

Occupational Compensation Survey: Pay Only

**Detroit, Michigan,
Metropolitan Area,
January 1996**



U.S. Department of Labor
Bureau of Labor Statistics

Bulletin 3085-7

Preface

This bulletin provides results of a January 1996 survey of occupational pay in the Detroit, MI Primary Metropolitan Statistical Area. This survey was conducted as part of the U.S. Bureau of Labor Statistics Occupational Compensation Survey Program. Data from this program are for use in implementing the Federal Employees Pay Comparability Act of 1990. The survey was conducted by the Bureau's regional office in Chicago, under the direction of Ronald H. Pritzlaff, Assistant Regional Commissioner for Operations.

The survey could not have been conducted without the cooperation of the many private firms and government jurisdictions that provided pay data included in this bulletin. The Bureau thanks these respondents for their cooperation.

For additional information regarding this survey or similar surveys conducted in this regional area, please contact the BLS Chicago Regional Office at (312) 353-1880. You may also write to the Bureau of Labor Statistics at: Division of Occupational Pay and Employee Benefits, 2 Massachusetts Avenue, NE, Washington, D.C. 20212-0001 or call the Occupational Compensation Survey Program information line at (202) 606-6220.

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Occupational Compensation Survey: Pay Only

Detroit, Michigan, Metropolitan Area, January 1996



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

Bureau of Labor Statistics
Katharine G. Abraham,
Commissioner

July 1996

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Introduction

This survey of occupational pay in the Detroit, MI Primary Metropolitan Statistical Area (Lapeer, Macomb, Monroe, Oakland, St. Clair, and Wayne 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, Detroit, MI, January 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 400	400 - 500	500 - 600	600 - 700	700 - 800	800 - 900	900 - 1000	1000 - 1100	1100 - 1200	1200 - 1300	1300 - 1400	1400 - 1500	1500 - 1600	1600 - 1700	1700 - 1800	1800 - 1900	1900 - 2000	2000 - 2100	2100 - 2200	2200 - 2300	2300 and over			
PROFESSIONAL OCCUPATIONS																													
Accountants																													
Level I	379	39.9	\$514	\$516	\$488 - \$539	-	36	59	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Private industry	331	39.9	520	525	497 - 539	-	31	64	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Service-producing industries	228	39.9	509	500	488 - 538	-	43	54	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
State and local government	48	39.5	474	461	441 - 506	-	75	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Level II	1,014	39.9	684	646	577 - 762	(³)	5	27	36	11	8	6	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Private industry	911	39.9	693	663	577 - 773	1	5	24	37	11	9	7	5	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Goods-producing industries	310	40.0	819	794	684 - 968	2	-	5	27	16	13	17	15	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Manufacturing	307	40.0	820	801	684 - 972	2	-	5	27	16	13	17	16	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Service-producing industries	601	39.8	628	624	565 - 684	-	8	33	42	8	6	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
State and local government	103	39.6	606	577	538 - 644	-	-	60	20	13	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Level III	1,551	39.9	840	826	717 - 927	-	-	2	15	28	21	23	6	3	2	(³)	-	-	-	-	-	-	-	-	-	-	-	-	-
Private industry	1,303	40.0	856	855	761 - 942	-	-	2	12	24	24	24	7	3	2	(³)	-	-	-	-	-	-	-	-	-	-	-	-	-
Goods-producing industries	750	40.0	906	904	796 - 982	-	-	1	6	20	20	32	10	6	4	(³)	-	-	-	-	-	-	-	-	-	-	-	-	-
Manufacturing	744	40.0	907	908	796 - 982	-	-	1	6	20	20	32	10	6	4	(³)	-	-	-	-	-	-	-	-	-	-	-	-	-
Service-producing industries	553	39.9	789	779	700 - 875	-	-	4	20	29	30	14	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
State and local government	248	39.8	753	715	660 - 798	-	-	1	30	47	5	14	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Level IV	849	39.8	1,054	1,042	912 - 1,185	-	-	-	1	6	16	18	18	20	12	5	4	(³)	1	-	-	-	-	-	-	-	-	-	-
Private industry	688	39.9	1,076	1,060	923 - 1,210	-	-	-	(³)	4	10	22	21	16	14	6	5	1	1	-	-	-	-	-	-	-	-	-	-
Goods-producing industries	349	40.0	1,170	1,193	1,036 - 1,282	-	-	-	-	(³)	9	11	16	16	25	11	9	1	1	-	-	-	-	-	-	-	-	-	-
Manufacturing	343	40.0	1,172	1,195	1,036 - 1,287	-	-	-	-	(³)	9	11	14	16	26	11	10	1	1	-	-	-	-	-	-	-	-	-	-
Service-producing industries	339	39.8	980	980	904 - 1,060	-	-	-	1	9	10	33	26	17	3	1	-	-	-	-	-	-	-	-	-	-	-	-	
State and local government	161	39.2	956	856	832 - 1,140	-	-	-	2	11	42	3	6	34	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
Level V	169	40.0	1,364	1,346	1,240 - 1,457	-	-	-	-	1	10	2	6	19	17	24	8	5	5	-	4	-	-	-	-	-	-	-	
Private industry	148	40.0	1,418	1,412	1,253 - 1,497	-	-	-	-	1	-	-	7	22	19	27	9	5	6	-	5	-	-	-	-	-	-	-	
Goods-producing industries	83	40.0	1,481	1,455	1,317 - 1,589	-	-	-	-	-	-	-	2	18	11	39	6	10	6	-	8	-	-	-	-	-	-	-	
Manufacturing	83	40.0	1,481	1,455	1,317 - 1,589	-	-	-	-	-	-	-	2	18	11	39	6	10	6	-	8	-	-	-	-	-	-	-	
Service-producing industries	65	39.9	1,338	-	-	-	-	-	-	2	-	-	12	26	29	12	12	-	6	-	-	-	-	-	-	-	-	-	
State and local government	21	40.0	985	967	936 - 967	-	-	-	-	-	81	14	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	
Level VI	50	40.0	1,785	-	-	-	-	-	-	-	-	-	-	4	-	-	6	6	8	28	12	30	-	2	4	-	-	-	
Attorneys																													
Level I	63	40.0	894	-	-	-	-	-	11	14	44	6	10	8	6	-	-	-	-	-	-	-	-	-	-	-	-	-	
Private industry	52	40.0	926	-	-	-	-	-	8	6	52	6	12	10	8	-	-	-	-	-	-	-	-	-	-	-	-	-	
State and local government	11	40.0	743	-	-	-	-	-	27	55	9	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Level II	99	39.5	1,057	1,008	808 - 1,250	-	-	-	-	4	30	9	12	7	22	8	2	5	-	-	-	-	-	-	-	-	-	-	
Private industry	76	39.4	1,099	-	-	-	-	-	-	-	32	7	4	9	29	11	3	7	-	-	-	-	-	-	-	-	-	-	
State and local government	23	40.0	918	941	812 - 1,007	-	-	-	-	17	26	17	39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Level III	247	39.8	1,357	1,358	1,240 - 1,475	-	-	-	-	-	-	3	6	14	11	21	25	13	6	2	(³)	(³)	-	-	-	-	-	-	
Private industry	159	39.9	1,402	1,423	1,277 - 1,517	-	-	-	-	-	-	3	4	13	8	20	21	19	9	3	1	1	-	-	-	-	-	-	
Service-producing industries	112	39.9	1,354	1,355	1,172 - 1,485	-	-	-	-	-	-	4	5	18	7	23	21	15	7	-	-	-	-	-	-	-	-	-	
State and local government	88	39.6	1,275	1,307	1,172 - 1,410	-	-	-	-	-	-	3	9	17	16	22	33	-	-	-	-	-	-	-	-	-	-	-	

See footnotes at end of table.

Table A-1. All establishments: Weekly hours and pay of professional and administrative occupations, Detroit, MI, January 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 400	400 - 500	500 - 600	600 - 700	700 - 800	800 - 900	900 - 1000	1000 - 1100	1100 - 1200	1200 - 1300	1300 - 1400	1400 - 1500	1500 - 1600	1600 - 1700	1700 - 1800	1800 - 1900	1900 - 2000	2000 - 2100	2100 - 2200	2200 - 2300	2300 and over
Level IV	190	39.9	\$1,574	\$1,535	\$1,433 - \$1,715	-	-	-	-	-	-	-	-	-	6	9	21	23	15	15	4	5	2	1	-	-
Private industry	126	39.9	1,632	1,629	1,452 - 1,779	-	-	-	-	-	-	-	-	-	3	7	21	13	17	22	6	7	2	2	-	-
Goods-producing industries	50	40.0	1,746	-	- - -	-	-	-	-	-	-	-	-	-	-	-	20	2	6	38	12	16	2	4	-	-
Manufacturing	50	40.0	1,746	-	- - -	-	-	-	-	-	-	-	-	-	-	-	20	2	6	38	12	16	2	4	-	-
Service-producing industries	76	39.9	1,557	-	- - -	-	-	-	-	-	-	-	-	-	5	12	21	20	24	12	3	1	3	-	-	
State and local government	64	39.8	1,459	1,508	1,397 - 1,510	-	-	-	-	-	-	-	-	-	11	14	20	42	13	-	-	-	-	-	-	
Level V	129	39.9	2,039	2,019	1,889 - 2,175	-	-	-	-	-	-	-	-	-	-	-	2	5	9	12	19	15	16	9	13	
Private industry	122	39.9	2,063	2,051	1,903 - 2,181	-	-	-	-	-	-	-	-	-	-	-	2	1	9	12	20	16	17	10	14	
State and local government	7	40.0	1,621	-	- - -	-	-	-	-	-	-	-	-	-	-	-	14	71	14	-	-	-	-	-	-	
Engineers																										
Level I:																										
Private industry:																										
Service-producing industries	167	40.0	721	720	677 - 760	-	-	8	28	46	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
State and local government	16	40.0	539	549	527 - 558	-	19	81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Level II	2,975	40.0	829	830	779 - 897	-	-	2	7	26	41	21	3	1	-	-	-	-	-	-	-	-	-	-	-	
Private industry	2,938	40.0	832	831	780 - 897	-	-	1	7	26	41	21	3	1	-	-	-	-	-	-	-	-	-	-	-	
Goods-producing industries	2,193	40.0	850	841	789 - 908	-	-	1	3	25	42	24	4	1	-	-	-	-	-	-	-	-	-	-	-	
Manufacturing	2,169	40.0	852	841	793 - 909	-	-	1	3	25	43	24	4	1	-	-	-	-	-	-	-	-	-	-	-	
Service-producing industries	745	40.0	778	798	715 - 848	-	-	3	17	29	38	12	-	-	-	-	-	-	-	-	-	-	-	-	-	
State and local government	37	40.0	623	577	567 - 659	-	-	51	38	5	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	
Level III	7,844	40.0	958	942	871 - 1,036	-	-	(³)	3	4	27	33	19	10	4	1	-	-	-	-	-	-	-	-	-	
Private industry	7,597	40.0	964	946	878 - 1,039	-	-	-	1	3	27	34	19	11	4	1	-	-	-	-	-	-	-	-	-	
Goods-producing industries	5,779	40.0	975	955	885 - 1,049	-	-	-	(³)	1	28	35	18	12	5	1	-	-	-	-	-	-	-	-	-	
Manufacturing	5,672	40.0	978	959	889 - 1,051	-	-	-	(³)	1	28	35	18	12	5	1	-	-	-	-	-	-	-	-	-	
Service-producing industries	1,818	40.0	929	934	856 - 1,000	-	-	-	5	8	23	34	23	6	1	(³)	-	-	-	-	-	-	-	-	-	
State and local government	247	39.9	753	690	671 - 828	-	-	5	50	18	15	2	8	2	-	-	-	-	-	-	-	-	-	-	-	
Level IV	13,706	40.0	1,186	1,180	1,090 - 1,269	-	-	-	-	(³)	1	7	19	28	24	12	5	2	(³)	-	-	-	-	-	-	
Private industry	13,588	40.0	1,189	1,180	1,092 - 1,269	-	-	-	-	(³)	(³)	7	19	28	25	12	5	2	(³)	-	-	-	-	-	-	
Goods-producing industries	11,356	40.0	1,194	1,189	1,090 - 1,284	-	-	-	-	-	(³)	8	19	26	24	14	6	2	1	-	-	-	-	-	-	
Manufacturing	11,249	40.0	1,196	1,190	1,092 - 1,285	-	-	-	-	-	(³)	8	19	26	24	14	6	3	1	-	-	-	-	-	-	
Service-producing industries	2,232	40.0	1,160	1,159	1,099 - 1,220	-	-	-	-	(³)	1	4	20	39	27	5	3	(³)	-	-	-	-	-	-	-	
State and local government	118	39.8	937	945	832 - 1,012	-	-	-	-	9	38	27	9	11	3	2	-	-	-	-	-	-	-	-	-	
Level V	6,518	40.0	1,460	1,444	1,335 - 1,580	-	-	-	-	-	(³)	1	4	14	21	22	16	12	7	2	2	-	-	-	-	
Private industry	6,434	40.0	1,464	1,445	1,341 - 1,582	-	-	-	-	-	-	1	3	14	21	22	16	12	7	2	2	-	-	-	-	
Goods-producing industries	5,538	40.0	1,485	1,469	1,357 - 1,603	-	-	-	-	-	-	1	4	9	20	23	18	13	8	2	2	-	-	-	-	
Manufacturing	5,508	40.0	1,487	1,469	1,359 - 1,604	-	-	-	-	-	-	1	3	9	20	23	18	14	8	2	2	-	-	-	-	
Service-producing industries	896	40.0	1,331	1,320	1,240 - 1,400	-	-	-	-	-	-	1	2	40	31	18	5	2	1	-	-	-	-	-	-	
State and local government	84	39.9	1,122	1,116	967 - 1,250	-	-	-	-	-	-	32	8	30	13	17	-	-	-	-	-	-	-	-	-	
Level VI	365	40.0	1,792	1,835	1,660 - 1,935	-	-	-	-	-	-	3	-	2	2	4	8	10	14	25	18	7	7	2	-	
Private industry	348	40.0	1,823	1,846	1,696 - 1,941	-	-	-	-	-	-	-	-	-	2	4	8	11	14	26	18	7	7	2	-	
State and local government	17	40.0	1,159	1,080	1,080 - 1,208	-	-	-	-	-	-	59	-	35	-	-	-	6	-	-	-	-	-	-	-	

See footnotes at end of table.

Table A-1. All establishments: Weekly hours and pay of professional and administrative occupations, Detroit, MI, January 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 400	400 - 500	500 - 600	600 - 700	700 - 800	800 - 900	900 - 1000	1000 - 1100	1100 - 1200	1200 - 1300	1300 - 1400	1400 - 1500	1500 - 1600	1600 - 1700	1700 - 1800	1800 - 1900	1900 - 2000	2000 - 2100	2100 - 2200	2200 - 2300	2300 and over
ADMINISTRATIVE OCCUPATIONS																										
Budget Analysts																										
Level I	14	38.8	\$532	-	- - -	-	36	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
State and local government	14	38.8	532	-	- - -	-	36	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Level II	50	39.6	685	-	- - -	-	-	28	30	28	-	4	10	-	-	-	-	-	-	-	-	-	-	-	-	-
State and local government	20	39.0	669	\$706	\$616 - \$713	-	-	20	20	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Level III	54	39.6	828	-	- - -	-	-	-	19	37	22	7	9	4	2	-	-	-	-	-	-	-	-	-	-	-
State and local government	31	39.7	805	793	726 - 898	-	-	-	19	45	16	6	13	-	-	-	-	-	-	-	-	-	-	-	-	-
Buyers/Contracting Specialists																										
Level I	191	40.0	538	502	481 - 580	1	43	40	12	2	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Private industry	186	40.0	537	500	481 - 571	1	44	38	12	2	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Goods-producing industries	159	40.0	523	481	481 - 520	-	52	40	4	1	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Manufacturing	159	40.0	523	481	481 - 520	-	52	40	4	1	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Level II	596	40.0	734	704	644 - 788	-	1	14	34	27	11	6	4	3	-	-	-	-	-	-	-	-	-	-	-	-
Private industry	532	40.0	749	745	644 - 823	-	1	11	31	30	13	7	4	3	-	-	-	-	-	-	-	-	-	-	-	-
Goods-producing industries	379	40.0	793	770	663 - 833	-	-	2	25	39	14	10	6	4	-	-	-	-	-	-	-	-	-	-	-	-
Manufacturing	376	40.0	793	770	663 - 834	-	-	2	25	39	14	10	6	5	-	-	-	-	-	-	-	-	-	-	-	-
Service-producing industries	153	40.0	641	625	577 - 688	-	5	33	47	7	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
State and local government	64	39.8	611	620	557 - 664	-	-	39	55	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Level III	1,029	40.0	971	991	854 - 1,075	-	-	-	5	7	24	18	27	13	6	(³)	-	-	-	-	-	-	-	-	-	-
Private industry	995	40.0	979	991	863 - 1,077	-	-	-	3	7	24	18	28	13	7	1	-	-	-	-	-	-	-	-	-	-
Goods-producing industries	836	40.0	994	1,005	880 - 1,081	-	-	-	3	4	22	19	29	14	8	1	-	-	-	-	-	-	-	-	-	-
Manufacturing	836	40.0	994	1,005	880 - 1,081	-	-	-	3	4	22	19	29	14	8	1	-	-	-	-	-	-	-	-	-	-
Service-producing industries	159	39.9	898	854	822 - 1,013	-	-	-	2	21	36	14	19	8	-	-	-	-	-	-	-	-	-	-	-	-
State and local government	34	39.7	746	680	641 - 897	-	-	-	56	15	15	9	6	-	-	-	-	-	-	-	-	-	-	-	-	-
Level IV	489	40.0	1,206	1,175	1,076 - 1,322	-	-	-	(³)	1	1	8	22	22	17	15	8	6	1	-	-	-	-	-	-	-
Private industry	478	40.0	1,214	1,185	1,076 - 1,328	-	-	-	-	-	(³)	7	23	23	17	15	8	6	1	-	-	-	-	-	-	-
Goods-producing industries	460	40.0	1,216	1,182	1,076 - 1,337	-	-	-	-	-	-	7	23	22	17	15	8	6	2	-	-	-	-	-	-	-
Manufacturing	460	40.0	1,216	1,182	1,076 - 1,337	-	-	-	-	-	-	7	23	22	17	15	8	6	2	-	-	-	-	-	-	-
State and local government	11	40.0	860	-	- - -	-	-	-	9	27	27	36	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Computer Programmers																										
Level I	192	40.0	595	540	528 - 691	-	6	58	14	20	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Private industry	180	40.0	604	562	538 - 692	-	2	60	15	22	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Service-producing industries	104	40.0	595	538	538 - 687	-	4	61	16	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Level II	808	39.9	672	660	600 - 733	-	3	22	39	28	5	2	(³)	-	-	-	-	-	-	-	-	-	-	-	-	-
Private industry	773	40.0	672	660	600 - 732	-	3	21	40	27	6	3	(³)	-	-	-	-	-	-	-	-	-	-	-	-	-
Goods-producing industries	150	40.0	666	660	580 - 720	-	9	19	37	23	5	5	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Manufacturing	150	40.0	666	660	580 - 720	-	9	19	37	23	5	5	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Service-producing industries	623	40.0	674	673	611 - 744	-	1	22	41	28	6	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
State and local government	35	38.9	673	708	586 - 755	-	-	37	11	49	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table A-1. All establishments: Weekly hours and pay of professional and administrative occupations, Detroit, MI, January 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 400	400 - 500	500 - 600	600 - 700	700 - 800	800 - 900	900 - 1000	1000 - 1100	1100 - 1200	1200 - 1300	1300 - 1400	1400 - 1500	1500 - 1600	1600 - 1700	1700 - 1800	1800 - 1900	1900 - 2000	2000 - 2100	2100 - 2200	2200 - 2300	2300 and over		
Personnel Specialists																												
Level I:																												
State and local government	8	40.0	\$532	-	- - -	-	25	75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Level II																												
Private industry	840	39.9	691	\$615	\$577 - \$800	-	4	36	26	9	9	8	6	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
Goods-producing industries	786	39.9	696	615	577 - 811	-	4	33	27	9	9	6	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Manufacturing	365	40.0	784	739	577 - 954	-	3	30	8	12	12	18	13	5	-	-	-	-	-	-	-	-	-	-	-	-	-	
Service-producing industries	362	40.0	785	753	577 - 955	-	3	30	7	12	12	18	13	5	-	-	-	-	-	-	-	-	-	-	-	-	-	
State and local government	421	39.9	620	615	568 - 626	-	5	36	43	7	7	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Level III																												
Private industry	54	39.2	614	570	566 - 665	-	-	67	15	13	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Goods-producing industries	922	40.0	842	801	720 - 961	-	-	3	17	30	18	16	9	5	3	1	-	-	-	-	-	-	-	-	-	-	-	
Manufacturing	798	40.0	862	819	731 - 971	-	-	1	14	27	20	18	10	5	4	1	-	-	-	-	-	-	-	-	-	-	-	
Service-producing industries	358	40.0	957	954	808 - 1,062	-	-	-	5	9	22	33	11	9	8	3	-	-	-	-	-	-	-	-	-	-	-	
State and local government	358	40.0	957	954	808 - 1,062	-	-	-	5	9	22	33	11	9	8	3	-	-	-	-	-	-	-	-	-	-	-	
Level IV																												
Private industry	440	40.0	784	754	700 - 840	-	-	2	22	42	18	5	8	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
Goods-producing industries	421	39.9	620	615	568 - 626	-	-	2	22	42	18	5	8	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
Manufacturing	439	39.7	1,053	1,058	946 - 1,129	-	-	-	6	11	16	39	8	14	3	3	-	-	-	-	-	-	-	-	-	-	-	
Service-producing industries	85	39.7	888	856	856 - 875	-	-	4	4	73	4	12	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
State and local government	Level V																											
Private industry	610	40.0	1,441	1,426	1,240 - 1,635	-	-	-	-	-	3	5	11	17	11	15	9	10	7	6	6	-	-	-	-	-	-	
Goods-producing industries	589	40.0	1,457	1,440	1,265 - 1,648	-	-	-	-	-	1	4	11	17	12	15	9	11	7	6	6	-	-	-	-	-	-	
Manufacturing	130	39.9	1,238	1,238	1,144 - 1,283	-	-	-	-	-	4	12	18	45	10	6	4	2	-	-	-	-	-	-	-	-	-	
Service-producing industries	21	40.0	1,000	1,032	936 - 1,032	-	-	-	-	-	48	48	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
State and local government	Personnel Supervisors/Managers																											
Level I																												
Private industry	116	40.0	1,043	1,063	945 - 1,136	-	-	-	-	11	1	31	22	19	11	5	-	-	-	-	-	-	-	-	-	-	-	
Goods-producing industries	82	40.0	1,104	1,103	1,027 - 1,190	-	-	-	-	2	1	16	30	27	16	7	-	-	-	-	-	-	-	-	-	-	-	
Manufacturing	34	40.0	895	936	779 - 955	-	-	-	-	32	-	68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Service-producing industries	Level II																											
State and local government	55	40.0	1,363	-	- - -	-	-	-	-	-	2	-	16	7	7	25	15	9	18	-	-	-	-	-	-	-	-	
Private industry	15	39.8	1,144	1,036	1,032 - 1,264	-	-	-	-	-	-	-	60	13	7	7	13	-	-	-	-	-	-	-	-	-	-	
State and local government																												

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: 5 percent at \$2,300 and under \$2,400; 5 percent at \$2,400 and under \$2,500; 2 percent at \$2,500 and under \$2,600; and 2 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, Detroit, MI, January 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	200 and under 250	250 - 300	300 - 350	350 - 400	400 - 450	450 - 500	500 - 550	550 - 600	600 - 650	650 - 700	700 - 750	750 - 800	800 - 850	850 - 900	900 - 950	950 - 1000	1000 - 1050	1050 - 1100	1100 - 1200	1200 - 1300	1300 - 1400		
TECHNICAL OCCUPATIONS																												
Computer Operators																												
Level II	533	39.8	\$470	\$461	\$400 - \$519	-	7	3	4	33	21	13	11	4	1	2	2	-	-	-	-	-	-	-	-	-	-	-
Private industry	494	39.8	467	457	400 - 517	-	7	3	4	34	20	14	8	4	1	2	2	-	-	-	-	-	-	-	-	-	-	-
Service-producing industries	448	39.8	462	461	400 - 515	-	8	3	3	33	22	14	9	4	1	2	(³)	-	-	-	-	-	-	-	-	-	-	-
State and local government	39	38.9	509	496	465 - 567	-	-	-	-	21	31	5	38	5	-	-	-	-	-	-	-	-	-	-	-	-	-	
Level III	406	39.7	607	594	522 - 663	-	-	-	2	(³)	11	23	16	19	15	3	2	1	2	4	(³)	-	-	-	-	-	-	
Private industry	355	39.9	611	594	520 - 663	-	-	-	-	1	12	23	14	16	17	4	2	1	3	5	1	-	-	-	-	-	-	
Service-producing industries	304	40.0	587	575	519 - 662	-	-	-	3	1	14	26	11	17	19	3	2	1	-	2	1	-	-	-	-	-	-	
State and local government	51	38.7	581	577	566 - 628	-	-	-	-	-	4	20	31	41	2	-	2	-	-	-	-	-	-	-	-	-	-	
Level IV	309	39.9	761	743	702 - 856	-	-	-	-	-	(³)	9	8	7	27	10	8	24	3	2	2	-	-	-	-	-	-	
Private industry	274	40.0	772	773	702 - 865	-	-	-	-	-	-	8	9	4	24	11	9	27	3	2	2	-	-	-	-	-	-	
Service-producing industries	240	40.0	754	745	702 - 856	-	-	-	-	-	-	10	10	4	28	12	8	28	(³)	-	-	-	-	-	-	-	-	
State and local government	35	39.0	676	673	673 - 734	-	-	-	-	-	3	17	-	31	49	-	-	-	-	-	-	-	-	-	-	-	-	
Drafters																												
Level I	252	40.0	405	400	373 - 440	-	-	20	24	36	16	4	-	(³)	-	-	-	-	-	-	-	-	-	-	-	-	-	
Private industry	245	40.0	404	400	373 - 435	-	-	20	24	34	16	4	-	(³)	-	-	-	-	-	-	-	-	-	-	-	-	-	
State and local government	7	39.6	438	-	-	-	-	-	14	86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Level II	942	40.0	480	500	388 - 560	1	4	14	8	7	15	25	13	9	2	(³)	(³)	(³)	1	(³)	-	-	-	-	-	-	-	
Private industry	917	40.0	478	500	388 - 560	1	4	15	8	7	16	23	13	10	2	(³)	(³)	(³)	1	(³)	-	-	-	-	-	-	-	
Goods-producing industries	299	40.0	529	500	460 - 580	-	-	9	-	7	22	22	20	11	4	1	(³)	1	2	1	-	-	-	-	-	-	-	
Manufacturing	265	40.0	533	500	451 - 580	-	-	10	-	8	25	12	22	13	4	2	(³)	1	3	1	-	-	-	-	-	-	-	
Service-producing industries	618	40.0	454	480	360 - 540	1	6	17	12	7	12	24	10	9	2	-	-	-	-	-	-	-	-	-	-	-	-	
State and local government	25	40.0	527	521	521 - 521	-	-	-	-	-	12	80	-	-	8	-	-	-	-	-	-	-	-	-	-	-	-	
Level III	1,625	40.0	623	628	540 - 710	-	-	-	-	6	6	19	10	15	17	13	6	7	(³)	(³)	-	-	-	-	-	-	-	
Private industry	1,604	40.0	624	631	540 - 710	-	-	-	-	6	6	20	9	15	17	13	6	7	(³)	(³)	-	-	-	-	-	-	-	
Goods-producing industries	610	40.0	671	669	600 - 724	-	-	-	-	-	1	12	11	15	25	17	7	10	1	1	-	-	-	-	-	-	-	
Manufacturing	610	40.0	671	669	600 - 724	-	-	-	-	-	1	12	11	15	25	17	7	10	1	1	-	-	-	-	-	-	-	
Service-producing industries	994	40.0	594	580	508 - 680	-	-	-	-	10	9	24	7	14	13	11	6	6	-	-	-	-	-	-	-	-	-	
Level IV	2,655	40.0	904	865	740 - 1,093	-	-	-	-	-	2	2	3	8	14	8	10	7	3	3	5	10	17	6	1	-		
Private industry	2,650	40.0	905	865	740 - 1,093	-	-	-	-	-	2	2	3	8	14	8	10	8	3	3	5	10	17	6	1	-		
Engineering Technicians																												
Level III	948	40.0	730	725	646 - 824	-	-	-	-	-	1	10	14	14	16	13	18	12	1	-	-	-	-	-	-	-	-	
Private industry	937	40.0	731	729	657 - 824	-	-	-	-	-	1	10	14	14	16	13	18	12	1	-	-	-	-	-	-	-	-	
Goods-producing industries	785	40.0	749	762	673 - 830	-	-	-	-	-	1	8	8	15	15	15	22	15	1	-	-	-	-	-	-	-	-	
Manufacturing	785	40.0	749	762	673 - 830	-	-	-	-	-	1	8	8	15	15	15	22	15	1	-	-	-	-	-	-	-	-	
Level IV	2,478	40.0	851	865	762 - 932	-	-	-	-	-	-	-	2	6	11	12	11	21	17	14	4	(³)	(³)	-	-	-		
Private industry	2,472	40.0	851	865	764 - 932	-	-	-	-	-	-	-	2	6	11	12	11	21	17	14	4	(³)	(³)	-	-	-		
Goods-producing industries	2,260	40.0	858	874	773 - 937	-	-	-	-	-	-	-	3	6	11	10	10	22	18	15	5	(³)	(³)	-	-	-		
Manufacturing	2,260	40.0	858	874	773 - 937	-	-	-	-	-	-	-	3	6	11	10	10	22	18	15	5	(³)	(³)	-	-	-		

See footnotes at end of table.

Table A-2. All establishments: Weekly hours and pay of technical and protective service occupations, Detroit, MI, January 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	200 and under 250	250 - 300	300 - 350	350 - 400	400 - 450	450 - 500	500 - 550	550 - 600	600 - 650	650 - 700	700 - 750	750 - 800	800 - 850	850 - 900	900 - 950	950 - 1000	1000 - 1050	1050 - 1100	1100 - 1200	1200 - 1300	1300 - 1400	
Level V	1,972	40.0	\$976	\$1,000	\$913 - \$1,064	-	-	-	-	-	-	-	-	-	1	1	3	4	4	8	15	13	22	14	14	1	-
Private industry	1,971	40.0	976	1,000	913 - 1,064	-	-	-	-	-	-	-	-	-	1	1	3	4	4	8	15	13	22	14	14	1	-
Goods-producing industries	1,521	40.0	967	987	891 - 1,063	-	-	-	-	-	-	-	-	-	2	1	4	5	5	8	14	12	19	14	15	-	-
Manufacturing	1,521	40.0	967	987	891 - 1,063	-	-	-	-	-	-	-	-	-	2	1	4	5	5	8	14	12	19	14	15	-	-
Engineering Technicians, Civil																											
Level I	35	40.0	457	466	418 - 514	-	-	17	6	14	23	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
State and local government	35	40.0	457	466	418 - 514	-	-	17	6	14	23	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Level II	74	40.0	517	-	- - -	-	-	-	-	4	31	47	14	3	1	-	-	-	-	-	-	-	-	-	-	-	-
State and local government	70	40.0	521	519	486 - 544	-	-	-	-	1	30	50	14	3	1	-	-	-	-	-	-	-	-	-	-	-	-
Level III	215	40.0	632	656	582 - 656	-	-	-	-	-	1	8	33	6	37	6	3	6	-	-	-	-	-	-	-	-	-
State and local government	209	40.0	636	656	582 - 656	-	-	-	-	-	(³)	7	33	6	38	6	3	6	-	-	-	-	-	-	-	-	-
Level IV	59	40.0	747	736	722 - 750	-	-	-	-	-	-	-	-	-	2	64	20	14	-	-	-	-	-	-	-	-	-
State and local government	59	40.0	747	736	722 - 750	-	-	-	-	-	-	-	-	-	2	64	20	14	-	-	-	-	-	-	-	-	-
Level V:																											
State and local government	13	40.0	799	-	- - -	-	-	-	-	-	-	-	-	-	-	-	85	15	-	-	-	-	-	-	-	-	-
PROTECTIVE SERVICE OCCUPATIONS																											
Corrections Officers	978	40.0	618	662	540 - 662	-	-	-	-	4	5	21	15	2	42	-	9	3	-	-	-	-	-	-	-	-	-
State and local government	978	40.0	618	662	540 - 662	-	-	-	-	4	5	21	15	2	42	-	9	3	-	-	-	-	-	-	-	-	-
Firefighters	1,516	50.2	672	701	628 - 736	-	-	-	1	3	-	9	9	9	11	53	2	3	-	-	-	-	-	-	-	-	-
State and local government	1,510	50.3	672	701	628 - 736	-	-	-	1	3	-	9	9	9	11	53	2	3	-	-	-	-	-	-	-	-	-
Police Officers																											
Level I	6,587	40.0	698	736	600 - 775	-	-	-	-	5	2	5	11	9	2	39	11	5	8	2	-	-	-	-	-	-	-
State and local government	6,489	40.0	700	736	600 - 778	-	-	-	-	5	2	5	10	9	2	40	11	5	8	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, Detroit, MI, January 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	225 and under 250	250 - 275	275 - 300	300 - 325	325 - 350	350 - 375	375 - 400	400 - 450	450 - 500	500 - 550	550 - 600	600 - 650	650 - 700	700 - 750	750 - 800	800 - 900	900 - 1000	1000 - 1100	1100 - 1200	1200 - 1300	1300 - 1400		
Clerks, Accounting																												
Level I	425	39.6	\$309	\$300	\$280 - \$327	3	11	36	24	19	2	(³)	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Private industry	412	39.6	307	293	280 - 327	3	11	37	22	19	1	(³)	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Service-producing industries	404	39.6	308	296	280 - 327	3	10	37	23	20	1	(³)	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Level II	2,759	39.8	382	375	331 - 425	1	3	4	14	13	14	11	21	10	5	1	1	-	(³)	-	-	-	-	-	-	-	-	-
Private industry	2,665	39.8	379	370	330 - 416	1	3	4	15	13	14	11	21	10	4	(³)	2	-	(³)	-	-	-	-	-	-	-	-	-
Goods-producing industries	1,138	39.9	374	360	326 - 412	1	2	7	14	18	11	7	26	10	3	1	(³)	-	-	-	-	-	-	-	-	-	-	-
Service-producing industries	1,527	39.7	383	375	330 - 422	1	4	3	15	9	17	15	18	10	5	(³)	2	-	(³)	-	-	-	-	-	-	-	-	-
State and local government	94	38.7	475	514	402 - 530	-	-	-	2	11	11	15	7	38	16	-	-	-	-	-	-	-	-	-	-	-	-	-
Level III	1,841	39.6	475	479	405 - 544	-	-	-	1	6	5	10	22	13	18	18	7	-	-	-	-	-	-	-	-	-	-	-
Private industry	1,334	39.7	452	440	384 - 510	-	-	-	1	8	6	12	28	16	14	10	4	-	-	-	-	-	-	-	-	-	-	-
Goods-producing industries	548	39.8	466	442	420 - 514	-	-	-	-	-	7	7	41	12	17	17	(³)	-	-	-	-	-	-	-	-	-	-	-
Manufacturing	548	39.8	466	442	420 - 514	-	-	-	-	-	7	7	41	12	17	17	(³)	-	-	-	-	-	-	-	-	-	-	-
Service-producing industries	786	39.7	442	425	379 - 496	-	-	-	2	14	6	17	19	20	11	6	6	-	-	-	-	-	-	-	-	-	-	-
State and local government	507	39.3	537	560	515 - 570	-	-	-	-	-	1	3	8	6	30	37	14	-	-	-	-	-	-	-	-	-	-	-
Level IV	490	39.8	607	569	472 - 660	-	-	-	-	-	(³)	10	8	13	14	19	7	4	4	1	3	16	-	-	-	-	-	
Private industry:																												
Service-producing industries	223	39.9	485	471	423 - 548	-	-	-	-	-	1	22	17	18	22	12	6	2	-	-	-	-	-	-	-	-	-	
State and local government	107	39.1	556	587	501 - 591	-	-	-	-	-	-	-	1	23	16	48	1	11	-	-	-	-	-	-	-	-	-	
Clerks, General																												
Level I	140	39.5	318	300	298 - 335	1	1	46	19	16	8	2	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
State and local government	91	39.5	318	298	298 - 335	-	-	60	7	18	8	1	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Level II:																												
Private industry:																												
Goods-producing industries	161	40.0	300	280	280 - 312	7	-	58	22	7	-	2	2	-	-	-	-	-	-	-	1	-	-	-	-	-	-	
Manufacturing	127	40.0	306	290	280 - 312	9	-	47	28	9	-	3	2	-	-	-	-	-	-	-	2	-	-	-	-	-	-	
State and local government	266	39.5	374	350	338 - 407	-	-	-	5	43	20	5	17	7	2	-	-	-	-	-	-	-	-	-	-	-	-	
Level III	4,447	39.6	433	419	342 - 498	-	-	2	4	21	5	8	21	18	9	6	4	1	(³)	1	(³)	-	-	-	-	-	-	
Private industry	2,881	39.9	401	378	332 - 423	-	-	3	6	32	7	10	21	9	2	1	4	1	(³)	2	(³)	-	-	-	-	-	-	
State and local government	1,566	39.0	491	498	449 - 515	-	-	-	-	1	2	4	20	34	21	16	2	-	-	-	-	-	-	-	-	-	-	
Level IV	1,973	39.9	542	512	466 - 638	-	-	-	-	-	5	4	12	27	12	9	8	11	5	6	1	(³)	-	-	-	-	-	
Private industry:																												
Goods-producing industries	406	40.0	629	634	530 - 763	-	-	-	-	-	-	-	9	9	15	12	8	9	10	27	2	-	-	-	-	-	-	
Manufacturing	406	40.0	629	634	530 - 763	-	-	-	-	-	-	-	9	9	15	12	8	9	10	27	2	-	-	-	-	-	-	
Service-producing industries	910	40.0	538	533	419 - 654	-	-	-	-	-	11	7	14	13	10	6	12	18	7	1	(³)	(³)	-	-	-	-	-	
State and local government	657	39.8	494	477	477 - 514	-	-	-	-	-	-	2	11	58	13	12	3	1	-	-	-	-	-	-	-	-	-	
Key Entry Operators																												
Level I	369	39.9	349	339	320 - 379	-	1	7	27	23	12	8	20	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Private industry	356	40.0	347	339	317 - 379	-	1	8	27	23	12	8	21	(³)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Service-producing industries	294	40.0	348	339	324 - 379	-	2	9	23	24	15	10	18	(³)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Level II:																												
State and local government	138	40.0	559	560	560 - 560	-	-	-	-	-	-	-	-	2	3	92	3	-	-	-	-	-	-	-	-	-	-	

See footnotes at end of table.

Table A-3. All establishments: Weekly hours and pay of clerical occupations, Detroit, MI, January 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	225 and under 250	250 - 275	275 - 300	300 - 325	325 - 350	350 - 375	375 - 400	400 - 450	450 - 500	500 - 550	550 - 600	600 - 650	650 - 700	700 - 750	750 - 800	800 - 900	900 - 1000	1000 - 1100	1100 - 1200	1200 - 1300	1300 - 1400			
Personnel Assistants (Employment)																													
Level II	145	39.7	\$435	\$404	\$372 - \$473	-	-	-	-	14	14	9	20	26	9	3	3	1	1	-	-	-	-	-	-	-	-	-	-
Private industry	122	40.0	418	400	372 - 473	-	-	-	-	17	17	8	23	29	2	2	-	1	1	-	-	-	-	-	-	-	-	-	
State and local government	23	37.9	526	531	482 - 598	-	-	-	-	-	-	13	4	9	43	13	17	-	-	-	-	-	-	-	-	-	-	-	
Level III	99	39.7	492	477	424 - 501	-	-	-	-	2	9	23	32	18	-	4	5	6	-	-	-	-	-	-	-	-	-	-	
Private industry	77	40.0	456	-	- - -	-	-	-	-	3	12	29	35	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Service-producing industries	71	40.0	457	-	- - -	-	-	-	-	3	13	23	38	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
State and local government	22	38.8	620	654	491 - 730	-	-	-	-	-	-	5	23	5	-	18	23	27	-	-	-	-	-	-	-	-	-	-	
Secretaries																													
Level I	1,081	39.7	500	501	417 - 587	-	-	-	(³)	2	3	15	19	11	12	34	2	3	(³)	-	-	-	-	-	-	-	-	-	
Private industry	693	39.5	460	442	395 - 501	-	-	-	(³)	3	4	23	26	17	15	4	3	4	1	-	-	-	-	-	-	-	-	-	
Goods-producing industries	270	40.0	519	516	438 - 584	-	-	-	-	-	-	9	21	13	27	10	7	10	1	-	-	-	-	-	-	-	-	-	
Manufacturing	270	40.0	519	516	438 - 584	-	-	-	-	-	-	9	21	13	27	10	7	10	1	-	-	-	-	-	-	-	-	-	
Service-producing industries	423	39.1	422	415	385 - 459	-	-	-	(³)	5	7	31	30	20	7	(³)	-	-	-	-	-	-	-	-	-	-	-	-	
State and local government	388	40.0	571	587	586 - 587	-	-	-	-	-	-	6	1	7	86	-	-	-	-	-	-	-	-	-	-	-	-	-	
Level II	2,078	39.6	510	510	457 - 552	-	-	-	(³)	1	(³)	4	17	20	33	10	13	2	(³)	-	-	-	-	-	-	-	-	-	
Private industry	1,583	39.8	492	500	451 - 523	-	-	-	1	1	(³)	4	19	25	36	8	5	(³)	-	-	-	-	-	-	-	-	-	-	
Service-producing industries	1,549	39.8	491	499	451 - 523	-	-	-	1	1	(³)	4	19	26	36	8	5	(³)	-	-	-	-	-	-	-	-	-	-	
State and local government	495	39.1	568	579	521 - 628	-	-	-	-	(³)	3	11	4	20	16	39	6	2	-	-	-	-	-	-	-	-	-	-	
Level III	2,960	39.4	620	606	528 - 729	-	-	-	(³)	(³)	(³)	(³)	(³)	6	12	12	16	14	9	9	13	8	-	-	-	-	-	-	
Private industry	2,426	39.6	627	605	522 - 748	-	-	-	(³)	(³)	(³)	(³)	(³)	6	12	14	14	10	8	10	15	10	-	-	-	-	-	-	
Goods-producing industries	1,273	40.0	684	725	575 - 763	-	-	-	-	(³)	-	(³)	2	8	10	7	8	9	11	25	18	-	-	-	-	-	-	-	
Manufacturing	1,273	40.0	684	725	575 - 763	-	-	-	-	(³)	-	(³)	2	8	10	7	8	9	11	25	18	-	-	-	-	-	-	-	
Service-producing industries	1,153	39.3	563	554	487 - 630	-	-	-	(³)	1	(³)	(³)	11	16	18	22	11	6	9	4	1	-	-	-	-	-	-		
State and local government	534	38.4	590	608	568 - 618	-	-	-	-	-	-	7	9	6	23	37	14	2	2	-	-	-	-	-	-	-	-	-	
Level IV	1,061	39.6	628	627	552 - 682	-	-	-	-	-	-	1	6	17	16	14	24	11	3	7	(³)	-	-	-	-	-	-	-	
Private industry	869	39.7	618	612	540 - 671	-	-	-	-	-	-	2	7	20	19	9	24	8	3	7	-	-	-	-	-	-	-	-	
Goods-producing industries	62	39.2	666	-	- - -	-	-	-	-	-	-	-	-	35	5	5	2	34	6	13	-	-	-	-	-	-	-	-	
Manufacturing	62	39.2	666	-	- - -	-	-	-	-	-	-	-	-	35	5	5	2	34	6	13	-	-	-	-	-	-	-	-	
Service-producing industries	807	39.7	614	606	538 - 653	-	-	-	-	-	-	2	8	19	20	10	26	6	3	6	-	-	-	-	-	-	-	-	
State and local government	192	39.1	675	652	627 - 739	-	-	-	-	-	-	-	-	3	6	35	23	24	1	7	1	-	-	-	-	-	-	-	
Level V	348	40.0	873	898	736 - 972	-	-	-	-	-	-	-	-	-	1	5	12	7	7	18	31	13	3	-	2	-	-		
Private industry	330	40.0	886	904	774 - 975	-	-	-	-	-	-	-	-	-	1	2	13	7	7	19	33	14	3	-	2	-	-		
Service-producing industries	102	39.9	755	718	698 - 809	-	-	-	-	-	-	-	-	-	2	4	34	19	12	21	8	1	-	-	-	-	-		
Switchboard Operator-Receptionists:																													
Private industry:																													
Goods-producing industries	315	40.0	369	355	320 - 400	-	-	-	31	9	12	15	23	7	3	-	-	-	-	-	-	-	-	-	-	-	-	-	
Manufacturing	291	40.0	373	378	320 - 400	-	-	-	30	5	13	16	25	7	3	-	-	-	-	-	-	-	-	-	-	-	-	-	
State and local government	83	39.6	506	507	494 - 552	-	-	-	2	-	-	-	14	17	41	25	-	-	-	-	-	-	-	-	-	-	-	-	

See footnotes at end of table.

Table A-3. All establishments: Weekly hours and pay of clerical occupations, Detroit, MI, January 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	225 and under 250	250 - 275	275 - 300	300 - 325	325 - 350	350 - 375	375 - 400	400 - 450	450 - 500	500 - 550	550 - 600	600 - 650	650 - 700	700 - 750	750 - 800	800 - 900	900 - 1000	1000 - 1100	1100 - 1200	1200 - 1300	1300 - 1400
Word Processors																										
Level I	51	39.9	\$420	-	- - -	-	-	-	-	6	12	6	65	10	2	-	-	-	-	-	-	-	-	-	-	-
State and local government	13	40.0	439	-	- - -	-	-	-	-	-	23	8	23	38	8	-	-	-	-	-	-	-	-	-	-	-
Level II	191	39.7	480	\$526	\$363 - \$560	-	3	-	3	11	14	4	6	6	16	23	7	6	1	1	-	-	-	-	-	-
Private industry	143	39.5	458	417	354 - 526	-	4	-	4	15	18	5	8	3	20	3	10	8	1	1	-	-	-	-	-	-
Service-producing industries	105	39.4	397	363	334 - 483	-	6	-	6	20	25	7	11	3	23	-	-	-	-	-	-	-	-	-	-	-
Level III	123	40.0	638	670	555 - 733	-	-	-	-	-	-	-	-	12	6	6	15	2	24	15	18	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-4. All establishments: Hourly pay of maintenance and toolroom occupations, Detroit, MI, January 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 - 9.00	9.00 - 10.00	10.00 - 11.00	11.00 - 12.00	12.00 - 13.00	13.00 - 14.00	14.00 - 15.00	15.00 - 16.00	16.00 - 17.00	17.00 - 18.00	18.00 - 19.00	19.00 - 20.00	20.00 - 21.00	21.00 - 22.00	22.00 - 23.00	23.00 - 24.00	24.00 - 25.00	25.00 - 26.00	26.00 and over		
General Maintenance Workers	973	\$11.24	\$11.06	\$8.00 - \$13.74	2	7	1	4	16	9	8	9	13	10	8	5	5	3	-	-	-	-	-	-	-	-	-	-	-
Private industry	736	10.14	9.82	8.00 - 12.22	3	10	2	5	21	13	10	11	10	11	1	4	-	1	-	-	-	-	-	-	-	-	-	-	
Goods-producing industries	88	11.96	11.00	10.88 - 13.27	-	-	-	-	-	-	-	47	14	-	16	-	-	-	-	-	-	-	-	-	-	-	-	-	
Manufacturing	88	11.96	11.00	10.88 - 13.27	-	-	-	-	-	-	-	47	14	-	16	-	-	-	-	-	-	-	-	-	-	-	-	-	
State and local government	237	14.65	14.15	13.86 - 16.84	-	-	-	-	-	-	-	-	1	22	8	32	11	19	8	-	-	-	-	-	-	-	-	-	
Maintenance Electricians	4,031	21.24	21.92	21.90 - 21.98	-	-	-	-	-	-	-	-	-	1	(²)	1	3	2	4	5	4	67	10	2	-	-	-	-	
Private industry	3,780	21.31	21.98	21.90 - 21.98	-	-	-	-	-	-	-	-	-	1	1	1	3	2	4	4	4	70	11	(²)	-	-	-	-	
Goods-producing industries	3,531	21.44	21.98	21.90 - 21.98	-	-	-	-	-	-	-	-	-	1	(²)	1	3	1	1	3	4	74	11	-	-	-	-	-	
Manufacturing	3,531	21.44	21.98	21.90 - 21.98	-	-	-	-	-	-	-	-	-	1	(²)	1	3	1	1	3	4	74	11	-	-	-	-	-	
Service-producing industries	249	19.40	18.97	18.36 - 21.20	-	-	-	-	-	-	-	-	-	-	1	2	2	10	47	8	-	22	2	3	-	-	-	-	
State and local government	251	20.22	19.69	19.47 - 21.84	-	-	-	-	-	-	-	-	-	5	(²)	6	6	1	1	33	5	18	3	21	-	-	-	-	
Maintenance Electronics Technicians																													
Level I:																													
State and local government	13	12.68	-	-	-	-	-	-	-	-	15	38	8	15	8	8	-	8	-	-	-	-	-	-	-	-	-	-	-
Level II	642	17.89	18.77	17.06 - 19.30	-	-	-	-	-	-	-	1	1	4	7	6	6	20	7	44	4	(²)	(²)	(²)	(²)	(²)	(²)	-	
Private industry	590	19.19	19.19	17.31 - 19.30	-	-	-	-	-	-	-	1	2	4	6	5	5	21	5	47	4	(²)	(²)	(²)	(²)	(²)	(²)	-	
Service-producing industries	273	16.79	17.15	14.89 - 19.19	-	-	-	-	-	-	-	2	3	8	13	11	11	15	10	26	(²)	-	(²)	(²)	(²)	(²)	-	-	
State and local government	52	17.05	16.55	15.47 - 18.77	-	-	-	-	-	-	-	-	-	4	15	17	13	6	29	12	2	2	-	-	-	-	-	-	
Level III	187	21.32	20.33	19.23 - 23.02	-	-	-	-	-	-	-	-	-	-	1	3	4	14	18	12	19	4	4	4	-	4	17		
Private industry	180	20.59	19.23	23.02	-	-	-	-	-	-	-	-	-	-	1	2	4	12	19	13	19	4	4	4	-	4	18		
Service-producing industries	139	21.60	20.88	18.97 - 25.35	-	-	-	-	-	-	-	-	-	-	1	3	6	16	9	17	13	5	6	-	4	322			
State and local government	7	18.28	-	-	-	-	-	-	-	-	-	-	-	-	-	29	-	57	-	14	-	-	-	-	-	-	-		
Maintenance Machinists	285	18.51	19.18	15.23 - 21.77	-	-	-	-	-	-	-	-	-	-	1	42	3	4	-	8	2	27	14	-	-	-	-	-	
Private industry	268	18.55	19.28	15.23 - 21.77	-	-	-	-	-	-	-	-	-	-	1	45	3	-	-	6	2	29	15	-	-	-	-	-	
Goods-producing industries	215	17.97	15.23	15.23 - 21.77	-	-	-	-	-	-	-	-	-	-	1	56	-	-	-	5	-	36	3	-	-	-	-	-	
Manufacturing	215	17.97	15.23	15.23 - 21.77	-	-	-	-	-	-	-	-	-	-	1	56	-	-	-	5	-	36	3	-	-	-	-	-	
State and local government	17	17.95	17.01	17.01 - 19.18	-	-	-	-	-	-	-	-	-	-	-	-	-	59	-	41	-	-	-	-	-	-	-	-	
Maintenance Mechanics, Machinery	2,923	20.00	21.77	17.84 - 21.90	-	-	-	-	-	-	-	(²)	(²)	4	3	5	4	15	2	4	1	62	1	-	-	-	-	-	
Private industry	2,807	20.16	21.77	17.91 - 21.90	-	-	-	-	-	-	-	-	-	4	3	5	2	15	1	4	1	64	1	-	-	-	-	-	
Goods-producing industries	2,665	20.24	21.88	17.91 - 21.90	-	-	-	-	-	-	-	-	-	4	3	5	2	14	(²)	2	1	67	1	-	-	-	-	-	
Manufacturing	2,665	20.24	21.88	17.91 - 21.90	-	-	-	-	-	-	-	-	-	4	3	5	2	14	(²)	2	1	67	1	-	-	-	-	-	
Service-producing industries	142	18.75	18.16	17.66 - 19.82	-	-	-	-	-	-	-	-	-	-	6	-	34	15	35	-	10	-	-	-	-	-	-	-	
State and local government	116	15.92	16.37	15.72 - 16.37	-	-	-	-	-	-	-	1	12	2	5	15	48	3	14	-	-	-	-	-	-	-	-	-	
Maintenance Mechanics, Motor Vehicle	3,701	17.80	17.50	15.45 - 19.82	-	-	-	-	-	-	1	(²)	-	3	1	27	14	8	15	6	(²)	22	2	-	-	-	-	-	
Private industry	2,431	18.82	18.19	16.75 - 21.65	-	-	-	-	-	-	2	(²)	-	4	1	4	14	8	20	10	1	34	3	-	-	-	-	-	
Goods-producing industries	912	20.07	21.65	18.65 - 21.68	-	-	-	-	-	-	-	-	-	2	(²)	9	4	5	9	5	-	65	1	-	-	-	-	-	
Manufacturing	780	20.58	21.65	21.65 - 21.68	-	-	-	-	-	-	-	-	-	3	(²)	5	1	5	3	6	-	76	1	-	-	-	-	-	
Service-producing industries	1,519	18.08	18.19	16.25 - 19.82	-	-	-	-	-	-	3	1	-	5	1	1	20	10	27	12	1	15	4	-	-	-	-	-	
State and local government	1,270	15.84	15.45	15.42 - 16.12	-	-	-	-	-	-	-	-	-	-	2	72	14	7	5	(²)	-	-	-	-	-	-	-	-	
Maintenance Pipefitters	1,860	21.24	21.65	21.65 - 21.73	-	-	-	-	-	-	-	-	-	-	1	-	(²)	(²)	6	10	(²)	77	5	-	-	-	-	-	
Private industry	1,844	21.26	21.65	21.65 - 21.73	-	-	-	-	-	-	-	-	-	-	1	-	(²)	-	6	10	(²)	78	5	-	-	-	-	-	
Goods-producing industries	1,833	21.27	21.65	21.65 - 21.73	-	-	-	-	-	-	-	-	-	-	1	-	-	-	6	10	(²)	78	5	-	-	-	-	-	
Manufacturing	1,767	21.23	21.65	21.65 - 21.73	-	-	-	-	-	-	-	-	-	-	1	-	-	-	6	11	(²)	81	1	-	-	-	-	-	
State and local government	16	19.28	18.20	18.20 - 22.30	-	-	-	-	-	-	-	-	-	-	-	-	6	13	50	-	-	31	-	-	-	-	-	-	

See footnotes at end of table.

Table A-4. All establishments: Hourly pay of maintenance and toolroom occupations, Detroit, MI, January 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	6.00 and under 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 - 23.00	23.00 - 24.00	24.00 - 25.00	25.00 - 26.00	26.00 and over	
Tool and Die Makers	4,336	\$20.32	\$21.98	\$19.07 - \$21.99	-	-	-	-	-	-	-	-	-	(²)	6	1	3	11	1	15	-	62	(²)	-	-	-	-	-
Private industry	4,335	20.32	21.98	19.07 - 21.99	-	-	-	-	-	-	-	-	-	(²)	6	1	3	11	1	15	-	62	(²)	-	-	-	-	-
Goods-producing industries	4,335	20.32	21.98	19.07 - 21.99	-	-	-	-	-	-	-	-	-	(²)	6	1	3	11	1	15	-	62	(²)	-	-	-	-	-
Manufacturing	4,335	20.32	21.98	19.07 - 21.99	-	-	-	-	-	-	-	-	-	(²)	6	1	3	11	1	15	-	62	(²)	-	-	-	-	-

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.

³ All workers were at \$26.00 and under \$27.00.

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

Table A-5. All establishments: Hourly pay of material movement and custodial occupations, Detroit, MI, January 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	5,708	\$15.74	\$18.66	\$12.50 - \$18.81	-	-	1	-	(²)	2	5	1	6	4	1	2	5	1	5	6	6	-	36	19	(²)	-	-
Private industry	5,708	15.74	18.66	12.50 - 18.81	-	-	1	-	(²)	2	5	1	6	4	1	2	5	1	5	6	6	-	36	19	(²)	-	-
Goods-producing industries	4,622	15.83	18.66	13.33 - 18.81	-	-	1	-	(²)	1	6	1	6	5	-	-	5	1	6	6	8	-	31	24	(²)	-	-
Manufacturing	4,622	15.83	18.66	13.33 - 18.81	-	-	1	-	(²)	1	6	1	6	5	-	-	5	1	6	6	8	-	31	24	(²)	-	-
Service-producing industries	1,086	15.39	18.81	11.22 - 18.81	-	-	(²)	-	-	6	3	-	5	1	4	12	2	1	2	8	-	57	-	-	-	-	
Guards																											
Level I	5,195	6.75	6.00	5.50 - 7.00	(²)	7	9	30	19	8	5	3	5	3	3	4	1	1	(²)	(²)	1	-	-	(²)	-	-	-
Private industry	5,019	6.59	6.00	5.50 - 6.75	(²)	7	10	31	20	8	6	3	6	3	2	2	1	(²)	(²)	(²)	1	-	-	(²)	-	-	-
Service-producing industries	4,962	6.49	6.00	5.50 - 6.50	(²)	7	10	32	20	8	6	3	6	3	2	2	1	(²)	(²)	(²)	-	-	-	-	-	-	-
State and local government	176	11.35	11.42	10.98 - 11.66	-	-	-	-	-	-	-	-	1	2	31	60	2	5	-	-	-	-	-	-	-	-	-
Level II	1,043	13.58	13.80	12.05 - 14.60	-	-	-	-	-	-	-	-	2	5	3	10	17	15	26	12	7	1	2	-	(²)	(²)	-
Private industry	804	13.58	13.80	12.13 - 15.53	-	-	-	-	-	-	-	-	2	6	4	12	13	19	16	15	9	1	2	-	(²)	(²)	-
Service-producing industries	744	13.41	13.80	11.95 - 14.57	-	-	-	-	-	-	-	-	3	7	4	13	14	20	17	8	9	1	2	-	1	(²)	-
State and local government	239	13.57	14.14	12.05 - 14.48	-	-	-	-	-	-	-	-	-	-	(²)	4	31	2	62	-	-	-	-	-	-	-	-
Janitors	19,421	9.21	8.00	5.95 - 11.89	2	6	12	6	9	4	4	6	10	7	7	1	1	7	5	1	3	(²)	7	(²)	-	-	-
Private industry	15,548	8.32	7.00	5.50 - 9.10	2	7	16	8	11	5	5	7	13	9	3	1	(²)	(²)	1	1	1	(²)	9	(²)	-	-	-
Goods-producing industries	2,459	14.46	18.29	8.75 - 18.32	-	-	-	(²)	-	-	4	13	8	6	1	2	2	3	3	(²)	2	-	55	1	-	-	-
Manufacturing	2,459	14.46	18.29	8.75 - 18.32	-	-	-	(²)	-	-	4	13	8	6	1	2	2	3	3	(²)	2	-	55	1	-	-	-
Service-producing industries	13,089	7.16	6.33	5.25 - 8.55	3	8	18	9	13	6	5	6	14	9	3	(²)	(²)	(²)	1	1	1	(²)	1	-	-	-	-
State and local government	3,873	12.79	13.18	10.80 - 14.46	-	-	-	-	-	(²)	2	1	1	25	3	5	35	18	(²)	9	-	-	-	-	-	-	-
Material Handling Laborers	1,948	14.34	15.97	10.20 - 18.48	-	-	-	2	(²)	4	9	2	7	1	2	1	1	1	14	24	-	-	32	(²)	-	-	-
Private industry	1,948	14.34	15.97	10.20 - 18.48	-	-	-	2	(²)	4	9	2	7	1	2	1	1	1	14	24	-	-	32	(²)	-	-	-
Goods-producing industries	756	15.78	18.48	11.40 - 18.82	-	-	-	-	-	9	5	-	7	-	1	3	1	(²)	1	-	-	-	71	1	-	-	-
Manufacturing	756	15.78	18.48	11.40 - 18.82	-	-	-	-	-	9	5	-	7	-	1	3	1	(²)	1	-	-	-	71	1	-	-	-
Shipping/Receiving Clerks	1,966	13.05	12.25	10.00 - 18.92	-	-	-	(²)	(²)	8	6	6	2	13	5	24	2	2	6	1	-	6	20	(²)	(²)	-	-
Private industry	1,954	13.05	12.25	10.00 - 18.92	-	-	-	(²)	(²)	8	6	6	2	13	5	24	2	2	5	1	-	6	20	(²)	(²)	-	-
Goods-producing industries	1,577	13.33	12.25	10.00 - 18.92	-	-	-	-	-	9	6	4	1	14	5	23	2	3	2	(²)	-	7	24	(²)	(²)	-	-
Manufacturing	1,577	13.33	12.25	10.00 - 18.92	-	-	-	-	-	9	6	4	1	14	5	23	2	3	2	(²)	-	7	24	(²)	(²)	-	-
Service-producing industries	377	11.87	12.84	9.05 - 15.49	-	-	-	-	1	1	2	7	14	5	10	5	28	2	20	5	-	-	-	-	-	-	-
Truckdrivers																											
Light Truck:																											
Private industry:																											
Goods-producing industries	414	8.51	8.50	8.00 - 8.65	-	-	-	-	-	-	7	7	63	8	15	-	-	-	-	-	-	-	-	-	-	-	-
Manufacturing	414	8.51	8.50	8.00 - 8.65	-	-	-	-	-	-	7	7	63	8	15	-	-	-	-	-	-	-	-	-	-	-	-
State and local government	63	11.79	11.57	10.35 - 12.19	-	-	-	-	-	-	-	-	-	3	25	43	10	2	14	3	-	-	-	-	-	-	-
Medium Truck:																											
Private industry:																											
Goods-producing industries	845	12.71	12.50	11.00 - 15.00	-	-	-	-	-	-	-	-	-	13	7	23	9	-	16	31	-	-	-	-	-	-	-
Manufacturing	845	12.71	12.50	11.00 - 15.00	-	-	-	-	-	-	-	-	-	13	7	23	9	-	16	31	-	-	-	-	-	-	-
State and local government	100	15.38	14.48	14.46 - 17.55	-	-	-	-	-	-	-	-	-	-	-	-	-	20	44	-	8	28	-	-	-	-	

See footnotes at end of table.

Table A-5. All establishments: Hourly pay of material movement and custodial occupations, Detroit, MI, January 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	
Tractor Trailer	8,727	\$15.42	\$15.79	\$13.25 - \$16.75	-	-	-	-	-	-	-	-	(²)	8	2	6	3	13	(²)	41	3	2	1	3	17	(²)	(²)	
Private industry	8,726	15.42	15.79	13.25 - 16.75	-	-	-	-	-	-	-	-	(²)	8	2	6	3	13	(²)	41	3	2	1	3	17	(²)	(²)	
Goods-producing industries	810	16.97	16.75	15.34 - 20.00	-	-	-	-	-	-	-	-	-	-	4	10	-	-	4	11	25	9	4	2	28	(²)	1	
Manufacturing	711	17.16	16.75	16.25 - 20.48	-	-	-	-	-	-	-	-	-	-	4	12	-	-	-	8	28	6	5	3	32	1	1	
Service-producing industries	7,916	15.26	15.79	13.25 - 15.86	-	-	-	-	-	-	-	-	(²)	9	2	5	3	14	(²)	44	1	1	1	3	16	-	-	
Warehouse Specialists:																												
Private industry:																												
Goods-producing industries	1,777	13.41	13.25	9.00 - 18.66	-	-	-	-	9	-	2	2	11	7	10	4	4	2	5	1	16	-	21	6	-	-	-	
Manufacturing	1,699	13.42	13.25	8.80 - 18.92	-	-	-	-	10	-	2	2	12	7	10	4	3	2	2	1	17	-	22	7	-	-	-	
Service-producing industries	466	12.53	12.09	10.11 - 15.38	-	-	-	-	3	3	5	3	5	6	10	15	22	2	-	8	-	(²)	20	-	-	-	-	
State and local government	95	12.54	13.21	10.49 - 14.23	-	-	-	-	-	-	-	-	-	-	40	2	5	25	27	-	-	-	-	-	-	-	-	

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, Detroit, MI, January 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	350 and under 400	400 - 500	500 - 600	600 - 700	700 - 800	800 - 900	900 - 1000	1000 - 1100	1100 - 1200	1200 - 1300	1300 - 1400	1400 - 1500	1500 - 1600	1600 - 1700	1700 - 1800	1800 - 1900	1900 - 2000	2000 - 2100	2100 - 2200	2200 - 2300	2300 and over		
PROFESSIONAL OCCUPATIONS																												
Accountants																												
Level I	114	39.8	\$507	\$514	\$442 - \$554	-	46	44	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Private industry	66	39.9	531	-	- -	-	26	58	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
State and local government	48	39.5	474	461	441 - 506	-	75	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Level II	603	39.9	729	687	600 - 837	1	2	22	29	17	9	10	8	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
Private industry	500	40.0	754	721	623 - 896	1	2	14	31	18	9	12	10	3	-	-	-	-	-	-	-	-	-	-	-	-	-	
Goods-producing industries	264	40.0	835	837	684 - 996	2	-	6	21	15	13	20	18	5	-	-	-	-	-	-	-	-	-	-	-	-	-	
Manufacturing	264	40.0	835	837	684 - 996	2	-	6	21	15	13	20	18	5	-	-	-	-	-	-	-	-	-	-	-	-	-	
Service-producing industries	236	39.9	664	641	597 - 738	-	4	23	42	22	6	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
State and local government	103	39.6	606	577	538 - 644	-	-	60	20	13	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Level III	1,140	39.9	856	849	728 - 952	-	-	1	12	28	21	23	9	4	3	(³)	-	-	-	-	-	-	-	-	-	-	-	
Private industry	918	40.0	884	875	774 - 970	-	-	1	7	23	25	26	10	5	3	(³)	-	-	-	-	-	-	-	-	-	-	-	
Service-producing industries	308	39.9	799	779	716 - 860	-	-	(³)	15	39	30	11	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
State and local government	222	39.9	742	715	648 - 793	-	-	1	34	46	5	10	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Level IV	536	39.7	1,100	1,130	934 - 1,234	-	-	-	1	5	15	9	15	24	15	9	6	1	1	-	-	-	-	-	-	-	-	
Private industry	375	39.9	1,162	1,188	1,041 - 1,282	-	-	-	1	3	4	11	18	19	21	12	9	1	1	-	-	-	-	-	-	-	-	
Goods-producing industries	261	40.0	1,226	1,227	1,127 - 1,321	-	-	-	-	(³)	(³)	8	14	17	29	15	13	2	2	-	-	-	-	-	-	-	-	
Manufacturing	261	40.0	1,226	1,227	1,127 - 1,321	-	-	-	-	(³)	(³)	8	14	17	29	15	13	2	2	-	-	-	-	-	-	-	-	
Service-producing industries	114	39.8	1,016	1,041	921 - 1,120	-	-	-	2	9	12	18	28	23	4	4	-	-	-	-	-	-	-	-	-	-	-	
State and local government	161	39.2	956	856	832 - 1,140	-	-	-	2	11	42	3	6	34	-	1	-	-	-	-	-	-	-	-	-	-	-	
Level V	136	40.0	1,357	1,317	1,202 - 1,500	-	-	-	-	-	1	13	2	7	18	21	12	10	6	7	-	5	-	-	-	-		
Private industry	115	40.0	1,425	1,347	1,252 - 1,558	-	-	-	-	-	1	-	-	9	21	23	14	11	7	8	-	6	-	-	-	-		
Service-producing industries	65	39.9	1,338	-	-	-	-	-	-	-	2	-	-	12	26	29	12	12	-	6	-	-	-	-	-	-		
State and local government	21	40.0	985	967	936 - 967	-	-	-	-	-	-	81	14	-	-	5	-	-	-	-	-	-	-	-	-	-		
Attorneys																												
Level I:																												
State and local government	11	40.0	743	-	- -	-	-	-	27	55	9	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Level II	80	40.0	1,116	1,121	961 - 1,269	-	-	-	-	5	14	11	15	9	27	10	2	6	-	-	-	-	-	-	-	-	-	
Private industry	57	40.0	1,196	-	- -	-	-	-	-	-	9	5	12	39	14	4	9	-	-	-	-	-	-	-	-	-	-	
State and local government	23	40.0	918	941	812 - 1,007	-	-	-	17	26	17	39	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Level III	235	39.8	1,360	1,385	1,250 - 1,475	-	-	-	-	-	-	3	6	11	11	22	26	12	6	2	-	(³)	-	-	-	-		
Private industry	147	39.9	1,412	1,440	1,308 - 1,517	-	-	-	-	-	-	3	4	8	8	22	22	20	10	3	-	1	-	-	-	-		
Service-producing industries	104	39.9	1,369	1,389	1,250 - 1,485	-	-	-	-	-	-	4	6	12	8	25	22	16	8	-	-	-	-	-	-	-		
State and local government	88	39.6	1,275	1,307	1,172 - 1,410	-	-	-	-	-	-	3	9	17	16	22	33	-	-	-	-	-	-	-	-	-		
Level IV	167	39.9	1,565	1,521	1,415 - 1,649	-	-	-	-	-	-	-	-	-	7	11	17	26	17	10	5	5	2	1	-	-		
Private industry	103	39.9	1,630	1,628	1,476 - 1,733	-	-	-	-	-	-	-	-	-	4	9	16	16	20	16	8	8	3	2	-	-		
Service-producing industries	76	39.9	1,557	-	- -	-	-	-	-	-	-	-	-	-	5	12	21	20	24	12	3	1	3	-	-	-		
State and local government	64	39.8	1,459	1,508	1,397 - 1,510	-	-	-	-	-	-	-	-	-	11	14	20	42	13	-	-	-	-	-	-	-		
Level V	122	39.9	2,031	2,013	1,865 - 2,175	-	-	-	-	-	-	-	-	-	-	-	2	5	10	12	20	13	16	8	13			
Private industry	115	39.9	2,056	2,046	1,894 - 2,179	-	-	-	-	-	-	-	-	-	-	-	2	1	10	13	21	14	17	9	14			
State and local government	7	40.0	1,621	-	- -	-	-	-	-	-	-	-	-	-	-	-	14	71	14	-	-	-	-	-	-			

See footnotes at end of table.

Table A-6. Establishments employing 500 workers or more: Weekly hours and pay of professional and administrative occupations, Detroit, MI, January 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	350 and under 400	400 - 500	500 - 600	600 - 700	700 - 800	800 - 900	900 - 1000	1000 - 1100	1100 - 1200	1200 - 1300	1300 - 1400	1400 - 1500	1500 - 1600	1600 - 1700	1700 - 1800	1800 - 1900	1900 - 2000	2000 - 2100	2100 - 2200	2200 - 2300	2300 and over		
Engineers																												
Level I:																												
State and local government	16	40.0	\$539	\$549	\$527 - \$558	-	19	81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Level II																												
State and local government	37	40.0	623	577	567 - 659	-	-	51	38	5	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Level III																												
Private industry	5,341	40.0	974	961	889 - 1,054	-	-	(³)	2	4	22	33	21	11	5	1	-	-	-	-	-	-	-	-	-	-	-	-
Goods-producing industries	5,106	40.0	984	967	898 - 1,058	-	-	-	(³)	3	22	35	22	12	6	1	-	-	-	-	-	-	-	-	-	-	-	-
Manufacturing	4,210	40.0	992	969	901 - 1,071	-	-	-	(³)	2	23	35	20	13	7	1	-	-	-	-	-	-	-	-	-	-	-	-
Service-producing industries	4,210	40.0	992	969	901 - 1,071	-	-	-	(³)	2	23	35	20	13	7	1	-	-	-	-	-	-	-	-	-	-	-	-
State and local government	896	40.0	948	960	880 - 1,022	-	-	-	(³)	9	21	34	31	4	-	(³)	-	-	-	-	-	-	-	-	-	-	-	-
Level IV																												
Private industry	10,681	40.0	1,189	1,180	1,084 - 1,280	-	-	-	-	(³)	1	9	19	26	23	12	6	2	1	-	-	-	-	-	-	-	-	-
Goods-producing industries	10,563	40.0	1,192	1,182	1,087 - 1,281	-	-	-	-	(³)	(³)	8	20	27	24	12	6	2	1	-	-	-	-	-	-	-	-	-
Manufacturing	9,404	40.0	1,197	1,189	1,085 - 1,292	-	-	-	-	-	(³)	9	20	24	23	13	7	3	1	-	-	-	-	-	-	-	-	-
Service-producing industries	9,404	40.0	1,197	1,189	1,085 - 1,292	-	-	-	-	-	(³)	9	20	24	23	13	7	3	1	-	-	-	-	-	-	-	-	-
State and local government	1,159	40.0	1,152	1,155	1,098 - 1,207	-	-	-	(³)	1	5	19	46	25	3	1	-	-	-	-	-	-	-	-	-	-	-	-
Level V																												
Private industry	4,976	40.0	1,491	1,480	1,360 - 1,616	-	-	-	-	-	1	1	3	10	19	20	18	14	9	3	2	-	-	-	-	-	-	-
Goods-producing industries	4,892	40.0	1,497	1,485	1,365 - 1,618	-	-	-	-	-	-	1	3	10	19	21	19	15	9	3	2	-	-	-	-	-	-	-
Manufacturing	491	40.0	1,357	1,360	1,304 - 1,411	-	-	-	-	-	2	3	17	44	26	5	2	(³)	-	-	-	-	-	-	-	-	-	-
State and local government	84	39.9	1,122	1,116	967 - 1,250	-	-	-	-	-	32	8	30	13	17	-	-	-	-	-	-	-	-	-	-	-	-	-
Level VI																												
Private industry	335	40.0	1,801	1,843	1,681 - 1,932	-	-	-	-	-	-	3	-	2	1	3	7	11	14	27	19	7	4	2	-	-	-	-
State and local government	318	40.0	1,835	1,852	1,744 - 1,937	-	-	-	-	-	-	-	-	-	1	3	7	12	15	28	20	8	4	3	-	-	-	-
ADMINISTRATIVE OCCUPATIONS																												
Budget Analysts																												
Level I																												
State and local government	14	38.8	532	-	- - -	-	36	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Level II																												
State and local government	20	39.0	669	706	616 - 713	-	-	28	30	28	60	4	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Level III																												
State and local government	31	39.7	805	793	726 - 898	-	-	19	37	22	7	9	4	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buyers/Contracting Specialists																												
Level I																												
Private industry	86	39.9	602	580	520 - 646	2	-	62	26	3	3	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Goods-producing industries	81	40.0	604	580	520 - 655	2	-	59	27	4	4	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manufacturing	54	40.0	597	-	- - -	-	-	76	11	2	6	4	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table A-6. Establishments employing 500 workers or more: Weekly hours and pay of professional and administrative occupations, Detroit, MI, January 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	350 and under 400	400 - 500	500 - 600	600 - 700	700 - 800	800 - 900	900 - 1000	1000 - 1100	1100 - 1200	1200 - 1300	1300 - 1400	1400 - 1500	1500 - 1600	1600 - 1700	1700 - 1800	1800 - 1900	1900 - 2000	2000 - 2100	2100 - 2200	2200 - 2300	2300 and over	
Level III	2,130	39.9	\$1,161	\$1,145	\$1,038 - \$1,267	-	-	-	-	(³)	2	14	23	23	18	12	6	2	1	-	-	-	-	-	-	-	-
Private industry	2,070	40.0	1,166	1,152	1,046 - 1,271	-	-	-	-	(³)	2	13	23	23	18	12	6	2	1	-	-	-	-	-	-	-	
Service-producing industries	1,070	39.9	1,088	1,080	1,000 - 1,172	-	-	-	-	(³)	4	19	31	27	12	5	1	(³)	-	-	-	-	-	-	-	-	
State and local government	60	39.4	987	926	926 - 1,018	-	-	-	-	-	2	57	32	3	3	3	-	-	-	-	-	-	-	-	-	-	
Level IV	723	39.9	1,370	1,337	1,227 - 1,481	-	-	-	-	-	(³)	4	14	23	22	14	11	7	2	1	2	-	-	-	-	-	
Private industry	721	39.9	1,371	1,338	1,228 - 1,481	-	-	-	-	-	-	4	14	23	22	14	11	7	2	1	2	-	-	-	-	-	
Computer Systems Analyst Supervisors/Managers																											
Level I	309	40.0	1,163	1,131	1,004 - 1,318	-	-	-	-	(³)	6	17	18	20	10	14	7	3	3	(³)	-	-	-	-	-	-	-
Level II	296	39.9	1,418	1,381	1,224 - 1,591	-	-	-	-	(³)	1	6	13	15	19	14	9	9	3	6	4	-	-	-	-	-	
Private industry	284	40.0	1,428	1,389	1,236 - 1,592	-	-	-	-	(³)	1	5	13	14	19	15	9	10	4	7	4	-	-	-	-	-	
Service-producing industries	267	40.0	1,417	1,373	1,226 - 1,585	-	-	-	-	(³)	1	6	13	15	19	14	9	9	3	6	4	-	-	-	-	-	
State and local government	12	38.8	1,195	-	- - -	-	-	-	-	-	-	33	25	25	8	-	8	-	-	-	-	-	-	-	-	-	
Personnel Specialists																											
Level I:																											
State and local government	8	40.0	532	-	- - -	-	25	75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Level II	525	39.9	747	705	580 - 905	-	6	23	20	11	14	14	9	3	-	-	-	-	-	-	-	-	-	-	-	-	
Private industry	484	39.9	757	731	587 - 919	-	7	20	20	10	15	15	10	4	-	-	-	-	-	-	-	-	-	-	-	-	
Service-producing industries	237	39.8	642	615	569 - 718	-	10	34	30	12	12	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
State and local government	41	39.8	627	566	560 - 668	-	-	56	20	17	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Level III	683	39.9	864	827	726 - 985	-	-	2	16	27	16	17	11	6	4	1	-	-	-	-	-	-	-	-	-	-	
Private industry	559	40.0	897	877	748 - 1,022	-	-	-	12	23	18	20	13	8	5	2	-	-	-	-	-	-	-	-	-	-	
Goods-producing industries	255	40.0	1,007	983	922 - 1,115	-	-	-	2	7	13	34	16	13	11	4	-	-	-	-	-	-	-	-	-	-	
Manufacturing	255	40.0	1,007	983	922 - 1,115	-	-	-	2	7	13	34	16	13	11	4	-	-	-	-	-	-	-	-	-	-	
Service-producing industries	304	39.9	806	756	703 - 874	-	-	-	20	37	22	8	10	3	-	-	-	-	-	-	-	-	-	-	-	-	
State and local government	124	39.8	716	733	660 - 788	-	-	13	31	45	6	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
Level IV	571	39.9	1,076	1,058	933 - 1,209	-	-	-	1	2	19	15	23	14	12	8	4	2	-	-	-	-	-	-	-	-	
Private industry	486	39.9	1,109	1,087	977 - 1,236	-	-	-	2	10	17	24	16	14	9	5	2	-	-	-	-	-	-	-	-	-	
Goods-producing industries	202	40.0	1,167	1,162	1,039 - 1,315	-	-	-	-	1	10	7	17	21	15	17	6	5	-	-	-	-	-	-	-	-	
Manufacturing	202	40.0	1,167	1,162	1,039 - 1,315	-	-	-	-	1	10	7	17	21	15	17	6	5	-	-	-	-	-	-	-	-	
Service-producing industries	284	39.9	1,067	1,058	949 - 1,178	-	-	-	2	10	25	30	12	13	4	4	-	-	-	-	-	-	-	-	-	-	
State and local government	85	39.7	888	856	856 - 875	-	-	-	4	4	73	4	12	2	-	2	-	-	-	-	-	-	-	-	-	-	
Level V	557	40.0	1,438	1,408	1,230 - 1,633	-	-	-	-	-	3	6	12	18	10	12	10	9	7	6	7	-	-	-	-	-	
Private industry	536	40.0	1,455	1,424	1,250 - 1,650	-	-	-	-	-	1	4	12	19	10	13	10	9	8	7	7	-	-	-	-	-	
Service-producing industries	129	39.9	1,239	1,239	1,144 - 1,283	-	-	-	-	-	4	12	17	46	10	6	4	2	-	-	-	-	-	-	-	-	
State and local government	21	40.0	1,000	1,032	936 - 1,032	-	-	-	-	-	48	48	5	-	-	-	-	-	-	-	-	-	-	-	-	-	

See footnotes at end of table.

Table A-6. Establishments employing 500 workers or more: Weekly hours and pay of professional and administrative occupations, Detroit, MI, January 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	350 and under 400	400 - 500	500 - 600	600 - 700	700 - 800	800 - 900	900 - 1000	1000 - 1100	1100 - 1200	1200 - 1300	1300 - 1400	1400 - 1500	1500 - 1600	1600 - 1700	1700 - 1800	1800 - 1900	1900 - 2000	2000 - 2100	2100 - 2200	2200 - 2300	2300 and over
Personnel Supervisors/Managers																										
Level I	116	40.0	\$1,043	\$1,063	\$945 - \$1,136	-	-	-	-	11	1	31	22	19	11	5	-	-	-	-	-	-	-	-	-	-
Private industry	82	40.0	1,104	1,103	1,027 - 1,190	-	-	-	-	2	1	16	30	27	16	7	-	-	-	-	-	-	-	-	-	-
State and local government	34	40.0	895	936	779 - 955	-	-	-	-	32	-	68	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Level II	55	40.0	1,363	-	- - -	-	-	-	-	-	2	-	16	7	7	25	15	9	18	-	-	-	-	-	-	-
State and local government	15	39.8	1,144	1,036	1,032 - 1,264	-	-	-	-	-	-	-	60	13	7	7	13	-	-	-	-	-	-	-	-	-

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: 5 percent at \$2,300 and under \$2,400; 4 percent at \$2,400 and under \$2,500; 2 percent at \$2,500 and under \$2,600; and 3 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, Detroit, MI, January 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	250 and under 300	300 - 350	350 - 400	400 - 450	450 - 500	500 - 550	550 - 600	600 - 650	650 - 700	700 - 750	750 - 800	800 - 850	850 - 900	900 - 950	950 - 1000	1000 - 1100	1100 - 1200
TECHNICAL OCCUPATIONS																						
Computer Operators																						
Level II	383	39.8	\$499	\$487	\$442 - \$552	5	1	5	17	29	16	14	5	1	2	3	-	-	-	-	-	-
Private industry	344	39.9	498	485	442 - 542	5	1	6	17	29	18	12	6	1	3	3	-	-	-	-	-	-
Service-producing industries	312	39.9	491	485	444 - 538	6	1	4	16	32	18	13	6	2	3	(³)	-	-	-	-	-	-
State and local government	39	38.9	509	496	465 - 567	-	-	-	21	31	5	38	5	-	-	-	-	-	-	-	-	-
Level III	268	39.6	631	601	541 - 675	-	-	1	1	3	22	19	22	11	5	3	1	3	7	1	-	-
Private industry	217	39.9	642	612	540 - 699	-	-	1	1	3	23	17	18	13	6	4	1	4	8	1	-	-
Service-producing industries	182	40.0	608	588	530 - 657	-	-	1	1	4	26	19	20	15	5	3	1	-	3	1	-	-
State and local government	51	38.7	581	577	566 - 628	-	-	-	-	4	20	31	41	2	-	2	-	-	-	-	-	-
Level IV	130	39.7	752	734	673 - 830	-	-	-	-	1	10	6	16	28	11	7	7	6	4	5	-	-
State and local government	35	39.0	676	673	673 - 734	-	-	-	-	3	17	-	31	49	-	-	-	-	-	-	-	-
Drafters																						
Level I	124	40.0	424	400	396 - 448	-	6	23	48	12	9	-	1	-	-	-	-	-	-	-	-	-
State and local government	7	39.6	438	-	- - -	-	-	14	86	-	-	-	-	-	-	-	-	-	-	-	-	-
Level II:																						
State and local government	25	40.0	527	521	521 - 521	-	-	-	-	12	80	-	-	8	-	-	-	-	-	-	-	-
Level III	545	40.0	698	694	651 - 752	-	-	-	-	-	-	12	13	27	21	18	7	1	1	-	-	-
Private industry	524	40.0	702	697	655 - 754	-	-	-	-	-	-	9	14	28	22	18	7	1	1	-	-	-
Engineering Technicians																						
Level III	780	40.0	746	762	664 - 831	-	-	-	-	1	7	14	9	14	16	22	15	1	-	-	-	-
Private industry	769	40.0	748	762	669 - 832	-	-	-	-	1	7	14	9	14	16	22	15	1	-	-	-	-
Level IV	1,703	40.0	878	900	815 - 952	-	-	-	-	-	-	2	4	6	10	11	17	25	19	7	(³)	(³)
Private industry	1,697	40.0	879	901	816 - 952	-	-	-	-	-	-	2	4	6	10	11	17	25	19	7	(³)	(³)
Level V	1,389	40.0	996	1,010	930 - 1,073	-	-	-	-	-	-	(³)	-	3	3	6	5	13	14	41	16	-
Engineering Technicians, Civil																						
Level I	35	40.0	457	466	418 - 514	-	17	6	14	23	40	-	-	-	-	-	-	-	-	-	-	-
State and local government	35	40.0	457	466	418 - 514	-	17	6	14	23	40	-	-	-	-	-	-	-	-	-	-	-
Level II	74	40.0	517	-	- - -	-	-	-	4	31	47	14	3	1	-	-	-	-	-	-	-	-
State and local government	70	40.0	521	519	486 - 544	-	-	-	1	30	50	14	3	1	-	-	-	-	-	-	-	-
Level III	203	40.0	636	656	582 - 656	-	-	-	-	1	8	30	6	39	6	3	6	-	-	-	-	-
State and local government	197	40.0	640	656	582 - 656	-	-	-	-	1	8	29	7	40	6	4	6	-	-	-	-	-
Level IV	59	40.0	747	736	722 - 750	-	-	-	-	-	-	-	-	2	64	20	14	-	-	-	-	-
State and local government	59	40.0	747	736	722 - 750	-	-	-	-	-	-	-	-	2	64	20	14	-	-	-	-	-
Level V	13	40.0	799	-	- - -	-	-	-	-	-	-	-	-	-	-	85	15	-	-	-	-	-
State and local government	13	40.0	799	-	- - -	-	-	-	-	-	-	-	-	-	-	85	15	-	-	-	-	-

See footnotes at end of table.

Table A-7. Establishments employing 500 workers or more: Weekly hours and pay of technical and protective service occupations, Detroit, MI, January 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	250 and under 300	300 - 350	350 - 400	400 - 450	450 - 500	500 - 550	550 - 600	600 - 650	650 - 700	700 - 750	750 - 800	800 - 850	850 - 900	900 - 950	1000 - 1100	1100 - 1200	
PROTECTIVE SERVICE OCCUPATIONS																						
Corrections Officers	978	40.0	\$618	\$662	\$540 - \$662	-	-	-	4	5	21	15	2	42	-	9	3	-	-	-	-	
State and local government	978	40.0	618	662	540 - 662	-	-	-	4	5	21	15	2	42	-	9	3	-	-	-	-	
Firefighters:																						
State and local government	852	49.3	689	736	664 - 736	-	-	2	1	-	1	13	7	18	59	-	-	-	-	-	-	
Police Officers																						
Level I	4,909	40.0	691	736	600 - 736	-	-	-	7	2	4	11	10	1	49	2	1	11	2	-	-	
State and local government	4,811	40.0	693	736	600 - 736	-	-	-	7	2	3	9	10	1	50	2	1	11	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.

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, Detroit, MI, January 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	200 and under 225	225 - 250	250 - 275	275 - 300	300 - 350	350 - 400	400 - 450	450 - 500	500 - 550	550 - 600	600 - 650	650 - 700	700 - 750	750 - 800	800 - 900	900 - 1000	1000 - 1100	1100 - 1200	1200 - 1300	1300 - 1400				
Clerks, Accounting																													
Level II	781	39.7	\$368	\$360	\$318 - \$397	-	2	8	5	27	33	12	6	5	1	(³)	-	(³)	-	-	-	-	-	-	-	-	-	-	-
Private industry	714	39.9	359	358	312 - 392	-	2	9	6	29	33	11	6	2	1	(³)	-	(³)	-	-	-	-	-	-	-	-	-	-	-
Goods-producing industries	142	39.7	388	360	341 - 423	-	-	-	4	32	39	12	1	8	4	1	-	-	-	-	-	-	-	-	-	-	-	-	
Manufacturing	142	39.7	388	360	341 - 423	-	-	-	4	32	39	12	1	8	4	1	-	-	-	-	-	-	-	-	-	-	-	-	
Service-producing industries	572	39.9	352	351	308 - 391	-	2	11	6	29	32	11	7	1	-	-	-	(³)	-	-	-	-	-	-	-	-	-	-	
State and local government	67	38.6	458	466	394 - 530	-	-	-	-	3	27	18	10	37	4	-	-	-	-	-	-	-	-	-	-	-	-	-	
Level III	987	39.7	494	506	420 - 560	-	-	-	-	3	12	17	16	20	24	9	-	-	-	-	-	-	-	-	-	-	-	-	
Private industry	569	39.9	464	468	400 - 512	-	-	-	-	5	18	21	22	16	15	3	-	-	-	-	-	-	-	-	-	-	-	-	
Service-producing industries	419	39.9	453	450	394 - 496	-	-	-	-	7	21	22	26	14	6	4	-	-	-	-	-	-	-	-	-	-	-	-	
State and local government	418	39.5	534	560	515 - 560	-	-	-	-	-	4	10	7	24	37	17	-	-	-	-	-	-	-	-	-	-	-	-	
Level IV	395	39.7	629	579	490 - 682	-	-	-	-	-	1	10	17	13	24	6	6	1	1	4	19	-	-	-	-	-	-	-	
Private industry	288	39.9	656	579	478 - 928	-	-	-	-	-	1	13	14	12	15	8	3	1	1	5	26	-	-	-	-	-	-	-	
Service-producing industries	151	39.9	499	490	448 - 548	-	-	-	-	-	3	25	27	23	17	3	3	-	-	-	-	-	-	-	-	-	-	-	
State and local government	107	39.1	556	587	501 - 591	-	-	-	-	-	-	1	23	16	48	1	11	-	-	-	-	-	-	-	-	-	-	-	
Clerks, General																													
Level I	134	39.5	319	300	298 - 335	-	1	1	44	37	10	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
State and local government	91	39.5	318	298	298 - 335	-	-	-	60	24	9	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Level II	1,661	39.8	362	311	303 - 366	-	1	2	4	61	14	4	2	1	3	5	2	1	(³)	-	-	-	-	-	-	-	-	-	
State and local government	242	39.5	370	345	338 - 395	-	-	-	-	53	22	14	8	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Level III	2,331	39.7	441	422	332 - 515	-	-	-	(³)	32	11	19	9	12	11	2	1	(³)	3	(³)	-	-	-	-	-	-	-	-	
Private industry	1,330	39.9	401	342	332 - 416	-	-	-	(³)	54	12	17	6	1	(³)	1	2	1	5	1	-	-	-	-	-	-	-	-	
Goods-producing industries	214	40.0	592	600	433 - 753	-	-	-	-	1	10	22	8	5	2	4	9	4	29	5	-	-	-	-	-	-	-	-	
Manufacturing	214	40.0	592	600	433 - 753	-	-	-	-	1	10	22	8	5	2	4	9	4	29	5	-	-	-	-	-	-	-	-	
State and local government	1,001	39.5	494	510	436 - 560	-	-	-	-	1	9	21	14	27	24	3	-	-	-	-	-	-	-	-	-	-	-	-	
Level IV	1,906	39.9	543	512	466 - 640	-	-	-	-	9	12	28	12	9	8	11	6	6	1	(³)	-	-	-	-	-	-	-	-	
Private industry	1,274	40.0	567	560	453 - 676	-	-	-	-	13	12	12	11	8	10	16	8	9	1	(³)	-	-	-	-	-	-	-	-	
Goods-producing industries	396	40.0	635	641	539 - 763	-	-	-	-	-	7	9	15	12	8	10	10	27	2	-	-	-	-	-	-	-	-	-	
Manufacturing	396	40.0	635	641	539 - 763	-	-	-	-	-	7	9	15	12	8	10	10	27	2	-	-	-	-	-	-	-	-	-	
Service-producing industries	878	40.0	537	519	417 - 658	-	-	-	-	18	14	14	9	6	11	19	8	1	(³)	(³)	-	-	-	-	-	-	-	-	
State and local government	632	39.8	493	477	476 - 514	-	-	-	-	2	12	59	14	11	3	1	-	-	-	-	-	-	-	-	-	-	-	-	
Key Entry Operators																													
Level I	125	39.7	339	331	300 - 351	-	-	4	22	46	12	14	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Private industry	112	39.9	334	330	299 - 348	-	-	4	24	48	9	13	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Service-producing industries	112	39.9	334	330	299 - 348	-	-	4	24	48	9	13	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Level II	462	40.0	459	454	370 - 560	-	-	-	-	8	24	17	17	4	28	2	1	-	(³)	-	-	-	-	-	-	-	-	-	
Private industry	324	40.0	416	414	361 - 455	-	-	-	-	11	34	24	23	4	1	1	1	-	(³)	-	-	-	-	-	-	-	-	-	
Service-producing industries	315	40.0	413	408	361 - 454	-	-	-	-	12	34	24	23	4	1	1	1	-	-	-	-	-	-	-	-	-	-	-	
State and local government	138	40.0	559	560	560 - 560	-	-	-	-	-	-	-	2	3	92	3	-	-	-	-	-	-	-	-	-	-	-	-	

See footnotes at end of table.

Table A-8. Establishments employing 500 workers or more: Weekly hours and pay of clerical occupations, Detroit, MI, January 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	200 and under 225	225 - 250	250 - 275	275 - 300	300 - 350	350 - 400	400 - 450	450 - 500	500 - 550	550 - 600	600 - 650	650 - 700	700 - 750	750 - 800	800 - 900	900 - 1000	1000 - 1100	1100 - 1200	1200 - 1300	1300 - 1400		
Personnel Assistants (Employment)																											
Level II	82	39.4	\$466	\$447	\$400 - \$525	-	-	-	-	-	16	35	20	16	6	5	1	1	-	-	-	-	-	-	-	-	-
Private industry	59	40.0	443	-	- -	-	-	-	-	-	17	47	24	5	3	-	2	2	-	-	-	-	-	-	-	-	-
State and local government	23	37.9	526	531	482 - 598	-	-	-	-	-	13	4	9	43	13	17	-	-	-	-	-	-	-	-	-	-	-
Level III	99	39.7	492	477	424 - 501	-	-	-	-	-	11	23	32	18	-	4	5	6	-	-	-	-	-	-	-	-	-
Private industry	77	40.0	456	-	- -	-	-	-	-	-	14	29	35	22	-	-	-	-	-	-	-	-	-	-	-	-	-
Service-producing industries	71	40.0	457	-	- -	-	-	-	-	-	15	23	38	24	-	-	-	-	-	-	-	-	-	-	-	-	-
State and local government	22	38.8	620	654	491 - 730	-	-	-	-	-	-	5	23	5	-	18	23	27	-	-	-	-	-	-	-	-	-
Secretaries																											
Level I	868	40.0	521	543	433 - 587	-	-	-	-	(³)	12	15	10	15	42	2	3	(³)	-	-	-	-	-	-	-	-	-
Private industry	480	40.0	480	468	404 - 534	-	-	-	-	1	22	22	17	22	6	4	6	1	-	-	-	-	-	-	-	-	-
Service-producing industries	250	40.0	429	421	387 - 462	-	-	-	-	2	33	35	18	12	(³)	-	-	-	-	-	-	-	-	-	-	-	-
State and local government	388	40.0	571	587	586 - 587	-	-	-	-	-	-	3	6	1	7	86	-	-	-	-	-	-	-	-	-	-	-
Level II	1,540	39.8	508	502	450 - 553	-	-	-	-	1	4	21	23	26	9	14	2	1	-	-	-	-	-	-	-	-	-
Private industry	1,211	40.0	489	490	446 - 523	-	-	-	-	1	3	22	28	33	10	2	1	-	-	-	-	-	-	-	-	-	-
Service-producing industries	1,199	40.0	490	491	448 - 523	-	-	-	-	1	3	22	29	33	10	2	1	-	-	-	-	-	-	-	-	-	-
State and local government	329	39.0	579	628	485 - 628	-	-	-	-	-	5	16	5	2	5	56	9	3	-	-	-	-	-	-	-	-	-
Level III	2,318	39.6	631	608	531 - 754	-	-	-	-	1	(³)	6	10	13	14	14	8	8	16	10	-	-	-	-	-	-	-
Private industry	1,877	39.9	642	640	529 - 763	-	-	-	-	1	(³)	6	10	14	11	10	7	10	19	12	-	-	-	-	-	-	-
Service-producing industries	714	39.8	557	542	490 - 615	-	-	-	-	1	1	12	15	23	18	13	4	6	6	1	-	-	-	-	-	-	-
State and local government	441	38.2	585	600	564 - 608	-	-	-	-	-	-	8	8	7	25	33	12	3	3	-	-	-	-	-	-	-	-
Level IV	881	39.7	622	627	556 - 673	-	-	-	-	-	2	7	15	15	17	29	9	3	3	(³)	-	-	-	-	-	-	-
Private industry	689	39.9	607	613	540 - 650	-	-	-	-	-	2	9	18	17	12	31	5	4	2	-	-	-	-	-	-	-	-
Service-producing industries	652	40.0	603	612	538 - 650	-	-	-	-	-	2	10	17	18	12	32	3	4	2	-	-	-	-	-	-	-	-
State and local government	192	39.1	675	652	627 - 739	-	-	-	-	-	-	-	-	3	6	35	23	24	1	7	1	-	-	-	-	-	-
Level V	325	40.0	883	906	778 - 975	-	-	-	-	-	-	-	-	-	2	6	6	7	7	20	33	14	3	-	-	-	2
Private industry:																											
Service-producing industries	81	39.9	769	763	704 - 850	-	-	-	-	-	-	-	-	-	2	5	17	23	15	26	10	1	-	-	-	-	
Switchboard Operator-Receptionists																											
Level I	206	39.8	394	400	327 - 494	2	1	4	8	18	15	23	7	17	4	-	-	-	-	-	-	-	-	-	-	-	-
Private industry	148	40.0	347	350	300 - 400	3	2	6	11	25	21	31	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Goods-producing industries	57	40.0	382	-	- -	-	-	-	-	16	32	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manufacturing	57	40.0	382	-	- -	-	-	-	-	16	32	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Service-producing industries	91	39.9	325	320	280 - 370	4	3	10	19	31	14	18	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
State and local government	58	39.4	514	507	494 - 545	-	-	-	-	-	-	2	24	59	16	-	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table A-8. Establishments employing 500 workers or more: Weekly hours and pay of clerical occupations, Detroit, MI, January 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	200 and under 225	225 - 250	250 - 275	275 - 300	300 - 350	350 - 400	400 - 450	450 - 500	500 - 550	550 - 600	600 - 650	650 - 700	700 - 750	750 - 800	800 - 900	900 - 1000	1000 - 1100	1100 - 1200	1200 - 1300	1300 - 1400
Word Processors																									
Level I:																									
State and local government	13	40.0	\$439	-	- - -	-	-	-	-	-	31	23	38	8	-	-	-	-	-	-	-	-	-	-	-
Level II	113	39.9	541	\$560	\$470 - \$596	-	-	-	-	-	10	11	10	6	39	12	10	1	2	-	-	-	-	-	-
Private industry	65	39.8	538	-	- - -	-	-	-	-	-	17	18	6	8	8	22	17	2	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.

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, Detroit, MI, January 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	8.00 and under 8.50	8.50 9.00	9.00 9.50	9.50 10.00	10.00 10.50	10.50 11.00	11.00 11.50	11.50 12.00	12.00 12.50	12.50 13.00	13.00 13.50	13.50 14.00	14.00 15.00	15.00 16.00	16.00 17.00	17.00 18.00	18.00 19.00	19.00 20.00	20.00 21.00	21.00 22.00	22.00 23.00	23.00 24.00	24.00 and over			
General Maintenance Workers	394	\$13.18	\$13.19	\$12.34 – \$14.15	3	1	2	5	1	8	3	1	7	18	2	18	14	1	11	5	–	–	–	–	–	–	–	–	–	
Private industry	205	11.88	12.58	10.50 – 13.74	6	1	3	10	2	15	4	2	1	22	3	27	2	1	–	–	–	–	–	–	–	–	–	–		
Service-producing industries	203	11.84	12.58	10.50 – 13.74	6	1	3	10	2	15	4	2	1	23	3	27	2	–	–	–	–	–	–	–	–	–	–	–		
State and local government	189	14.59	14.15	12.73 – 16.84	–	–	–	–	–	–	–	1	1	14	14	1	8	27	1	24	10	–	–	–	–	–	–	–		
Maintenance Electricians	3,412	21.75	21.98	21.90 – 21.99	–	–	–	–	–	–	–	–	–	–	(²)	(²)	(²)	(²)	1	1	2	3	(²)	79	12	2	–			
Private industry	3,161	21.87	21.98	21.90 – 21.99	–	–	–	–	–	–	–	–	–	–	–	–	–	(²)	(²)	1	2	1	–	83	13	(²)	–	–		
Goods-producing industries	2,998	22.00	21.98	21.90 – 21.99	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	87	13	–	–	–		
Manufacturing	2,998	22.00	21.98	21.90 – 21.99	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	87	13	–	–	–		
Service-producing industries	163	19.48	18.77	18.16 – 21.75	–	–	–	–	–	–	–	–	–	–	–	–	2	–	4	16	32	12	–	26	4	5	–	–		
State and local government	251	20.22	19.69	19.47 – 21.84	–	–	–	–	–	–	–	–	–	–	(²)	5	(²)	6	6	1	1	33	5	18	3	21	–	–		
Maintenance Electronics Technicians																														
Level I:																														
State and local government	13	12.68	–	–	–	–	–	–	–	15	23	15	8	–	8	8	8	8	–	8	–	–	–	–	–	–	–	–	–	–
Level II	613	17.84	18.77	17.15 – 19.30	–	–	–	–	–	–	(²)	(²)	1	(²)	3	1	7	6	6	21	7	46	(²)	(²)	(²)	(²)	(²)	(²)	(²)	
Private industry	561	17.91	19.11	17.31 – 19.30	–	–	–	–	–	–	(²)	(²)	1	1	3	1	6	5	6	22	5	49	(²)	–	(²)	(²)	(²)	(²)	(²)	
Service-producing industries	265	16.88	17.24	14.89 – 19.19	–	–	–	–	–	–	(²)	1	2	1	6	3	13	10	12	15	11	27	(²)	–	–	–	–	–	–	
State and local government	52	17.05	16.55	15.47 – 18.77	–	–	–	–	–	–	–	–	–	–	2	2	15	17	13	6	29	12	2	2	–	–	–	–	–	
Level III	113	19.90	19.98	18.46 – 21.14	–	–	–	–	–	–	–	–	–	–	–	–	–	1	5	7	23	16	20	17	6	2	3	–	–	
Private industry	106	20.01	20.08	18.65 – 21.14	–	–	–	–	–	–	–	–	–	–	–	–	–	1	4	8	21	17	22	17	7	2	3	–	–	
Service-producing industries	97	19.78	20.18	18.49 – 21.14	–	–	–	–	–	–	–	–	–	–	–	–	–	1	4	8	23	12	24	19	7	2	–	–	–	
State and local government	7	18.28	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	29	–	57	–	–	14	–	–	–	–	–	
Maintenance Machinists	273	18.51	17.01	15.23 – 21.77	–	–	–	–	–	–	–	–	–	–	–	–	–	44	3	4	–	4	2	28	15	–	–	–	–	
Private industry	256	18.55	18.21	15.23 – 21.77	–	–	–	–	–	–	–	–	–	–	–	–	–	47	3	–	–	2	2	30	16	–	–	–	–	
State and local government	17	17.95	17.01	17.01 – 19.18	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	59	–	41	–	–	–	–	–	–	
Maintenance Mechanics, Machinery	2,111	21.31	21.90	21.77 – 21.98	–	–	–	–	–	–	–	(²)	1	–	(²)	–	(²)	1	3	2	2	2	1	85	1	–	–	–	–	
Private industry	1,995	21.62	21.90	21.77 – 21.98	–	–	–	–	–	–	–	–	–	–	–	–	–	(²)	1	2	1	3	1	90	2	–	–	–	–	
Goods-producing industries	1,897	21.75	21.90	21.77 – 21.98	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	2	–	–	1	94	2	–	–	–	
Manufacturing	1,897	21.75	21.90	21.77 – 21.98	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	2	–	–	1	94	2	–	–	–	
State and local government	116	15.92	16.37	15.72 – 16.37	–	–	–	–	–	–	–	–	1	12	–	2	–	5	15	48	3	14	–	–	–	–	–	–	–	
Maintenance Mechanics, Motor Vehicle	2,252	18.06	16.51	15.45 – 21.65	–	–	–	–	–	–	–	–	–	–	–	(²)	1	43	7	3	4	11	1	31	(²)	–	–	–	–	
Private industry	1,123	20.38	21.65	19.82 – 21.68	–	–	–	–	–	–	–	–	–	–	–	–	(²)	–	5	7	2	2	21	2	62	1	–	–	–	
Goods-producing industries	720	20.95	21.68	21.65 – 21.68	–	–	–	–	–	–	–	–	–	–	–	–	–	–	6	–	3	2	7	–	82	1	–	–	–	
Manufacturing	720	20.95	21.68	21.65 – 21.68	–	–	–	–	–	–	–	–	–	–	–	–	–	–	6	–	3	2	7	–	82	1	–	–	–	
Service-producing industries	403	19.36	19.82	19.59 – 21.56	–	–	–	–	–	–	–	–	–	–	–	–	–	(²)	3	19	1	(²)	46	4	25	–	–	–	–	
State and local government	1,129	15.74	15.45	15.42 – 15.45	–	–	–	–	–	–	–	–	–	–	–	–	–	2	81	7	3	6	1	–	–	–	–	–	–	

See footnotes at end of table.

Table A-9. Establishments employing 500 workers or more: Hourly pay of maintenance and toolroom occupations, Detroit, MI, January 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	8.00 and under 8.50	8.50 - 9.00	9.00 - 9.50	9.50 - 10.00	10.00 - 10.50	10.50 - 11.00	11.00 - 11.50	11.50 - 12.00	12.00 - 12.50	12.50 - 13.00	13.00 - 13.50	13.50 - 14.00	14.00 - 15.00	15.00 - 16.00	16.00 - 17.00	17.00 - 18.00	18.00 - 19.00	19.00 - 20.00	20.00 - 21.00	21.00 - 22.00	22.00 - 23.00	23.00 - 24.00	24.00 and over
Maintenance Pipefitters	1,586	\$21.48	\$21.73	\$21.65 - \$21.73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(²)	(²)	7	-	(²)	91	2	-	-
Private industry	1,570	21.50	21.73	21.65 - 21.73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(²)	(²)	7	-	(²)	91	1	-	-
Goods-producing industries	1,559	21.52	21.73	21.65 - 21.73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	-	(²)	92	1	-	-
Manufacturing	1,559	21.52	21.73	21.65 - 21.73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	-	(²)	92	1	-	-
State and local government	16	19.28	18.20	18.20 - 22.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	13	50	-	-	-	31	-	-
Tool and Die Makers	3,244	21.50	21.98	21.92 - 21.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(²)	16	-	83	1	-	-
Private industry	3,243	21.51	21.98	21.92 - 21.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	-	83	1	-	-
Goods-producing industries	3,243	21.51	21.98	21.92 - 21.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	-	83	1	-	-
Manufacturing	3,243	21.51	21.98	21.92 - 21.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	-	83	1	-	-

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, Detroit, MI, January 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	4,138	\$17.57	\$18.81	\$18.66 - \$19.63	-	-	1	-	(²)	(²)	1	(²)	(²)	3	5	(²)	-	(²)	1	1	4	8	-	49	27	(²)	-	
Private industry	4,138	17.57	18.81	18.66 - 19.63	-	-	1	-	(²)	(²)	1	(²)	(²)	3	5	(²)	-	(²)	1	1	4	8	-	49	27	(²)	-	
Goods-producing industries	3,363	17.51	18.66	18.66 - 19.63	-	-	1	-	(²)	(²)	1	(²)	(²)	3	5	-	-	-	1	(²)	2	10	-	42	33	(²)	-	
Manufacturing	3,363	17.51	18.66	18.66 - 19.63	-	-	1	-	(²)	(²)	1	(²)	(²)	3	5	-	-	-	1	(²)	2	10	-	42	33	(²)	-	
Guards																												
Level I:																												
State and local government	176	11.35	11.42	10.98 - 11.66	-	-	-	-	-	-	-	-	1	-	2	31	60	2	5	-	-	-	-	-	-	-	-	-
Level II	1,043	13.58	13.80	12.05 - 14.60	-	-	-	-	-	-	-	-	1	1	5	3	10	17	15	26	12	7	1	2	-	(²)	(²)	
Private industry	804	13.58	13.80	12.13 - 15.53	-	-	-	-	-	-	-	-	1	1	6	4	12	13	19	16	15	9	1	2	-	(²)	(²)	
Service-producing industries	744	13.41	13.80	11.95 - 14.57	-	-	-	-	-	-	-	-	1	2	7	4	13	14	20	17	8	9	1	2	-	1	(²)	
State and local government	239	13.57	14.14	12.05 - 14.48	-	-	-	-	-	-	-	-	-	-	-	(²)	4	31	2	62	-	-	-	-	-	-	-	
Janitors	10,165	10.90	9.87	7.85 - 14.17	(²)	(²)	12	5	2	1	2	4	3	9	13	13	1	2	8	5	2	4	(²)	14	(²)	-	-	
Private industry	7,156	10.16	8.87	6.00 - 12.38	(²)	(²)	17	7	2	2	2	4	4	12	17	5	1	1	(²)	(²)	3	1	1	20	(²)	-	-	
Goods-producing industries	1,608	17.23	18.29	18.29 - 18.32	-	-	-	-	-	-	-	-	3	-	7	-	-	-	1	(²)	-	(²)	2	-	84	2	-	
Manufacturing	1,608	17.23	18.29	18.29 - 18.32	-	-	-	-	-	-	-	-	3	-	7	-	-	-	1	(²)	-	(²)	2	-	84	2	-	
Service-producing industries	5,548	8.12	8.50	5.57 - 9.37	(²)	(²)	22	10	3	3	3	4	5	16	20	7	1	(²)	(²)	(²)	3	(²)	1	1	-	-	-	
State and local government	3,009	12.66	13.51	10.77 - 14.54	-	-	-	-	-	(²)	2	1	(²)	1	32	3	5	28	15	-	12	-	-	-	-	-	-	
Material Handling Laborers	654	17.35	18.53	18.48 - 18.82	-	-	-	1	1	(²)	-	2	(²)	3	2	5	-	-	(²)	1	-	-	-	85	1	-	-	
Private industry	654	17.35	18.53	18.48 - 18.82	-	-	-	1	1	(²)	-	2	(²)	3	2	5	-	-	(²)	1	-	-	-	85	1	-	-	
Shipping/Receiving Clerks:																												
Private industry:																												
Service-producing industries	265	11.22	10.40	8.32 - 15.49	-	-	-	-	2	1	3	10	14	6	7	14	8	5	2	-	29	-	-	-	-	-	-	
Truckdrivers																												
Light Truck	296	11.99	12.04	10.35 - 14.16	-	-	-	-	-	-	1	(²)	7	(²)	5	15	21	24	(²)	16	8	-	2	-	-	-	-	
Private industry	233	12.04	12.06	10.07 - 14.37	-	-	-	-	-	-	1	(²)	9	(²)	6	12	15	28	-	16	10	-	2	-	-	-	-	
Service-producing industries	233	12.04	12.06	10.07 - 14.37	-	-	-	-	-	-	1	(²)	9	(²)	6	12	15	28	-	16	10	-	2	-	-	-	-	
State and local government	63	11.79	11.57	10.35 - 12.19	-	-	-	-	-	-	-	-	-	-	3	25	43	10	2	14	3	-	-	-	-	-	-	
Tractor Trailer	1,816	16.37	15.86	15.70 - 19.60	-	-	-	-	-	-	-	-	-	-	2	12	(²)	3	(²)	47	4	2	3	14	13	-	-	
Private industry	1,815	16.37	15.86	15.70 - 19.60	-	-	-	-	-	-	-	-	-	-	2	12	(²)	3	(²)	47	4	2	3	14	13	-	-	
Goods-producing industries	376	17.37	20.00	11.00 - 20.67	-	-	-	-	-	-	-	-	-	-	7	23	-	-	-	-	4	4	-	3	60	-	-	
Manufacturing	376	17.37	20.00	11.00 - 20.67	-	-	-	-	-	-	-	-	-	-	7	23	-	-	-	-	4	4	-	3	60	-	-	
Warehouse Specialists	1,176	15.37	16.13	12.70 - 18.92	-	-	-	1	1	2	1	(²)	2	2	7	6	13	5	5	5	(²)	(²)	40	10	-	-		
Private industry	1,081	15.61	18.10	12.80 - 18.92	-	-	-	1	1	2	1	(²)	2	2	4	6	13	3	3	5	(²)	(²)	44	11	-	-		
Service-producing industries	386	12.69	12.80	9.39 - 15.38	-	-	-	3	3	6	3	1	5	7	12	1	26	-	-	9	-	1	24	-	-	-		
State and local government	95	12.54	13.21	10.49 - 14.23	-	-	-	-	-	-	-	-	-	-	40	2	5	25	27	-	-	-	-	-	-	-		

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 Detroit, MI Primary Metropolitan Statistical Area covered establishments employing 50 workers or more in *goods producing industries* (mining, construction, and manufacturing); *service producing industries* (transportation, communications, electric, gas, and sanitary services; wholesale trade; retail trade; finance, insurance, and real estate; and services industries); and State and local governments.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 Detroit, MI Primary Metropolitan Statistical Area (December 1991). Establishments with 50 workers or more during the sampling frame's reference period were included in the survey sample even if they employed fewer than 50 workers at the time of the survey.

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

Survey design

The survey design includes classifying individual establishments into groups (strata) based on industry and employment size, determining the size of the sample for each group (stratum), and selecting an establishment sample from each stratum.

The establishment sample size in a stratum was determined by expected number of employees to be found (based on previous occupational pay surveys) in professional, administrative, technical, protective service, and clerical occupations. In other words, the larger the number of employees expected to be found in designated occupations, the larger the establishment sample in that stratum. An upward adjustment to the establishment sample size also was made in strata expected to have relatively high sampling error for certain occupations, based on previous survey experiences. (See section on "Reliability of estimates" below for discussion of sampling error.)

Data collection and payroll reference

Data for the survey were obtained primarily by personal visits of the Bureau's field economists to a sample of establishments within the Detroit, MI Primary Metropolitan Statistical Area. Collection for the survey was from October 1995 through April 1996 and reflects an average payroll reference month of January 1996. Data obtained for a payroll period prior to the end of January 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 11.4 percent of the sample establishments (representing 158,814 employees covered by the survey). An additional 6.6 percent of the sample establishments (representing 53,331 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. The proportion of employees for whom pay data were not available was less than 5 percent.

Reliability of estimates

The data in this bulletin are estimates from a scientifically selected probability sample. There are two types of errors possible in an estimate based on a sample survey—sampling and nonsampling.

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

A measure of the variation among these differing estimates is called the standard error or sampling error. It indicates the precision with which an estimate from a particular sample approximates the average result of all possible samples. The relative standard error (RSE) is the standard error divided by the estimate. For example, if the estimated average weekly 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	10.6
1 and under 3 percent	64.4
3 and under 5 percent	20.0
5 percent and over	5.0

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 4 percent of the 917 sampled job match decisions reviewed by the JMV reviewers and checked with the respondents were subsequently changed by the JMV reviewers. These results are from a similar survey conducted in 1993, see *Occupational Compensation Survey: Pay Only, Detroit, MI*, BLS Bulletin 3070-75.

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, Detroit, MI¹, January 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	3,910	256	1,254,262	100	461,755
Private industry	3,663	224	1,064,582	85	368,154
Goods producing	1,092	65	369,625	29	178,067
Manufacturing	961	58	356,098	28	177,008
Construction ⁵	131	7	13,527	1	1,059
Service producing	2,571	159	694,957	55	190,087
Transportation, communication, electric, gas, and sanitary services ⁶	184	19	62,525	5	18,563
Wholesale trade ⁷	338	13	43,351	3	4,809
Retail trade ⁷	686	26	186,857	15	57,679
Finance, insurance, and real estate ⁷	236	19	81,865	7	33,455
Services ⁷	1,127	82	320,359	26	75,581
State and local government	247	32	189,680	15	93,601
ESTABLISHMENTS EMPLOYING 500 WORKERS OR MORE					
All divisions	313	81	747,081	100	431,012
Private industry	237	66	593,944	80	340,802
Goods producing	57	14	202,844	27	167,852
Manufacturing	57	14	202,844	27	167,852
Service producing	180	52	391,100	52	172,950
Transportation, communication, electric, gas, and sanitary services ⁶	14	6	36,052	5	15,957
Retail trade ⁷	54	12	124,391	17	56,116
Finance, insurance, and real estate ⁷	22	7	57,626	8	31,840
Services ⁷	83	25	164,729	22	65,390
State and local government	76	15	153,137	20	90,210

¹ The Detroit Primary Metropolitan Statistical Area, as defined by the Office of Management and Budget through October 1984, consists of Lapeer, Livingston, Macomb, Monroe, Oakland, St. Clair, and Wayne 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.