

# **Occupational Compensation Survey: Pay Only**

**Los Angeles–Long Beach,  
California, Metropolitan Area,  
December 1995**



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U.S. Department of Labor  
Bureau of Labor Statistics

Bulletin 3080-48

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## Preface

This bulletin provides results of a December 1995 survey of occupational pay in the Los Angeles–Long Beach, CA Primary Metropolitan Statistical Area. This survey was conducted as part of the U.S. Bureau of Labor Statistics Occupational Compensation Survey Program. Data from this program are for use in implementing the Federal Employees Pay Comparability Act of 1990. The survey was conducted by the Bureau's regional office in San Francisco, under the direction of Caryl L. O'Keefe, Assistant Regional Commissioner for Operations.

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.

For additional information regarding this survey or similar surveys conducted in this regional area, 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 Occupational Pay and Employee Benefits, 2 Massachusetts Avenue, NE, Washington, D.C. 20212-0001 or call the Occupational Compensation Survey Program information line at (202) 606-6220.

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# Occupational Compensation Survey: Pay Only

## Los Angeles—Long Beach, California, Metropolitan Area, December 1995



U.S. Department of Labor  
Robert B. Reich, Secretary

Bureau of Labor Statistics  
Katharine G. Abraham,  
Commissioner

May 1996

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# Introduction

This survey of occupational pay in the Los Angeles–Long Beach Primary Metropolitan Statistical Area (Los Angeles County) was conducted as part of the U.S. Bureau of Labor Statistics Occupational Compensation Survey Program. The survey is one of a number conducted annually in metropolitan areas throughout the United States. (See listing of reports for other surveys at the end of this bulletin.)

A major objective of the Occupational Compensation Survey Program is to describe the level and distribution of occupational pay in a variety of the Nation's local labor markets, using a consistent survey approach. Another Program objective is to provide information on the incidence of employee benefits among and within local labor markets. However, no benefits data were collected for this survey.

The Program develops information that is used for a variety of purposes, including wage and salary administration, collective bargaining, and assistance in determining business or plant location. Survey results also are used by the U.S. Department of Labor in making wage determinations under the Service Contract Act, and by the President's Pay Agent (the Secretary of Labor and Directors of the U.S. Office of Personnel Management and the U.S. Office of Management and Budget) in determining local pay adjustments under the Federal Employee Pay Comparability Act of 1990. This latter requirement resulted in: (1) Expanding the survey's industrial coverage to include all private nonfarm establishments (except households) employing 50 workers or more and to State and local governments and (2) adding more professional, administrative, technical, and protective service occupations to the surveys.

## Pay

The A-series tables provide estimates of straight-time weekly or hourly pay by occupation. Tables A-1 through A-5 provide data for selected white- and blue-collar occupations common to a variety of industries. Tables A-6 through A-10 include similar information, but are limited to establishments employing 500 workers or more.

Occupational pay information is presented for all industries covered by the survey and, where possible, for private industry (e.g., for goods- and service-producing industries) and for State and local governments. Within private industry, more detailed information is presented to the extent that the survey establishment sample can support such detail.

## Appendixes

Appendix A describes the concepts, methods, and coverage used in the Occupational Compensation Survey Program. It also includes information on the area's industrial composition and the reliability of occupational pay estimates.

Appendix B includes the descriptions used by Bureau field economists to classify workers in the survey occupations.

**Table A-1. All establishments: Weekly hours and pay of professional and administrative occupations, Los Angeles-Long Beach, CA, December 1995**

Occupation and level	Number of workers	Average weekly hours <sup>1</sup> (standard)	Weekly pay (in dollars) <sup>2</sup>			Percent of workers receiving straight-time weekly pay (in dollars) of—																				
			Mean	Median	Middle range	400 and under 500	500 - 600	600 - 700	700 - 800	800 - 900	900 - 1000	1000 - 1100	1100 - 1200	1200 - 1300	1300 - 1400	1400 - 1500	1500 - 1600	1600 - 1700	1700 - 1800	1800 - 1900	1900 - 2000	2000 - 2100	2100 - 2200	2200 - 2400	2400 - 2600	
PROFESSIONAL OCCUPATIONS																										
Accountants																										
Level I .....	388	39.8	\$607	\$610	\$524 - \$673	1	48	30	21	( <sup>3</sup> )	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Private industry .....	222	39.7	565	538	508 - 614	1	60	39	( <sup>3</sup> )	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Service-producing industries .....	187	39.6	559	523	508 - 614	1	60	39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
State and local government .....	166	40.0	662	690	599 - 705	-	33	17	49	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Level II .....	2,274	39.9	669	673	580 - 733	6	23	28	36	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Private industry .....	1,864	39.9	657	655	570 - 731	7	28	30	27	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Service-producing industries .....	1,300	39.9	653	657	577 - 731	6	28	31	30	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
State and local government .....	410	40.0	725	707	707 - 765	-	1	19	72	6	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Level III .....	2,663	39.9	860	842	769 - 940	-	( <sup>3</sup> )	6	29	31	21	8	5	( <sup>3</sup> )	( <sup>3</sup> )	-	-	-	-	-	-	-	-	-	-	-
Private industry .....	2,189	39.8	856	837	769 - 935	-	( <sup>3</sup> )	6	31	30	18	9	6	( <sup>3</sup> )	( <sup>3</sup> )	-	-	-	-	-	-	-	-	-	-	-
Goods-producing industries .....	1,024	40.0	843	846	769 - 925	-	-	6	27	35	30	1	1	-	( <sup>3</sup> )	-	-	-	-	-	-	-	-	-	-	-
Manufacturing .....	824	40.0	828	808	767 - 925	-	-	8	32	29	27	2	2	-	( <sup>3</sup> )	-	-	-	-	-	-	-	-	-	-	-
Service-producing industries .....	1,165	39.7	868	837	768 - 1,019	-	1	7	34	25	8	15	10	( <sup>3</sup> )	( <sup>3</sup> )	-	-	-	-	-	-	-	-	-	-	-
State and local government .....	474	40.0	875	885	808 - 959	-	-	2	21	37	2	( <sup>3</sup> )	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Level IV .....	1,232	40.0	1,040	1,020	940 - 1,154	-	-	-	3	13	26	23	24	6	3	1	-	-	( <sup>3</sup> )	-	-	-	-	-	-	-
Private industry .....	1,001	40.0	1,031	1,018	933 - 1,154	-	-	-	3	15	26	26	19	4	4	2	-	-	( <sup>3</sup> )	-	-	-	-	-	-	-
Goods-producing industries .....	390	40.0	1,052	1,033	945 - 1,158	-	-	-	1	21	14	28	24	7	5	1	-	-	-	-	-	-	-	-	-	-
Manufacturing .....	345	40.0	1,035	1,018	905 - 1,121	-	-	-	1	23	16	29	19	8	3	1	-	-	-	-	-	-	-	-	-	-
Service-producing industries .....	611	39.9	1,017	969	933 - 1,101	-	-	-	5	12	34	24	16	3	3	2	-	-	( <sup>3</sup> )	-	-	-	-	-	-	-
State and local government .....	231	40.0	1,080	1,104	957 - 1,165	-	-	-	-	4	25	13	46	12	1	-	-	-	-	-	-	-	-	-	-	-
Level V .....	323	39.8	1,351	1,378	1,180 - 1,437	-	-	-	-	-	2	7	19	10	20	24	6	9	3	( <sup>3</sup> )	1	-	-	-	-	-
Private industry .....	261	39.8	1,345	1,380	1,161 - 1,436	-	-	-	-	-	3	8	19	9	17	26	7	9	2	( <sup>3</sup> )	1	-	-	-	-	-
Goods-producing industries .....	147	40.0	1,338	1,380	1,175 - 1,437	-	-	-	-	-	3	5	17	12	23	22	9	10	-	-	-	-	-	-	-	-
Manufacturing .....	138	40.0	1,332	1,376	1,175 - 1,404	-	-	-	-	-	3	6	18	12	25	17	9	10	-	-	-	-	-	-	-	-
Service-producing industries .....	114	39.5	1,353	1,407	1,135 - 1,436	-	-	-	-	-	4	11	21	5	10	31	4	8	4	1	3	-	-	-	-	-
State and local government .....	62	40.0	1,377	1,378	1,257 - 1,477	-	-	-	-	-	-	2	19	13	31	16	3	10	6	-	-	-	-	-	-	-
Attorneys																										
Level II:																										
State and local government .....	31	40.0	1,179	1,198	1,135 - 1,257	-	-	-	-	19	-	3	29	32	10	-	6	-	-	-	-	-	-	-	-	-
Level III:																										
State and local government .....	149	40.0	1,263	1,076	1,076 - 1,453	-	-	-	-	-	-	52	5	5	7	7	5	5	14	-	-	-	-	-	-	-
Level IV .....	516	39.7	1,648	1,673	1,395 - 1,790	-	-	-	-	-	-	-	9	6	14	2	5	29	14	3	1	15	-	( <sup>3</sup> )	3	
Private industry .....	264	39.5	1,671	1,667	1,563 - 1,680	-	-	-	-	-	-	-	1	6	8	3	8	54	6	4	2	1	-	( <sup>3</sup> )	7	
State and local government .....	252	40.0	1,624	1,750	1,308 - 2,015	-	-	-	-	-	-	-	16	7	20	-	2	2	22	2	-	29	-	-	-	-
Engineers																										
Level I .....	789	40.0	656	625	615 - 680	-	3	80	14	3	( <sup>3</sup> )	( <sup>3</sup> )	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Private industry .....	742	40.0	647	616	615 - 670	-	3	85	10	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Goods-producing industries .....	738	40.0	647	615	615 - 670	-	3	85	9	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manufacturing .....	738	40.0	647	615	615 - 670	-	3	85	9	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
State and local government .....	47	40.0	797	791	791 - 791	-	-	4	79	11	2	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

**Table A-1. All establishments: Weekly hours and pay of professional and administrative occupations, Los Angeles-Long Beach, CA, December 1995 — Continued**

Occupation and level	Number of workers	Average weekly hours <sup>1</sup> (standard)	Weekly pay (in dollars) <sup>2</sup>				Percent of workers receiving straight-time weekly pay (in dollars) of—																				
			Mean	Median	Middle range		400 and under 500	500 - 600	600 - 700	700 - 800	800 - 900	900 - 1000	1000 - 1100	1100 - 1200	1200 - 1300	1300 - 1400	1400 - 1500	1500 - 1600	1600 - 1700	1700 - 1800	1800 - 1900	1900 - 2000	2000 - 2100	2100 - 2200	2200 - 2400	2400 - 2600	
Level II .....	3,520	40.0	\$834	\$827	\$745	—	\$893	—	—	14	30	33	15	8	2	( <sup>3</sup> )	—	—	—	—	—	—	—	—	—	—	—
Private industry .....	2,513	40.0	799	775	724	—	854	—	—	19	40	22	11	5	2	( <sup>3</sup> )	—	—	—	—	—	—	—	—	—	—	—
Goods-producing industries .....	2,414	40.0	803	779	728	—	861	—	—	18	41	23	12	5	2	( <sup>3</sup> )	—	—	—	—	—	—	—	—	—	—	—
Manufacturing .....	2,414	40.0	803	779	728	—	861	—	—	18	41	23	12	5	2	( <sup>3</sup> )	—	—	—	—	—	—	—	—	—	—	—
State and local government .....	1,007	40.0	922	893	893	—	974	—	—	( <sup>3</sup> )	4	58	23	15	1	—	—	—	—	—	—	—	—	—	—	—	—
Level III .....	7,164	40.0	999	988	889	—	1,103	—	—	6	21	27	20	20	4	1	( <sup>3</sup> )	( <sup>3</sup> )	—	—	—	—	—	—	—	—	—
Private industry .....	5,358	40.0	966	942	866	—	1,050	—	—	8	28	28	18	13	4	1	( <sup>3</sup> )	( <sup>3</sup> )	—	—	—	—	—	—	—	—	—
Goods-producing industries .....	5,123	40.0	965	940	865	—	1,049	—	—	8	29	28	17	13	4	1	( <sup>3</sup> )	( <sup>3</sup> )	—	—	—	—	—	—	—	—	—
Manufacturing .....	4,983	40.0	959	936	865	—	1,040	—	—	8	30	29	17	11	4	1	( <sup>3</sup> )	( <sup>3</sup> )	—	—	—	—	—	—	—	—	—
State and local government .....	1,806	40.0	1,095	1,085	988	—	1,158	—	—	( <sup>3</sup> )	2	24	26	43	3	2	—	—	—	—	—	—	—	—	—	—	—
Level IV .....	7,797	40.0	1,181	1,166	1,061	—	1,288	—	—	—	1	11	24	21	21	15	5	3	1	( <sup>3</sup> )	( <sup>3</sup> )	—	—	—	—	—	—
Private industry .....	6,415	40.0	1,166	1,146	1,050	—	1,263	—	—	—	( <sup>3</sup> )	13	25	24	19	10	5	2	1	( <sup>3</sup> )	( <sup>3</sup> )	—	—	—	—	—	—
Goods-producing industries .....	6,168	40.0	1,165	1,141	1,050	—	1,263	—	—	—	( <sup>3</sup> )	13	26	25	18	10	5	2	1	( <sup>3</sup> )	( <sup>3</sup> )	—	—	—	—	—	—
Manufacturing .....	6,098	40.0	1,164	1,139	1,048	—	1,258	—	—	—	( <sup>3</sup> )	13	26	25	17	10	5	3	1	( <sup>3</sup> )	( <sup>3</sup> )	—	—	—	—	—	—
State and local government .....	1,382	40.0	1,249	1,272	1,157	—	1,304	—	—	—	1	3	18	5	27	36	5	4	—	—	—	—	—	—	—	—	—
Level V .....	5,774	40.0	1,394	1,378	1,259	—	1,523	—	—	—	—	( <sup>3</sup> )	4	10	19	21	18	15	9	3	1	1	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	—	—
Private industry .....	5,214	40.0	1,389	1,379	1,258	—	1,512	—	—	—	—	( <sup>3</sup> )	4	11	19	20	19	14	9	3	1	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	—	—
Goods-producing industries .....	4,674	40.0	1,391	1,375	1,250	—	1,519	—	—	—	—	( <sup>3</sup> )	3	12	19	20	18	14	9	3	1	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	—	—
Manufacturing .....	4,604	40.0	1,386	1,371	1,250	—	1,512	—	—	—	—	( <sup>3</sup> )	3	12	19	20	18	14	8	3	1	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	—	—
State and local government .....	560	40.0	1,433	1,362	1,290	—	1,532	—	—	—	—	—	1	4	21	26	6	23	12	4	2	2	—	—	—	—	—
Level VI .....	2,415	40.0	1,635	1,627	1,500	—	1,771	—	—	—	—	—	—	1	3	8	13	20	16	17	11	8	2	( <sup>3</sup> )	—	—	—
Private industry .....	2,205	40.0	1,640	1,634	1,501	—	1,785	—	—	—	—	—	—	1	3	7	14	20	17	16	12	9	2	( <sup>3</sup> )	—	—	—
Goods-producing industries .....	1,954	40.0	1,642	1,644	1,484	—	1,794	—	—	—	—	—	—	1	4	8	14	16	16	17	13	9	2	( <sup>3</sup> )	—	—	—
Manufacturing .....	1,954	40.0	1,642	1,644	1,484	—	1,794	—	—	—	—	—	—	1	4	8	14	16	16	17	13	9	2	( <sup>3</sup> )	—	—	—
State and local government .....	210	40.0	1,583	1,520	1,438	—	1,749	—	—	—	—	—	—	( <sup>3</sup> )	1	20	8	28	7	30	4	—	2	—	—	—	—
Level VII .....	404	40.0	1,792	1,776	1,660	—	1,910	—	—	—	—	—	—	—	—	1	4	14	8	27	19	14	7	2	3	( <sup>3</sup> )	—
ADMINISTRATIVE OCCUPATIONS																											
Budget Analysts																											
Level II .....	108	38.6	644	640	580	—	695	3	29	44	22	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
State and local government .....	12	40.0	767	—	—	—	—	—	—	8	83	8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Level III .....	141	39.9	861	866	779	—	962	—	—	6	27	27	40	1	—	—	—	—	—	—	—	—	—	—	—	—	—
Private industry .....	115	39.9	845	854	749	—	962	—	—	7	32	28	32	1	—	—	—	—	—	—	—	—	—	—	—	—	—
State and local government .....	26	40.0	929	927	873	—	998	—	—	—	4	23	73	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Level IV .....	114	40.0	979	955	859	—	1,068	—	—	5	33	16	27	6	12	—	—	—	—	—	—	—	—	—	—	—	—
State and local government .....	20	40.0	1,213	1,265	1,187	—	1,265	—	—	—	—	—	20	10	70	—	—	—	—	—	—	—	—	—	—	—	—
Buyers/Contracting Specialists																											
Level I .....	212	39.9	597	625	550	—	633	3	44	49	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Private industry .....	192	39.9	593	605	550	—	633	4	46	48	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Goods-producing industries .....	153	40.0	597	633	550	—	633	3	42	52	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
State and local government .....	20	40.0	640	634	607	—	659	—	25	60	15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

**Table A-1. All establishments: Weekly hours and pay of professional and administrative occupations, Los Angeles-Long Beach, CA, December 1995 — Continued**

Occupation and level	Number of workers	Average weekly hours <sup>1</sup> (standard)	Weekly pay (in dollars) <sup>2</sup>				Percent of workers receiving straight-time weekly pay (in dollars) of—																				
			Mean	Median	Middle range		400 and under 500	500 - 600	600 - 700	700 - 800	800 - 900	900 - 1000	1000 - 1100	1100 - 1200	1200 - 1300	1300 - 1400	1400 - 1500	1500 - 1600	1600 - 1700	1700 - 1800	1800 - 1900	1900 - 2000	2000 - 2100	2100 - 2200	2200 - 2400	2400 - 2600	
Level II .....	1,404	40.0	\$666	\$656	\$598	—	\$714	4	22	42	21	8	3	( <sup>3</sup> )	—	—	—	—	—	—	—	—	—	—	—	—	—
Private industry .....	1,251	40.0	657	650	596	—	712	4	24	42	19	7	2	( <sup>3</sup> )	—	—	—	—	—	—	—	—	—	—	—	—	—
Goods-producing industries .....	760	40.0	675	669	622	—	714	7	9	46	26	7	3	( <sup>3</sup> )	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing .....	760	40.0	675	669	622	—	714	7	9	46	26	7	3	( <sup>3</sup> )	—	—	—	—	—	—	—	—	—	—	—	—	—
Service-producing industries .....	491	39.9	628	612	541	—	670	—	48	35	8	7	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
State and local government .....	153	40.0	738	714	675	—	790	—	1	38	37	16	7	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Level III .....	877	40.0	863	856	779	—	934	—	—	1	31	28	31	7	1	( <sup>3</sup> )	—	—	—	—	—	—	—	—	—	—	—
Private industry .....	792	40.0	859	850	780	—	931	—	—	1	32	30	30	7	1	—	—	—	—	—	—	—	—	—	—	—	—
Goods-producing industries .....	698	40.0	858	852	781	—	931	—	—	1	32	30	30	8	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing .....	698	40.0	858	852	781	—	931	—	—	1	32	30	30	8	—	—	—	—	—	—	—	—	—	—	—	—	—
State and local government .....	85	40.0	906	908	762	—	998	—	—	1	31	9	38	12	8	1	—	—	—	—	—	—	—	—	—	—	—
Level IV .....	552	40.0	1,020	1,010	934	—	1,092	—	—	—	3	14	28	34	13	7	1	—	—	—	—	—	—	—	—	—	—
Private industry .....	512	40.0	1,018	1,010	942	—	1,090	—	—	—	2	13	30	35	13	7	( <sup>3</sup> )	—	—	—	—	—	—	—	—	—	—
Goods-producing industries .....	470	40.0	1,020	1,010	948	—	1,093	—	—	—	2	12	30	34	14	7	( <sup>3</sup> )	—	—	—	—	—	—	—	—	—	—
Manufacturing .....	470	40.0	1,020	1,010	948	—	1,093	—	—	—	2	12	30	34	14	7	( <sup>3</sup> )	—	—	—	—	—	—	—	—	—	—
State and local government .....	40	40.0	1,040	986	872	—	1,244	—	—	—	7	38	5	15	7	10	10	7	—	—	—	—	—	—	—	—	—
Computer Programmers																											
Level II .....	298	39.9	677	666	615	—	731	( <sup>3</sup> )	5	63	23	5	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Private industry .....	272	39.8	670	666	615	—	728	( <sup>3</sup> )	6	67	21	6	( <sup>3</sup> )	—	—	—	—	—	—	—	—	—	—	—	—	—	—
State and local government .....	26	40.0	750	734	658	—	792	—	—	27	50	—	23	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Level III .....	737	39.6	848	831	764	—	957	—	—	7	35	27	16	12	2	—	—	—	—	—	—	—	—	—	—	—	—
Private industry .....	639	39.6	845	818	755	—	942	—	—	8	38	24	14	14	3	—	—	—	—	—	—	—	—	—	—	—	—
Service-producing industries .....	494	39.4	849	818	767	—	942	—	—	3	44	22	14	15	2	—	—	—	—	—	—	—	—	—	—	—	—
State and local government .....	98	40.0	872	876	831	—	961	—	—	—	19	46	33	2	—	—	—	—	—	—	—	—	—	—	—	—	—
Level IV:																											
State and local government .....	48	40.0	1,141	1,178	1,093	—	1,178	—	—	—	—	2	4	19	75	—	—	—	—	—	—	—	—	—	—	—	—
Computer Systems Analysts																											
Level I .....	880	39.9	803	788	733	—	865	—	1	17	35	31	14	3	—	—	—	—	—	—	—	—	—	—	—	—	—
Private industry .....	655	39.9	802	788	750	—	865	—	1	18	33	34	12	3	—	—	—	—	—	—	—	—	—	—	—	—	—
Goods-producing industries .....	299	40.0	776	769	682	—	822	—	( <sup>3</sup> )	33	30	20	12	4	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing .....	281	40.0	762	769	680	—	822	—	( <sup>3</sup> )	35	32	22	10	1	—	—	—	—	—	—	—	—	—	—	—	—	—
Service-producing industries .....	356	39.8	824	845	769	—	865	—	2	5	35	45	12	2	—	—	—	—	—	—	—	—	—	—	—	—	—
State and local government .....	225	40.0	804	787	722	—	856	—	—	14	42	23	20	2	—	—	—	—	—	—	—	—	—	—	—	—	—
Level II .....	2,105	39.8	1,002	997	921	—	1,073	—	( <sup>3</sup> )	( <sup>3</sup> )	2	18	30	31	14	3	1	( <sup>3</sup> )	—	—	—	—	—	—	—	—	—
Private industry .....	1,454	39.7	998	975	901	—	1,093	—	( <sup>3</sup> )	1	3	20	30	26	15	3	2	( <sup>3</sup> )	—	—	—	—	—	—	—	—	—
Goods-producing industries .....	419	40.0	975	952	904	—	1,055	—	—	—	5	18	41	23	10	3	( <sup>3</sup> )	—	—	—	—	—	—	—	—	—	—
Manufacturing .....	392	40.0	965	950	900	—	1,022	—	—	—	6	19	41	24	9	1	( <sup>3</sup> )	—	—	—	—	—	—	—	—	—	—
Service-producing industries .....	1,035	39.6	1,007	992	900	—	1,096	—	( <sup>3</sup> )	1	2	22	26	27	17	3	2	( <sup>3</sup> )	—	—	—	—	—	—	—	—	—
State and local government .....	651	40.0	1,013	1,035	925	—	1,069	—	—	—	( <sup>3</sup> )	12	29	44	12	3	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

**Table A-1. All establishments: Weekly hours and pay of professional and administrative occupations, Los Angeles-Long Beach, CA, December 1995 — Continued**

Occupation and level	Number of workers	Average weekly hours <sup>1</sup> (standard)	Weekly pay (in dollars) <sup>2</sup>			Percent of workers receiving straight-time weekly pay (in dollars) of—																					
			Mean	Median	Middle range	400 and under 500	500 - 600	600 - 700	700 - 800	800 - 900	900 - 1000	1000 - 1100	1100 - 1200	1200 - 1300	1300 - 1400	1400 - 1500	1500 - 1600	1600 - 1700	1700 - 1800	1800 - 1900	1900 - 2000	2000 - 2100	2100 - 2200	2200 - 2400	2400 - 2600		
Level III .....	1,545	39.7	\$1,166	\$1,157	\$1,056 - \$1,252	-	-	-	( <sup>3</sup> )	1	6	27	27	24	8	6	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	-	-	-	-	-	-	-	
Private industry .....	1,092	39.6	1,175	1,177	1,058 - 1,268	-	-	-	( <sup>3</sup> )	1	8	22	24	26	9	8	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	-	-	-	-	-	-	-	
Goods-producing industries .....	411	40.0	1,198	1,194	1,100 - 1,262	-	-	-	-	1	2	21	27	28	10	12	-	-	-	-	-	-	-	-	-	-	
Manufacturing .....	366	40.0	1,191	1,182	1,091 - 1,268	-	-	-	-	1	3	23	27	24	11	11	-	-	-	-	-	-	-	-	-	-	
Service-producing industries .....	681	39.3	1,162	1,160	1,045 - 1,268	-	-	-	( <sup>3</sup> )	1	12	23	22	25	9	6	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	-	-	-	-	-	-	-	
State and local government .....	453	40.0	1,144	1,157	1,056 - 1,228	-	-	-	-	( <sup>3</sup> )	1	37	35	20	5	2	-	-	-	-	-	-	-	-	-	-	
Level IV .....	334	40.0	1,339	1,333	1,246 - 1,438	-	-	-	-	-	( <sup>3</sup> )	2	5	39	25	19	7	3	-	-	-	-	-	-	-	-	
Private industry .....	205	40.0	1,397	1,393	1,336 - 1,463	-	-	-	-	-	( <sup>3</sup> )	1	5	10	40	28	10	5	-	-	-	-	-	-	-	-	
State and local government .....	129	40.0	1,247	1,246	1,228 - 1,246	-	-	-	-	-	-	3	5	84	1	5	2	-	-	-	-	-	-	-	-	-	
Computer Systems Analyst Supervisors/Managers																											
Level I .....	147	39.6	1,323	1,362	1,223 - 1,438	-	-	-	-	1	3	9	7	20	12	38	8	2	-	-	-	-	-	-	-	-	
Private industry .....	129	39.5	1,350	1,420	1,240 - 1,442	-	-	-	-	1	-	6	5	22	12	43	9	2	-	-	-	-	-	-	-	-	
State and local government .....	18	40.0	1,125	1,099	1,023 - 1,154	-	-	-	-	-	22	28	28	6	11	-	6	-	-	-	-	-	-	-	-	-	
Level II .....	174	39.9	1,575	1,475	1,454 - 1,734	-	-	-	-	-	-	1	1	2	6	48	9	6	6	10	7	3	-	-	-	-	
Private industry .....	110	39.8	1,641	1,600	1,440 - 1,800	-	-	-	-	-	-	-	1	4	4	27	14	9	9	16	12	5	-	-	-	-	
State and local government .....	64	40.0	1,463	1,475	1,475 - 1,475	-	-	-	-	-	-	2	-	-	9	84	2	2	2	-	-	-	-	-	-	-	
Level III:																											
State and local government .....	20	40.0	1,750	1,749	1,749 - 1,749	-	-	-	-	-	-	-	-	-	-	-	5	90	5	-	-	-	-	-	-	-	
Personnel Specialists																											
Level II .....	1,158	40.0	663	644	600 - 736	-	23	43	25	9	( <sup>3</sup> )	( <sup>3</sup> )	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Private industry .....	1,066	40.0	662	650	600 - 736	-	24	41	26	9	( <sup>3</sup> )	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Goods-producing industries .....	410	40.0	684	685	587 - 755	-	26	32	27	14	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Manufacturing .....	401	40.0	681	685	587 - 755	-	27	33	28	12	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Service-producing industries .....	656	40.0	648	625	605 - 727	-	23	47	25	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
State and local government .....	92	40.0	672	602	602 - 734	-	3	65	13	17	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Level III .....	1,613	39.9	829	817	750 - 914	-	-	21	20	31	21	5	1	( <sup>3</sup> )	( <sup>3</sup> )	-	-	-	-	-	-	-	-	-	-	-	
Private industry .....	1,325	39.9	812	800	700 - 890	-	-	25	22	32	15	5	( <sup>3</sup> )	1	( <sup>3</sup> )	-	-	-	-	-	-	-	-	-	-	-	
Goods-producing industries .....	558	40.0	818	798	706 - 931	-	-	23	36	9	26	4	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
Manufacturing .....	533	40.0	817	798	705 - 939	-	-	24	36	10	24	4	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
Service-producing industries .....	767	39.8	807	808	692 - 865	-	-	26	12	48	7	6	-	( <sup>3</sup> )	( <sup>3</sup> )	-	-	-	-	-	-	-	-	-	-	-	
State and local government .....	288	40.0	910	916	837 - 991	-	-	3	9	30	50	5	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
Level IV .....	1,254	39.9	1,074	1,070	968 - 1,176	-	-	-	2	9	15	28	31	12	3	( <sup>3</sup> )	-	-	-	-	-	-	-	-	-	-	
Private industry .....	964	39.9	1,068	1,060	981 - 1,165	-	-	-	3	10	13	32	26	13	3	( <sup>3</sup> )	-	-	-	-	-	-	-	-	-	-	
Goods-producing industries .....	397	40.0	1,050	1,058	949 - 1,135	-	-	-	( <sup>3</sup> )	8	28	27	27	8	1	( <sup>3</sup> )	-	-	-	-	-	-	-	-	-	-	
Manufacturing .....	371	40.0	1,042	1,058	949 - 1,120	-	-	-	( <sup>3</sup> )	9	30	29	25	6	1	( <sup>3</sup> )	-	-	-	-	-	-	-	-	-	-	
Service-producing industries .....	567	39.8	1,081	1,070	1,000 - 1,184	-	-	-	5	11	3	35	25	16	5	( <sup>3</sup> )	-	-	-	-	-	-	-	-	-	-	
State and local government .....	290	40.0	1,093	1,176	932 - 1,176	-	-	-	1	6	21	13	46	12	1	-	-	-	-	-	-	-	-	-	-	-	
Level V .....	285	39.7	1,353	1,354	1,212 - 1,462	-	-	-	-	1	1	7	15	20	17	19	7	14	( <sup>3</sup> )	-	-	-	-	( <sup>3</sup> )	-	-	
Private industry .....	215	39.6	1,335	1,295	1,164 - 1,491	-	-	-	-	1	1	9	17	25	14	9	5	18	( <sup>3</sup> )	-	-	-	-	( <sup>3</sup> )	-	-	
State and local government .....	70	40.0	1,407	1,454	1,378 - 1,454	-	-	-	-	-	-	-	7	4	27	50	11	-	-	-	-	-	-	-	-	-	

See footnotes at end of table.



**Table A-1. All establishments: Weekly hours and pay of professional and administrative occupations, Los Angeles-Long Beach, CA, December 1995 — Continued**

Occupation and level	Number of workers	Average weekly hours <sup>1</sup> (stand-ard)	Weekly pay (in dollars) <sup>2</sup>			Percent of workers receiving straight-time weekly pay (in dollars) of—																					
			Mean	Median	Middle range	400 and under 500	500 - 600	600 - 700	700 - 800	800 - 900	900 - 1000	1000 - 1100	1100 - 1200	1200 - 1300	1300 - 1400	1400 - 1500	1500 - 1600	1600 - 1700	1700 - 1800	1800 - 1900	1900 - 2000	2000 - 2100	2100 - 2200	2200 - 2400	2400 - 2600		
<b>Personnel Supervisors/Managers</b>																											
Level II .....	127	39.8	\$1,337	\$1,352	\$1,038 - \$1,529	-	-	-	-	1	4	24	6	9	16	13	9	11	-	8	-	-	-	-	-	-	
Private industry .....	67	39.7	1,420	-	- - -	-	-	-	-	-	-	4	10	16	25	16	4	7	-	15	-	-	-	-	-	-	
State and local government .....	60	40.0	1,245	1,038	1,038 - 1,529	-	-	-	-	2	8	47	-	-	5	10	13	15	-	-	-	-	-	-	-	-	
Level III .....	93	39.8	1,700	1,749	1,569 - 1,808	-	-	-	-	-	-	-	-	1	5	9	13	14	32	19	3	-	-	2	1		
Private industry .....	71	39.8	1,696	-	- - -	-	-	-	-	-	-	-	-	1	4	11	17	18	14	25	4	-	-	3	1		
<b>Tax Collectors</b>																											
Level I .....	53	40.0	703	745	669 - 745	-	4	25	72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
State and local government .....	53	40.0	703	745	669 - 745	-	4	25	72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Level II .....	79	40.0	777	786	786 - 786	-	5	4	73	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
State and local government .....	79	40.0	777	786	786 - 786	-	5	4	73	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Level III .....	159	40.0	809	831	800 - 831	-	-	4	20	75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
State and local government .....	159	40.0	809	831	800 - 831	-	-	4	20	75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

<sup>1</sup> Standard hours reflect the workweek for which employees receive their regular straight-time salaries (exclusive of pay for overtime at regular and/or premium rates), and the earnings correspond to these weekly hours.

<sup>2</sup> Excludes premium pay for overtime and for work on weekends, holidays, and late shifts. Also excluded are performance bonuses and lump-sum payments of the type negotiated in the auto and aerospace industries, as well as profit-sharing payments, attendance bonuses, Christmas or year-end bonuses, and other nonproduction bonuses. Pay increases, but not bonuses, under cost-of-living clauses, and incentive payments, however, are included. See Appendix A for definitions and

methods used to compute means, medians, and middle ranges.

<sup>3</sup> Less than 0.5 percent.

NOTE: Because of rounding, sums of individual intervals may not equal 100 percent. Dashes indicate that no data were reported or that data did not meet publication criteria. Overall occupation or occupational levels may include data for categories not shown separately.

**Table A-2. All establishments: Weekly hours and pay of technical and protective service occupations, Los Angeles-Long Beach, CA, December 1995**

Occupation and level	Number of workers	Average weekly hours <sup>1</sup> (standard)	Weekly pay (in dollars) <sup>2</sup>				Percent of workers receiving straight-time weekly pay (in dollars) of—																					
			Mean	Median	Middle range		325 and under 350	350 - 400	400 - 450	450 - 500	500 - 550	550 - 600	600 - 650	650 - 700	700 - 750	750 - 800	800 - 850	850 - 900	900 - 950	950 - 1000	1000 - 1050	1050 - 1100	1100 - 1150	1150 - 1200	1200 - 1250	1250 - 1300	1300 and over	
TECHNICAL OCCUPATIONS																												
Computer Operators																												
Level II .....	915	40.0	\$497	\$483	\$455	— \$554	2	8	14	30	18	22	2	4	( <sup>3</sup> )	( <sup>3</sup> )	—	—	—	—	—	—	—	—	—	—	—	—
Private industry .....	806	40.0	492	482	430	— 554	2	9	15	31	14	24	2	3	( <sup>3</sup> )	—	—	—	—	—	—	—	—	—	—	—	—	—
Service-producing industries .....	733	40.0	490	482	426	— 554	2	9	17	28	13	26	2	2	( <sup>3</sup> )	—	—	—	—	—	—	—	—	—	—	—	—	—
State and local government .....	109	40.0	539	504	504	— 551	—	—	3	18	53	5	5	13	—	4	—	—	—	—	—	—	—	—	—	—	—	—
Level III .....	847	39.9	598	609	520	— 657	—	—	3	13	16	17	18	21	7	4	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	—	—	—	—	—	—	—	—	—
Private industry .....	629	39.9	579	563	519	— 657	—	—	4	17	20	14	15	25	4	1	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	—	—	—	—	—	—	—	—	—
Goods-producing industries:																												
Manufacturing .....	92	39.8	587	530	519	— 681	—	—	—	9	53	10	—	7	17	1	1	1	1	—	—	—	—	—	—	—	—	—
Service-producing industries .....	528	39.9	576	563	520	— 657	—	—	5	19	15	14	17	27	2	1	( <sup>3</sup> )	—	—	—	—	—	—	—	—	—	—	—
State and local government .....	218	40.0	654	639	588	— 705	—	—	—	—	4	27	28	11	17	13	1	—	—	—	—	—	—	—	—	—	—	—
Level IV .....	374	39.9	679	683	615	— 713	—	—	—	—	10	6	13	29	23	11	2	2	1	—	1	—	—	—	—	—	—	—
Private industry .....	288	39.8	666	680	607	— 711	—	—	—	—	13	8	16	26	27	3	3	1	2	—	1	—	—	—	—	—	—	—
Service-producing industries .....	269	39.8	658	680	607	— 702	—	—	—	—	14	8	17	27	29	1	1	—	1	—	1	—	—	—	—	—	—	—
State and local government .....	86	40.0	722	744	655	— 762	—	—	—	—	—	1	2	42	7	40	1	7	—	—	—	—	—	—	—	—	—	—
Drafters																												
Level II .....	606	40.0	641	643	538	— 777	—	—	—	14	13	20	4	9	14	23	4	—	( <sup>3</sup> )	—	—	—	—	—	—	—	—	—
State and local government .....	280	40.0	754	777	736	— 777	—	—	—	—	1	1	1	10	28	50	8	—	( <sup>3</sup> )	—	—	—	—	—	—	—	—	—
Level III .....	875	40.0	709	704	640	— 764	—	—	—	—	( <sup>3</sup> )	9	16	22	18	23	4	5	1	—	—	( <sup>3</sup> )	—	—	—	—	—	—
Private industry .....	780	40.0	691	692	640	— 753	—	—	—	—	( <sup>3</sup> )	11	18	25	20	26	—	( <sup>3</sup> )	—	—	—	—	—	—	—	—	—	—
State and local government .....	95	40.0	857	866	820	— 866	—	—	—	—	—	—	—	1	—	5	36	42	14	—	—	2	—	—	—	—	—	—
Engineering Technicians																												
Level II .....	160	40.0	560	545	512	— 604	—	—	15	7	29	22	7	9	6	4	—	—	—	—	—	—	—	—	—	—	—	—
Private industry .....	160	40.0	560	545	512	— 604	—	—	15	7	29	22	7	9	6	4	—	—	—	—	—	—	—	—	—	—	—	—
Goods-producing industries .....	156	40.0	563	553	519	— 604	—	—	13	8	29	23	7	10	6	4	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing .....	156	40.0	563	553	519	— 604	—	—	13	8	29	23	7	10	6	4	—	—	—	—	—	—	—	—	—	—	—	—
Level III .....	527	40.0	654	637	615	— 681	—	—	—	( <sup>3</sup> )	4	7	43	21	12	4	6	1	—	—	—	—	—	—	—	—	—	—
Private industry .....	526	40.0	654	637	615	— 679	—	—	—	( <sup>3</sup> )	4	7	43	21	12	4	6	1	—	—	—	—	—	—	—	—	—	—
Goods-producing industries .....	512	40.0	656	637	616	— 681	—	—	—	( <sup>3</sup> )	4	6	44	22	12	4	6	1	—	—	—	—	—	—	—	—	—	—
Manufacturing .....	512	40.0	656	637	616	— 681	—	—	—	( <sup>3</sup> )	4	6	44	22	12	4	6	1	—	—	—	—	—	—	—	—	—	—
Level IV .....	744	40.0	803	826	745	— 880	—	—	—	—	1	2	4	8	9	11	29	12	21	1	( <sup>3</sup> )	—	—	—	—	—	—	—
Private industry .....	743	40.0	803	826	745	— 880	—	—	—	—	1	2	4	8	9	11	29	12	21	1	( <sup>3</sup> )	—	—	—	—	—	—	—
Goods-producing industries .....	728	40.0	805	827	752	— 880	—	—	—	—	1	2	4	8	9	12	30	12	21	1	( <sup>3</sup> )	—	—	—	—	—	—	—
Manufacturing .....	658	40.0	805	830	733	— 893	—	—	—	—	2	3	5	9	10	13	22	13	23	1	( <sup>3</sup> )	—	—	—	—	—	—	—
Level V .....	500	40.0	891	898	808	— 941	—	—	—	—	—	—	—	1	4	17	11	18	27	14	4	—	4	1	—	—	—	—
Private industry .....	500	40.0	891	898	808	— 941	—	—	—	—	—	—	—	1	4	17	11	18	27	14	4	—	4	1	—	—	—	—
Goods-producing industries .....	477	40.0	894	901	809	— 941	—	—	—	—	—	—	—	1	3	17	10	17	28	14	5	—	4	1	—	—	—	—
Manufacturing .....	477	40.0	894	901	809	— 941	—	—	—	—	—	—	—	1	3	17	10	17	28	14	5	—	4	1	—	—	—	—

See footnotes at end of table.

**Table A-2. All establishments: Weekly hours and pay of technical and protective service occupations, Los Angeles-Long Beach, CA, December 1995 — Continued**

Occupation and level	Number of workers	Average weekly hours <sup>1</sup> (standard)	Weekly pay (in dollars) <sup>2</sup>				Percent of workers receiving straight-time weekly pay (in dollars) of—																					
			Mean	Median	Middle range		325 and under 350	350 - 400	400 - 450	450 - 500	500 - 550	550 - 600	600 - 650	650 - 700	700 - 750	750 - 800	800 - 850	850 - 900	900 - 950	950 - 1000	1000 - 1050	1050 - 1100	1100 - 1150	1150 - 1200	1200 - 1250	1250 - 1300	1300 and over	
<b>Engineering Technicians, Civil</b>																												
Level I .....	15	40.0	\$639	\$639	\$639	—	\$639	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
State and local government .....	15	40.0	639	639	639	—	639	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Level II:																												
State and local government .....	338	40.0	797	825	716	—	883	—	—	—	—	( <sup>3</sup> )	1	4	9	24	7	14	35	7	—	—	—	—	—	—	—	
Level III .....	662	40.0	775	798	640	—	868	—	—	—	—	—	8	25	2	3	19	6	22	1	14	1	—	—	—	—	—	
State and local government .....	446	40.0	855	864	798	—	889	—	—	—	—	—	( <sup>3</sup> )	1	1	4	28	9	32	2	21	1	—	—	—	—	—	
Level IV .....	882	40.0	949	951	900	—	1,030	—	—	—	—	—	—	—	—	8	2	5	8	10	31	17	18	1	—	—	—	
State and local government .....	755	40.0	972	964	951	—	1,037	—	—	—	—	—	—	—	—	2	2	4	6	8	36	20	21	1	—	—	—	
Level V:																												
State and local government .....	301	40.0	1,090	1,057	1,048	—	1,136	—	—	—	—	—	—	—	—	—	( <sup>3</sup> )	1	1	13	11	38	16	11	—	10	—	
Level VI .....	17	40.0	1,124	1,143	1,107	—	1,143	—	—	—	—	—	—	—	—	—	—	—	—	—	6	6	88	—	—	—	—	
State and local government .....	17	40.0	1,124	1,143	1,107	—	1,143	—	—	—	—	—	—	—	—	—	—	—	—	—	6	6	88	—	—	—	—	
<b>PROTECTIVE SERVICE OCCUPATIONS</b>																												
<b>Corrections Officers</b> .....	760	40.0	746	728	629	—	885	—	—	—	—	6	18	3	13	16	( <sup>3</sup> )	6	37	—	—	—	—	—	—	—	—	
State and local government .....	760	40.0	746	728	629	—	885	—	—	—	—	6	18	3	13	16	( <sup>3</sup> )	6	37	—	—	—	—	—	—	—	—	
<b>Firefighters:</b>																												
State and local government .....	4,641	50.2	986	976	974	—	1,028	—	—	—	—	—	—	—	—	4	3	5	5	6	38	16	10	6	4	3	1	( <sup>3</sup> )
<b>Police Officers</b>																												
Level I .....	15,719	40.0	928	936	885	—	984	—	—	—	—	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	4	8	7	11	40	12	6	7	1	2	( <sup>3</sup> )	—	( <sup>3</sup> )
State and local government .....	15,671	40.0	929	936	885	—	984	—	—	—	—	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	4	8	7	11	40	12	6	7	1	2	( <sup>3</sup> )	—	( <sup>3</sup> )
Level II .....	4,857	40.0	1,068	1,067	1,040	—	1,120	—	—	—	—	—	—	—	—	—	( <sup>3</sup> )	1	8	4	34	24	16	9	3	1	( <sup>3</sup> )	
State and local government .....	4,857	40.0	1,068	1,067	1,040	—	1,120	—	—	—	—	—	—	—	—	—	( <sup>3</sup> )	1	8	4	34	24	16	9	3	1	( <sup>3</sup> )	

<sup>1</sup> Standard hours reflect the workweek for which employees receive their regular straight-time salaries (exclusive of pay for overtime at regular and/or premium rates), and the earnings correspond to these weekly hours.

<sup>2</sup> Excludes premium pay for overtime and for work on weekends, holidays, and late shifts. Also excluded are performance bonuses and lump-sum payments of the type negotiated in the auto and aerospace industries, as well as profit-sharing payments, attendance bonuses, Christmas or year-end bonuses, and other nonproduction bonuses. Pay increases, but not bonuses, under cost-of-living clauses, and incentive payments, however, are included. See Appendix A for definitions and methods used to

compute means, medians, and middle ranges.

<sup>3</sup> Less than 0.5 percent.

NOTE: Because of rounding, sums of individual intervals may not equal 100 percent. Dashes indicate that no data were reported or that data did not meet publication criteria. Overall occupation or occupational levels may include data for categories not shown separately.

**Table A-3. All establishments: Weekly hours and pay of clerical occupations, Los Angeles-Long Beach, CA, December 1995**

Occupation and level	Number of workers	Average weekly hours <sup>1</sup> (standard)	Weekly pay (in dollars) <sup>2</sup>			Percent of workers receiving straight-time weekly pay (in dollars) of—																					
			Mean	Median	Middle range	200 and under 225	225 - 250	250 - 275	275 - 300	300 - 325	325 - 350	350 - 400	400 - 450	450 - 500	500 - 550	550 - 600	600 - 650	650 - 700	700 - 750	750 - 800	800 - 850	850 - 900	900 - 950	950 - 1000	1000 - 1050	1050 - 1100	
Clerks, Accounting																											
Level II .....	5,602	40.0	\$444	\$427	\$370 -- \$490	—	—	—	3	3	3	27	24	16	10	3	6	6	—	—	—	—	—	—	—	—	—
Private industry .....	4,941	40.0	424	410	370 -- 462	—	—	—	3	4	4	31	27	15	10	2	5	—	—	—	—	—	—	—	—	—	—
Goods-producing industries .....	989	40.0	391	400	330 -- 438	—	—	—	9	10	9	20	35	8	9	( <sup>3</sup> )	—	—	—	—	—	—	—	—	—	—	—
Manufacturing .....	965	40.0	388	400	330 -- 438	—	—	—	9	10	9	21	35	8	7	( <sup>3</sup> )	—	—	—	—	—	—	—	—	—	—	—
Service-producing industries .....	3,952	40.0	433	415	370 -- 470	—	—	—	1	2	3	34	25	17	10	3	6	—	—	—	—	—	—	—	—	—	—
State and local government .....	661	40.0	588	659	513 -- 659	—	—	—	—	—	—	1	2	20	10	5	11	50	—	—	—	—	—	—	—	—	—
Level III .....	5,905	39.8	506	504	440 -- 541	—	—	—	—	2	( <sup>3</sup> )	7	19	18	33	8	6	6	1	( <sup>3</sup> )	( <sup>3</sup> )	—	—	—	—	—	—
Private industry .....	4,826	39.8	487	498	428 -- 537	—	—	—	—	2	( <sup>3</sup> )	8	23	17	35	8	4	1	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	—	—	—	—	—	—
Goods-producing industries .....	1,641	40.0	479	500	413 -- 540	—	—	—	—	6	—	10	20	11	38	10	3	1	1	1	—	—	—	—	—	—	—
Manufacturing .....	1,370	40.0	466	478	412 -- 519	—	—	—	—	8	—	12	24	13	34	4	3	( <sup>3</sup> )	1	1	—	—	—	—	—	—	—
Service-producing industries .....	3,185	39.7	491	490	439 -- 537	—	—	—	—	—	1	7	24	20	34	7	5	1	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	—	—	—	—	—	—
State and local government .....	1,079	40.0	592	591	509 -- 697	—	—	—	—	—	—	( <sup>3</sup> )	1	19	21	9	18	29	3	—	—	—	—	—	—	—	—
Level IV .....	2,303	39.9	559	569	520 -- 600	—	—	—	—	—	—	—	7	12	17	39	21	3	1	( <sup>3</sup> )	—	—	—	—	—	—	—
Private industry .....	1,789	39.9	552	558	507 -- 600	—	—	—	—	—	—	—	8	14	15	34	25	2	1	( <sup>3</sup> )	—	—	—	—	—	—	—
Goods-producing industries .....	669	40.0	560	580	515 -- 600	—	—	—	—	—	—	—	8	7	14	41	25	3	1	( <sup>3</sup> )	—	—	—	—	—	—	—
Manufacturing .....	662	40.0	562	580	515 -- 600	—	—	—	—	—	—	—	7	7	14	42	25	3	1	( <sup>3</sup> )	—	—	—	—	—	—	—
Service-producing industries .....	1,120	39.8	548	552	496 -- 600	—	—	—	—	—	—	—	8	18	15	30	26	1	1	( <sup>3</sup> )	—	—	—	—	—	—	—
State and local government .....	514	40.0	582	580	548 -- 596	—	—	—	—	—	—	—	( <sup>3</sup> )	5	23	55	4	9	4	—	—	—	—	—	—	—	—
Clerks, General																											
Level II:																											
Private industry .....	1,836	40.0	345	346	290 -- 383	—	5	2	19	19	9	30	12	2	1	1	—	—	—	—	—	—	—	—	—	—	—
Goods-producing industries .....	573	40.0	330	312	280 -- 360	—	10	3	12	27	3	40	1	2	2	( <sup>3</sup> )	—	—	—	—	—	—	—	—	—	—	—
Manufacturing .....	573	40.0	330	312	280 -- 360	—	10	3	12	27	3	40	1	2	2	( <sup>3</sup> )	—	—	—	—	—	—	—	—	—	—	—
State and local government .....	4,195	40.0	484	535	430 -- 535	—	—	—	5	—	3	7	12	15	47	9	1	( <sup>3</sup> )	( <sup>3</sup> )	—	—	—	—	—	—	—	—
Level III .....	18,468	39.9	482	460	446 -- 501	—	—	—	2	1	1	8	28	28	14	3	4	10	1	( <sup>3</sup> )	—	—	—	—	—	—	—
Private industry .....	4,208	39.8	449	440	385 -- 510	—	—	—	7	4	6	11	24	13	18	7	7	1	1	—	—	—	—	—	—	—	—
Goods-producing industries .....	1,078	39.9	498	504	420 -- 555	—	—	—	4	—	—	5	24	9	33	6	13	3	3	—	—	—	—	—	—	—	—
Manufacturing .....	1,008	39.9	497	504	420 -- 577	—	—	—	5	—	—	6	25	9	28	7	14	3	3	—	—	—	—	—	—	—	—
State and local government .....	14,260	40.0	492	460	449 -- 501	—	—	—	—	( <sup>3</sup> )	—	7	29	32	13	2	3	12	1	( <sup>3</sup> )	—	—	—	—	—	—	—
Level IV .....	4,778	39.7	524	520	492 -- 533	—	—	—	—	—	( <sup>3</sup> )	1	6	20	51	14	2	2	3	( <sup>3</sup> )	—	—	—	—	—	—	—
Private industry .....	1,438	39.0	514	496	471 -- 544	—	—	—	—	—	1	4	12	34	24	12	6	3	1	1	( <sup>3</sup> )	—	—	—	—	—	—
Goods-producing industries .....	322	39.9	588	568	520 -- 658	—	—	—	—	—	( <sup>3</sup> )	—	2	8	34	18	12	13	6	7	1	—	—	—	—	—	—
Manufacturing .....	322	39.9	588	568	520 -- 658	—	—	—	—	—	( <sup>3</sup> )	—	2	8	34	18	12	13	6	7	1	—	—	—	—	—	—
Service-producing industries .....	1,116	38.7	492	488	460 -- 526	—	—	—	—	—	1	6	15	42	21	10	4	1	( <sup>3</sup> )	—	—	—	—	—	—	—	—
State and local government .....	3,340	40.0	528	520	507 -- 532	—	—	—	—	—	—	( <sup>3</sup> )	4	13	63	15	( <sup>3</sup> )	1	4	—	—	—	—	—	—	—	—
Clerks, Order																											
Level II .....	1,072	40.0	461	468	400 -- 504	—	—	—	—	—	—	15	34	24	21	3	—	—	3	—	—	—	—	—	—	—	—
Private industry .....	1,072	40.0	461	468	400 -- 504	—	—	—	—	—	—	15	34	24	21	3	—	—	3	—	—	—	—	—	—	—	—

See footnotes at end of table.

**Table A-3. All establishments: Weekly hours and pay of clerical occupations, Los Angeles-Long Beach, CA, December 1995 — Continued**

Occupation and level	Number of workers	Average weekly hours <sup>1</sup> (standard)	Weekly pay (in dollars) <sup>2</sup>					Percent of workers receiving straight-time weekly pay (in dollars) of—																					
			Mean	Median	Middle range		200 and under 225	225 - 250	250 - 275	275 - 300	300 - 325	325 - 350	350 - 400	400 - 450	450 - 500	500 - 550	550 - 600	600 - 650	650 - 700	700 - 750	750 - 800	800 - 850	850 - 900	900 - 950	950 - 1000	1000 - 1050	1050 - 1100		
<b>Key Entry Operators</b>																													
Level I:																													
State and local government .....	122	40.0	\$537	\$530	\$518	—	\$530	—	—	—	—	—	—	—	2	11	67	5	15	—	—	—	—	—	—	—	—	—	—
Level II .....																													
Private industry .....	1,209	39.6	447	441	408	—	496	—	( <sup>3</sup> )	( <sup>3</sup> )	—	—	4	19	33	21	16	4	2	( <sup>3</sup> )	—	—	—	—	—	—	—	—	—
Service-producing industries .....	1,149	39.6	442	441	403	—	490	—	( <sup>3</sup> )	( <sup>3</sup> )	—	—	5	19	34	22	14	4	1	—	—	—	—	—	—	—	—	—	
State and local government .....	933	39.5	438	439	408	—	460	—	( <sup>3</sup> )	( <sup>3</sup> )	—	—	( <sup>3</sup> )	23	41	19	15	1	1	—	—	—	—	—	—	—	—	—	
State and local government .....	60	40.0	535	510	510	—	606	—	—	—	—	—	—	3	8	3	57	—	18	10	—	—	—	—	—	—	—	—	
<b>Personnel Assistants (Employment)</b>																													
Level II .....																													
Private industry .....	187	40.0	472	472	442	—	495	—	—	—	—	—	6	32	41	14	4	3	—	—	—	—	—	—	—	—	—	—	
State and local government .....	134	39.9	455	455	441	—	490	—	—	—	—	—	8	42	43	6	1	—	—	—	—	—	—	—	—	—	—	—	
State and local government .....	53	40.0	515	503	495	—	514	—	—	—	—	—	—	8	36	34	11	11	—	—	—	—	—	—	—	—	—	—	
Level III:																													
State and local government .....	149	40.0	553	548	516	—	597	—	—	—	—	—	—	4	7	60	17	8	—	4	—	—	—	—	—	—	—	—	
<b>Secretaries</b>																													
Level I .....																													
Private industry .....	148	39.9	414	384	360	—	461	—	—	2	—	—	16	34	21	11	9	3	3	1	—	—	—	—	—	—	—	—	
Private industry .....	148	39.9	414	384	360	—	461	—	—	2	—	—	16	34	21	11	9	3	3	1	—	—	—	—	—	—	—	—	
Level II .....																													
Private industry .....	3,657	39.6	576	566	519	—	630	—	—	—	( <sup>3</sup> )	—	( <sup>3</sup> )	1	6	13	22	26	12	7	12	2	( <sup>3</sup> )	—	—	—	—	—	
Goods-producing industries .....	2,179	39.2	539	538	490	—	577	—	—	—	( <sup>3</sup> )	—	( <sup>3</sup> )	1	11	19	33	18	12	4	( <sup>3</sup> )	3	—	—	—	—	—	—	
Manufacturing .....	428	40.0	561	557	525	—	612	—	—	—	—	—	—	( <sup>3</sup> )	9	6	29	27	21	7	1	1	—	—	—	—	—	—	
Service-producing industries .....	410	40.0	562	562	520	—	613	—	—	—	—	—	—	( <sup>3</sup> )	9	6	26	29	21	7	1	1	—	—	—	—	—	—	
State and local government .....	1,751	39.1	534	532	487	—	569	—	—	—	( <sup>3</sup> )	—	( <sup>3</sup> )	1	11	22	34	16	9	3	—	4	—	—	—	—	—	—	
State and local government .....	1,478	40.0	629	630	576	—	716	—	—	—	—	—	—	( <sup>3</sup> )	( <sup>3</sup> )	4	6	37	12	10	29	1	( <sup>3</sup> )	—	—	—	—	—	
Level III .....																													
Private industry .....	4,455	39.9	637	635	568	—	702	—	—	—	—	—	—	( <sup>3</sup> )	( <sup>3</sup> )	4	14	15	23	17	16	5	1	4	( <sup>3</sup> )	—	—	—	
Goods-producing industries .....	3,364	39.9	612	610	554	—	661	—	—	—	—	—	—	( <sup>3</sup> )	( <sup>3</sup> )	6	17	20	25	18	12	3	( <sup>3</sup> )	—	—	—	—	—	
Manufacturing .....	1,573	40.0	631	631	575	—	690	—	—	—	—	—	—	—	( <sup>3</sup> )	4	12	20	20	21	16	6	( <sup>3</sup> )	—	—	—	—	—	
Service-producing industries .....	1,573	40.0	631	631	575	—	690	—	—	—	—	—	—	—	( <sup>3</sup> )	4	12	20	20	21	16	6	( <sup>3</sup> )	—	—	—	—	—	
State and local government .....	1,791	39.9	595	600	538	—	646	—	—	—	—	—	—	( <sup>3</sup> )	1	7	22	19	29	15	8	( <sup>3</sup> )	—	—	—	—	—	—	
State and local government .....	1,091	40.0	715	709	637	—	789	—	—	—	—	—	—	—	—	( <sup>3</sup> )	4	3	18	17	28	11	3	15	1	—	—	—	
Level IV .....																													
Private industry .....	3,667	39.7	700	692	635	—	762	—	—	—	—	—	—	( <sup>3</sup> )	1	3	12	14	23	20	13	8	5	2	( <sup>3</sup> )	( <sup>3</sup> )	—	—	
Goods-producing industries .....	2,874	39.7	689	687	628	—	753	—	—	—	—	—	—	( <sup>3</sup> )	1	4	13	16	21	19	14	7	5	( <sup>3</sup> )	—	( <sup>3</sup> )	—	—	
Manufacturing .....	1,148	40.0	725	724	679	—	788	—	—	—	—	—	—	—	—	3	2	12	20	23	23	13	5	( <sup>3</sup> )	—	( <sup>3</sup> )	—	—	
Service-producing industries .....	991	40.0	721	710	680	—	777	—	—	—	—	—	—	—	—	3	1	13	21	23	25	11	3	( <sup>3</sup> )	—	( <sup>3</sup> )	—	—	
State and local government .....	1,726	39.5	666	657	597	—	718	—	—	—	—	—	—	( <sup>3</sup> )	1	5	21	18	22	17	8	3	5	—	—	—	—	—	
State and local government .....	793	40.0	740	726	680	—	805	—	—	—	—	—	—	—	—	—	6	7	30	21	10	13	4	8	2	—	—	—	
Level V .....																													
Private industry .....	598	39.7	821	844	737	—	887	—	—	—	—	—	—	( <sup>3</sup> )	( <sup>3</sup> )	1	1	5	10	13	9	16	24	7	9	6	1	1	
Goods-producing industries .....	530	39.7	808	819	721	—	885	—	—	—	—	—	—	( <sup>3</sup> )	( <sup>3</sup> )	1	1	6	11	14	10	18	22	6	6	5	—	—	
Manufacturing .....	176	39.9	860	860	816	—	900	—	—	—	—	—	—	—	—	—	—	3	9	6	22	34	6	12	7	—	—	—	
Service-producing industries .....	158	39.9	845	857	810	—	870	—	—	—	—	—	—	—	—	—	—	4	10	7	25	38	7	8	2	—	—	—	
State and local government .....	354	39.6	782	774	683	—	885	—	—	—	—	—	—	1	1	1	2	9	14	16	12	15	16	6	3	5	—	—	
State and local government .....	68	40.0	927	927	883	—	991	—	—	—	—	—	—	—	—	—	1	1	—	4	—	1	34	13	29	7	7	7	

See footnotes at end of table.

**Table A-3. All establishments: Weekly hours and pay of clerical occupations, Los Angeles-Long Beach, CA, December 1995 — Continued**

Occupation and level	Number of workers	Average weekly hours <sup>1</sup> (standard)	Weekly pay (in dollars) <sup>2</sup>			Percent of workers receiving straight-time weekly pay (in dollars) of—																				
			Mean	Median	Middle range	200 and under 225	225 - 250	250 - 275	275 - 300	300 - 325	325 - 350	350 - 400	400 - 450	450 - 500	500 - 550	550 - 600	600 - 650	650 - 700	700 - 750	750 - 800	800 - 850	850 - 900	900 - 950	950 - 1000	1000 - 1050	1050 - 1100
<b>Switchboard Operator-Receptionists .....</b>	4,771	39.8	\$371	\$360	\$320 - \$407	1	3	2	7	18	9	28	17	8	3	2	1	( <sup>3</sup> )	( <sup>3</sup> )	-	-	-	-	-	-	-
Private industry .....	4,702	39.7	369	360	320 - 407	1	3	2	8	18	10	28	18	7	2	2	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	-	-	-	-	-	-	-
Goods-producing industries .....	1,123	40.0	351	348	320 - 383	-	5	6	7	21	17	31	7	3	5	( <sup>3</sup> )	-	-	-	-	-	-	-	-	-	-
Manufacturing .....	1,035	40.0	356	348	320 - 384	-	5	6	-	22	17	33	8	3	5	( <sup>3</sup> )	-	-	-	-	-	-	-	-	-	-
Service-producing industries .....	3,579	39.7	375	360	320 - 420	1	3	1	8	17	7	27	21	8	2	3	1	( <sup>3</sup> )	( <sup>3</sup> )	-	-	-	-	-	-	-
State and local government .....	69	40.0	487	480	462 - 498	-	-	-	-	-	-	-	-	80	17	-	3	-	-	-	-	-	-	-	-	-
<b>Word Processors</b>																										
Level I:																										
State and local government .....	480	40.0	535	542	521 - 557	-	-	-	-	-	-	-	2	9	63	26	-	-	-	-	-	-	-	-	-	-
Level II .....	1,071	38.8	528	530	494 - 581	-	-	-	-	3	( <sup>3</sup> )	1	17	9	31	26	1	10	2	-	-	-	-	-	-	-
State and local government .....	626	40.0	572	581	530 - 581	-	-	-	-	-	-	( <sup>3</sup> )	( <sup>3</sup> )	7	37	35	( <sup>3</sup> )	17	4	-	-	-	-	-	-	-

<sup>1</sup> Standard hours reflect the workweek for which employees receive their regular straight-time salaries (exclusive of pay for overtime at regular and/or premium rates), and the earnings correspond to these weekly hours.

<sup>2</sup> Excludes premium pay for overtime and for work on weekends, holidays, and late shifts. Also excluded are performance bonuses and lump-sum payments of the type negotiated in the auto and aerospace industries, as well as profit-sharing payments, attendance bonuses, Christmas or year-end bonuses, and other nonproduction bonuses. Pay increases, but not bonuses, under cost-of-living clauses, and incentive payments, however, are included. See Appendix A for definitions and methods used to

compute means, medians, and middle ranges.

<sup>3</sup> Less than 0.5 percent.

NOTE: Because of rounding, sums of individual intervals may not equal 100 percent. Dashes indicate that no data were reported or that data did not meet publication criteria. Overall occupation or occupational levels may include data for categories not shown separately.

**Table A-4. All establishments: Hourly pay of maintenance and toolroom occupations, Los Angeles-Long Beach, CA, December 1995**

Occupation and level	Number of workers	Hourly pay (in dollars) <sup>1</sup>			Percent of workers receiving straight-time hourly pay (in dollars) of—																									
		Mean	Median	Middle range	8.00 and under 9.00	9.00 - 10.00	10.00 - 11.00	11.00 - 12.00	12.00 - 13.00	13.00 - 14.00	14.00 - 15.00	15.00 - 16.00	16.00 - 17.00	17.00 - 18.00	18.00 - 19.00	19.00 - 20.00	20.00 - 21.00	21.00 - 22.00	22.00 - 23.00	23.00 - 24.00	24.00 - 25.00	25.00 - 26.00	26.00 - 27.00	27.00 - 28.00	28.00 - 29.00	29.00 - 30.00	30.00 and over			
<b>General Maintenance Workers:</b>																														
Private industry:																														
Goods-producing industries .....	570	\$11.20	\$10.77	\$9.55 – \$12.35	5	34	22	6	10	23	–	–	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–		
Manufacturing .....	500	10.82	10.77	9.55 – 11.36	5	38	25	6	12	12	–	–	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–		
State and local government .....	484	14.50	14.76	14.32 – 15.43	–	–	–	2	14	7	46	20	5	5	–	–	–	–	–	–	–	–	–	–	–	–	–	–		
<b>Maintenance Electricians .....</b>																														
Private industry .....	1,914	20.30	20.54	18.05 – 22.78	–	–	–	–	–	( <sup>2</sup> )	( <sup>2</sup> )	4	7	8	20	9	5	11	15	8	11	–	( <sup>2</sup> )	1	( <sup>2</sup> )	–	–	–		
Goods-producing industries .....	1,098	19.14	18.40	18.05 – 21.00	–	–	–	–	–	1	1	7	10	5	31	12	7	7	19	1	–	–	–	–	( <sup>2</sup> )	–	–	–		
Manufacturing .....	829	19.04	18.05	18.05 – 21.08	–	–	–	–	–	–	1	7	12	5	37	5	7	5	21	( <sup>2</sup> )	–	–	–	–	1	–	–	–		
Service-producing industries .....	829	19.04	18.05	18.05 – 21.08	–	–	–	–	–	–	1	7	12	5	37	5	7	5	21	( <sup>2</sup> )	–	–	–	–	1	–	–	–		
State and local government .....	269	19.48	19.30	18.44 – 21.00	–	–	–	–	–	2	–	6	3	7	14	33	5	14	14	2	–	–	–	–	–	–	–	–		
State and local government .....	816	21.85	22.55	20.12 – 24.06	–	–	–	–	–	–	–	1	3	10	5	5	2	16	10	18	26	–	( <sup>2</sup> )	3	–	–	–	–		
<b>Maintenance Electronics Technicians</b>																														
Level I:																														
State and local government .....	50	17.24	17.70	17.32 – 17.70	–	–	–	–	–	2	8	8	–	64	18	–	–	–	–	–	–	–	–	–	–	–	–	–		
Level II .....																														
Private industry .....	1,364	19.22	19.25	16.00 – 22.10	–	–	–	–	( <sup>2</sup> )	( <sup>2</sup> )	2	7	29	9	1	4	3	18	21	4	( <sup>2</sup> )	–	( <sup>2</sup> )	1	( <sup>2</sup> )	( <sup>2</sup> )	–	–		
Goods-producing industries .....	820	18.29	16.58	16.00 – 22.10	–	–	–	–	( <sup>2</sup> )	( <sup>2</sup> )	1	10	44	10	1	2	1	2	28	–	( <sup>2</sup> )	–	( <sup>2</sup> )	1	( <sup>2</sup> )	( <sup>2</sup> )	–	–		
State and local government .....	544	20.62	21.81	19.25 – 21.81	–	–	–	–	–	–	3	3	6	8	1	8	7	43	12	10	–	–	–	–	–	–	–	–		
Level III .....																														
Private industry .....	1,927	20.96	21.07	20.74 – 21.07	–	–	–	–	–	–	–	( <sup>2</sup> )	4	3	3	7	10	55	6	5	3	( <sup>2</sup> )	( <sup>2</sup> )	–	–	( <sup>2</sup> )	( <sup>2</sup> )			
Goods-producing industries .....	1,755	20.83	21.07	20.74 – 21.07	–	–	–	–	–	–	–	( <sup>2</sup> )	5	3	3	7	10	60	5	2	3	1	–	–	–	1	1			
State and local government .....	172	22.31	23.82	20.87 – 23.82	–	–	–	–	–	–	–	–	1	5	2	9	13	2	16	45	5	–	2	–	–	–	–	–		
<b>Maintenance Machinists:</b>																														
State and local government .....	80	22.61	23.71	20.84 – 24.64	–	–	–	–	–	–	–	–	–	–	–	1	39	2	–	30	27	–	–	–	–	–	–	–		
<b>Maintenance Mechanics, Machinery .....</b>																														
Private industry .....	2,686	18.05	18.40	15.00 – 21.61	–	–	–	7	5	8	4	4	4	3	34	2	1	12	9	( <sup>2</sup> )	5	1	1	( <sup>2</sup> )	–	–	–	–		
Goods-producing industries .....	2,648	17.95	18.40	15.00 – 21.61	–	–	–	7	5	8	4	4	4	3	34	2	1	12	9	( <sup>2</sup> )	4	1	1	( <sup>2</sup> )	–	–	–	–		
Manufacturing .....	2,417	17.68	18.05	14.11 – 21.61	–	–	–	8	6	9	4	4	4	3	33	2	1	13	10	( <sup>2</sup> )	( <sup>2</sup> )	1	1	( <sup>2</sup> )	–	–	–	–		
State and local government .....	2,417	17.68	18.05	14.11 – 21.61	–	–	–	8	6	9	4	4	4	3	33	2	1	13	10	( <sup>2</sup> )	( <sup>2</sup> )	1	1	( <sup>2</sup> )	–	–	–	–		
<b>Maintenance Mechanics, Motor Vehicle .....</b>																														
Private industry .....	4,087	18.70	19.72	17.13 – 21.13	–	( <sup>2</sup> )	( <sup>2</sup> )	1	8	2	1	8	2	12	4	17	8	28	3	( <sup>2</sup> )	2	( <sup>2</sup> )	( <sup>2</sup> )	–	1	–	–	–		
Goods-producing industries .....	2,041	16.76	17.71	14.00 – 19.10	–	1	1	3	16	4	2	16	2	19	3	16	8	5	2	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	–	2	–	–	–			
Manufacturing .....	698	18.10	17.71	17.71 – 19.00	–	–	–	–	4	7	3	9	–	38	5	22	3	1	–	( <sup>2</sup> )	1	( <sup>2</sup> )	( <sup>2</sup> )	–	6	–	–	–		
Service-producing industries .....	622	17.59	17.71	17.71 – 19.00	–	–	–	–	4	8	3	4	–	43	6	25	3	1	–	( <sup>2</sup> )	1	( <sup>2</sup> )	( <sup>2</sup> )	–	( <sup>2</sup> )	–	–	–		
State and local government .....	1,343	16.07	15.50	12.00 – 19.20	–	1	1	4	23	2	2	19	3	9	2	13	10	7	2	–	–	–	–	–	–	–	–	–		
State and local government .....	2,046	20.63	21.13	19.72 – 21.13	–	–	–	–	( <sup>2</sup> )	–	( <sup>2</sup> )	( <sup>2</sup> )	2	6	5	18	8	52	5	( <sup>2</sup> )	4	–	–	–	–	–	–	–		
<b>Tool and Die Makers .....</b>																														
Private industry .....	809	19.21	18.05	17.30 – 21.08	–	–	–	–	–	–	–	–	6	26	21	5	12	14	14	2	–	–	–	–	–	–	–	–		
Goods-producing industries .....	809	19.21	18.05	17.30 – 21.08	–	–	–	–	–	–	–	–	6	26	21	5	12	14	14	2	–	–	–	–	–	–	–	–		
Manufacturing .....	809	19.21	18.05	17.30 – 21.08	–	–	–	–	–	–	–	–	6	26	21	5	12	14	14	2	–	–	–	–	–	–	–	–		

<sup>1</sup> Excludes premium pay for overtime and for work on weekends, holidays, and late shifts. Also excluded are performance bonuses and lump-sum payments of the type negotiated in the auto and aerospace industries, as well as profit-sharing payments, attendance bonuses, Christmas or year-end bonuses, and other nonproduction bonuses. Pay increases, but not bonuses, under cost-of-living clauses, and incentive payments, however, are included. See Appendix A for definitions and methods used to compute means, medians, and middle ranges.

<sup>2</sup> Less than 0.5 percent.

NOTE: Because of rounding, sums of individual intervals may not equal 100 percent. Dashes indicate that no data were reported or that data did not meet publication criteria. Overall occupation or occupational levels may include data for categories not shown separately.

**Table A-5. All establishments: Hourly pay of material movement and custodial occupations, Los Angeles-Long Beach, CA, December 1995**

Occupation and level	Number of workers	Hourly pay (in dollars) <sup>1</sup>			Percent of workers receiving straight-time hourly pay (in dollars) of—																							
		Mean	Median	Middle range	4.25 and under 4.50	4.50 - 5.00	5.00 - 5.50	5.50 - 6.00	6.00 - 6.50	6.50 - 7.00	7.00 - 7.50	7.50 - 8.00	8.00 - 8.50	8.50 - 9.00	9.00 - 10.00	10.00 - 11.00	11.00 - 12.00	12.00 - 13.00	13.00 - 14.00	14.00 - 15.00	15.00 - 16.00	16.00 - 17.00	17.00 - 18.00	18.00 - 19.00	19.00 - 20.00	20.00 - 21.00	21.00 and over	
<b>Forklift Operators:</b>																												
Private industry:																												
Goods-producing industries .....	1,846	\$10.98	\$10.67	\$8.33 – \$13.89	–	–	1	4	4	3	5	2	6	1	17	8	20	2	2	8	12	–	( <sup>2</sup> )	1	4	–	–	
<b>Guards</b>																												
Level I .....	18,832	6.85	6.25	5.97 – 7.25	( <sup>2</sup> )	2	5	19	30	14	9	6	5	3	3	1	1	1	( <sup>2</sup> )	2	( <sup>2</sup> )	( <sup>2</sup> )	–	–	–	–	–	
Private industry .....	18,266	6.65	6.25	5.90 – 7.00	( <sup>2</sup> )	2	5	19	31	14	9	6	5	3	3	1	1	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	–	–	–	–	–		
Service-producing industries .....	18,047	6.62	6.25	5.90 – 7.00	( <sup>2</sup> )	2	5	19	32	14	9	6	5	3	3	1	1	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	–	–	–	–	–		
State and local government .....	566	13.37	14.69	12.09 – 14.69	–	–	–	–	–	–	–	–	( <sup>2</sup> )	3	4	10	6	10	8	57	2	–	–	–	–	–	–	
Level II .....	3,353	11.83	12.03	8.75 – 13.56	–	–	–	–	–	–	1	3	12	10	7	3	6	25	9	3	9	6	( <sup>2</sup> )	–	–	–	–	
Private industry .....	2,842	11.33	12.02	8.50 – 12.85	–	–	–	–	–	–	2	3	15	11	9	3	5	29	8	2	2	5	7	( <sup>2</sup> )	–	–	–	
Service-producing industries .....	2,463	10.56	11.60	8.50 – 12.03	–	–	–	–	–	–	2	4	17	13	10	3	6	33	8	2	2	( <sup>2</sup> )	–	–	–	–	–	
State and local government .....	511	14.58	15.03	13.49 – 15.86	–	–	–	–	–	–	–	–	–	–	–	3	8	3	16	12	45	14	–	–	–	–	–	
<b>Janitors</b>																												
Private industry .....	32,406	7.70	6.80	5.25 – 9.91	2	10	16	9	7	5	4	3	3	3	12	6	11	5	1	1	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	–	–	–	–	
Goods-producing industries .....	25,148	6.83	6.00	5.08 – 8.00	3	13	21	12	10	7	6	4	3	4	5	5	6	2	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	–	–	–	–	–	
Manufacturing .....	2,421	7.13	5.71	5.16 – 7.74	2	–	41	8	3	6	10	6	1	6	3	3	2	2	2	1	1	3	( <sup>2</sup> )	–	–	–	–	
Service-producing industries .....	2,421	7.13	5.71	5.16 – 7.74	2	–	41	8	3	6	10	6	1	6	3	3	2	2	2	1	1	3	( <sup>2</sup> )	–	–	–	–	
State and local government .....	22,727	6.80	6.00	5.05 – 8.00	3	14	19	13	10	7	5	4	3	4	5	5	6	2	( <sup>2</sup> )	–	–	( <sup>2</sup> )	–	–	–	–	–	
State and local government .....	7,258	10.71	10.75	9.18 – 11.76	–	–	–	–	–	–	–	( <sup>2</sup> )	4	2	36	12	26	15	2	3	( <sup>2</sup> )	( <sup>2</sup> )	–	–	–	–	–	
<b>Material Handling Laborers</b>																												
Private industry .....	2,931	6.57	6.23	5.50 – 7.75	9	4	10	18	15	11	3	13	5	1	8	5	–	–	–	–	–	–	–	–	–	–	–	
Private industry .....	2,929	6.56	6.21	5.50 – 7.75	9	4	10	18	15	11	3	13	5	1	8	5	–	–	–	–	–	–	–	–	–	–	–	
<b>Shipping/Receiving Clerks</b>																												
Private industry .....	4,302	10.72	10.47	8.20 – 12.04	–	–	( <sup>2</sup> )	2	( <sup>2</sup> )	4	11	5	7	6	10	14	15	6	3	7	( <sup>2</sup> )	1	5	–	–	–	3	
Private industry .....	4,220	10.66	10.22	8.00 – 11.94	–	–	( <sup>2</sup> )	2	( <sup>2</sup> )	4	11	5	7	6	10	14	15	5	3	6	( <sup>2</sup> )	1	5	–	–	–	3	
Goods-producing industries .....	1,342	9.87	9.30	7.25 – 11.00	–	–	–	7	–	–	19	8	12	1	8	18	9	1	1	11	( <sup>2</sup> )	4	1	–	–	–	–	
Manufacturing .....	1,342	9.87	9.30	7.25 – 11.00	–	–	–	7	–	–	19	8	12	1	8	18	9	1	1	11	( <sup>2</sup> )	4	1	–	–	–	–	
<b>Truckdrivers</b>																												
Light Truck:																												
State and local government .....	144	12.93	12.96	10.74 – 14.13	–	–	–	–	–	–	–	–	–	1	–	24	16	19	4	26	–	–	–	10	–	–	–	
Medium Truck .....	9,026	14.74	15.22	11.80 – 19.99	–	–	–	–	2	2	2	5	( <sup>2</sup> )	( <sup>2</sup> )	2	5	5	5	4	5	29	4	1	1	3	23	–	
Private industry .....	8,597	14.69	15.22	11.60 – 19.99	–	–	–	–	2	2	3	6	1	( <sup>2</sup> )	2	5	6	6	4	5	28	3	1	1	3	24	–	
Service-producing industries .....	5,194	16.08	15.97	12.90 – 20.04	–	–	–	–	4	1	–	–	1	–	3	5	4	8	5	9	11	4	1	1	4	39	–	
State and local government .....	429	15.71	15.74	15.74 – 16.62	–	–	–	–	–	–	–	–	–	–	–	–	–	1	13	4	45	27	8	1	–	–	–	
Heavy Truck:																												
State and local government .....	345	16.84	17.08	14.81 – 18.05	–	–	–	–	–	–	–	–	–	–	–	–	( <sup>2</sup> )	–	1	26	5	9	12	38	8	–	–	
Tractor Trailer .....	10,445	15.67	16.85	14.08 – 16.85	–	–	–	–	–	–	–	–	–	–	1	6	3	3	9	12	5	47	8	1	1	5	–	
Private industry .....	10,047	15.59	16.85	14.08 – 16.85	–	–	–	–	–	–	–	–	–	–	1	7	3	3	9	12	5	47	6	1	1	5	–	
Goods-producing industries .....	2,241	13.98	14.08	13.82 – 15.32	–	–	–	–	–	–	–	–	–	–	4	3	10	4	21	27	22	–	5	1	3	–	–	
Manufacturing .....	2,241	13.98	14.08	13.82 – 15.32	–	–	–	–	–	–	–	–	–	–	4	3	10	4	21	27	22	–	5	1	3	–	–	
Service-producing industries .....	7,806	16.06	16.85	15.17 – 16.85	–	–	–	–	–	–	–	–	–	–	–	7	1	3	6	8	1	61	7	1	( <sup>2</sup> )	6	–	
State and local government .....	398	17.53	17.05	16.59 – 17.99	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4	35	40	3	–	18	–	

See footnotes at end of table.



**Table A-5. All establishments: Hourly pay of material movement and custodial occupations, Los Angeles-Long Beach, CA, December 1995 — Continued**

Occupation and level	Number of workers	Hourly pay (in dollars) <sup>1</sup>			Percent of workers receiving straight-time hourly pay (in dollars) of—																						
		Mean	Median	Middle range	4.25 and under 4.50	4.50 - 5.00	5.00 - 5.50	5.50 - 6.00	6.00 - 6.50	6.50 - 7.00	7.00 - 7.50	7.50 - 8.00	8.00 - 8.50	8.50 - 9.00	9.00 - 10.00	10.00 - 11.00	11.00 - 12.00	12.00 - 13.00	13.00 - 14.00	14.00 - 15.00	15.00 - 16.00	16.00 - 17.00	17.00 - 18.00	18.00 - 19.00	19.00 - 20.00	20.00 - 21.00	21.00 and over
<b>Warehouse Specialists .....</b>	9,192	\$13.47	\$14.65	\$11.10 - \$14.79	—	—	( <sup>2</sup> )	1	2	1	( <sup>2</sup> )	( <sup>2</sup> )	1	2	9	7	9	8	5	31	1	6	16	1	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Private industry .....	8,683	13.46	14.79	11.10 - 14.89	—	—	( <sup>2</sup> )	1	2	1	( <sup>2</sup> )	( <sup>2</sup> )	1	2	9	8	9	8	4	31	( <sup>2</sup> )	6	17	1	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Goods-producing industries .....	4,377	13.32	14.79	11.10 - 14.79	—	—	1	2	4	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	1	3	2	3	12	6	2	55	( <sup>2</sup> )	2	6	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Manufacturing .....	4,321	13.32	14.79	11.10 - 14.79	—	—	1	2	4	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	1	3	2	3	12	6	2	55	( <sup>2</sup> )	1	6	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
State and local government .....	509	13.68	14.04	13.05 - 14.25	—	—	—	—	—	—	—	—	—	—	—	2	6	14	28	41	5	—	4	( <sup>2</sup> )	—	—	—

<sup>1</sup> Excludes premium pay for overtime and for work on weekends, holidays, and late shifts. Also excluded are performance bonuses and lump-sum payments of the type negotiated in the auto and aerospace industries, as well as profit-sharing payments, attendance bonuses, Christmas or year-end bonuses, and other nonproduction bonuses. Pay increases, but not bonuses, under cost-of-living clauses, and incentive payments, however, are included. See Appendix A for definitions and methods used to compute means, medians, and middle ranges.

<sup>2</sup> Less than 0.5 percent.

NOTE: Because of rounding, sums of individual intervals may not equal 100 percent. Dashes indicate that no data were reported or that data did not meet publication criteria. Overall occupation or occupational levels may include data for categories not shown separately.

**Table A-6. Establishments employing 500 workers or more: Weekly hours and pay of professional and administrative occupations, Los Angeles-Long Beach, CA, December 1995**

Occupation and level	Number of workers	Average weekly hours <sup>1</sup> (standard)	Weekly pay (in dollars) <sup>2</sup>				Percent of workers receiving straight-time weekly pay (in dollars) of—																					
			Mean	Median	Middle range		450 and under 500	500 - 550	550 - 600	600 - 700	700 - 800	800 - 900	900 - 1000	1000 - 1100	1100 - 1200	1200 - 1300	1300 - 1400	1400 - 1500	1500 - 1600	1600 - 1700	1700 - 1800	1800 - 1900	1900 - 2000	2000 - 2100	2100 - 2200	2200 - 2400	2400 - 2600	
PROFESSIONAL OCCUPATIONS																												
Accountants																												
Level I .....	328	39.8	\$620	\$614	\$568	—	\$705	1	18	23	32	25	( <sup>3</sup> )	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Private industry .....	162	39.6	576	592	508	—	625	1	37	14	48	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
State and local government .....	166	40.0	662	690	599	—	705	—	—	33	17	49	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Level II .....	1,017	39.8	693	707	636	—	765	1	4	9	34	45	6	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Private industry .....	612	39.7	672	664	605	—	738	1	7	14	43	26	7	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Goods-producing industries .....	190	40.0	679	663	628	—	709	—	—	6	64	23	7	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing .....	190	40.0	679	663	628	—	709	—	—	6	64	23	7	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Service-producing industries .....	422	39.6	669	668	589	—	752	2	10	18	34	27	7	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
State and local government .....	405	40.0	725	707	707	—	765	—	—	1	19	73	5	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Level III .....	1,128	39.9	861	850	789	—	953	—	( <sup>3</sup> )	( <sup>3</sup> )	7	28	30	23	9	2	( <sup>3</sup> )	( <sup>3</sup> )	—	—	—	—	—	—	—	—	—	—
Private industry .....	677	39.8	849	825	745	—	923	—	1	( <sup>3</sup> )	10	32	26	13	13	3	( <sup>3</sup> )	1	—	—	—	—	—	—	—	—	—	—
Goods-producing industries .....	252	40.0	849	818	752	—	923	—	—	—	6	36	25	20	6	6	—	( <sup>3</sup> )	—	—	—	—	—	—	—	—	—	—
Manufacturing .....	252	40.0	849	818	752	—	923	—	—	—	6	36	25	20	6	6	—	( <sup>3</sup> )	—	—	—	—	—	—	—	—	—	—
Service-producing industries .....	425	39.7	849	842	732	—	940	—	1	( <sup>3</sup> )	12	29	27	9	18	2	1	1	—	—	—	—	—	—	—	—	—	—
State and local government .....	451	40.0	878	885	806	—	961	—	—	—	2	22	34	39	2	( <sup>3</sup> )	—	—	—	—	—	—	—	—	—	—	—	—
Level IV .....	696	39.9	1,043	1,058	945	—	1,154	—	—	—	—	5	10	30	15	30	6	3	1	—	—	( <sup>3</sup> )	—	—	—	—	—	—
Private industry .....	479	39.9	1,023	990	945	—	1,154	—	—	—	—	7	13	33	17	22	3	4	1	—	—	1	—	—	—	—	—	—
Goods-producing industries .....	165	40.0	1,026	995	910	—	1,087	—	—	—	—	1	21	34	20	8	7	6	2	—	—	—	—	—	—	—	—	—
Manufacturing .....	165	40.0	1,026	995	910	—	1,087	—	—	—	—	1	21	34	20	8	7	6	2	—	—	—	—	—	—	—	—	—
Service-producing industries .....	314	39.9	1,021	981	952	—	1,154	—	—	—	—	10	8	33	15	29	1	2	( <sup>3</sup> )	—	—	—	1	—	—	—	—	—
State and local government .....	217	40.0	1,087	1,104	980	—	1,165	—	—	—	—	—	4	21	12	49	12	1	—	—	—	—	—	—	—	—	—	—
Level V .....	251	39.8	1,353	1,376	1,179	—	1,477	—	—	—	—	—	—	3	8	18	12	16	19	6	12	4	( <sup>3</sup> )	—	—	—	—	—
Private industry .....	189	39.7	1,345	1,335	1,152	—	1,487	—	—	—	—	—	—	4	10	18	12	12	20	7	12	3	1	2	—	—	—	—
Goods-producing industries .....	81	40.0	1,343	1,320	1,219	—	1,545	—	—	—	—	—	—	5	7	12	21	17	4	16	17	—	—	—	—	—	—	—
Manufacturing .....	81	40.0	1,343	1,320	1,219	—	1,545	—	—	—	—	—	—	5	7	12	21	17	4	16	17	—	—	—	—	—	—	—
Service-producing industries .....	108	39.4	1,347	1,407	1,134	—	1,436	—	—	—	—	—	—	4	11	22	6	7	32	1	8	5	1	3	—	—	—	—
State and local government .....	62	40.0	1,377	1,378	1,257	—	1,477	—	—	—	—	—	—	—	2	19	13	31	16	3	10	6	—	—	—	—	—	—
Attorneys																												
Level II:																												
State and local government .....	25	40.0	1,169	1,186	1,135	—	1,257	—	—	—	—	—	24	—	—	32	28	8	—	8	—	—	—	—	—	—	—	—
Level III .....	273	39.5	1,392	1,284	1,076	—	1,682	—	—	—	—	—	—	—	29	6	17	6	4	8	8	12	6	—	—	—	1	3
State and local government .....	149	40.0	1,263	1,076	1,076	—	1,453	—	—	—	—	—	—	—	52	5	5	7	7	5	5	14	—	—	—	—	—	—
Level IV .....	421	39.8	1,605	1,615	1,328	—	1,790	—	—	—	—	—	—	—	10	8	17	2	6	17	17	3	1	18	—	( <sup>3</sup> )	—	
Private industry .....	169	39.4	1,578	1,615	1,446	—	1,676	—	—	—	—	—	—	—	2	9	12	5	13	39	9	6	2	1	—	1	—	
State and local government .....	252	40.0	1,624	1,750	1,308	—	2,015	—	—	—	—	—	—	—	—	16	7	20	—	2	2	22	2	—	29	—	—	—

See footnotes at end of table.

**Table A-6. Establishments employing 500 workers or more: Weekly hours and pay of professional and administrative occupations, Los Angeles-Long Beach, CA, December 1995 — Continued**

Occupation and level	Number of workers	Average weekly hours <sup>1</sup> (standard)	Weekly pay (in dollars) <sup>2</sup>				Percent of workers receiving straight-time weekly pay (in dollars) of—																							
			Mean	Median	Middle range		450 and under 500	500 - 550	550 - 600	600 - 700	700 - 800	800 - 900	900 - 1000	1000 - 1100	1100 - 1200	1200 - 1300	1300 - 1400	1400 - 1500	1500 - 1600	1600 - 1700	1700 - 1800	1800 - 1900	1900 - 2000	2000 - 2100	2100 - 2200	2200 - 2400	2400 - 2600			
Engineers																														
Level I .....	388	40.0	\$690	\$680	\$642	—	\$725	—	2	4	62	26	6	( <sup>3</sup> )	1	—	—	—	—	—	—	—	—	—	—	—	—			
State and local government .....	47	40.0	797	791	791	—	791	—	—	—	4	79	11	2	4	—	—	—	—	—	—	—	—	—	—	—	—			
Level II .....	2,803	40.0	863	874	779	—	928	—	—	—	5	28	37	18	10	2	( <sup>3</sup> )	—	—	—	—	—	—	—	—	—	—			
Private industry .....	1,819	40.0	831	800	751	—	899	—	—	—	7	41	27	16	7	2	( <sup>3</sup> )	—	—	—	—	—	—	—	—	—	—			
Goods-producing industries .....	1,813	40.0	831	800	751	—	900	—	—	—	7	41	27	16	7	2	( <sup>3</sup> )	—	—	—	—	—	—	—	—	—	—			
Manufacturing .....	1,813	40.0	831	800	751	—	900	—	—	—	7	41	27	16	7	2	( <sup>3</sup> )	—	—	—	—	—	—	—	—	—	—			
State and local government .....	984	40.0	922	893	893	—	974	—	—	—	( <sup>3</sup> )	4	57	23	15	1	—	—	—	—	—	—	—	—	—	—	—			
Level III .....	6,240	40.0	1,003	988	896	—	1,107	—	—	—	—	5	21	28	20	20	4	2	( <sup>3</sup> )	( <sup>3</sup> )	—	—	—	—	—	—	—			
Private industry .....	4,434	40.0	966	942	869	—	1,048	—	—	—	—	6	29	30	18	11	4	1	( <sup>3</sup> )	( <sup>3</sup> )	—	—	—	—	—	—	—			
Goods-producing industries .....	4,386	40.0	966	941	870	—	1,048	—	—	—	—	6	29	30	18	11	4	1	( <sup>3</sup> )	( <sup>3</sup> )	—	—	—	—	—	—	—			
Manufacturing .....	4,386	40.0	966	941	870	—	1,048	—	—	—	—	6	29	30	18	11	4	1	( <sup>3</sup> )	( <sup>3</sup> )	—	—	—	—	—	—	—			
State and local government .....	1,806	40.0	1,095	1,085	988	—	1,158	—	—	—	—	( <sup>3</sup> )	2	24	26	43	3	2	( <sup>3</sup> )	( <sup>3</sup> )	—	—	—	—	—	—	—			
Level IV .....	6,857	40.0	1,187	1,175	1,065	—	1,300	—	—	—	—	—	1	11	23	21	20	16	6	3	1	( <sup>3</sup> )	( <sup>3</sup> )	—	—	—	—			
Private industry .....	5,475	40.0	1,171	1,148	1,049	—	1,267	—	—	—	—	—	1	13	24	24	18	11	6	3	1	( <sup>3</sup> )	( <sup>3</sup> )	—	—	—	—			
Goods-producing industries .....	5,391	40.0	1,171	1,147	1,048	—	1,268	—	—	—	—	—	1	13	24	24	18	11	6	3	1	( <sup>3</sup> )	( <sup>3</sup> )	—	—	—	—			
Manufacturing .....	5,391	40.0	1,171	1,147	1,048	—	1,268	—	—	—	—	1	13	24	24	18	11	6	3	1	( <sup>3</sup> )	( <sup>3</sup> )	—	—	—	—	—			
State and local government .....	1,382	40.0	1,249	1,272	1,157	—	1,304	—	—	—	—	—	1	3	18	5	27	36	5	4	—	—	—	—	—	—	—			
Level V .....	5,054	40.0	1,390	1,371	1,254	—	1,517	—	—	—	—	—	—	( <sup>3</sup> )	3	11	19	22	18	14	8	3	1	1	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	—		
Private industry .....	4,494	40.0	1,385	1,371	1,253	—	1,501	—	—	—	—	—	—	( <sup>3</sup> )	3	12	19	21	19	13	7	3	1	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	—		
Goods-producing industries .....	4,249	40.0	1,383	1,366	1,249	—	1,502	—	—	—	—	—	—	( <sup>3</sup> )	4	12	20	21	18	13	8	3	1	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	—		
Manufacturing .....	4,249	40.0	1,383	1,366	1,249	—	1,502	—	—	—	—	—	—	( <sup>3</sup> )	4	12	20	21	18	13	8	3	1	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	—		
State and local government .....	560	40.0	1,433	1,362	1,290	—	1,532	—	—	—	—	—	—	( <sup>3</sup> )	—	1	4	21	26	6	23	12	4	2	2	—	—	—		
Level VI .....	2,055	40.0	1,627	1,636	1,494	—	1,762	—	—	—	—	—	—	—	—	1	3	9	12	18	18	19	12	6	1	( <sup>3</sup> )	—	—		
Private industry .....	1,845	40.0	1,632	1,639	1,500	—	1,772	—	—	—	—	—	—	—	—	1	3	8	13	17	19	18	13	7	1	( <sup>3</sup> )	—	—		
Goods-producing industries .....	1,742	40.0	1,631	1,638	1,485	—	1,781	—	—	—	—	—	—	—	—	1	4	9	13	17	17	17	14	7	1	( <sup>3</sup> )	—	—		
Manufacturing .....	1,742	40.0	1,631	1,638	1,485	—	1,781	—	—	—	—	—	—	—	—	1	4	9	13	17	17	17	14	7	1	( <sup>3</sup> )	—	—		
State and local government .....	210	40.0	1,583	1,520	1,438	—	1,749	—	—	—	—	—	—	—	—	( <sup>3</sup> )	1	20	8	28	7	30	4	—	2	—	—	—		
Level VII .....	400	40.0	1,793	1,776	1,658	—	1,910	—	—	—	—	—	—	—	—	—	—	1	4	14	8	27	18	14	7	2	3	( <sup>3</sup> )		
ADMINISTRATIVE OCCUPATIONS																														
Budget Analysts																														
Level II .....	108	38.6	644	640	580	—	695	3	7	21	44	22	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
State and local government .....	12	40.0	767	—	—	—	—	—	—	—	8	83	8	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
Level III .....	141	39.9	861	866	779	—	962	—	—	—	6	27	27	40	1	—	—	—	—	—	—	—	—	—	—	—	—			
Private industry .....	115	39.9	845	854	749	—	962	—	—	—	7	32	28	32	1	—	—	—	—	—	—	—	—	—	—	—	—			
State and local government .....	26	40.0	929	927	873	—	998	—	—	—	—	4	23	73	—	—	—	—	—	—	—	—	—	—	—	—	—			
Level IV .....	99	40.0	987	984	851	—	1,078	—	—	—	—	6	28	18	26	7	14	—	—	—	—	—	—	—	—	—	—			
State and local government .....	20	40.0	1,213	1,265	1,187	—	1,265	—	—	—	—	—	—	—	20	10	70	—	—	—	—	—	—	—	—	—	—			

See footnotes at end of table.

**Table A-6. Establishments employing 500 workers or more: Weekly hours and pay of professional and administrative occupations, Los Angeles-Long Beach, CA, December 1995 — Continued**

Occupation and level	Number of workers	Average weekly hours <sup>1</sup> (standard)	Weekly pay (in dollars) <sup>2</sup>					Percent of workers receiving straight-time weekly pay (in dollars) of—																							
			Mean	Median	Middle range			450 and under 500	500 - 550	550 - 600	600 - 700	700 - 800	800 - 900	900 - 1000	1000 - 1100	1100 - 1200	1200 - 1300	1300 - 1400	1400 - 1500	1500 - 1600	1600 - 1700	1700 - 1800	1800 - 1900	1900 - 2000	2000 - 2100	2100 - 2200	2200 - 2400	2400 - 2600			
<b>Buyers/Contracting Specialists</b>																															
Level I .....	76	39.8	\$607	—	—	—	—	9	12	24	45	11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Private industry .....	56	39.7	595	—	—	—	—	13	13	27	39	9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
State and local government .....	20	40.0	640	\$634	\$607	—	\$659	—	10	15	60	15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Level II .....	897	40.0	682	670	610	—	739	1	7	15	40	24	10	3	( <sup>3</sup> )	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Private industry .....	745	39.9	671	656	598	—	717	1	8	18	41	21	9	2	( <sup>3</sup> )	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Goods-producing industries .....	340	40.0	707	699	636	—	774	2	—	6	41	34	12	3	( <sup>3</sup> )	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Manufacturing .....	340	40.0	707	699	636	—	774	2	—	6	41	34	12	3	( <sup>3</sup> )	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Service-producing industries .....	405	39.9	640	623	583	—	673	—	15	27	41	10	6	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
State and local government .....	152	40.0	738	714	675	—	795	—	—	1	38	38	16	7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Level III .....	749	40.0	857	845	772	—	926	—	—	—	1	32	32	28	6	2	( <sup>3</sup> )	—	—	—	—	—	—	—	—	—	—	—	—		
Private industry .....	664	40.0	851	838	773	—	917	—	—	—	1	32	34	27	5	1	—	—	—	—	—	—	—	—	—	—	—	—	—		
Goods-producing industries .....	582	40.0	847	836	770	—	911	—	—	—	1	34	35	25	6	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Manufacturing .....	582	40.0	847	836	770	—	911	—	—	—	1	34	35	25	6	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
State and local government .....	85	40.0	906	908	762	—	998	—	—	—	1	31	9	38	12	8	1	—	—	—	—	—	—	—	—	—	—	—	—		
Level IV .....	547	40.0	1,017	1,010	934	—	1,090	—	—	—	—	3	14	28	34	13	6	1	1	—	—	—	—	—	—	—	—	—	—		
Private industry .....	507	40.0	1,016	1,010	942	—	1,090	—	—	—	—	2	13	30	36	13	6	( <sup>3</sup> )	—	—	—	—	—	—	—	—	—	—	—		
Goods-producing industries .....	465	40.0	1,018	1,010	946	—	1,092	—	—	—	—	2	12	31	34	14	6	( <sup>3</sup> )	—	—	—	—	—	—	—	—	—	—	—		
Manufacturing .....	465	40.0	1,018	1,010	946	—	1,092	—	—	—	—	2	12	31	34	14	6	( <sup>3</sup> )	—	—	—	—	—	—	—	—	—	—	—		
State and local government .....	40	40.0	1,040	986	872	—	1,244	—	—	—	—	7	38	5	15	7	10	10	7	—	—	—	—	—	—	—	—	—	—		
<b>Computer Programmers</b>																															
Level II .....	150	39.7	693	666	634	—	735	1	4	7	52	22	10	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Private industry .....	125	39.6	681	666	634	—	728	1	5	8	58	16	12	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
State and local government .....	25	40.0	755	735	721	—	792	—	—	—	24	52	—	24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Level III .....	640	39.7	856	846	767	—	961	—	—	—	6	31	31	19	13	1	—	—	—	—	—	—	—	—	—	—	—	—	—		
Private industry .....	543	39.7	853	841	767	—	952	—	—	—	7	33	28	16	15	1	—	—	—	—	—	—	—	—	—	—	—	—	—		
State and local government .....	97	40.0	873	876	831	—	961	—	—	—	—	19	46	33	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Level IV:																															
State and local government .....	48	40.0	1,141	1,178	1,093	—	1,178	—	—	—	—	—	2	4	19	75	—	—	—	—	—	—	—	—	—	—	—	—	—		
<b>Computer Systems Analysts</b>																															
Level I .....	590	39.9	807	789	730	—	871	—	1	1	14	36	27	19	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Private industry .....	366	39.8	809	806	751	—	878	—	1	1	14	33	29	19	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Service-producing industries .....	227	39.7	820	837	763	—	878	—	1	2	7	33	35	19	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
State and local government .....	224	40.0	804	787	720	—	861	—	—	—	14	42	23	20	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Level II .....	1,882	39.8	1,004	1,003	920	—	1,071	—	—	( <sup>3</sup> )	1	2	19	27	35	13	3	1	( <sup>3</sup> )	—	—	—	—	—	—	—	—	—	—		
Private industry .....	1,237	39.7	1,000	991	892	—	1,092	—	—	( <sup>3</sup> )	1	3	23	25	30	13	3	2	( <sup>3</sup> )	—	—	—	—	—	—	—	—	—	—		
Goods-producing industries .....	292	40.0	975	988	891	—	1,058	—	—	—	—	8	20	28	33	10	1	( <sup>3</sup> )	—	—	—	—	—	—	—	—	—	—	—		
Manufacturing .....	292	40.0	975	988	891	—	1,058	—	—	—	—	8	20	28	33	10	1	( <sup>3</sup> )	—	—	—	—	—	—	—	—	—	—	—		
Service-producing industries .....	945	39.6	1,008	999	892	—	1,096	—	—	( <sup>3</sup> )	1	1	23	24	29	14	4	3	( <sup>3</sup> )	—	—	—	—	—	—	—	—	—	—		
State and local government .....	645	40.0	1,013	1,035	925	—	1,069	—	—	—	—	( <sup>3</sup> )	12	30	43	12	3	—	—	—	—	—	—	—	—	—	—	—	—		

See footnotes at end of table.

**Table A-6. Establishments employing 500 workers or more: Weekly hours and pay of professional and administrative occupations, Los Angeles-Long Beach, CA, December 1995 — Continued**

Occupation and level	Number of workers	Average weekly hours <sup>1</sup> (standard)	Weekly pay (in dollars) <sup>2</sup>			Percent of workers receiving straight-time weekly pay (in dollars) of—																									
			Mean	Median	Middle range	450 and under 500	500 - 550	550 - 600	600 - 700	700 - 800	800 - 900	900 - 1000	1000 - 1100	1100 - 1200	1200 - 1300	1300 - 1400	1400 - 1500	1500 - 1600	1600 - 1700	1700 - 1800	1800 - 1900	1900 - 2000	2000 - 2100	2100 - 2200	2200 - 2400	2400 - 2600					
Level III .....	1,295	40.0	\$1,180	\$1,160	\$1,081 - \$1,268	-	-	-	-	( <sup>3</sup> )	1	3	23	31	26	9	7	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	-	-	-	-	-	-	-				
Private industry .....	854	39.9	1,199	1,195	1,109 - 1,280	-	-	-	-	( <sup>3</sup> )	2	4	16	29	29	11	9	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	-	-	-	-	-	-	-				
Goods-producing industries .....	331	40.0	1,193	1,174	1,091 - 1,276	-	-	-	-	-	1	3	23	29	22	11	12	-	-	-	-	-	-	-	-	-	-				
Manufacturing .....	331	40.0	1,193	1,174	1,091 - 1,276	-	-	-	-	-	1	3	23	29	22	11	12	-	-	-	-	-	-	-	-	-	-				
Service-producing industries .....	523	39.9	1,203	1,206	1,127 - 1,280	-	-	-	-	1	2	5	11	29	33	11	8	1	( <sup>3</sup> )	1	-	-	-	-	-	-	-				
State and local government .....	441	40.0	1,145	1,157	1,056 - 1,237	-	-	-	-	( <sup>3</sup> )	1	37	34	21	5	2	-	-	-	-	-	-	-	-	-	-	-				
Level IV .....	291	40.0	1,332	1,299	1,246 - 1,438	-	-	-	-	-	( <sup>3</sup> )	1	5	44	19	22	8	1	-	-	-	-	-	-	-	-	-				
State and local government .....	122	40.0	1,250	1,246	1,228 - 1,246	-	-	-	-	-	-	2	3	87	1	6	2	-	-	-	-	-	-	-	-	-	-				
Computer Systems Analyst Supervisors/Managers																															
Level I .....	135	39.5	1,312	1,337	1,212 - 1,420	-	-	-	-	-	1	3	10	8	21	13	33	9	2	-	-	-	-	-	-	-	-				
State and local government .....	18	40.0	1,125	1,099	1,023 - 1,154	-	-	-	-	-	-	22	28	28	6	11	-	6	-	-	-	-	-	-	-	-	-				
Level II .....	174	39.9	1,575	1,475	1,454 - 1,734	-	-	-	-	-	-	-	1	1	2	6	48	9	6	6	10	7	3	-	-	-	-				
Private industry .....	110	39.8	1,641	1,600	1,440 - 1,800	-	-	-	-	-	-	-	-	1	4	4	27	14	9	9	16	12	5	-	-	-	-				
State and local government .....	64	40.0	1,463	1,475	1,475 - 1,475	-	-	-	-	-	-	-	2	-	-	9	84	2	2	2	-	-	-	-	-	-	-				
Level III:																															
State and local government .....	20	40.0	1,750	1,749	1,749 - 1,749	-	-	-	-	-	-	-	-	-	-	-	-	5	90	5	-	-	-	-	-	-	-				
Personnel Specialists																															
Level II .....	669	40.0	673	673	602 - 747	-	15	4	37	30	12	( <sup>3</sup> )	( <sup>3</sup> )	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Private industry .....	580	40.0	673	673	615 - 747	-	18	5	32	33	12	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Goods-producing industries .....	155	40.0	717	726	638 - 775	-	11	6	19	41	21	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Manufacturing .....	155	40.0	717	726	638 - 775	-	11	6	19	41	21	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Service-producing industries .....	425	39.9	657	650	615 - 736	-	20	4	37	30	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
State and local government .....	89	40.0	672	602	602 - 734	-	-	3	65	12	18	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Level III .....	895	39.9	844	839	738 - 939	-	-	-	20	16	33	24	5	1	1	( <sup>3</sup> )	-	-	-	-	-	-	-	-	-	-	-				
Private industry .....	627	39.8	816	808	673 - 894	-	-	-	27	19	33	15	4	( <sup>3</sup> )	1	( <sup>3</sup> )	-	-	-	-	-	-	-	-	-	-	-				
Goods-producing industries .....	151	40.0	887	870	790 - 971	-	-	-	-	27	30	26	10	2	5	-	-	-	-	-	-	-	-	-	-	-	-				
Manufacturing .....	144	40.0	895	875	805 - 975	-	-	-	-	24	31	28	10	2	5	-	-	-	-	-	-	-	-	-	-	-	-				
Service-producing industries .....	476	39.8	794	794	673 - 878	-	-	-	36	16	34	11	3	-	( <sup>3</sup> )	1	-	-	-	-	-	-	-	-	-	-	-				
State and local government .....	268	40.0	910	932	837 - 991	-	-	-	4	10	32	47	6	3	-	-	-	-	-	-	-	-	-	-	-	-	-				
Level IV .....	686	40.0	1,098	1,127	1,000 - 1,183	-	-	-	-	1	6	18	21	35	18	2	( <sup>3</sup> )	-	-	-	-	-	-	-	-	-	-				
Private industry .....	400	40.0	1,101	1,102	1,003 - 1,201	-	-	-	-	( <sup>3</sup> )	6	16	26	26	21	3	( <sup>3</sup> )	-	-	-	-	-	-	-	-	-	-				
Goods-producing industries .....	200	40.0	1,058	1,068	962 - 1,150	-	-	-	-	( <sup>3</sup> )	9	24	26	26	11	1	( <sup>3</sup> )	-	-	-	-	-	-	-	-	-	-				
Manufacturing .....	200	40.0	1,058	1,068	962 - 1,150	-	-	-	-	( <sup>3</sup> )	9	24	26	26	11	1	( <sup>3</sup> )	-	-	-	-	-	-	-	-	-	-				
Service-producing industries .....	200	39.9	1,143	1,183	1,042 - 1,212	-	-	-	-	-	3	8	25	26	31	5	( <sup>3</sup> )	-	-	-	-	-	-	-	-	-	-				
State and local government .....	286	40.0	1,095	1,176	932 - 1,176	-	-	-	-	1	6	21	13	47	12	1	-	-	-	-	-	-	-	-	-	-	-				
Level V .....	206	39.9	1,312	1,339	1,154 - 1,454	-	-	-	-	-	1	1	9	20	13	22	21	9	2	( <sup>3</sup> )	-	-	-	-	-	( <sup>3</sup> )	-				
Private industry .....	143	39.9	1,265	1,250	1,135 - 1,380	-	-	-	-	-	1	2	13	26	17	21	7	8	3	1	-	-	-	-	-	1	-				
State and local government .....	63	40.0	1,418	1,454	1,388 - 1,454	-	-	-	-	-	-	-	-	6	2	25	54	13	-	-	-	-	-	-	-	-	-				

See footnotes at end of table.

**Table A-6. Establishments employing 500 workers or more: Weekly hours and pay of professional and administrative occupations, Los Angeles-Long Beach, CA, December 1995 — Continued**

Occupation and level	Number of workers	Average weekly hours <sup>1</sup> (standard)	Weekly pay (in dollars) <sup>2</sup>			Percent of workers receiving straight-time weekly pay (in dollars) of—																					
			Mean	Median	Middle range	450 and under 500	500 - 550	550 - 600	600 - 700	700 - 800	800 - 900	900 - 1000	1000 - 1100	1100 - 1200	1200 - 1300	1300 - 1400	1400 - 1500	1500 - 1600	1600 - 1700	1700 - 1800	1800 - 1900	1900 - 2000	2000 - 2100	2100 - 2200	2200 - 2400	2400 - 2600	
<b>Personnel Supervisors/Managers</b>																											
Level II .....	127	39.8	\$1,337	\$1,352	\$1,038 – \$1,529	–	–	–	–	–	1	4	24	6	9	16	13	9	11	–	8	–	–	–	–	–	–
Private industry .....	67	39.7	1,420	–	– – –	–	–	–	–	–	–	–	4	10	16	25	16	4	7	–	15	–	–	–	–	–	–
State and local government .....	60	40.0	1,245	1,038	1,038 – 1,529	–	–	–	–	–	2	8	47	–	–	5	10	13	15	–	–	–	–	–	–	–	–
Level III .....	84	39.8	1,689	1,731	1,550 – 1,766	–	–	–	–	–	–	–	–	–	1	6	10	14	15	36	11	4	–	–	–	2	1
Private industry .....	62	39.8	1,679	–	– – –	–	–	–	–	–	–	–	–	–	2	5	13	19	21	16	15	5	–	–	–	3	2
<b>Tax Collectors</b>																											
Level I .....	53	40.0	703	745	669 – 745	–	–	4	25	72	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
State and local government .....	53	40.0	703	745	669 – 745	–	–	4	25	72	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Level II .....	79	40.0	777	786	786 – 786	–	–	5	4	73	18	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
State and local government .....	79	40.0	777	786	786 – 786	–	–	5	4	73	18	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Level III .....	159	40.0	809	831	800 – 831	–	–	–	4	20	75	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
State and local government .....	159	40.0	809	831	800 – 831	–	–	–	4	20	75	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

<sup>1</sup> Standard hours reflect the workweek for which employees receive their regular straight-time salaries (exclusive of pay for overtime at regular and/or premium rates), and the earnings correspond to these weekly hours.

<sup>2</sup> Excludes premium pay for overtime and for work on weekends, holidays, and late shifts. Also excluded are performance bonuses and lump-sum payments of the type negotiated in the auto and aerospace industries, as well as profit-sharing payments, attendance bonuses, Christmas or year-end bonuses, and other nonproduction bonuses. Pay increases, but not bonuses, under cost-of-living clauses, and incentive payments, however, are included. See Appendix A for definitions and methods used to

compute means, medians, and middle ranges.

<sup>3</sup> Less than 0.5 percent.

NOTE: Because of rounding, sums of individual intervals may not equal 100 percent. Dashes indicate that no data were reported or that data did not meet publication criteria. Overall occupation or occupational levels may include data for categories not shown separately.

**Table A-7. Establishments employing 500 workers or more: Weekly hours and pay of technical and protective service occupations, Los Angeles-Long Beach, CA, December 1995**

Occupation and level	Number of workers	Average weekly hours <sup>1</sup> (standard)	Weekly pay (in dollars) <sup>2</sup>				Percent of workers receiving straight-time weekly pay (in dollars) of—																					
			Mean	Median	Middle range		350 and under 400	400 - 450	450 - 500	500 - 550	550 - 600	600 - 650	650 - 700	700 - 750	750 - 800	800 - 850	850 - 900	900 - 950	950 - 1000	1000 - 1050	1050 - 1100	1100 - 1150	1150 - 1200	1200 - 1250	1250 - 1300	1300 - 1350	1350 and over	
TECHNICAL OCCUPATIONS																												
Computer Operators																												
Level II .....	498	40.0	\$518	\$514	\$477	—	\$575	11	5	18	29	26	4	6	( <sup>3</sup> )	1	—	—	—	—	—	—	—	—	—	—	—	—
Private industry .....	392	40.0	512	514	473	—	575	14	6	18	22	32	4	4	( <sup>3</sup> )	—	—	—	—	—	—	—	—	—	—	—	—	—
Service-producing industries .....	375	40.0	512	514	472	—	575	15	6	18	22	31	4	4	( <sup>3</sup> )	—	—	—	—	—	—	—	—	—	—	—	—	—
State and local government .....	106	40.0	539	504	504	—	551	—	3	19	52	5	5	13	—	4	—	—	—	—	—	—	—	—	—	—	—	—
Level III .....	620	39.9	628	639	588	—	661	—	1	7	8	16	24	27	10	6	1	( <sup>3</sup> )	( <sup>3</sup> )	—	—	—	—	—	—	—	—	—
Private industry .....	402	39.8	614	635	556	—	657	—	2	10	11	10	22	36	6	1	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	—	—	—	—	—	—	—	—	—
Goods-producing industries .....	61	39.7	621	—	—	—	—	—	—	13	30	15	—	10	26	2	2	2	2	—	—	—	—	—	—	—	—	—
Manufacturing .....	61	39.7	621	—	—	—	—	—	—	13	30	15	—	10	26	2	2	2	2	—	—	—	—	—	—	—	—	—
Service-producing industries .....	341	39.8	613	640	556	—	657	—	2	10	7	10	26	41	2	1	( <sup>3</sup> )	—	—	—	—	—	—	—	—	—	—	—
State and local government .....	218	40.0	654	639	588	—	705	—	—	—	4	27	28	11	17	13	1	—	—	—	—	—	—	—	—	—	—	—
Level IV .....	257	39.8	714	699	664	—	756	—	—	—	1	2	5	43	23	17	4	3	2	—	1	—	—	—	—	—	—	—
Private industry .....	171	39.7	710	699	680	—	713	—	—	—	1	3	6	43	30	5	5	1	3	—	2	—	—	—	—	—	—	—
State and local government .....	86	40.0	722	744	655	—	762	—	—	—	—	1	2	42	7	40	1	7	—	—	—	—	—	—	—	—	—	—
Drafters																												
Level II:																												
State and local government .....	280	40.0	754	777	736	—	777	—	—	—	1	1	1	10	28	50	8	—	( <sup>3</sup> )	—	—	—	—	—	—	—	—	—
Level III .....	154	40.0	783	818	673	—	866	—	—	—	2	6	2	24	1	6	22	27	8	—	—	1	—	—	—	—	—	—
State and local government .....	95	40.0	857	866	820	—	866	—	—	—	—	—	—	1	—	5	36	42	14	—	—	2	—	—	—	—	—	—
Engineering Technicians																												
Level II .....	104	40.0	565	545	459	—	657	—	23	12	17	8	11	14	9	7	—	—	—	—	—	—	—	—	—	—	—	—
Private industry .....	104	40.0	565	545	459	—	657	—	23	12	17	8	11	14	9	7	—	—	—	—	—	—	—	—	—	—	—	—
Level III .....	187	40.0	645	620	584	—	690	—	—	1	12	21	22	19	9	4	10	2	—	—	—	—	—	—	—	—	—	—
Private industry .....	186	40.0	645	618	584	—	684	—	—	1	12	21	23	19	8	4	10	2	—	—	—	—	—	—	—	—	—	—
Goods-producing industries .....	172	40.0	651	624	590	—	704	—	—	1	11	18	23	20	9	5	10	2	—	—	—	—	—	—	—	—	—	—
Manufacturing .....	172	40.0	651	624	590	—	704	—	—	1	11	18	23	20	9	5	10	2	—	—	—	—	—	—	—	—	—	—
Level IV .....	559	40.0	795	830	710	—	875	—	—	—	2	3	6	11	12	8	23	15	19	1	( <sup>3</sup> )	—	—	—	—	—	—	—
Private industry .....	558	40.0	795	830	710	—	875	—	—	—	2	3	6	11	12	8	23	15	20	1	( <sup>3</sup> )	—	—	—	—	—	—	—
Engineering Technicians, Civil																												
Level I .....	15	40.0	639	639	639	—	639	—	—	—	—	—	100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
State and local government .....	15	40.0	639	639	639	—	639	—	—	—	—	—	100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Level II .....	338	40.0	797	825	716	—	883	—	—	—	( <sup>3</sup> )	1	4	9	24	7	14	35	7	—	—	—	—	—	—	—	—	—
State and local government .....	338	40.0	797	825	716	—	883	—	—	—	( <sup>3</sup> )	1	4	9	24	7	14	35	7	—	—	—	—	—	—	—	—	—
Level III .....	446	40.0	855	864	798	—	889	—	—	—	—	( <sup>3</sup> )	1	1	4	28	9	32	2	21	1	—	—	—	—	—	—	—
State and local government .....	446	40.0	855	864	798	—	889	—	—	—	—	( <sup>3</sup> )	1	1	4	28	9	32	2	21	1	—	—	—	—	—	—	—
Level IV .....	761	40.0	971	964	951	—	1,037	—	—	—	—	—	—	—	2	2	4	6	9	36	19	20	1	—	—	—	—	—
State and local government .....	755	40.0	972	964	951	—	1,037	—	—	—	—	—	—	—	2	2	4	6	8	36	20	21	1	—	—	—	—	—

See footnotes at end of table.

**Table A-7. Establishments employing 500 workers or more: Weekly hours and pay of technical and protective service occupations, Los Angeles-Long Beach, CA, December 1995 — Continued**

Occupation and level	Number of workers	Average weekly hours <sup>1</sup> (standard)	Weekly pay (in dollars) <sup>2</sup>				Percent of workers receiving straight-time weekly pay (in dollars) of—																					
			Mean	Median	Middle range		350 and under 400	400 - 450	450 - 500	500 - 550	550 - 600	600 - 650	650 - 700	700 - 750	750 - 800	800 - 850	850 - 900	900 - 950	950 - 1000	1000 - 1050	1050 - 1100	1100 - 1150	1150 - 1200	1200 - 1250	1250 - 1300	1300 - 1350	1350 and over	
Level V: State and local government .....	301	40.0	\$1,090	\$1,057	\$1,048	—	\$1,136	—	—	—	—	—	—	—	—	( <sup>3</sup> )	1	1	13	11	38	16	11	—	10	—	—	
Level VI .....	17	40.0	1,124	1,143	1,107	—	1,143	—	—	—	—	—	—	—	—	—	—	—	—	6	6	88	—	—	—	—	—	
State and local government .....	17	40.0	1,124	1,143	1,107	—	1,143	—	—	—	—	—	—	—	—	—	—	—	—	6	6	88	—	—	—	—	—	
PROTECTIVE SERVICE OCCUPATIONS																												
Corrections Officers .....	760	40.0	746	728	629	—	885	—	—	—	6	18	3	13	16	( <sup>3</sup> )	6	37	—	—	—	—	—	—	—	—	—	—
State and local government .....	760	40.0	746	728	629	—	885	—	—	—	6	18	3	13	16	( <sup>3</sup> )	6	37	—	—	—	—	—	—	—	—	—	
Firefighters: State and local government .....	4,641	50.2	986	976	974	—	1,028	—	—	—	—	—	—	4	3	5	5	6	38	16	10	6	4	3	1	( <sup>3</sup> )	—	
Police Officers Level I .....	14,638	40.0	934	936	887	—	984	—	—	—	( <sup>3</sup> )	( <sup>3</sup> )	1	( <sup>3</sup> )	4	7	6	7	43	13	7	8	2	2	( <sup>3</sup> )	—	—	
State and local government .....	14,590	40.0	935	936	887	—	984	—	—	—	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	4	7	6	7	43	13	7	8	2	2	( <sup>3</sup> )	—	—		
Level II .....	4,581	40.0	1,076	1,067	1,040	—	1,120	—	—	—	—	—	—	—	—	( <sup>3</sup> )	1	2	4	36	25	17	9	3	1	—	( <sup>3</sup> )	
State and local government .....	4,581	40.0	1,076	1,067	1,040	—	1,120	—	—	—	—	—	—	—	—	( <sup>3</sup> )	1	2	4	36	25	17	9	3	1	—	( <sup>3</sup> )	

<sup>1</sup> Standard hours reflect the workweek for which employees receive their regular straight-time salaries (exclusive of pay for overtime at regular and/or premium rates), and the earnings correspond to these weekly hours.

<sup>2</sup> Excludes premium pay for overtime and for work on weekends, holidays, and late shifts. Also excluded are performance bonuses and lump-sum payments of the type negotiated in the auto and aerospace industries, as well as profit-sharing payments, attendance bonuses, Christmas or year-end bonuses, and other nonproduction bonuses. Pay increases, but not bonuses, under cost-of-living clauses, and incentive payments, however, are included. See Appendix A for definitions and methods used to

compute means, medians, and middle ranges.

<sup>3</sup> Less than 0.5 percent.

NOTE: Because of rounding, sums of individual intervals may not equal 100 percent. Dashes indicate that no data were reported or that data did not meet publication criteria. Overall occupation or occupational levels may include data for categories not shown separately.



**Table A-8. Establishments employing 500 workers or more: Weekly hours and pay of clerical occupations, Los Angeles-Long Beach, CA, December 1995**

Occupation and level	Number of workers	Average weekly hours <sup>1</sup> (standard)	Weekly pay (in dollars) <sup>2</sup>				Percent of workers receiving straight-time weekly pay (in dollars) of—																					
			Mean	Median	Middle range	200 and under 225	225 - 250	250 - 275	275 - 300	300 - 325	325 - 350	350 - 400	400 - 450	450 - 500	500 - 550	550 - 600	600 - 650	650 - 700	700 - 750	750 - 800	800 - 850	850 - 900	900 - 950	950 - 1000	1000 - 1050	1050 - 1100		
<b>Clerks, Accounting</b>																												
Level II .....	3,010	40.0	\$467	\$440	\$370 – \$538	–	–	–	2	( <sup>3</sup> )	2	29	22	15	5	3	10	11	–	–	–	–	–	–	–	–	–	–
Private industry .....	2,349	39.9	433	406	370 – 462	–	–	–	2	( <sup>3</sup> )	2	37	28	13	4	2	10	–	–	–	–	–	–	–	–	–	–	–
Goods-producing industries .....	124	39.8	420	401	392 – 450	–	–	–	–	1	6	35	24	30	2	2	–	–	–	–	–	–	–	–	–	–	–	–
Manufacturing .....	124	39.8	420	401	392 – 450	–	–	–	–	1	6	35	24	30	2	2	–	–	–	–	–	–	–	–	–	–	–	–
Service-producing industries .....	2,225	39.9	434	406	370 – 463	–	–	–	3	( <sup>3</sup> )	2	37	28	12	4	2	11	–	–	–	–	–	–	–	–	–	–	–
State and local government .....	661	40.0	588	659	513 – 659	–	–	–	–	–	1	2	20	10	5	11	50	–	–	–	–	–	–	–	–	–	–	–
Level III .....	2,593	40.0	552	537	502 – 597	–	–	–	–	–	( <sup>3</sup> )	1	5	18	41	11	10	13	1	–	–	–	–	–	–	–	–	–
Private industry .....	1,544	40.0	524	537	494 – 541	–	–	–	–	–	1	1	7	17	56	12	5	2	( <sup>3</sup> )	–	–	–	–	–	–	–	–	–
Goods-producing industries .....	322	40.0	499	491	462 – 528	–	–	–	–	–	–	2	12	38	31	14	3	( <sup>3</sup> )	–	–	–	–	–	–	–	–	–	–
Manufacturing .....	322	40.0	499	491	462 – 528	–	–	–	–	–	–	2	12	38	31	14	3	( <sup>3</sup> )	–	–	–	–	–	–	–	–	–	–
Service-producing industries .....	1,222	40.0	531	537	514 – 541	–	–	–	–	–	1	1	5	11	62	11	5	3	( <sup>3</sup> )	–	–	–	–	–	–	–	–	–
State and local government .....	1,049	40.0	594	602	504 – 697	–	–	–	–	–	–	( <sup>3</sup> )	2	20	19	9	18	30	3	–	–	–	–	–	–	–	–	–
Level IV .....	1,148	39.8	569	558	547 – 584	–	–	–	–	–	–	–	2	5	23	54	6	6	3	1	–	–	–	–	–	–	–	–
Private industry .....	643	39.7	560	552	538 – 573	–	–	–	–	–	–	–	4	5	23	54	7	4	2	1	–	–	–	–	–	–	–	–
Goods-producing industries .....	179	39.9	582	574	536 – 609	–	–	–	–	–	–	–	4	1	23	42	15	9	4	2	–	–	–	–	–	–	–	–
Manufacturing .....	172	39.9	588	574	549 – 613	–	–	–	–	–	–	–	–	1	24	44	16	9	5	2	–	–	–	–	–	–	–	–
State and local government .....	505	40.0	581	580	548 – 596	–	–	–	–	–	–	–	( <sup>3</sup> )	5	23	55	4	9	4	–	–	–	–	–	–	–	–	–
<b>Clerks, General</b>																												
Level II .....	5,145	40.0	463	480	396 – 535	–	( <sup>3</sup> )	( <sup>3</sup> )	8	1	4	12	14	13	39	8	1	( <sup>3</sup> )	( <sup>3</sup> )	–	–	–	–	–	–	–	–	–
Private industry .....	950	40.0	368	372	300 – 416	–	( <sup>3</sup> )	2	22	6	7	31	23	3	3	3	–	–	–	–	–	–	–	–	–	–	–	–
Service-producing industries .....	756	40.0	366	367	290 – 416	–	–	3	27	6	7	22	28	3	2	3	–	–	–	–	–	–	–	–	–	–	–	–
State and local government .....	4,195	40.0	484	535	430 – 535	–	–	–	5	–	3	7	12	15	47	9	1	( <sup>3</sup> )	( <sup>3</sup> )	–	–	–	–	–	–	–	–	–
Level III .....	15,632	40.0	492	460	449 – 501	–	–	–	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	8	29	30	13	3	4	11	1	( <sup>3</sup> )	–	–	–	–	–	–	–	–
Private industry .....	1,487	39.8	494	486	409 – 568	–	–	–	( <sup>3</sup> )	1	2	15	21	15	20	9	14	2	2	–	–	–	–	–	–	–	–	–
Goods-producing industries .....	367	39.7	531	528	456 – 582	–	–	–	–	–	–	7	13	17	30	10	9	5	9	–	–	–	–	–	–	–	–	–
Manufacturing .....	367	39.7	531	528	456 – 582	–	–	–	–	–	–	7	13	17	30	10	9	5	9	–	–	–	–	–	–	–	–	–
Service-producing industries .....	1,120	39.8	483	458	407 – 546	–	–	–	( <sup>3</sup> )	1	2	18	24	14	17	9	15	1	–	–	–	–	–	–	–	–	–	–
State and local government .....	14,145	40.0	492	460	449 – 501	–	–	–	–	( <sup>3</sup> )	–	7	30	32	12	2	3	12	1	( <sup>3</sup> )	–	–	–	–	–	–	–	–
Level IV .....	4,115	40.0	525	520	507 – 532	–	–	–	–	–	( <sup>3</sup> )	2	6	14	56	14	2	2	3	( <sup>3</sup> )	( <sup>3</sup> )	–	–	–	–	–	–	–
Private industry .....	801	39.7	509	514	445 – 561	–	–	–	–	–	1	8	17	19	28	10	11	4	1	1	( <sup>3</sup> )	–	–	–	–	–	–	–
Service-producing industries .....	590	39.7	485	481	434 – 526	–	–	–	–	–	1	11	22	22	31	4	8	1	( <sup>3</sup> )	–	–	–	–	–	–	–	–	–
State and local government .....	3,314	40.0	528	520	507 – 532	–	–	–	–	–	–	( <sup>3</sup> )	4	13	63	15	( <sup>3</sup> )	1	4	–	–	–	–	–	–	–	–	–
<b>Key Entry Operators</b>																												
Level I .....	601	40.0	402	326	260 – 530	–	9	22	6	10	4	1	6	3	14	17	6	–	–	–	–	–	–	–	–	–	–	–
State and local government .....	122	40.0	537	530	518 – 530	–	–	–	–	–	–	–	2	11	67	5	15	–	–	–	–	–	–	–	–	–	–	–
Level II .....	387	39.8	474	448	422 – 510	–	( <sup>3</sup> )	1	–	–	1	8	41	8	31	3	6	2	–	–	–	–	–	–	–	–	–	–
Private industry .....	327	39.8	463	447	422 – 508	–	( <sup>3</sup> )	1	–	–	1	9	47	9	26	4	4	–	–	–	–	–	–	–	–	–	–	–
Service-producing industries .....	290	39.8	464	447	422 – 508	–	( <sup>3</sup> )	1	–	–	1	6	50	10	25	3	4	–	–	–	–	–	–	–	–	–	–	–
State and local government .....	60	40.0	535	510	510 – 606	–	–	–	–	–	–	3	8	3	57	–	18	10	–	–	–	–	–	–	–	–	–	–
<b>Personnel Assistants (Employment)</b>																												
Level II .....	180	40.0	473	472	442 – 495	–	–	–	–	–	–	6	33	38	14	4	3	–	–	–	–	–	–	–	–	–	–	–
Private industry .....	127	39.9	455	442	441 – 490	–	–	–	–	–	–	9	44	39	6	2	–	–	–	–	–	–	–	–	–	–	–	–
State and local government .....	53	40.0	515	503	495 – 514	–	–	–	–	–	–	–	8	36	34	11	11	–	–	–	–	–	–	–	–	–	–	–

See footnotes at end of table.

**Table A-8. Establishments employing 500 workers or more: Weekly hours and pay of clerical occupations, Los Angeles-Long Beach, CA, December 1995 — Continued**

Occupation and level	Number of workers	Average weekly hours <sup>1</sup> (standard)	Weekly pay (in dollars) <sup>2</sup>				Percent of workers receiving straight-time weekly pay (in dollars) of—																				
			Mean	Median	Middle range		200 and under 225	225 - 250	250 - 275	275 - 300	300 - 325	325 - 350	350 - 400	400 - 450	450 - 500	500 - 550	550 - 600	600 - 650	650 - 700	700 - 750	750 - 800	800 - 850	850 - 900	900 - 950	950 - 1000	1000 - 1050	1050 - 1100
Level III .....	488	40.0	\$484	\$485	\$380	—	\$548	—	—	—	—	( <sup>3</sup> )	31	17	4	24	11	11	( <sup>3</sup> )	1	—	—	—	—	—	—	—
State and local government .....	149	40.0	553	548	516	—	597	—	—	—	—	—	—	4	7	60	17	8	—	4	—	—	—	—	—	—	—
<b>Secretaries</b>																											
Level II .....	2,961	39.8	585	580	523	—	642	—	—	—	( <sup>3</sup> )	—	( <sup>3</sup> )	1	4	10	20	28	14	8	14	1	( <sup>3</sup> )	—	—	—	—
Private industry .....	1,513	39.5	542	540	500	—	584	—	—	—	( <sup>3</sup> )	—	( <sup>3</sup> )	1	8	16	34	19	15	6	( <sup>3</sup> )	( <sup>3</sup> )	—	—	—	—	—
Service-producing industries .....	1,164	39.4	532	527	490	—	568	—	—	—	( <sup>3</sup> )	—	( <sup>3</sup> )	1	10	20	37	16	12	5	—	( <sup>3</sup> )	—	—	—	—	—
State and local government .....	1,448	40.0	630	630	576	—	716	—	—	—	—	—	( <sup>3</sup> )	( <sup>3</sup> )	4	6	37	12	11	29	1	( <sup>3</sup> )	—	—	—	—	—
Level III .....	3,630	39.9	649	645	580	—	709	—	—	—	—	—	( <sup>3</sup> )	( <sup>3</sup> )	3	11	16	20	20	18	5	1	4	( <sup>3</sup> )	—	—	—
Private industry .....	2,632	39.9	619	625	560	—	668	—	—	—	—	—	( <sup>3</sup> )	1	4	15	21	22	21	13	3	( <sup>3</sup> )	—	—	—	—	—
Goods-producing industries .....	1,212	39.9	643	647	588	—	693	—	—	—	—	—	—	( <sup>3</sup> )	1	7	22	21	26	17	6	( <sup>3</sup> )	—	—	—	—	—
Manufacturing .....	1,212	39.9	643	647	588	—	693	—	—	—	—	—	—	( <sup>3</sup> )	1	7	22	21	26	17	6	( <sup>3</sup> )	—	—	—	—	—
Service-producing industries .....	1,420	39.8	598	600	542	—	653	—	—	—	—	—	( <sup>3</sup> )	1	7	21	19	24	17	9	( <sup>3</sup> )	—	—	—	—	—	—
State and local government .....	998	40.0	727	709	664	—	789	—	—	—	—	—	—	—	( <sup>3</sup> )	3	3	13	18	31	13	3	16	1	—	—	—
Level IV .....	2,353	39.9	712	712	652	—	777	—	—	—	—	—	—	( <sup>3</sup> )	1	2	8	13	21	21	17	10	3	3	1	( <sup>3</sup> )	—
Private industry .....	1,756	39.9	697	698	640	—	759	—	—	—	—	—	—	( <sup>3</sup> )	1	2	8	15	24	21	18	8	3	( <sup>3</sup> )	—	( <sup>3</sup> )	—
Goods-producing industries .....	686	40.0	741	748	695	—	788	—	—	—	—	—	—	—	—	—	2	8	18	23	29	16	4	( <sup>3</sup> )	—	( <sup>3</sup> )	—
Manufacturing .....	686	40.0	741	748	695	—	788	—	—	—	—	—	—	—	—	—	2	8	18	23	29	16	4	( <sup>3</sup> )	—	( <sup>3</sup> )	—
Service-producing industries .....	1,070	39.8	669	666	624	—	718	—	—	—	—	—	—	( <sup>3</sup> )	2	4	13	20	27	19	12	2	1	—	—	—	—
State and local government .....	597	40.0	755	726	682	—	826	—	—	—	—	—	—	—	—	—	8	8	13	24	13	18	4	11	2	—	—
Level V .....	472	39.8	801	816	710	—	878	—	—	—	—	—	—	( <sup>3</sup> )	( <sup>3</sup> )	1	1	7	12	16	7	15	21	8	8	2	1
Private industry .....	405	39.8	780	786	695	—	862	—	—	—	—	—	—	( <sup>3</sup> )	( <sup>3</sup> )	1	1	8	14	18	8	17	19	7	5	1	—
Goods-producing industries .....	147	39.9	844	857	803	—	870	—	—	—	—	—	—	—	—	—	—	—	4	11	7	22	37	7	8	2	—
Manufacturing .....	147	39.9	844	857	803	—	870	—	—	—	—	—	—	—	—	—	—	—	4	11	7	22	37	7	8	2	—
State and local government .....	67	40.0	931	927	893	—	991	—	—	—	—	—	—	—	—	—	1	1	—	3	—	1	34	13	30	7	7
<b>Switchboard Operator-Receptionists</b> .....	1,067	39.6	380	360	330	—	433	3	5	2	2	6	17	32	14	11	4	2	2	1	—	—	—	—	—	—	—
Private industry .....	1,008	39.6	374	360	330	—	404	4	5	2	2	6	18	33	14	7	3	2	2	1	—	—	—	—	—	—	—
Goods-producing industries .....	76	39.8	406	—	—	—	—	—	—	—	—	9	20	22	20	28	—	1	—	—	—	—	—	—	—	—	—
Manufacturing .....	69	39.8	412	—	—	—	—	—	—	—	—	10	12	25	22	30	—	1	—	—	—	—	—	—	—	—	—
Service-producing industries .....	932	39.5	372	360	330	—	404	4	6	2	2	6	18	34	14	6	3	2	2	1	—	—	—	—	—	—	—
State and local government .....	59	40.0	488	480	462	—	498	—	—	—	—	—	—	—	—	76	20	—	3	—	—	—	—	—	—	—	—
<b>Word Processors</b>																											
Level I:																											
State and local government .....	480	40.0	535	542	521	—	557	—	—	—	—	—	—	2	9	63	26	—	—	—	—	—	—	—	—	—	—
Level II .....	739	39.9	561	550	529	—	581	—	—	—	—	—	( <sup>3</sup> )	1	4	9	35	32	1	15	4	—	—	—	—	—	—
State and local government .....	626	40.0	572	581	530	—	581	—	—	—	—	—	—	( <sup>3</sup> )	( <sup>3</sup> )	7	37	35	( <sup>3</sup> )	17	4	—	—	—	—	—	—

<sup>1</sup> Standard hours reflect the workweek for which employees receive their regular straight-time salaries (exclusive of pay for overtime at regular and/or premium rates), and the earnings correspond to these weekly hours.

<sup>2</sup> Excludes premium pay for overtime and for work on weekends, holidays, and late shifts. Also excluded are performance bonuses and lump-sum payments of the type negotiated in the auto and aerospace industries, as well as profit-sharing payments, attendance bonuses, Christmas or year-end bonuses, and other nonproduction bonuses. Pay increases, but not bonuses, under cost-of-living clauses, and incentive payments, however, are included. See Appendix A for definitions and methods used to

compute means, medians, and middle ranges.

<sup>3</sup> Less than 0.5 percent.

NOTE: Because of rounding, sums of individual intervals may not equal 100 percent. Dashes indicate that no data were reported or that data did not meet publication criteria. Overall occupation or occupational levels may include data for categories not shown separately.

**Table A-9. Establishments employing 500 workers or more: Hourly pay of maintenance and toolroom occupations, Los Angeles-Long Beach, CA, December 1995**

Occupation and level	Number of workers	Hourly pay (in dollars) <sup>1</sup>				Percent of workers receiving straight-time hourly pay (in dollars) of—																											
		Mean	Median	Middle range	7.00 and under 8.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00	18.00	19.00	20.00	21.00	22.00	23.00	24.00	25.00	26.00	27.00	28.00	30.00						
						9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00	18.00	19.00	20.00	21.00	22.00	23.00	24.00	25.00	26.00	27.00	28.00	30.00							
General Maintenance Workers .....	1,738	\$14.88	\$15.51	\$12.45 – \$18.04	( <sup>2</sup> )	3	6	7	6	8	4	13	7	5	9	32	—	—	—	—	—	—	—	—	—	—	—						
Private industry .....	1,265	15.02	17.21	11.10 – 18.04	( <sup>2</sup> )	4	9	10	7	5	2	1	2	5	10	44	—	—	—	—	—	—	—	—	—	—	—						
State and local government .....	473	14.50	14.69	14.32 – 15.43	—	—	—	—	3	15	8	45	20	5	5	—	—	—	—	—	—	—	—	—	—	—	—						
Maintenance Electricians .....	1,383	21.25	22.03	19.85 – 23.02	—	—	—	—	—	—	( <sup>2</sup> )	( <sup>2</sup> )	5	5	5	4	8	7	15	21	11	15	—	( <sup>2</sup> )	2	( <sup>2</sup> )							
Private industry .....	597	20.22	20.87	19.00 – 22.44	—	—	—	—	—	—	( <sup>2</sup> )	1	10	10	1	3	13	12	13	35	2	—	—	—	—	1							
Goods-producing industries .....	432	20.23	21.08	17.69 – 22.78	—	—	—	—	—	—	—	1	9	13	1	2	9	13	9	40	1	—	—	—	—	1							
Manufacturing .....	432	20.23	21.08	17.69 – 22.78	—	—	—	—	—	—	—	1	9	13	1	2	9	13	9	40	1	—	—	—	—	1							
State and local government .....	786	22.03	22.55	21.13 – 24.06	—	—	—	—	—	—	—	—	2	2	8	5	5	2	16	11	19	27	—	( <sup>2</sup> )	3	—							
Maintenance Electronics Technicians																																	
Level I .....	72	16.46	—	— – —	—	—	—	—	1	8	3	15	8	3	42	15	4	—	—	—	—	—	—	—	—	—							
State and local government .....	48	17.23	17.70	17.70 – 17.70	—	—	—	—	—	—	2	8	8	—	63	19	—	—	—	—	—	—	—	—	—	—							
Level II .....	1,088	20.04	21.53	17.41 – 22.10	—	—	—	—	( <sup>2</sup> )	( <sup>2</sup> )	2	9	10	12	1	5	4	23	27	5	( <sup>2</sup> )	—	( <sup>2</sup> )	—	( <sup>2</sup> )	1							
Private industry .....	544	19.45	19.43	16.69 – 22.10	—	—	—	—	1	( <sup>2</sup> )	1	14	15	15	1	3	1	3	42	—	( <sup>2</sup> )	—	( <sup>2</sup> )	1	1	1							
State and local government .....	544	20.62	21.81	19.25 – 21.81	—	—	—	—	—	—	—	3	3	6	8	1	8	7	43	12	10	—	—	—	—	—							
Level III .....	1,687	20.99	21.07	21.07 – 21.07	—	—	—	—	—	—	—	—	—	4	2	2	6	8	62	6	6	3	—	( <sup>2</sup> )	—	—							
State and local government .....	171	22.33	23.82	20.87 – 23.82	—	—	—	—	—	—	—	—	—	1	5	2	8	13	2	16	45	5	—	2	—	—							
Maintenance Machinists	275	21.17	21.85	20.84 – 21.85	—	—	—	—	—	—	2	2	2	3	2	—	5	15	49	3	9	8	—	( <sup>2</sup> )	—	—							
State and local government .....	80	22.61	23.71	20.84 – 24.64	—	—	—	—	—	—	—	—	—	—	—	—	1	39	2	—	30	27	—	—	—	—							
Maintenance Mechanics, Machinery .....	856	21.01	21.62	19.50 – 22.89	—	—	—	—	1	1	2	5	4	3	4	5	4	4	38	9	( <sup>2</sup> )	16	3	4	( <sup>2</sup> )	—							
Private industry .....	818	20.84	21.62	19.42 – 22.89	—	—	—	—	1	1	2	5	4	3	4	5	4	4	39	9	( <sup>2</sup> )	13	3	4	( <sup>2</sup> )	—							
Goods-producing industries .....	675	20.48	21.61	18.91 – 21.62	—	—	—	—	1	1	3	6	4	4	4	2	4	3	48	11	( <sup>2</sup> )	1	4	4	1	—							
Manufacturing .....	675	20.48	21.61	18.91 – 21.62	—	—	—	—	1	1	3	6	4	4	4	2	4	3	48	11	( <sup>2</sup> )	1	4	4	1	—							
Maintenance Mechanics, Motor Vehicle ...	2,855	20.04	21.00	19.20 – 21.13	—	—	—	—	—	( <sup>2</sup> )	1	1	9	2	6	4	17	10	41	5	( <sup>2</sup> )	3	( <sup>2</sup> )	( <sup>2</sup> )	—	2							
Private industry .....	880	18.45	18.14	15.49 – 20.43	—	—	—	—	—	1	4	1	27	3	14	3	13	13	12	4	( <sup>2</sup> )	1	( <sup>2</sup> )	( <sup>2</sup> )	—	5							
Service-producing industries .....	773	17.78	17.40	15.49 – 20.40	—	—	—	—	—	1	4	1	31	3	16	3	13	12	12	4	—	—	—	—	—	—							
State and local government .....	1,975	20.75	21.13	19.72 – 21.13	—	—	—	—	—	( <sup>2</sup> )	—	( <sup>2</sup> )	( <sup>2</sup> )	2	2	5	19	8	54	5	( <sup>2</sup> )	4	—	—	—	—							

<sup>1</sup> Excludes premium pay for overtime and for work on weekends, holidays, and late shifts. Also excluded are performance bonuses and lump-sum payments of the type negotiated in the auto and aerospace industries, as well as profit-sharing payments, attendance bonuses, Christmas or year-end bonuses, and other nonproduction bonuses. Pay increases, but not bonuses, under cost-of-living clauses, and incentive payments, however, are included. See Appendix A for definitions and methods used to compute means, medians, and middle ranges.

<sup>2</sup> Less than 0.5 percent.

NOTE: Because of rounding, sums of individual intervals may not equal 100 percent. Dashes indicate that no data were reported or that data did not meet publication criteria. Overall occupation or occupational levels may include data for categories not shown separately.

**Table A-10. Establishments employing 500 workers or more: Hourly pay of material movement and custodial occupations, Los Angeles-Long Beach, CA, December 1995**

Occupation and level	Number of workers	Hourly pay (in dollars) <sup>1</sup>				Percent of workers receiving straight-time hourly pay (in dollars) of—																							
		Mean	Median	Middle range		4.25 and under 4.50	4.50 - 5.00	5.00 - 5.50	5.50 - 6.00	6.00 - 6.50	6.50 - 7.00	7.00 - 7.50	7.50 - 8.00	8.00 - 8.50	8.50 - 9.00	9.00 - 10.00	10.00 - 11.00	11.00 - 12.00	12.00 - 13.00	13.00 - 14.00	14.00 - 15.00	15.00 - 16.00	16.00 - 17.00	17.00 - 18.00	18.00 - 19.00	19.00 - 20.00	20.00 - 21.00	21.00 and over	
<b>Forklift Operators</b> .....	1,749	\$14.82	\$17.39	\$10.42	—	\$17.47	—	—	—	3	1	1	2	1	2	1	13	3	3	2	( <sup>2</sup> )	1	( <sup>2</sup> )	1	61	1	4	—	—
Private industry .....	1,734	14.82	17.39	10.40	—	17.47	—	—	—	3	1	1	2	1	2	1	14	4	3	2	( <sup>2</sup> )	1	—	—	61	1	4	—	—
<b>Guards</b>																													
Level I .....	9,105	7.11	6.49	6.00	—	7.25	( <sup>2</sup> )	2	3	13	31	16	10	4	4	4	3	1	1	1	1	4	( <sup>2</sup> )	( <sup>2</sup> )	—	—	—	—	—
Private industry .....	8,539	6.70	6.25	6.00	—	7.00	( <sup>2</sup> )	3	4	14	33	17	10	4	4	4	3	1	1	1	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	—	—	—	—	—	
Service-producing industries .....	8,467	6.69	6.25	6.00	—	7.00	( <sup>2</sup> )	3	4	14	34	17	10	4	4	4	3	1	1	1	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	—	—	—	—	—	
State and local government .....	566	13.37	14.69	12.09	—	14.69	—	—	—	—	—	—	—	( <sup>2</sup> )	3	4	10	6	10	8	57	2	—	—	—	—	—	—	—
Level II .....	2,002	13.18	13.21	11.60	—	15.86	—	—	—	—	—	—	—	—	2	8	7	2	10	18	15	5	13	11	9	( <sup>2</sup> )	—	—	—
Private industry .....	1,494	12.70	12.64	10.98	—	14.51	—	—	—	—	—	—	—	—	3	10	9	2	10	23	14	3	2	10	12	( <sup>2</sup> )	—	—	—
State and local government .....	508	14.59	15.03	13.49	—	15.86	—	—	—	—	—	—	—	—	—	—	—	3	8	3	16	12	46	14	—	—	—	—	—
<b>Janitors</b> .....	24,650	8.16	8.13	5.50	—	10.53	( <sup>2</sup> )	9	15	8	7	4	3	2	3	3	14	8	14	6	1	1	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	—	—	—	—
Private industry .....	17,472	7.12	6.15	5.20	—	8.85	( <sup>2</sup> )	13	22	12	10	6	5	2	3	4	5	6	9	2	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	—	—	—	—	—
Goods-producing industries .....	442	10.46	10.50	6.25	—	14.62	—	—	16	7	5	9	3	2	1	1	1	10	5	3	10	5	7	16	( <sup>2</sup> )	—	—	—	—
Manufacturing .....	442	10.46	10.50	6.25	—	14.62	—	—	16	7	5	9	3	2	1	1	1	10	5	3	10	5	7	16	( <sup>2</sup> )	—	—	—	—
Service-producing industries .....	17,030	7.03	6.00	5.20	—	8.63	( <sup>2</sup> )	13	22	12	10	6	5	2	3	4	6	6	9	2	( <sup>2</sup> )	—	—	( <sup>2</sup> )	—	—	—	—	—
State and local government .....	7,178	10.69	10.75	9.18	—	11.76	—	—	—	—	—	—	—	( <sup>2</sup> )	4	2	36	12	26	14	2	3	( <sup>2</sup> )	( <sup>2</sup> )	—	—	—	—	—
<b>Shipping/Receiving Clerks</b> .....	2,119	11.61	10.51	9.11	—	12.77	—	—	( <sup>2</sup> )	—	( <sup>2</sup> )	9	7	( <sup>2</sup> )	4	5	16	12	15	8	2	4	( <sup>2</sup> )	1	11	—	—	—	7
Private industry .....	2,037	11.52	10.50	8.83	—	12.77	—	—	( <sup>2</sup> )	—	( <sup>2</sup> )	9	7	( <sup>2</sup> )	4	5	16	12	15	8	2	2	( <sup>2</sup> )	1	11	—	—	—	7
<b>Truckdrivers</b>																													
Light Truck .....	343	13.17	12.96	10.64	—	16.61	—	—	—	—	—	—	6	8	—	3	1	15	10	10	2	11	—	23	9	4	—	—	—
State and local government .....	144	12.93	12.96	10.74	—	14.13	—	—	—	—	—	—	—	—	—	1	—	24	16	19	4	26	—	—	—	10	—	—	—
Medium Truck:																													
State and local government .....	429	15.71	15.74	15.74	—	16.62	—	—	—	—	—	—	—	—	—	—	—	—	—	1	13	4	45	27	8	1	—	—	—
Heavy Truck .....	470	18.09	18.05	16.62	—	19.03	—	—	—	—	—	—	—	—	—	—	—	—	—	1	19	4	8	13	28	6	—	<sup>3</sup> 20	
State and local government .....	345	16.84	17.08	14.81	—	18.05	—	—	—	—	—	—	—	—	—	—	—	—	—	( <sup>2</sup> )	—	1	26	5	9	12	38	8	—
Tractor Trailer .....	7,129	16.84	16.85	16.85	—	16.93	—	—	—	—	—	—	—	—	—	—	( <sup>2</sup> )	2	1	( <sup>2</sup> )	7	1	68	11	1	1	8	—	—
Private industry .....	6,731	16.80	16.85	16.85	—	16.93	—	—	—	—	—	—	—	—	—	—	( <sup>2</sup> )	2	1	( <sup>2</sup> )	7	( <sup>2</sup> )	70	9	1	1	7	—	—
Goods-producing industries .....	427	14.63	13.08	11.20	—	17.94	—	—	—	—	—	—	—	—	—	—	2	34	12	5	4	2	—	24	1	16	—	—	—
Manufacturing .....	427	14.63	13.08	11.20	—	17.94	—	—	—	—	—	—	—	—	—	—	2	34	12	5	4	2	—	24	1	16	—	—	—
State and local government .....	398	17.53	17.05	16.59	—	17.99	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4	35	40	3	—	18	—	—
<b>Warehouse Specialists</b> .....	3,231	15.49	16.65	14.04	—	17.29	—	—	—	—	1	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	3	4	3	4	8	10	2	15	45	2	1	1	( <sup>2</sup> )
Private industry .....	2,752	15.83	17.22	16.00	—	17.29	—	—	—	—	2	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	3	5	2	2	4	4	1	18	53	2	1	1	1
Goods-producing industries .....	684	15.35	16.65	13.52	—	17.68	—	—	—	—	—	1	2	( <sup>2</sup> )	1	7	3	1	1	12	17	2	9	35	1	2	3	2	
Manufacturing .....	684	15.35	16.65	13.52	—	17.68	—	—	—	—	—	1	2	( <sup>2</sup> )	1	7	3	1	1	12	17	2	9	35	1	2	3	2	
Service-producing industries .....	2,068	15.99	17.22	16.30	—	17.29	—	—	—	—	2	—	—	( <sup>2</sup> )	( <sup>2</sup> )	2	5	2	2	1	( <sup>2</sup> )	1	21	59	3	—	—	—	
State and local government .....	479	13.51	13.30	13.05	—	14.04	—	—	—	—	—	—	—	—	—	—	2	7	14	30	42	5	—	—	( <sup>2</sup> )	—	—	—	—

<sup>1</sup> Excludes premium pay for overtime and for work on weekends, holidays, and late shifts. Also excluded are performance bonuses and lump-sum payments of the type negotiated in the auto and aerospace industries, as well as profit-sharing payments, attendance bonuses, Christmas or year-end bonuses, and other nonproduction bonuses. Pay increases, but not bonuses, under cost-of-living clauses, and incentive payments, however, are included. See Appendix A for definitions and methods used to compute means, medians, and middle ranges.

<sup>2</sup> Less than 0.5 percent.

<sup>3</sup> Workers were distributed as follows: 3 percent at \$22.00 and under \$23.00; 17 percent at \$23.00 and under \$24.00; and 1 percent at \$24.00 and under \$25.00.

NOTE: Because of rounding, sums of individual intervals may not equal 100 percent. Dashes indicate that no data were reported or that data did not meet publication criteria. Overall occupation or occupational levels may include data for categories not shown separately.

# Appendix A.

## Scope and Method of Survey

### Scope

This survey of the Los Angeles–Long Beach, CA Primary 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.<sup>1</sup> Private households, agriculture, the Federal Government, and the self-employed were excluded from the survey. Table 1 in this appendix shows the estimated number of establishments and workers within scope of the survey and the number actually included in the survey sample.

### Sampling frame

The list of establishments from which the survey sample was selected (the sampling frame) was developed from the State unemployment insurance reports for the Los Angeles–Long Beach, CA Primary Metropolitan Statistical Area (December 1991). Establishments with 50 workers or more during the sampling frame's reference period were included in the survey sample even if they employed fewer than 50 workers at the time of the survey.

The sampling frame was reviewed for completeness and accuracy prior to the survey and, when necessary, corrections were made: Missing establishments were added; out-of-business and out-of-scope establishments were removed; and addresses, employment levels, industry classification, and other information were updated.

### Survey design

The survey design includes classifying individual establishments into groups (strata) based on industry and employment size, determining the size of the sample for each group (stratum), and selecting an establishment sample from each stratum. The establishment sample size in a stratum was determined by expected number of employees to be found (based on previous occupational pay surveys) in professional, administrative, technical, protective service, and clerical occupations. In other words, the larger the number of employees expected to be found in

designated occupations, the larger the establishment sample in that stratum. An upward adjustment to the establishment sample size also was made in strata expected to have relatively high sampling error for certain occupations, based on previous survey experiences. (See section on "Reliability of estimates" below for discussion of sampling error.)

### Data collection and payroll reference

Data for the survey were obtained primarily by personal visits of the Bureau's field economists to a sample of establishments within the Los Angeles–Long Beach, CA Primary Metropolitan Statistical Area. Collection for the survey was from September 1995 through March 1996 and reflects an average payroll reference month of December 1995. Data obtained for a payroll period prior to the end of December 1995 were updated to include general wage changes, if granted, scheduled to be effective through that date.

### Occupational pay

Occupational pay data are shown for full-time workers, i.e., those hired to work a regular weekly schedule. Pay data exclude premium pay for overtime and for work on weekends, holidays, and late shifts. Also excluded are bonuses and lump-sum payments of the type negotiated in the auto and aerospace industries, as well as profit-sharing payments, attendance bonuses, Christmas or year-end bonuses, and other nonproduction bonuses. Pay increases—but not bonuses—under cost-of-living allowance clauses and incentive payments, however, are included in the pay data.

Unless otherwise indicated, the pay data following the job titles are for all industries combined. Pay data for some of the occupations for all industries combined (or for some industry divisions within the scope of the survey) are not presented in the A-series tables because either (1) data did not provide statistically reliable results, or (2) there was the possibility of disclosure of individual establishment data. Pay data not shown separately for industry divisions are included in data for all industries combined.

Average pay reflect areawide estimates. Industries and establishments differ in pay levels and job staffing, and thus contribute differently to the estimates for each job. Therefore, average pay may not reflect the pay differential among jobs within individual establishments. A-series tables provide distributions of workers by pay intervals

The *mean* is computed for each job by totaling the pay of all workers and dividing by the number of workers. 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. The *middle range* is defined by two rates of pay; one-fourth of the workers earn the same as or less than the lower of these rates and one-fourth earn the same as or more than the higher rate. Medians and middle ranges are not provided when they do not meet reliability criteria.

Occupations surveyed are common to a variety of public and private industries, and were selected from the following employment groups: (1) Professional and administrative; (2) technical and protective service; (3) clerical; (4) maintenance and toolroom; and (5) material movement and custodial. Occupational classification was based on a uniform set of job descriptions designed to take account of interestablishment variation in duties within the same job. Occupations selected for study are listed and described in appendix B, along with corresponding occupational codes and titles from the 1980 edition of the *Standard Occupational Classification Manual*. Job descriptions used to classify employees in this survey usually are more generalized than those used in individual establishments to allow for minor differences among establishments in specific duties performed.

Average weekly hours for professional, administrative, technical, protective service, and clerical occupations refer to the standard workweek (rounded to the nearest tenth of an hour) for which employees receive regular straight-time pay. Average weekly pay for these occupations are rounded to the nearest dollar.

Occupational employment 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 occupational employment obtained from the sample of establishments studied serve only to indicate the relative importance of the jobs studied.

**Survey nonresponse**

Data were not available from 16.9 percent of the sample establishments (representing 364,515 employees covered by the survey). An additional 12.2 percent of the sample establishments (representing 216,473 employees) were either out of business or outside the scope of the survey.

If data were not provided by a sample member, the weights (based on the probability of selection in the sample) of responding sample establishments were adjusted to account for the missing data. The weights for establishments which were out of business or outside the scope of the survey were changed to zero.

Some sampled establishments had a policy of not disclosing salary data for certain employees. No adjustments were made to pay estimates for the survey as a result of these missing data which affected one of the occupational work levels published in this bulletin. The proportion of employees for whom pay data were not available was less than 5 percent. The one job was Personnel Supervisors/Managers III (20.5 percent).

**Reliability of estimates**

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, not the entire population. The particular sample used in this survey is one of a number of all 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. For example, if the estimated average weekly salary of Secretaries Level IV is \$500 and the standard error is \$8, the RSE is 1.6 percent, or  $\$8/\$500 \times 100 = 1.6\%$ .

Estimates of relative standard errors for this survey vary among the occupational work levels depending on such factors as the frequency with which the job occurs, the dispersion of salaries for the job, and the survey design. The distribution of published work levels for one relative standard error was as follows:

<i>Relative standard error</i>	<i>Percent of published occupational work levels</i>
Less than 1 percent	2.9
1 and under 3 percent	59.3
3 and under 5 percent	31.7
5 percent and over	6.2

The standard error can be used to calculate a "confidence interval" around a sample estimate. For example, a 95 percent confidence interval is centered at the sample estimate and includes all values within 2 times the estimate's standard error. If all possible samples were selected to estimate the population value, the interval from each sample would include the true population value approximately 95 percent of the time.

Using the RSE example above, there is 95 percent confidence that the true population value for Secretaries Level IV is between \$484 and \$516 (i.e., \$500 plus or minus 2 x \$8).

*Nonsampling errors* can stem from many sources, such as inability to obtain information from some establishments; difficulties with survey definitions; inability of respondents to provide correct information; mistakes in recording or coding the data obtained; and other errors of collection, response, coverage, and estimation of missing data. Although not specifically measured, the survey's nonsampling errors are expected to be minimal due to the high response rate, the extensive and continuous training of field economists who gather survey data by personal visit, careful screening of data at several levels of review, annual evaluation of the suitability of job definitions, and thorough field testing of new or revised job definitions.

To measure and better control nonsampling errors that occur during data collection, a quality control procedure was applied to the survey design. The procedure, job match validation (JMV), is designed to identify the frequency,

reasons for, and sources of incorrect decisions made by Bureau field economists in matching company jobs to survey occupations. Once identified, the problems are discussed promptly with the field economists while the data are still being collected. Subsequently, the JMV results are tallied, reported to BLS staff, and become the basis for remedial action for future surveys.

Approximately 9 percent of the 812 sampled job match decisions reviewed by the JMV reviewers and checked with the respondents were subsequently changed by the JMV reviewers. These results are from a similar survey conducted in 1993, see *Occupational Compensation Survey: Pay Only, Los Angeles–Long Beach, CA*, BLS Bulletin 3070-78.

<sup>1</sup> For this survey, an establishment is an economic unit which produces goods or services, a central administrative office, or an auxiliary unit providing support services to a company. In manufacturing industries, the establishment is usually at a single physical location. In service-producing industries, all locations of an individual company in a Metropolitan Statistical Area are usually considered an establishment. In government, an establishment is defined as all locations of a government entity.

**Appendix table 1. Establishments and workers within scope of survey and number studied, Los Angeles-Long Beach, CA<sup>1</sup>, December 1995**

Industry division <sup>2</sup>	Number of establishments		Workers in establishments		
	Within scope of survey <sup>3</sup>	Studied	Within scope of survey <sup>4</sup>		Studied
			Number	Percent	
<b>ALL ESTABLISHMENTS</b>					
All divisions .....	8,065	340	2,325,332	100	664,497
Private industry .....	7,878	311	1,880,697	81	356,380
Goods producing .....	2,666	95	475,535	20	94,571
Manufacturing .....	2,297	83	430,862	19	92,083
Construction <sup>5</sup> .....	343	10	41,849	2	2,176
Service producing .....	5,212	216	1,405,162	60	261,809
Transportation, communication, electric, gas, and sanitary services <sup>6</sup> .....	340	21	143,637	6	41,043
Wholesale trade <sup>7</sup> .....	713	25	99,128	4	6,966
Retail trade <sup>7</sup> .....	1,319	34	356,755	15	64,815
Finance, insurance, and real estate <sup>7</sup> .....	402	21	133,726	6	33,825
Services <sup>7</sup> .....	2,438	115	671,916	29	115,160
State and local government .....	187	29	444,635	19	308,117
<b>ESTABLISHMENTS EMPLOYING 500 WORKERS OR MORE</b>					
All divisions .....	857	134	1,506,131	100	631,150
Private industry .....	753	111	1,076,493	71	323,960
Goods producing .....	102	26	165,139	11	82,958
Manufacturing .....	95	25	159,539	11	82,158
Service producing .....	651	85	911,354	61	241,002
Transportation, communication, electric, gas, and sanitary services <sup>6</sup> .....	100	12	105,399	7	39,607
Wholesale trade <sup>7</sup> .....	29	4	29,428	2	4,079
Retail trade <sup>7</sup> .....	139	16	258,476	17	63,071
Finance, insurance, and real estate <sup>7</sup> .....	68	10	90,718	6	32,278
Services <sup>7</sup> .....	315	43	427,333	28	101,967
State and local government .....	104	23	429,638	29	307,190

<sup>1</sup> The Los Angeles-Long Beach Primary Metropolitan Statistical Area, as defined by the Office of Management and Budget through October 1984, consists of Los Angeles County. The "workers within scope of survey" estimates provide a reasonably accurate description of the size and composition of the labor force included in the survey. Estimates are not intended, however, for comparison with other statistical series to measure employment trends or levels since (1) planning of wage surveys requires establishment data compiled considerably in advance of the payroll period studied, and (2) establishments employing fewer than 50 workers are excluded from the scope of the survey.

<sup>2</sup> The *Standard Industrial Classification Manual* was used in classifying establishments by industry.

<sup>3</sup> Includes all establishments with at least 50 total employees. In goods producing, an establishment is defined as a single physical location where industrial operations are performed. In service producing industries, an establishment is defined as all locations of a company in the area within the

same industry division. In government, an establishment is generally defined as all locations of a government entity.

<sup>4</sup> Includes all workers in all establishments with total employment (within an area) at or above the minimum limitations.

<sup>5</sup> Separate data for this division are not shown in the A-series tables, but the division is represented in the "all industries" and "goods producing" estimates.

<sup>6</sup> Abbreviated to "Transportation and utilities" in the A-series tables. This division is represented in the "all industries" and "service producing" estimates.

<sup>7</sup> Separate data for this division are not shown in the A-series tables, but the division is represented in the "all industries" and "service producing" estimates.

Note: Overall industries may include data for industry divisions not shown separately.