

Occupational Compensation Survey: Pay Only

**Portland, Oregon,
Metropolitan Area,
July 1995**



U.S. Department of Labor
Bureau of Labor Statistics

Bulletin 3080-26

Preface

This bulletin provides results of a July 1995 survey of occupational pay in the Portland, OR 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) 744-6600. 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

Portland, Oregon, Metropolitan Area, July 1995



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

Bureau of Labor Statistics
Katharine G. Abraham,
Commissioner

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Introduction

This survey of occupational pay in the Portland, OR Primary Metropolitan Statistical Area (Clackamas, Multnomah, Washington, and Yamhill Counties) was conducted as part of the U.S. Bureau of Labor Statistics Occupational Compensation Survey Program. The survey is one of a number of metropolitan areas surveyed annually 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 State and local governments and (2) increasing the survey's occupational coverage to include more professional, administrative,

technical, and protective service occupations in the tables specific to State and local governments.

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 and A-7 provide separate occupational pay for the health services industry.

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, Portland, OR, July 1995

Occupation and level	Number of workers	Average weekly hours ¹ (standard)	Weekly pay (in dollars) ²			Percent of workers receiving straight-time weekly pay (in dollars) of—																					
			Mean	Median	Middle range	Under 450	450 - 500	500 - 550	550 - 600	600 - 650	650 - 700	700 - 750	750 - 800	800 - 850	850 - 900	900 - 950	950 - 1000	1000 - 1100	1100 - 1200	1200 - 1300	1300 - 1400	1400 - 1500	1500 - 1600	1600 - 1700	1700 - 1800	1800 and over	
PROFESSIONAL OCCUPATIONS																											
Accountants																											
Level I	112	40.0	\$519	\$498	\$475 - \$570	8	48	6	22	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Private industry	88	40.0	498	493	475 - 516	10	61	7	17	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Goods-producing industries	64	40.0	514	-	- - -	-	63	9	23	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manufacturing	64	40.0	514	-	- - -	-	63	9	23	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Level II	448	39.9	596	596	558 - 635	4	4	14	37	25	8	6	2	(⁴)	(⁴)	-	-	-	-	-	-	-	-	-	-	-	-
Private industry	370	39.9	586	577	554 - 635	5	4	15	40	23	8	2	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Goods-producing industries	117	40.0	606	577	573 - 620	-	1	6	52	22	10	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manufacturing	114	40.0	608	577	573 - 624	-	-	6	52	23	11	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Service-producing industries	253	39.9	576	580	535 - 635	8	6	19	34	23	7	1	(⁴)	-	1	-	-	-	-	-	-	-	-	-	-	-	-
State and local government	78	40.0	646	645	598 - 709	-	3	8	21	32	9	22	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Level III	487	39.9	803	788	717 - 898	-	-	1	5	3	15	19	9	12	12	8	12	3	(⁴)	(⁴)	-	-	-	-	-	-	-
Private industry	391	39.9	812	813	721 - 904	-	-	1	4	2	13	19	10	13	12	8	14	4	(⁴)	(⁴)	1	-	-	-	-	-	-
Goods-producing industries	206	40.0	807	788	721 - 869	-	-	-	-	-	16	26	13	17	12	7	2	5	(⁴)	(⁴)	1	-	-	-	-	-	-
Manufacturing	204	40.0	806	788	721 - 869	-	-	-	-	-	16	26	13	17	12	6	2	5	(⁴)	(⁴)	1	-	-	-	-	-	-
Service-producing industries	185	39.8	819	846	715 - 962	-	-	3	8	4	10	11	6	9	11	9	27	3	-	-	-	-	-	-	-	-	-
Transportation and utilities	27	40.0	744	-	- - -	-	-	-	33	-	-	30	4	4	11	11	7	-	-	-	-	-	-	-	-	-	-
State and local government	96	40.0	763	738	684 - 860	-	-	1	7	6	23	18	7	8	14	10	4	1	-	-	-	-	-	-	-	-	-
Level IV	92	39.9	1,024	1,011	932 - 1,126	-	-	-	-	-	-	1	2	2	4	18	15	24	25	7	1	-	-	-	-	-	-
Private industry	67	39.9	1,028	-	- - -	-	-	-	-	-	-	1	3	3	4	10	18	30	19	9	1	-	-	-	-	-	-
State and local government	25	39.9	1,013	974	915 - 1,126	-	-	-	-	-	-	-	-	-	4	40	8	8	40	-	-	-	-	-	-	-	-
Level V	72	40.0	1,311	-	- - -	-	-	-	-	-	-	-	-	-	-	-	8	3	7	7	71	1	3	-	-	-	-
Private industry	71	40.0	1,310	-	- - -	-	-	-	-	-	-	-	-	-	-	-	8	3	7	7	70	1	3	-	-	-	-
Goods-producing industries	68	40.0	1,312	-	- - -	-	-	-	-	-	-	-	-	-	-	-	9	3	6	6	72	1	3	-	-	-	-
Manufacturing	68	40.0	1,312	-	- - -	-	-	-	-	-	-	-	-	-	-	-	9	3	6	6	72	1	3	-	-	-	-
Accountants, Public																											
Level I	52	40.0	502	507	481 - 520	8	38	50	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Private industry	52	40.0	502	507	481 - 520	8	38	50	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Service-producing industries	52	40.0	502	507	481 - 520	8	38	50	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Level II	59	40.0	555	554	519 - 589	-	-	49	31	19	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Private industry	59	40.0	555	554	519 - 589	-	-	49	31	19	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Service-producing industries	59	40.0	555	554	519 - 589	-	-	49	31	19	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Level III	85	40.0	653	644	615 - 692	-	-	4	20	29	25	13	7	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Private industry	85	40.0	653	644	615 - 692	-	-	4	20	29	25	13	7	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Service-producing industries	85	40.0	653	644	615 - 692	-	-	4	20	29	25	13	7	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Level IV	53	40.0	962	942	856 - 1,025	-	-	-	-	-	-	-	-	-	23	15	15	9	23	9	4	2	-	-	-	-	-
Private industry	53	40.0	962	942	856 - 1,025	-	-	-	-	-	-	-	-	-	23	15	15	9	23	9	4	2	-	-	-	-	-
Service-producing industries	53	40.0	962	942	856 - 1,025	-	-	-	-	-	-	-	-	-	23	15	15	9	23	9	4	2	-	-	-	-	-
Attorneys																											
Level I:																											
State and local government	9	40.0	838	-	- - -	-	-	-	-	-	-	-	-	11	67	-	11	11	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table A-1. All establishments: Weekly hours and pay of professional and administrative occupations, Portland, OR, July 1995 — Continued

Occupation and level	Number of workers	Average weekly hours ¹ (standard)	Weekly pay (in dollars) ²			Percent of workers receiving straight-time weekly pay (in dollars) of—																				
			Mean	Median	Middle range	Under 450	450 - 500	500 - 550	550 - 600	600 - 650	650 - 700	700 - 750	750 - 800	800 - 850	850 - 900	900 - 950	950 - 1000	1000 - 1100	1100 - 1200	1200 - 1300	1300 - 1400	1400 - 1500	1500 - 1600	1600 - 1700	1700 - 1800	1800 and over
Level II:																										
State and local government	15	39.8	\$1,049	\$1,081	\$946 - \$1,166	-	-	-	-	-	-	-	-	7	7	20	13	13	27	7	7	-	-	-	-	-
Level III	87	39.8	1,286	1,266	1,196 - 1,344	-	-	-	-	-	-	-	-	-	-	-	-	6	20	37	22	2	13	1	-	-
State and local government	60	39.9	1,304	1,285	1,188 - 1,347	-	-	-	-	-	-	-	-	-	-	-	-	2	23	27	30	2	17	-	-	-
Level IV	50	39.9	1,611	-	- - -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	14	26	14	12	12	⁵ 20
State and local government	16	39.8	1,541	1,572	1,395 - 1,657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	38	6	25	19	6	6
Engineers																										
Level I	216	40.0	694	707	641 - 748	-	(⁴)	1	9	28	7	30	17	6	(⁴)	-	-	-	-	-	-	-	-	-	-	-
Level II	552	40.0	807	824	740 - 865	-	-	-	(⁴)	3	5	20	13	26	23	9	2	-	-	-	-	-	-	-	-	-
Private industry	479	40.0	813	831	755 - 866	-	-	-	-	3	3	17	14	27	25	8	3	-	-	-	-	-	-	-	-	-
Goods-producing industries	416	40.0	819	833	755 - 872	-	-	-	-	3	4	12	14	27	28	9	3	-	-	-	-	-	-	-	-	-
Manufacturing	416	40.0	819	833	755 - 872	-	-	-	-	3	4	12	14	27	28	9	3	-	-	-	-	-	-	-	-	-
State and local government	73	40.0	764	707	707 - 841	-	-	-	1	3	16	37	1	23	4	14	-	-	-	-	-	-	-	-	-	-
Level III	1,157	40.0	949	945	871 - 1,022	-	-	-	-	-	-	2	7	11	16	16	15	24	8	2	-	-	-	-	-	-
Private industry	1,013	40.0	949	943	870 - 1,027	-	-	-	-	-	-	2	7	10	17	15	17	20	9	2	-	-	-	-	-	-
Goods-producing industries	904	40.0	957	954	875 - 1,037	-	-	-	-	-	-	1	8	10	15	14	18	21	10	2	-	-	-	-	-	-
Manufacturing	896	40.0	957	954	873 - 1,037	-	-	-	-	-	-	1	8	10	16	14	17	21	10	2	-	-	-	-	-	-
Service-producing industries	109	40.0	887	885	855 - 945	-	-	-	-	-	-	9	5	11	30	24	9	12	-	-	-	-	-	-	-	-
State and local government	144	40.0	948	966	881 - 1,022	-	-	-	-	-	-	1	3	18	10	17	6	46	-	-	-	-	-	-	-	-
Level IV	1,298	40.0	1,128	1,126	1,047 - 1,199	-	-	-	-	-	-	(⁴)	(⁴)	(⁴)	1	5	6	27	35	19	4	1	1	-	-	-
Private industry	1,173	40.0	1,134	1,127	1,050 - 1,200	-	-	-	-	-	-	-	-	(⁴)	1	4	6	28	35	19	4	1	2	-	-	-
Goods-producing industries	976	40.0	1,143	1,137	1,066 - 1,211	-	-	-	-	-	-	-	-	-	1	4	7	24	38	20	5	1	2	-	-	-
Manufacturing	940	40.0	1,141	1,134	1,062 - 1,209	-	-	-	-	-	-	-	-	-	1	4	7	24	37	20	4	1	2	-	-	-
Service-producing industries	197	40.0	1,088	1,080	1,021 - 1,152	-	-	-	-	-	-	-	-	1	2	4	5	49	23	16	1	-	-	-	-	-
State and local government	125	40.0	1,078	1,090	951 - 1,184	-	-	-	-	-	-	2	2	2	2	18	5	21	31	18	-	-	-	-	-	-
Level V	681	40.0	1,355	1,324	1,258 - 1,426	-	-	-	-	-	-	-	-	-	-	-	-	1	9	28	32	12	7	10	1	-
Private industry	642	40.0	1,363	1,332	1,269 - 1,442	-	-	-	-	-	-	-	-	-	-	-	-	1	8	26	33	13	7	11	1	-
Goods-producing industries	601	40.0	1,367	1,337	1,269 - 1,453	-	-	-	-	-	-	-	-	-	-	-	-	1	8	26	32	12	8	11	1	-
Manufacturing	601	40.0	1,367	1,337	1,269 - 1,453	-	-	-	-	-	-	-	-	-	-	-	-	1	8	26	32	12	8	11	1	-
State and local government	39	40.0	1,224	1,225	1,181 - 1,234	-	-	-	-	-	-	-	-	-	-	-	-	3	26	56	13	3	-	-	-	-
Level VI	309	40.0	1,582	1,563	1,474 - 1,681	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	10	23	23	26	8	9
Private industry	301	40.0	1,582	1,563	1,474 - 1,683	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	10	23	22	26	9	9
Goods-producing industries	292	40.0	1,587	1,569	1,477 - 1,688	-	-	-	-	-	-	-	-	-	-	-	-	-	(⁴)	10	24	23	27	8	9	9
Manufacturing	292	40.0	1,587	1,569	1,477 - 1,688	-	-	-	-	-	-	-	-	-	-	-	-	-	(⁴)	10	24	23	27	8	9	9
Registered Nurses																										
Level II	2,959	39.3	754	766	698 - 834	-	1	3	7	8	8	16	16	27	12	4	(⁴)	-	-	-	-	-	-	-	-	-
Private industry	2,600	39.2	749	758	688 - 831	-	1	3	8	8	8	15	15	27	12	3	(⁴)	-	-	-	-	-	-	-	-	-
Service-producing industries	2,599	39.2	749	758	688 - 831	-	1	3	8	8	8	15	15	27	12	3	(⁴)	-	-	-	-	-	-	-	-	-
State and local government	359	39.9	788	780	736 - 839	-	-	-	1	3	8	19	23	27	7	12	(⁴)	-	-	-	-	-	-	-	-	-
Level III	117	39.9	998	995	941 - 1,055	-	-	-	-	-	-	-	3	5	1	23	20	27	21	-	-	-	-	-	-	-
Private industry	75	40.0	1,019	-	- - -	-	-	-	-	-	-	-	-	3	1	19	20	31	27	-	-	-	-	-	-	-
Service-producing industries	75	40.0	1,019	-	- - -	-	-	-	-	-	-	-	-	3	1	19	20	31	27	-	-	-	-	-	-	-
State and local government	42	39.6	960	960	915 - 1,030	-	-	-	-	-	-	-	7	10	-	31	19	21	12	-	-	-	-	-	-	-

See footnotes at end of table.

Table A-1. All establishments: Weekly hours and pay of professional and administrative occupations, Portland, OR, July 1995 — Continued

Occupation and level	Number of workers	Average weekly hours ¹ (standard)	Weekly pay (in dollars) ²			Percent of workers receiving straight-time weekly pay (in dollars) of—																						
			Mean	Median	Middle range	Under 450	450 - 500	500 - 550	550 - 600	600 - 650	650 - 700	700 - 750	750 - 800	800 - 850	850 - 900	900 - 950	950 - 1000	1000 - 1100	1100 - 1200	1200 - 1300	1300 - 1400	1400 - 1500	1500 - 1600	1600 - 1700	1700 - 1800	1800 and over		
ADMINISTRATIVE OCCUPATIONS																												
Budget Analysts																												
Level III:																												
State and local government	16	39.8	\$842	\$847	\$745	—	\$894	—	—	—	—	13	—	13	6	25	31	—	—	—	13	—	—	—	—	—	—	—
Level IV																												
State and local government	10	40.0	958	—	—	—	—	—	—	—	—	—	—	—	—	—	—	40	60	—	—	—	—	—	—	—	—	—
State and local government	10	40.0	958	—	—	—	—	—	—	—	—	—	—	—	—	—	—	40	60	—	—	—	—	—	—	—	—	—
Buyers/Contracting Specialists																												
Level I																												
Private industry	109	39.9	557	554	505	—	594	1	23	22	34	13	6	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Goods-producing industries	102	39.9	558	554	505	—	594	—	24	22	35	12	7	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	91	40.0	558	554	498	—	594	—	25	22	34	10	8	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
State and local government	91	40.0	558	554	498	—	594	—	25	22	34	10	8	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
State and local government	7	40.0	543	—	—	—	—	—	14	14	29	14	29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Level II																												
Private industry	379	40.0	668	646	577	—	731	—	1	3	30	22	13	10	9	4	8	(⁴)	—	—	—	—	—	—	—	—	—	—
Goods-producing industries	350	40.0	664	643	577	—	731	—	1	3	33	22	12	7	9	4	9	(⁴)	—	—	—	—	—	—	—	—	—	—
Manufacturing	325	40.0	660	625	577	—	706	—	1	3	35	23	13	6	6	4	9	(⁴)	—	—	—	—	—	—	—	—	—	—
State and local government	325	40.0	660	625	577	—	706	—	1	3	35	23	13	6	6	4	9	(⁴)	—	—	—	—	—	—	—	—	—	—
State and local government	29	39.7	713	718	689	—	741	—	—	—	—	21	21	38	21	—	—	—	—	—	—	—	—	—	—	—	—	—
Level III																												
Private industry	185	40.0	864	867	808	—	892	—	—	—	—	2	1	3	7	28	39	6	8	6	—	—	—	—	—	—	—	—
Goods-producing industries	178	40.0	866	867	808	—	892	—	—	—	—	2	1	3	6	26	40	6	8	7	—	—	—	—	—	—	—	—
Manufacturing	165	40.0	864	867	808	—	892	—	—	—	—	2	1	4	6	28	38	6	8	7	—	—	—	—	—	—	—	—
State and local government	164	40.0	864	867	808	—	892	—	—	—	—	2	1	4	6	28	38	6	8	7	—	—	—	—	—	—	—	—
State and local government	7	40.0	808	—	—	—	—	—	—	—	—	—	—	—	29	71	—	—	—	—	—	—	—	—	—	—	—	—
Computer Programmers																												
Level II																												
Private industry	133	39.7	609	608	558	—	635	—	8	11	26	34	9	6	5	2	—	—	—	—	—	—	—	—	—	—	—	—
Goods-producing industries	123	39.7	610	619	558	—	635	—	7	11	27	33	10	7	5	2	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	77	40.0	639	—	—	—	—	—	—	—	27	43	9	10	8	3	—	—	—	—	—	—	—	—	—	—	—	—
State and local government	77	40.0	639	—	—	—	—	—	—	—	27	43	9	10	8	3	—	—	—	—	—	—	—	—	—	—	—	—
State and local government	10	40.0	607	—	—	—	—	—	20	10	10	40	—	—	10	10	—	—	—	—	—	—	—	—	—	—	—	—
Computer Systems Analysts																												
Level I																												
Private industry	249	39.6	729	708	674	—	779	(⁴)	—	4	2	12	29	13	22	8	6	3	2	—	—	—	—	—	—	—	—	—
Service-producing industries	196	39.5	736	726	684	—	780	—	—	2	1	10	28	14	26	10	7	2	1	—	—	—	—	—	—	—	—	—
State and local government	150	39.4	714	694	674	—	774	—	—	3	1	13	36	16	19	9	3	—	—	—	—	—	—	—	—	—	—	—
State and local government	53	40.0	701	688	647	—	739	2	—	9	6	17	32	9	6	2	4	8	6	—	—	—	—	—	—	—	—	—
Level II																												
Private industry	606	39.7	872	872	796	—	934	—	—	—	(⁴)	1	1	7	16	15	23	16	10	8	2	1	—	—	—	—	—	—
Goods-producing industries	504	39.6	877	877	822	—	938	—	—	—	(⁴)	(⁴)	1	1	8	14	15	24	17	11	9	(⁴)	1	—	—	—	—	—
Manufacturing	152	40.0	897	886	840	—	961	—	—	—	1	1	1	5	12	9	22	22	10	16	1	1	—	—	—	—	—	—
Service-producing industries	152	40.0	897	886	840	—	961	—	—	—	1	1	1	5	12	9	22	22	10	16	1	1	—	—	—	—	—	—
Transportation and utilities	352	39.5	868	867	812	—	923	—	—	—	—	—	1	9	14	18	25	15	12	5	—	1	—	—	—	—	—	—
State and local government	43	40.0	912	900	865	—	964	—	—	—	—	—	—	—	9	40	26	12	14	—	—	—	—	—	—	—	—	—
State and local government	102	40.0	848	837	763	—	909	—	—	—	—	5	5	6	26	14	15	11	3	3	13	—	—	—	—	—	—	—
Level III																												
Private industry	497	39.8	1,053	1,043	949	—	1,109	—	—	—	—	—	—	—	1	2	4	21	12	34	15	5	4	1	1	—	—	—
Goods-producing industries	483	39.8	1,053	1,043	949	—	1,108	—	—	—	—	—	—	—	1	2	4	21	11	34	14	5	4	1	1	—	—	—
Manufacturing	162	40.0	1,017	1,023	919	—	1,096	—	—	—	—	—	—	—	2	6	12	15	10	32	16	6	1	1	—	—	—	—
Manufacturing	162	40.0	1,017	1,023	919	—	1,096	—	—	—	—	—	—	—	2	6	12	15	10	32	16	6	1	1	—	—	—	—

See footnotes at end of table.

Table A-1. All establishments: Weekly hours and pay of professional and administrative occupations, Portland, OR, July 1995 — Continued

Occupation and level	Number of workers	Average weekly hours ¹ (standard)	Weekly pay (in dollars) ²			Percent of workers receiving straight-time weekly pay (in dollars) of—																				
			Mean	Median	Middle range	Under 450	450 - 500	500 - 550	550 - 600	600 - 650	650 - 700	700 - 750	750 - 800	800 - 850	850 - 900	900 - 950	950 - 1000	1000 - 1100	1100 - 1200	1200 - 1300	1300 - 1400	1400 - 1500	1500 - 1600	1600 - 1700	1700 - 1800	1800 and over
Service-producing industries	321	39.7	\$1,071	\$1,055	\$949 - \$1,114	-	-	-	-	-	-	-	-	1	1	24	12	35	14	4	6	1	2	-	-	-
State and local government	14	39.5	1,049	-	- - -	-	-	-	-	-	-	-	-	-	-	7	36	21	36	-	-	-	-	-	-	-
Computer Systems Analyst Supervisors/Managers																										
Level I	87	39.6	1,194	1,206	1,173 - 1,255	-	-	-	-	-	-	-	-	-	-	-	-	16	32	46	6	-	-	-	-	-
Private industry	74	39.6	1,206	-	- - -	-	-	-	-	-	-	-	-	-	-	-	-	9	34	50	7	-	-	-	-	-
Service-producing industries	60	39.5	1,207	-	- - -	-	-	-	-	-	-	-	-	-	-	-	-	10	33	50	7	-	-	-	-	-
State and local government	13	40.0	1,128	-	- - -	-	-	-	-	-	-	-	-	-	-	-	-	54	23	23	-	-	-	-	-	-
Personnel Specialists																										
Level II	232	39.9	613	615	538 - 669	-	12	17	14	21	21	7	5	2	1	(⁴)	-	-	-	-	-	-	-	-	-	-
Private industry	208	39.9	601	606	519 - 669	-	13	19	16	19	22	7	4	-	-	-	-	-	-	-	-	-	-	-	-	-
Goods-producing industries	96	40.0	628	633	575 - 672	-	11	5	20	17	27	14	6	-	-	-	-	-	-	-	-	-	-	-	-	-
Manufacturing	96	40.0	628	633	575 - 672	-	11	5	20	17	27	14	6	-	-	-	-	-	-	-	-	-	-	-	-	-
Service-producing industries	112	39.8	578	567	510 - 615	-	14	30	13	21	17	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-
State and local government	24	40.0	723	676	640 - 803	-	-	-	-	38	17	4	13	17	8	4	-	-	-	-	-	-	-	-	-	-
Level III	352	39.9	791	775	701 - 868	-	-	1	3	9	12	17	13	14	11	7	7	6	-	-	-	-	-	-	-	-
Private industry	303	39.9	780	769	690 - 853	-	-	1	4	11	12	18	14	14	9	7	4	7	-	-	-	-	-	-	-	-
Goods-producing industries	141	40.0	786	798	718 - 852	-	-	-	6	13	4	6	22	23	18	3	1	4	-	-	-	-	-	-	-	-
Manufacturing	141	40.0	786	798	718 - 852	-	-	-	6	13	4	6	22	23	18	3	1	4	-	-	-	-	-	-	-	-
Service-producing industries	162	39.9	776	720	686 - 904	-	-	2	1	9	19	29	6	6	1	10	6	10	-	-	-	-	-	-	-	-
Transportation and utilities	27	40.0	844	-	- - -	-	-	-	-	-	41	-	-	7	-	26	4	22	-	-	-	-	-	-	-	-
State and local government	49	39.7	858	856	781 - 940	-	-	-	-	-	10	10	6	14	24	10	22	2	-	-	-	-	-	-	-	-
Level IV	159	39.9	1,025	1,006	925 - 1,114	-	-	-	-	-	-	1	1	1	8	21	14	26	21	6	3	-	-	-	-	-
Private industry	138	39.9	1,022	1,002	910 - 1,113	-	-	-	-	-	-	1	1	1	9	22	13	25	18	7	3	-	-	-	-	-
Goods-producing industries	81	39.9	1,033	1,015	940 - 1,103	-	-	-	-	-	-	-	-	-	-	28	16	28	17	9	1	-	-	-	-	-
Manufacturing	81	39.9	1,033	1,015	940 - 1,103	-	-	-	-	-	-	-	-	-	-	28	16	28	17	9	1	-	-	-	-	-
Service-producing industries	57	39.9	1,006	-	- - -	-	-	-	-	-	-	2	4	4	21	14	9	19	19	4	5	-	-	-	-	-
State and local government	21	39.4	1,046	1,011	978 - 1,114	-	-	-	-	-	-	-	-	-	-	10	19	33	38	-	-	-	-	-	-	-
Tax Collectors																										
Level II	15	40.0	595	601	601 - 601	-	-	7	7	87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
State and local government	15	40.0	595	601	601 - 601	-	-	7	7	87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

¹ 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.

² 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.

³ All workers were at \$350 and under \$400.

⁴ Less than 0.5 percent.

⁵ Workers were distributed as follows: 6 percent at \$1,800 and under \$1,900; 12 percent at \$1,900 and under \$2,000; and 2 percent at \$2,200 and under \$2,300.

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, Portland, OR, July 1995

Occupation and level	Number of workers	Average weekly hours ¹ (standard)	Weekly pay (in dollars) ²			Percent of workers receiving straight-time weekly pay (in dollars) of—																						
			Mean	Median	Middle range	225 and under 250	250	275	300	325	350	375	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	
							- 275	- 300	- 325	- 350	- 375	- 400	- 450	- 500	- 550	- 600	- 650	- 700	- 750	- 800	- 850	- 900	- 950	- 1000	- 1050	- 1100		
TECHNICAL OCCUPATIONS																												
Computer Operators																												
Level II	170	39.8	\$456	\$442	\$424 — \$476	—	—	—	1	3	5	6	45	24	7	4	3	2	—	—	—	—	—	—	—	—	—	—
Private industry	154	39.8	451	442	423 — 471	—	—	—	1	3	5	5	49	21	7	4	1	3	—	—	—	—	—	—	—	—	—	—
Service-producing industries	113	39.7	444	442	415 — 442	—	—	—	1	4	6	7	64	2	5	5	2	4	—	—	—	—	—	—	—	—	—	—
State and local government	16	39.5	507	495	464 — 570	—	—	—	—	—	—	13	6	50	6	6	19	—	—	—	—	—	—	—	—	—	—	—
Level III	238	39.7	549	538	481 — 558	—	—	—	—	—	—	—	2	25	41	15	7	3	4	5	—	—	—	—	—	—	—	—
Private industry	219	39.7	541	538	480 — 553	—	—	—	—	—	—	—	2	27	42	15	6	3	1	5	—	—	—	—	—	—	—	—
Goods-producing industries	109	39.8	539	538	538 — 550	—	—	—	—	—	—	—	1	18	53	17	9	2	—	—	—	—	—	—	—	—	—	—
Manufacturing	109	39.8	539	538	538 — 550	—	—	—	—	—	—	—	1	18	53	17	9	2	—	—	—	—	—	—	—	—	—	—
Service-producing industries	110	39.5	544	518	480 — 558	—	—	—	—	—	—	—	4	35	30	14	3	4	2	9	—	—	—	—	—	—	—	—
State and local government	19	39.9	630	608	510 — 741	—	—	—	—	—	—	—	—	—	32	11	16	—	37	5	—	—	—	—	—	—	—	—
Drafters																												
Level II	294	40.0	499	500	450 — 540	—	—	—	—	—	1	13	9	20	36	13	—	9	—	—	—	—	—	—	—	—	—	—
Private industry	292	40.0	500	500	450 — 540	—	—	—	—	—	1	12	9	20	36	13	—	9	—	—	—	—	—	—	—	—	—	—
Goods-producing industries	211	40.0	506	500	455 — 570	—	—	—	—	—	1	17	1	18	35	16	—	12	—	—	—	—	—	—	—	—	—	—
Manufacturing	211	40.0	506	500	455 — 570	—	—	—	—	—	1	17	1	18	35	16	—	12	—	—	—	—	—	—	—	—	—	—
Level III	99	40.0	594	590	560 — 621	—	—	—	—	—	—	—	1	8	11	39	25	6	6	3	—	—	—	—	—	—	—	—
Private industry	91	40.0	594	590	560 — 621	—	—	—	—	—	—	—	1	9	8	43	23	7	7	3	—	—	—	—	—	—	—	—
Goods-producing industries	69	40.0	599	—	— — —	—	—	—	—	—	—	—	1	12	7	35	23	9	9	4	—	—	—	—	—	—	—	—
Manufacturing	69	40.0	599	—	— — —	—	—	—	—	—	—	—	1	12	7	35	23	9	9	4	—	—	—	—	—	—	—	—
State and local government	8	40.0	593	—	— — —	—	—	—	—	—	—	—	—	—	50	—	50	—	—	—	—	—	—	—	—	—	—	—
Engineering Technicians																												
Level II	65	40.0	501	—	— — —	—	—	—	—	—	—	2	32	22	20	14	11	—	—	—	—	—	—	—	—	—	—	—
Private industry	65	40.0	501	—	— — —	—	—	—	—	—	—	2	32	22	20	14	11	—	—	—	—	—	—	—	—	—	—	—
Goods-producing industries	65	40.0	501	—	— — —	—	—	—	—	—	—	2	32	22	20	14	11	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	65	40.0	501	—	— — —	—	—	—	—	—	—	2	32	22	20	14	11	—	—	—	—	—	—	—	—	—	—	—
Level III	280	40.0	578	576	542 — 618	—	—	—	—	—	—	(³)	1	9	17	37	23	7	4	—	(³)	—	—	—	—	—	—	—
Private industry	280	40.0	578	576	542 — 618	—	—	—	—	—	—	(³)	1	9	17	37	23	7	4	—	(³)	—	—	—	—	—	—	—
Goods-producing industries	235	40.0	578	576	532 — 616	—	—	—	—	—	—	(³)	2	9	20	34	23	7	5	—	(³)	—	—	—	—	—	—	—
Manufacturing	233	40.0	578	576	532 — 616	—	—	—	—	—	—	(³)	2	9	20	34	23	7	5	—	(³)	—	—	—	—	—	—	—
Level IV	382	40.0	702	710	634 — 763	—	—	—	—	—	—	—	—	—	2	8	21	16	19	21	13	(³)	—	—	—	—	—	—
Private industry	382	40.0	702	710	634 — 763	—	—	—	—	—	—	—	—	—	2	8	21	16	19	21	13	(³)	—	—	—	—	—	—
Goods-producing industries	343	40.0	712	722	649 — 770	—	—	—	—	—	—	—	—	—	1	8	16	16	21	23	15	(³)	—	—	—	—	—	—
Manufacturing	343	40.0	712	722	649 — 770	—	—	—	—	—	—	—	—	—	1	8	16	16	21	23	15	(³)	—	—	—	—	—	—
Level V	133	40.0	844	856	775 — 922	—	—	—	—	—	—	—	—	—	—	1	2	3	11	12	20	19	20	11	1	1	1	1
Private industry	133	40.0	844	856	775 — 922	—	—	—	—	—	—	—	—	—	—	1	2	3	11	12	20	19	20	11	1	1	1	1
Engineering Technicians, Civil																												
Level I	7	40.0	474	—	— — —	—	—	—	14	—	14	—	—	—	71	—	—	—	—	—	—	—	—	—	—	—	—	—
State and local government	7	40.0	474	—	— — —	—	—	—	14	—	14	—	—	—	71	—	—	—	—	—	—	—	—	—	—	—	—	—
Level II	109	40.0	459	478	386 — 506	—	—	—	—	11	11	5	13	23	28	4	6	—	—	—	—	—	—	—	—	—	—	—
State and local government	57	40.0	482	478	424 — 527	—	—	—	—	—	11	9	14	28	19	7	12	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table A-2. All establishments: Weekly hours and pay of technical and protective service occupations, Portland, OR, July 1995 — Continued

Occupation and level	Number of workers	Average weekly hours ¹ (standard)	Weekly pay (in dollars) ²				Percent of workers receiving straight-time weekly pay (in dollars) of—																					
			Mean	Median	Middle range		225 and under 250	250 - 275	275 - 300	300 - 325	325 - 350	350 - 375	375 - 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	232	40.0	\$591	\$580	\$528	—	\$659	—	—	—	—	—	(³)	3	7	20	30	9	22	7	1	—	—	—	—	—	—	
State and local government	193	40.0	596	588	527	—	659	—	—	—	—	—	1	3	9	18	23	11	25	8	2	—	—	—	—	—	—	
Level IV	239	40.0	734	753	658	—	816	—	—	—	—	—	—	(³)	1	9	15	12	11	19	32	2	—	—	—	—	—	
State and local government	199	40.0	753	774	691	—	835	—	—	—	—	—	—	1	1	8	6	12	12	22	38	2	—	—	—	—	—	
Level V	57	40.0	870	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5	5	42	18	11	4	16	—	—	
State and local government	52	40.0	871	822	822	—	927	—	—	—	—	—	—	—	—	—	—	—	6	4	44	17	8	4	17	—	—	
Level VI	17	40.0	914	918	918	—	918	—	—	—	—	—	—	—	—	—	—	—	—	—	6	—	94	—	—	—	—	
State and local government	17	40.0	914	918	918	—	918	—	—	—	—	—	—	—	—	—	—	—	—	—	6	—	94	—	—	—	—	
Licensed Practical Nurses																												
Level II	349	39.8	528	540	475	—	562	—	—	—	—	—	(³)	6	28	30	26	10	—	—	—	—	—	—	—	—	—	
Private industry	318	39.8	530	543	475	—	562	—	—	—	—	—	—	5	25	33	28	9	—	—	—	—	—	—	—	—	—	
Service-producing industries	318	39.8	530	543	475	—	562	—	—	—	—	—	—	5	25	33	28	9	—	—	—	—	—	—	—	—	—	
Nursing Assistants																												
Level II	1,670	39.2	327	319	290	—	354	(³)	10	25	20	18	11	6	8	2	(³)	—	—	—	—	—	—	—	—	—	—	
Private industry	1,581	39.2	326	314	288	—	351	(³)	10	25	20	18	10	5	8	3	(³)	—	—	—	—	—	—	—	—	—	—	
Service-producing industries	1,581	39.2	326	314	288	—	351	(³)	10	25	20	18	10	5	8	3	(³)	—	—	—	—	—	—	—	—	—	—	
Level III	151	39.1	403	385	368	—	441	—	—	—	8	10	23	15	25	13	6	—	—	—	—	—	—	—	—	—	—	
Private industry	95	38.6	374	372	347	—	385	—	—	—	13	14	35	22	17	—	—	—	—	—	—	—	—	—	—	—	—	
Service-producing industries	95	38.6	374	372	347	—	385	—	—	—	13	14	35	22	17	—	—	—	—	—	—	—	—	—	—	—	—	
PROTECTIVE SERVICE OCCUPATIONS																												
Corrections Officers	456	40.0	757	801	706	—	847	—	—	—	—	—	—	2	2	5	3	7	5	14	11	33	17	—	—	—	—	
State and local government	456	40.0	757	801	706	—	847	—	—	—	—	—	—	2	2	5	3	7	5	14	11	33	17	—	—	—	—	
Firefighters	536	53.0	864	897	836	—	897	—	—	—	—	—	—	—	—	—	1	(³)	4	5	11	11	50	7	11	—	—	
State and local government	536	53.0	864	897	836	—	897	—	—	—	—	—	—	—	—	—	1	(³)	4	5	11	11	50	7	11	—	—	
Police Officers																												
Level I	1,504	40.0	789	802	708	—	897	—	—	—	—	—	—	(³)	—	(³)	2	11	9	13	12	15	33	2	2	—	—	
State and local government	1,504	40.0	789	802	708	—	897	—	—	—	—	—	—	(³)	—	(³)	2	11	9	13	12	15	33	2	2	—	—	
Level II	19	40.0	826	858	751	—	858	—	—	—	—	—	—	—	—	—	—	—	—	26	11	63	—	—	—	—	—	
State and local government	19	40.0	826	858	751	—	858	—	—	—	—	—	—	—	—	—	—	—	—	26	11	63	—	—	—	—	—	

¹ 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.

² 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.

³ 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, Portland, OR, July 1995

Occupation and level	Number of workers	Average weekly hours ¹ (standard)	Weekly pay (in dollars) ²				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 - 375	375 - 400	400 - 425	425 - 450	450 - 475	475 - 500	500 - 525	525 - 550	550 - 575	575 - 600	600 - 650	650 - 700	700 - 750	750 - 800	800 and over		
Clerks, Accounting																													
Level II	852	39.9	\$379	\$374	\$339	—	\$418	—	—	2	2	15	12	20	18	13	7	6	1	2	2	(³)	(³)	(³)	—	—	—	—	
Private industry	792	39.8	374	369	339	—	406	—	—	3	2	16	13	21	19	11	7	4	1	2	1	(³)	(³)	(³)	—	—	—	—	
Goods-producing industries	524	39.9	381	369	340	—	418	—	—	3	—	13	9	25	19	13	7	4	1	3	1	1	1	(³)	—	—	—	—	
Manufacturing	466	39.9	371	361	340	—	396	—	—	4	—	14	10	28	21	13	4	1	(³)	3	(³)	(³)	(³)	—	—	—	—	—	
Service-producing industries	268	39.7	361	357	320	—	387	—	—	1	6	22	19	13	19	8	6	4	1	1	—	—	—	—	—	—	—	—	
Transportation and utilities	37	40.0	323	—	—	—	—	—	—	—	—	54	46	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
State and local government	60	40.0	448	447	420	—	467	—	—	—	—	—	2	3	8	30	8	27	5	—	17	—	—	—	—	—	—	—	
Level III	1,194	39.9	451	462	400	—	496	—	—	—	—	4	2	5	13	7	12	19	17	8	6	3	2	1	—	—	—	—	
Private industry	1,016	39.9	441	452	388	—	485	—	—	—	—	5	2	6	15	7	13	21	17	8	3	1	(³)	1	—	—	—	—	
Goods-producing industries	420	40.0	442	452	408	—	471	—	—	—	—	6	(³)	1	15	7	19	30	10	5	5	1	—	(³)	—	—	—	—	
Manufacturing	377	40.0	436	446	402	—	470	—	—	—	—	7	1	1	16	7	21	27	12	6	1	1	—	(³)	—	—	—	—	
Service-producing industries	596	39.9	441	456	385	—	496	—	—	—	—	4	4	9	15	8	9	14	22	10	2	1	(³)	2	—	—	—	—	
Transportation and utilities	57	40.0	450	442	410	—	504	—	—	—	—	4	—	16	2	16	16	14	4	11	19	—	—	—	—	—	—	—	
State and local government	178	39.9	506	516	472	—	556	—	—	—	—	—	1	—	4	3	8	12	17	8	20	15	10	1	—	—	—	—	
Level IV	317	39.7	503	508	444	—	563	—	—	—	—	—	1	3	5	2	20	7	9	14	10	10	14	7	—	—	—	—	
Private industry	265	39.9	487	490	440	—	534	—	—	—	—	—	1	4	6	2	23	8	9	16	11	6	13	1	—	—	—	—	
Goods-producing industries	119	40.0	521	524	480	—	580	—	—	—	—	—	—	—	—	1	13	5	14	17	16	5	28	1	—	—	—	—	
Service-producing industries	146	39.9	460	444	436	—	508	—	—	—	—	—	1	7	11	3	32	10	5	15	8	6	1	1	—	—	—	—	
State and local government	52	38.8	584	575	563	—	632	—	—	—	—	—	—	—	—	—	—	—	6	4	4	33	17	37	—	—	—	—	
Clerks, General																													
Level II	500	39.7	310	303	263	—	360	5	6	19	17	12	8	24	6	3	1	—	—	—	—	—	—	—	—	—	—	—	—
Private industry	418	39.6	303	291	258	—	355	6	7	22	16	12	7	19	6	3	(³)	—	—	—	—	—	—	—	—	—	—	—	—
Goods-producing industries	106	40.0	360	360	353	—	382	—	—	4	—	10	8	51	13	11	2	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	98	40.0	360	360	351	—	383	—	—	—	—	11	9	47	14	12	2	—	—	—	—	—	—	—	—	—	—	—	—
Service-producing industries	312	39.5	284	280	252	—	310	8	9	29	22	13	7	8	4	—	—	—	—	—	—	—	—	—	—	—	—	—	
State and local government	82	40.0	345	361	310	—	362	—	—	—	21	11	11	46	2	5	4	—	—	—	—	—	—	—	—	—	—	—	—
Level III	1,855	39.8	405	413	350	—	456	—	—	2	5	8	9	12	8	23	7	7	12	5	(³)	(³)	—	—	—	1	—	—	—
Private industry	742	39.7	369	360	314	—	404	—	—	6	12	15	11	22	7	8	2	5	8	1	—	(³)	—	—	—	2	—	—	—
Goods-producing industries	250	40.0	375	365	333	—	404	—	—	—	6	10	12	35	8	11	6	6	5	—	—	1	—	—	—	—	—	—	—
Manufacturing	238	40.0	372	363	331	—	402	—	—	—	7	11	13	36	7	10	6	5	5	—	—	1	—	—	—	—	—	—	—
Service-producing industries:																													
Transportation and utilities	33	40.0	570	—	—	—	—	—	—	—	—	3	—	12	3	6	—	9	—	15	—	—	—	—	52	—	—	—	—
State and local government	1,113	39.9	428	420	398	—	471	—	—	—	—	3	8	6	8	34	9	9	14	9	(³)	—	—	—	—	—	—	—	—
Level IV	596	39.8	443	439	395	—	482	—	—	—	—	8	5	6	7	14	15	11	12	8	3	1	10	—	—	—	—	—	—
Private industry	426	40.0	414	423	369	—	466	—	—	—	—	11	8	8	10	16	17	14	13	2	1	(³)	—	—	—	—	—	—	—
Service-producing industries	254	40.0	392	385	339	—	435	—	—	—	—	18	12	13	13	12	13	6	8	3	2	—	—	—	—	—	—	—	—
State and local government	170	39.4	517	505	478	—	584	—	—	—	—	—	—	—	1	8	8	6	9	23	6	3	35	—	—	—	—	—	—
Clerks, Order																													
Level I	112	40.0	390	383	358	—	423	—	—	—	7	4	12	16	21	27	1	8	1	—	—	—	—	4	—	—	—	—	—
Private industry	112	40.0	390	383	358	—	423	—	—	—	7	4	12	16	21	27	1	8	1	—	—	—	—	4	—	—	—	—	—
Goods-producing industries	94	40.0	399	386	364	—	423	—	—	—	—	1	14	19	24	31	—	5	1	—	—	—	—	4	—	—	—	—	—
Manufacturing	94	40.0	399	386	364	—	423	—	—	—	—	1	14	19	24	31	—	5	1	—	—	—	—	4	—	—	—	—	—
Level II	222	40.0	504	470	437	—	592	—	—	—	—	—	(³)	8	7	5	16	16	7	6	5	3	1	13	12	—	—	—	—
Private industry	222	40.0	504	470	437	—	592	—	—	—	—	—	(³)	8	7	5	16	16	7	6	5	3	1	13	12	—	—	—	—

See footnotes at end of table.

Table A-3. All establishments: Weekly hours and pay of clerical occupations, Portland, OR, July 1995 — Continued

Occupation and level	Number of workers	Average weekly hours ¹ (standard)	Weekly pay (in dollars) ²			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 - 375	375 - 400	400 - 425	425 - 450	450 - 475	475 - 500	500 - 525	525 - 550	550 - 575	575 - 600	600 - 650	650 - 700	700 - 750	750 - 800	800 and over	
Key Entry Operators																											
Level I	368	39.9	\$328	\$318	\$277 - \$361	-	2	13	20	16	13	20	4	6	2	2	2	1	-	-	-	-	-	-	-	-	-
Private industry	348	39.9	322	308	277 - 360	-	2	14	21	17	13	20	4	6	2	1	-	-	-	-	-	-	-	-	-	-	-
Service-producing industries	284	39.9	307	300	277 - 336	-	2	17	26	20	14	15	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-
State and local government	20	40.0	430	477	355 - 493	-	-	-	10	-	10	20	-	-	-	10	35	15	-	-	-	-	-	-	-	-	-
Level II	289	39.9	377	380	320 - 412	-	-	-	6	21	6	17	17	11	16	3	-	2	-	1	(³)	1	-	-	-	-	-
Private industry	285	39.9	377	378	320 - 412	-	-	-	6	21	6	17	17	11	16	3	-	2	-	1	(³)	1	-	-	-	-	-
Service-producing industries	250	39.9	376	380	320 - 423	-	-	-	6	23	5	15	15	10	18	3	-	2	-	1	(³)	1	-	-	-	-	-
Transportation and utilities	27	40.0	432	-	- - -	-	-	-	-	-	-	22	11	19	15	15	-	11	-	-	-	7	-	-	-	-	-
Personnel Assistants (Employment)																											
Level II	63	40.0	422	-	- - -	-	-	-	-	-	-	17	22	13	8	32	3	-	5	-	-	-	-	-	-	-	-
Private industry	63	40.0	422	-	- - -	-	-	-	-	-	-	17	22	13	8	32	3	-	5	-	-	-	-	-	-	-	-
Secretaries																											
Level II	438	39.8	475	470	440 - 503	-	-	-	-	-	-	1	5	10	19	19	15	12	16	1	1	1	(³)	(³)	(³)	-	-
Private industry	415	39.8	473	470	439 - 500	-	-	-	-	-	-	1	5	10	20	20	13	10	17	1	(³)	(³)	(³)	(³)	-	-	
Goods-producing industries	210	40.0	460	453	442 - 475	-	-	-	-	-	-	(³)	1	16	21	27	16	15	1	2	-	-	-	-	-	-	-
Manufacturing	210	40.0	460	453	442 - 475	-	-	-	-	-	-	(³)	1	16	21	27	16	15	1	2	-	-	-	-	-	-	-
Service-producing industries	205	39.6	485	482	433 - 546	-	-	-	-	-	-	1	9	5	19	12	11	6	34	(³)	(³)	1	(³)	(³)	-	-	
State and local government	23	40.0	525	508	499 - 570	-	-	-	-	-	-	-	-	-	-	-	39	35	-	4	13	9	-	-	-	-	-
Level III	949	39.9	529	526	488 - 558	-	-	-	-	(³)	(³)	(³)	1	3	4	9	12	19	16	17	5	8	2	1	(³)	(³)	
Private industry	817	39.9	525	520	482 - 557	-	-	-	-	(³)	(³)	(³)	1	3	5	9	13	20	15	19	4	6	2	1	(³)	(³)	
Goods-producing industries	504	40.0	525	515	483 - 558	-	-	-	-	-	-	(³)	(³)	1	3	10	17	25	14	15	4	5	2	1	(³)	(³)	
Manufacturing	495	40.0	524	515	481 - 558	-	-	-	-	-	-	(³)	(³)	1	3	11	18	25	15	15	4	4	2	1	(³)	(³)	
Service-producing industries	313	39.8	524	542	481 - 557	-	-	-	-	(³)	(³)	1	2	6	7	7	5	13	17	25	3	8	3	(³)	1	-	
State and local government	132	39.7	555	530	511 - 602	-	-	-	-	-	-	-	-	3	2	6	9	11	24	8	10	19	3	5	-	-	
Level IV	323	39.8	618	606	577 - 666	-	-	-	-	-	-	-	-	-	1	1	3	4	9	6	12	35	13	12	3	1	
Private industry	260	39.8	614	606	577 - 659	-	-	-	-	-	-	-	-	-	1	2	3	2	11	3	13	38	15	7	3	1	
Goods-producing industries	91	40.0	648	622	606 - 673	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	56	24	7	8	2	
Manufacturing	91	40.0	648	622	606 - 673	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	56	24	7	8	2	
Service-producing industries	169	39.7	595	595	536 - 635	-	-	-	-	-	-	-	-	-	1	2	5	4	16	4	20	28	11	7	1	-	
State and local government	63	40.0	637	615	568 - 733	-	-	-	-	-	-	-	-	-	-	-	-	10	3	19	6	24	5	33	-	-	
Switchboard Operator-Receptionists																											
Private industry	865	39.8	361	357	310 - 396	-	1	3	6	31	9	8	19	9	4	5	2	3	-	-	-	-	-	-	-	-	-
Goods-producing industries	824	39.8	357	345	310 - 392	-	1	3	6	33	9	8	19	7	5	5	1	3	-	-	-	-	-	-	-	-	-
Manufacturing	316	40.0	364	357	310 - 392	-	-	-	10	29	9	11	16	9	(³)	3	3	8	-	-	-	-	-	-	-	-	-
Service-producing industries	278	40.0	359	340	310 - 377	-	-	-	12	33	11	13	10	6	(³)	3	3	9	-	-	-	-	-	-	-	-	-
Transportation and utilities	508	39.7	353	335	300 - 392	-	1	5	3	35	9	7	20	6	7	6	(³)	(³)	-	-	-	-	-	-	-	-	-
State and local government	27	40.0	386	-	- - -	-	-	-	11	15	7	15	-	4	33	11	-	4	-	-	-	-	-	-	-	-	-
State and local government	41	40.0	423	410	396 - 469	-	-	-	-	-	2	2	22	44	-	20	7	2	-	-	-	-	-	-	-	-	-
Word Processors																											
Level I	57	38.3	365	-	- - -	-	-	-	-	47	-	4	12	14	21	2	-	-	-	-	-	-	-	-	-	-	-
Level II	219	39.0	437	431	400 - 462	-	-	-	-	-	1	7	16	18	30	6	5	11	6	-	1	-	-	-	-	-	-
Private industry	178	38.7	430	426	385 - 442	-	-	-	-	-	-	9	19	22	28	6	3	7	6	-	1	-	-	-	-	-	-
Service-producing industries	135	38.3	438	426	400 - 463	-	-	-	-	-	-	12	9	28	22	7	4	9	8	-	1	-	-	-	-	-	-
State and local government	41	40.0	464	462	431 - 502	-	-	-	-	-	5	-	2	-	39	7	12	27	7	-	-	-	-	-	-	-	-

¹ 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.

² 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.

Table A-4. All establishments: Hourly pay of maintenance and toolroom occupations, Portland, OR, July 1995

Occupation and level	Number of workers	Hourly pay (in dollars) ¹				Percent of workers receiving straight-time hourly pay (in dollars) of—																										
		Mean	Median	Middle range	Under 7.00	7.00	7.50	8.00	8.50	9.00	9.50	10.00	10.50	11.00	11.50	12.00	13.00	14.00	15.00	16.00	17.00	18.00	19.00	20.00	21.00	22.00	24.00	26.00				
						7.50	8.00	8.50	9.00	9.50	10.00	10.50	11.00	11.50	12.00	13.00	14.00	15.00	16.00	17.00	18.00	19.00	20.00	21.00	22.00	24.00	26.00					
General Maintenance Workers	547	\$9.94	\$9.50	\$8.02 – \$11.55	5	10	10	3	13	9	7	9	9	2	3	6	8	8	–	–	–	–	–	–	–	–	–	–	–	–		
Private industry	454	9.48	9.00	7.79 – 10.60	6	11	13	3	15	10	7	8	8	2	1	6	4	6	–	–	–	–	–	–	–	–	–	–	–	–		
Goods-producing industries	99	10.66	10.17	9.25 – 12.08	–	–	–	–	–	31	16	12	13	1	–	13	10	3	–	–	–	–	–	–	–	–	–	–	–	–		
Manufacturing	99	10.66	10.17	9.25 – 12.08	–	–	–	–	–	31	16	12	13	1	–	13	10	3	–	–	–	–	–	–	–	–	–	–	–	–		
Service-producing industries	355	9.15	8.65	7.57 – 10.34	7	15	16	4	20	4	5	6	7	2	1	4	2	7	–	–	–	–	–	–	–	–	–	–	–	–		
State and local government	93	12.21	12.02	10.72 – 13.76	–	–	–	1	–	1	5	13	13	1	14	6	27	18	–	–	–	–	–	–	–	–	–	–	–	–		
Maintenance Electricians	327	18.49	18.53	16.65 – 20.13	–	–	–	–	–	–	–	–	–	–	–	–	7	2	14	9	13	14	10	14	6	9	2	–	–	–		
Private industry	237	17.98	17.81	16.06 – 19.50	–	–	–	–	–	–	–	–	–	–	–	–	8	2	15	9	17	20	14	5	6	(²)	3	–	–	–		
Goods-producing industries	182	18.33	18.53	17.00 – 19.67	–	–	–	–	–	–	–	–	–	–	–	–	10	1	5	9	19	25	12	7	8	1	4	–	–	–		
Manufacturing	182	18.33	18.53	17.00 – 19.67	–	–	–	–	–	–	–	–	–	–	–	–	10	1	5	9	19	25	12	7	8	1	4	–	–	–		
Service-producing industries	55	16.82	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	5	49	9	13	2	22	–	–	–	–	–	–	–	–	
State and local government	90	19.84	20.13	16.68 – 22.18	–	–	–	–	–	–	–	–	–	–	–	–	4	2	11	8	–	–	–	39	6	30	–	–	–	–	–	
Maintenance Electronics Technicians																																
Level I:																																
State and local government	6	14.92	–	–	–	–	–	–	–	–	17	–	–	–	–	–	–	–	33	33	17	–	–	–	–	–	–	–	–	–	–	
Level II	522	15.55	16.68	11.50 – 18.85	–	–	–	–	–	–	–	7	3	13	4	4	11	4	2	5	1	40	2	1	2	1	(²)	1	–	–	–	
Private industry	468	15.47	16.56	11.50 – 18.85	–	–	–	–	–	–	–	8	4	12	4	4	12	4	1	3	1	45	2	–	(²)	1	–	–	–	–	–	
State and local government	54	16.30	16.77	11.34 – 20.03	–	–	–	–	–	–	–	–	–	–	26	6	2	4	–	4	22	–	–	2	11	19	6	–	–	–	–	
Maintenance Machinists	197	16.96	16.18	15.68 – 18.75	–	–	–	–	–	–	–	–	–	–	–	1	10	–	26	29	2	17	7	8	1	1	–	–	–	–	–	
Private industry	195	16.96	16.18	15.68 – 18.75	–	–	–	–	–	–	–	–	–	–	–	1	10	–	27	29	1	17	7	8	1	1	–	–	–	–	–	
Goods-producing industries	125	17.56	18.75	16.17 – 18.75	–	–	–	–	–	–	–	–	–	–	–	1	15	–	8	23	2	26	10	12	2	1	–	–	–	–	–	
Manufacturing	125	17.56	18.75	16.17 – 18.75	–	–	–	–	–	–	–	–	–	–	–	1	15	–	8	23	2	26	10	12	2	1	–	–	–	–	–	
Maintenance Mechanics, Machinery	549	16.30	16.69	14.78 – 17.60	–	–	–	–	–	–	–	–	–	–	1	1	18	7	16	19	19	12	7	–	–	–	–	–	–	–	–	
Private industry	544	16.28	16.69	14.78 – 17.60	–	–	–	–	–	–	–	–	–	–	1	1	18	7	16	20	18	12	7	–	–	–	–	–	–	–	–	
Goods-producing industries	477	16.23	16.69	14.36 – 17.60	–	–	–	–	–	–	–	–	–	–	1	2	20	8	11	22	15	14	7	–	–	–	–	–	–	–	–	
Manufacturing	477	16.23	16.69	14.36 – 17.60	–	–	–	–	–	–	–	–	–	–	1	2	20	8	11	22	15	14	7	–	–	–	–	–	–	–	–	
Maintenance Mechanics, Motor Vehicle	723	16.04	16.90	14.18 – 17.66	–	–	–	–	–	–	–	3	6	3	–	1	6	16	3	15	29	7	7	4	1	(²)	–	–	–	–	–	
Private industry	497	15.60	16.17	13.80 – 17.81	–	–	–	–	–	–	–	4	8	4	–	1	9	21	3	10	15	8	10	4	2	(²)	–	–	–	–	–	
Goods-producing industries	73	16.78	–	–	–	–	–	–	–	–	–	–	–	1	–	–	4	10	8	19	38	11	3	–	4	1	–	–	–	–	–	
Manufacturing	73	16.78	–	–	–	–	–	–	–	–	–	–	–	1	–	–	4	10	8	19	38	11	3	–	4	1	–	–	–	–	–	
Service-producing industries	424	15.40	14.55	13.50 – 18.24	–	–	–	–	–	–	–	5	9	5	–	1	9	23	2	9	11	8	11	5	1	–	–	–	–	–	–	
State and local government	226	17.00	17.20	16.77 – 17.20	–	–	–	–	–	–	–	–	–	–	–	1	1	3	4	25	59	4	–	2	–	–	–	–	–	–	–	–
Tool and Die Makers	169	18.54	18.50	17.51 – 20.58	–	–	–	–	–	–	–	–	–	–	–	–	15	–	8	–	10	24	7	21	–	10	5	–	–	–	–	
Private industry	169	18.54	18.50	17.51 – 20.58	–	–	–	–	–	–	–	–	–	–	–	–	15	–	8	–	10	24	7	21	–	10	5	–	–	–	–	
Goods-producing industries	169	18.54	18.50	17.51 – 20.58	–	–	–	–	–	–	–	–	–	–	–	–	15	–	8	–	10	24	7	21	–	10	5	–	–	–	–	
Manufacturing	169	18.54	18.50	17.51 – 20.58	–	–	–	–	–	–	–	–	–	–	–	–	15	–	8	–	10	24	7	21	–	10	5	–	–	–	–	

¹ 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.

² 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, Portland, OR, July 1995

Occupation and level	Number of workers	Hourly pay (in dollars) ¹			Percent of workers receiving straight-time hourly pay (in dollars) of—																						
		Mean	Median	Middle range	4.75 and under 5.00	5.00	5.50	6.00	6.50	7.00	7.50	8.00	8.50	9.00	9.50	10.00	10.50	11.00	12.00	13.00	14.00	15.00	16.00	17.00	18.00	19.00	20.00
						- 5.50	- 6.00	- 6.50	- 7.00	- 7.50	- 8.00	- 8.50	- 9.00	- 9.50	- 10.00	- 10.50	- 11.00	- 12.00	- 13.00	- 14.00	- 15.00	- 16.00	- 17.00	- 18.00	- 19.00	- 20.00	- 21.00
Forklift Operators	355	\$13.85	\$14.67	\$12.43 – \$14.67	–	–	–	–	–	–	1	3	2	3	2	(²)	3	10	2	16	35	4	17	–	–	3	–
Private industry	355	13.85	14.67	12.43 – 14.67	–	–	–	–	–	–	1	3	2	3	2	(²)	3	10	2	16	35	4	17	–	–	3	–
Goods-producing industries	169	12.34	12.11	10.55 – 13.93	–	–	–	–	–	–	1	7	4	7	5	1	6	20	5	32	1	8	–	–	–	5	–
Manufacturing	169	12.34	12.11	10.55 – 13.93	–	–	–	–	–	–	1	7	4	7	5	1	6	20	5	32	1	8	–	–	–	5	–
Guards																											
Level I	1,257	6.83	6.25	5.55 – 7.25	2	12	19	20	12	11	7	2	4	2	2	(²)	1	2	1	1	2	–	–	–	–	–	–
Private industry	1,190	6.49	6.25	5.50 – 7.00	3	12	21	21	13	12	8	2	4	1	2	1	(²)	1	(²)	(²)	–	–	–	–	–	–	–
Goods-producing industries	70	9.08	–	–	–	–	–	–	–	9	11	9	27	11	14	4	4	7	3	–	–	–	–	–	–	–	–
Manufacturing	70	9.08	–	–	–	–	–	–	–	9	11	9	27	11	14	4	4	7	3	–	–	–	–	–	–	–	–
Service-producing industries	1,120	6.33	6.00	5.50 – 7.00	3	13	22	23	14	12	7	2	2	1	1	(²)	(²)	(²)	–	(²)	–	–	–	–	–	–	–
State and local government	67	12.92	13.12	11.65 – 14.70	–	–	–	–	–	–	–	–	1	3	1	–	6	18	13	21	36	–	–	–	–	–	–
Level II	159	11.36	11.79	9.78 – 12.31	–	–	–	–	–	–	–	–	8	16	3	7	9	15	23	9	10	–	–	–	–	–	–
Private industry	129	11.43	12.31	9.00 – 12.87	–	–	–	–	–	–	–	–	9	19	4	4	3	9	28	12	12	–	–	–	–	–	–
Service-producing industries	129	11.43	12.31	9.00 – 12.87	–	–	–	–	–	–	–	–	9	19	4	4	3	9	28	12	12	–	–	–	–	–	–
Janitors	4,189	8.14	7.51	6.00 – 9.84	–	4	12	17	7	5	10	6	5	7	4	8	3	4	6	3	(²)	(²)	–	(²)	–	–	–
Private industry	3,473	7.54	7.00	6.00 – 8.80	–	5	15	21	8	6	11	6	4	4	4	9	4	2	–	1	(²)	(²)	–	(²)	–	–	–
Goods-producing industries	371	8.95	8.31	7.61 – 9.67	–	–	–	5	6	8	12	23	9	8	10	5	3	1	–	5	(²)	3	–	1	–	–	–
Manufacturing	371	8.95	8.31	7.61 – 9.67	–	–	–	5	6	8	12	23	9	8	10	5	3	1	–	5	(²)	3	–	1	–	–	–
Service-producing industries	3,102	7.37	6.81	6.00 – 8.58	–	5	17	23	8	6	11	4	4	4	4	10	4	2	–	–	–	–	–	–	–	–	–
State and local government	716	11.04	11.79	9.03 – 12.30	–	–	–	–	1	2	2	3	6	18	1	3	2	16	32	12	–	(²)	–	–	–	–	–
Material Handling Laborers	268	7.03	6.80	5.60 – 7.99	–	18	9	10	17	10	11	5	7	5	3	1	3	–	–	–	–	–	–	–	–	–	–
Private industry	268	7.03	6.80	5.60 – 7.99	–	18	9	10	17	10	11	5	7	5	3	1	3	–	–	–	–	–	–	–	–	–	–
Goods-producing industries	99	7.60	7.50	7.00 – 8.00	–	–	–	3	21	23	26	9	11	2	–	4	–	–	–	–	–	–	–	–	–	–	–
Manufacturing	95	7.56	7.50	6.96 – 7.95	–	–	–	3	22	24	27	9	7	2	–	4	–	–	–	–	–	–	–	–	–	–	–
Order Fillers	350	12.37	14.39	9.50 – 14.39	–	–	–	–	9	–	6	8	–	–	5	5	1	–	4	–	63	–	–	–	–	–	–
Private industry	350	12.37	14.39	9.50 – 14.39	–	–	–	–	9	–	6	8	–	–	5	5	1	–	4	–	63	–	–	–	–	–	–
Goods-producing industries	180	11.36	12.20	7.95 – 14.84	–	–	–	–	17	–	11	16	–	–	–	–	2	–	8	–	47	–	–	–	–	–	–
Manufacturing	180	11.36	12.20	7.95 – 14.84	–	–	–	–	17	–	11	16	–	–	–	–	2	–	8	–	47	–	–	–	–	–	–
Shipping/Receiving Clerks	389	10.71	9.87	8.95 – 13.43	–	–	–	1	7	(²)	3	7	11	15	9	3	4	9	7	11	9	1	4	–	–	–	–
Private industry	388	10.70	9.87	8.95 – 13.35	–	–	–	1	7	(²)	3	7	11	15	9	3	4	9	7	11	9	1	4	–	–	–	–
Goods-producing industries	338	10.56	9.60	8.95 – 13.09	–	–	–	1	8	–	3	7	11	17	10	1	2	9	5	11	10	1	2	–	–	–	–
Manufacturing	338	10.56	9.60	8.95 – 13.09	–	–	–	1	8	–	3	7	11	17	10	1	2	9	5	11	10	1	2	–	–	–	–
Service-producing industries	50	11.63	–	–	–	–	–	–	2	2	2	6	6	–	6	14	14	6	16	8	–	–	18	–	–	–	–
Truckdrivers																											
Light Truck	123	9.88	9.26	8.00 – 12.19	–	–	–	–	13	–	–	16	14	15	–	1	2	7	26	2	4	–	–	–	–	–	–
Private industry	112	9.65	9.26	8.00 – 12.19	–	–	–	–	14	–	–	18	15	16	–	1	3	5	23	–	4	–	–	–	–	–	–
Goods-producing industries	72	8.80	–	–	–	–	–	–	22	–	–	15	21	25	–	1	–	6	10	–	–	–	–	–	–	–	–
Manufacturing	70	8.81	–	–	–	–	–	–	23	–	–	13	21	26	–	1	–	6	10	–	–	–	–	–	–	–	–
State and local government	11	12.22	–	–	–	–	–	–	–	–	–	–	–	9	–	–	–	18	55	18	–	–	–	–	–	–	–
Medium Truck	1,631	15.45	15.21	12.59 – 19.42	–	–	–	–	–	–	–	2	–	2	1	5	4	4	10	11	5	19	–	1	–	38	–
Private industry	1,619	15.46	15.21	12.59 – 19.42	–	–	–	–	–	–	–	2	–	2	1	5	4	5	10	11	4	19	–	1	–	38	–
Goods-producing industries	184	10.04	10.00	9.50 – 10.50	–	–	–	–	–	–	–	14	–	9	9	41	17	–	5	–	1	3	–	–	–	–	–
Manufacturing	143	10.07	10.25	9.50 – 10.50	–	–	–	–	–	–	–	18	–	–	11	41	22	–	2	–	1	4	–	–	–	–	–

See footnotes at end of table.

Table A-5. All establishments: Hourly pay of material movement and custodial occupations, Portland, OR, July 1995 — Continued

Occupation and level	Number of workers	Hourly pay (in dollars) ¹			Percent of workers receiving straight-time hourly pay (in dollars) of—																						
		Mean	Median	Middle range	4.75 and under 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 - 9.50	9.50 - 10.00	10.00 - 10.50	10.50 - 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
Heavy Truck	738	\$13.67	\$14.36	\$13.50 - \$14.75	-	-	-	-	-	2	-	-	-	6	4	2	1	1	2	16	65	-	-	-	-	-	2
Private industry	738	13.67	14.36	13.50 - 14.75	-	-	-	-	-	2	-	-	-	6	4	2	1	1	2	16	65	-	-	-	-	-	2
Goods-producing industries	248	12.01	13.50	9.33 - 13.50	-	-	-	-	-	7	-	-	-	18	10	2	2	2	6	48	-	-	-	-	-	-	5
Manufacturing	200	11.22	11.60	9.15 - 13.50	-	-	-	-	-	9	-	-	-	22	13	2	2	2	8	41	-	-	-	-	-	-	-
Tractor Trailer	1,648	15.60	14.90	14.36 - 16.40	-	-	-	-	-	-	-	-	-	-	(²)	(²)	2	1	9	3	36	20	6	3	1	19	-
Private industry	1,642	15.60	14.90	14.36 - 16.40	-	-	-	-	-	-	-	-	-	-	(²)	(²)	2	1	9	3	36	20	6	3	1	19	-
Goods-producing industries	273	13.97	13.11	12.75 - 15.65	-	-	-	-	-	-	-	-	-	-	-	-	11	-	35	9	2	36	1	1	5	-	-
Manufacturing	213	14.32	15.65	12.67 - 15.65	-	-	-	-	-	-	-	-	-	-	-	-	14	-	17	11	2	46	1	2	6	-	-
Service-producing industries	1,369	15.92	14.90	14.36 - 17.86	-	-	-	-	-	-	-	-	-	-	1	(²)	(²)	2	4	2	43	16	7	3	-	23	-
Transportation and utilities	717	16.96	15.62	14.90 - 19.90	-	-	-	-	-	-	-	-	-	-	1	(²)	(²)	3	8	2	20	16	1	5	-	44	-
Warehouse Specialists	4,734	12.88	14.79	10.00 - 15.09	-	-	-	-	(²)	6	2	2	2	6	3	4	2	4	8	1	11	46	(²)	(²)	(²)	-	-
Private industry	4,667	12.87	14.79	10.00 - 15.09	-	-	-	-	(²)	6	2	2	2	7	3	4	2	3	8	1	11	47	(²)	(²)	(²)	-	-
Goods-producing industries	1,375	10.41	10.00	8.00 - 12.20	-	-	-	-	(²)	14	7	8	6	6	6	10	3	9	16	2	1	12	-	(²)	(²)	-	-
Manufacturing	1,367	10.38	10.00	8.00 - 12.20	-	-	-	-	(²)	15	7	8	6	6	6	10	3	9	16	2	1	12	-	(²)	(²)	-	-
Service-producing industries	3,292	13.90	15.09	14.24 - 15.09	-	-	-	-	(²)	3	(²)	(²)	1	7	3	2	2	1	4	(²)	16	61	(²)	-	-	-	-
State and local government	67	13.37	12.60	11.91 - 15.58	-	-	-	-	-	-	-	-	-	-	1	1	10	12	31	-	9	34	-	-	-	-	-

¹ 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.

² 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. Health services: Weekly hours and pay of professional, administrative, technical, protective service, and clerical occupations, Portland, OR, July 1995

Occupation and level	Number of workers	Average weekly hours ¹ (standard)	Weekly pay (in dollars) ²				Percent of workers receiving straight-time weekly pay (in dollars) of—																					
			Mean	Median	Middle range		225 and under 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	1100 - 1150	
PROFESSIONAL OCCUPATIONS																												
Accountants																												
Level II	22	40.0	\$569	\$558	\$520	—	\$616	—	—	—	—	—	—	9	36	23	27	—	—	5	—	—	—	—	—	—	—	—
Private industry	12	40.0	579	—	—	—	—	—	—	—	—	—	—	8	42	8	33	—	—	8	—	—	—	—	—	—	—	—
Hospitals	16	40.0	579	574	514	—	616	—	—	—	—	—	—	13	19	31	31	—	—	6	—	—	—	—	—	—	—	—
Private industry	6	40.0	614	—	—	—	—	—	—	—	—	—	—	17	—	17	50	—	—	17	—	—	—	—	—	—	—	—
Level III	34	40.0	714	688	673	—	796	—	—	—	—	—	—	3	18	3	47	—	6	9	3	9	—	—	—	3	—	
Private industry	20	40.0	778	727	692	—	876	—	—	—	—	—	—	—	—	—	50	—	10	15	5	15	—	—	—	5	—	
Hospitals	18	40.0	686	688	559	—	688	—	—	—	—	—	—	6	33	6	33	—	6	—	—	11	—	—	—	6	—	
Registered Nurses																												
Level I	74	38.5	557	518	468	—	636	—	—	—	—	—	12	24	19	11	12	7	15	—	—	—	—	—	—	—	—	—
Private industry	74	38.5	557	518	468	—	636	—	—	—	—	—	12	24	19	11	12	7	15	—	—	—	—	—	—	—	—	—
Level II	2,730	39.3	751	762	694	—	826	—	—	—	—	—	1	3	7	8	8	15	16	28	12	3	(³)	—	—	—	—	
Private industry	2,582	39.2	749	758	688	—	831	—	—	—	—	—	1	3	8	8	8	15	15	27	12	3	(³)	—	—	—	—	
Hospitals	2,127	39.2	786	808	736	—	840	—	—	—	—	—	—	(³)	5	7	17	19	33	15	4	(³)	—	—	—	—	—	
Private industry	1,979	39.1	787	808	736	—	840	—	—	—	—	—	—	—	(³)	5	7	17	19	33	16	4	(³)	—	—	—	—	
Level III	81	40.0	1,017	1,019	973	—	1,078	—	—	—	—	—	—	—	—	—	—	—	2	1	17	23	11	20	25	—	—	
Private industry	75	40.0	1,019	1,025	960	—	1,100	—	—	—	—	—	—	—	—	—	—	—	3	1	19	20	9	21	27	—	—	
Hospitals	39	40.0	978	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3	28	41	21	8	—	—	—	
Private industry	33	40.0	976	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3	33	36	18	9	—	—	—	
ADMINISTRATIVE OCCUPATIONS																												
Buyers/Contracting Specialists																												
Level II	11	40.0	669	—	—	—	—	—	—	—	—	—	—	27	9	—	9	18	18	18	—	—	—	—	—	—	—	—
Private industry	10	40.0	670	—	—	—	—	—	—	—	—	—	—	30	10	—	—	20	20	20	—	—	—	—	—	—	—	—
Computer Systems Analysts																												
Level II: Hospitals	19	40.0	786	757	757	—	875	—	—	—	—	—	—	—	—	11	5	5	37	16	11	5	11	—	—	—	—	
Personnel Specialists																												
Level III	17	40.0	756	769	720	—	801	—	—	—	—	—	—	—	—	—	24	24	24	24	6	—	—	—	—	—	—	
Private industry	17	40.0	756	769	720	—	801	—	—	—	—	—	—	—	—	—	24	24	24	24	6	—	—	—	—	—	—	
TECHNICAL OCCUPATIONS																												
Computer Operators																												
Level II	17	40.0	452	495	399	—	495	—	—	—	—	29	18	41	12	—	—	—	—	—	—	—	—	—	—	—	—	
Hospitals	16	40.0	447	468	388	—	495	—	—	—	—	31	19	44	6	—	—	—	—	—	—	—	—	—	—	—	—	
Licensed Practical Nurses																												
Level II	328	39.8	528	540	475	—	560	—	—	—	—	6	27	31	27	9	—	—	—	—	—	—	—	—	—	—	—	
Private industry	313	39.8	530	543	474	—	562	—	—	—	—	5	25	32	28	10	—	—	—	—	—	—	—	—	—	—	—	
Hospitals	81	40.0	514	520	495	—	544	—	—	—	—	7	31	46	16	—	—	—	—	—	—	—	—	—	—	—	—	
Private industry	66	40.0	520	538	496	—	544	—	—	—	—	6	20	55	20	—	—	—	—	—	—	—	—	—	—	—	—	

See footnotes at end of table.

Table A-6. Health services: Weekly hours and pay of professional, administrative, technical, protective service, and clerical occupations, Portland, OR, July 1995 — Continued

Occupation and level	Number of workers	Average weekly hours ¹ (standard)	Weekly pay (in dollars) ²					Percent of workers receiving straight-time weekly pay (in dollars) of—																			
			Mean	Median	Middle range		225 and under 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	1100 - 1150

¹ 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.

² 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.

³ 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. Health services: Hourly pay of maintenance, toolroom, material movement, and custodial occupations, Portland, OR, July 1995

Occupation and level	Number of workers	Hourly pay (in dollars) ¹				Percent of workers receiving straight-time hourly pay (in dollars) of—																							
		Mean	Median	Middle range		5.25 and under 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 - 9.50	9.50 - 10.00	10.00 - 10.50	10.50 - 11.00	11.00 - 11.50	11.50 - 12.00	12.00 - 12.50	12.50 - 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	
MAINTENANCE AND TOOLROOM OCCUPATIONS																													
General Maintenance Workers	51	\$8.29	\$8.02	\$6.02	—	\$10.06	20	—	10	—	—	10	14	2	2	18	4	18	2	—	2	—	—	—	—	—	—	—	—
Private industry	35	7.31	7.83	5.35	—	8.84	29	—	14	—	—	14	17	3	—	23	—	—	—	—	—	—	—	—	—	—	—	—	
Maintenance Electricians	7	16.23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	71	—	14	14	—
Hospitals	7	16.23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	71	—	14	14	—
Maintenance Electronics Technicians																													
Level II	12	16.89	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	17	—	8	—	25	—	25	25	25
Private industry	12	16.89	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	17	—	8	—	25	—	25	25	25
Hospitals	7	18.61	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	14	—	43	43	43
Private industry	7	18.61	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	14	—	43	43	43
MATERIAL MOVEMENT AND CUSTODIAL OCCUPATIONS																													
Guards																													
Level II	114	12.20	12.31	11.19	—	13.11	—	—	—	—	—	—	—	1	4	10	5	7	14	28	4	13	14	—	—	—	—	—	—
Private industry	93	12.44	12.31	11.68	—	13.54	—	—	—	—	—	—	—	1	5	5	4	9	3	34	4	16	17	—	—	—	—	—	—
Hospitals	109	12.20	12.31	11.18	—	13.17	—	—	—	—	—	—	—	1	5	10	6	7	15	25	4	14	15	—	—	—	—	—	—
Private industry	88	12.44	12.31	11.35	—	13.65	—	—	—	—	—	—	—	1	6	6	5	9	3	31	5	17	18	—	—	—	—	—	—
Janitors	848	8.65	9.02	7.12	—	10.13	2	2	13	5	8	4	5	5	13	11	27	3	2	—	—	—	—	—	—	—	—	—	—
Private industry	734	8.69	9.45	7.00	—	10.13	2	3	15	5	7	3	4	5	6	13	31	4	2	—	—	—	—	—	—	—	—	—	—
Hospitals	590	9.43	9.73	8.98	—	10.17	—	—	(²)	2	7	4	6	7	18	15	35	4	3	—	—	—	—	—	—	—	—	—	—
Private industry	476	9.67	10.09	9.22	—	10.29	—	—	(²)	(²)	5	3	4	8	9	18	43	5	3	—	—	—	—	—	—	—	—	—	—
Warehouse Specialists	10	10.45	—	—	—	—	—	—	—	—	—	—	20	—	—	20	—	30	10	—	—	20	—	—	—	—	—	—	—

¹ 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.

² 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.

Appendix A.

Scope and Method of Survey

Scope

This survey of the Portland, OR 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 service industries, including health services); and State and local governments.¹ 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 Portland, OR Primary Metropolitan Statistical Area (July 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 Portland, OR Primary Metropolitan Statistical Area. Collection for the survey was from May 1995 through September 1995 and reflects an average payroll reference month of July 1995. Data obtained for a payroll period prior to the end of July 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 10.4 percent of the sample establishments (representing 46,389 employees covered by the survey). An additional 5.6 percent of the sample establishments (representing 12,853 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 salary estimates for the survey as a result of these missing data. The proportion of employees for whom salary data were not available was less than 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 pay 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 pay 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	4.3
1 and under 3 percent	64.5
3 and under 5 percent	22.7
5 percent and over	8.5

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 8 percent of the 288 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 and Benefits, Portland, OR*, BLS Bulletin 3070-40.

¹ 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, Portland, OR¹, July 1995

Industry division ²	Number of establishments		Workers in establishments		
	Within scope of survey ³	Studied	Within scope of survey ⁴		Studied
			Number	Percent	
All divisions	1,593	290	416,528	100	168,059
Private industry	1,500	261	351,781	84	128,283
Goods producing	478	87	118,321	28	48,548
Manufacturing	384	73	104,343	25	45,879
Construction ⁵	89	12	13,698	3	2,554
Service producing	1,022	174	233,460	56	79,735
Transportation, communication, electric, gas, and sanitary services ⁶	94	27	27,371	7	13,042
Wholesale trade ⁷	145	8	17,903	4	3,058
Retail trade ⁷	249	14	58,868	14	8,157
Finance, insurance, and real estate ⁷	116	22	30,538	7	11,731
Services ⁷	418	103	98,780	24	43,747
State and local government	93	29	64,747	16	39,776
Health services ⁸	75	29	34,226	8	27,507
Private industry	73	27	29,885	7	23,166
Hospitals	18	14	22,617	5	21,027
Private industry	17	13	18,341	4	16,751

¹ The Portland, OR Metropolitan Statistical Area, as defined by the Office of Management and Budget through October 1984, consists of Clackamas, Multnomah, Washington, and Yamhill Counties. 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.

² The *Standard Industrial Classification Manual* was used in classifying establishments by industry.

³ 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.

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

⁵ 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.

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

⁷ 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.

⁸ Health services includes establishments primarily engaged in furnishing medical, surgical, and other health services to persons.

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