

Occupational Compensation Survey: Pay Only

Pittsburgh, Pennsylvania,
Metropolitan Area,
May 1996



U.S. Department of Labor
Bureau of Labor Statistics

Bulletin 3085-26

Preface

This bulletin provides results of a May 1996 survey of occupational pay in the Pittsburgh, PA 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 Philadelphia, under the direction of John W. Filemyr, Assistant Regional Commissioner for Operations. Data were collected by Robert Bobin, Chris Fahey, Brian McNamara, Tara Price, Mike Radella, and Mary Reichley. Regional review was conducted by Chuck Parys under the supervision of Dennis Polini, Team Leader. Statistical support was provided by Elizabeth Hundley. Christi Harpenau of the Statistical Methods Group was responsible for the statistical procedures. Amy Gallamore of the Division of Compensation and Data Estimation reviewed the aggregate data and Paulette J. Brown prepared this bulletin.

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 Philadelphia Regional Office at (215) 596-1154. You may also write to the Bureau of Labor Statistics at: Office of Compensation Levels and Trends, 2 Massachusetts Avenue, NE, Room 4175, 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

Pittsburgh, Pennsylvania, Metropolitan Area, May 1996



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

Bureau of Labor Statistics
Katharine G. Abraham,
Commissioner

October 1996

Bulletin 3085-26

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Introduction

This survey of occupational pay in the Pittsburgh, PA Metropolitan Statistical Area (Allegheny, Fayette, Washington, and Westmoreland Counties) 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, Pittsburgh, PA, May 1996

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	300 and under 350	350 - 400	400 - 450	450 - 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 and over			
PROFESSIONAL OCCUPATIONS																													
Accountants																													
Level I	121	38.4	\$469	\$471	\$388 - \$510	-	26	10	26	26	7	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Private industry	117	38.4	468	469	388 - 510	-	27	10	26	26	8	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Service-producing industries	100	38.1	455	454	388 - 500	-	32	9	30	23	4	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Level II	520	39.4	594	607	500 - 668	-	-	7	17	17	7	38	13	(³)	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
Private industry	501	39.5	595	610	513 - 669	-	-	7	15	18	7	39	13	(³)	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
Goods-producing industries	167	39.9	608	629	513 - 676	-	-	16	9	13	5	37	17	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
Service-producing industries	334	39.3	589	598	516 - 654	-	-	3	18	20	8	39	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Level III	623	39.6	790	808	700 - 888	-	-	(³)	1	(³)	8	15	26	33	14	3	1	(³)	-	-	-	-	-	-	-	-	-	-	
Private industry	596	39.6	793	808	702 - 889	-	-	(³)	1	(³)	8	12	27	33	14	3	1	(³)	-	-	-	-	-	-	-	-	-	-	-
Goods-producing industries	300	39.9	854	860	784 - 900	-	-	-	-	-	3	26	46	18	5	2	(³)	-	-	-	-	-	-	-	-	-	-	-	-
Manufacturing	284	39.9	855	860	785 - 896	-	-	-	-	-	3	24	48	17	6	2	(³)	-	-	-	-	-	-	-	-	-	-	-	-
Service-producing industries	296	39.3	731	721	652 - 829	-	-	1	1	1	16	22	28	20	10	(³)	(³)	-	-	-	-	-	-	-	-	-	-	-	-
State and local government	27	39.1	726	666	666 - 837	-	-	-	-	-	-	67	4	26	4	-	-	-	-	-	-	-	-	-	-	-	-	-	
Level IV	283	39.7	1,088	1,092	952 - 1,209	-	-	-	-	-	1	6	10	12	25	18	19	4	6	(³)	-	-	-	-	-	-	-	-	
Private industry	269	39.7	1,099	1,092	1,013 - 1,212	-	-	-	-	-	1	6	5	12	26	19	20	4	6	(³)	-	-	-	-	-	-	-	-	-
Goods-producing industries	145	40.0	1,199	1,209	1,124 - 1,249	-	-	-	-	-	-	-	2	2	16	28	34	7	11	1	-	-	-	-	-	-	-	-	-
Manufacturing	145	40.0	1,199	1,209	1,124 - 1,249	-	-	-	-	-	-	-	2	2	16	28	34	7	11	1	-	-	-	-	-	-	-	-	-
Service-producing industries	124	39.4	983	1,013	904 - 1,086	-	-	-	-	-	2	13	9	24	38	10	5	-	-	-	-	-	-	-	-	-	-	-	-
Attorneys																													
Level II:																													
State and local government	23	38.4	738	788	639 - 831	-	-	-	-	-	17	26	22	30	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Level III	107	38.7	1,194	1,197	1,030 - 1,365	-	-	-	-	-	-	-	1	10	13	3	25	18	13	13	2	1	1	-	-	-	-	-	-
Private industry	74	39.1	1,284	-	-	-	-	-	-	-	-	1	1	3	3	30	19	19	19	3	1	1	-	-	-	-	-	-	-
Level IV	117	39.2	1,644	1,656	1,519 - 1,809	-	-	-	-	-	-	-	-	2	-	4	3	4	10	17	24	9	6	15	5	-	-	-	-
Private industry	110	39.3	1,667	1,667	1,519 - 1,875	-	-	-	-	-	-	-	-	2	-	3	2	2	11	18	25	10	6	15	5	-	-	-	-
Level V	77	38.3	2,106	-	-	-	-	-	-	-	-	-	-	-	-	4	1	4	5	1	6	3	5	70	-	-	-	-	-
Private industry	77	38.3	2,106	-	-	-	-	-	-	-	-	-	-	-	-	4	1	4	5	1	6	3	5	70	-	-	-	-	-
Engineers																													
Level I	135	39.9	640	654	577 - 681	-	-	-	-	22	11	44	19	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Private industry	132	40.0	642	654	577 - 691	-	-	-	-	21	11	45	19	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Goods-producing industries	67	40.0	657	-	-	-	-	-	-	-	19	61	15	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manufacturing	61	40.0	658	-	-	-	-	-	-	-	21	57	16	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Service-producing industries	65	40.0	626	-	-	-	-	-	43	2	29	23	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Level II	422	39.6	730	729	641 - 812	-	-	-	-	8	4	30	30	22	6	-	(³)	-	-	-	-	-	-	-	-	-	-	-	-
Private industry	344	40.0	736	743	641 - 814	-	-	-	-	10	5	23	31	24	7	-	(³)	-	-	-	-	-	-	-	-	-	-	-	-
Service-producing industries	159	40.0	730	729	628 - 816	-	-	-	-	5	10	31	25	15	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table A-1. All establishments: Weekly hours and pay of professional and administrative occupations, Pittsburgh, PA, May 1996 — 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	300 and under 350	350 - 400	400 - 450	450 - 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 and over			
Level III	911	39.8	\$909	\$898	\$820 - \$969	-	-	-	-	-	-	2	16	32	32	11	4	3	(³)	-	-	-	-	-	-	-	-	-	
Private industry	785	40.0	915	901	835 - 979	-	-	-	-	-	-	2	13	34	31	11	4	4	(³)	-	-	-	-	-	-	-	-	-	
Goods-producing industries	411	40.0	915	902	851 - 955	-	-	-	-	-	-	1	8	38	40	6	4	2	1	-	-	-	-	-	-	-	-	-	
Manufacturing	411	40.0	915	902	851 - 955	-	-	-	-	-	-	1	8	38	40	6	4	2	1	-	-	-	-	-	-	-	-	-	
Service-producing industries	374	40.0	916	897	808 - 1,004	-	-	-	-	-	-	3	20	30	21	18	3	5	-	-	-	-	-	-	-	-	-	-	
State and local government	126	38.4	868	831	778 - 951	-	-	-	-	-	-	2	34	20	38	6	1	-	-	-	-	-	-	-	-	-	-	-	
Level IV	1,202	39.9	1,070	1,055	975 - 1,146	-	-	-	-	-	-	-	1	9	20	35	17	9	7	1	(³)	-	-	-	-	-	-	-	
Private industry	1,162	40.0	1,071	1,055	978 - 1,150	-	-	-	-	-	-	-	1	10	20	35	17	9	7	1	(³)	-	-	-	-	-	-	-	
Goods-producing industries	542	40.0	1,111	1,069	1,018 - 1,222	-	-	-	-	-	-	-	(³)	1	18	41	13	12	12	2	(³)	-	-	-	-	-	-	-	
Manufacturing	475	40.0	1,100	1,060	1,013 - 1,178	-	-	-	-	-	-	-	(³)	1	19	43	14	8	11	2	(³)	-	-	-	-	-	-	-	
Service-producing industries	620	40.0	1,035	1,036	923 - 1,130	-	-	-	-	-	-	-	1	17	21	30	20	7	2	1	(³)	-	-	-	-	-	-	-	
State and local government	40	38.0	1,050	1,047	968 - 1,106	-	-	-	-	-	-	-	-	-	42	17	25	15	-	-	-	-	-	-	-	-	-	-	
ADMINISTRATIVE OCCUPATIONS																													
Budget Analysts																													
Level II	62	38.6	627	-	- - -	-	-	-	6	2	37	34	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Private industry	50	39.4	632	-	- - -	-	-	-	-	2	44	32	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Service-producing industries	50	39.4	632	-	- - -	-	-	-	-	2	44	32	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
State and local government	12	35.6	607	-	- - -	-	-	-	33	-	8	42	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Level III:																													
State and local government	8	35.9	809	-	- - -	-	-	-	-	-	-	50	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Buyers/Contracting Specialists																													
Level I	57	40.1	536	-	- - -	-	-	18	25	7	26	18	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Private industry	53	40.6	541	-	- - -	-	-	13	26	8	28	17	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Level II	198	39.7	650	623	582 - 714	-	-	1	5	16	10	38	24	5	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Private industry	187	39.8	655	630	587 - 724	-	-	1	5	14	8	40	25	5	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Goods-producing industries	110	40.0	664	658	599 - 711	-	-	-	4	20	2	40	24	5	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-
Manufacturing	109	40.0	664	661	599 - 711	-	-	-	4	20	2	39	24	6	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-
Service-producing industries	77	39.6	642	-	- - -	-	-	1	6	5	17	40	26	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
State and local government	11	37.1	565	-	- - -	-	-	-	-	55	36	-	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Level III	170	39.6	789	750	701 - 897	-	-	1	2	1	1	17	39	15	19	5	1	-	-	-	-	-	-	-	-	-	-	-	
Private industry	170	39.6	789	750	701 - 897	-	-	1	2	1	1	17	39	15	19	5	1	-	-	-	-	-	-	-	-	-	-	-	-
Goods-producing industries	131	39.8	790	750	704 - 884	-	-	-	-	-	-	18	47	12	18	4	1	-	-	-	-	-	-	-	-	-	-	-	-
Manufacturing	131	39.8	790	750	704 - 884	-	-	-	-	-	-	18	47	12	18	4	1	-	-	-	-	-	-	-	-	-	-	-	-
Level IV	66	39.7	1,060	-	- - -	-	-	-	-	-	-	-	-	-	11	23	32	9	3	-	-	-	-	-	-	-	-	-	
Private industry	66	39.7	1,060	-	- - -	-	-	-	-	-	-	-	-	-	11	23	32	9	3	-	-	-	-	-	-	-	-	-	

See footnotes at end of table.

Table A-1. All establishments: Weekly hours and pay of professional and administrative occupations, Pittsburgh, PA, May 1996 — 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	300 and under 350	350 - 400	400 - 450	450 - 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 and over			
Computer Programmers																													
Level I	85	39.3	\$499	\$477	\$442 - \$524	4	5	20	22	29	6	11	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Private industry	67	39.6	517	-	- - -	-	4	24	9	37	7	13	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Service-producing industries	55	39.6	485	-	- - -	-	5	29	11	45	4	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
State and local government	18	38.1	432	462	426 - 462	17	6	6	72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Level II	425	38.7	597	606	544 - 646	1	2	7	5	12	18	41	13	1	(³)	(³)	-	-	-	-	-	-	-	-	-	-	-	-	
Private industry	412	38.8	602	611	552 - 652	1	1	6	5	11	19	42	13	1	(³)	(³)	-	-	-	-	-	-	-	-	-	-	-	-	
Goods-producing industries	80	40.0	610	646	442 - 699	-	-	32	-	-	11	38	13	4	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
Manufacturing	80	40.0	610	646	442 - 699	-	-	32	-	-	11	38	13	4	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
Service-producing industries	332	38.6	600	605	558 - 635	1	1	-	7	14	20	43	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Level III	532	38.4	725	719	663 - 788	-	(³)	1	1	2	2	36	36	17	5	-	-	-	-	-	-	-	-	-	-	-	-	-	
Private industry	513	38.4	725	718	660 - 788	-	(³)	1	1	2	2	36	36	17	5	-	-	-	-	-	-	-	-	-	-	-	-	-	
Goods-producing industries	65	39.6	746	-	- - -	-	-	-	-	-	5	48	11	28	9	-	-	-	-	-	-	-	-	-	-	-	-	-	
Manufacturing	65	39.6	746	-	- - -	-	-	-	-	-	5	48	11	28	9	-	-	-	-	-	-	-	-	-	-	-	-	-	
Service-producing industries	448	38.3	722	721	662 - 784	-	(³)	1	2	2	2	34	39	15	5	-	-	-	-	-	-	-	-	-	-	-	-	-	
Level IV	271	37.2	877	890	829 - 946	-	-	-	(³)	1	2	3	13	35	35	10	(³)	-	-	-	-	-	-	-	-	-	-	-	
Private industry	271	37.2	877	890	829 - 946	-	-	-	(³)	1	2	3	13	35	35	10	(³)	-	-	-	-	-	-	-	-	-	-	-	
Service-producing industries	259	37.2	872	890	819 - 942	-	-	-	(³)	1	2	3	13	37	34	9	-	-	-	-	-	-	-	-	-	-	-	-	
Computer Systems Analysts																													
Level I	270	39.5	740	712	659 - 810	-	-	(³)	2	(³)	10	27	34	13	9	4	(³)	(³)	-	-	-	-	-	-	-	-	-	-	-
Private industry	265	39.6	741	712	659 - 815	-	-	(³)	2	(³)	10	26	34	13	9	4	(³)	(³)	-	-	-	-	-	-	-	-	-	-	-
Goods-producing industries	60	40.0	808	-	- - -	-	-	-	-	-	10	13	33	17	10	13	2	2	-	-	-	-	-	-	-	-	-	-	
Manufacturing	60	40.0	808	-	- - -	-	-	-	-	-	10	13	33	17	10	13	2	2	-	-	-	-	-	-	-	-	-	-	
Service-producing industries	205	39.5	721	712	654 - 789	-	-	(³)	2	(³)	10	30	34	12	9	1	-	-	-	-	-	-	-	-	-	-	-	-	
Level II	1,179	38.7	894	892	808 - 985	-	-	-	(³)	(³)	(³)	5	18	28	28	14	5	1	-	-	-	-	-	-	-	-	-	-	
Private industry	1,168	38.7	895	892	808 - 985	-	-	-	(³)	(³)	(³)	5	18	29	28	14	5	1	-	-	-	-	-	-	-	-	-	-	
Goods-producing industries	145	39.8	1,019	1,021	905 - 1,117	-	-	-	-	-	-	1	2	21	19	21	28	8	-	-	-	-	-	-	-	-	-	-	
Manufacturing	145	39.8	1,019	1,021	905 - 1,117	-	-	-	-	-	-	1	2	21	19	21	28	8	-	-	-	-	-	-	-	-	-	-	
Service-producing industries	1,023	38.5	877	880	789 - 962	-	-	-	(³)	(³)	(³)	5	20	30	29	13	2	-	-	-	-	-	-	-	-	-	-	-	
State and local government	11	37.7	871	-	- - -	-	-	-	-	-	-	9	18	9	64	-	-	-	-	-	-	-	-	-	-	-	-	-	
Level III	805	39.1	1,060	1,063	983 - 1,119	-	-	-	-	-	(³)	2	8	19	41	15	10	2	1	(³)	(³)	-	-	-	-	-	-	-	
Private industry	793	39.1	1,062	1,063	986 - 1,119	-	-	-	-	-	(³)	2	7	19	42	15	10	3	1	(³)	(³)	-	-	-	-	-	-	-	
Goods-producing industries	187	39.8	1,144	1,118	1,044 - 1,246	-	-	-	-	-	-	-	3	14	30	19	19	9	4	1	1	-	-	-	-	-	-	-	
Manufacturing	187	39.8	1,144	1,118	1,044 - 1,246	-	-	-	-	-	-	-	3	14	30	19	19	9	4	1	1	-	-	-	-	-	-	-	
Service-producing industries	606	38.9	1,036	1,039	965 - 1,096	-	-	-	-	-	(³)	2	9	21	45	14	8	(³)	(³)	-	-	-	-	-	-	-	-	-	
Transportation and utilities	73	40.0	1,068	1,042	1,035 - 1,096	-	-	-	-	-	-	-	-	-	77	19	4	-	-	-	-	-	-	-	-	-	-	-	
Computer Systems Analyst Supervisors/Managers																													
Level I	345	38.5	1,160	1,169	1,058 - 1,274	-	-	-	-	-	(³)	1	3	12	19	24	22	12	6	-	1	-	-	-	-	-	-	-	
Private industry	345	38.5	1,160	1,169	1,058 - 1,274	-	-	-	-	-	(³)	1	3	12	19	24	22	12	6	-	1	-	-	-	-	-	-	-	
Service-producing industries	240	37.9	1,116	1,112	1,000 - 1,212	-	-	-	-	-	(³)	2	5	17	23	25	14	10	4	-	-	-	-	-	-	-	-	-	
Level II	229	38.6	1,321	1,271	1,212 - 1,446	-	-	-	-	-	-	-	-	4	6	12	36	9	16	11	3	3	(³)	-	-	-	-	-	
Private industry	227	38.6	1,324	1,271	1,212 - 1,450	-	-	-	-	-	-	-	-	3	6	12	36	9	16	11	3	4	(³)	-	-	-	-	-	
Service-producing industries	170	38.2	1,251	1,242	1,193 - 1,289	-	-	-	-	-	-	-	-	4	8	16	48	9	11	4	1	-	-	-	-	-	-	-	

See footnotes at end of table.

Table A-1. All establishments: Weekly hours and pay of professional and administrative occupations, Pittsburgh, PA, May 1996 — 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	300 and under 350	350 - 400	400 - 450	450 - 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 and over		
Personnel Specialists																												
Level II	179	39.2	\$617	\$596	\$545 - \$673	-	-	4	7	16	27	22	17	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Private industry	152	39.5	601	596	534 - 632	-	-	5	8	18	30	21	18	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Service-producing industries	112	39.3	568	559	521 - 600	-	-	6	11	24	33	19	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Level III	230	39.3	756	725	639 - 882	-	-	(³)	4	2	7	26	25	14	14	7	1	-	-	-	-	-	-	-	-	-	-	
Private industry	208	39.4	754	724	635 - 882	-	-	(³)	4	2	7	26	22	15	13	8	1	-	-	-	-	-	-	-	-	-	-	
Service-producing industries	161	39.3	724	692	635 - 824	-	-	1	6	2	9	33	17	14	12	5	-	-	-	-	-	-	-	-	-	-	-	
Level IV	231	39.1	1,016	970	904 - 1,117	-	-	-	-	-	1	2	3	18	29	15	15	10	3	3	-	-	-	-	-	-	-	
Private industry	216	39.2	1,021	972	924 - 1,117	-	-	-	-	-	1	2	3	15	31	16	16	8	3	3	-	-	-	-	-	-	-	
Goods-producing industries	79	39.8	1,119	-	-	-	-	-	-	-	-	-	-	9	24	13	20	22	4	9	-	-	-	-	-	-	-	
Manufacturing	79	39.8	1,119	-	-	-	-	-	-	-	-	-	-	9	24	13	20	22	4	9	-	-	-	-	-	-	-	
Service-producing industries	137	38.9	965	962	885 - 1,038	-	-	-	-	-	2	4	18	36	18	14	1	3	-	-	-	-	-	-	-	-	-	
State and local government	15	37.7	944	855	820 - 1,211	-	-	-	-	-	-	-	7	67	-	-	-	27	-	-	-	-	-	-	-	-	-	
Level V	52	38.5	1,225	-	-	-	-	-	-	-	-	-	-	10	12	13	13	10	15	13	10	4	-	-	-	-	-	
Private industry	52	38.5	1,225	-	-	-	-	-	-	-	-	-	-	10	12	13	13	10	15	13	10	4	-	-	-	-	-	
Tax Collectors																												
Level II	63	36.1	555	432	432 - 712	-	-	51	-	-	6	11	29	3	-	-	-	-	-	-	-	-	-	-	-	-	-	
State and local government	63	36.1	555	432	432 - 712	-	-	51	-	-	6	11	29	3	-	-	-	-	-	-	-	-	-	-	-	-	-	

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.

⁴ Workers were distributed as follows: 12 percent at \$2,000 and under \$2,100; 16 percent at \$2,100 and under \$2,200; 8 percent at \$2,200 and under \$2,300; 8 percent at \$2,300 and under \$2,400; 12 percent at \$2,400 and under \$2,500; 12 percent at \$2,500 and under \$2,600; and 4 percent at \$2,600 and under \$2,700.

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, Pittsburgh, PA, May 1996

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	275 and under 300	300 - 325	325 - 350	350 - 375	375 - 400	400 - 425	425 - 450	450 - 475	475 - 500	500 - 525	525 - 550	550 - 600	600 - 650	650 - 700	700 - 750	750 - 800	800 - 850	850 - 900	900 - 950	950 - 1000	1000 and over			
TECHNICAL OCCUPATIONS																													
Computer Operators																													
Level II	276	38.8	\$403	\$400	\$348 - \$440	8	1	20	10	10	17	12	7	5	1	5	(³)	3	1	-	-	-	-	-	-	-	-	-	-
Private industry	239	39.0	406	402	348 - 440	4	2	23	6	12	19	13	8	5	1	4	(³)	3	-	-	-	-	-	-	-	-	-	-	
Service-producing industries	204	38.9	406	413	348 - 440	5	2	25	4	11	16	16	9	5	1	2	-	4	-	-	-	-	-	-	-	-	-		
State and local government	37	37.6	384	-	- - -	35	-	-	35	-	8	-	-	5	-	11	-	-	5	-	-	-	-	-	-	-	-		
Level III	167	39.4	604	589	537 - 696	-	-	-	-	1	-	3	-	5	13	9	22	13	19	16	-	-	-	-	-	-	-		
Private industry	155	39.5	611	619	546 - 696	-	-	-	-	1	-	1	-	5	10	9	22	14	21	17	-	-	-	-	-	-	-		
Service-producing industries	146	39.5	611	603	546 - 696	-	-	-	-	1	-	1	-	3	11	10	23	14	19	17	-	-	-	-	-	-	-		
State and local government	12	37.3	507	-	- - -	-	-	-	-	-	-	25	-	-	50	8	17	-	-	-	-	-	-	-	-	-	-		
Drafters																													
Level I	120	40.0	450	420	408 - 500	-	-	15	7	-	48	3	1	-	3	2	4	16	-	-	-	-	-	-	-	-	-	-	
Private industry	120	40.0	450	420	408 - 500	-	-	15	7	-	48	3	1	-	3	2	4	16	-	-	-	-	-	-	-	-	-		
Service-producing industries	63	40.0	412	-	- - -	-	-	29	8	-	46	6	2	-	-	-	-	10	-	-	-	-	-	-	-	-	-		
Level II:																													
Private industry:																													
Service-producing industries	115	40.0	566	533	474 - 621	-	-	-	-	-	6	10	11	1	14	15	17	1	2	2	21	-	-	-	-	-	-		
Level III	201	39.9	683	639	590 - 753	-	-	-	-	-	1	-	1	-	3	30	14	12	3	16	5	3	-	10	-	-	-		
Private industry	195	39.9	677	624	590 - 753	-	-	-	-	-	1	-	2	-	3	31	15	12	4	16	6	-	-	10	-	-	-		
Goods-producing industries	129	39.8	657	661	590 - 753	-	-	-	-	-	2	-	2	-	3	33	9	17	2	23	9	-	-	-	-	-	-		
Manufacturing	101	39.7	642	596	590 - 753	-	-	-	-	-	2	-	3	-	4	43	5	11	3	30	-	-	-	-	-	-	-		
Service-producing industries	66	40.0	717	-	- - -	-	-	-	-	-	-	-	-	-	3	27	27	3	6	3	-	-	-	-	30	-	-		
Engineering Technicians																													
Level III	113	40.0	644	685	565 - 715	-	-	-	-	-	-	-	3	3	8	9	10	4	36	24	4	-	-	-	-	-	-		
Private industry	113	40.0	644	685	565 - 715	-	-	-	-	-	-	-	3	3	8	9	10	4	36	24	4	-	-	-	-	-	-		
Goods-producing industries	63	40.0	645	-	- - -	-	-	-	-	-	-	-	-	-	3	14	17	3	49	5	8	-	-	-	-	-	-		
Level IV	349	40.0	766	783	727 - 810	-	-	-	-	-	-	-	-	1	3	2	7	7	9	32	29	4	3	-	3	-	3		
Private industry	349	40.0	766	783	727 - 810	-	-	-	-	-	-	-	-	1	3	2	7	7	9	32	29	4	3	-	3	-	3		
Goods-producing industries	70	40.0	751	-	- - -	-	-	-	-	-	-	-	-	-	4	-	-	10	23	59	3	-	1	-	-	-	-		
Manufacturing	70	40.0	751	-	- - -	-	-	-	-	-	-	-	-	-	4	-	-	10	23	59	3	-	1	-	-	-	-		
Service-producing industries	279	40.0	770	794	731 - 810	-	-	-	-	-	-	-	-	1	3	3	9	6	5	25	36	5	3	-	4	-	4		
Level V	374	40.0	855	842	808 - 905	-	-	-	-	-	-	-	-	-	-	1	3	2	2	4	52	10	11	11	4	-	4		
Private industry	374	40.0	855	842	808 - 905	-	-	-	-	-	-	-	-	-	-	1	3	2	2	4	52	10	11	11	4	-	4		
Service-producing industries	374	40.0	855	842	808 - 905	-	-	-	-	-	-	-	-	-	-	1	3	2	2	4	52	10	11	11	4	-	4		
Engineering Technicians, Civil																													
Level III:																													
State and local government	141	37.7	568	546	471 - 624	-	-	-	-	-	-	-	26	-	18	6	16	13	10	11	-	-	-	-	-	-	-	-	
Level IV	193	39.7	679	680	600 - 725	-	-	-	-	-	-	-	-	-	4	4	4	23	21	24	9	11	-	-	-	-	-		
State and local government	37	38.4	754	725	725 - 788	-	-	-	-	-	-	-	-	-	-	-	-	-	-	62	14	24	-	-	-	-	-		
Level V:																													
State and local government	12	38.1	842	-	- - -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50	-	8	33	8	-	-		

See footnotes at end of table.

Table A-2. All establishments: Weekly hours and pay of technical and protective service occupations, Pittsburgh, PA, May 1996 — 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	275 and under 300	300 - 325	325 - 350	350 - 375	375 - 400	400 - 425	425 - 450	450 - 475	475 - 500	500 - 525	525 - 550	550 - 600	600 - 650	650 - 700	700 - 750	750 - 800	800 - 850	850 - 900	900 - 950	950 - 1000	1000 and over		
PROTECTIVE SERVICE OCCUPATIONS																												
Corrections Officers	701	40.0	\$581	\$606	\$438 - \$682	-	-	(³)	-	5	13	8	(³)	6	1	4	4	21	22	9	5	1	-	-	-	-	-	-
State and local government	701	40.0	581	606	438 - 682	-	-	(³)	-	5	13	8	(³)	6	1	4	4	21	22	9	5	1	-	-	-	-	-	
Firefighters	1,222	42.0	741	768	768 - 768	-	-	-	-	-	-	3	-	-	-	3	-	9	-	84	-	-	-	-	-	-	-	
State and local government	1,222	42.0	741	768	768 - 768	-	-	-	-	-	-	3	-	-	-	3	-	9	-	84	-	-	-	-	-	-	-	
Police Officers																												
Level I	3,078	40.0	710	704	619 - 788	-	-	-	(³)	(³)	(³)	(³)	(³)	(³)	1	2	18	21	2	8	28	2	14	1	2	-		
Private industry	124	40.0	534	527	500 - 540	-	-	-	2	4	2	-	10	6	15	49	-	-	-	12	-	-	-	-	-	-		
Service-producing industries	124	40.0	534	527	500 - 540	-	-	-	2	4	2	-	10	6	15	49	-	-	-	12	-	-	-	-	-	-		
State and local government	2,954	40.0	718	720	619 - 788	-	-	-	-	-	(³)	(³)	-	(³)	(³)	(³)	19	22	2	8	29	3	15	1	2	-		

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, Pittsburgh, PA, May 1996

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	175 and under 200	200 - 225	225 - 250	250 - 275	275 - 300	300 - 325	325 - 350	350 - 375	375 - 400	400 - 425	425 - 450	450 - 475	475 - 500	500 - 550	550 - 600	600 - 650	650 - 700	700 - 750	750 - 800	800 - 850	850 and over	
Clerks, Accounting																											
Level I	205	39.4	\$293	\$289	\$280 - \$300	4	-	-	10	55	20	4	6	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Private industry	205	39.4	293	289	280 - 300	4	-	-	10	55	20	4	6	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Service-producing industries	148	39.2	296	291	282 - 308	5	-	-	14	42	23	6	8	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Level II:																											
Private industry:																											
Goods-producing industries:																											
Manufacturing	318	39.8	394	404	306 - 450	-	-	-	-	8	21	8	1	9	15	8	20	2	2	4	2	-	-	-	-	-	-
Service-producing industries:																											
Transportation and utilities	78	40.0	452	424	384 - 453	-	-	-	-	-	6	6	6	17	22	1	17	-	-	1	23	-	-	-	-	-	-
State and local government	136	37.1	474	461	399 - 545	-	-	-	-	4	-	-	-	-	6	10	20	1	13	18	1	-	4	-	-	-	-
Level III																											
Private industry	499	39.3	437	422	373 - 500	-	-	-	5	3	1	7	10	8	18	11	4	5	15	6	4	3	-	-	-	-	-
Goods-producing industries	472	39.3	440	427	378 - 500	-	-	-	6	3	1	5	10	9	16	11	4	6	16	6	4	3	-	-	-	-	-
Manufacturing	195	40.0	472	500	432 - 527	-	-	-	14	-	2	-	-	-	-	17	2	13	31	13	2	6	-	-	-	-	-
Service-producing industries	173	40.0	468	483	430 - 532	-	-	-	16	-	2	-	-	-	-	20	2	15	23	14	2	7	-	-	-	-	-
State and local government	277	38.9	418	404	363 - 431	-	-	-	-	5	1	8	18	15	27	6	6	(³)	5	2	6	1	-	-	-	-	-
Level IV																											
Private industry	112	39.0	574	589	491 - 665	-	-	-	-	-	-	-	4	6	6	8	-	7	10	23	7	13	4	13	-	-	-
State and local government	111	39.0	573	589	491 - 665	-	-	-	-	-	-	-	4	6	6	8	-	7	10	23	7	12	4	13	-	-	-
Clerks, General																											
Level I	151	37.5	281	280	252 - 315	-	-	17	31	19	30	1	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-
Private industry	107	37.6	263	260	250 - 281	-	-	24	44	27	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Service-producing industries	107	37.6	263	260	250 - 281	-	-	24	44	27	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Level II																											
Private industry	1,578	38.1	326	319	283 - 364	-	2	3	15	14	21	12	13	9	6	2	1	(³)	1	-	-	(³)	-	-	-	-	-
Goods-producing industries	1,190	38.8	320	314	280 - 358	-	3	2	15	19	23	12	9	9	6	2	(³)	(³)	1	-	-	-	-	-	-	-	-
Manufacturing	250	39.1	284	280	265 - 300	-	11	-	36	20	26	-	3	2	(³)	-	-	-	1	-	-	-	-	-	-	-	-
Service-producing industries	98	37.8	280	272	216 - 290	-	28	-	28	33	-	-	8	-	1	-	-	-	3	-	-	-	-	-	-	-	-
Transportation and utilities	940	38.7	329	319	288 - 366	-	1	2	10	18	22	15	11	11	7	2	(³)	(³)	1	-	-	-	-	-	-	-	-
State and local government	62	40.0	357	371	285 - 407	-	-	-	8	23	8	3	10	2	44	-	-	-	3	-	-	-	-	-	-	-	-
Level III	388	35.8	346	351	312 - 375	-	-	8	12	1	16	13	24	9	8	1	4	-	2	-	-	2	-	-	-	-	-
Level III																											
Private industry	663	39.2	400	400	351 - 435	-	-	1	1	2	11	10	4	25	18	12	6	2	5	3	1	-	-	-	-	-	-
Service-producing industries	449	39.4	395	408	330 - 435	-	-	1	2	3	14	12	5	8	19	18	8	1	7	(³)	1	-	-	-	-	-	-
State and local government	400	39.4	392	408	327 - 435	-	-	1	2	4	16	12	5	7	21	16	6	(³)	7	(³)	1	-	-	-	-	-	-
Level IV	214	38.6	410	400	377 - 410	-	-	-	-	-	4	4	1	63	14	(³)	2	2	1	9	-	-	-	-	-	-	-
Level IV																											
Private industry	303	39.2	459	458	398 - 495	-	-	-	-	-	2	13	8	4	9	6	27	10	12	5	1	-	5	-	-	-	-
Service-producing industries	303	39.2	459	458	398 - 495	-	-	-	-	-	2	13	8	4	9	6	27	10	12	5	1	-	5	-	-	-	-
State and local government	291	39.1	454	458	389 - 495	-	-	-	-	-	2	13	8	4	9	6	28	10	12	1	1	-	5	-	-	-	-
Clerks, Order																											
Level I	206	40.0	366	388	314 - 415	-	3	3	6	8	12	7	7	29	6	3	13	1	1	-	-	-	-	-	-	-	-
Private industry	206	40.0	366	388	314 - 415	-	3	3	6	8	12	7	7	29	6	3	13	1	1	-	-	-	-	-	-	-	-
Goods-producing industries	124	40.0	406	398	392 - 450	-	-	-	-	-	3	11	3	41	10	5	22	2	2	-	-	-	-	-	-	-	-
Manufacturing	124	40.0	406	398	392 - 450	-	-	-	-	-	3	11	3	41	10	5	22	2	2	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table A-3. All establishments: Weekly hours and pay of clerical occupations, Pittsburgh, PA, May 1996 — 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	175 and under 200	200 - 225	225 - 250	250 - 275	275 - 300	300 - 325	325 - 350	350 - 375	375 - 400	400 - 425	425 - 450	450 - 475	475 - 500	500 - 550	550 - 600	600 - 650	650 - 700	700 - 750	750 - 800	800 - 850	850 and over		
Key Entry Operators																												
Level I	591	39.6	\$322	\$304	\$290 - \$336	4	4	1	7	9	40	12	6	5	3	1	4	1	1	1	2	-	-	-	-	-	-	-
Private industry	577	39.7	321	304	290 - 336	5	5	1	7	9	40	12	6	3	3	1	4	1	1	1	2	-	-	-	-	-	-	
Service-producing industries	537	39.7	313	304	289 - 330	5	5	1	7	8	42	13	7	4	4	(³)	3	(³)	1	1	-	-	-	-	-	-	-	
State and local government	14	36.6	365	-	- - -	-	-	-	-	7	29	-	-	57	7	-	-	-	-	-	-	-	-	-	-	-	-	
Level II	92	38.9	331	340	274 - 384	-	-	2	24	16	8	-	14	32	4	-	-	-	-	-	-	-	-	-	-	-	-	
Private industry	92	38.9	331	340	274 - 384	-	-	2	24	16	8	-	14	32	4	-	-	-	-	-	-	-	-	-	-	-	-	
Service-producing industries	92	38.9	331	340	274 - 384	-	-	2	24	16	8	-	14	32	4	-	-	-	-	-	-	-	-	-	-	-	-	
Secretaries																												
Level I	567	39.1	474	455	391 - 581	-	-	-	(³)	3	3	12	5	8	12	7	3	2	6	26	13	-	-	-	-	-	-	-
Private industry	530	39.2	475	455	385 - 581	-	-	-	(³)	3	3	12	5	8	11	6	3	2	4	28	14	-	-	-	-	-	-	
Goods-producing industries	61	39.5	431	-	- - -	-	-	-	-	-	-	43	-	2	7	3	3	11	10	20	2	-	-	-	-	-	-	
Manufacturing	61	39.5	431	-	- - -	-	-	-	-	-	-	43	-	2	7	3	3	11	10	20	2	-	-	-	-	-	-	
Service-producing industries	469	39.1	481	456	394 - 581	-	-	-	(³)	3	3	9	6	9	11	6	3	1	3	29	16	-	-	-	-	-	-	
State and local government	37	38.5	463	428	403 - 542	-	-	-	-	-	-	-	-	11	30	19	-	-	41	-	-	-	-	-	-	-	-	
Level II	1,387	38.3	435	424	378 - 481	-	-	1	-	2	5	6	10	16	12	11	11	5	11	3	7	(³)	-	(³)	-	-	-	
Private industry	1,127	38.3	437	419	378 - 476	-	-	-	-	1	5	6	11	18	13	11	8	6	7	4	9	(³)	-	(³)	-	-	-	
Goods-producing industries	252	39.7	518	510	442 - 603	-	-	-	-	-	-	3	1	8	8	8	7	8	15	9	33	(³)	-	-	-	-	-	
Manufacturing	252	39.7	518	510	442 - 603	-	-	-	-	-	-	3	1	8	8	8	7	8	15	9	33	(³)	-	-	-	-	-	
Service-producing industries	875	37.9	413	400	371 - 447	-	-	-	-	2	6	7	14	21	15	12	8	5	5	3	2	(³)	-	(³)	-	-	-	
State and local government	260	38.0	431	454	370 - 505	-	-	5	-	5	5	6	6	6	7	8	25	3	25	-	-	-	-	-	-	-	-	
Level III	1,691	38.8	530	531	484 - 586	-	-	-	-	-	(³)	1	2	3	4	5	5	14	24	21	15	5	1	-	-	-	-	
Private industry	1,621	38.8	529	529	481 - 586	-	-	-	-	-	(³)	1	2	4	4	5	6	15	23	20	15	5	1	-	-	-	-	
Goods-producing industries	609	39.9	575	575	531 - 608	-	-	-	-	-	-	-	-	-	-	-	(³)	4	32	30	24	7	3	-	-	-	-	
Manufacturing	609	39.9	575	575	531 - 608	-	-	-	-	-	-	-	-	-	-	-	(³)	4	32	30	24	7	3	-	-	-	-	
Service-producing industries	1,012	38.2	501	490	448 - 558	-	-	-	-	-	(³)	2	3	6	7	9	9	21	18	13	9	4	(³)	-	-	-	-	
State and local government	70	38.1	555	562	525 - 600	-	-	-	-	-	-	-	-	1	1	1	-	1	41	47	7	-	-	-	-	-	-	
Level IV	482	39.2	606	612	526 - 688	-	-	-	-	-	-	(³)	1	1	2	3	5	17	18	15	17	18	2	(³)	-	1	-	
Private industry	476	39.2	606	613	523 - 688	-	-	-	-	-	-	(³)	1	1	2	3	5	17	17	15	17	18	2	(³)	-	1	-	
Goods-producing industries	171	39.9	692	700	662 - 718	-	-	-	-	-	-	-	-	-	-	-	-	-	2	22	23	46	5	-	3	-	-	
Manufacturing	170	39.9	691	700	662 - 715	-	-	-	-	-	-	-	-	-	-	-	-	-	2	22	23	46	5	-	2	-	-	
Service-producing industries	305	38.9	558	550	512 - 602	-	-	-	-	-	-	-	1	1	2	3	5	8	27	26	11	14	2	-	(³)	-	-	
Level V	56	38.3	708	-	- - -	-	-	-	-	-	-	-	-	-	-	-	-	2	4	5	13	27	14	27	5	4		
Private industry	54	38.3	707	-	- - -	-	-	-	-	-	-	-	-	-	-	-	-	2	4	6	13	28	11	28	6	4		
Service-producing industries	52	38.2	708	-	- - -	-	-	-	-	-	-	-	-	-	-	-	-	2	4	6	13	25	12	29	6	4		

See footnotes at end of table.

Table A-3. All establishments: Weekly hours and pay of clerical occupations, Pittsburgh, PA, May 1996 — 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	175 and under 200	200 - 225	225 - 250	250 - 275	275 - 300	300 - 325	325 - 350	350 - 375	375 - 400	400 - 425	425 - 450	450 - 475	475 - 500	500 - 550	550 - 600	600 - 650	650 - 700	700 - 750	750 - 800	800 - 850	850 and over
Switchboard Operator-Receptionists	690	39.4	\$319	\$310	\$290 - 337	4	1	6	5	19	34	12	5	3	2	3	(³)	4	(³)	-	-	1	-	-	-	-
Private industry	646	39.4	312	309	287 - 333	5	1	7	5	20	36	13	5	2	2	1	(³)	4	(³)	-	-	-	-	-	-	-
Goods-producing industries:																										
Manufacturing	98	39.7	301	291	274 - 310	-	-	19	7	41	11	7	6	4	-	2	-	-	2	-	-	-	-	-	-	-
Service-producing industries	520	39.5	308	310	291 - 333	6	1	4	3	17	42	15	5	2	2	(³)	(³)	1	-	-	-	-	-	-	-	-
State and local government	44	38.0	430	430	362 - 430	-	-	-	2	-	11	5	9	14	-	41	5	-	-	-	-	14	-	-	-	-

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-4. All establishments: Hourly pay of maintenance and toolroom occupations, Pittsburgh, PA, May 1996

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	6.00 and under 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 - 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
General Maintenance Workers	1,033	\$10.52	\$10.25	\$8.48 - \$11.88	1	-	5	5	16	6	12	2	5	7	14	5	5	6	4	7	(²)	(²)	-	-	1	-	-
Private industry	847	9.83	9.33	8.25 - 11.00	1	-	6	6	19	7	14	3	6	7	15	5	3	1	4	2	1	(²)	-	-	-	-	
Goods-producing industries	209	9.80	10.50	8.50 - 11.00	-	-	-	-	17	13	18	-	1	25	25	-	-	-	-	-	-	-	-	-	-	-	
Manufacturing	209	9.80	10.50	8.50 - 11.00	-	-	-	-	17	13	18	-	1	25	25	-	-	-	-	-	-	-	-	-	-	-	
Service-producing industries	638	9.84	9.33	8.06 - 11.07	2	-	8	8	20	5	13	4	7	1	12	7	4	2	6	2	1	(²)	-	-	-	-	
State and local government	186	13.66	13.69	12.57 - 15.38	-	-	-	-	-	-	2	-	-	8	6	5	17	26	3	30	-	-	-	-	3	-	
Maintenance Electricians	1,161	16.49	17.66	14.26 - 17.87	-	-	-	-	-	-	-	-	(²)	(²)	1	8	(²)	15	1	11	9	42	5	1	-	6	2
Private industry	1,089	16.54	17.67	14.15 - 17.91	-	-	-	-	-	-	-	-	(²)	(²)	-	9	(²)	16	1	11	6	44	5	-	-	6	2
Goods-producing industries	892	16.19	17.67	13.65 - 17.86	-	-	-	-	-	-	-	-	(²)	-	-	11	-	19	-	10	4	49	4	-	-	4	-
Manufacturing	862	16.13	17.67	13.65 - 17.84	-	-	-	-	-	-	-	-	(²)	-	-	11	-	20	-	10	4	47	4	-	-	4	-
Service-producing industries	197	18.11	17.66	16.34 - 21.03	-	-	-	-	-	-	-	-	-	-	-	-	1	1	4	15	17	25	12	-	-	16	9
State and local government	72	15.66	16.22	14.68 - 16.34	-	-	-	-	-	-	-	-	-	3	13	3	1	3	3	10	51	-	-	14	-	-	-
Maintenance Electronics Technicians																											
Level II	735	16.22	16.63	12.25 - 18.72	-	-	-	-	-	(²)	-	-	3	(²)	(²)	2	20	1	4	5	21	7	19	9	8	-	-
Private industry	731	16.22	16.63	12.25 - 18.72	-	-	-	-	-	(²)	-	-	3	(²)	(²)	2	20	1	4	5	21	7	19	9	8	-	-
Goods-producing industries	501	17.42	18.30	16.40 - 19.27	-	-	-	-	-	(²)	-	-	4	1	(²)	-	(²)	2	3	7	26	5	26	13	12	-	-
Transportation and utilities	386	18.33	18.51	16.63 - 19.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	30	2	33	17	16	-	-
Level III	70	16.23	-	-	-	-	-	-	-	-	-	-	-	-	3	9	10	20	4	1	31	16	-	3	-	3	-
Private industry	70	16.23	-	-	-	-	-	-	-	-	-	-	-	-	3	9	10	20	4	1	31	16	-	3	-	3	-
Maintenance Machinists	207	16.69	17.79	16.62 - 17.79	-	-	-	-	-	-	-	2	2	2	2	-	-	9	-	2	18	55	5	-	3	-	-
Private industry	207	16.69	17.79	16.62 - 17.79	-	-	-	-	-	-	-	2	2	2	2	-	-	9	-	2	18	55	5	-	3	-	-
Goods-producing industries	201	16.58	17.79	16.62 - 17.79	-	-	-	-	-	-	-	2	2	2	2	-	-	9	-	2	19	57	5	-	-	-	-
Manufacturing	189	16.49	17.79	16.62 - 17.79	-	-	-	-	-	-	-	2	2	2	2	-	-	10	-	2	20	54	6	-	-	-	-
Maintenance Mechanics, Machinery	1,105	15.59	15.66	13.65 - 17.87	-	-	-	-	-	-	-	-	-	2	-	14	(²)	22	(²)	13	5	40	1	-	-	2	-
Private industry	1,105	15.59	15.66	13.65 - 17.87	-	-	-	-	-	-	-	-	-	2	-	14	(²)	22	(²)	13	5	40	1	-	-	2	-
Goods-producing industries	1,088	15.59	15.66	13.65 - 17.87	-	-	-	-	-	-	-	-	-	2	-	14	(²)	22	-	13	5	40	1	-	-	2	-
Manufacturing	1,088	15.59	15.66	13.65 - 17.87	-	-	-	-	-	-	-	-	-	2	-	14	(²)	22	-	13	5	40	1	-	-	2	-
Maintenance Mechanics, Motor Vehicle	591	16.61	16.48	15.31 - 17.47	-	-	-	-	-	-	-	1	-	-	(²)	(²)	3	3	5	16	45	10	2	6	5	3	-
Private industry	419	16.98	16.48	16.28 - 17.47	-	-	-	-	-	-	-	1	-	-	(²)	(²)	4	3	1	1	55	12	3	9	6	5	-
Goods-producing industries	115	17.37	17.47	16.07 - 17.47	-	-	-	-	-	-	-	-	-	-	-	2	-	-	5	2	41	34	-	-	-	17	-
Manufacturing	114	17.39	17.47	16.07 - 17.47	-	-	-	-	-	-	-	-	-	-	-	2	-	-	4	2	41	34	-	-	-	17	-
Service-producing industries	304	16.83	16.48	16.48 - 17.94	-	-	-	-	-	-	-	1	-	-	(²)	-	6	5	-	(²)	60	3	4	12	9	-	-
State and local government	172	15.71	15.31	15.31 - 16.09	-	-	-	-	-	-	-	-	-	-	-	1	1	14	54	19	8	-	-	3	-	-	-
Maintenance Pipefitters	131	16.84	16.73	16.61 - 17.66	-	-	-	-	-	-	-	-	-	-	15	-	1	2	5	43	11	-	8	-	15	-	
Private industry	120	16.62	16.73	15.88 - 17.59	-	-	-	-	-	-	-	-	-	-	17	-	1	2	6	47	13	-	-	-	16	-	-
Tool and Die Makers	283	19.66	21.99	17.54 - 21.99	-	-	-	-	-	-	-	-	-	-	-	-	4	4	4	4	-	18	8	-	-	58	-
Private industry	283	19.66	21.99	17.54 - 21.99	-	-	-	-	-	-	-	-	-	-	-	-	4	4	4	4	-	18	8	-	-	58	-
Goods-producing industries	283	19.66	21.99	17.54 - 21.99	-	-	-	-	-	-	-	-	-	-	-	-	4	4	4	4	-	18	8	-	-	58	-
Manufacturing	283	19.66	21.99	17.54 - 21.99	-	-	-	-	-	-	-	-	-	-	-	-	4	4	4	4	-	18	8	-	-	58	-

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, Pittsburgh, PA, May 1996

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	4.25 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 - 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 and over			
Forklift Operators	1,111	\$12.62	\$12.99	\$9.58 - \$14.96	-	-	-	-	1	-	-	8	10	9	4	2	27	9	9	5	9	9	-	-	-	-	-	-		
Private industry	1,110	12.61	12.99	9.58 - 14.96	-	-	-	-	1	-	-	8	10	9	4	2	27	9	9	5	9	9	-	-	-	-	-	-		
Goods-producing industries	608	11.63	12.45	8.94 - 13.75	-	-	-	-	-	-	-	14	15	14	2	3	13	16	9	9	2	3	-	-	-	-	-	-		
Manufacturing	590	11.45	12.02	8.94 - 13.75	-	-	-	-	-	-	-	15	16	14	2	3	13	16	10	9	2	-	-	-	-	-	-	-		
Service-producing industries	502	13.80	12.99	12.99 - 16.70	-	-	-	-	2	-	-	-	3	4	7	-	43	-	8	-	18	16	-	-	-	-	-	-		
Guards																														
Level I	4,848	6.02	5.50	5.00 - 6.65	7	12	28	12	10	10	8	4	4	1	1	1	(²)	1	(²)	(²)	(²)	-	-	-	-	-	-	-	-	
Private industry	4,815	5.98	5.50	5.00 - 6.65	7	12	28	12	10	10	8	4	4	1	1	1	(²)	(²)	(²)	(²)	(²)	-	-	-	-	-	-	-	-	
Goods-producing industries	76	11.06	-	-	-	-	-	-	37	-	-	-	-	1	1	-	7	32	4	5	13	-	-	-	-	-	-	-	-	
Manufacturing	76	11.06	-	-	-	-	-	-	37	-	-	-	-	1	1	-	7	32	4	5	13	-	-	-	-	-	-	-	-	
Service-producing industries	4,739	5.90	5.50	5.00 - 6.65	8	12	29	12	10	10	8	4	4	1	1	1	(²)	-	-	-	-	-	-	-	-	-	-	-	-	
State and local government	33	10.80	-	-	-	-	-	-	-	9	-	-	3	30	18	12	-	27	-	-	-	-	-	-	-	-	-	-	-	
Level II	119	12.07	10.91	9.41 - 17.00	-	-	-	-	-	-	8	-	5	14	24	12	9	1	1	-	-	26	-	-	-	-	-	-	-	
Janitors	9,690	7.98	7.45	5.00 - 10.10	6	14	11	5	4	4	7	4	8	10	5	5	6	7	1	(²)	1	-	(²)	-	-	-	-	-	-	
Private industry	7,161	6.79	6.00	4.91 - 8.37	9	19	15	7	5	5	8	4	8	11	6	1	1	2	(²)	(²)	1	-	(²)	-	-	-	-	-	-	
Goods-producing industries	317	10.84	11.24	8.74 - 13.32	-	-	9	3	1	-	1	2	13	11	9	13	4	27	4	-	-	-	4	-	-	-	-	-	-	
Manufacturing	307	11.02	11.24	8.74 - 13.32	-	-	6	4	1	-	1	1	14	11	9	13	5	28	4	-	-	4	-	-	4	-	-	-	-	
Service-producing industries	6,844	6.61	5.95	4.89 - 8.05	9	20	15	7	6	6	8	4	8	11	5	(²)	(²)	1	(²)	1	-	-	-	-	-	-	-	-	-	
State and local government	2,529	11.33	11.87	9.80 - 13.07	-	-	-	-	-	1	5	5	7	9	5	18	23	22	4	(²)	-	-	-	-	-	-	-	-	-	
Material Handling Laborers	990	12.19	12.65	10.40 - 14.54	-	-	6	3	2	2	-	1	1	4	11	1	44	(²)	17	-	-	-	2	6	-	-	-	-		
Private industry	990	12.19	12.65	10.40 - 14.54	-	-	6	3	2	2	-	1	1	4	11	1	44	(²)	17	-	-	2	6	-	-	-	-	-		
Service-producing industries	530	11.48	10.50	7.62 - 14.95	-	-	11	6	4	3	-	2	3	7	21	1	-	(²)	33	-	-	-	10	-	-	-	-	-		
Order Fillers	863	14.28	15.79	14.97 - 16.60	-	-	8	3	1	(²)	1	1	2	1	1	-	-	-	30	1	28	22	-	-	-	-	-	-		
Private industry	863	14.28	15.79	14.97 - 16.60	-	-	8	3	1	(²)	1	1	2	1	1	-	-	-	30	1	28	22	-	-	-	-	-	-		
Service-producing industries	855	14.27	16.60	14.97 - 16.60	-	-	8	4	1	(²)	1	1	2	1	1	-	-	-	30	-	28	22	-	-	-	-	-	-		
Truckdrivers																														
Medium Truck	1,571	15.22	16.26	14.50 - 16.26	-	-	-	1	6	3	(²)	-	(²)	(²)	5	5	1	4	2	(²)	51	2	-	20	-	-	-	-		
Private industry	1,557	15.23	16.26	14.50 - 16.26	-	-	-	1	6	3	(²)	-	(²)	(²)	5	5	1	4	1	-	52	2	-	20	-	-	-	-		
Service-producing industries	1,446	15.53	16.26	16.26 - 16.26	-	-	-	1	6	4	(²)	-	(²)	-	1	3	1	3	1	-	56	2	-	22	-	-	-	-		
Heavy Truck	2,561	15.28	15.05	13.03 - 16.37	-	-	-	-	-	-	-	-	1	-	17	6	1	10	11	26	5	1	5	1	4	8	5	5		
Private industry	2,186	15.19	15.05	11.88 - 16.45	-	-	-	-	-	-	-	-	1	-	20	6	1	5	12	25	5	1	6	1	2	10	5			
Goods-producing industries	339	17.37	21.47	11.66 - 21.47	-	-	-	-	-	-	-	-	8	-	17	2	-	-	16	-	-	-	-	-	-	58	-			
Service-producing industries	1,847	14.79	15.05	11.88 - 15.63	-	-	-	-	-	-	-	-	-	-	21	7	1	6	15	26	6	1	7	1	2	1	6			
Transportation and utilities	1,841	14.80	15.05	11.88 - 15.63	-	-	-	-	-	-	-	-	-	-	21	7	1	6	15	26	6	1	7	1	2	1	6			
State and local government	375	15.79	15.44	13.79 - 15.44	-	-	-	-	-	-	-	-	-	-	-	-	-	43	2	34	-	-	-	-	21	-	-			
Tractor Trailer	1,693	15.68	15.66	14.70 - 17.63	-	-	-	-	-	-	-	(²)	(²)	7	11	2	1	17	19	10	13	(²)	13	-	3	2				
Private industry	1,441	15.83	15.90	13.05 - 17.70	-	-	-	-	-	-	-	(²)	(²)	8	13	2	2	3	23	12	16	(²)	16	-	3	2				
Goods-producing industries	422	14.48	13.05	11.63 - 17.63	-	-	-	-	-	-	-	-	1	-	42	4	4	-	3	15	32	-	-	-	-	-				
Manufacturing	122	15.46	16.96	13.05 - 16.96	-	-	-	-	-	-	-	-	3	-	-	-	12	14	-	11	52	7	-	-	-	-				
Service-producing industries	1,019	16.40	15.90	15.10 - 19.51	-	-	-	-	-	-	-	-	-	1	12	1	2	1	4	31	10	9	(²)	22	-	5	3			

See footnotes at end of table.

Table A-5. All establishments: Hourly pay of material movement and custodial occupations, Pittsburgh, PA, May 1996 — 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	4.25 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 - 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 and over
Warehouse Specialists	390	\$10.55	\$10.77	\$7.90 - \$12.00	-	-	-	-	2	7	14	2	13	8	10	12	15	5	2	-	8	-	(²)	-	2	-	-
Private industry	366	10.30	10.61	7.90 - 12.00	-	-	-	-	2	7	15	2	14	8	11	10	16	3	2	-	9	-	(²)	-	-	-	-
Goods-producing industries	164	10.91	11.10	7.26 - 12.29	-	-	-	-	-	13	13	-	4	4	13	16	16	7	-	-	12	-	1	-	-	-	-
Manufacturing	164	10.91	11.10	7.26 - 12.29	-	-	-	-	-	13	13	-	4	4	13	16	16	7	-	-	12	-	1	-	-	-	-
Service-producing industries	202	9.81	8.95	7.90 - 11.92	-	-	-	-	3	3	17	4	22	12	8	5	15	-	3	-	6	-	-	-	-	-	

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. Establishments employing 500 workers or more: Weekly hours and pay of professional and administrative occupations, Pittsburgh, PA, May 1996

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	300 and under 350	350 - 400	400 - 450	450 - 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 and over	
PROFESSIONAL OCCUPATIONS																											
Accountants																											
Level I	101	38.3	\$467	\$471	\$388 - \$510	-	32	9	22	26	8	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Private industry	97	38.3	466	471	388 - 510	-	33	9	21	25	8	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Service-producing industries	87	38.2	453	462	388 - 505	-	37	10	23	23	5	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Level II	256	39.0	606	607	538 - 662	-	-	4	13	18	11	38	14	1	1	-	-	-	-	-	-	-	-	-	-	-	
Private industry	237	39.0	608	610	541 - 663	-	-	5	9	19	12	39	15	(³)	1	-	-	-	-	-	-	-	-	-	-	-	
Service-producing industries	198	38.9	583	587	538 - 632	-	-	6	11	23	14	40	6	-	-	-	-	-	-	-	-	-	-	-	-	-	
Level III	301	39.5	806	817	702 - 901	-	-	1	1	1	5	17	22	28	20	4	2	(³)	-	-	-	-	-	-	-	-	
Private industry	280	39.5	814	827	715 - 908	-	-	1	1	1	5	12	23	29	21	4	2	(³)	-	-	-	-	-	-	-	-	
Goods-producing industries	117	40.0	909	900	831 - 975	-	-	-	-	-	-	-	14	35	37	9	4	1	-	-	-	-	-	-	-	-	
Manufacturing	111	40.0	908	889	831 - 981	-	-	-	-	-	-	-	14	37	33	10	5	1	-	-	-	-	-	-	-	-	
Service-producing industries	163	39.2	747	725	673 - 841	-	-	1	2	1	9	20	29	25	10	1	1	-	-	-	-	-	-	-	-	-	
State and local government	21	38.8	695	666	666 - 690	-	-	-	-	-	-	86	5	5	5	-	-	-	-	-	-	-	-	-	-	-	
Level IV	149	39.5	1,037	1,013	870 - 1,189	-	-	-	-	-	-	1	11	15	19	15	17	13	7	3	1	-	-	-	-	-	
Private industry	135	39.4	1,054	1,028	929 - 1,212	-	-	-	-	-	-	1	12	7	21	16	19	14	7	3	1	-	-	-	-	-	
Service-producing industries	89	39.2	958	952	857 - 1,030	-	-	-	-	-	-	2	18	10	30	19	13	7	-	-	-	-	-	-	-	-	
Attorneys																											
Level II:																											
State and local government	23	38.4	738	788	639 - 831	-	-	-	-	-	17	26	22	30	4	-	-	-	-	-	-	-	-	-	-	-	
Level III	95	38.6	1,193	1,209	991 - 1,365	-	-	-	-	-	-	-	1	12	15	3	17	20	14	15	2	1	1	-	-	-	
Private industry	62	38.9	1,300	-	-	-	-	-	-	-	-	-	2	2	3	3	18	23	21	23	3	2	2	-	-	-	
Level IV	117	39.2	1,644	1,656	1,519 - 1,809	-	-	-	-	-	-	-	-	-	2	-	4	3	4	10	17	24	9	6	15	5	
Private industry	110	39.3	1,667	1,667	1,519 - 1,875	-	-	-	-	-	-	-	-	-	2	-	3	2	2	11	18	25	10	6	15	5	
Level V	77	38.3	2,106	-	-	-	-	-	-	-	-	-	-	-	-	-	4	1	4	5	1	6	3	5	70		
Private industry	77	38.3	2,106	-	-	-	-	-	-	-	-	-	-	-	-	-	4	1	4	5	1	6	3	5	470		
Engineers																											
Level II:																											
Private industry:																											
Goods-producing industries	107	40.0	797	797	746 - 850	-	-	-	-	-	-	5	49	44	2	-	1	-	-	-	-	-	-	-	-	-	
Manufacturing	107	40.0	797	797	746 - 850	-	-	-	-	-	-	5	49	44	2	-	1	-	-	-	-	-	-	-	-	-	
Level III:																											
State and local government	84	37.6	856	820	785 - 969	-	-	-	-	-	-	2	30	30	36	1	1	-	-	-	-	-	-	-	-	-	
Level IV	901	39.9	1,047	1,038	968 - 1,109	-	-	-	-	-	-	-	(³)	11	23	38	17	6	3	1	(³)	-	-	-	-	-	
State and local government	34	37.7	1,021	991	968 - 1,106	-	-	-	-	-	-	-	-	-	50	21	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, Pittsburgh, PA, May 1996 — 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	300 and under 350	350 - 400	400 - 450	450 - 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 and over	
ADMINISTRATIVE OCCUPATIONS																											
Budget Analysts																											
Level II:																											
State and local government	12	35.6	\$607	-	- - -	-	-	-	33	-	8	42	17	-	-	-	-	-	-	-	-	-	-	-	-	-	
Level III:																											
State and local government	8	35.9	809	-	- - -	-	-	-	-	-	-	50	50	-	-	-	-	-	-	-	-	-	-	-	-	-	
Buyers/Contracting Specialists																											
Level II																											
Private industry	109	39.4	664	\$620	\$587 - \$746	-	-	1	5	9	16	35	21	8	3	3	-	-	-	-	-	-	-	-	-	-	
Service-producing industries	98	39.7	675	638	600 - 752	-	-	1	5	4	13	39	22	9	3	3	-	-	-	-	-	-	-	-	-	-	
State and local government	65	39.6	621	-	- - -	-	-	2	8	6	20	48	12	5	-	-	-	-	-	-	-	-	-	-	-	-	
Level III																											
Private industry	11	37.1	565	-	- - -	-	-	-	-	55	36	-	9	-	-	-	-	-	-	-	-	-	-	-	-	-	
Level IV																											
Private industry	76	39.2	822	-	- - -	-	-	1	4	3	1	14	17	22	24	12	1	-	-	-	-	-	-	-	-	-	
Private industry	76	39.2	822	-	- - -	-	-	1	4	3	1	14	17	22	24	12	1	-	-	-	-	-	-	-	-	-	
Level IV																											
Private industry	56	39.7	1,061	-	- - -	-	-	-	-	-	-	-	-	13	16	34	27	7	4	-	-	-	-	-	-	-	
Private industry	56	39.7	1,061	-	- - -	-	-	-	-	-	-	-	-	13	16	34	27	7	4	-	-	-	-	-	-	-	
Computer Programmers																											
Level I																											
Private industry	73	39.2	512	-	- - -	4	1	15	22	34	7	12	4	-	-	-	-	-	-	-	-	-	-	-	-	-	
Private industry	55	39.6	539	-	- - -	-	-	18	5	45	9	16	5	-	-	-	-	-	-	-	-	-	-	-	-	-	
State and local government	18	38.1	432	462	426 - 462	17	6	6	72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Level II																											
Private industry	280	38.3	607	606	570 - 640	2	2	1	1	13	22	48	8	1	(³)	(³)	-	-	-	-	-	-	-	-	-	-	-
Service-producing industries	267	38.5	614	612	573 - 644	1	1	-	1	12	23	50	8	1	(³)	(³)	-	-	-	-	-	-	-	-	-	-	-
Service-producing industries	232	38.3	597	602	568 - 631	1	2	-	2	14	27	48	6	-	-	-	-	-	-	-	-	-	-	-	-	-	
Level III																											
Private industry	468	38.3	723	720	665 - 785	-	(³)	1	1	2	2	34	38	16	5	-	-	-	-	-	-	-	-	-	-	-	
Service-producing industries	455	38.3	724	721	665 - 785	-	(³)	1	2	2	2	34	39	16	5	-	-	-	-	-	-	-	-	-	-	-	
Service-producing industries	437	38.2	722	721	663 - 784	-	(³)	1	2	2	2	34	39	15	5	-	-	-	-	-	-	-	-	-	-	-	
Level IV																											
Private industry	263	37.2	874	890	825 - 944	-	-	-	(³)	1	2	3	13	36	34	10	(³)	-	-	-	-	-	-	-	-	-	
Service-producing industries	263	37.2	874	890	825 - 944	-	-	-	(³)	1	2	3	13	36	34	10	(³)	-	-	-	-	-	-	-	-	-	
Service-producing industries	259	37.2	872	890	819 - 942	-	-	-	(³)	1	2	3	13	37	34	9	-	-	-	-	-	-	-	-	-	-	
Computer Systems Analysts																											
Level I																											
Private industry	176	39.3	745	719	672 - 803	-	-	1	3	1	5	31	34	13	6	6	1	1	-	-	-	-	-	-	-	-	
Service-producing industries	171	39.3	746	719	673 - 803	-	-	1	3	1	5	30	34	13	6	6	1	1	-	-	-	-	-	-	-	-	
Service-producing industries	123	39.1	706	696	654 - 777	-	-	1	4	1	7	37	34	10	3	2	-	-	-	-	-	-	-	-	-	-	
Level II																											
Private industry	894	38.3	889	885	811 - 964	-	-	-	(³)	(³)	(³)	2	19	32	31	13	2	1	-	-	-	-	-	-	-	-	
Goods-producing industries	883	38.3	889	885	811 - 964	-	-	-	(³)	(³)	(³)	2	19	32	31	13	2	1	-	-	-	-	-	-	-	-	
Manufacturing	79	39.8	1,019	-	- - -	-	-	-	-	-	-	1	4	20	15	28	16	15	-	-	-	-	-	-	-	-	
Service-producing industries	79	39.8	1,019	-	- - -	-	-	-	-	-	-	1	4	20	15	28	16	15	-	-	-	-	-	-	-	-	
Service-producing industries	804	38.1	876	877	804 - 948	-	-	-	(³)	(³)	(³)	2	21	33	32	11	(³)	-	-	-	-	-	-	-	-	-	
State and local government	11	37.7	871	-	- - -	-	-	-	-	-	-	9	18	9	64	-	-	-	-	-	-	-	-	-	-	-	

See footnotes at end of table.

Table A-6. Establishments employing 500 workers or more: Weekly hours and pay of professional and administrative occupations, Pittsburgh, PA, May 1996 — 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	300 and under 350	350 - 400	400 - 450	450 - 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 and over
Level III	575	38.7	\$1,051	\$1,039	\$962 - \$1,135	-	-	-	-	-	-	(³)	2	10	25	32	16	9	3	2	(³)	(³)	-	-	-	-
Private industry	563	38.7	1,052	1,039	962 - 1,135	-	-	-	-	-	-	(³)	2	9	26	32	16	10	3	2	(³)	(³)	-	-	-	-
Service-producing industries	406	38.3	1,020	1,024	942 - 1,096	-	-	-	-	-	-	(³)	3	11	29	33	16	6	1	(³)	-	-	-	-	-	-
Computer Systems Analyst Supervisors/Managers																										
Level I	328	38.5	1,164	1,172	1,069 - 1,275	-	-	-	-	-	-	(³)	1	4	11	17	26	23	13	6	-	-	-	-	-	-
Private industry	328	38.5	1,164	1,172	1,069 - 1,275	-	-	-	-	-	-	(³)	1	4	11	17	26	23	13	6	-	-	-	-	-	-
Service-producing industries	225	37.7	1,123	1,121	1,004 - 1,213	-	-	-	-	-	-	(³)	2	5	16	20	27	15	10	4	-	-	-	-	-	-
Level II	201	38.4	1,327	1,279	1,203 - 1,474	-	-	-	-	-	-	-	-	-	4	6	13	28	10	17	13	3	4	(³)	-	-
Private industry	199	38.4	1,331	1,279	1,206 - 1,476	-	-	-	-	-	-	-	-	-	4	7	14	28	10	17	13	4	4	1	-	-
Service-producing industries	144	37.9	1,248	1,223	1,164 - 1,344	-	-	-	-	-	-	-	-	-	5	9	19	39	10	13	4	1	-	-	-	-
Personnel Specialists																										
Level II	121	38.8	611	576	527 - 697	-	-	6	8	22	17	23	15	9	-	-	-	-	-	-	-	-	-	-	-	-
Private industry	94	39.1	583	558	506 - 632	-	-	7	11	27	17	21	16	1	-	-	-	-	-	-	-	-	-	-	-	-
Service-producing industries	82	39.0	561	546	500 - 615	-	-	9	12	30	20	20	10	-	-	-	-	-	-	-	-	-	-	-	-	-
Level III	154	39.0	761	726	655 - 910	-	-	1	6	3	8	22	19	16	16	8	1	-	-	-	-	-	-	-	-	-
Private industry	132	39.2	760	728	644 - 910	-	-	1	7	3	9	23	14	17	16	9	2	-	-	-	-	-	-	-	-	-
Service-producing industries	114	39.1	728	714	616 - 846	-	-	1	8	4	11	26	13	18	18	3	-	-	-	-	-	-	-	-	-	-
Level IV	172	38.9	1,024	1,006	885 - 1,153	-	-	-	-	-	2	3	4	20	18	17	17	13	2	4	-	-	-	-	-	-
Private industry	157	39.0	1,032	1,024	904 - 1,149	-	-	-	-	-	2	3	4	16	20	18	18	11	3	4	-	-	-	-	-	-
Service-producing industries	109	38.6	963	952	884 - 1,050	-	-	-	-	-	3	5	6	23	23	19	17	1	4	-	-	-	-	-	-	-
State and local government	15	37.7	944	855	820 - 1,211	-	-	-	-	-	-	-	7	67	-	-	-	27	-	-	-	-	-	-	-	-
Tax Collectors																										
Level II	31	37.3	683	712	615 - 712	-	-	-	-	-	-	13	23	58	6	-	-	-	-	-	-	-	-	-	-	-
State and local government	31	37.3	683	712	615 - 712	-	-	-	-	-	-	13	23	58	6	-	-	-	-	-	-	-	-	-	-	-

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.

⁴ Workers were distributed as follows: 12 percent at \$2,000 and under \$2,100; 16 percent at \$2,100 and under \$2,200; 8 percent at \$2,200 and under \$2,300; 8 percent at \$2,300 and under \$2,400; 12 percent at \$2,400 and under \$2,500; 12 percent at \$2,500 and under \$2,600; and 4 percent at \$2,600 and under \$2,700.

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, Pittsburgh, PA, May 1996

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	275 and under 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 - 850	850 - 900	900 - 950	950 - 1000		
TECHNICAL OCCUPATIONS																												
Computer Operators																												
Level II	209	38.5	\$408	\$400	\$348 - \$440	10	(³)	18	11	11	16	12	6	5	1	5	-	(³)	4	1	-	-	-	-	-	-	-	-
Private industry	172	38.7	413	413	348 - 440	4	1	22	5	13	18	15	7	5	1	3	-	1	5	-	-	-	-	-	-	-	-	
Service-producing industries	169	38.7	411	413	348 - 440	4	1	22	5	13	18	15	7	5	1	3	-	-	5	-	-	-	-	-	-	-	-	
State and local government	37	37.6	384	-	- - -	35	-	-	35	-	8	-	-	5	-	11	-	-	5	-	5	-	-	-	-	-	-	
Level III	114	39.1	582	562	518 - 696	-	-	-	-	1	-	4	-	7	19	13	13	7	8	17	11	-	-	-	-	-	-	
Private industry	102	39.3	591	567	523 - 696	-	-	-	-	1	-	2	-	8	16	14	13	8	9	19	12	-	-	-	-	-	-	
Service-producing industries	94	39.2	589	562	523 - 696	-	-	-	-	1	-	2	-	5	17	15	14	9	9	16	13	-	-	-	-	-	-	
State and local government	12	37.3	507	-	- - -	-	-	-	-	-	-	25	-	-	50	8	17	-	-	-	-	-	-	-	-	-	-	
Drafters																												
Level II	72	40.0	631	-	- - -	-	-	-	-	-	4	11	6	1	-	7	6	3	11	15	3	33	-	-	-	-	-	
Private industry	72	40.0	631	-	- - -	-	-	-	-	-	4	11	6	1	-	7	6	3	11	15	3	33	-	-	-	-	-	
Level III	73	40.0	772	-	- - -	-	-	-	-	-	-	-	-	-	-	3	3	4	10	5	4	44	-	-	-	27		
Private industry	73	40.0	772	-	- - -	-	-	-	-	-	-	-	-	-	-	3	3	4	10	5	4	44	-	-	-	27		
Engineering Technicians, Civil																												
Level III	141	37.7	568	546	471 - 624	-	-	-	-	-	-	-	26	-	18	6	-	16	13	10	11	-	-	-	-	-	-	
State and local government	141	37.7	568	546	471 - 624	-	-	-	-	-	-	-	26	-	18	6	-	16	13	10	11	-	-	-	-	-	-	
Level IV	37	38.4	754	725	725 - 788	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	62	14	24	-	-	-		
State and local government	37	38.4	754	725	725 - 788	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	62	14	24	-	-	-		
Level V	12	38.1	842	-	- - -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50	-	8	33	8		
State and local government	12	38.1	842	-	- - -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50	-	8	33	8	8		
PROTECTIVE SERVICE OCCUPATIONS																												
Corrections Officers																												
State and local government	701	40.0	581	606	438 - 682	-	-	(³)	-	5	13	8	(³)	6	1	4	4	1	21	22	9	5	1	-	-	-	-	
State and local government	701	40.0	581	606	438 - 682	-	-	(³)	-	5	13	8	(³)	6	1	4	4	1	21	22	9	5	1	-	-	-	-	
Firefighters																												
State and local government	1,222	42.0	741	768	768 - 768	-	-	-	-	-	-	-	3	-	-	-	3	-	-	9	-	84	-	-	-	-		
State and local government	1,222	42.0	741	768	768 - 768	-	-	-	-	-	-	-	3	-	-	-	3	-	-	9	-	84	-	-	-	-		
Police Officers																												
Level I	2,444	40.0	692	654	591 - 788	-	-	-	(³)	(³)	(³)	(³)	(³)	(³)	1	3	7	16	21	3	5	35	3	2	1	2		
Private industry	124	40.0	534	527	500 - 540	-	-	-	2	4	2	-	10	6	15	49	-	-	-	-	12	-	-	-	-	-		
Service-producing industries	124	40.0	534	527	500 - 540	-	-	-	2	4	2	-	10	6	15	49	-	-	-	-	12	-	-	-	-	-		
State and local government	2,320	40.0	700	697	591 - 788	-	-	-	-	-	(³)	(³)	-	(³)	(³)	(³)	8	16	22	3	4	37	3	2	1	2		

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-8. Establishments employing 500 workers or more: Weekly hours and pay of clerical occupations, Pittsburgh, PA, May 1996

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	175 and under 200	200 - 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 - 600	600 - 650	650 - 700	700 - 750	750 - 800	800 - 850	
Clerks, Accounting																											
Level II	1,176	39.3	\$339	\$317	\$297 - \$372	-	-	11	7	24	10	15	9	6	3	3	5	1	1	1	3	1	-	-	-	-	-
Private industry	1,053	39.6	324	304	290 - 352	-	-	12	8	26	12	17	10	4	3	2	3	1	(³)	(³)	2	(³)	-	-	-	-	
Service-producing industries	1,018	39.6	319	302	281 - 346	-	-	13	9	27	12	17	10	4	3	2	2	(³)	(³)	1	(³)	-	-	-	-	-	
State and local government	123	37.0	467	461	399 - 542	-	-	-	5	-	-	-	20	7	11	22	1	7	7	20	1	-	-	-	-	-	
Level III	220	38.7	440	405	371 - 475	-	-	-	6	1	10	13	18	14	7	7	(³)	2	5	4	7	7	-	-	-	-	
Private industry	219	38.6	440	405	371 - 475	-	-	-	6	1	10	13	18	14	6	7	(³)	2	5	4	7	7	-	-	-	-	
Service-producing industries	200	38.5	422	398	363 - 455	-	-	-	6	1	11	14	19	15	6	7	(³)	2	5	2	7	1	-	-	-	-	
Level IV	93	38.8	555	556	444 - 589	-	-	-	-	-	-	4	8	8	10	-	9	8	4	28	-	6	1	15	-		
Private industry	92	38.8	554	545	443 - 589	-	-	-	-	-	-	4	8	8	10	-	9	8	4	28	-	5	1	15	-		
Clerks, General																											
Level I	151	37.5	281	280	252 - 315	-	-	17	31	19	30	1	-	-	-	2	-	-	-	-	-	-	-	-	-	-	
Private industry	107	37.6	263	260	250 - 281	-	-	24	44	27	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Service-producing industries	107	37.6	263	260	250 - 281	-	-	24	44	27	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Level II	978	37.9	338	334	300 - 375	-	-	-	12	13	19	15	16	13	6	3	(³)	(³)	1	1	-	-	-	-	-	-	
Private industry	683	38.8	335	327	291 - 376	-	-	-	10	18	20	15	11	16	5	3	(³)	(³)	(³)	1	-	-	-	-	-	-	
Service-producing industries	673	38.8	334	326	291 - 371	-	-	-	10	18	21	16	11	15	5	3	(³)	(³)	(³)	(³)	-	-	-	-	-	-	
State and local government	295	35.6	345	355	314 - 369	-	-	-	16	1	17	15	28	8	11	2	1	-	2	(³)	-	-	-	-	-	-	
Level III	536	39.1	397	400	360 - 419	-	-	-	1	2	11	8	4	28	21	11	5	1	1	(³)	4	1	-	-	-	-	
State and local government	214	38.6	410	400	377 - 410	-	-	-	-	-	4	4	1	63	14	(³)	2	2	(³)	(³)	9	-	-	-	-	-	
Level IV	265	39.1	457	466	371 - 495	-	-	-	-	3	14	9	5	10	7	21	11	2	6	5	2	-	6	-	-		
Private industry	265	39.1	457	466	371 - 495	-	-	-	-	3	14	9	5	10	7	21	11	2	6	5	2	-	6	-	-		
Service-producing industries	253	39.0	451	451	368 - 495	-	-	-	-	3	15	9	5	10	7	22	11	2	7	1	2	-	6	-	-		
Key Entry Operators																											
Level I	144	38.5	347	319	258 - 395	-	-	3	25	11	18	7	7	7	5	1	3	1	1	2	2	6	-	-	-	-	
Private industry	130	38.8	345	317	258 - 367	-	-	4	28	12	17	8	8	2	5	2	3	2	1	2	2	7	-	-	-	-	
Service-producing industries	121	38.7	326	311	258 - 359	-	-	4	30	12	18	8	8	2	5	2	3	2	1	2	2	-	-	-	-		
State and local government	14	36.6	365	-	-	-	-	-	7	29	-	-	57	7	-	-	-	-	-	-	-	-	-	-	-	-	
Level II	77	38.7	326	-	-	-	-	3	29	19	1	-	13	30	5	-	-	-	-	-	-	-	-	-	-	-	
Private industry	77	38.7	326	-	-	-	-	3	29	19	1	-	13	30	5	-	-	-	-	-	-	-	-	-	-	-	
Service-producing industries	77	38.7	326	-	-	-	-	3	29	19	1	-	13	30	5	-	-	-	-	-	-	-	-	-	-	-	
Secretaries																											
Level I	457	39.4	494	542	388 - 581	-	-	-	(³)	4	4	9	6	4	5	7	2	2	3	5	33	16	-	-	-	-	
Private industry	434	39.4	494	551	387 - 581	-	-	-	(³)	4	4	9	6	4	5	7	3	3	3	1	34	17	-	-	-	-	
Service-producing industries	400	39.4	494	556	375 - 581	-	-	-	(³)	4	4	10	7	4	4	7	2	1	2	1	34	18	-	-	-	-	
Level II	1,128	38.1	440	424	379 - 488	-	-	-	-	1	5	5	11	16	12	10	12	5	4	6	3	9	(³)	-	(³)	-	
Private industry	982	38.1	434	416	374 - 474	-	-	-	-	2	5	6	12	18	13	11	8	5	3	2	4	10	(³)	-	(³)	-	
Goods-producing industries	150	39.7	568	601	531 - 603	-	-	-	-	-	-	-	-	4	-	1	7	5	8	5	15	55	-	-	-	-	
Manufacturing	150	39.7	568	601	531 - 603	-	-	-	-	-	-	-	-	4	-	1	7	5	8	5	15	55	-	-	-	-	
Service-producing industries	832	37.8	410	400	367 - 447	-	-	-	-	2	6	7	15	20	16	13	9	6	2	2	1	2	(³)	-	(³)	-	
State and local government	146	38.0	480	480	454 - 525	-	-	-	-	-	1	2	2	2	4	5	32	6	14	32	-	-	-	-	-	-	

See footnotes at end of table.

Table A-8. Establishments employing 500 workers or more: Weekly hours and pay of clerical occupations, Pittsburgh, PA, May 1996 — 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	175 and under 200	200 - 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 - 600	600 - 650	650 - 700	700 - 750	750 - 800	800 - 850
Level III	1,121	38.3	\$520	\$507	\$456 - \$591	-	-	-	-	-	(³)	1	2	5	6	8	8	15	10	10	14	13	7	2	-	-
Private industry	1,069	38.3	518	502	453 - 589	-	-	-	-	-	(³)	1	2	5	6	8	8	15	10	8	13	13	7	2	-	-
Service-producing industries	870	38.0	495	490	439 - 545	-	-	-	-	-	(³)	2	3	7	8	10	10	18	11	9	11	8	4	(³)	-	-
State and local government	52	38.4	556	551	525 - 600	-	-	-	-	-	-	-	-	2	-	2	-	2	10	35	40	10	-	-	-	-
Level IV	316	38.8	594	596	522 - 671	-	-	-	-	-	-	-	1	1	2	2	5	5	12	7	18	15	18	12	3	-
Private industry	310	38.9	594	596	522 - 671	-	-	-	-	-	-	-	1	1	2	2	5	5	12	7	17	15	18	12	3	-
Service-producing industries	240	38.6	564	555	506 - 616	-	-	-	-	-	-	-	1	1	3	2	7	6	16	9	20	14	17	3	-	-
Level V	52	38.1	701	-	- - -	-	-	-	-	-	-	-	-	-	-	-	2	-	4	6	13	25	15	29	6	
Private industry	50	38.2	700	-	- - -	-	-	-	-	-	-	-	-	-	-	-	2	-	4	6	14	26	12	30	6	
Service-producing industries	50	38.2	700	-	- - -	-	-	-	-	-	-	-	-	-	-	-	2	-	4	6	14	26	12	30	6	
Switchboard Operator-Receptionists	96	39.1	330	328	303 - 370	4	4	14	1	1	25	2	25	13	2	4	2	3	-	-	-	-	-	-	-	-
Private industry	76	39.8	323	-	- - -	5	5	17	-	1	25	-	26	8	3	5	-	4	-	-	-	-	-	-	-	-
Service-producing industries	73	39.8	319	-	- - -	5	5	18	-	1	26	-	27	7	3	3	-	4	-	-	-	-	-	-	-	-
State and local government	20	36.3	357	362	305 - 393	-	-	-	5	-	25	10	20	30	-	-	10	-	-	-	-	-	-	-	-	-

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-9. Establishments employing 500 workers or more: Hourly pay of maintenance and toolroom occupations, Pittsburgh, PA, May 1996

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	6.00 and under 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 - 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	
General Maintenance Workers	297	\$12.83	\$13.69	\$11.75 - \$15.14	3	-	3	3	-	1	2	3	4	2	1	8	14	21	9	23	2	1	-	-	-	-	-	-
Private industry	142	11.72	11.88	9.81 - 14.67	7	-	7	6	-	2	1	6	8	3	2	10	8	8	16	10	4	2	-	-	-	-	-	
Service-producing industries	142	11.72	11.88	9.81 - 14.67	7	-	7	6	-	2	1	6	8	3	2	10	8	8	16	10	4	2	-	-	-	-	-	
State and local government	155	13.84	13.69	12.87 - 15.38	-	-	-	-	-	-	3	-	-	1	-	6	19	32	3	35	-	-	-	-	-	-	-	
Maintenance Electricians	791	17.36	17.68	16.62 - 17.91	-	-	-	-	-	-	-	-	-	(²)	1	(²)	(²)	3	1	11	13	58	5	1	-	6	-	
Private industry	719	17.53	17.68	17.05 - 17.91	-	-	-	-	-	-	-	-	-	-	-	-	(²)	3	1	11	9	63	6	-	-	7	-	
Service-producing industries	140	17.17	17.05	15.87 - 17.75	-	-	-	-	-	-	-	-	-	-	-	-	1	1	6	21	20	36	6	-	-	10	-	
State and local government	72	15.66	16.22	14.68 - 16.34	-	-	-	-	-	-	-	-	-	3	13	3	1	3	3	10	51	-	-	14	-	-	-	
Maintenance Electronics Technicians																												
Level II	360	16.62	16.62	15.97 - 17.84	-	-	-	-	-	1	-	-	6	1	1	-	1	1	7	9	42	7	8	-	17	-	-	
Private industry	356	16.62	16.62	15.97 - 17.75	-	-	-	-	-	1	-	-	6	1	1	-	1	1	8	9	43	7	7	-	17	-	-	
Service-producing industries	312	16.67	16.63	15.98 - 17.84	-	-	-	-	-	1	-	-	7	1	1	-	1	1	4	10	42	8	5	-	20	-	-	
Level III	70	16.23	-	- - -	-	-	-	-	-	-	-	-	-	-	-	3	9	10	20	4	1	31	16	-	3	-	3	
Private industry	70	16.23	-	- - -	-	-	-	-	-	-	-	-	-	-	3	9	10	20	4	1	31	16	-	3	-	3		
Maintenance Mechanics, Motor Vehicle ...	349	16.98	16.09	15.31 - 17.94	-	-	-	-	-	-	-	-	-	-	(²)	-	1	4	1	27	26	16	1	11	7	5	-	
Private industry	213	17.87	17.47	16.07 - 19.61	-	-	-	-	-	-	-	-	-	-	(²)	-	-	7	2	(²)	30	20	1	17	12	9	-	
Goods-producing industries	110	17.53	17.47	16.07 - 17.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	43	35	-	-	-	17	-	
Manufacturing	110	17.53	17.47	16.07 - 17.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	43	35	-	-	-	17	-	
Service-producing industries	103	18.23	19.61	16.00 - 20.65	-	-	-	-	-	-	-	-	-	-	1	-	-	14	-	1	17	4	3	36	25	-	-	
State and local government	136	15.60	15.31	15.31 - 16.09	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	68	20	10	-	-	-	-	-	
Maintenance Pipefitters	67	18.49	-	- - -	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	10	18	22	-	16	-	28	-	
Private industry	56	18.35	-	- - -	-	-	-	-	-	-	-	-	-	-	-	-	-	2	4	13	21	27	-	-	-	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-10. Establishments employing 500 workers or more: Hourly pay of material movement and custodial occupations, Pittsburgh, PA, May 1996

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	4.25 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 - 22.00
Forklift Operators	382	\$15.30	\$16.37	\$13.75 - \$17.16	-	-	-	-	-	-	-	-	-	-	3	-	-	3	25	15	1	27	25	-	-	-	-
Private industry	381	15.30	16.37	13.75 - 17.16	-	-	-	-	-	-	-	-	-	-	3	-	-	3	25	15	1	27	25	-	-	-	-
Guards	3,649	6.06	5.50	5.00 - 6.75	7	12	30	12	10	6	8	5	3	2	2	1	2	(²)	(²)	(²)	(²)	(²)	(²)	-	-	-	-
Level I	3,617	6.01	5.50	5.00 - 6.72	7	12	30	12	10	6	8	5	3	2	2	1	2	(²)	(²)	(²)	(²)	(²)	(²)	-	-	-	-
Service-producing industries	3,591	5.95	5.50	5.00 - 6.50	7	13	30	13	10	6	8	5	3	2	2	1	2	(²)	-	-	-	-	-	-	-	-	-
State and local government	32	10.80	10.27	9.71 - 13.57	-	-	-	-	-	9	-	-	3	-	31	19	9	-	28	-	-	-	-	-	-	-	-
Level II	93	13.06	11.89	10.57 - 17.00	-	-	-	-	-	-	-	-	-	2	5	30	15	12	1	1	-	-	33	-	-	-	-
Janitors	3,349	10.26	9.99	8.50 - 12.25	-	-	(²)	1	1	2	6	6	9	9	17	14	6	18	7	2	(²)	2	-	(²)	-	-	-
Private industry	1,805	9.52	9.12	8.16 - 10.10	-	-	1	2	2	3	7	7	10	13	22	20	2	2	7	1	(²)	3	-	1	-	-	-
Goods-producing industries	136	13.53	13.32	12.31 - 13.95	-	-	-	-	-	-	-	-	-	-	1	-	15	10	63	2	-	-	-	9	-	-	-
Manufacturing	136	13.53	13.32	12.31 - 13.95	-	-	-	-	-	-	-	-	-	-	1	-	15	10	63	2	-	-	-	9	-	-	-
Service-producing industries	1,669	9.20	9.10	8.09 - 10.10	-	-	1	2	2	3	7	7	11	14	23	22	(²)	1	2	1	(²)	3	-	-	-	-	-
State and local government	1,544	11.13	11.87	9.56 - 12.99	-	-	-	-	-	1	6	5	7	4	12	6	11	37	8	3	(²)	-	-	-	-	-	-
Material Handling Laborers	164	12.28	14.25	5.12 - 19.48	-	-	30	18	-	-	-	-	-	-	-	-	-	1	2	-	-	-	14	34	-	-	
Private industry	164	12.28	14.25	5.12 - 19.48	-	-	30	18	-	-	-	-	-	-	-	-	-	1	2	-	-	-	14	34	-	-	
Shipping/Receiving Clerks	134	9.00	7.93	5.95 - 10.97	-	-	-	27	9	3	6	9	5	1	9	7	7	2	-	6	4	1	1	1	1	-	-
Private industry	133	8.96	7.93	5.95 - 10.97	-	-	-	27	9	3	6	9	5	1	9	8	7	2	-	5	5	1	2	1	2	-	-
Service-producing industries	121	8.20	7.58	5.91 - 9.68	-	-	-	30	10	3	7	10	6	1	10	8	7	2	-	6	-	-	-	-	-	-	-
Truckdrivers	80	9.73	8.33	6.45 - 13.88	-	-	-	-	30	-	2	5	14	2	4	14	4	-	-	24	1	-	-	-	-	-	-
Light Truck	80	9.73	8.33	6.45 - 13.88	-	-	-	-	30	-	2	5	14	2	4	14	4	-	-	24	1	-	-	-	-	-	-
Private industry	80	9.73	8.33	6.45 - 13.88	-	-	-	-	30	-	2	5	14	2	4	14	4	-	-	24	1	-	-	-	-	-	-
Service-producing industries	80	9.73	8.33	6.45 - 13.88	-	-	-	-	30	-	2	5	14	2	4	14	4	-	-	24	1	-	-	-	-	-	-
Heavy Truck	533	17.14	15.44	13.79 - 21.47	-	-	-	-	-	-	-	-	-	-	-	(²)	-	(²)	30	-	32	-	-	1	-	-	37
Tractor Trailer	520	18.05	17.70	16.68 - 19.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	4	32	19	(²)	43	-	-
Private industry	520	18.05	17.70	16.68 - 19.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	4	32	19	(²)	43	-	-
Warehouse Specialists	115	12.73	11.23	10.17 - 16.78	-	-	-	-	-	-	-	1	2	1	21	15	17	2	6	6	-	29	-	1	-	-	-
Private industry	97	12.83	11.21	9.79 - 16.78	-	-	-	-	-	-	-	1	2	1	25	18	10	2	-	6	-	34	-	1	-	-	-
Service-producing industries	76	11.70	-	-	-	-	-	-	-	-	-	-	1	3	1	32	22	13	3	8	-	17	-	-	-	-	-

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 Pittsburgh, PA 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.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 Pittsburgh, PA Metropolitan Statistical Area (May 1992). 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 Pittsburgh, PA Metropolitan Statistical Area. Collection for the survey was from March 1996 through August 1996 and reflects an average payroll reference month of May 1996. Data obtained for a payroll period prior to the end of May 1996 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 13.9 percent of the sample establishments (representing 72,139 employees covered by the survey). An additional 6.6 percent of the sample establishments (representing 27,858 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. In all but 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 Specialists III (6.1 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	0.0
1 and under 3 percent	61.7
3 and under 5 percent	35.2
5 percent and over	3.1

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 6 percent of the 856 sampled job match decisions reviewed by the JMV reviewers and checked with the respondents were subsequently changed by the JMV reviewers. The results are from a similar survey conducted in 1994, see *Occupational Compensation Survey: Pay Only, Pittsburgh, PA*, BLS Bulletin 3075-23.

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, Pittsburgh, PA¹, May 1996

Industry division ²	Number of establishments		Workers in establishments		
	Within scope of survey ³	Studied	Within scope of survey ⁴		Studied
			Number	Percent	
ALL ESTABLISHMENTS					
All divisions	2,136	243	529,287	100	199,749
Private industry	1,981	223	446,701	84	165,314
Goods producing	609	62	100,749	19	26,192
Manufacturing	474	50	86,402	16	24,715
Mining ⁵	13	3	3,158	1	547
Construction ⁵	122	9	11,189	2	930
Service producing	1,372	161	345,952	65	139,122
Transportation, communication, electric, gas, and sanitary services ⁶	108	13	42,062	8	23,925
Wholesale trade ⁷	142	16	13,166	2	4,180
Retail trade ⁷	400	21	88,378	17	14,593
Finance, insurance, and real estate ⁷	99	11	33,633	6	18,300
Services ⁷	623	100	168,713	32	78,124
State and local government	155	20	82,586	16	34,435
ESTABLISHMENTS EMPLOYING 500 WORKERS OR MORE					
All divisions	202	85	294,352	100	172,495
Private industry	159	72	234,245	80	139,596
Goods producing	33	16	32,553	11	17,812
Manufacturing	27	15	29,523	10	17,307
Service producing	126	56	201,692	69	121,784
Transportation, communication, electric, gas, and sanitary services ⁶	6	5	24,298	8	22,181
Retail trade ⁷	31	7	43,521	15	12,275
Finance, insurance, and real estate ⁷	14	5	30,290	10	18,004
Services ⁷	73	37	101,540	34	67,281
State and local government	43	13	60,107	20	32,899

¹ The Pittsburgh Primary Metropolitan Statistical Area, as defined by the Office of Management and Budget through October 1984, consists of Allegheny, Fayette, Washington, and Westmoreland 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.

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