

# Los Angeles-Riverside-Orange County, CA National Compensation Survey January 1997

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U.S. Department of Labor  
Alexis M. Herman, Secretary

Bureau of Labor Statistics  
Katharine G. Abraham, Commissioner

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# Preface

This bulletin provides results of a January 1997 survey of occupational pay in the Los Angeles-Riverside-Orange County, CA, Consolidated Metropolitan Statistical Area (CMSA). Data shown in this bulletin were collected as part of the Bureau of Labor Statistics' (BLS) new program known as the 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.

Survey data were collected and reviewed by Bureau of Labor Statistics field economists under the direction of Caryl L. O'Keefe, Assistant Regional Commissioner for Operations of the San Francisco Regional Office. 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 analyzed the survey results.

For additional information regarding this survey, please contact the BLS San Francisco Regional Office at (415) 975-4350. 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) 606-6220, or send e-mail to [ocltinfo@bls.gov](mailto:ocltinfo@bls.gov).

The data contained in this bulletin are also available at the BLS Internet site (<http://stats.bls.gov/comhome.htm>). 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.

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# Introduction

This survey of occupational pay was conducted in the Los Angeles-Riverside-Orange County, CA, Consolidated Metropolitan Statistical Area (CMSA). The CMSA includes Los Angeles, Orange, Riverside, San Bernardino, and Ventura Counties, CA.

This bulletin consists primarily of tables whose data are analyzed in the initial textual section. 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 is 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 design and products

The Bureau of Labor Statistics' (BLS) new National Compensation Survey (NCS) is designed to provide data on the levels and rates of change of occupational wages and employee benefits for localities, broad geographic regions, and the nation as a whole. One output of the NCS will be the Employment Cost Index, a quarterly measure of the change in employer costs for wages and benefits. This bulletin is limited to data on wages and salaries. These data are similar to those released under the Occupational Compensation Survey (OCS), which has been discontinued.

Due to the limited amount of time available to initiate this phase of the program, a number of companies were unable to provide complete data before the publication deadline. As a result, some surveys have a high nonresponse rate for the all industries or the private industry iterations. Such instances are noted in the bulletin table footnotes.

## NCS more extensive than OCS

The wage data in this bulletin differ from those in previous Occupational Compensation Surveys by providing broader coverage of occupations and establishments within the survey area.

Occupations surveyed for this bulletin were selected using probability techniques from a list of all those present in each establishment. Previous OCS bulletins were limited to a preselected list of occupations, which represented a small subset of all occupations in the economy. Information in the new bulletin is published for a variety of occupation-based data. This new approach includes data on broad occupational classifications such as white-collar workers, major occupational groups such as sales workers, and individual occupations such as cashiers.

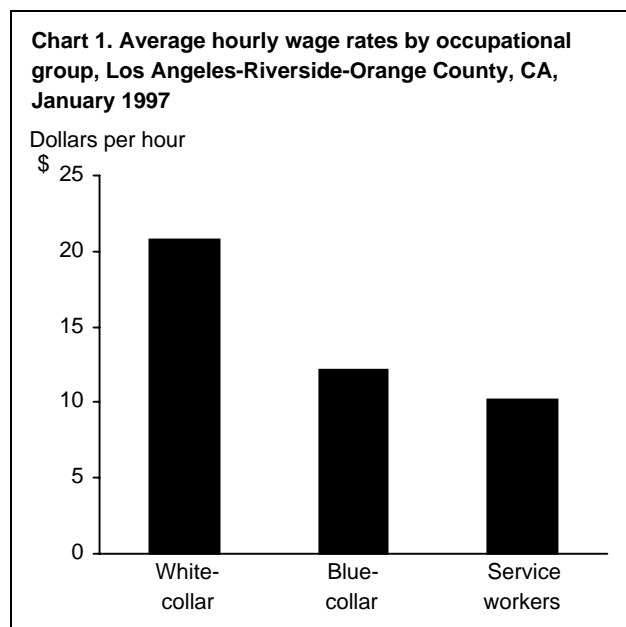
In tables containing work levels within occupational series, the work levels are derived from generic standards that *apply to all* occupational groups. The job levels in the OCS bulletins were based on narrowly-defined descriptions that were not comparable across specific occupations.

Occupational data in this bulletin are also tabulated for other classifications such as industry group, full-time versus part-time workers, union versus nonunion status, time versus incentive status, and establishment employment size. Not all of these series were generated by the OCS program.

The establishments surveyed for this bulletin were limited to those with 50 or more employees. Eventually, NCS will be expanded to cover those now-excluded establishments. Then, virtually all workers in the civilian economy will be surveyed, excluding only agriculture, private households, and employees of the Federal Government.

# Wages in the Los Angeles-Riverside-Orange County, CA Consolidated Metropolitan Statistical Area

Straight-time wages in the Los Angeles-Riverside-Orange County, CA, Consolidated Metropolitan Statistical Area averaged \$16.62 per hour during January 1997. White-collar workers had an average wage of \$20.73 per hour. Blue-collar workers averaged \$12.18 per hour, while service workers had average earnings of \$10.14 per hour. (All comparisons in this analysis cover hourly rates for both full- and part-time workers, unless otherwise noted.)



Within each of these occupational groups, average hourly wages for individual occupations varied. For example, white-collar occupations included registered nurses at \$22.78 per hour, secretaries at \$14.65, and general office clerks at \$10.99. Among occupations in the blue-collar category, industrial machinery repairers averaged \$16.92 per hour while truck drivers averaged \$11.40. Finally, service occupations included janitors and cleaners at \$7.55 per hour and waiters' and waitresses' assistants at \$5.12 per hour. Table A-1 presents earnings data for 171 detailed occupations; data for other detailed occupations surveyed could not be reported separately due to concerns about the confidentiality of survey respondents and the reliability of the data.

Survey results show that private industry workers in Los Angeles-Riverside-Orange County, CA earned \$15.59 per hour, while surveyed State and local government workers averaged \$21.35. Table A-2 reports the average hourly rate for white-collar occupations as \$20.23 in private industry and \$22.45 in State and local government. Blue-collar occupations showed an average hourly rate of \$11.76 in private industry and \$19.14 in State and local government. Service occupations within private industry averaged \$7.55 per hour while those found in State and local government averaged \$18.59.

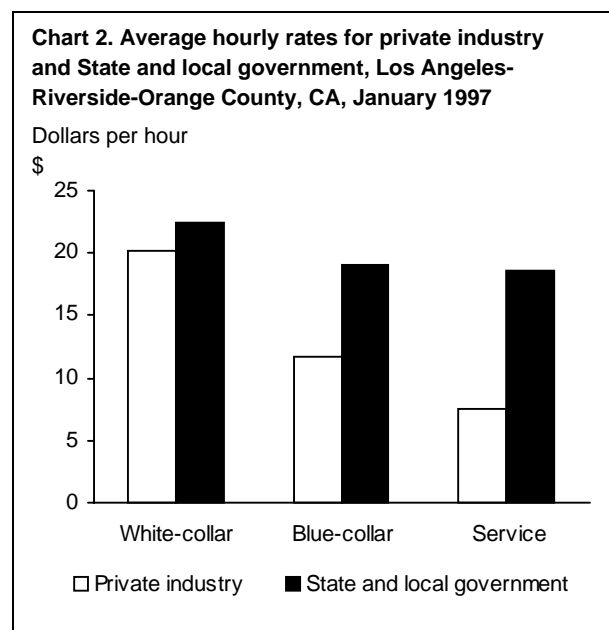
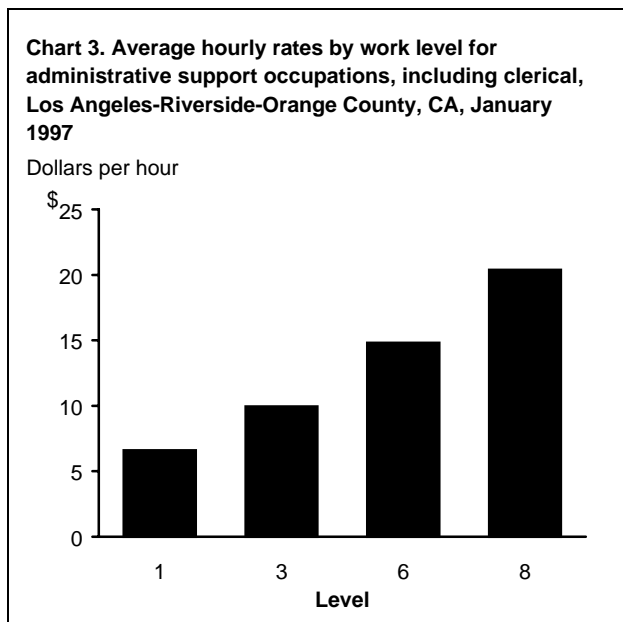


Table A-3 presents data for workers considered by the survey respondents to be either full-time or part-time. Average wages for full-time workers, all occupations, were \$17.37 per hour, compared with an average of \$9.87 per hour for part-time workers.

Data for specific work levels within major occupational groups are reported in table B-1. Occasionally, wage estimates for lower levels of work within major occupational groups are greater than estimates for higher levels. This can occur due to the mix of specific occupations (and industries) represented by the broad group as well as by the variability of the estimate. Some levels within a group may

not be published because no workers were identified at that level or because there were not enough data to guarantee confidentiality and reliability.

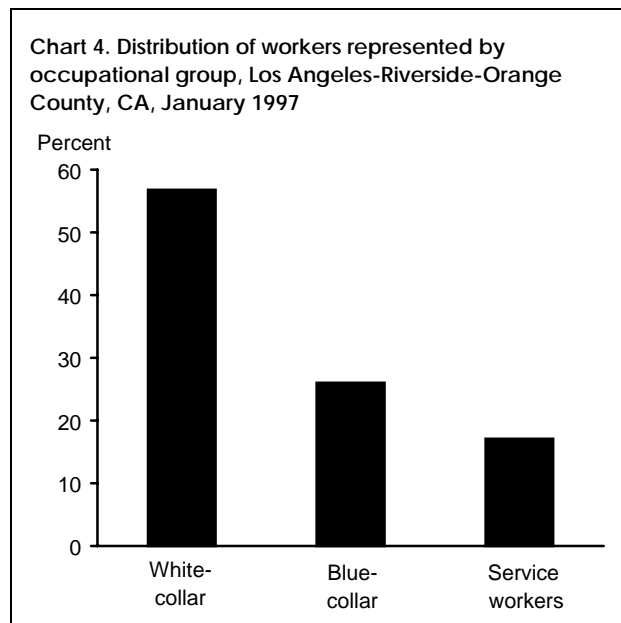
Work levels for all major groups span several levels, with professional specialty occupations and executive, administrative, and managerial occupations typically starting and ending at higher work levels than the other groups. Published data for administrative support occupations, including clerical, ranged from level 1 to level 8. As illustrated in Chart 3, the average hourly rate was \$6.59 for level 1, \$9.95 for level 3, \$14.82 for level 6, and \$20.38 for level 8.



Surveyed union workers had an average hourly rate of \$17.90, as reported in table C-1. Wages for nonunion workers averaged \$16.16. Time workers, whose wages were based solely on an hourly rate or a salary, averaged \$16.55 per hour. Incentive workers, whose wages were at least partially based on productivity payments, averaged \$18.58 per hour.

Table C-2 shows wage data for specific industry divisions within private industry. In the private sector, hourly wages averaged \$16.01 in all goods-producing industries, \$26.84 in mining, and \$15.88 in manufacturing. Data for other industry divisions did not meet publication criteria.

Table C-4 reports that a total of 3,266,422 workers were represented by the Los Angeles-Riverside-Orange County, CA survey. White-collar occupations included 1,856,121 workers, or 57 percent; blue-collar occupations included 850,500 workers, or 26 percent; and service occupations included 559,802 workers, or 17 percent.



Data are also presented in appendix table 1 on the number of establishments studied by industry group and employment size. The relative standard errors of published mean hourly earnings for all industries, private industry, and State and local government are available in appendix table 2. The average work levels for published occupational groups and selected occupations are presented in appendix table 3.

**Table A-1. Hourly earnings<sup>1</sup> for selected occupations, all workers<sup>2</sup>, all industries, Los Angeles-Riverside-Orange County, CA, January 1997**

Occupation <sup>3</sup>	All industries					
	Mean	Percentiles				
		10	25	Median 50	75	90
<b>All occupations</b> .....	\$16.62	\$6.00	\$8.40	\$13.22	\$21.25	\$30.43
All occupations excluding sales .....	16.74	6.00	8.50	13.39	21.45	30.90
<b>White-collar occupations</b> .....	20.73	8.50	11.66	16.85	25.89	36.65
White-collar occupations excluding sales .....	21.50	9.42	12.38	17.96	26.68	37.53
Professional specialty and technical occupations .....	26.37	13.62	18.63	24.23	31.88	41.91
Professional specialty occupations .....	28.36	16.31	20.72	26.25	34.19	43.61
Engineers, architects, and surveyors .....	31.24	22.60	25.33	29.23	36.10	43.25
Civil engineers .....	30.12	23.08	26.55	27.47	34.42	41.77
Industrial engineers .....	25.02	18.63	23.35	24.04	26.83	31.25
Mechanical engineers .....	28.04	22.60	26.01	30.08	32.43	33.67
Engineers, N.E.C. ....	30.56	23.65	25.39	28.90	34.78	41.00
Mathematical and computer scientists .....	29.38	19.24	22.12	27.18	34.00	45.00
Computer systems analysts and scientists .....	30.03	19.64	23.06	27.63	34.62	45.00
Operations and systems researchers and analysts .....	23.20	14.25	17.25	21.11	32.55	32.55
Natural scientists .....	25.46	17.62	21.91	25.63	31.36	31.88
Chemists, except biochemists .....	24.31	19.89	23.31	24.53	24.69	28.09
Health related occupations .....	24.13	17.00	20.00	22.60	25.56	30.00
Physicians .....	47.62	12.98	16.97	57.70	65.00	67.31
Registered nurses .....	22.78	18.00	20.00	22.73	25.06	27.49
Pharmacists .....	36.25	30.00	30.91	34.98	42.69	44.52
Respiratory therapists .....	17.91	13.75	15.14	18.36	20.53	21.13
Teachers, college and university .....	35.02	20.19	27.95	34.49	40.63	45.99
Business, commerce and marketing teachers .....	45.02	30.67	34.49	45.45	55.32	59.87
Teachers, post secondary, subject not specified ..	35.55	28.69	30.83	33.84	36.84	46.60
Teachers, post secondary N.E.C. ....	34.89	21.47	28.45	35.06	40.10	44.49
Teachers, except college and university .....	28.46	13.73	19.51	27.04	36.74	45.15
Prekindergarten and kindergarten .....	12.48	8.75	10.58	10.58	14.46	16.07
Elementary school teachers .....	29.04	15.36	21.38	27.04	37.36	45.15
Secondary school teachers .....	34.08	22.45	27.04	34.11	39.74	47.15
Teachers, special education .....	26.50	17.48	20.00	25.20	32.19	37.30
Teachers, N.E.C. ....	26.90	13.07	19.18	27.16	34.03	37.78
Vocational and educational counselors .....	28.45	12.87	18.15	22.47	40.59	49.02
Librarians, archivists, and curators .....	19.07	16.23	18.30	19.15	19.22	20.11
Social scientists and urban planners .....	26.26	15.90	18.72	20.60	31.57	42.22
Psychologists .....	25.61	15.29	18.65	20.60	33.91	42.91
Social, recreation, and religious workers .....	18.64	11.55	11.55	18.68	24.49	27.27
Social workers .....	19.36	11.55	12.90	19.19	25.83	27.27
Recreation workers .....	12.97	7.00	9.62	11.42	17.36	19.19
Lawyers and judges .....	39.35	25.62	30.92	36.03	51.42	54.54
Lawyers .....	39.35	25.62	30.92	36.03	51.42	54.54
Writers, authors, entertainers, athletes, and professionals, N.E.C. ....	30.98	12.98	16.88	27.93	38.48	50.00
Designers .....	27.60	13.29	14.42	27.00	36.25	43.45
Editors and reporters .....	42.02	15.38	21.04	32.99	80.00	80.00
Professional occupations, N.E.C. ....	21.43	14.18	16.33	21.00	25.69	28.75
Technical occupations .....	18.60	11.25	13.27	16.75	21.00	26.40
Clinical laboratory technologists and technicians .....	17.64	10.91	12.29	17.62	21.96	25.37
Radiological technicians .....	19.09	16.91	18.00	18.00	20.91	21.50
Licensed practical nurses .....	14.17	12.00	12.62	14.00	16.00	16.67
Health technologists and technicians, N.E.C. ....	14.72	10.58	11.65	15.06	16.59	20.56
Electrical and electronic technicians .....	21.09	12.86	17.00	20.19	25.50	29.09
Engineering technicians, N.E.C. ....	18.33	9.89	15.96	19.22	21.30	22.01
Drafters .....	14.98	6.50	12.00	13.27	22.93	24.71
Science technicians, N.E.C. ....	16.35	14.13	14.26	15.23	17.11	20.50
Computer programmers .....	21.04	11.30	18.75	21.75	24.98	26.68
Technical and related occupations, N.E.C. ....	25.34	15.14	17.05	20.41	25.00	40.00
Executive, administrative, and managerial occupations ...	30.01	15.50	18.63	25.64	34.54	45.67
Executives, administrators, and managers .....	34.47	15.73	21.95	29.91	40.23	50.52
Administrators and officials, public administration .....	38.70	27.17	36.36	42.99	44.74	44.74
Financial managers .....	35.75	20.19	25.64	32.47	41.80	57.69
Personnel and labor relations managers .....	31.79	16.25	21.63	31.60	38.46	40.38
Managers, marketing, advertising and public relations .....	34.54	19.23	22.96	32.47	45.67	50.52

See footnotes at end of table.

**Table A-1. Hourly earnings<sup>1</sup> for selected occupations, all workers<sup>2</sup>, all industries, Los Angeles-Riverside-Orange County, CA, January 1997 — 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)						
Executives, administrators, and managers (-Continued)						
Administrators, education and related fields .....	\$30.75	\$15.58	\$22.69	\$33.24	\$35.16	\$42.59
Managers, medicine and health .....	29.52	19.99	24.30	31.00	34.55	35.52
Managers, food servicing and lodging establishments .....	17.21	12.79	13.53	14.06	15.63	29.75
Managers, service organizations, N.E.C. ....	25.24	16.83	17.73	21.63	26.00	41.63
Managers and administrators, N.E.C. ....	37.26	15.86	21.92	29.91	43.13	61.06
Management related occupations .....	22.71	14.68	17.31	20.81	25.96	30.65
Accountants and auditors .....	20.90	15.28	17.33	20.25	24.51	26.44
Other financial officers .....	29.67	15.68	17.05	21.81	30.29	43.35
Management analysts .....	24.27	14.30	19.37	24.10	28.21	30.43
Personnel, training, and labor relations specialists .....	20.14	12.50	15.61	18.32	22.06	30.82
Purchasing agents and buyers, N.E.C. ....	20.33	13.70	17.96	19.25	21.63	27.03
Construction inspectors .....	25.42	19.26	24.95	26.51	27.07	27.32
Inspectors and compliance officers, except construction .....	23.29	16.39	20.94	23.88	24.23	28.85
Management related occupations, N.E.C. ....	21.62	13.68	16.38	19.97	26.44	31.25
Sales occupations .....	14.98	5.85	7.15	11.24	15.83	25.55
Supervisors, sales occupations .....	23.90	10.45	13.36	16.72	25.75	55.75
Sales occupations, other business services .....	13.42	11.82	11.82	11.83	14.52	15.39
Sales representatives, mining, manufacturing, and wholesale .....	28.36	16.03	20.00	26.00	32.21	42.77
Sales workers, motor vehicles and boats .....	18.63	8.82	10.26	12.86	20.79	30.51
Sales workers, apparel .....	8.14	5.30	5.75	7.00	10.00	12.05
Sales workers, furniture and home furnishings ....	8.61	6.79	7.75	8.40	9.15	10.00
Sales workers, other commodities .....	10.20	5.51	6.50	8.00	12.10	18.75
Sales counter clerks .....	7.64	5.00	5.50	6.00	11.30	11.30
Cashiers .....	9.50	5.25	6.45	8.65	11.80	15.40
Sales support occupations, N.E.C. ....	12.66	5.90	9.91	12.27	14.74	17.85
Administrative support occupations, including clerical ....	12.44	7.88	9.75	12.00	14.70	17.85
Supervisors, general office .....	16.61	12.98	14.26	16.69	18.16	19.11
Supervisors, financial records processing .....	17.67	13.40	14.94	15.75	20.76	23.08
Supervisors, distribution, scheduling, and adjusting clerks .....	18.23	10.65	14.83	17.24	24.17	26.82
Computer operators .....	17.14	12.75	13.38	16.83	23.05	23.91
Secretaries .....	14.65	10.83	12.00	14.35	16.81	19.04
Typists .....	12.64	10.00	11.50	12.99	13.85	14.29
Interviewers .....	10.07	7.61	8.75	9.42	11.26	13.58
Hotel clerks .....	9.68	5.75	6.50	8.55	14.50	14.75
Transportation ticket and reservation agents .....	11.48	7.80	9.38	11.24	13.25	15.04
Receptionists .....	9.11	6.92	7.69	8.53	10.00	12.50
Information clerks, N.E.C. ....	10.85	8.78	9.44	10.72	12.40	13.56
Order clerks .....	10.97	7.75	9.10	10.80	12.21	14.62
Personnel clerks except payroll and timekeeping .....	12.67	8.25	9.71	12.69	15.54	15.87
Library clerks .....	14.06	8.07	10.43	14.47	18.72	18.72
File clerks .....	7.46	6.25	6.50	6.72	7.53	11.50
Records clerks, N.E.C. ....	12.49	10.00	10.93	11.21	13.59	16.49
Bookkeepers, accounting and auditing clerks .....	13.00	9.86	11.44	12.50	15.00	16.52
Payroll and timekeeping clerks .....	12.88	10.58	11.24	12.50	14.50	15.30
Billing clerks .....	9.97	7.50	8.71	10.37	11.07	12.00
Telephone operators .....	9.78	6.92	8.00	8.30	11.94	15.90
Mail clerks except postal service .....	8.60	6.53	7.45	8.18	9.84	11.06
Dispatchers .....	17.14	13.71	15.66	17.95	18.93	18.93
Production coordinators .....	15.25	10.48	12.28	14.30	19.05	21.12
Traffic, shipping and receiving clerks .....	10.57	5.75	8.25	10.50	12.63	14.74
Stock and inventory clerks .....	11.07	6.95	8.24	10.53	13.85	15.40
Meter readers .....	14.62	10.67	11.43	12.19	19.47	23.11
Material recording, scheduling, and distribution clerks, N.E.C. ....	11.09	8.00	8.50	10.20	12.00	23.65

See footnotes at end of table.



**Table A-1. Hourly earnings<sup>1</sup> for selected occupations, all workers<sup>2</sup>, all industries, Los Angeles-Riverside-Orange County, CA, January 1997 — Continued**

Occupation <sup>3</sup>	All industries					
	Mean	Percentiles				
		10	25	Median 50	75	90
<b>White-collar occupations</b> (-Continued)						
Administrative support occupations, including clerical (-Continued)						
Insurance adjusters, examiners, and investigators .....	\$16.63	\$10.30	\$11.67	\$15.68	\$19.93	\$24.49
Investigators and adjusters except insurance .....	14.57	8.94	10.96	15.11	18.79	18.79
Eligibility clerks, social welfare .....	13.23	9.50	12.67	13.39	13.39	15.55
Bill and account collectors .....	11.39	8.23	8.75	11.71	13.44	15.28
General office clerks .....	10.99	7.00	8.80	11.21	13.00	15.03
Data entry keyers .....	12.00	8.00	9.62	12.96	13.70	15.49
Statistical clerks .....	10.56	6.46	7.19	11.29	13.50	15.00
Teachers' aides .....	10.50	7.14	8.53	10.31	11.64	14.74
Administrative support occupations, N.E.C. ....	13.03	8.96	10.50	12.50	15.25	18.17
<b>Blue-collar occupations</b>						
Precision production, craft, and repair occupations .....	12.18	5.44	7.00	10.15	16.50	21.56
Supervisors, mechanics and repairers .....	17.85	8.36	12.88	18.75	21.56	25.47
Automobile mechanics .....	25.50	20.19	22.10	24.51	28.98	29.31
Bus, truck, and stationary engine mechanics .....	16.49	11.00	14.00	14.42	19.06	21.34
Industrial machinery repairers .....	16.93	14.92	15.78	17.12	17.12	19.13
Machinery maintenance occupations .....	16.92	12.66	13.80	16.30	20.05	21.54
Electronic repairers, communications and industrial equipment .....	12.80	8.00	8.34	11.24	15.94	20.83
Mechanics and repairers, N.E.C. ....	20.80	17.95	21.25	21.48	21.51	21.59
Carpenters .....	14.94	7.72	10.58	14.79	17.80	22.20
Electricians .....	18.59	15.00	17.25	18.90	21.00	21.52
Painters, construction and maintenance .....	22.27	17.32	18.26	21.45	25.21	29.02
Construction trades, N.E.C. ....	12.60	5.50	5.50	13.00	19.79	19.79
Drillers, oil well .....	19.15	15.59	16.65	20.65	20.65	21.57
Supervisors, production occupations .....	16.22	12.40	13.05	15.30	19.78	20.85
Machinists .....	21.53	11.67	14.18	18.72	30.25	35.98
Electrical and electronic equipment assemblers ..	18.80	13.76	15.25	17.25	22.61	24.09
Butchers and meat cutters .....	8.46	5.50	6.00	7.00	9.86	12.60
Inspectors, testers, and graders .....	10.31	6.50	7.00	8.50	14.83	16.68
Water and sewer treatment plant operators .....	17.06	10.50	11.45	15.75	22.14	22.76
Machine operators, assemblers, and inspectors .....	20.94	18.38	18.38	21.34	21.35	24.46
Punching and stamping press operators .....	9.14	5.00	6.00	8.05	11.00	14.76
Grinding, abrading, buffing, and polishing machine operators .....	8.90	6.00	7.03	8.74	9.37	12.29
Fabricating machine operators, N.E.C. ....	8.52	5.38	6.66	7.70	11.85	11.85
Molding and casting machine operators .....	6.70	5.25	5.80	6.60	7.24	8.00
Printing press operators .....	6.71	4.75	5.20	5.70	7.80	9.84
Textile cutting machine operators .....	15.91	7.91	11.15	13.05	22.19	26.00
Textile sewing machine operators .....	9.07	5.75	7.25	9.63	11.00	12.00
Packaging and filling machine operators .....	7.01	4.82	5.44	6.89	8.24	9.55
Mixing and blending machine operators .....	9.82	6.00	6.40	9.65	11.92	14.83
Painting and paint spraying machine operators ...	9.29	5.00	6.97	8.15	10.00	12.32
Miscellaneous machine operators, N.E.C. ....	10.36	4.75	5.25	10.42	14.76	14.77
Welders and cutters .....	9.07	5.00	6.15	7.70	9.75	16.37
Assemblers .....	13.81	7.30	8.19	11.35	22.22	23.39
Miscellaneous hand working occupations, N.E.C. ...	8.38	5.00	5.50	7.67	10.46	11.78
Production inspectors, checkers and examiners ..	8.59	6.00	6.55	8.64	9.90	12.00
Transportation and material moving occupations .....	9.61	5.25	7.41	9.75	11.53	13.61
Truck drivers .....	11.31	6.50	8.00	10.34	13.99	17.35
Industrial truck and tractor equipment operators ..	11.40	6.00	7.50	10.93	14.66	17.42
Miscellaneous material moving equipment operators, N.E.C. ....	11.40	6.55	9.54	10.69	13.01	17.30
Handlers, equipment cleaners, helpers, and laborers .....	11.94	9.38	9.38	10.24	12.76	13.62
Groundskeepers and gardeners except farm .....	8.77	5.00	6.00	7.92	10.25	14.16
Supervisors, handlers, equipment cleaners, and laborers, N.E.C. ....	11.02	5.50	7.30	10.75	15.26	16.91
Helpers, mechanics and repairers .....	14.72	8.76	12.50	15.63	17.08	20.40
Construction laborers .....	10.42	5.00	5.50	10.00	14.98	18.41
Production helpers .....	9.36	7.00	8.10	8.25	9.50	14.77
Stock handlers and baggers .....	7.09	4.75	5.43	7.34	8.40	9.47
	9.37	5.00	6.00	8.00	11.50	17.56

See footnotes at end of table.

**Table A-1. Hourly earnings<sup>1</sup> for selected occupations, all workers<sup>2</sup>, all industries, Los Angeles-Riverside-Orange County, CA, January 1997 — Continued**

Occupation <sup>3</sup>	All industries					
	Mean	Percentiles				
		10	25	Median 50	75	90
<b>Blue-collar occupations (-Continued)</b>						
Handlers, equipment cleaners, helpers, and laborers (-Continued)						
Machine feeders and offbearers .....	\$9.57	\$5.15	\$6.22	\$8.70	\$12.38	\$12.70
Freight, stock, and material handlers, N.E.C. ....	8.80	4.75	5.75	8.40	10.53	14.32
Vehicle washers and equipment cleaners .....	7.34	5.25	6.00	7.26	7.50	10.00
Hand packers and packagers .....	7.42	4.90	5.00	7.00	8.82	10.22
Laborers except construction, N.E.C. ....	8.71	5.25	6.00	7.51	10.00	13.57
<b>Service occupations</b> .....						
Protective service occupations .....	16.07	5.50	7.00	15.80	23.41	27.98
Supervisors, police and detectives .....	31.38	25.85	29.51	31.15	31.67	39.10
Firefighting occupations .....	12.74	4.75	4.89	16.55	19.91	21.58
Police and detectives, public service .....	22.66	15.55	18.95	22.52	25.85	29.45
Sheriffs, bailiffs, and other law enforcement officers .....	21.05	15.80	19.76	23.41	23.41	23.41
Correctional institution officers .....	17.71	12.58	14.27	16.47	22.13	22.13
Guards and police except public service .....	7.33	4.75	6.00	6.60	8.20	10.89
Food service occupations .....	7.01	4.75	5.00	5.95	8.50	10.94
Supervisors, food preparation and service occupations .....	12.78	6.00	11.09	12.50	15.45	17.04
Bartenders .....	6.87	4.75	5.00	7.55	8.00	8.81
Waiters and waitresses .....	4.90	4.25	4.75	4.75	5.00	5.15
Cooks .....	8.75	5.50	6.50	8.50	10.90	12.25
Food counter, fountain, and related occupations .....	6.58	4.75	5.00	5.50	8.60	9.09
Kitchen workers, food preparation .....	7.65	5.60	6.50	7.40	8.69	10.11
Waiters/Waitresses' assistants .....	5.12	4.75	4.75	5.00	5.15	6.00
Food preparation occupations, N.E.C. ....	6.24	4.75	5.00	5.50	7.15	8.63
Health service occupations .....	8.44	5.83	6.50	8.07	9.64	11.74
Health aides, except nursing .....	10.45	8.00	8.65	9.93	12.60	14.29
Nursing aides, orderlies and attendants .....	8.07	5.75	6.40	7.57	9.15	10.76
Cleaning and building service occupations .....	7.65	4.75	5.50	7.10	9.09	11.72
Supervisors, cleaning and building service workers .....	10.58	6.10	6.90	10.78	13.00	15.31
Maids and housemen .....	6.57	5.00	5.50	6.21	7.75	8.20
Janitors and cleaners .....	7.55	4.75	5.35	7.10	9.02	11.37
Personal service occupations .....	9.30	5.00	5.50	7.82	10.49	14.54
Attendants, amusement and recreation facilities ..	6.77	4.75	4.75	6.00	8.00	9.80
Public transportation attendants .....	20.73	9.78	14.14	15.55	24.49	40.82
Early childhood teachers' assistants .....	8.45	7.21	7.82	8.00	9.36	10.15
Child care workers, N.E.C. ....	8.71	5.25	6.00	9.36	10.70	12.22
Service occupations, N.E.C. ....	7.33	5.00	5.00	6.00	8.00	13.41

<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. IN THIS SURVEY, THE NONRESPONSE RATE FOR ALL INDUSTRIES AND PRIVATE INDUSTRY EXCEEDED REGULAR SURVEY STANDARDS FOR PUBLICATION. ACCORDINGLY, USERS SHOULD INTERPRET THESE RESULTS WITH THIS LIMITATION IN MIND.

**Table A-2. Hourly earnings<sup>1</sup> for selected occupations, all workers<sup>2</sup>, private industry and State and local government, Los Angeles-Riverside-Orange County, CA, January 1997**

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> .....	\$15.59	\$5.50	\$7.72	\$12.00	\$19.66	\$28.88	\$21.35	\$11.01	\$13.39	\$19.22	\$26.82	\$36.03
All occupations excluding sales .....	15.64	5.50	7.75	12.05	19.95	29.01	21.36	11.02	13.39	19.24	26.82	36.03
<b>White-collar occupations</b> .....	20.23	8.00	11.09	16.07	24.93	35.23	22.45	11.22	13.39	19.38	28.30	39.08
White-collar occupations excluding sales .....	21.16	9.00	11.97	17.31	26.03	36.65	22.47	11.24	13.39	19.41	28.33	39.08
Professional specialty and technical occupations .....	25.30	12.87	17.33	23.21	30.45	40.01	28.37	16.31	20.63	26.68	35.43	43.78
Professional specialty occupations .....	27.64	15.05	20.00	25.33	32.55	42.69	29.45	17.62	21.86	27.27	36.07	45.15
Engineers, architects, and surveyors .....	31.36	22.50	25.10	29.55	36.60	43.78	29.28	26.55	27.47	27.47	29.90	32.43
Civil engineers .....	-	-	-	-	-	-	28.78	26.55	27.47	27.47	28.57	29.80
Industrial engineers .....	25.02	18.63	23.28	24.04	26.85	31.25	-	-	-	-	-	-
Mechanical engineers .....	27.61	21.25	23.02	28.40	31.97	33.67	-	-	-	-	-	-
Engineers, N.E.C. ....	30.56	23.65	25.38	28.88	34.78	41.00	-	-	-	-	-	-
Mathematical and computer scientists .....	30.31	19.14	22.75	28.51	35.00	45.00	23.28	19.64	21.27	23.06	23.06	29.89
Computer systems analysts and scientists .....	31.19	19.44	24.04	29.00	36.82	47.50	23.28	19.64	21.27	23.06	23.06	29.89
Operations and systems researchers and analysts .....	23.20	14.25	17.25	21.11	32.55	32.55	-	-	-	-	-	-
Natural scientists .....	25.38	16.20	20.00	24.69	31.36	31.88	25.61	21.91	24.53	25.77	25.77	28.09
Health related occupations .....	24.23	17.00	20.00	22.73	26.00	30.16	23.55	18.17	19.98	22.00	23.33	27.55
Physicians .....	54.57	16.97	41.10	57.70	67.31	81.92	-	-	-	-	-	-
Registered nurses .....	22.81	17.57	20.00	22.74	25.28	27.84	22.56	19.36	20.96	22.25	23.41	26.40
Pharmacists .....	36.20	30.00	30.91	34.96	42.69	44.52	-	-	-	-	-	-
Respiratory therapists .....	17.82	13.75	15.14	18.36	20.53	21.12	-	-	-	-	-	-
Teachers, college and university .....	35.57	17.00	22.56	34.38	44.87	57.74	34.84	22.51	29.57	34.70	39.24	44.49
Teachers, post secondary, subject not specified .....	-	-	-	-	-	-	35.70	28.23	30.14	33.14	36.84	48.40
Teachers, post secondary N.E.C. ....	-	-	-	-	-	-	35.48	23.89	30.54	35.31	40.28	44.49
Teachers, except college and university .....	14.66	9.56	10.58	13.07	16.07	24.23	31.01	18.72	22.83	29.18	38.66	47.15
Elementary school teachers .....	13.66	9.85	10.57	13.27	15.29	17.51	30.19	18.60	22.47	27.74	38.33	45.23
Secondary school teachers .....	20.92	15.05	16.83	19.79	24.23	28.09	34.74	23.79	27.28	34.88	40.69	47.15
Teachers, N.E.C. ....	16.55	9.56	11.00	14.86	21.46	26.98	30.73	19.18	23.45	32.24	35.74	43.13
Vocational and educational counselors .....	-	-	-	-	-	-	32.65	19.06	19.91	29.73	47.15	49.02
Librarians, archivists, and curators .....	-	-	-	-	-	-	-	-	-	-	-	-
Social scientists and urban planners .....	-	-	-	-	-	-	28.71	14.49	16.31	28.96	41.91	43.78
Social, recreation, and religious workers .....	-	-	-	-	-	-	19.38	11.55	12.90	19.19	25.83	27.27
Social workers .....	-	-	-	-	-	-	19.61	11.55	12.90	19.91	27.27	27.27
Lawyers and judges .....	-	-	-	-	-	-	-	-	-	-	-	-
Writers, authors, entertainers, athletes, and professionals, N.E.C. ....	31.31	12.20	17.30	28.95	38.48	50.00	-	-	-	-	-	-
Designers .....	27.60	13.29	14.42	27.00	36.25	43.45	-	-	-	-	-	-
Editors and reporters .....	42.02	15.38	21.04	32.99	80.00	80.00	-	-	-	-	-	-
Professional occupations, N.E.C. ....	21.30	13.94	17.03	21.98	25.69	27.23	-	-	-	-	-	-
Technical occupations .....	18.70	11.15	13.00	16.67	20.99	27.00	18.07	13.10	15.29	17.22	21.43	24.71
Clinical laboratory technologists and technicians .....	17.69	10.81	12.74	17.62	21.24	25.53	-	-	-	-	-	-
Radiological technicians .....	19.09	16.91	18.00	18.00	20.91	21.50	-	-	-	-	-	-
Licensed practical nurses .....	14.13	12.00	12.59	13.75	16.00	16.67	-	-	-	-	-	-
Health technologists and technicians, N.E.C. ....	13.83	10.07	11.15	13.01	16.35	19.53	-	-	-	-	-	-
Electrical and electronic technicians .....	20.91	12.82	16.76	20.19	25.00	29.09	-	-	-	-	-	-
Engineering technicians, N.E.C. ....	17.63	9.89	14.31	19.00	21.13	22.85	-	-	-	-	-	-
Drafters .....	11.45	6.50	8.17	12.00	13.27	14.00	-	-	-	-	-	-
Science technicians, N.E.C. ....	-	-	-	-	-	-	15.59	13.78	14.26	14.36	16.82	18.41
Technical and related occupations, N.E.C. ....	28.20	14.96	17.05	21.65	30.08	45.00	18.47	15.29	16.91	18.38	20.41	22.33
Executive, administrative, and managerial occupations .....	30.80	15.50	19.10	26.00	35.09	47.98	25.81	15.73	18.06	24.51	33.22	39.45
Executives, administrators, and managers .....	35.47	16.83	22.50	29.91	41.49	53.85	28.85	13.53	15.73	29.94	37.03	44.49
Administrators and officials, public administration .....	-	-	-	-	-	-	38.70	27.17	36.36	42.99	44.74	44.74
Financial managers .....	35.63	20.19	25.64	32.47	41.53	61.06	38.31	27.25	31.79	41.92	45.23	45.23

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, Los Angeles-Riverside-Orange County, CA, January 1997 — 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)													
Personnel and labor relations managers .....	\$31.06	\$16.25	\$21.45	\$31.60	\$38.46	\$43.50	-	-	-	-	-	-	-
Managers, marketing, advertising and public relations .....	35.08	18.27	24.04	35.23	46.15	50.52	-	-	-	-	-	-	-
Administrators, education and related fields .....	24.28	14.20	15.58	22.50	26.81	48.08	\$34.92	\$25.33	\$31.98	\$34.10	\$37.51	\$41.54	-
Managers, medicine and health .....	29.86	19.99	24.85	31.80	34.55	36.22	-	-	-	-	-	-	-
Managers, food servicing and lodging establishments .....	19.83	13.27	14.06	15.40	29.33	29.75	-	-	-	-	-	-	-
Managers, service organizations, N.E.C. ....	25.56	16.83	17.73	21.63	26.00	41.63	-	-	-	-	-	-	-
Managers and administrators, N.E.C. ....	38.82	17.50	22.73	30.00	43.75	61.54	24.30	15.73	15.73	21.09	29.94	37.03	37.03
Management related occupations .....	22.99	14.40	16.90	21.20	26.44	31.25	21.30	16.99	18.32	19.97	24.51	25.08	25.08
Accountants and auditors .....	20.69	14.90	17.12	20.19	23.50	26.75	21.69	16.74	17.98	24.51	25.08	25.08	25.08
Other financial officers .....	29.67	15.68	17.05	21.81	30.29	43.35	-	-	-	-	-	-	-
Management analysts .....	24.35	14.07	17.87	24.30	28.21	30.59	-	-	-	-	-	-	-
Personnel, training, and labor relations specialists .....	21.21	11.95	13.94	20.75	25.47	35.14	-	-	-	-	-	-	-
Purchasing agents and buyers, N.E.C. ....	20.33	13.70	17.96	19.25	21.63	27.46	-	-	-	-	-	-	-
Construction inspectors .....	-	-	-	-	-	-	24.98	19.26	24.99	26.51	26.51	27.07	27.07
Management related occupations, N.E.C. ....	21.71	13.41	16.15	20.81	26.87	31.25	21.09	18.03	19.97	19.97	19.97	24.10	24.10
Sales occupations .....	15.00	5.85	7.10	11.24	15.83	25.55	-	-	-	-	-	-	-
Supervisors, sales occupations .....	23.90	10.45	13.36	16.72	25.75	55.75	-	-	-	-	-	-	-
Sales occupations, other business services .....	13.42	11.82	11.82	11.83	14.52	15.39	-	-	-	-	-	-	-
Sales representatives, mining, manufacturing, and wholesale .....	28.36	16.03	20.00	26.00	32.21	42.77	-	-	-	-	-	-	-
Sales workers, motor vehicles and boats .....	18.63	8.82	10.26	12.86	20.79	30.51	-	-	-	-	-	-	-
Sales workers, apparel .....	8.14	5.30	5.75	7.00	10.00	12.05	-	-	-	-	-	-	-
Sales workers, furniture and home furnishings .....	8.61	6.79	7.75	8.40	9.15	10.00	-	-	-	-	-	-	-
Sales workers, other commodities .....	10.20	5.51	6.50	8.00	12.10	18.75	-	-	-	-	-	-	-
Sales counter clerks .....	7.64	5.00	5.50	6.00	11.30	11.30	-	-	-	-	-	-	-
Cashiers .....	9.49	5.25	6.35	8.55	11.80	15.40	-	-	-	-	-	-	-
Sales support occupations, N.E.C. ....	12.66	5.90	9.91	12.27	14.74	17.85	-	-	-	-	-	-	-
Administrative support occupations, including clerical .....	12.15	7.50	9.24	11.71	14.50	17.87	13.42	9.80	11.21	13.02	14.99	17.85	17.85
Supervisors, general office .....	15.94	12.98	13.85	15.58	18.14	18.94	17.79	14.26	15.57	17.74	18.16	19.29	19.29
Supervisors, financial records processing .....	17.67	13.40	14.94	15.75	20.76	23.08	-	-	-	-	-	-	-
Supervisors, distribution, scheduling, and adjusting clerks .....	16.44	10.65	11.54	15.00	20.00	24.17	-	-	-	-	-	-	-
Computer operators .....	17.14	12.75	13.38	16.83	23.05	23.91	-	-	-	-	-	-	-
Secretaries .....	14.59	10.50	11.75	14.13	16.58	19.56	14.91	11.88	12.53	15.15	17.73	17.73	17.73
Interviewers .....	10.02	7.61	8.75	9.27	11.00	13.58	-	-	-	-	-	-	-
Hotel clerks .....	9.68	5.75	6.50	8.55	14.50	14.75	-	-	-	-	-	-	-
Transportation ticket and reservation agents .....	11.48	7.80	9.38	11.24	13.25	15.04	-	-	-	-	-	-	-
Receptionists .....	8.99	6.92	7.50	8.50	10.00	11.73	-	-	-	-	-	-	-
Information clerks, N.E.C. ....	10.85	8.75	9.42	10.68	12.40	13.58	-	-	-	-	-	-	-
Order clerks .....	10.48	7.60	8.96	10.26	12.08	13.03	-	-	-	-	-	-	-
Personnel clerks except payroll and timekeeping .....	12.67	8.25	9.71	12.69	15.54	15.87	-	-	-	-	-	-	-
Library clerks .....	-	-	-	-	-	-	11.65	8.07	8.07	12.25	14.35	15.32	15.32
File clerks .....	7.46	6.25	6.50	6.72	7.53	11.50	-	-	-	-	-	-	-
Records clerks, N.E.C. ....	12.91	9.00	10.42	11.00	15.17	19.79	12.00	11.21	11.21	11.21	12.61	14.28	14.28

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, Los Angeles-Riverside-Orange County, CA, January 1997 — 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 (-Continued)</b>												
Administrative support occupations, including clerical (-Continued)												
Bookkeepers, accounting and auditing clerks .....	\$12.72	\$9.53	\$11.18	\$12.42	\$14.19	\$15.94	\$15.39	\$12.14	\$13.51	\$15.06	\$17.96	\$18.65
Payroll and timekeeping clerks .....	13.21	10.58	11.64	14.00	14.50	15.30	-	-	-	-	-	-
Billing clerks .....	9.97	7.50	8.71	10.37	11.07	12.00	-	-	-	-	-	-
Telephone operators .....	8.25	6.92	7.75	8.23	9.28	9.50	-	-	-	-	-	-
Mail clerks except postal service .....	8.61	6.53	7.12	8.18	9.84	11.06	-	-	-	-	-	-
Production coordinators .....	15.28	10.00	12.28	14.30	19.05	21.12	-	-	-	-	-	-
Traffic, shipping and receiving clerks .....	10.57	5.75	8.25	10.50	12.63	14.74	-	-	-	-	-	-
Stock and inventory clerks .....	10.95	6.95	8.24	10.53	13.85	15.40	-	-	-	-	-	-
Material recording, scheduling, and distribution clerks, N.E.C. ....	11.09	8.00	8.50	10.20	12.00	23.65	-	-	-	-	-	-
Insurance adjusters, examiners, and investigators .....	16.63	10.30	11.67	15.68	19.93	24.49	-	-	-	-	-	-
Investigators and adjusters except insurance .....	14.37	8.94	10.95	14.42	18.79	18.79	-	-	-	-	-	-
Eligibility clerks, social welfare .....	-	-	-	-	-	-	13.44	12.67	13.39	13.39	13.39	14.54
Bill and account collectors .....	11.00	8.00	8.63	11.25	13.00	14.27	-	-	-	-	-	-
General office clerks .....	9.82	6.10	7.50	9.59	12.00	13.66	12.47	9.80	11.13	11.83	13.64	15.74
Data entry keyers .....	11.68	7.56	8.76	11.50	14.77	16.01	-	-	-	-	-	-
Statistical clerks .....	10.56	6.46	7.19	11.29	13.50	15.00	-	-	-	-	-	-
Teachers' aides .....	-	-	-	-	-	-	10.52	8.28	8.70	10.31	11.64	14.41
Administrative support occupations, N.E.C. ....	12.31	8.12	10.32	12.00	14.26	17.69	16.02	12.49	14.41	14.86	19.19	20.03
<b>Blue-collar occupations</b>												
Precision production, craft, and repair occupations												
Supervisors, mechanics and repairers .....	17.41	8.00	12.50	18.00	21.56	24.09	21.88	15.60	18.38	21.00	26.81	27.96
Automobile mechanics .....	25.41	20.19	22.69	24.51	28.98	29.09	-	-	-	-	-	-
Industrial machinery repairers .....	16.29	11.00	13.50	14.42	18.98	21.00	-	-	-	-	-	-
Machinery maintenance occupations .....	15.93	12.50	13.80	16.30	18.75	20.05	-	-	-	-	-	-
Mechanics and repairers, N.E.C. ....	12.80	8.00	8.34	11.24	15.94	20.83	-	-	-	-	-	-
Carpenters .....	14.37	6.50	10.58	14.30	17.67	21.08	17.25	7.72	14.16	17.46	20.41	26.81
Electricians .....	18.02	13.50	16.50	18.90	20.58	21.52	-	-	-	-	-	-
Painters, construction and maintenance .....	22.30	17.32	19.53	20.21	23.67	29.02	22.23	16.79	17.64	21.45	25.49	27.84
Construction trades, N.E.C. ....	9.84	5.50	5.50	6.50	14.00	17.45	-	-	-	-	-	-
Drillers, oil well .....	-	-	-	-	-	-	16.69	14.85	15.59	16.04	17.37	20.58
Supervisors, production occupations ..	16.22	12.40	13.05	15.30	19.78	20.85	-	-	-	-	-	-
Machinists .....	21.07	11.16	13.77	18.42	27.47	35.98	-	-	-	-	-	-
Electrical and electronic equipment assemblers .....	18.80	13.76	15.25	17.25	22.61	24.09	-	-	-	-	-	-
Butchers and meat cutters .....	8.46	5.50	6.00	7.00	9.86	12.60	-	-	-	-	-	-
Inspectors, testers, and graders .....	10.31	6.50	7.00	8.50	14.83	16.68	-	-	-	-	-	-
Water and sewer treatment plant operators .....	16.91	10.40	11.42	15.75	22.14	22.76	-	-	-	-	-	-
Machine operators, assemblers, and inspectors .....	-	-	-	-	-	-	20.98	18.38	18.38	21.34	21.35	24.46
Punching and stamping press operators .....	9.08	5.00	6.00	8.02	11.00	14.32	-	-	-	-	-	-
Grinding, abrading, buffing, and polishing machine operators .....	8.90	6.00	7.03	8.74	9.37	12.29	-	-	-	-	-	-
Fabricating machine operators, N.E.C. ....	8.52	5.38	6.66	7.70	11.85	11.85	-	-	-	-	-	-
Molding and casting machine operators .....	6.70	5.25	5.80	6.60	7.24	8.00	-	-	-	-	-	-
Printing press operators .....	6.71	4.75	5.20	5.70	7.80	9.84	-	-	-	-	-	-
Textile cutting machine operators .....	15.91	7.91	11.15	13.05	22.19	26.00	-	-	-	-	-	-
Textile sewing machine operators .....	9.07	5.75	7.25	9.63	11.00	12.00	-	-	-	-	-	-
Packaging and filling machine operators .....	7.01	4.82	5.44	6.89	8.24	9.55	-	-	-	-	-	-
	9.82	6.00	6.40	9.65	11.92	14.83	-	-	-	-	-	-

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, Los Angeles-Riverside-Orange County, CA, January 1997 — 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</b> (-Continued)													
Machine operators, assemblers, and inspectors (-Continued)													
Mixing and blending machine operators .....	\$9.29	\$5.00	\$6.97	\$8.15	\$10.00	\$12.32	-	-	-	-	-	-	-
Painting and paint spraying machine operators .....	10.36	4.75	5.25	10.42	14.76	14.77	-	-	-	-	-	-	-
Miscellaneous machine operators, N.E.C. ....	8.66	5.00	6.15	7.70	9.64	14.00	-	-	-	-	-	-	-
Welders and cutters .....	13.01	7.30	8.05	10.86	17.00	23.39	-	-	-	-	-	-	-
Assemblers .....	8.38	5.00	5.50	7.67	10.46	11.78	-	-	-	-	-	-	-
Miscellaneous hand working occupations, N.E.C. ....	8.59	6.00	6.55	8.64	9.90	12.00	-	-	-	-	-	-	-
Production inspectors, checkers and examiners .....	9.61	5.25	7.41	9.75	11.53	13.61	-	-	-	-	-	-	-
Transportation and material moving occupations .....	10.80	6.18	7.75	10.08	13.43	16.79	\$15.55	\$8.00	\$12.61	\$15.56	\$17.35	\$21.54	
Truck drivers .....	10.90	5.85	7.00	10.30	14.28	17.42	-	-	-	-	-	-	-
Industrial truck and tractor equipment operators .....	11.40	6.55	9.54	10.69	13.01	17.30	-	-	-	-	-	-	-
Miscellaneous material moving equipment operators, N.E.C. ....	10.43	9.38	9.38	10.14	10.34	12.90	-	-	-	-	-	-	-
Handlers, equipment cleaners, helpers, and laborers .....	8.53	5.00	6.00	7.80	10.00	13.53	14.51	10.00	12.17	13.57	15.95	19.49	
Groundskeepers and gardeners except farm .....	9.03	5.25	6.00	10.75	11.05	11.05	-	-	-	-	-	-	-
Supervisors, handlers, equipment cleaners, and laborers, N.E.C. ....	14.72	8.76	12.50	15.63	17.08	20.40	-	-	-	-	-	-	-
Construction laborers .....	9.27	7.00	8.10	8.25	9.00	14.77	-	-	-	-	-	-	-
Production helpers .....	7.09	4.75	5.43	7.34	8.40	9.47	-	-	-	-	-	-	-
Stock handlers and baggers .....	9.37	5.00	6.00	8.00	11.50	17.56	-	-	-	-	-	-	-
Machine feeders and offbearers .....	9.57	5.15	6.22	8.70	12.38	12.70	-	-	-	-	-	-	-
Freight, stock, and material handlers, N.E.C. ....	8.80	4.75	5.75	8.40	10.53	14.32	-	-	-	-	-	-	-
Vehicle washers and equipment cleaners .....	7.34	5.25	6.00	7.26	7.50	10.00	-	-	-	-	-	-	-
Hand packers and packagers .....	7.42	4.90	5.00	7.00	8.82	10.22	-	-	-	-	-	-	-
Laborers except construction, N.E.C. ....	8.10	5.05	5.85	7.20	9.15	12.56	13.93	10.00	12.17	13.57	15.22	21.18	
<b>Service occupations</b> .....	7.55	4.75	5.25	6.62	8.55	11.12	18.59	9.09	11.72	18.59	24.19	29.51	
Protective service occupations .....	7.75	4.75	6.00	6.75	8.49	11.26	21.67	12.58	17.81	22.13	25.35	31.15	
Supervisors, police and detectives .....	-	-	-	-	-	-	31.38	25.85	29.51	31.15	31.67	39.10	
Firefighting occupations .....	-	-	-	-	-	-	12.74	4.75	4.89	16.55	19.91	21.58	
Police and detectives, public service ..	-	-	-	-	-	-	22.66	15.55	18.95	22.52	25.85	29.45	
Sheriffs, bailiffs, and other law enforcement officers .....	-	-	-	-	-	-	21.05	15.80	19.76	23.41	23.41	23.41	
Correctional institution officers .....	-	-	-	-	-	-	17.71	12.58	14.27	16.47	22.13	22.13	
Guards and police except public service .....	7.11	4.75	6.00	6.50	7.75	10.30	-	-	-	-	-	-	-
Food service occupations .....	6.75	4.75	5.00	5.50	7.72	10.50	9.76	8.14	9.09	9.09	11.09	11.17	
Supervisors, food preparation and service occupations .....	13.38	6.00	11.32	15.00	15.47	17.79	-	-	-	-	-	-	-
Bartenders .....	6.87	4.75	5.00	7.55	8.00	8.81	-	-	-	-	-	-	-
Waiters and waitresses .....	4.90	4.25	4.75	4.75	5.00	5.15	-	-	-	-	-	-	-
Cooks .....	8.69	5.50	6.50	8.35	10.50	12.25	-	-	-	-	-	-	-
Food counter, fountain, and related occupations .....	5.92	4.75	5.00	5.21	6.70	7.60	-	-	-	-	-	-	-
Kitchen workers, food preparation .....	7.31	5.50	6.50	7.30	8.25	9.30	10.20	6.74	9.30	10.11	10.43	13.38	
Waiters/Waitresses' assistants .....	5.12	4.75	4.75	5.00	5.15	6.00	-	-	-	-	-	-	-
Food preparation occupations, N.E.C. ....	6.01	4.75	5.00	5.50	6.55	8.25	8.92	7.69	7.97	8.45	9.61	11.17	
Health service occupations .....	8.17	5.75	6.40	7.88	9.27	10.69	11.90	8.93	10.54	12.16	14.29	14.30	
Health aides, except nursing .....	9.49	7.79	8.33	9.45	10.23	12.48	-	-	-	-	-	-	-
Nursing aides, orderlies and attendants .....	7.98	5.68	6.30	7.43	9.00	10.67	10.22	8.30	8.93	10.09	11.56	12.40	

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, Los Angeles-Riverside-Orange County, CA, January 1997 — 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>												
Cleaning and building service occupations .....	\$7.24	\$4.75	\$5.40	\$6.65	\$8.16	\$10.47	\$11.37	\$8.86	\$10.10	\$11.42	\$12.60	\$13.41
Supervisors, cleaning and building service workers .....	10.25	6.10	6.90	10.50	12.60	14.88	—	—	—	—	—	—
Maids and housemen .....	6.57	5.00	5.50	6.21	7.75	8.20	—	—	—	—	—	—
Janitors and cleaners .....	7.08	4.75	5.17	6.65	8.05	10.00	11.18	8.78	9.90	11.37	12.12	13.30
Personal service occupations .....	9.23	4.98	5.50	7.60	10.49	14.54	9.90	6.40	7.82	9.36	10.99	11.87
Attendants, amusement and recreation facilities .....	6.70	4.75	4.75	6.00	8.00	9.80	—	—	—	—	—	—
Public transportation attendants .....	20.73	9.78	14.14	15.55	24.49	40.82	—	—	—	—	—	—
Early childhood teachers' assistants ..	—	—	—	—	—	—	8.79	5.78	7.21	9.36	9.85	10.85
Child care workers, N.E.C. ....	8.13	5.15	5.50	7.00	10.49	12.48	—	—	—	—	—	—
Service occupations, N.E.C. ....	6.97	5.00	5.00	6.00	8.00	10.47	—	—	—	—	—	—

<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. IN THIS SURVEY, THE NONRESPONSE RATE FOR ALL INDUSTRIES AND PRIVATE INDUSTRY EXCEEDED REGULAR SURVEY STANDARDS FOR PUBLICATION. ACCORDINGLY, USERS SHOULD INTERPRET THESE RESULTS WITH THIS LIMITATION IN MIND.

**Table A-3. Hourly earnings<sup>1</sup> for selected occupations, full-time and part-time workers<sup>2</sup>, all industries, Los Angeles-Riverside-Orange County, CA, January 1997**

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> .....	\$17.37	\$6.25	\$9.07	\$14.04	\$21.77	\$31.30	\$9.87	\$4.87	\$5.50	\$7.65	\$10.69	\$17.22
All occupations excluding sales .....	17.37	6.25	9.07	14.20	21.98	31.36	10.26	4.75	5.50	8.00	11.00	19.51
<b>White-collar occupations</b> .....	21.54	9.50	12.34	17.73	26.49	37.75	12.68	5.55	7.14	9.50	15.17	25.48
White-collar occupations excluding sales .....	21.99	10.00	12.75	18.46	27.04	38.46	14.94	7.14	8.31	11.02	18.36	28.90
Professional specialty and technical occupations .....	26.74	13.85	19.00	24.53	32.15	42.44	21.77	9.92	15.13	20.00	26.42	35.74
Professional specialty occupations .....	28.72	16.59	21.11	26.55	34.55	44.08	23.85	11.72	18.00	22.00	29.14	35.74
Engineers, architects, and surveyors .....	31.30	22.60	25.33	29.23	36.13	43.27	-	-	-	-	-	-
Civil engineers .....	30.12	23.08	26.55	27.47	34.42	41.77	-	-	-	-	-	-
Industrial engineers .....	25.02	18.63	23.35	24.04	26.83	31.25	-	-	-	-	-	-
Mechanical engineers .....	27.88	22.30	26.01	29.25	32.43	33.67	-	-	-	-	-	-
Engineers, N.E.C. ....	30.56	23.65	25.39	28.90	34.78	41.00	-	-	-	-	-	-
Mathematical and computer scientists .....	29.38	19.24	22.12	27.18	34.00	45.00	-	-	-	-	-	-
Computer systems analysts and scientists .....	30.03	19.64	23.06	27.63	34.62	45.00	-	-	-	-	-	-
Operations and systems researchers and analysts .....	23.20	14.25	17.25	21.11	32.55	32.55	-	-	-	-	-	-
Natural scientists .....	25.46	17.62	21.91	25.63	31.36	31.88	-	-	-	-	-	-
Chemists, except biochemists .....	24.31	19.89	23.31	24.53	24.69	28.09	-	-	-	-	-	-
Health related occupations .....	24.20	16.97	19.96	22.57	25.00	30.16	23.85	18.36	20.00	22.84	26.25	30.00
Physicians .....	47.54	12.98	16.97	57.70	65.00	67.31	-	-	-	-	-	-
Registered nurses .....	22.74	17.75	20.61	22.76	24.78	27.08	22.92	18.92	20.00	22.23	26.25	27.93
Respiratory therapists .....	17.84	13.75	14.72	18.39	20.53	20.86	-	-	-	-	-	-
Teachers, college and university .....	35.89	21.47	29.61	35.06	41.60	48.08	31.46	16.30	25.44	33.17	38.77	41.20
Teachers, post secondary, subject not specified .....	35.60	28.23	31.07	33.84	36.84	46.60	-	-	-	-	-	-
Teachers, post secondary N.E.C. ....	35.95	24.71	30.94	35.53	39.88	44.49	30.94	16.28	19.12	31.25	40.88	42.09
Teachers, except college and university .....	28.84	13.73	19.96	27.28	37.23	47.15	23.06	16.50	17.22	19.51	31.50	35.74
Elementary school teachers .....	29.09	15.59	21.38	27.04	37.37	45.15	-	-	-	-	-	-
Secondary school teachers .....	34.15	22.47	27.04	34.11	39.76	47.15	-	-	-	-	-	-
Teachers, special education .....	26.50	17.48	20.00	25.20	32.19	37.30	-	-	-	-	-	-
Teachers, N.E.C. ....	26.40	13.07	19.18	25.38	33.30	42.52	28.56	11.72	20.00	32.53	35.74	36.24
Vocational and educational counselors .....	28.50	12.87	18.15	22.32	41.27	49.02	-	-	-	-	-	-
Librarians, archivists, and curators .....	19.07	16.23	18.30	19.15	19.22	20.11	-	-	-	-	-	-
Social scientists and urban planners .....	25.52	15.90	18.72	20.60	30.15	42.17	-	-	-	-	-	-
Psychologists .....	24.70	15.29	18.65	20.60	31.57	42.22	-	-	-	-	-	-
Social, recreation, and religious workers .....	18.76	11.55	11.68	18.68	24.49	27.27	-	-	-	-	-	-
Social workers .....	19.36	11.55	12.90	19.19	25.83	27.27	-	-	-	-	-	-
Lawyers and judges .....	39.35	25.62	30.92	36.03	51.42	54.54	-	-	-	-	-	-
Lawyers .....	39.35	25.62	30.92	36.03	51.42	54.54	-	-	-	-	-	-
Writers, authors, entertainers, athletes, and professionals, N.E.C. ....	32.71	13.75	19.95	30.00	38.92	50.53	18.35	5.86	7.87	8.98	30.56	36.00
Designers .....	27.60	13.29	14.42	27.00	36.25	43.45	-	-	-	-	-	-
Editors and reporters .....	42.02	15.38	21.04	32.99	80.00	80.00	-	-	-	-	-	-
Professional occupations, N.E.C. ....	20.66	13.94	16.15	20.43	25.64	27.12	-	-	-	-	-	-
Technical occupations .....	18.99	11.49	13.69	17.05	21.43	26.70	13.75	9.02	11.30	13.33	16.00	17.98
Clinical laboratory technologists and technicians .....	17.71	10.91	12.29	17.86	21.96	25.50	-	-	-	-	-	-
Radiological technicians .....	19.27	15.60	18.00	18.61	20.91	22.72	-	-	-	-	-	-
Licensed practical nurses .....	14.16	12.00	12.60	13.99	16.00	16.67	14.19	12.00	12.85	14.12	15.50	16.11
Health technologists and technicians, N.E.C. ....	14.91	10.63	11.93	15.76	16.75	20.56	13.33	7.86	11.00	12.50	15.06	21.00
Electrical and electronic technicians .....	21.15	12.86	17.35	20.19	25.88	29.09	-	-	-	-	-	-
Engineering technicians, N.E.C. ....	18.33	9.89	15.96	19.22	21.30	22.01	-	-	-	-	-	-
Drafters .....	14.98	6.50	12.00	13.27	22.93	24.71	-	-	-	-	-	-
Science technicians, N.E.C. ....	16.34	13.78	14.26	15.18	17.11	21.16	-	-	-	-	-	-
Technical and related occupations, N.E.C. ....	25.51	15.23	17.05	20.41	25.00	40.00	-	-	-	-	-	-
Executive, administrative, and managerial occupations .....	29.95	15.50	18.58	25.64	34.33	45.67	36.83	18.90	30.00	33.71	50.00	50.00

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, Los Angeles-Riverside-Orange County, CA, January 1997 — 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 .....	\$34.39	\$15.73	\$21.85	\$29.81	\$40.06	\$50.52	\$43.02	\$30.00	\$33.71	\$46.21	\$50.00	\$50.00
Administrators and officials, public administration .....	38.70	27.17	36.36	42.99	44.74	44.74	-	-	-	-	-	-
Financial managers .....	35.80	20.19	25.64	32.47	41.80	60.10	-	-	-	-	-	-
Personnel and labor relations managers .....	31.79	16.25	21.63	31.60	38.46	40.38	-	-	-	-	-	-
Managers, marketing, advertising and public relations .....	34.54	19.23	22.96	32.47	45.67	50.52	-	-	-	-	-	-
Administrators, education and related fields .....	29.99	15.58	22.50	31.66	34.57	40.65	-	-	-	-	-	-
Managers, medicine and health .....	29.34	19.99	24.30	28.77	34.55	35.67	-	-	-	-	-	-
Managers, food servicing and lodging establishments .....	17.21	12.79	13.53	14.06	15.63	29.75	-	-	-	-	-	-
Managers, service organizations, N.E.C. ....	23.00	16.83	17.73	21.35	26.00	38.76	-	-	-	-	-	-
Managers and administrators, N.E.C. ....	37.26	15.86	21.92	29.91	43.13	61.06	-	-	-	-	-	-
Management related occupations .....	22.70	14.64	17.25	20.81	25.93	30.65	-	-	-	-	-	-
Accountants and auditors .....	20.79	15.28	17.31	20.19	24.51	26.44	-	-	-	-	-	-
Other financial officers .....	29.67	15.68	17.05	21.81	30.29	43.35	-	-	-	-	-	-
Management analysts .....	24.27	14.30	19.37	24.10	28.21	30.43	-	-	-	-	-	-
Personnel, training, and labor relations specialists .....	20.14	12.50	15.61	18.32	22.06	30.82	-	-	-	-	-	-
Purchasing agents and buyers, N.E.C. ....	20.33	13.70	17.96	19.25	21.63	27.03	-	-	-	-	-	-
Construction inspectors .....	25.42	19.26	24.95	26.51	27.07	27.32	-	-	-	-	-	-
Inspectors and compliance officers, except construction .....	23.29	16.39	20.94	23.88	24.23	28.85	-	-	-	-	-	-
Management related occupations, N.E.C. ....	21.67	13.41	16.38	19.97	26.44	31.25	-	-	-	-	-	-
Sales occupations .....	17.35	6.50	9.20	12.49	17.83	29.55	7.89	5.15	5.97	6.75	9.00	11.80
Supervisors, sales occupations .....	23.90	10.45	13.36	16.72	25.75	55.75	-	-	-	-	-	-
Sales occupations, other business services .....	13.74	11.82	11.83	11.83	14.52	15.39	-	-	-	-	-	-
Sales representatives, mining, manufacturing, and wholesale .....	28.36	16.03	20.00	26.00	32.21	42.77	-	-	-	-	-	-
Sales workers, motor vehicles and boats .....	18.63	8.82	10.26	12.86	20.79	30.51	-	-	-	-	-	-
Sales workers, apparel .....	8.79	5.50	6.00	8.51	10.12	13.02	-	-	-	-	-	-
Sales workers, furniture and home furnishings .....	-	-	-	-	-	-	8.02	6.10	7.00	8.00	9.00	9.35
Sales workers, other commodities .....	11.17	6.30	7.00	9.29	13.91	20.34	7.03	5.25	5.87	6.50	7.50	9.52
Cashiers .....	9.88	5.75	6.50	9.00	13.73	15.60	9.11	5.00	5.97	8.16	11.33	15.40
Sales support occupations, N.E.C. ....	13.34	9.50	10.30	12.75	15.00	19.05	-	-	-	-	-	-
Administrative support occupations, including clerical .....	12.78	8.21	10.24	12.40	15.00	18.14	9.48	6.40	7.55	9.06	10.92	13.30
Supervisors, general office .....	16.62	12.98	14.26	16.69	18.16	19.11	-	-	-	-	-	-
Supervisors, financial records processing .....	17.67	13.40	14.94	15.75	20.76	23.08	-	-	-	-	-	-
Supervisors, distribution, scheduling, and adjusting clerks .....	18.23	10.65	14.83	17.24	24.17	26.82	-	-	-	-	-	-
Computer operators .....	17.14	12.75	13.38	16.83	23.05	23.91	-	-	-	-	-	-
Secretaries .....	14.79	10.96	12.00	14.42	16.98	19.09	11.61	7.50	11.00	12.00	12.87	13.30
Typists .....	12.64	10.00	11.50	12.99	13.85	14.29	-	-	-	-	-	-
Interviewers .....	10.07	7.61	8.75	9.42	11.26	13.58	-	-	-	-	-	-
Transportation ticket and reservation agents .....	11.41	7.93	9.38	11.24	13.25	14.88	-	-	-	-	-	-
Receptionists .....	9.28	7.00	8.00	8.98	10.10	12.50	7.74	5.00	5.00	7.50	7.85	15.06
Information clerks, N.E.C. ....	11.16	8.79	9.70	11.15	12.42	13.52	10.23	5.50	9.30	9.50	11.54	13.56
Order clerks .....	11.16	7.75	9.18	11.00	12.38	14.62	-	-	-	-	-	-

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, Los Angeles-Riverside-Orange County, CA, January 1997 — 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)												
Personnel clerks except payroll and timekeeping .....	\$12.67	\$8.25	\$9.71	\$12.69	\$15.54	\$15.87	-	-	-	-	-	-
Library clerks .....	14.31	8.07	10.43	15.01	18.72	18.72	-	-	-	-	-	-
File clerks .....	7.47	6.25	6.50	6.72	7.00	11.50	-	-	-	-	-	-
Records clerks, N.E.C. ....	12.64	10.56	11.00	11.21	13.59	16.49	-	-	-	-	-	-
Bookkeepers, accounting and auditing clerks .....	13.09	10.00	11.54	12.54	15.00	16.83	-	-	-	-	-	-
Payroll and timekeeping clerks .....	12.88	10.58	11.24	12.50	14.50	15.30	-	-	-	-	-	-
Telephone operators .....	9.88	6.92	8.00	9.00	11.94	15.90	-	-	-	-	-	-
Mail clerks except postal service .....	8.61	6.53	7.50	8.18	9.84	11.06	-	-	-	-	-	-
Dispatchers .....	17.57	15.45	16.53	17.95	18.93	18.93	-	-	-	-	-	-
Production coordinators .....	15.25	10.48	12.28	14.30	19.05	21.12	-	-	-	-	-	-
Traffic, shipping and receiving clerks .....	10.65	5.75	8.48	10.66	12.65	14.79	-	-	-	-	-	-
Stock and inventory clerks .....	11.34	6.98	9.15	10.53	14.80	15.48	\$9.59	\$5.25	\$7.22	\$10.37	\$10.92	\$13.61
Insurance adjusters, examiners, and investigators .....	16.63	10.30	11.67	15.68	19.93	24.49	-	-	-	-	-	-
Investigators and adjusters except insurance .....	14.66	8.94	11.25	15.56	18.79	18.79	-	-	-	-	-	-
Eligibility clerks, social welfare .....	13.23	9.50	12.67	13.39	13.39	15.55	-	-	-	-	-	-
Bill and account collectors .....	11.39	8.23	8.75	11.71	13.44	15.28	-	-	-	-	-	-
General office clerks .....	11.35	7.17	9.37	11.28	13.15	15.74	8.44	5.00	6.40	8.00	10.00	12.52
Data entry keyers .....	12.11	8.00	10.00	13.26	13.70	15.49	-	-	-	-	-	-
Statistical clerks .....	10.65	6.50	7.19	11.29	13.50	15.00	-	-	-	-	-	-
Teachers' aides .....	10.54	8.00	10.31	10.31	10.31	12.32	10.48	7.14	8.28	9.58	11.87	14.74
Administrative support occupations, N.E.C. ....	13.50	9.80	10.92	12.73	15.80	18.51	6.96	4.25	5.00	7.00	8.10	10.61
<b>Blue-collar occupations</b>												
Precision production, craft, and repair occupations .....	12.42	5.50	7.15	10.44	16.96	21.56	8.09	5.00	5.95	7.50	9.74	12.35
Supervisors, mechanics and repairers .....	17.90	8.50	13.00	18.81	21.56	25.49	10.78	7.72	7.72	10.00	14.83	14.83
Automobile mechanics .....	25.50	20.19	22.10	24.51	28.98	29.31	-	-	-	-	-	-
Bus, truck, and stationary engine mechanics .....	16.52	11.00	14.00	14.42	19.06	21.34	-	-	-	-	-	-
Industrial machinery repairers .....	16.93	14.92	15.78	17.12	17.12	19.13	-	-	-	-	-	-
Machinery maintenance occupations .....	16.92	12.66	13.80	16.30	20.05	21.54	-	-	-	-	-	-
Electronic repairers, communications and industrial equipment .....	12.80	8.00	8.34	11.24	15.94	20.83	-	-	-	-	-	-
Mechanics and repairers, N.E.C. ....	20.80	17.95	21.25	21.48	21.51	21.59	-	-	-	-	-	-
Carpenters .....	15.11	8.50	11.09	15.04	17.80	22.43	-	-	-	-	-	-
Electricians .....	18.59	15.00	17.25	18.90	21.00	21.52	-	-	-	-	-	-
Painters, construction and maintenance .....	22.27	17.32	18.26	21.45	25.21	29.02	-	-	-	-	-	-
Construction trades, N.E.C. ....	12.60	5.50	5.50	13.00	19.79	19.79	-	-	-	-	-	-
Drillers, oil well .....	19.15	15.59	16.65	20.65	20.65	21.57	-	-	-	-	-	-
Supervisors, production occupations ..	16.22	12.40	13.05	15.30	19.78	20.85	-	-	-	-	-	-
Machinists .....	21.53	11.67	14.18	18.72	30.25	35.98	-	-	-	-	-	-
Electrical and electronic equipment assemblers .....	18.80	13.76	15.25	17.25	22.61	24.09	-	-	-	-	-	-
Butchers and meat cutters .....	8.46	5.50	6.00	7.00	9.86	12.60	-	-	-	-	-	-
Inspectors, testers, and graders .....	10.09	6.50	7.00	8.00	14.69	16.68	-	-	-	-	-	-
Water and sewer treatment plant operators .....	17.06	10.50	11.45	15.75	22.14	22.76	-	-	-	-	-	-
Machine operators, assemblers, and inspectors .....	20.94	18.38	18.38	21.34	21.35	24.46	-	-	-	-	-	-
Punching and stamping press operators .....	9.17	5.00	6.00	8.11	11.00	14.76	-	-	-	-	-	-
Grinding, abrading, buffing, and polishing machine operators .....	8.90	6.00	7.03	8.74	9.37	12.29	-	-	-	-	-	-
	8.52	5.38	6.66	7.70	11.85	11.85	-	-	-	-	-	-

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, Los Angeles-Riverside-Orange County, CA, January 1997 — 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>Blue-collar occupations (-Continued)</b>												
Machine operators, assemblers, and inspectors (-Continued)												
Fabricating machine operators, N.E.C. ....	\$6.70	\$5.25	\$5.80	\$6.60	\$7.24	\$8.00	-	-	-	-	-	-
Molding and casting machine operators .....	6.98	5.20	5.45	5.95	8.35	9.84	-	-	-	-	-	-
Printing press operators .....	15.91	7.91	11.15	13.05	22.19	26.00	-	-	-	-	-	-
Textile cutting machine operators .....	9.07	5.75	7.25	9.63	11.00	12.00	-	-	-	-	-	-
Textile sewing machine operators .....	7.01	4.82	5.44	6.89	8.24	9.55	-	-	-	-	-	-
Packaging and filling machine operators .....	9.82	6.00	6.40	9.65	11.92	14.83	-	-	-	-	-	-
Mixing and blending machine operators .....	9.29	5.00	6.97	8.15	10.00	12.32	-	-	-	-	-	-
Painting and paint spraying machine operators .....	10.36	4.75	5.25	10.42	14.76	14.77	-	-	-	-	-	-
Miscellaneous machine operators, N.E.C. ....	9.07	5.00	6.15	7.70	9.75	16.37	-	-	-	-	-	-
Welders and cutters .....	13.81	7.30	8.19	11.35	22.22	23.39	-	-	-	-	-	-
Assemblers .....	8.39	5.00	5.50	7.67	10.53	11.78	-	-	-	-	-	-
Miscellaneous hand working occupations, N.E.C. ....	8.59	6.00	6.55	8.64	9.90	12.00	-	-	-	-	-	-
Production inspectors, checkers and examiners .....	9.61	5.25	7.41	9.75	11.53	13.61	-	-	-	-	-	-
Transportation and material moving occupations .....	11.69	6.27	8.25	10.63	14.54	17.71	-	-	-	-	-	-
Truck drivers .....	11.46	6.00	7.50	11.20	15.00	18.12	\$10.49	\$5.85	\$7.10	\$9.79	\$13.92	\$13.92
Industrial truck and tractor equipment operators .....	11.70	8.00	9.79	10.69	13.96	17.71	-	-	-	-	-	-
Miscellaneous material moving equipment operators, N.E.C. ....	12.03	9.38	9.38	10.24	12.78	25.63	-	-	-	-	-	-
Handlers, equipment cleaners, helpers, and laborers .....	8.94	5.00	6.00	8.03	10.62	14.77	7.66	5.00	5.50	6.57	8.48	12.35
Groundskeepers and gardeners except farm .....	11.68	6.50	10.00	10.75	15.26	18.21	-	-	-	-	-	-
Supervisors, handlers, equipment cleaners, and laborers, N.E.C. ....	14.72	8.76	12.50	15.63	17.08	20.40	-	-	-	-	-	-
Helpers, mechanics and repairers .....	10.42	5.00	5.50	10.00	14.98	18.41	-	-	-	-	-	-
Construction laborers .....	9.24	7.00	8.10	8.25	9.00	13.90	-	-	-	-	-	-
Production helpers .....	7.10	4.75	5.48	7.34	8.44	9.47	-	-	-	-	-	-
Stock handlers and baggers .....	9.59	4.75	6.00	8.75	11.24	17.56	8.96	5.45	6.40	7.40	12.29	14.05
Machine feeders and offbearers .....	9.57	5.15	6.22	8.70	12.38	12.70	-	-	-	-	-	-
Freight, stock, and material handlers, N.E.C. ....	8.93	4.75	6.00	8.48	10.83	14.83	-	-	-	-	-	-
Vehicle washers and equipment cleaners .....	7.37	5.25	6.00	7.26	7.50	10.00	-	-	-	-	-	-
Hand packers and packagers .....	7.50	5.00	5.25	7.00	8.82	10.22	6.56	4.75	4.75	5.00	7.15	10.22
Laborers except construction, N.E.C. ....	9.43	5.50	6.00	8.20	12.31	15.22	6.70	5.00	5.70	6.57	7.77	8.00
<b>Service occupations</b>												
Protective service occupations .....	11.13	5.00	6.21	8.25	13.13	22.78	6.37	4.75	4.89	5.50	7.50	9.45
Supervisors, police and detectives .....	16.73	6.00	7.50	17.69	23.41	28.75	5.85	4.75	4.89	5.50	6.25	6.75
Police and detectives, public service ..	31.38	25.85	29.51	31.15	31.67	39.10	-	-	-	-	-	-
Sheriffs, bailiffs, and other law enforcement officers .....	22.76	15.55	19.14	22.77	25.85	29.45	-	-	-	-	-	-
Correctional institution officers .....	21.05	15.80	19.76	23.41	23.41	23.41	-	-	-	-	-	-
Guards and police except public service .....	17.71	12.58	14.27	16.47	22.13	22.13	-	-	-	-	-	-
Food service occupations .....	7.44	4.75	6.00	6.75	8.49	10.97	-	-	-	-	-	-
Supervisors, food preparation and service occupations .....	7.66	4.90	5.20	6.75	9.09	11.54	5.73	4.70	4.75	5.00	5.75	8.14
Waiters and waitresses .....	13.32	10.87	11.09	12.50	15.45	17.04	-	-	-	-	-	-
Cooks .....	5.12	4.75	4.75	5.00	5.00	5.25	4.74	4.25	4.75	4.75	4.75	5.00
	8.91	5.50	6.75	8.85	11.00	12.55	-	-	-	-	-	-

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, Los Angeles-Riverside-Orange County, CA, January 1997 — 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)												
Food counter, fountain, and related occupations .....	\$6.66	\$4.75	\$5.10	\$5.50	\$9.09	\$9.09	\$6.46	\$4.75	\$5.00	\$5.50	\$7.35	\$9.79
Kitchen workers, food preparation .....	7.31	5.50	6.50	7.30	8.25	9.30	10.20	6.74	9.30	10.11	10.43	13.38
Waiters'/Waitresses' assistants .....	5.27	4.75	4.79	5.00	5.25	6.55	5.03	4.75	4.75	4.89	5.00	5.50
Food preparation occupations, N.E.C. ....	6.67	5.00	5.15	6.05	7.38	9.52	5.50	4.75	4.75	5.00	5.50	7.77
Health service occupations .....	8.40	5.89	6.40	7.85	9.73	11.79	8.67	5.51	7.50	9.00	9.64	11.09
Health aides, except nursing .....	10.79	8.17	8.90	10.09	12.67	14.30	9.79	6.50	8.25	9.64	11.09	13.05
Nursing aides, orderlies and attendants .....	8.07	5.80	6.40	7.43	9.25	11.11	8.04	5.40	6.11	9.00	9.00	9.50
Cleaning and building service occupations .....	7.93	5.00	5.80	7.22	9.50	11.99	6.17	4.75	4.75	5.50	7.19	8.50
Supervisors, cleaning and building service workers .....	10.58	6.10	6.90	10.78	13.00	15.31	—	—	—	—	—	—
Maids and housemen .....	6.66	5.15	5.50	6.21	7.75	8.20	—	—	—	—	—	—
Janitors and cleaners .....	7.87	4.90	5.70	7.22	9.38	11.72	6.22	4.75	4.85	5.50	7.50	8.78
Personal service occupations .....	10.98	4.75	7.20	9.00	13.10	16.01	7.08	5.00	5.15	6.40	8.65	10.42
Attendants, amusement and recreation facilities .....	—	—	—	—	—	—	7.17	5.25	5.50	6.78	8.65	10.13
Public transportation attendants .....	20.73	9.78	14.14	15.55	24.49	40.82	—	—	—	—	—	—
Early childhood teachers' assistants ..	—	—	—	—	—	—	8.55	5.89	7.69	8.94	9.36	10.85
Child care workers, N.E.C. ....	—	—	—	—	—	—	7.54	5.15	5.50	6.75	9.45	11.58
Service occupations, N.E.C. ....	8.57	5.00	6.00	7.20	10.00	14.58	6.02	5.00	5.00	5.25	6.40	8.25

<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. IN THIS SURVEY, THE NONRESPONSE RATE FOR ALL INDUSTRIES AND PRIVATE INDUSTRY EXCEEDED REGULAR SURVEY STANDARDS FOR PUBLICATION. ACCORDINGLY, USERS SHOULD INTERPRET THESE RESULTS WITH THIS LIMITATION IN MIND.

**Table A-4. Weekly and annual earnings<sup>1</sup> and hours for selected occupations, full-time workers only<sup>2</sup>, all industries, Los Angeles-Riverside-Orange County, CA, January 1997**

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> .....	39.7	\$689	\$560	2,017	\$35,043	\$29,119
All occupations excluding sales .....	39.7	689	565	2,015	35,000	29,245
<b>White-collar occupations</b> .....	39.7	854	709	1,991	42,893	35,872
White-collar occupations excluding sales .....	39.6	872	734	1,983	43,621	37,128
Professional specialty and technical occupations .....	38.7	1,035	955	1,843	49,269	45,906
Professional specialty occupations .....	38.7	1,110	1,031	1,803	51,771	48,526
Engineers, architects, and surveyors .....	40.3	1,261	1,176	2,096	65,592	61,131
Civil engineers .....	40.0	1,205	1,099	2,080	62,660	57,138
Industrial engineers .....	40.3	1,009	962	2,097	52,488	50,003
Mechanical engineers .....	41.0	1,143	1,170	2,131	59,418	60,840
Engineers, N.E.C. ....	40.0	1,222	1,156	2,080	63,556	60,112
Mathematical and computer scientists .....	40.1	1,178	1,087	2,086	61,274	56,534
Computer systems analysts and scientists .....	40.1	1,205	1,096	2,086	62,650	56,992
Operations and systems researchers and analysts .....	40.0	928	844	2,080	48,258	43,909
Natural scientists .....	39.9	1,017	1,025	2,076	52,877	53,310
Chemists, except biochemists .....	39.7	966	981	2,067	50,246	51,022
Health related occupations .....	38.5	932	862	1,991	48,180	44,512
Physicians .....	40.0	1,902	2,308	1,980	94,153	120,016
Registered nurses .....	38.2	870	866	1,981	45,049	45,040
Respiratory therapists .....	38.5	686	708	2,001	35,696	36,804
Teachers, college and university .....	38.5	1,382	1,335	1,561	56,010	53,869
Teachers, post secondary, subject not specified ..	40.0	1,424	1,354	1,660	59,090	50,501
Teachers, post secondary N.E.C. ....	37.8	1,359	1,335	1,562	56,172	54,370
Teachers, except college and university .....	35.8	1,031	1,037	1,396	40,246	40,741
Elementary school teachers .....	35.6	1,036	1,011	1,349	39,238	38,975
Secondary school teachers .....	34.3	1,171	1,201	1,274	43,503	45,078
Teachers, special education .....	39.3	1,043	1,008	1,790	47,435	48,214
Teachers, N.E.C. ....	36.3	959	958	1,466	38,702	37,729
Vocational and educational counselors .....	36.6	1,042	1,088	1,581	45,075	49,304
Librarians, archivists, and curators .....	43.1	823	804	2,217	42,277	41,829
Social scientists and urban planners .....	39.1	998	824	1,837	46,869	42,848
Psychologists .....	39.0	962	824	1,796	44,350	42,848
Social, recreation, and religious workers .....	40.0	750	747	2,079	38,992	38,854
Social workers .....	40.0	774	768	2,079	40,237	39,915
Lawyers and judges .....	42.9	1,689	1,441	2,232	87,816	74,942
Lawyers .....	42.9	1,689	1,441	2,232	87,816	74,942
Writers, authors, entertainers, athletes, and professionals, N.E.C. ....	42.2	1,380	1,117	2,193	71,745	58,094
Designers .....	43.3	1,196	998	2,251	62,106	51,886
Editors and reporters .....	44.2	1,858	1,475	2,299	96,593	76,710
Professional occupations, N.E.C. ....	40.0	826	817	2,080	42,971	42,494
Technical occupations .....	39.0	740	677	2,018	38,325	35,048
Clinical laboratory technologists and technicians	39.5	699	705	2,052	36,335	36,650
Radiological technicians .....	39.3	758	756	2,046	39,415	39,312
Licensed practical nurses .....	38.7	548	524	2,011	28,484	27,269
Health technologists and technicians, N.E.C. ....	39.6	591	603	2,059	30,713	31,366
Electrical and electronic technicians .....	40.1	848	808	2,086	44,115	41,995
Engineering technicians, N.E.C. ....	40.0	733	769	2,080	38,132	39,978
Drafters .....	40.0	599	531	2,080	31,158	27,602
Science technicians, N.E.C. ....	36.6	598	584	1,663	27,181	28,662
Technical and related occupations, N.E.C. ....	40.0	1,020	816	2,080	53,062	42,453
Executive, administrative, and managerial occupations ...	40.7	1,218	1,038	2,095	62,749	52,998
Executives, administrators, and managers .....	41.0	1,409	1,224	2,102	72,282	62,275
Administrators and officials, public administration	40.0	1,548	1,720	2,080	80,487	89,419
Financial managers .....	40.5	1,450	1,300	2,106	75,396	67,600
Personnel and labor relations managers .....	40.7	1,294	1,360	2,116	67,266	70,720
Managers, marketing, advertising and public relations .....	42.1	1,454	1,573	2,190	75,630	81,796
Administrators, education and related fields .....	41.4	1,241	1,330	1,918	57,537	55,814
Managers, medicine and health .....	39.6	1,162	1,080	2,060	60,428	56,160
Managers, food servicing and lodging establishments .....	41.7	718	562	1,850	31,845	27,602
Managers, service organizations, N.E.C. ....	41.2	947	865	2,140	49,223	44,990
Managers and administrators, N.E.C. ....	41.1	1,531	1,200	2,135	79,554	62,400

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, Los Angeles-Riverside-Orange County, CA, January 1997 — 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 .....	40.1	\$911	\$846	2,084	\$47,305	\$44,054
Accountants and auditors .....	40.1	833	841	2,083	43,309	43,742
Other financial officers .....	41.0	1,217	900	2,133	63,273	46,800
Management analysts .....	39.8	965	966	2,067	50,168	50,232
Personnel, training, and labor relations specialists .....	40.3	812	733	2,095	42,201	38,106
Purchasing agents and buyers, N.E.C. ....	40.0	813	770	2,080	42,283	40,040
Construction inspectors .....	39.7	1,010	1,060	2,066	52,516	55,141
Inspectors and compliance officers, except construction .....	40.0	932	955	2,080	48,442	49,670
Management related occupations, N.E.C. ....	40.0	867	799	2,069	44,825	41,538
Sales occupations .....	39.9	692	488	2,064	35,816	25,355
Supervisors, sales occupations .....	42.1	1,005	673	2,187	52,282	35,006
Sales occupations, other business services .....	39.9	549	473	2,076	28,540	24,606
Sales representatives, mining, manufacturing, and wholesale .....	40.0	1,134	1,040	2,080	58,990	54,080
Sales workers, motor vehicles and boats .....	41.9	780	540	2,177	40,552	28,086
Sales workers, apparel .....	39.6	348	340	2,058	18,084	17,701
Sales workers, other commodities .....	38.1	425	360	1,952	21,799	18,525
Cashiers .....	39.0	386	360	2,030	20,055	18,720
Sales support occupations, N.E.C. ....	40.0	533	510	2,080	27,740	26,520
Administrative support occupations, including clerical .....	39.8	509	494	2,055	26,259	25,418
Supervisors, general office .....	40.6	674	668	2,109	35,062	34,715
Supervisors, financial records processing .....	40.0	707	630	2,080	36,747	32,760
Supervisors, distribution, scheduling, and adjusting clerks .....	41.2	751	714	2,143	39,060	37,128
Computer operators .....	39.7	680	673	2,062	35,347	35,006
Secretaries .....	40.0	592	577	2,062	30,511	29,994
Typists .....	39.9	505	520	2,076	26,240	27,019
Interviewers .....	39.3	396	370	2,046	20,602	19,219
Transportation ticket and reservation agents .....	40.0	457	450	2,080	23,740	23,379
Receptionists .....	39.2	364	343	2,039	18,917	17,854
Information clerks, N.E.C. ....	39.8	444	439	2,070	23,100	22,810
Order clerks .....	40.0	446	440	2,080	23,215	22,880
Personnel clerks except payroll and timekeeping .....	40.0	507	508	2,079	26,354	26,395
Library clerks .....	37.6	537	592	1,914	27,380	30,326
File clerks .....	40.0	299	269	2,080	15,539	13,978
Records clerks, N.E.C. ....	39.8	503	448	2,015	25,462	23,317
Bookkeepers, accounting and auditing clerks .....	39.9	522	502	2,074	27,153	26,083
Payroll and timekeeping clerks .....	40.0	515	500	2,080	26,781	26,000
Telephone operators .....	40.0	395	360	2,080	20,545	18,720
Mail clerks except postal service .....	39.9	343	319	1,977	17,016	16,548
Dispatchers .....	39.9	700	718	2,072	36,415	37,336
Production coordinators .....	39.6	604	572	2,059	31,389	29,744
Traffic, shipping and receiving clerks .....	39.9	425	421	2,075	22,104	21,902
Stock and inventory clerks .....	40.0	454	421	2,080	23,595	21,902
Insurance adjusters, examiners, and investigators .....	39.1	651	616	2,036	33,851	32,018
Investigators and adjusters except insurance .....	40.1	588	620	2,085	30,570	32,219
Eligibility clerks, social welfare .....	40.0	529	536	2,080	27,517	27,851
Bill and account collectors .....	39.5	450	453	2,055	23,398	23,556
General office clerks .....	39.5	449	448	2,028	23,031	23,317
Data entry keyers .....	39.6	480	520	2,060	24,949	27,061
Statistical clerks .....	39.6	422	452	2,062	21,951	23,483
Teachers' aides .....	38.4	404	412	1,494	15,744	15,011
Administrative support occupations, N.E.C. ....	40.1	541	505	2,074	28,006	26,247
<b>Blue-collar occupations</b> .....						
Precision production, craft, and repair occupations .....	39.8	494	416	2,063	25,613	21,445
Supervisors, mechanics and repairers .....	39.8	713	737	2,061	36,887	38,272
Supervisors, mechanics and repairers .....	40.0	1,020	980	2,081	53,060	50,981
Automobile mechanics .....	39.4	652	548	2,051	33,883	28,494
Bus, truck, and stationary engine mechanics .....	40.0	677	685	2,080	35,213	35,610
Industrial machinery repairers .....	39.8	673	652	2,068	34,992	33,904

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, Los Angeles-Riverside-Orange County, CA, January 1997 — 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)						
Precision production, craft, and repair occupations (-Continued)						
Machinery maintenance occupations .....	40.0	\$512	\$450	2,080	\$26,625	\$23,379
Electronic repairers, communications and industrial equipment .....	40.0	832	859	2,080	43,264	44,678
Mechanics and repairers, N.E.C. ....	39.5	596	582	2,022	30,555	29,994
Carpenters .....	37.2	692	680	1,745	32,431	34,471
Electricians .....	40.0	891	858	2,080	46,334	44,616
Painters, construction and maintenance .....	40.0	504	520	2,080	26,218	27,040
Construction trades, N.E.C. ....	40.0	766	826	2,080	39,832	42,952
Drillers, oil well .....	41.3	670	641	2,148	34,838	33,306
Supervisors, production occupations .....	40.1	863	750	2,083	44,858	39,000
Machinists .....	40.0	752	690	2,080	39,101	35,880
Electrical and electronic equipment assemblers ..	40.0	339	280	2,080	17,604	14,560
Butchers and meat cutters .....	40.0	404	320	2,080	20,983	16,640
Inspectors, testers, and graders .....	40.6	692	630	2,109	35,979	32,760
Water and sewer treatment plant operators .....	40.0	838	854	2,080	43,557	44,387
Machine operators, assemblers, and inspectors .....	39.8	365	322	2,065	18,946	16,702
Punching and stamping press operators .....	40.0	356	350	2,080	18,518	18,179
Grinding, abrading, buffing, and polishing machine operators .....	40.0	341	308	2,080	17,724	16,016
Fabricating machine operators, N.E.C. ....	39.7	266	262	2,063	13,812	13,603
Molding and casting machine operators .....	40.0	279	238	2,080	14,516	12,376
Printing press operators .....	38.7	616	522	2,013	32,037	27,144
Textile cutting machine operators .....	40.0	363	385	2,080	18,857	20,030
Textile sewing machine operators .....	39.1	274	263	2,032	14,233	13,668
Packaging and filling machine operators .....	39.8	391	386	2,070	20,314	20,072
Mixing and blending machine operators .....	40.1	373	326	2,086	19,389	16,952
Painting and paint spraying machine operators ...	40.0	414	417	2,080	21,547	21,674
Miscellaneous machine operators, N.E.C. ....	39.8	361	306	2,068	18,751	15,891
Welders and cutters .....	39.9	552	454	2,077	28,680	23,600
Assemblers .....	39.9	335	307	2,069	17,355	15,954
Miscellaneous hand working occupations, N.E.C. ....	40.0	344	346	2,080	17,868	17,971
Production inspectors, checkers and examiners ..	40.0	384	390	2,080	19,985	20,280
Transportation and material moving occupations .....	39.9	467	424	2,059	24,061	21,840
Truck drivers .....	40.0	458	448	2,070	23,719	22,360
Industrial truck and tractor equipment operators ..	39.8	466	428	2,068	24,208	22,235
Miscellaneous material moving equipment operators, N.E.C. ....	39.6	476	410	2,058	24,754	21,299
Handlers, equipment cleaners, helpers, and laborers .....	39.8	356	321	2,063	18,438	16,673
Groundskeepers and gardeners except farm .....	39.5	461	430	2,055	23,991	22,360
Supervisors, handlers, equipment cleaners, and laborers, N.E.C. ....	40.0	589	625	2,080	30,610	32,510
Helpers, mechanics and repairers .....	39.7	414	400	2,065	21,506	20,800
Construction laborers .....	40.0	369	330	2,080	19,213	17,160
Production helpers .....	39.8	283	294	2,069	14,697	15,267
Stock handlers and baggers .....	39.4	378	342	2,050	19,662	17,784
Machine feeders and offbearers .....	39.3	376	408	1,959	18,750	17,160
Freight, stock, and material handlers, N.E.C. ....	39.9	356	339	2,072	18,495	17,638
Vehicle washers and equipment cleaners .....	40.0	295	290	2,028	14,941	15,101
Hand packers and packagers .....	39.9	299	280	2,075	15,559	14,560
Laborers except construction, N.E.C. ....	40.0	377	328	2,077	19,594	17,056
<b>Service occupations</b> .....	39.4	439	325	2,031	22,605	16,640
Protective service occupations .....	40.3	674	692	2,088	34,922	35,630
Supervisors, police and detectives .....	40.1	1,257	1,246	2,084	65,379	64,792
Police and detectives, public service .....	39.8	905	902	2,067	47,050	46,904
Sheriffs, bailiffs, and other law enforcement officers .....	40.0	842	936	2,080	43,790	48,693
Correctional institution officers .....	39.8	705	659	2,071	36,686	34,258
Guards and police except public service .....	39.7	295	267	2,049	15,233	13,874
Food service occupations .....	39.3	301	268	1,988	15,218	13,235
Supervisors, food preparation and service occupations .....	40.0	533	500	1,962	26,135	26,000
Waiters and waitresses .....	36.2	186	190	1,883	9,649	9,880

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, Los Angeles-Riverside-Orange County, CA, January 1997 — 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>Service occupations (-Continued)</b>						
Food service occupations (-Continued)						
Cooks .....	40.7	\$362	\$346	2,100	\$18,715	\$18,200
Food counter, fountain, and related occupations .....	39.4	262	220	1,782	11,861	12,522
Kitchen workers, food preparation .....	39.4	288	284	2,047	14,968	14,768
Waiters/Waitresses' assistants .....	37.8	199	192	1,963	10,349	9,963
Food preparation occupations, N.E.C. ....	39.4	263	240	2,042	13,611	12,480
Health service occupations .....	38.9	326	303	2,020	16,965	15,766
Health aides, except nursing .....	40.0	432	404	2,080	22,443	20,987
Nursing aides, orderlies and attendants .....	38.7	312	286	2,012	16,236	14,872
Cleaning and building service occupations .....	39.9	317	287	2,055	16,304	14,768
Supervisors, cleaning and building service workers .....	41.5	439	472	2,157	22,817	24,523
Maids and housemen .....	39.3	261	248	2,042	13,596	12,917
Janitors and cleaners .....	39.9	313	289	2,046	16,096	14,872
Personal service occupations .....	36.1	396	374	1,875	20,594	19,448
Public transportation attendants .....	28.2	585	566	1,467	30,414	29,411
Service occupations, N.E.C. ....	38.5	330	288	2,002	17,163	14,976

<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. IN THIS SURVEY, THE NONRESPONSE RATE FOR ALL INDUSTRIES AND PRIVATE INDUSTRY EXCEEDED REGULAR SURVEY STANDARDS FOR PUBLICATION. ACCORDINGLY, USERS SHOULD INTERPRET THESE RESULTS WITH THIS LIMITATION IN MIND.



**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, Los Angeles-Riverside-Orange County, CA, January 1997**

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> .....	\$16.62	\$15.59	\$21.35	\$17.37	\$9.87
All occupations excluding sales .....	16.74	15.64	21.36	17.37	10.26
<b>White-collar occupations</b> .....	20.73	20.23	22.45	21.54	12.68
Level 1 .....	6.44	6.44	—	6.89	5.90
Level 2 .....	8.20	8.08	8.99	8.22	8.16
Level 3 .....	9.84	9.62	11.03	10.36	8.49
Level 4 .....	11.49	11.27	12.49	11.59	10.56
Level 5 .....	14.05	14.09	13.81	14.12	12.31
Level 6 .....	16.42	15.77	17.76	16.47	15.70
Level 7 .....	18.07	18.12	17.93	18.05	18.66
Level 8 .....	21.15	20.32	23.98	21.06	22.76
Level 9 .....	26.13	23.22	29.86	26.10	26.91
Level 10 .....	26.46	26.20	27.33	26.35	36.98
Level 11 .....	30.63	30.69	30.46	30.59	32.42
Level 12 .....	38.60	38.58	38.70	38.62	37.12
Level 13 .....	45.63	45.79	44.71	45.65	—
Level 14 .....	54.51	54.62	—	54.50	—
Level 15 .....	94.61	94.61	—	94.61	—
Not able to be leveled .....	35.84	36.77	26.29	38.03	18.11
White-collar occupations excluding sales .....	21.50	21.16	22.47	21.99	14.94
Level 1 .....	6.59	6.59	—	7.09	5.79
Level 2 .....	8.53	8.44	8.99	8.43	8.85
Level 3 .....	9.91	9.57	11.05	10.05	9.23
Level 4 .....	11.76	11.55	12.49	11.85	10.94
Level 5 .....	13.95	13.98	13.81	14.02	12.43
Level 6 .....	15.99	15.00	17.76	16.00	15.74
Level 7 .....	18.15	18.23	17.93	18.13	18.66
Level 8 .....	21.36	20.47	23.98	21.27	22.76
Level 9 .....	26.24	23.28	29.86	26.21	26.91
Level 10 .....	25.99	25.51	27.33	25.85	36.98
Level 11 .....	30.29	30.23	30.46	30.24	32.42
Level 12 .....	36.94	36.67	38.70	36.94	37.12
Level 13 .....	45.63	45.79	44.71	45.65	—
Level 14 .....	53.92	54.00	—	53.90	—
Level 15 .....	94.61	94.61	—	94.61	—
Not able to be leveled .....	37.41	38.56	26.29	39.52	19.52
Professional specialty and technical occupations .....	26.37	25.30	28.37	26.74	21.77
Professional specialty occupations .....	28.36	27.64	29.45	28.72	23.85
Level 5 .....	12.39	12.38	—	12.50	10.90
Level 6 .....	22.20	14.07	26.36	23.09	17.38
Level 7 .....	20.62	20.58	20.79	20.71	19.98
Level 8 .....	22.64	21.17	25.66	22.64	22.69
Level 9 .....	28.07	23.54	31.04	28.15	27.09
Level 10 .....	26.37	25.86	27.27	26.15	36.98
Level 11 .....	29.89	29.99	29.76	29.77	32.42
Level 12 .....	37.48	36.93	40.90	37.47	37.94
Level 13 .....	44.52	44.19	—	44.44	—
Level 14 .....	50.47	49.92	—	50.41	—
Not able to be leveled .....	35.98	37.39	—	40.89	18.35
Engineers, architects, and surveyors .....	31.24	31.36	29.28	31.30	—
Level 9 .....	25.68	25.41	—	25.68	—
Level 10 .....	27.84	27.82	—	27.68	—
Level 11 .....	29.99	29.98	—	29.99	—
Level 12 .....	35.79	35.81	—	35.79	—
Level 13 .....	42.52	42.52	—	42.52	—
Level 14 .....	46.39	46.39	—	46.39	—
Mathematical and computer scientists .....	29.38	30.31	23.28	29.38	—
Level 9 .....	24.00	24.48	—	24.00	—
Level 10 .....	24.93	26.05	—	24.93	—
Level 11 .....	29.66	30.11	—	29.66	—
Natural scientists .....	25.46	25.38	25.61	25.46	—
Health related occupations .....	24.13	24.23	23.55	24.20	23.85
Level 7 .....	20.52	20.76	—	20.82	19.95

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, Los Angeles-Riverside-Orange County, CA, January 1997 — 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 8 .....	\$21.55	\$21.55	—	\$20.85	\$24.48
Level 9 .....	22.88	23.11	\$22.10	22.51	24.79
Level 10 .....	24.64	24.99	—	24.38	—
Level 11 .....	26.61	26.88	—	24.61	30.73
Level 12 .....	41.32	37.36	—	41.41	—
Teachers, college and university .....	35.02	35.57	34.84	35.89	31.46
Level 7 .....	14.56	15.18	—	—	—
Level 9 .....	25.39	—	—	24.72	25.87
Level 10 .....	31.15	—	31.30	30.41	37.51
Level 11 .....	34.28	30.00	—	35.17	29.60
Level 12 .....	43.25	—	41.33	44.37	37.96
Teachers, except college and university .....	28.46	14.66	31.01	28.84	23.06
Level 5 .....	11.72	11.72	—	11.82	11.00
Level 6 .....	24.37	—	27.82	25.79	17.98
Level 7 .....	17.84	—	24.43	17.73	—
Level 8 .....	25.30	17.29	26.51	25.96	17.26
Level 9 .....	33.01	18.12	33.55	33.13	30.97
Level 10 .....	32.65	—	—	32.84	—
Level 11 .....	28.88	—	—	28.88	—
Librarians, archivists, and curators .....	19.07	—	—	19.07	—
Social scientists and urban planners .....	26.26	—	28.71	25.52	—
Social, religious, and recreation workers .....	18.64	—	19.38	18.76	—
Lawyers and judges .....	39.35	—	—	39.35	—
Writers, authors, entertainers, athletes, and professionals, N.E.C. ....	30.98	31.31	—	32.71	18.35
Level 7 .....	23.46	23.46	—	23.46	—
Level 11 .....	30.37	30.37	—	30.37	—
Not able to be leveled .....	37.94	38.14	—	46.08	18.35
Technical occupations .....	18.60	18.70	18.07	18.99	13.75
Level 3 .....	9.12	9.11	—	—	—
Level 4 .....	12.49	12.48	—	12.52	—
Level 5 .....	13.98	13.98	—	14.07	—
Level 6 .....	16.52	16.32	17.81	16.53	16.43
Level 7 .....	18.14	18.39	17.44	18.35	15.51
Level 8 .....	21.40	21.47	20.88	21.52	—
Level 9 .....	26.23	27.77	21.17	26.23	—
Executive, administrative, and managerial occupations ...	30.01	30.80	25.81	29.95	36.83
Level 5 .....	14.11	14.15	—	14.11	—
Level 6 .....	14.61	14.61	—	14.51	—
Level 7 .....	16.83	16.63	17.37	16.83	—
Level 8 .....	19.18	18.81	20.57	19.00	—
Level 9 .....	23.00	22.58	24.64	23.01	—
Level 10 .....	25.70	25.38	—	25.70	—
Level 11 .....	30.11	29.72	32.88	30.11	—
Level 12 .....	36.42	36.40	36.56	36.43	—
Level 13 .....	44.96	45.11	—	44.98	—
Level 14 .....	55.75	55.91	—	55.75	—
Level 15 .....	94.61	94.61	—	94.61	—
Not able to be leveled .....	47.37	48.30	—	47.23	—
Executives, administrators, and managers .....	34.47	35.47	28.85	34.39	43.02
Level 7 .....	15.92	15.79	—	15.92	—
Level 8 .....	17.57	17.51	—	17.57	—
Level 9 .....	23.04	22.17	27.74	23.04	—
Level 10 .....	26.08	25.51	—	26.08	—
Level 11 .....	30.89	30.52	32.88	30.89	—
Level 12 .....	35.33	35.09	36.56	35.32	—
Level 13 .....	45.22	45.41	—	45.25	—
Level 14 .....	56.10	56.28	—	56.10	—
Level 15 .....	94.61	94.61	—	94.61	—
Not able to be leveled .....	55.64	55.57	—	55.57	—
Management related occupations .....	22.71	22.99	21.30	22.70	—
Level 5 .....	14.04	14.08	—	14.04	—

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, Los Angeles-Riverside-Orange County, CA, January 1997 — 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>					
Management related occupations (-Continued)					
Level 6 .....	\$16.16	\$15.92	—	\$16.06	—
Level 7 .....	17.40	17.03	\$19.11	17.40	—
Level 8 .....	20.35	20.04	—	20.08	—
Level 9 .....	22.97	22.90	23.22	23.00	—
Level 10 .....	25.00	25.15	—	25.00	—
Level 11 .....	27.52	27.50	—	27.52	—
Level 12 .....	42.07	42.07	—	42.07	—
Not able to be leveled .....	22.29	23.00	—	22.29	—
Sales occupations .....	14.98	15.00	—	17.35	\$7.89
Level 1 .....	6.14	6.14	—	—	6.04
Level 2 .....	—	—	—	6.39	—
Level 3 .....	9.72	9.71	—	11.40	7.94
Level 4 .....	10.25	10.25	—	10.39	9.33
Level 5 .....	14.56	14.56	—	14.67	11.53
Level 6 .....	21.77	21.77	—	22.39	—
Level 7 .....	16.41	16.41	—	16.41	—
Level 8 .....	19.32	19.32	—	19.32	—
Level 9 .....	21.90	21.90	—	21.90	—
Level 10 .....	29.99	29.99	—	29.99	—
Level 11 .....	37.16	37.16	—	37.16	—
Administrative support occupations, including clerical .....	12.44	12.15	13.42	12.78	9.48
Level 1 .....	6.59	6.59	—	7.09	5.79
Level 2 .....	8.48	8.38	8.99	8.37	8.85
Level 3 .....	9.95	9.60	11.15	10.09	9.27
Level 4 .....	11.70	11.47	12.49	11.79	10.90
Level 5 .....	14.11	14.11	14.14	14.17	12.26
Level 6 .....	14.82	14.87	14.72	14.88	—
Level 7 .....	17.21	17.21	17.21	17.21	—
Level 8 .....	20.38	19.62	—	20.38	—
Not able to be leveled .....	13.55	13.54	—	13.60	—
<b>Blue-collar occupations</b> .....	12.18	11.76	19.14	12.42	8.09
Level 1 .....	6.52	6.50	—	6.54	6.33
Level 2 .....	7.89	7.77	—	7.88	8.11
Level 3 .....	9.21	9.12	12.97	9.17	9.81
Level 4 .....	10.84	10.61	14.05	11.01	—
Level 5 .....	14.13	13.98	16.84	14.14	—
Level 6 .....	16.78	16.87	15.50	16.78	—
Level 7 .....	18.76	17.83	23.03	18.79	—
Level 8 .....	22.96	22.85	24.39	22.96	—
Level 9 .....	28.08	27.74	31.76	28.16	—
Not able to be leveled .....	11.09	11.09	—	13.35	—
Precision production, craft, and repair occupations .....	17.85	17.41	21.88	17.90	10.78
Level 2 .....	7.28	7.28	—	7.18	—
Level 3 .....	9.21	9.20	—	9.21	—
Level 4 .....	14.03	13.92	—	14.03	—
Level 5 .....	15.63	15.53	17.73	15.64	—
Level 6 .....	18.89	19.08	—	18.89	—
Level 7 .....	19.11	18.23	22.80	19.15	—
Level 8 .....	23.24	23.15	24.39	23.24	—
Level 9 .....	28.32	27.97	31.76	28.32	—
Not able to be leveled .....	16.77	16.77	—	16.77	—
Machine operators, assemblers, and inspectors .....	9.14	9.08	—	9.17	—
Level 1 .....	6.27	6.25	—	6.27	—
Level 2 .....	7.77	7.77	—	7.78	—
Level 3 .....	8.21	8.21	—	8.21	—
Level 4 .....	10.12	10.12	—	10.12	—
Level 5 .....	11.10	11.10	—	11.10	—
Level 6 .....	15.13	15.13	—	15.13	—
Level 7 .....	16.66	15.95	—	16.66	—
Transportation and material moving occupations .....	11.31	10.80	15.55	11.69	—
Level 1 .....	6.91	6.91	—	6.69	—

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, Los Angeles-Riverside-Orange County, CA, January 1997 — 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>Blue-collar occupations</b> (-Continued)					
Transportation and material moving occupations (-Continued)					
Level 2 .....	\$8.38	\$8.38	—	\$8.42	—
Level 3 .....	10.76	10.71	—	10.98	—
Level 4 .....	10.86	10.40	—	11.49	—
Level 5 .....	14.48	14.25	—	14.51	—
Level 6 .....	12.47	12.43	—	12.47	—
Level 7 .....	23.73	—	—	—	—
Handlers, equipment cleaners, helpers, and laborers .....	8.77	8.53	\$14.51	8.94	\$7.66
Level 1 .....	6.67	6.66	—	6.79	6.19
Level 2 .....	8.13	7.82	—	8.14	8.05
Level 3 .....	9.77	9.62	—	9.73	9.99
Level 4 .....	9.98	9.78	—	10.01	9.55
Level 5 .....	12.84	11.92	—	12.84	—
Level 6 .....	14.19	13.52	—	14.19	—
Level 7 .....	15.40	15.40	—	15.40	—
Not able to be leveled .....	7.29	7.29	—	—	—
<b>Service occupations</b> .....					
Level 1 .....	10.14	7.55	18.59	11.13	6.37
Level 2 .....	6.34	6.19	9.62	6.66	5.59
Level 3 .....	7.27	7.01	9.38	7.52	6.74
Level 4 .....	7.95	7.69	9.69	8.08	7.50
Level 5 .....	10.67	10.44	12.22	10.87	8.46
Level 6 .....	10.23	9.90	10.86	10.80	7.43
Level 7 .....	14.47	13.36	15.72	14.47	—
Level 8 .....	17.72	13.65	18.98	17.77	—
Level 9 .....	20.89	—	22.14	20.90	—
Level 10 .....	23.70	—	24.10	23.70	—
Level 10 .....	28.22	—	28.55	28.22	—
Not able to be leveled .....	9.24	—	—	—	—
Protective service occupations .....					
Level 3 .....	16.07	7.75	21.67	16.73	5.85
Level 5 .....	7.58	—	—	—	—
Level 6 .....	10.43	—	—	12.27	—
Level 7 .....	15.98	—	—	15.98	—
Level 8 .....	19.16	—	19.23	19.16	—
Level 9 .....	22.14	—	22.14	22.14	—
Level 10 .....	23.93	—	24.10	23.93	—
Level 10 .....	28.55	—	28.55	28.55	—
Food service occupations .....					
Level 1 .....	7.01	6.75	9.76	7.66	5.73
Level 2 .....	5.64	5.60	—	5.98	5.04
Level 3 .....	6.89	6.24	9.17	7.34	6.31
Level 4 .....	7.46	7.22	—	8.31	6.17
Level 5 .....	9.97	9.96	—	9.96	—
Level 5 .....	10.23	9.87	—	10.19	—

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, Los Angeles-Riverside-Orange County, CA, January 1997 — 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>					
Health service occupations .....	\$8.44	\$8.17	\$11.90	\$8.40	\$8.67
Level 2 .....	7.76	7.73	—	7.68	8.02
Level 3 .....	7.32	7.27	—	7.25	8.01
Level 4 .....	9.12	8.70	—	9.05	—
Level 5 .....	12.41	—	—	13.34	—
Cleaning and building service occupations .....	7.65	7.24	11.37	7.93	6.17
Level 1 .....	7.00	6.77	10.64	7.23	6.03
Level 2 .....	7.66	7.10	—	7.72	—
Level 3 .....	9.81	9.66	—	9.92	—
Level 4 .....	11.72	10.94	—	11.72	—
Personal service occupations .....	9.30	9.23	9.90	10.98	7.08
Level 1 .....	6.09	5.79	7.60	—	5.81
Level 2 .....	6.83	6.74	—	—	6.88
Level 3 .....	8.99	8.42	10.37	7.83	9.74
Level 4 .....	12.63	12.66	—	13.64	—

<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. IN THIS SURVEY, THE NONRESPONSE RATE FOR ALL INDUSTRIES AND PRIVATE INDUSTRY EXCEEDED REGULAR SURVEY STANDARDS FOR PUBLICATION. ACCORDINGLY, USERS SHOULD INTERPRET THESE RESULTS WITH THIS LIMITATION IN MIND.

**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, Los Angeles-Riverside-Orange County, CA, January 1997**

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 .....	\$30.12	—	\$28.78	\$30.12	—
Electrical and electronic engineers					
Level 11 .....	32.72	—	—	32.72	—
Industrial engineers .....	25.02	\$25.02	—	25.02	—
Mechanical engineers .....	28.04	27.61	—	27.88	—
Engineers, N.E.C. ....	30.56	30.56	—	30.56	—
Level 9 .....	24.56	24.53	—	24.56	—
Level 10 .....	28.40	28.40	—	28.40	—
Level 11 .....	30.94	30.94	—	30.94	—
Level 12 .....	35.10	35.10	—	35.10	—
Computer systems analysts and scientists .....	30.03	31.19	23.28	30.03	—
Level 9 .....	24.31	24.94	—	24.31	—
Level 10 .....	24.90	26.21	—	24.90	—
Level 11 .....	29.66	30.11	—	29.66	—
Operations and systems researchers and analysts .....	23.20	23.20	—	23.20	—
Chemists, except biochemists .....	24.31	—	—	24.31	—
Physicians .....	47.62	54.57	—	47.54	—
Registered nurses .....	22.78	22.81	22.56	22.74	\$22.92
Level 7 .....	21.58	21.63	—	22.61	—
Level 8 .....	21.94	21.93	—	21.28	25.04
Level 9 .....	22.97	23.08	22.56	22.64	24.71
Level 10 .....	25.67	25.79	—	25.67	—
Level 11 .....	25.46	—	—	—	—
Pharmacists .....	36.25	36.20	—	—	—
Respiratory therapists .....	17.91	17.82	—	17.84	—
Level 8 .....	19.24	19.24	—	—	—
Business, commerce and marketing teachers .....	45.02	—	—	—	—
Teachers, post secondary, subject not specified ..	35.55	—	35.70	35.60	—
Level 12 .....	32.60	—	—	—	—
Teachers, post secondary N.E.C. ....	34.89	—	35.48	35.95	30.94
Level 11 .....	31.81	—	—	32.08	—
Prekindergarten and kindergarten .....	12.48	—	—	—	—
Elementary school teachers .....	29.04	13.66	30.19	29.09	—
Level 6 .....	30.46	—	—	30.58	—
Level 7 .....	22.90	—	—	23.26	—
Level 8 .....	26.16	—	—	—	—
Level 9 .....	31.86	—	32.60	31.90	—
Secondary school teachers .....	34.08	20.92	34.74	34.15	—
Level 8 .....	28.25	19.82	—	28.34	—
Level 9 .....	36.74	—	36.76	36.74	—
Teachers, special education .....	26.50	—	—	26.50	—
Teachers, N.E.C. ....	26.90	16.55	30.73	26.40	28.56
Level 5 .....	12.46	12.59	—	—	10.80
Level 8 .....	23.94	—	—	—	—
Level 9 .....	35.20	22.62	36.70	38.11	32.01
Vocational and educational counselors .....	28.45	—	32.65	28.50	—
Psychologists .....	25.61	—	—	24.70	—
Social workers .....	19.36	—	19.61	19.36	—
Recreation workers .....	12.97	—	—	—	—
Lawyers .....	39.35	—	—	39.35	—
Designers .....	27.60	27.60	—	27.60	—
Editors and reporters .....	42.02	42.02	—	42.02	—
Technical occupations:					
Clinical laboratory technologists and technicians	17.64	17.69	—	17.71	—
Level 4 .....	12.21	—	—	—	—
Radiological technicians .....	19.09	19.09	—	19.27	—
Level 7 .....	19.85	19.85	—	—	—
Licensed practical nurses .....	14.17	14.13	—	14.16	14.19
Level 5 .....	13.38	13.38	—	13.33	—
Level 6 .....	15.26	15.27	—	15.25	—
Level 7 .....	13.85	13.73	—	13.67	14.51

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, Los Angeles-Riverside-Orange County, CA, January 1997 — 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>					
Technical occupations: (-Continued)					
Health technologists and technicians, N.E.C. ....	\$14.72	\$13.83	—	\$14.91	\$13.33
Level 4 .....	11.10	11.10	—	—	—
Level 5 .....	13.26	13.26	—	—	—
Level 7 .....	15.53	—	—	15.51	—
Electrical and electronic technicians .....	21.09	20.91	—	21.15	—
Level 5 .....	15.31	15.31	—	15.31	—
Level 7 .....	23.18	23.19	—	23.18	—
Level 8 .....	23.03	22.61	—	23.03	—
Engineering technicians, N.E.C. ....	18.33	17.63	—	18.33	—
Drafters .....	14.98	11.45	—	14.98	—
Science technicians, N.E.C. ....	16.35	—	\$15.59	16.34	—
Computer programmers .....	21.04	—	—	—	—
Technical and related occupations, N.E.C. ....	25.34	28.20	18.47	25.51	—
Level 8 .....	21.94	21.96	—	21.94	—
Executive, administrative, and managerial occupations:					
Administrators and officials, public administration	38.70	—	38.70	38.70	—
Financial managers .....	35.75	35.63	38.31	35.80	—
Level 9 .....	24.23	24.23	—	24.23	—
Level 11 .....	31.80	31.90	—	31.80	—
Level 12 .....	36.78	36.77	—	36.78	—
Level 13 .....	40.67	39.61	—	41.50	—
Level 14 .....	62.76	62.76	—	62.76	—
Personnel and labor relations managers .....	31.79	31.06	—	31.79	—
Level 12 .....	35.06	36.52	—	35.06	—
Managers, marketing, advertising and public relations .....	34.54	35.08	—	34.54	—
Level 14 .....	46.48	46.48	—	46.48	—
Administrators, education and related fields .....	30.75	24.28	34.92	29.99	—
Level 11 .....	32.23	26.02	—	32.23	—
Level 12 .....	32.48	25.81	—	32.00	—
Managers, medicine and health .....	29.52	29.86	—	29.34	—
Level 11 .....	30.31	30.31	—	30.31	—
Level 12 .....	33.43	—	—	—	—
Managers, food servicing and lodging establishments .....	17.21	19.83	—	17.21	—
Managers, service organizations, N.E.C. ....	25.24	25.56	—	23.00	—
Managers and administrators, N.E.C. ....	37.26	38.82	24.30	37.26	—
Level 8 .....	18.20	18.16	—	18.20	—
Level 9 .....	23.09	22.14	—	23.09	—
Level 10 .....	25.66	25.63	—	25.66	—
Level 11 .....	31.76	31.88	—	31.76	—
Level 12 .....	35.90	35.77	36.79	35.90	—
Level 13 .....	46.49	46.49	—	46.49	—
Level 14 .....	57.84	57.84	—	57.84	—
Level 15 .....	100.48	100.48	—	100.48	—
Accountants and auditors .....	20.90	20.69	21.69	20.79	—
Level 6 .....	16.81	—	—	16.81	—
Level 7 .....	17.34	16.98	—	17.34	—
Level 8 .....	22.43	22.43	—	21.58	—
Level 9 .....	22.13	21.18	—	22.13	—
Other financial officers .....	29.67	29.67	—	29.67	—
Level 9 .....	19.80	19.80	—	19.80	—
Level 12 .....	55.26	55.26	—	55.26	—
Management analysts .....	24.27	24.35	—	24.27	—
Level 9 .....	25.14	25.31	—	25.14	—
Personnel, training, and labor relations specialists .....	20.14	21.21	—	20.14	—
Purchasing agents and buyers, N.E.C. ....	20.33	20.33	—	20.33	—
Construction inspectors .....	25.42	—	24.98	25.42	—
Inspectors and compliance officers, except construction .....	23.29	—	—	23.29	—
Management related occupations, N.E.C. ....	21.62	21.71	21.09	21.67	—
Level 7 .....	16.58	16.46	—	16.58	—

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, Los Angeles-Riverside-Orange County, CA, January 1997 — 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)					
Management related occupations, N.E.C. (-Continued)					
Level 8 .....	\$19.58	\$19.21	—	\$19.58	—
Level 9 .....	24.23	23.60	—	24.40	—
Level 11 .....	27.86	27.82	—	27.86	—
Sales occupations:					
Supervisors, sales occupations .....	23.90	23.90	—	23.90	—
Sales occupations, other business services .....	13.42	13.42	—	13.74	—
Sales representatives, mining, manufacturing, and wholesale .....	28.36	28.36	—	28.36	—
Level 8 .....	25.01	25.01	—	25.01	—
Sales workers, motor vehicles and boats .....	18.63	18.63	—	18.63	—
Level 5 .....	14.50	14.50	—	14.50	—
Sales workers, apparel .....	8.14	8.14	—	8.79	—
Level 3 .....	8.83	8.83	—	10.74	—
Sales workers, furniture and home furnishings .....	8.61	8.61	—	—	\$8.02
Level 3 .....	8.03	8.03	—	—	8.03
Sales workers, other commodities .....	10.20	10.20	—	11.17	7.03
Level 4 .....	7.31	7.31	—	7.66	5.82
Level 5 .....	15.01	15.01	—	15.67	—
Sales counter clerks .....	7.64	7.64	—	—	—
Cashiers .....	9.50	9.49	—	9.88	9.11
Level 1 .....	6.12	6.12	—	—	6.11
Level 2 .....	7.50	7.50	—	—	—
Level 3 .....	9.23	9.19	—	8.89	9.43
Level 4 .....	10.73	10.73	—	10.74	—
Sales support occupations, N.E.C. ....	12.66	12.66	—	13.34	—
Level 6 .....	14.14	14.14	—	14.14	—
Administrative support occupations, including clerical:					
Supervisors, general office .....	16.61	15.94	\$17.79	16.62	—
Level 6 .....	16.04	—	—	16.04	—
Level 7 .....	17.16	—	—	17.16	—
Supervisors, financial records processing .....	17.67	17.67	—	17.67	—
Supervisors, distribution, scheduling, and adjusting clerks .....	18.23	16.44	—	18.23	—
Computer operators .....	17.14	17.14	—	17.14	—
Secretaries .....	14.65	14.59	14.91	14.79	11.61
Level 3 .....	11.47	11.07	—	11.93	—
Level 4 .....	11.67	11.70	—	11.60	—
Level 5 .....	13.84	13.81	—	13.97	—
Level 6 .....	15.10	15.34	—	15.18	—
Level 7 .....	17.71	18.24	16.66	17.71	—
Typists .....	12.64	—	—	12.64	—
Interviewers .....	10.07	10.02	—	10.07	—
Hotel clerks .....	9.68	9.68	—	—	—
Transportation ticket and reservation agents .....	11.48	11.48	—	11.41	—
Level 4 .....	9.92	9.92	—	—	—
Receptionists .....	9.11	8.99	—	9.28	7.74
Level 2 .....	7.61	7.40	—	—	—
Level 3 .....	9.83	9.83	—	9.83	—
Information clerks, N.E.C. ....	10.85	10.85	—	11.16	10.23
Order clerks .....	10.97	10.48	—	11.16	—
Level 3 .....	9.01	9.01	—	9.01	—
Level 4 .....	11.92	11.57	—	12.14	—
Personnel clerks except payroll and timekeeping .....	12.67	12.67	—	12.67	—
Library clerks .....	14.06	—	11.65	14.31	—
File clerks .....	7.46	7.46	—	7.47	—
Records clerks, N.E.C. ....	12.49	12.91	12.00	12.64	—
Level 4 .....	11.60	—	—	11.74	—
Level 5 .....	11.99	11.79	—	11.99	—
Bookkeepers, accounting and auditing clerks .....	13.00	12.72	15.39	13.09	—
Level 4 .....	11.80	11.80	—	11.99	—

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, Los Angeles-Riverside-Orange County, CA, January 1997 — 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)					
Bookkeepers, accounting and auditing clerks (-Continued)					
Level 5 .....	\$13.29	\$12.81	—	\$13.29	—
Level 6 .....	14.86	14.51	—	14.86	—
Level 7 .....	14.89	14.88	—	14.89	—
Payroll and timekeeping clerks .....	12.88	13.21	—	12.88	—
Level 4 .....	11.97	—	—	11.97	—
Billing clerks .....	9.97	9.97	—	—	—
Telephone operators .....	9.78	8.25	—	9.88	—
Mail clerks except postal service .....	8.60	8.61	—	8.61	—
Dispatchers .....	17.14	—	—	17.57	—
Production coordinators .....	15.25	15.28	—	15.25	—
Level 7 .....	18.93	18.93	—	18.93	—
Traffic, shipping and receiving clerks .....	10.57	10.57	—	10.65	—
Level 1 .....	6.25	6.25	—	—	—
Level 3 .....	8.70	8.70	—	8.71	—
Stock and inventory clerks .....	11.07	10.95	—	11.34	\$9.59
Level 3 .....	10.10	10.10	—	10.10	—
Level 4 .....	12.15	12.15	—	12.15	—
Meter readers .....	14.62	—	—	—	—
Material recording, scheduling, and distribution clerks, N.E.C. ....	11.09	11.09	—	—	—
Level 4 .....	9.00	9.00	—	—	—
Insurance adjusters, examiners, and investigators .....	16.63	16.63	—	16.63	—
Investigators and adjusters except insurance .....	14.57	14.37	—	14.66	—
Level 4 .....	12.84	12.54	—	13.18	—
Eligibility clerks, social welfare .....	13.23	—	\$13.44	13.23	—
Bill and account collectors .....	11.39	11.00	—	11.39	—
General office clerks .....	10.99	9.82	12.47	11.35	8.44
Level 1 .....	6.13	6.13	—	—	5.53
Level 2 .....	8.05	7.65	9.79	7.79	9.06
Level 3 .....	10.54	9.65	11.25	10.74	8.78
Level 4 .....	11.23	10.25	12.53	11.39	10.18
Level 5 .....	12.60	12.48	12.77	12.60	—
Level 6 .....	15.13	—	15.12	15.13	—
Level 7 .....	15.87	—	—	15.87	—
Data entry keyers .....	12.00	11.68	—	12.11	—
Level 2 .....	8.70	8.70	—	8.66	—
Level 3 .....	9.61	9.61	—	9.71	—
Level 4 .....	13.48	14.41	—	13.51	—
Statistical clerks .....	10.56	10.56	—	10.65	—
Teachers' aides .....	10.50	—	10.52	10.54	10.48
Level 2 .....	8.78	—	8.78	—	8.66
Level 3 .....	10.76	—	10.79	—	11.23
Level 4 .....	11.73	—	11.73	—	11.73
Administrative support occupations, N.E.C. ....	13.03	12.31	16.02	13.50	6.96
Level 2 .....	8.97	—	—	—	—
Level 3 .....	10.41	10.22	—	10.75	—
Level 4 .....	11.35	11.34	—	11.35	—
Level 5 .....	14.19	13.67	—	14.20	—
Level 6 .....	14.87	—	—	15.00	—
Level 7 .....	17.58	17.42	17.87	17.58	—
Professional occupations, N.E.C. ....	21.43	21.30	—	20.66	—
<b>Blue-collar occupations:</b>					
Precision production, craft, and repair occupations:					
Supervisors, mechanics and repairers .....	25.50	25.41	—	25.50	—
Automobile mechanics .....	16.49	16.29	—	16.52	—
Level 7 .....	16.64	16.32	—	16.64	—
Bus, truck, and stationary engine mechanics .....	16.93	—	—	16.93	—
Level 7 .....	16.93	—	—	16.93	—

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, Los Angeles-Riverside-Orange County, CA, January 1997 — 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>Blue-collar occupations: (-Continued)</b>					
Precision production, craft, and repair occupations: (-Continued)					
Industrial machinery repairers .....	\$16.92	\$15.93	—	\$16.92	—
Level 7 .....	17.20	16.13	—	17.20	—
Machinery maintenance occupations .....	12.80	12.80	—	12.80	—
Electronic repairers, communications and industrial equipment .....	20.80	—	—	20.80	—
Mechanics and repairers, N.E.C. ....	14.94	14.37	\$17.25	15.11	—
Level 7 .....	17.99	16.94	—	17.99	—
Carpenters .....	18.59	18.02	—	18.59	—
Level 7 .....	18.42	17.59	—	18.42	—
Electricians .....	22.27	22.30	22.23	22.27	—
Level 7 .....	19.09	18.53	—	19.09	—
Painters, construction and maintenance .....	12.60	9.84	—	12.60	—
Construction trades, N.E.C. ....	19.15	—	16.69	19.15	—
Drillers, oil well .....	16.22	16.22	—	16.22	—
Supervisors, production occupations .....	21.53	21.07	—	21.53	—
Level 5 .....	12.18	12.18	—	12.18	—
Level 7 .....	18.83	18.83	—	18.83	—
Level 8 .....	21.07	21.07	—	21.07	—
Level 9 .....	27.65	27.10	—	27.65	—
Machinists .....	18.80	18.80	—	18.80	—
Level 7 .....	17.89	17.89	—	17.89	—
Electrical and electronic equipment assemblers ..	8.46	8.46	—	8.46	—
Level 2 .....	6.49	6.49	—	6.49	—
Butchers and meat cutters .....	10.31	10.31	—	10.09	—
Inspectors, testers, and graders .....	17.06	16.91	—	17.06	—
Level 7 .....	16.33	15.75	—	16.33	—
Water and sewer treatment plant operators .....	20.94	—	20.98	20.94	—
Level 7 .....	22.02	—	—	22.02	—
Machine operators, assemblers, and inspectors:					
Punching and stamping press operators .....	8.90	8.90	—	8.90	—
Grinding, abrading, buffing, and polishing machine operators .....	8.52	8.52	—	8.52	—
Fabricating machine operators, N.E.C. ....	6.70	6.70	—	6.70	—
Molding and casting machine operators .....	6.71	6.71	—	6.98	—
Printing press operators .....	15.91	15.91	—	15.91	—
Textile cutting machine operators .....	9.07	9.07	—	9.07	—
Textile sewing machine operators .....	7.01	7.01	—	7.01	—
Level 1 .....	5.92	5.92	—	5.92	—
Level 2 .....	7.12	7.12	—	7.12	—
Packaging and filling machine operators .....	9.82	9.82	—	9.82	—
Mixing and blending machine operators .....	9.29	9.29	—	9.29	—
Painting and paint spraying machine operators ...	10.36	10.36	—	10.36	—
Miscellaneous machine operators, N.E.C. ....	9.07	8.66	—	9.07	—
Level 1 .....	5.76	5.76	—	5.76	—
Level 3 .....	9.08	9.08	—	9.08	—
Welders and cutters .....	13.81	13.01	—	13.81	—
Level 7 .....	20.71	—	—	20.71	—
Assemblers .....	8.38	8.38	—	8.39	—
Level 1 .....	6.33	6.33	—	6.34	—
Level 2 .....	7.44	7.44	—	7.47	—
Level 3 .....	7.66	7.66	—	7.66	—
Level 4 .....	9.47	9.47	—	9.47	—
Level 5 .....	11.13	11.13	—	11.13	—
Miscellaneous hand working occupations, N.E.C.	8.59	8.59	—	8.59	—
Production inspectors, checkers and examiners ...	9.61	9.61	—	9.61	—
Level 4 .....	9.15	9.15	—	9.15	—
Transportation and material moving occupations:					
Truck drivers .....	11.40	10.90	—	11.46	\$10.49
Level 2 .....	7.84	7.84	—	7.86	—
Level 3 .....	9.84	9.84	—	10.34	—
Level 4 .....	12.08	11.10	—	12.04	—

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, Los Angeles-Riverside-Orange County, CA, January 1997 — 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>Blue-collar occupations: (-Continued)</b>					
Transportation and material moving occupations: (-Continued)					
Truck drivers (-Continued)					
Level 5 .....	\$15.53	\$15.47	—	\$15.66	—
Industrial truck and tractor equipment operators ..	11.40	11.40	—	11.70	—
Level 4 .....	11.22	11.22	—	—	—
Miscellaneous material moving equipment operators, N.E.C. ....	11.94	10.43	—	12.03	—
Handlers, equipment cleaners, helpers, and laborers:					
Groundskeepers and gardeners except farm .....	11.02	9.03	—	11.68	—
Supervisors, handlers, equipment cleaners, and laborers, N.E.C. ....	14.72	14.72	—	14.72	—
Helpers, mechanics and repairers .....	10.42	—	—	10.42	—
Construction laborers .....	9.36	9.27	—	9.24	—
Production helpers .....	7.09	7.09	—	7.10	—
Level 1 .....	7.07	7.07	—	7.07	—
Level 3 .....	7.44	7.44	—	7.44	—
Stock handlers and baggers .....	9.37	9.37	—	9.59	\$8.96
Level 1 .....	6.12	6.12	—	—	6.15
Level 2 .....	8.25	8.25	—	7.66	9.05
Level 3 .....	11.86	11.86	—	11.40	—
Level 4 .....	10.54	10.54	—	10.61	—
Machine feeders and offbearers .....	9.57	9.57	—	9.57	—
Freight, stock, and material handlers, N.E.C. ....	8.80	8.80	—	8.93	—
Level 1 .....	6.48	6.48	—	6.47	—
Level 2 .....	8.84	8.84	—	8.83	—
Level 3 .....	10.22	10.22	—	10.07	—
Vehicle washers and equipment cleaners .....	7.34	7.34	—	7.37	—
Level 2 .....	7.86	7.86	—	7.92	—
Hand packers and packagers .....	7.42	7.42	—	7.50	6.56
Level 1 .....	6.28	6.28	—	6.42	5.45
Level 2 .....	6.55	6.55	—	6.55	—
Level 3 .....	8.45	8.45	—	8.32	—
Laborers except construction, N.E.C. ....	8.71	8.10	\$13.93	9.43	6.70
Level 1 .....	6.24	6.16	—	6.38	6.14
Level 2 .....	8.85	7.61	—	9.03	—
Level 3 .....	7.95	7.76	—	8.21	—
<b>Service occupations:</b>					
Protective service occupations:					
Supervisors, police and detectives .....	31.38	—	31.38	31.38	—
Firefighting occupations .....	12.74	—	12.74	—	—
Police and detectives, public service .....	22.66	—	22.66	22.76	—
Level 9 .....	25.37	—	25.37	25.37	—
Sheriffs, bailiffs, and other law enforcement officers .....					
.....	21.05	—	21.05	21.05	—
Correctional institution officers .....	17.71	—	17.71	17.71	—
Guards and police except public service .....	7.33	7.11	—	7.44	—
Food service occupations:					
Supervisors, food preparation and service occupations .....	12.78	13.38	—	13.32	—
Bartenders .....	6.87	6.87	—	—	—
Waiters and waitresses .....	4.90	4.90	—	5.12	4.74
Level 1 .....	4.80	4.80	—	—	—
Level 2 .....	5.02	5.02	—	—	4.80
Cooks .....	8.75	8.69	—	8.91	—
Level 3 .....	8.22	8.22	—	8.50	—
Level 4 .....	10.28	10.28	—	10.28	—
Food counter, fountain, and related occupations	6.58	5.92	—	6.66	6.46
Level 1 .....	5.14	5.14	—	—	—
Level 2 .....	8.18	—	—	—	—
Kitchen workers, food preparation .....	7.65	7.31	10.20	7.31	10.20
Level 1 .....	7.19	7.19	—	7.19	—

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, Los Angeles-Riverside-Orange County, CA, January 1997 — 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: (-Continued)</b>					
Food service occupations: (-Continued)					
Kitchen workers, food preparation (-Continued)					
Level 3 .....	\$8.37	\$7.92	—	\$7.92	—
Waiters/Waitresses' assistants .....	5.12	5.12	—	5.27	\$5.03
Level 1 .....	5.07	5.07	—	5.27	4.91
Food preparation occupations, N.E.C. ....					
Level 1 .....	6.24	6.01	\$8.92	6.67	5.50
Level 2 .....	5.84	5.76	—	6.14	5.29
Level 3 .....	7.06	—	—	—	—
Health service occupations:					
Health aides, except nursing .....	10.45	9.49	—	10.79	9.79
Level 5 .....	10.91	—	—	—	—
Nursing aides, orderlies and attendants .....	8.07	7.98	10.22	8.07	8.04
Level 2 .....	7.64	7.60	—	7.52	—
Level 3 .....	7.25	7.19	—	7.17	7.99
Level 4 .....	8.66	8.49	—	8.64	—
Cleaning and building service occupations:					
Supervisors, cleaning and building service workers .....	10.58	10.25	—	10.58	—
Maids and housemen .....	6.57	6.57	—	6.66	—
Level 1 .....	6.52	6.52	—	6.61	—
Janitors and cleaners .....	7.55	7.08	11.18	7.87	6.22
Level 1 .....	7.09	6.82	10.64	7.37	6.07
Level 2 .....	7.64	7.01	—	7.71	—
Level 3 .....	9.92	9.68	—	10.13	—
Personal service occupations:					
Attendants, amusement and recreation facilities ..	6.77	6.70	—	—	7.17
Level 2 .....	7.23	—	—	—	7.23
Public transportation attendants .....	20.73	20.73	—	20.73	—
Early childhood teachers' assistants .....	8.45	—	8.79	—	8.55
Level 1 .....	7.64	—	—	—	7.64
Child care workers, N.E.C. ....	8.71	8.13	—	—	7.54
Service occupations, N.E.C. ....	7.33	6.97	—	8.57	6.02
Level 1 .....	5.87	5.86	—	—	—

<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. IN THIS SURVEY, THE NONRESPONSE RATE FOR ALL INDUSTRIES AND PRIVATE INDUSTRY EXCEEDED REGULAR SURVEY STANDARDS FOR PUBLICATION. ACCORDINGLY, USERS SHOULD INTERPRET THESE RESULTS WITH THIS LIMITATION IN MIND.

**Table C-1. Mean hourly earnings<sup>1</sup> by occupational group and selected characteristics, all industries, Los Angeles-Riverside-Orange County, CA, January 1997**

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> .....	\$17.37	\$9.87	\$17.90	\$16.16	\$16.55	\$18.58
All occupations excluding sales .....	17.37	10.26	18.08	16.23	16.79	14.37
<b>White-collar occupations</b> .....	21.54	12.68	20.85	20.70	20.57	25.76
White-collar excluding sales .....	21.99	14.94	21.46	21.51	21.41	48.55
Professional specialty and technical occupations .....	26.74	21.77	28.15	25.55	26.37	—
Professional specialty occupations .....	28.72	23.85	29.29	27.85	28.36	—
Technical occupations .....	18.99	13.75	18.53	18.61	18.60	—
Executive, administrative, and managerial occupations ...	29.95	36.83	23.34	30.74	29.70	60.17
Sales occupations .....	17.35	7.89	12.23	15.38	12.28	23.55
Administrative support including clerical occupations .....	12.78	9.48	13.72	12.01	12.45	—
<b>Blue-collar occupations</b> .....	12.42	8.09	15.80	10.68	12.22	11.48
Precision production, craft, and repair occupations .....	17.90	10.78	20.64	16.07	17.90	17.02
Machine operators, assemblers, and inspectors .....	9.17	—	12.43	8.48	9.21	8.57
Transportation and material moving occupations .....	11.69	—	13.33	9.98	11.26	—
Handlers, equipment cleaners, helpers, and laborers .....	8.94	7.66	10.80	8.01	8.78	—
<b>Service occupations</b> .....	11.13	6.37	14.46	7.76	10.16	—

<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. IN THIS SURVEY, THE NONRESPONSE RATE FOR ALL INDUSTRIES AND PRIVATE INDUSTRY EXCEEDED REGULAR SURVEY STANDARDS FOR PUBLICATION. ACCORDINGLY, USERS SHOULD INTERPRET THESE RESULTS WITH THIS LIMITATION IN MIND.

**Table C-2. Mean hourly earnings<sup>1</sup> by occupational group and industry division, private industry, all workers<sup>2</sup>, Los Angeles-Riverside-Orange County, CA, January 1997**

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> .....	\$15.59	\$16.01	\$26.84	-	\$15.88	-	-	-	-	-
All occupations excluding sales .....	15.64	15.83	26.91	-	15.69	-	-	-	-	-
<b>White-collar occupations</b> .....	20.23	23.93	37.42	-	23.84	-	-	-	-	-
White-collar excluding sales .....	21.16	23.95	37.76	-	23.85	-	-	-	-	-
Professional specialty and technical occupations .....	25.30	27.14	31.37	-	27.11	-	-	-	-	-
Professional specialty occupations .....	27.64	29.96	35.37	-	29.92	-	-	-	-	-
Technical occupations .....	18.70	17.67	24.42	-	17.58	-	-	-	-	-
Executive, administrative, and managerial occupations .....	30.80	30.99	48.12	-	30.82	-	-	-	-	-
Sales occupations .....	15.00	23.67	-	-	23.81	-	-	-	-	-
Administrative support, including clerical occupations .....	12.15	12.91	15.45	-	13.03	-	-	-	-	-
<b>Blue-collar occupations</b> .....	11.76	11.65	16.91	-	11.30	-	-	-	-	-
Precision production, craft, and repair occupations .....	17.41	18.18	18.70	-	18.29	-	-	-	-	-
Machine operators, assemblers, and inspectors .....	9.08	9.11	-	-	9.07	-	-	-	-	-
Transportation and material moving occupations .....	10.80	10.91	-	-	10.65	-	-	-	-	-
Handlers, equipment cleaners, helpers, and laborers .....	8.53	8.32	-	-	8.08	-	-	-	-	-
<b>Service occupations</b> .....	7.55	8.81	-	-	8.82	-	-	-	-	-

<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. IN THIS SURVEY, THE NONRESPONSE RATE FOR ALL INDUSTRIES AND PRIVATE INDUSTRY EXCEEDED REGULAR SURVEY STANDARDS FOR PUBLICATION. ACCORDINGLY, USERS SHOULD INTERPRET THESE RESULTS WITH THIS LIMITATION IN MIND.

**Table C-3. Mean hourly earnings<sup>1</sup> by occupational group and establishment employment size, private industry, all workers<sup>2</sup>, Los Angeles-Riverside-Orange County, CA, January 1997**

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> .....	\$15.59	\$14.88	\$15.79	\$14.25	\$17.66
All occupations excluding sales .....	15.64	14.36	15.98	14.23	18.02
<b>White-collar occupations</b> .....	20.23	20.55	20.15	18.73	21.54
White-collar excluding sales .....	21.16	21.11	21.17	19.66	22.50
Professional specialty and technical occupations .....	25.30	27.70	24.93	21.84	26.43
Professional specialty occupations .....	27.64	31.51	27.05	23.32	28.73
Technical occupations .....	18.70	17.53	18.89	18.40	19.19
Executive, administrative, and managerial occupations ...	30.80	35.52	29.93	30.35	29.52
Sales occupations .....	15.00	18.82	13.24	14.43	10.72
Administrative support, including clerical occupations .....	12.15	11.52	12.32	12.20	12.47
<b>Blue-collar occupations</b> .....	11.76	11.21	11.94	10.81	14.30
Precision production, craft, and repair occupations .....	17.41	16.34	17.82	16.16	19.96
Machine operators, assemblers, and inspectors .....	9.08	8.43	9.30	9.13	9.97
Transportation and material moving occupations .....	10.80	9.13	11.44	10.47	13.21
Handlers, equipment cleaners, helpers, and laborers .....	8.53	7.74	8.71	8.35	9.48
<b>Service occupations</b> .....	7.55	6.65	7.82	7.60	8.04

<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. IN THIS SURVEY, THE NONRESPONSE RATE FOR ALL INDUSTRIES AND PRIVATE INDUSTRY EXCEEDED REGULAR SURVEY STANDARDS FOR PUBLICATION. ACCORDINGLY, USERS SHOULD INTERPRET THESE RESULTS WITH THIS LIMITATION IN MIND.

**Table C-4. Number of workers<sup>1</sup> represented by occupational group, Los Angeles-Riverside-Orange County, CA, January 1997**

Occupational group <sup>2</sup>	All workers		
	All industries	Private industry	State and local government
<b>All occupations</b> .....	3,266,422	2,589,209	677,213
All occupations excluding sales .....	3,026,395	2,350,580	675,815
<b>White-collar occupations</b> .....	1,856,121	1,362,473	493,648
White-collar excluding sales .....	1,616,093	1,123,844	492,250
Professional specialty and technical occupations .....	637,969	367,225	270,744
Professional specialty occupations .....	524,866	272,928	251,937
Technical occupations .....	113,103	94,297	18,806
Executive, administrative, and managerial occupations ...	327,621	272,685	54,935
Sales occupations .....	240,027	238,629	—
Administrative support including clerical occupations .....	650,504	483,933	166,571
<b>Blue-collar occupations</b> .....	850,500	803,168	47,332
Precision production, craft, and repair occupations .....	274,372	247,270	27,102
Machine operators, assemblers, and inspectors .....	239,005	237,453	—
Transportation and material moving occupations .....	94,462	84,754	9,707
Handlers, equipment cleaners, helpers, and laborers .....	242,661	233,691	8,969
<b>Service occupations</b> .....	559,802	423,568	136,233

<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. IN THIS SURVEY, THE NONRESPONSE RATE FOR ALL INDUSTRIES AND PRIVATE INDUSTRY EXCEEDED REGULAR SURVEY STANDARDS FOR PUBLICATION. ACCORDINGLY, USERS SHOULD INTERPRET THESE RESULTS WITH THIS LIMITATION IN MIND.



# 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. While 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, which was based on the type of data to be produced, had to be developed before data collection could begin.

### Survey scope

This survey of the Los Angeles-Riverside-Orange County, CA, Consolidated Metropolitan Statistical Area 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 Los Angeles-Riverside-Orange County, CA, CMSA includes Los Angeles, Orange, Riverside, San Bernardino, and Ventura Counties, CA.

### Sampling frame

The list of establishments from which the survey sample was selected (sampling frame) was developed from the State unemployment insurance reports for the Los Angeles-Riverside-Orange County, CA, Consolidated Metropolitan Statistical Area. The reference month for the public sector is June 1994. Due to the volatility of industries within the private sector, sampling frames were developed using the most recent month of reference available at the time the sample was selected. The reference month for the private sector is December 1994. 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, em-

ployment 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.

### 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 MOG's:

- 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

A complete list of all individual occupations, classified by the MOG to which they belong, is contained in appendix B.

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 was collected from October 1996 through June 1997. The average payroll reference month was January 1997. For each establishment in the survey, the data reflect the establishment's practices on the day of collection.

### 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 bonuses, 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/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 establishment/occupations into the various data series. Of the establishments surveyed, 32.2 percent (representing 1,074,387 employees) 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 which were additionally defined by major occupation group and job level.

Establishments which were determined to be out of business or outside the scope of the survey (7.1 percent of the total sample) 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.

### 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, Los Angeles-Riverside-Orange County, CA, January 1997**

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 .....	16,160	519	153	366	204	162
Private industry .....	15,703	464	150	314	198	116
Goods-producing industries .....	4,046	136	32	104	68	36
Mining .....	36	14	3	11	9	2
Construction .....	587	11	5	6	5	1
Manufacturing .....	3,423	111	24	87	54	33
Service-producing industries .....	11,657	328	118	210	130	80
Transportation and public utilities .....	1,112	24	8	16	12	4
Wholesale and retail trade .....	5,144	107	53	54	43	11
Finance, insurance and real estate .....	976	25	7	18	10	8
Services .....	4,424	172	50	122	65	57
State and local government .....	456	55	3	52	6	46

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>, Los Angeles-Riverside-Orange County, CA, January 1997**

(in percent)

Occupation <sup>3</sup>	All industries	Private industry	State and local government
<b>All occupations</b> .....	2.3	2.9	2.5
All occupations excluding sales .....	2.3	2.9	2.5
<b>White-collar occupations</b> .....	2.4	3.1	2.8
White-collar occupations excluding sales .....	2.3	3.0	2.8
Professional specialty and technical occupations .....	2.2	3.1	3.0
Professional specialty occupations .....	2.3	3.3	3.2
Engineers, architects, and surveyors .....	2.2	2.3	4.1
Civil engineers .....	7.8	—	4.5
Industrial engineers .....	4.5	4.6	—
Mechanical engineers .....	6.1	6.5	—
Engineers, N.E.C. ....	3.5	3.5	—
Mathematical and computer scientists .....	9.6	9.8	5.9
Computer systems analysts and scientists .....	9.9	9.8	5.9
Operations and systems researchers and analysts .....	9.1	9.1	—
Natural scientists .....	5.8	9.2	4.2
Chemists, except biochemists .....	2.3	—	—
Health related occupations .....	3.5	3.9	7.4
Physicians .....	19.4	18.2	—
Registered nurses .....	1.4	1.6	2.5
Pharmacists .....	7.2	7.6	—
Respiratory therapists .....	6.6	6.8	—
Teachers, college and university .....	4.4	11.2	4.6
Business, commerce and marketing teachers .....	12.6	—	—
Teachers, post secondary, subject not specified ..	8.7	—	9.7
Teachers, post secondary N.E.C. ....	5.1	—	5.2
Teachers, except college and university .....	4.7	7.4	4.1
Prekindergarten and kindergarten .....	6.4	—	—
Elementary school teachers .....	7.0	9.2	7.1
Secondary school teachers .....	3.9	4.9	3.8
Teachers, special education .....	5.8	—	—
Teachers, N.E.C. ....	11.1	11.7	11.5
Vocational and educational counselors .....	20.7	—	19.1
Librarians, archivists, and curators .....	2.8	—	—
Social scientists and urban planners .....	11.6	—	18.9
Psychologists .....	14.0	—	—
Social, recreation, and religious workers .....	14.1	—	15.0
Social workers .....	15.0	—	15.8
Recreation workers .....	15.6	—	—
Lawyers and judges .....	9.6	—	—
Lawyers .....	9.6	—	—
Writers, authors, entertainers, athletes, and professionals, N.E.C. ....	12.0	12.2	—
Designers .....	17.4	17.4	—
Editors and reporters .....	27.2	27.2	—
Professional occupations, N.E.C. ....	7.2	7.2	—
Technical occupations .....	3.9	4.5	5.3
Clinical laboratory technologists and technicians	7.0	7.4	—
Radiological technicians .....	3.5	3.5	—
Licensed practical nurses .....	2.8	2.9	—
Health technologists and technicians, N.E.C. ....	3.4	4.6	—
Electrical and electronic technicians .....	6.3	6.5	—
Engineering technicians, N.E.C. ....	8.3	10.7	—
Drafters .....	15.8	8.8	—
Science technicians, N.E.C. ....	5.0	—	4.2
Computer programmers .....	8.4	—	—
Technical and related occupations, N.E.C. ....	18.7	21.8	5.0
Executive, administrative, and managerial occupations ...	4.2	4.7	6.4
Executives, administrators, and managers .....	5.5	6.0	9.7
Administrators and officials, public administration	10.2	—	10.2
Financial managers .....	5.8	6.0	10.7
Personnel and labor relations managers .....	7.0	8.3	—

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>, Los Angeles-Riverside-Orange County, CA, January 1997 — 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)			
Executives, administrators, and managers (-Continued)			
Managers, marketing, advertising and public relations .....			
	8.1	8.1	—
Administrators, education and related fields .....	6.4	14.5	4.1
Managers, medicine and health .....	5.1	5.4	—
Managers, food servicing and lodging establishments .....	14.6	14.5	—
Managers, service organizations, N.E.C. ....	11.3	11.6	—
Managers and administrators, N.E.C. ....	9.5	9.8	17.4
Management related occupations .....	4.0	4.7	4.3
Accountants and auditors .....	3.1	3.2	8.0
Other financial officers .....	19.4	19.4	—
Management analysts .....	6.5	7.2	—
Personnel, training, and labor relations specialists .....	8.5	11.1	—
Purchasing agents and buyers, N.E.C. ....	4.6	4.6	—
Construction inspectors .....	4.2	—	5.6
Inspectors and compliance officers, except construction .....	5.6	—	—
Management related occupations, N.E.C. ....	3.7	4.1	7.3
Sales occupations .....	9.8	9.8	—
Supervisors, sales occupations .....	17.1	17.1	—
Sales occupations, other business services .....	7.9	7.9	—
Sales representatives, mining, manufacturing, and wholesale .....	6.4	6.4	—
Sales workers, motor vehicles and boats .....	19.8	19.8	—
Sales workers, apparel .....	12.2	12.2	—
Sales workers, furniture and home furnishings ....	4.9	4.9	—
Sales workers, other commodities .....	7.9	7.9	—
Sales counter clerks .....	14.8	14.8	—
Cashiers .....	5.3	5.4	—
Sales support occupations, N.E.C. ....	9.7	9.7	—
Administrative support occupations, including clerical ....	1.9	2.4	2.4
Supervisors, general office .....	4.4	5.6	6.6
Supervisors, financial records processing .....	7.1	7.1	—
Supervisors, distribution, scheduling, and adjusting clerks .....	11.2	11.9	—
Computer operators .....	10.2	10.2	—
Secretaries .....	2.8	3.0	6.5
Typists .....	5.2	—	—
Interviewers .....	7.7	8.4	—
Hotel clerks .....	18.9	18.9	—
Transportation ticket and reservation agents .....	6.3	6.3	—
Receptionists .....	4.4	4.6	—
Information clerks, N.E.C. ....	3.5	3.7	—
Order clerks .....	5.2	5.4	—
Personnel clerks except payroll and timekeeping .....	7.5	7.5	—
Library clerks .....	11.1	—	10.3
File clerks .....	6.7	6.7	—
Records clerks, N.E.C. ....	6.1	9.5	4.5
Bookkeepers, accounting and auditing clerks .....	2.2	2.4	4.8
Payroll and timekeeping clerks .....	4.3	4.2	—
Billing clerks .....	4.4	4.4	—
Telephone operators .....	9.6	3.4	—
Mail clerks except postal service .....	7.2	8.3	—
Dispatchers .....	5.5	—	—
Production coordinators .....	6.6	6.6	—
Traffic, shipping and receiving clerks .....	10.4	10.4	—
Stock and inventory clerks .....	5.8	5.9	—
Meter readers .....	14.7	—	—

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>, Los Angeles-Riverside-Orange County, CA, January 1997 — Continued**

(in percent)

Occupation <sup>3</sup>	All industries	Private industry	State and local government
<b>White-collar occupations (-Continued)</b>			
Administrative support occupations, including clerical (-Continued)			
Material recording, scheduling, and distribution clerks, N.E.C. ....	14.0	14.0	—
Insurance adjusters, examiners, and investigators .....	14.8	14.8	—
Investigators and adjusters except insurance .....	11.1	11.9	—
Eligibility clerks, social welfare .....	1.1	—	1.2
Bill and account collectors .....	6.5	7.2	—
General office clerks .....	2.8	4.0	3.3
Data entry keyers .....	4.1	5.5	—
Statistical clerks .....	12.8	12.8	—
Teachers' aides .....	5.0	—	5.0
Administrative support occupations, N.E.C. ....	4.0	3.9	5.4
<b>Blue-collar occupations</b> .....			
Precision production, craft, and repair occupations .....	4.0	4.4	5.3
Supervisors, mechanics and repairers .....	4.2	4.8	4.7
Automobile mechanics .....	2.8	2.9	—
Bus, truck, and stationary engine mechanics .....	8.2	8.5	—
Industrial machinery repairers .....	2.4	—	—
Machinery maintenance occupations .....	7.1	5.9	—
Electronic repairers, communications and industrial equipment .....	13.4	13.4	—
Mechanics and repairers, N.E.C. ....	2.4	—	—
Carpenters .....	6.5	7.2	13.7
Electricians .....	4.9	6.1	—
Painters, construction and maintenance .....	6.3	8.8	8.5
Construction trades, N.E.C. ....	26.7	25.9	—
Drillers, oil well .....	4.3	—	4.9
Supervisors, production occupations .....	8.1	8.1	—
Machinists .....	11.6	12.5	—
Electrical and electronic equipment assemblers ..	7.7	7.7	—
Butchers and meat cutters .....	11.6	11.6	—
Inspectors, testers, and graders .....	14.0	14.0	—
Water and sewer treatment plant operators .....	9.7	10.0	—
Machine operators, assemblers, and inspectors .....	4.1	—	4.2
Punching and stamping press operators .....	4.2	4.2	—
Grinding, abrading, buffing, and polishing machine operators .....	10.0	10.0	—
Fabricating machine operators, N.E.C. ....	12.4	12.4	—
Molding and casting machine operators .....	5.3	5.3	—
Printing press operators .....	9.0	9.0	—
Textile cutting machine operators .....	14.8	14.8	—
Textile sewing machine operators .....	9.1	9.1	—
Packaging and filling machine operators .....	6.7	6.7	—
Mixing and blending machine operators .....	15.8	15.8	—
Painting and paint spraying machine operators ...	11.7	11.7	—
Miscellaneous machine operators, N.E.C. ....	20.5	20.5	—
Welders and cutters .....	10.0	9.4	—
Assemblers .....	18.2	19.4	—
Miscellaneous hand working occupations, N.E.C.	7.2	7.2	—
Production inspectors, checkers and examiners ..	9.3	9.3	—
Transportation and material moving occupations .....	6.5	6.5	—
Truck drivers .....	4.3	4.2	12.6
Industrial truck and tractor equipment operators ..	7.2	7.8	—
Miscellaneous material moving equipment operators, N.E.C. ....	6.7	6.7	—
Handlers, equipment cleaners, helpers, and laborers .....	13.9	4.5	—
Groundskeepers and gardeners except farm .....	3.1	3.2	6.5
Supervisors, handlers, equipment cleaners, and laborers, N.E.C. ....	10.3	13.6	—
Helpers, mechanics and repairers .....	8.2	8.2	—
	16.3	—	—

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>, Los Angeles-Riverside-Orange County, CA, January 1997 — Continued**

(in percent)

Occupation <sup>3</sup>	All industries	Private industry	State and local government
<b>Blue-collar occupations</b> (-Continued)			
Handlers, equipment cleaners, helpers, and laborers (-Continued)			
Construction laborers .....	9.7	9.8	—
Production helpers .....	6.2	6.2	—
Stock handlers and baggers .....	10.5	10.5	—
Machine feeders and offbearers .....	12.2	12.2	—
Freight, stock, and material handlers, N.E.C. ....	8.5	8.5	—
Vehicle washers and equipment cleaners .....	7.2	7.2	—
Hand packers and packagers .....	6.6	6.6	—
Laborers except construction, N.E.C. ....	6.1	5.7	8.0
<b>Service occupations</b> .....			
Protective service occupations .....	4.3	2.1	5.0
Supervisors, police and detectives .....	9.5	8.2	5.0
Firefighting occupations .....	5.8	—	5.8
Police and detectives, public service .....	36.4	—	36.4
Sheriffs, bailiffs, and other law enforcement officers .....	5.4	—	5.4
Correctional institution officers .....	5.6	—	5.6
Guards and police except public service .....	8.4	—	8.4
Food service occupations .....	6.1	5.9	—
Supervisors, food preparation and service occupations .....	3.3	3.5	4.1
Bartenders .....	7.6	9.1	—
Waiters and waitresses .....	9.4	9.4	—
Cooks .....	2.1	2.1	—
Food counter, fountain, and related occupations .....	5.8	5.9	—
Kitchen workers, food preparation .....	9.9	6.0	—
Waiters/Waitresses' assistants .....	5.0	4.7	2.5
Food preparation occupations, N.E.C. ....	2.5	2.5	—
Health service occupations .....	4.8	5.0	6.2
Health aides, except nursing .....	3.3	3.4	5.6
Nursing aides, orderlies and attendants .....	4.9	3.1	—
Cleaning and building service occupations .....	3.7	3.8	6.2
Supervisors, cleaning and building service workers .....	3.5	3.2	3.1
Maids and housemen .....	11.0	12.5	—
Janitors and cleaners .....	4.3	4.3	—
Personal service occupations .....	4.9	4.4	3.1
Attendants, amusement and recreation facilities ..	5.6	6.1	8.6
Public transportation attendants .....	8.4	8.8	—
Early childhood teachers' assistants .....	16.2	16.2	—
Child care workers, N.E.C. ....	2.1	—	5.8
Service occupations, N.E.C. ....	13.3	18.2	—
	10.2	9.9	—

<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. IN THIS SURVEY, THE NONRESPONSE RATE FOR ALL INDUSTRIES AND PRIVATE INDUSTRY EXCEEDED REGULAR SURVEY STANDARDS FOR PUBLICATION. ACCORDINGLY, USERS SHOULD INTERPRET THESE RESULTS WITH THIS LIMITATION IN MIND.

**Appendix table 3. Average work levels for selected occupations, all workers, full-time and part-time workers, Los Angeles-Riverside-Orange County, CA, January 1997**

Occupation <sup>1</sup>	All workers	Full-time workers	Part-time workers
<b>All occupations</b> .....	6	6	4
All occupations excluding sales .....	6	6	4
<b>White-collar occupations</b> .....	7	7	5
White-collar occupations excluding sales .....	7	8	6
Professional specialty and technical occupations .....	9	9	8
Professional specialty occupations .....	9	9	9
Engineers, architects, and surveyors .....	11	11	—
Civil engineers .....	10	10	—
Industrial engineers .....	10	10	—
Mechanical engineers .....	11	11	—
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 .....	9	9	—
Natural scientists .....	10	10	—
Chemists, except biochemists .....	9	9	—
Health related occupations .....	9	9	8
Physicians .....	12	12	—
Registered nurses .....	8	9	8
Pharmacists .....	11	—	—
Respiratory therapists .....	7	7	—
Teachers, college and university .....	11	11	11
Business, commerce and marketing teachers .....	12	—	—
Teachers, post secondary, subject not specified .....	11	11	—
Teachers, post secondary N.E.C. ....	11	12	11
Teachers, except college and university .....	8	8	8
Prekindergarten and kindergarten .....	7	—	—
Elementary school teachers .....	8	9	—
Secondary school teachers .....	9	9	—
Teachers, special education .....	9	9	—
Teachers, N.E.C. ....	8	8	8
Vocational and educational counselors .....	10	10	—
Librarians, archivists, and curators .....	8	8	—
Social scientists and urban planners .....	9	9	—
Psychologists .....	9	8	—
Social, recreation, and religious workers .....	7	7	—
Social workers .....	8	8	—
Recreation workers .....	6	—	—
Lawyers and judges .....	13	13	—
Lawyers .....	13	13	—
Writers, authors, entertainers, athletes, and professionals, N.E.C. ....	9	9	—
Designers .....	10	10	—
Editors and reporters .....	8	8	—
Professional occupations, N.E.C. ....	9	9	—
Technical occupations .....	7	7	6
Clinical laboratory technologists and technicians .....	6	6	—
Radiological technicians .....	6	6	—
Licensed practical nurses .....	6	6	6
Health technologists and technicians, N.E.C. ....	6	6	6
Electrical and electronic technicians .....	7	7	—
Engineering technicians, N.E.C. ....	7	7	—
Drafters .....	5	5	—
Science technicians, N.E.C. ....	7	7	—
Computer programmers .....	8	—	—
Technical and related occupations, N.E.C. ....	8	8	—
Executive, administrative, and managerial occupations .....	10	10	11
Executives, administrators, and managers .....	11	11	12
Administrators and officials, public administration .....	12	12	—
Financial managers .....	11	11	—
Personnel and labor relations managers .....	11	11	—
Managers, marketing, advertising and public relations ..	12	12	—
Administrators, education and related fields .....	11	11	—
Managers, medicine and health .....	11	11	—
Managers, food servicing and lodging establishments ...	7	7	—
Managers, service organizations, N.E.C. ....	10	10	—
Managers and administrators, N.E.C. ....	11	11	—

See footnotes at end of table.

**Appendix table 3. Average work levels for selected occupations, all workers, full-time and part-time workers, Los Angeles-Riverside-Orange County, CA, January 1997 — Continued**

Occupation <sup>1</sup>	All workers	Full-time workers	Part-time workers
<b>White-collar occupations</b> (-Continued)			
Executive, administrative, and managerial occupations (-Continued)			
Management related occupations .....	9	9	—
Accountants and auditors .....	8	8	—
Other financial officers .....	10	10	—
Management analysts .....	9	9	—
Personnel, training, and labor relations specialists .....	8	8	—
Purchasing agents and buyers, N.E.C. ....	8	8	—
Construction inspectors .....	8	8	—
Inspectors and compliance officers, except construction .....	8	8	—
Management related occupations, N.E.C. ....	9	9	—
Sales occupations .....	5	6	3
Supervisors, sales occupations .....	8	8	—
Sales occupations, other business services .....	6	6	—
Sales representatives, mining, manufacturing, and wholesale .....	8	8	—
Sales workers, motor vehicles and boats .....	5	5	—
Sales workers, apparel .....	3	2	—
Sales workers, furniture and home furnishings .....	4	—	3
Sales workers, other commodities .....	4	4	3
Sales counter clerks .....	3	—	—
Cashiers .....	3	4	3
Sales support occupations, N.E.C. ....	5	6	—
Administrative support occupations, including clerical .....	4	5	3
Supervisors, general office .....	7	7	—
Supervisors, financial records processing .....	7	7	—
Supervisors, distribution, scheduling, and adjusting clerks .....	7	7	—
Computer operators .....	6	6	—
Secretaries .....	5	6	4
Typists .....	5	5	—
Interviewers .....	3	3	—
Hotel clerks .....	4	—	—
Transportation ticket and reservation agents .....	4	5	—
Receptionists .....	3	3	2
Information clerks, N.E.C. ....	4	5	3
Order clerks .....	4	4	—
Personnel clerks except payroll and timekeeping .....	5	5	—
Library clerks .....	5	5	—
File clerks .....	3	3	—
Records clerks, N.E.C. ....	5	5	—
Bookkeepers, accounting and auditing clerks .....	5	5	—
Payroll and timekeeping clerks .....	5	5	—
Billing clerks .....	4	—	—
Telephone operators .....	3	3	—
Mail clerks except postal service .....	2	2	—
Dispatchers .....	6	6	—
Production coordinators .....	6	6	—
Traffic, shipping and receiving clerks .....	4	4	—
Stock and inventory clerks .....	3	4	2
Meter readers .....	4	—	—
Material recording, scheduling, and distribution clerks, N.E.C. ....	5	—	—
Insurance adjusters, examiners, and investigators .....	6	6	—
Investigators and adjusters except insurance .....	4	4	—
Eligibility clerks, social welfare .....	6	6	—
Bill and account collectors .....	5	5	—
General office clerks .....	4	4	3
Data entry keyers .....	4	4	—
Statistical clerks .....	3	4	—
Teachers' aides .....	3	3	3
Administrative support occupations, N.E.C. ....	5	5	2
<b>Blue-collar occupations</b> .....	4	4	3
Precision production, craft, and repair occupations .....	6	6	4
Supervisors, mechanics and repairers .....	8	8	—
Automobile mechanics .....	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, Los Angeles-Riverside-Orange County, CA, January 1997 — Continued**

Occupation <sup>1</sup>	All workers	Full-time workers	Part-time workers
<b>Blue-collar occupations</b> (-Continued)			
Precision production, craft, and repair occupations (-Continued)			
Bus, truck, and stationary engine mechanics .....	7	7	—
Industrial machinery repairers .....	7	7	—
Machinery maintenance occupations .....	4	4	—
Electronic repairers, communications and industrial equipment .....	6	6	—
Mechanics and repairers, N.E.C. ....	6	6	—
Carpenters .....	7	7	—
Electricians .....	7	7	—
Painters, construction and maintenance .....	4	4	—
Construction trades, N.E.C. ....	6	6	—
Drillers, oil well .....	4	4	—
Supervisors, production occupations .....	8	8	—
Machinists .....	7	7	—
Electrical and electronic equipment assemblers .....	3	3	—
Butchers and meat cutters .....	4	4	—
Inspectors, testers, and graders .....	6	6	—
Water and sewer treatment plant operators .....	7	7	—
Machine operators, assemblers, and inspectors .....	3	3	—
Punching and stamping press operators .....	3	3	—
Grinding, abrading, buffing, and polishing machine operators .....	3	3	—
Fabricating machine operators, N.E.C. ....	2	2	—
Molding and casting machine operators .....	2	2	—
Printing press operators .....	5	5	—
Textile cutting machine operators .....	3	3	—
Textile sewing machine operators .....	2	2	—
Packaging and filling machine operators .....	2	2	—
Mixing and blending machine operators .....	3	3	—
Painting and paint spraying machine operators .....	3	3	—
Miscellaneous machine operators, N.E.C. ....	3	3	—
Welders and cutters .....	5	5	—
Assemblers .....	3	3	—
Miscellaneous hand working occupations, N.E.C. ....	2	2	—
Production inspectors, checkers and examiners .....	4	4	—
Transportation and material moving occupations .....	4	4	—
Truck drivers .....	4	4	3
Industrial truck and tractor equipment operators .....	4	4	—
Miscellaneous material moving equipment operators, N.E.C. ....	3	3	—
Handlers, equipment cleaners, helpers, and laborers .....	3	3	2
Groundskeepers and gardeners except farm .....	4	4	—
Supervisors, handlers, equipment cleaners, and laborers, N.E.C. ....	6	6	—
Helpers, mechanics and repairers .....	2	2	—
Construction laborers .....	2	2	—
Production helpers .....	2	2	—
Stock handlers and baggers .....	2	3	2
Machine feeders and offbearers .....	3	3	—
Freight, stock, and material handlers, N.E.C. ....	3	3	—
Vehicle washers and equipment cleaners .....	2	2	—
Hand packers and packagers .....	2	2	2
Laborers except construction, N.E.C. ....	3	3	2
<b>Service occupations</b> .....	3	4	2
Protective service occupations .....	6	6	3
Supervisors, police and detectives .....	10	10	—
Firefighting occupations .....	4	—	—
Police and detectives, public service .....	8	8	—
Sheriffs, bailiffs, and other law enforcement officers .....	8	8	—
Correctional institution officers .....	7	7	—
Guards and police except public service .....	2	3	—
Food service occupations .....	2	3	2
Supervisors, food preparation and service occupations .....	6	6	—
Bartenders .....	4	—	—
Waiters and waitresses .....	2	2	2

See footnotes at end of table.

**Appendix table 3. Average work levels for selected occupations, all workers, full-time and part-time workers, Los Angeles-Riverside-Orange County, CA, January 1997 — Continued**

Occupation <sup>1</sup>	All workers	Full-time workers	Part-time workers
<b>Service occupations (-Continued)</b>			
Food service occupations (-Continued)			
Cooks .....	3	3	—
Food counter, fountain, and related occupations .....	2	2	2
Kitchen workers, food preparation .....	2	2	3
Waiters/Waitresses' assistants .....	1	1	2
Food preparation occupations, N.E.C. ....	2	2	2
Health service occupations .....	3	3	3
Health aides, except nursing .....	4	4	4
Nursing aides, orderlies and attendants .....	3	3	3
Cleaning and building service occupations .....	2	2	1
Supervisors, cleaning and building service workers .....	4	4	—
Maids and housemen .....	1	1	—
Janitors and cleaners .....	2	2	1
Personal service occupations .....	3	5	2
Attendants, amusement and recreation facilities .....	3	—	2
Public transportation attendants .....	5	5	—
Early childhood teachers' assistants .....	3	—	2
Child care workers, N.E.C. ....	3	—	2
Service occupations, N.E.C. ....	2	2	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."