected. This procedure compares current locality survey data—at the quote level—with the same quote from the prior survey. Individual rates from the prior survey are moved by the average change in mean wages for the occupation.

**Table C-2. Mean hourly earnings<sup>1</sup> by occupational group and industry division, private industry, all workers<sup>2</sup>, Kansas City, MO-KS, August 1998**

Occupational group <sup>3</sup>	All private industries	Goods-producing industries <sup>4</sup>				Service-producing industries <sup>5</sup>				
		Total	Mining	Construction	Manufacturing	Total	Transportation and public utilities	Wholesale and retail trade	Finance, insurance, and real estate	Services
<b>All occupations</b> .....	\$15.44	\$16.77	—	\$19.41	\$16.47	\$14.95	\$16.55	\$13.16	\$12.87	\$15.97
All occupations excluding sales .....	15.82	16.70	—	19.44	16.38	15.47	16.53	14.47	12.91	16.09
<b>White-collar occupations</b> .....	17.93	20.61	—	23.44	20.44	17.42	19.01	16.12	13.51	18.81
White-collar excluding sales .....	19.15	20.75	—	23.93	20.55	18.82	19.06	24.93	13.65	19.09
Professional specialty and technical occupations .....	22.00	23.53	—	—	23.68	21.69	20.56	25.76	—	21.90
Professional specialty occupations .....	24.03	25.44	—	—	25.58	23.77	22.39	26.47	—	24.01
Technical occupations .....	17.27	19.92	—	—	20.04	16.65	14.21	—	—	17.12
Executive, administrative, and managerial occupations .....	27.82	25.62	—	—	24.83	28.50	26.45	59.50	18.43	25.16
Sales occupations .....	11.58	19.15	—	—	19.25	10.87	17.57	10.36	—	11.69
Administrative support, including clerical occupations .....	11.57	13.13	—	—	13.12	11.31	13.49	10.67	10.64	10.83
<b>Blue-collar occupations</b> .....	13.97	14.92	—	18.61	14.39	12.86	13.87	12.33	—	9.04
Precision production, craft, and repair occupations .....	17.59	18.09	—	19.45	17.46	17.07	—	15.46	—	—
Machine operators, assemblers, and inspectors .....	14.47	14.79	—	—	14.81	9.32	—	10.28	—	9.01
Transportation and material moving occupations .....	13.30	14.85	—	—	12.79	12.98	13.06	13.00	—	—
Handlers, equipment cleaners, helpers, and laborers .....	10.41	11.19	—	15.79	10.53	9.93	9.60	10.76	—	7.41
<b>Service occupations</b> .....	7.84	11.76	—	—	—	7.72	16.91	5.43	8.72	8.15

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

<sup>3</sup> A classification system including about 480 individual occupations is used to cover all workers in the civilian economy. Individual occupations are classified into one of nine major occupational groups.

<sup>4</sup> Goods-producing industries include mining, construction, and manufacturing.

<sup>5</sup> Service-producing industries include transportation and public utilities; wholesale and retail trade; finance, insurance, and real estate; and services.

NOTE: Dashes indicate that no data were reported or that data did not meet publication criteria. Overall occupational groups and occupational levels may include data for categories not shown separately. N.E.C. means "not elsewhere classified."

NOTE: Individual and average wage rates were collected in this update survey. A procedure was put into place to "move" the positional statistics where averages were collected. This procedure compares current locality survey data—at the quote level—with the same quote from the prior survey. Individual rates from the prior survey are moved by the average change in mean wages for the occupation.

**Table C-3. Mean hourly earnings<sup>1</sup> by occupational group and establishment employment size, private industry, all workers<sup>2</sup>, Kansas City, MO-KS, August 1998**

Occupational group <sup>3</sup>	All private industry workers	50 - 99 workers	100 workers or more		
			Total	100 - 499 workers	500 workers or more
<b>All occupations</b> .....	\$15.44	\$11.54	\$16.33	\$14.39	\$18.28
All occupations excluding sales .....	15.82	11.59	16.71	14.85	18.39
<b>White-collar occupations</b> .....	17.93	13.94	18.70	16.67	20.66
White-collar excluding sales .....	19.15	15.14	19.77	18.27	20.94
Professional specialty and technical occupations .....	22.00	17.87	22.41	21.46	23.05
Professional specialty occupations .....	24.03	15.48	24.41	23.20	25.31
Technical occupations .....	17.27	19.02	16.83	15.28	17.61
Executive, administrative, and managerial occupations ...	27.82	22.68	28.70	24.41	32.70
Sales occupations .....	11.58	11.21	11.74	11.33	14.01
Administrative support, including clerical occupations .....	11.57	10.17	11.85	11.37	12.25
<b>Blue-collar occupations</b> .....	13.97	11.36	14.56	12.72	16.36
Precision production, craft, and repair occupations .....	17.59	13.40	18.58	18.17	18.90
Machine operators, assemblers, and inspectors .....	14.47	10.09	15.16	11.74	17.72
Transportation and material moving occupations .....	13.30	10.56	13.98	13.20	14.97
Handlers, equipment cleaners, helpers, and laborers .....	10.41	10.73	10.33	9.25	11.86
<b>Service occupations</b> .....	7.84	6.08	8.63	7.94	9.56

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

<sup>3</sup> A classification system including about 480 individual occupations is used to cover all workers in the civilian economy.

Individual occupations are classified into one of nine major occupational groups.

NOTE: Dashes indicate that no data were reported or that data did not meet publication criteria. Overall occupational groups and occupational levels may include data for categories not shown separately. N.E.C. means "not elsewhere classified."

NOTE: Individual and average wage rates were collected in this update survey. A procedure was put into place to "move" the positional statistics where averages were collected. This procedure compares current locality survey data—at the quote level—with the same quote from the prior survey. Individual rates from the prior survey are moved by the average change in mean wages for the occupation.

**Table C-4. Number of workers<sup>1</sup> represented by occupational group, Kansas City, MO-KS, August 1998**

Occupational group <sup>2</sup>	All workers		
	All industries	Private industry	State and local government
<b>All occupations</b> .....	499,881	398,149	101,731
All occupations excluding sales .....	459,100	357,369	101,731
<b>White-collar occupations</b> .....	297,156	224,257	72,898
White-collar excluding sales .....	256,375	183,477	72,898
Professional specialty and technical occupations .....	117,848	71,896	45,952
Professional specialty occupations .....	92,254	50,555	41,699
Technical occupations .....	25,594	21,341	4,253
Executive, administrative, and managerial occupations ...	43,999	36,863	7,136
Sales occupations .....	40,781	40,781	—
Administrative support including clerical occupations .....	94,528	74,718	19,810
<b>Blue-collar occupations</b> .....	125,871	118,314	7,556
Precision production, craft, and repair occupations .....	37,733	34,057	3,676
Machine operators, assemblers, and inspectors .....	31,030	31,012	—
Transportation and material moving occupations .....	18,720	16,491	2,230
Handlers, equipment cleaners, helpers, and laborers .....	38,387	36,754	1,632
<b>Service occupations</b> .....	76,854	55,578	21,277

<sup>1</sup> Both full-time and part-time workers were included in the survey. 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 establishment, where a 40-hour week is the minimum full-time schedule.

<sup>2</sup> A classification system including about 480 individual occupations is used to cover all workers in the civilian economy. Individual occupations are classified into one of nine major occupational groups.

NOTE: Dashes indicate that no data were reported or that data did not meet publication criteria. Overall occupational groups and occupational levels may include data for categories not shown separately. N.E.C. means "not elsewhere classified."

NOTE: Individual and average wage rates were collected in this update survey. A procedure was put into place to "move" the positional statistics where averages were collected. This procedure compares current locality survey data—at the quote level—with the same quote from the prior survey. Individual rates from the prior survey are moved by the average change in mean wages for the occupation.

# Appendix A: Technical Note

This section provides basic information on the procedures and concepts used to produce the data contained in this bulletin. It is divided into three parts: Planning for the survey; data collection; and processing and analyzing the data. Although this section answers some questions commonly asked by data users, it is not a comprehensive description of all the steps required to produce the data.

## Planning for the survey

The overall design of the survey includes questions of scope, frame, and sample selection.

### Survey scope

This survey covered establishments employing 50 workers or more in goods-producing industries (mining, construction and manufacturing); service-producing industries (transportation, communications, electric, gas, and sanitary services; wholesale trade; retail trade; finance, insurance, and real estate; and services industries); and State and local governments. Agriculture, private households, and the Federal Government were excluded from the scope of the survey. For purposes of this survey an establishment was an economic unit which 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 was usually at a single physical location. For State and local governments, an establishment was defined as all locations of a government entity.

The Kansas City, MO-KS, Metropolitan Statistical Area includes Cass, Clay, Clinton, Jackson, Lafayette, Platte, and Ray Counties, MO; and Johnson, Leavenworth, Miami, and Wyandotte Counties, KS.

### Sampling frame

The list of establishments from which the survey sample was selected (sampling frame) was developed from State unemployment insurance reports. 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 sampling frame was reviewed prior to the survey and, when necessary, missing establishments were added, out-of-business and out-of-scope establishments were removed, and addresses, employment levels, industry classification, and other information were updated.

### Sample design

The sample for this survey area was selected using a two stage stratified design with probability proportional to employment sampling at each stage. The first stage of sample selection was a probability sample of establishments. The sample of establishments was drawn by first stratifying the sampling frame by industry and ownership. The number of sample establishments allocated to each stratum is approximately proportional to the stratum employment. Each sampled establishment is selected within a stratum with a probability proportional to its employment. Use of this technique means that the larger an establishment's employment, the greater its chance of selection. Weights were applied to each establishment when the data were tabulated so that it represents similar units (by industry and employment size) in the economy which were not selected for collection. See appendix table 1 for a count of establishments in the survey by employment size. The second stage of sample selection, detailed below, was a probability sample of occupations within a sampled establishment.

## Data collection

The collection of data from survey respondents required detailed procedures. Collection was the responsibility of the field economists, working out of the Regional Office, who visited each establishment surveyed. Other contact methods, such as mail and telephone, were used to follow-up and update data.

### Occupational selection and classification

Identification of the occupations for which wage data were to be collected was a multi-step process:

1. Probability-proportional-to-size selection of establishment jobs.
2. Classification of jobs into occupations based on the Census of Population system.
3. Characterization of jobs as full-time v. part-time, union v. nonunion, and time v. incentive.
4. Determination of the level of work of each job.

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

In step one, the jobs to be sampled were selected at each establishment by the BLS field economist during a personal

visit. A complete list of employees was used for sampling, with each selected worker representing a job within the establishment.

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

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

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

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

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

- Professional specialty and technical
- Executive, administrative, and managerial
- Sales
- Administrative support including clerical
- Precision production, craft, and repair
- Machine operators, assemblers, and inspectors
- Transportation and material moving
- Handlers, equipment cleaners, helpers, and laborers
- Service occupations

Appendix B contains a complete list of all individual occupations, classified by the MOG to which they belong. In step three, certain other job characteristics of the chosen worker were identified. First, the worker was identified as holding either a full-time or part-time job, based on the establishment's definition of those terms. Then the worker was classified as having a time versus incentive job, depending on whether any part of pay was directly based on the actual production of the worker, rather than solely on hours worked. Finally, the worker was identified as being in a union job or a nonunion job. See the "Definition of Terms" section on the following page for more detail.

### **Generic leveling through point factor analysis**

In the last step before wage data were collected, the work level of each selected job was determined using a "generic leveling" process. Generic leveling ranks and compares all occupations randomly selected in an establishment using the same criteria. This is a major departure from the method used in the past in the Bureau's Occupational Compensation Surveys which studied specifically defined occupations with leveling definitions unique to each occupation.

For this survey, the level of each occupation in an establishment was determined by an analysis of each of 10 leveling factors. Nine of these factors are drawn from the U.S. Government Office of Personnel Management's Factor Evaluation System, which is the underlying structure for evaluation of General Schedule Federal employees. The tenth factor, supervisory duties, attempts to account for the effect of supervisory duties. It is considered experimental. The 10 factors are:

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

Each factor contains a number of levels and each level has an associated written description and point value. The number and range of points differ among the factors. For each factor, an occupation was assigned a level based on which written description best matched the job. Within each occupation, the points for 9 factors (supervisory duties was excluded) were recorded and totaled. The total determines the overall level of the occupation. Appendix table 3 presents average work levels for published occupational groups and selected occupations. A description of the levels for each factor is shown in appendix C.

Tabulations of levels of work for occupations in the survey follow the Federal Government's white-collar General Schedule. Point ranges for each of the 15 levels are shown in appendix D. It also includes an example of a leveled job and a guide to help data users evaluate jobs in their firm.

Wage data collected in prior surveys using the new generic leveling method were evaluated by BLS researchers using regression techniques. For each of the major occupational groups, wages were compared to the 10 generic level factors (and levels within those factors). The analysis showed that several of the generic level factors, most notably knowledge and supervision received, had strong explanatory power for wages. That is, as the levels within a given factor increased, the wages also increased. Detailed



research continues in the area. The results of this research will be published by BLS in the future.

### Collection period

The survey data were collected over several months. For each establishment in the survey, the data reflect the establishment's most recent information at the time of collection. The payroll reference month shown in the tables reflects the average date of this information for all sample units.

### Earnings

Earnings were defined as regular payments from the employer to the employee as compensation for straight-time hourly work, or for any salaried work performed. The following components were included as part of earnings:

- Incentive pay, including commissions, production bonuses, and piece rates
- Cost-of-living allowances
- Hazard pay
- Payments of income deferred due to participation in a salary reduction plan
- Deadhead pay, defined as pay given to transportation workers returning in a vehicle without freight or passengers

The following forms of payments were *not* considered part of straight-time earnings:

- Shift differentials, defined as extra payment for working a schedule that varies from the norm, such as night or weekend work
- Premium pay for overtime, holidays, and weekends
- Bonuses not directly tied to production (e.g., Christmas bonuses, profit-sharing bonuses)
- Uniform and tool allowances
- Free room and board
- Payments made by third parties (e.g., tips, bonuses given by manufacturers to department store salespeople, referral incentives in real estate)
- On-call pay

In order to calculate earnings for various time periods (hourly, weekly, and annual), data on work schedules were also collected. For hourly workers, scheduled hours worked per day and per week, exclusive of overtime, were recorded. Annual weeks worked were determined. Because salaried workers, exempt from overtime provisions, often work beyond the assigned work schedule, their typical number of hours actually worked was collected.

### Definition of terms

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

*Incentive worker.* Any employee whose earnings are tied, at least in part, to commissions, piece rates, production bo-

nuses, or other incentives based on production or sales.

*Level.* A ranking of an occupation based on the requirements of the position. (See the description in the technical note and the example for more details on the leveling process.)

*Nonunion worker.* An employee in an occupation not meeting the conditions for union coverage (see below).

*Part-time worker.* Any employee that the employer considers to be part-time.

*Straight-time.* Time worked at the standard rate of pay for the job.

*Time-based worker.* Any employee whose earnings are tied to an hourly rate or salary, and not to a specific level of production.

*Union worker.* Any employee is in a union occupation when all of the following conditions are met:

- A labor organization is recognized as the bargaining agent for all workers in the occupation
- Wage and salary rates are determined through collective bargaining or negotiations
- Settlement terms, which must include earnings provisions and may include benefit provisions, are embodied in a signed mutually binding collective bargaining agreement

## Processing and analyzing the data

Data were processed and analyzed at the Bureau's National Office following collection.

### Weighting and nonresponse

Sample weights were calculated for each establishment and occupation in the survey. These weights reflected the relative size of the occupation within the establishment and of the establishment within the sample universe. Weights were used to aggregate the individual establishments or occupations into the various data series. Some of the establishments surveyed could not supply or refused to supply information. If data were not provided by a sample member, the weights of responding sample members in the same or similar "cells" were adjusted to account for the missing data. This technique assumes that the mean value of the nonrespondents equals the mean value of the respondents at some detailed "cell" level. Responding and nonresponding establishments were classified into these cells according to industry and employment size. Responding and nonresponding occupations within responding establishments were classified into cells that were additionally defined by major occupation group and job level.

Establishments that were determined to be out of busi-

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

### Survey response

	Establish- ments
Total in sample	449
Responding	329
Out of business or not in survey scope	24
Unable or refused to pro- vide data	96

Some surveys may have a high nonresponse rate for the all industries or private industry iterations. Such instances are noted in the bulletin table footnotes.

### Estimation

The wage series in the tables are computed by combining the wages for individual establishment/occupations. Before being combined, individual wage rates are weighted by: number of workers; the sample weight adjusted for nonresponding establishments and other factors; and the occupation work schedule, varying depending on whether hourly, weekly, or annual rates are being calculated.

Not all series that were calculated met the criteria for publication. Before any series was published, it was reviewed to make sure that the number of observations underlying it was sufficient. This review prevented publishing a series that could have revealed information about a specific establishment.

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

### Data reliability

The data in this bulletin are estimates from a scientifically

selected probability sample. There are two types of errors possible in an estimate based on a sample survey, sampling and nonsampling.

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

A measure of the variation among these differing estimates is called the standard error or sampling error. It indicates the precision with which an estimate from a particular sample approximates the average result of all possible samples. The relative standard error (RSE) is the standard error divided by the estimate. Appendix table 2 contains RSE data for selected series in this bulletin. RSE data for all series in this bulletin are available on the Internet web site and by request to the BLS National Office.

The standard error can be used to calculate a “confidence interval” around a sample estimate. As an example, suppose table A-1 shows that mean hourly earnings for all workers was \$12.79 per hour, and appendix table 2 shows a relative standard error of 3.6 percent for this estimate. At the 90-percent level, the confidence interval for this estimate is \$13.55 to \$12.03 (\$12.79 plus and minus 1.645 times 3.6 percent times \$12.79). If all possible samples were selected to estimate the population value, the interval from each sample would include the true population value approximately 90 percent of the time.

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

**Appendix table 1. Number of establishments studied by industry division and establishment employment size, and number of establishments represented, Kansas City, MO-KS, August 1998**

Industry	Number of establishments represented	Number of establishments studied				
		Total studied	50 - 99 workers	100 workers or more		
				Total	100 - 499 workers	500 workers or more
All industries .....	2,570	319	82	237	150	87
Private industry .....	2,449	281	81	200	138	62
Goods-producing industries .....	550	67	17	50	35	15
Mining .....	4	2	2	-	-	-
Construction .....	139	11	4	7	6	1
Manufacturing .....	407	54	11	43	29	14
Service-producing industries .....	1,899	214	64	150	103	47
Transportation and public utilities .....	169	36	9	27	18	9
Wholesale and retail trade .....	825	60	28	32	27	5
Finance, insurance and real estate .....	148	19	6	13	5	8
Services .....	757	99	21	78	53	25
State and local government .....	121	38	1	37	12	25

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

**Appendix table 2. Relative standard errors of mean hourly earnings<sup>1</sup> for selected occupations, all industries, private industry, and State and local government, all workers<sup>2</sup>, Kansas City, MO-KS, August 1998**

(in percent)

Occupation <sup>3</sup>	All industries	Private industry	State and local government
<b>All occupations</b> .....	2.7	3.2	2.6
All occupations excluding sales .....	2.7	3.3	2.6
<b>White-collar occupations</b> .....	3.4	4.2	3.0
White-collar occupations excluding sales .....	3.4	4.2	3.0
Professional specialty and technical occupations .....	2.2	3.0	2.9
Professional specialty occupations .....	2.6	3.7	3.0
Engineers, architects, and surveyors .....	4.4	4.6	-
Civil engineers .....	9.3	9.6	-
Electrical and electronic engineers .....	4.7	4.7	-
Mechanical engineers .....	6.8	6.8	-
Engineers, N.E.C. ....	6.8	7.2	-
Mathematical and computer scientists .....	4.5	4.6	-
Computer systems analysts and scientists .....	4.5	4.7	-
Operations and systems researchers and analysts .....	3.8	3.8	-
Natural scientists .....	10.6	11.4	-
Health related occupations .....	6.4	7.5	6.4
Physicians .....	28.7	-	-
Registered nurses .....	1.6	1.6	3.9
Pharmacists .....	1.2	1.3	-
Teachers, college and university .....	9.2	8.4	11.2
Medical science teachers .....	16.1	-	-
Teachers, except college and university .....	2.9	9.9	2.9
Elementary school teachers .....	2.9	-	3.0
Secondary school teachers .....	5.3	-	5.4
Teachers, special education .....	2.6	-	2.6
Teachers, N.E.C. ....	4.5	-	4.6
Vocational and educational counselors .....	17.4	-	22.4
Librarians, archivists, and curators .....	16.2	4.1	11.7
Librarians .....	16.2	4.1	11.7
Social scientists and urban planners .....	16.5	-	-
Psychologists .....	19.4	-	-
Social, recreation, and religious workers .....	5.7	5.7	7.8
Social workers .....	6.2	5.5	8.2
Lawyers and judges .....	-	-	-
Writers, authors, entertainers, athletes, and professionals, N.E.C. ....	11.0	11.7	-
Designers .....	9.7	9.8	-
Professional occupations, N.E.C. ....	7.5	-	-
Technical occupations .....	4.9	5.3	4.2
Clinical laboratory technologists and technicians .....	6.3	9.2	-
Radiological technicians .....	4.4	5.1	-
Licensed practical nurses .....	2.7	2.2	9.4
Health technologists and technicians, N.E.C. ....	7.9	8.9	-
Electrical and electronic technicians .....	5.3	5.3	-
Drafters .....	6.2	6.2	-
Computer programmers .....	7.5	7.0	-
Technical and related occupations, N.E.C. ....	13.6	14.3	-
Executive, administrative, and managerial occupations ...	10.3	11.4	8.0
Executives, administrators, and managers .....	12.5	14.0	7.6
Financial managers .....	7.6	7.6	-
Personnel and labor relations managers .....	11.3	11.3	-
Managers, marketing, advertising and public relations .....	13.4	13.4	-
Administrators, education and related fields .....	6.9	-	7.2
Managers, medicine and health .....	12.7	12.7	-
Managers, food servicing and lodging establishments .....	19.0	19.0	-
Managers, service organizations, N.E.C. ....	10.5	-	-
Managers and administrators, N.E.C. ....	6.8	6.9	-
Management related occupations .....	4.8	5.3	5.3
Accountants and auditors .....	10.0	10.0	-
Other financial officers .....	22.9	22.9	-

See footnotes at end of table.

**Appendix table 2. Relative standard errors of mean hourly earnings<sup>1</sup> for selected occupations, all industries, private industry, and State and local government, all workers<sup>2</sup>, Kansas City, MO-KS, August 1998 — Continued**

(in percent)

Occupation <sup>3</sup>	All industries	Private industry	State and local government
<b>White-collar occupations (-Continued)</b>			
Executive, administrative, and managerial occupations (-Continued)			
Management related occupations (-Continued)			
Management analysts .....	3.1	3.1	—
Personnel, training, and labor relations specialists .....	6.8	6.6	—
Management related occupations, N.E.C. ....	7.8	8.5	—
Sales occupations .....	6.1	6.1	—
Supervisors, sales occupations .....	8.3	8.3	—
Advertising and related sales occupations .....	4.3	4.3	—
Sales occupations, other business services .....	10.8	10.8	—
Sales representatives, mining, manufacturing, and wholesale .....	29.6	29.6	—
Sales workers, other commodities .....	5.9	5.9	—
Sales counter clerks .....	6.9	6.9	—
Cashiers .....	3.3	3.3	—
Administrative support occupations, including clerical .....	1.9	2.1	3.7
Supervisors, general office .....	8.4	7.8	—
Supervisors, financial records processing .....	5.9	5.9	—
Supervisors, distribution, scheduling, and adjusting clerks .....	13.5	13.5	—
Computer operators .....	5.4	5.4	—
Secretaries .....	4.4	5.4	7.6
Typists .....	8.7	—	—
Hotel clerks .....	3.7	3.7	—
Receptionists .....	4.5	4.5	—
Information clerks, N.E.C. ....	6.0	10.1	—
Order clerks .....	4.8	4.8	—
Personnel clerks except payroll and timekeeping .....	4.0	4.0	—
Library clerks .....	3.8	—	4.0
Records clerks, N.E.C. ....	9.6	13.3	6.5
Bookkeepers, accounting and auditing clerks .....	4.0	4.2	—
Billing clerks .....	11.7	11.7	—
Telephone operators .....	21.9	21.9	—
Traffic, shipping and receiving clerks .....	7.4	7.4	—
Stock and inventory clerks .....	8.7	8.7	—
Insurance adjusters, examiners, and investigators .....	4.9	4.9	—
Investigators and adjusters except insurance .....	12.7	12.7	—
General office clerks .....	3.7	4.7	4.4
Bank tellers .....	1.5	1.5	—
Data entry keyers .....	7.6	8.5	—
Statistical clerks .....	5.1	5.1	—
Teachers' aides .....	2.9	—	2.9
Administrative support occupations, N.E.C. ....	7.7	7.8	—
<b>Blue-collar occupations</b> .....	2.7	2.8	5.4
Precision production, craft, and repair occupations .....	3.0	3.1	5.7
Supervisors, mechanics and repairers .....	5.3	3.8	—
Automobile mechanics .....	12.4	12.4	—
Bus, truck, and stationary engine mechanics .....	6.9	—	—
Industrial machinery repairers .....	5.0	5.0	—
Mechanics and repairers, N.E.C. ....	4.9	4.6	—
Electricians .....	10.6	10.3	—
Plumbers, pipefitters and steamfitters .....	11.9	11.9	—
Supervisors, production occupations .....	5.7	5.7	—
Electrical and electronic equipment assemblers ..	10.9	10.9	—
Machine operators, assemblers, and inspectors .....	4.4	4.4	—
Printing press operators .....	11.1	11.1	—
Packaging and filling machine operators .....	6.3	6.3	—
Mixing and blending machine operators .....	9.1	9.1	—
Miscellaneous machine operators, N.E.C. ....	6.7	6.7	—
Assemblers .....	7.2	7.2	—

See footnotes at end of table.

**Appendix table 2. Relative standard errors of mean hourly earnings<sup>1</sup> for selected occupations, all industries, private industry, and State and local government, all workers<sup>2</sup>, Kansas City, MO-KS, August 1998 — Continued**

(in percent)

Occupation <sup>3</sup>	All industries	Private industry	State and local government
<b>Blue-collar occupations (-Continued)</b>			
Transportation and material moving occupations .....	4.5	4.8	5.2
Truck drivers .....	4.5	4.6	—
Bus drivers .....	5.4	2.2	—
Supervisors, material moving equipment .....	14.6	14.6	—
Industrial truck and tractor equipment operators ..	4.6	4.6	—
Handlers, equipment cleaners, helpers, and laborers .....	4.3	4.5	5.8
Groundskeepers and gardeners except farm .....	9.3	—	—
Construction laborers .....	8.7	—	—
Production helpers .....	11.7	11.7	—
Stock handlers and baggers .....	5.2	5.2	—
Freight, stock, and material handlers, N.E.C. ....	10.7	10.7	—
Hand packers and packagers .....	8.8	8.8	—
Laborers except construction, N.E.C. ....	7.9	8.6	—
<b>Service occupations</b> .....			
Protective service occupations .....	3.6	3.8	5.3
Supervisors, police and detectives .....	5.4	17.6	4.6
Firefighting occupations .....	10.3	—	10.3
Police and detectives, public service .....	3.6	—	3.6
Guards and police except public service .....	5.2	—	5.2
Food service occupations .....	5.2	6.1	—
Supervisors, food preparation and service occupations .....	4.7	5.1	4.5
Waiters and waitresses .....	6.7	7.0	—
Cooks .....	9.7	9.9	—
Kitchen workers, food preparation .....	4.2	4.2	3.7
Waiters/Waitresses' assistants .....	7.9	8.0	—
Food preparation occupations, N.E.C. ....	15.7	16.3	—
Health service occupations .....	2.4	2.4	5.8
Health aides, except nursing .....	1.8	1.9	3.7
Nursing aides, orderlies and attendants .....	3.6	3.6	—
Cleaning and building service occupations .....	2.1	2.3	4.6
Supervisors, cleaning and building service workers .....	4.3	4.6	6.0
Maids and housemen .....	9.3	—	—
Janitors and cleaners .....	0.9	0.9	—
Personal service occupations .....	5.4	6.6	5.6
Attendants, amusement and recreation facilities ..	6.2	7.3	5.1
Early childhood teachers' assistants .....	5.6	—	—
Child care workers, N.E.C. ....	5.1	6.8	—
Service occupations, N.E.C. ....	6.0	—	7.6
Service occupations, N.E.C. ....	5.6	6.3	—

<sup>1</sup> The relative standard error is the standard error expressed as a percent of the estimate. Hourly earnings for these occupations are presented in Tables A-1 and A-2. Reliable relative standard errors could not be determined for all occupations.

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

<sup>3</sup> A classification system including about 480 individual occupations is used to cover all workers in the civilian economy. Individual occupations are

classified into one of nine major occupational groups.

NOTE: Dashes indicate that no data were reported or that data did not meet publication criteria. Overall occupational groups and occupational levels may include data for categories not shown separately. N.E.C. means "not elsewhere classified."

NOTE: Individual and average wage rates were collected in this update survey. A procedure was put into place to "move" the positional statistics where averages were collected. This procedure compares current locality survey data—at the quote level—with the same quote from the prior survey. Individual rates from the prior survey are moved by the average change in mean wages for the occupation.

**Appendix table 3. Average work levels for selected occupations, all workers, full-time and part-time workers, Kansas City, MO-KS, August 1998**

Occupation <sup>1</sup>	All workers	Full-time workers	Part-time workers
<b>All occupations</b> .....	6	6	3
All occupations excluding sales .....	6	6	3
<b>White-collar occupations</b> .....	7	7	4
White-collar occupations excluding sales .....	7	7	5
Professional specialty and technical occupations .....	8	8	7
Professional specialty occupations .....	9	9	8
Engineers, architects, and surveyors .....	10	10	—
Civil engineers .....	11	11	—
Electrical and electronic engineers .....	10	10	—
Mechanical engineers .....	9	9	—
Engineers, N.E.C. ....	11	11	—
Mathematical and computer scientists .....	10	10	—
Computer systems analysts and scientists .....	10	10	—
Operations and systems researchers and analysts .....	8	8	—
Natural scientists .....	11	11	—
Health related occupations .....	9	9	9
Physicians .....	12	12	—
Registered nurses .....	8	8	8
Pharmacists .....	9	9	—
Teachers, college and university .....	11	11	—
Medical science teachers .....	13	13	—
Teachers, except college and university .....	7	8	6
Elementary school teachers .....	8	8	—
Secondary school teachers .....	8	8	—
Teachers, special education .....	8	8	—
Teachers, N.E.C. ....	7	7	6
Vocational and educational counselors .....	8	8	—
Librarians, archivists, and curators .....	8	8	—
Librarians .....	8	8	—
Social scientists and urban planners .....	8	8	—
Psychologists .....	8	8	—
Social, recreation, and religious workers .....	7	7	—
Social workers .....	8	7	—
Lawyers and judges .....	—	—	—
Writers, authors, entertainers, athletes, and professionals, N.E.C. ....	8	9	6
Designers .....	8	8	—
Professional occupations, N.E.C. ....	11	11	—
Technical occupations .....	7	7	5
Clinical laboratory technologists and technicians .....	7	7	—
Radiological technicians .....	7	7	—
Licensed practical nurses .....	6	6	6
Health technologists and technicians, N.E.C. ....	6	6	—
Electrical and electronic technicians .....	7	7	—
Drafters .....	5	5	—
Computer programmers .....	8	8	—
Technical and related occupations, N.E.C. ....	7	7	—
Executive, administrative, and managerial occupations .....	10	10	—
Executives, administrators, and managers .....	11	11	—
Financial managers .....	10	10	—
Personnel and labor relations managers .....	10	10	—
Managers, marketing, advertising and public relations ..	11	11	—
Administrators, education and related fields .....	11	11	—
Managers, medicine and health .....	10	10	—
Managers, food servicing and lodging establishments ...	11	11	—
Managers, service organizations, N.E.C. ....	10	10	—
Managers and administrators, N.E.C. ....	11	11	—
Management related occupations .....	8	8	—
Accountants and auditors .....	8	8	—
Other financial officers .....	7	7	—
Management analysts .....	8	8	—
Personnel, training, and labor relations specialists .....	9	9	—
Management related occupations, N.E.C. ....	7	7	—
Sales occupations .....	4	5	2
Supervisors, sales occupations .....	7	8	—
Advertising and related sales occupations .....	8	8	—
Sales occupations, other business services .....	6	7	—

See footnotes at end of table.

**Appendix table 3. Average work levels for selected occupations, all workers, full-time and part-time workers, Kansas City, MO-KS, August 1998 — Continued**

Occupation <sup>1</sup>	All workers	Full-time workers	Part-time workers
<b>White-collar occupations (-Continued)</b>			
Sales occupations (-Continued)			
Sales representatives, mining, manufacturing, and wholesale .....	6	10	—
Sales workers, other commodities .....	4	4	3
Sales counter clerks .....	2	—	—
Cashiers .....	2	2	2
Administrative support occupations, including clerical .....	4	5	3
Supervisors, general office .....	7	7	—
Supervisors, financial records processing .....	8	8	—
Supervisors, distribution, scheduling, and adjusting clerks .....	7	7	—
Computer operators .....	5	6	—
Secretaries .....	5	5	—
Typists .....	4	4	—
Hotel clerks .....	3	3	—
Receptionists .....	3	3	—
Information clerks, N.E.C. ....	3	3	—
Order clerks .....	4	4	—
Personnel clerks except payroll and timekeeping .....	5	5	—
Library clerks .....	3	3	—
Records clerks, N.E.C. ....	4	4	—
Bookkeepers, accounting and auditing clerks .....	5	5	—
Billing clerks .....	5	5	—
Telephone operators .....	3	—	—
Traffic, shipping and receiving clerks .....	4	4	—
Stock and inventory clerks .....	4	5	—
Insurance adjusters, examiners, and investigators .....	6	6	—
Investigators and adjusters except insurance .....	4	5	—
General office clerks .....	4	4	2
Bank tellers .....	3	3	3
Data entry keyers .....	4	4	—
Statistical clerks .....	4	4	—
Teachers' aides .....	3	3	—
Administrative support occupations, N.E.C. ....	5	5	—
<b>Blue-collar occupations</b> .....	4	5	2
Precision production, craft, and repair occupations .....	7	7	—
Supervisors, mechanics and repairers .....	8	8	—
Automobile mechanics .....	7	7	—
Bus, truck, and stationary engine mechanics .....	5	5	—
Industrial machinery repairers .....	7	7	—
Mechanics and repairers, N.E.C. ....	7	7	—
Electricians .....	7	7	—
Plumbers, pipefitters and steamfitters .....	8	8	—
Supervisors, production occupations .....	8	8	—
Electrical and electronic equipment assemblers .....	5	5	—
Machine operators, assemblers, and inspectors .....	4	4	—
Printing press operators .....	6	6	—
Packaging and filling machine operators .....	3	3	—
Mixing and blending machine operators .....	3	3	—
Miscellaneous machine operators, N.E.C. ....	3	3	—
Assemblers .....	3	3	—
Transportation and material moving occupations .....	4	4	3
Truck drivers .....	4	4	—
Bus drivers .....	3	—	3
Supervisors, material moving equipment .....	8	8	—
Industrial truck and tractor equipment operators .....	4	4	—
Handlers, equipment cleaners, helpers, and laborers .....	3	3	2
Groundskeepers and gardeners except farm .....	3	4	—
Construction laborers .....	4	4	—
Production helpers .....	3	—	—
Stock handlers and baggers .....	3	3	2
Freight, stock, and material handlers, N.E.C. ....	3	3	2
Hand packers and packagers .....	2	2	—
Laborers except construction, N.E.C. ....	2	2	—
<b>Service occupations</b> .....	3	4	2
Protective service occupations .....	7	7	4

See footnotes at end of table.



**Appendix table 3. Average work levels for selected occupations, all workers, full-time and part-time workers, Kansas City, MO-KS, August 1998 — Continued**

Occupation <sup>1</sup>	All workers	Full-time workers	Part-time workers
<b>Service occupations (-Continued)</b>			
Protective service occupations (-Continued)			
Supervisors, police and detectives .....	10	10	—
Firefighting occupations .....	7	7	—
Police and detectives, public service .....	9	9	—
Guards and police except public service .....	4	4	—
Food service occupations .....	3	3	2
Supervisors, food preparation and service occupations .....	6	6	—
Waiters and waitresses .....	2	2	2
Cooks .....	3	3	3
Kitchen workers, food preparation .....	2	2	—
Waiters'/Waitresses' assistants .....	2	—	2
Food preparation occupations, N.E.C. ....	2	2	2
Health service occupations .....	3	3	3
Health aides, except nursing .....	3	4	3
Nursing aides, orderlies and attendants .....	3	3	4
Cleaning and building service occupations .....	2	3	1
Supervisors, cleaning and building service workers .....	6	6	—
Maids and housemen .....	2	2	—
Janitors and cleaners .....	2	3	1
Personal service occupations .....	3	3	2
Attendants, amusement and recreation facilities .....	2	—	—
Early childhood teachers' assistants .....	2	—	—
Child care workers, N.E.C. ....	3	—	—
Service occupations, N.E.C. ....	2	3	2

<sup>1</sup> A classification system including about 480 individual occupations is used to cover all workers in the civilian economy. Individual occupations are classified into one of nine major occupational groups. The occupations titled authors, musicians, actors, painters, photographers, dancers, artists, athletes, and legislators cannot be assigned a work level.

NOTE: Dashes indicate that no data were reported or that data did not meet publication criteria. Overall occupational groups and occupational levels may

include data for categories not shown separately. N.E.C. means "not elsewhere classified."

NOTE: Individual and average wage rates were collected in this update survey. A procedure was put into place to "move" the positional statistics where averages were collected. This procedure compares current locality survey data—at the quote level—with the same quote from the prior survey. Individual rates from the prior survey are moved by the average change in mean wages for the occupation.