Table 174. Occupation of Employed Persons by Age, Race, and Sex: 1970

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Persons 14 and 15 years old	Persons 16 years old and over											
		Total	16 and 17 years	18 and 19 years	20 to 24 years	25 to 29 years	30 to 34 years	35 to 44 years	45 to 54 years	55 to 59 years	60 to 64 years	65 years and over	Median age
THE STATE													
Total													
Male employed	15 459	1 371 867	43 339	50 704	142 076	157 528	130 590	284 458	292 174	117 286	87 671	66 041	40.7
Professional, technical, and kindred workers	186	240 205	581	2 542	28 370	41 315	32 607	58 155	43 231	13 395	11 174	8 835	37.5
Accountants	14	18 971	19	45	2 175	3 423	2 226	4 095	3 652	1 171	1 224	941	38.9
Architects	–	2 300	–	–	165	450	384	549	369	140	85	158	37.8
Computer specialists	–	8 109	17	208	1 538	2 489	1 594	1 644	456	101	39	23	29.6
Engineers	9	48 432	17	103	3 222	7 036	7 007	14 673	10 686	2 752	2 007	929	39.7
Aeronautical and astronautical	–	1 359	–	–	118	260	201	384	304	59	28	5	37.6
Civil	–	6 367	9	53	460	752	811	1 793	1 320	429	457	283	41.1
Electrical and electronic	–	14 105	3	12	1 142	2 276	2 306	4 705	2 615	572	388	86	37.8
Mechanical	5	7 034	5	–	401	968	1 006	1 991	1 717	518	280	148	40.7
Other engineers	4	19 567	–	38	1 101	2 780	2 683	5 800	4 730	1 174	854	407	40.5
Lawyers and judges	–	8 613	5	11	169	975	999	2 010	1 724	741	799	1 180	45.8
Life and physical scientists	–	5 634	10	18	315	898	836	1 690	1 181	326	215	145	39.4
Chemists	–	3 014	5	8	193	474	370	848	646	225	144	101	40.4
Physicians, dentists, and related practitioners	–	17 794	6	35	427	1 905	2 244	4 240	3 885	1 684	1 537	1 831	45.1
Dentists	–	3 180	–	–	19	287	410	808	816	265	176	399	45.8
Pharmacists	–	3 624	–	23	233	366	292	741	770	475	419	305	47.0
Physicians, medical and osteopathic	–	9 610	–	12	138	1 159	1 416	2 391	1 791	798	857	1 048	43.7
Other related practitioners	–	1 380	6	–	37	93	126	300	508	146	85	79	47.5
Health technologists and technicians	–	2 720	17	107	670	557	296	501	343	73	111	45	30.2
Religious workers	–	5 121	19	–	141	492	483	1 458	1 077	433	450	568	44.8
Social scientists	–	3 290	5	6	313	685	600	1 029	426	96	80	50	35.3
Social and recreation workers	40	3 295	40	123	559	527	364	584	538	233	181	146	35.6
Teachers	30	40 228	68	203	5 791	8 448	6 054	9 617	5 881	1 803	1 481	882	34.6
College and university	5	13 142	16	57	1 336	2 376	2 289	3 268	2 299	615	542	344	36.5
Elementary and prekindergarten	7	6 624	14	46	1 535	1 638	812	1 389	700	231	130	129	30.5
Secondary	18	17 900	4	17	2 620	4 058	2 624	4 428	2 427	785	682	255	34.3
Engineering and science technicians	36	26 493	149	701	5 492	5 346	3 253	5 265	4 164	1 118	730	275	32.4
Draftsmen and surveyors	29	11 404	75	388	2 579	2 235	1 233	2 179	1 712	420	370	213	31.7
Electrical and electronic engineering technicians	–	6 818	32	123	1 419	1 477	819	1 498	1 064	246	132	8	32.2
Technicians, except health, and engineering and science	5	3 360	–	51	399	449	487	854	750	164	146	60	38.4
Airplane pilots	–	823	–	–	39	113	164	246	221	25	15	–	38.9
Writers, artists, and entertainers	29	16 924	132	384	2 306	2 679	2 134	3 861	2 954	878	806	790	37.1
Other professional, technical, and kindred workers	23	28 921	77	547	4 688	4 956	3 646	6 085	5 145	1 682	1 283	812	35.9
Managers and administrators, except farm	116	163 406	274	697	7 576	15 200	16 606	43 599	42 538	16 243	11 473	9 200	44.5
Buyers, purchasing agents, and sales managers	5	22 575	19	155	1 358	2 547	2 733	5 931	5 608	2 228	1 243	753	42.5
School administrators	4	4 532	3	–	79	223	473	1 515	1 320	474	321	124	44.8
Specified managers and administrators, public administration	–	8 289	–	30	197	347	467	1 825	2 834	1 198	633	758	49.5
Other specified managers and administrators	79	28 640	100	223	2 331	3 426	2 941	6 712	6 380	2 713	2 100	1 714	42.9
Managers and administrators, n.e.c., salaried	28	82 183	140	266	3 282	7 518	8 792	23 888	21 489	7 378	5 405	4 025	43.8
Manufacturing	5	26 543	9	25	603	2 016	3 016	8 214	7 470	2 377	1 600	1 213	44.3
Wholesale and retail trade	16	25 343	84	153	1 380	2 679	2 632	6 436	6 295	2 329	1 876	1 479	43.9
Transportation, communications, and other public utilities	–	6 016	6	10	176	541	523	1 718	1 868	536	435	203	45.2
All other industries	7	24 281	41	78	1 123	2 282	2 621	7 520	5 856	2 136	1 494	1 130	43.0
Managers and administrators, n.e.c., self-employed	–	17 187	12	23	329	1 139	1 200	3 728	4 907	2 252	1 771	1 826	49.4
Construction	–	3 186	–	7	63	360	331	954	777	195	274	225	43.7
Manufacturing	–	1 512	–	–	9	67	79	309	467	200	142	239	51.3
Wholesale and retail trade	–	8 622	12	7	195	459	522	1 624	2 566	1 320	999	918	50.8
All other industries	–	3 867	–	9	62	253	268	841	1 097	537	356	444	49.6
Sales workers	4 546	95 837	4 061	3 508	8 874	11 080	8 758	18 942	18 686	8 162	6 642	7 124	41.1
Insurance agents, brokers, and underwriters	41	11 370	8	39	1 049	1 685	1 290	2 828	2 338	859	627	647	40.7
Real estate agents and brokers	–	4 073	–	3	206	318	388	799	1 031	432	380	516	48.1
Sales representatives, manufacturing industries	–	12 638	52	95	638	1 613	1 608	3 230	2 731	1 203	812	656	42.2
Sales representatives, wholesale trade	21	18 058	85	128	1 101	2 574	1 824	3 986	4 053	1 768	1 388	1 151	43.3
Sales clerks, retail trade	436	23 713	2 733	2 351	3 399	1 787	1 147	2 740	3 681	1 899	1 658	2 318	36.6
Salesmen, retail trade	22	10 066	163	274	1 001	1 065	844	1 963	2 247	902	799	808	43.6
Salesmen of services and construction	16	4 884	83	99	332	647	566	1 246	1 027	322	336	226	40.7
Other sales workers	4 010	11 035	937	519	1 148	1 391	1 091	2 150	1 578	777	642	802	37.0
Clerical and kindred workers	1 055	118 756	5 411	7 775	17 773	12 141	8 565	20 086	24 551	9 710	7 238	5 506	38.8
Bank tellers and cashiers	107	5 618	1 064	870	1 181	365	259	449	605	260	321	244	23.7
Bookkeepers and billing clerks	16	7 865	65	348	1 261	916	497	1 334	1 562	598	533	751	41.3
Mail handlers and postal clerks	43	19 050	322	675	1 314	1 255	1 214	4 351	6 591	1 897	1 022	409	45.6
Other clerical and kindred workers	889	86 223	3 960	5 882	14 017	9 605	6 595	13 952	15 793	6 955	5 362	4 102	37.2
Craftsmen and kindred workers	536	284 958	2 412	6 621	26 958	33 958	28 671	63 598	67 145	26 095	18 633	10 867	41.9
Apparel craftsmen and upholsterers	5	3 308	69	51	164	176	246	512	813	409	373	495	50.4
Bakers	9	3 258	24	76	302	247	277	660	841	423	218	190	45.5
Cabinetmakers	4	1 642	34	61	124	162	134	381	315	149	200	82	43.0
Construction craftsmen	71	74 784	436	1 801	7 254	9 306	7 887	17 148	16 978	6 513	4 604	2 857	41.2
Carpenters	11	25 251	130	676	2 408	3 043	2 380	5 623	6 050	2 299	1 493	1 149	42.1
Excavating, grading, and road machine operators	3	5 118	13	64	451	716	737	1 366	1 174	381	171	45	39.2
Electricians	9	12 024	37	324	1 509	1 856	1 293	2 644	2 471	919	693	278	38.8
Masons and tile setters	10	5 083	19	102	446	631	672	1 477	1 048	315	265	108	39.5
Painters, construction and maintenance, and paperhangers	28	10 132	159	229	727	910	905	2 035	2 384	1 174	932	677	45.4
Plasterers and cement finishers	–	1 699	6	30	212	178	252	499	299	137	57	29	38.4
Plumbers and pipe fitters	5	11 094	30	256	1 022	1 261	1 066	2 411	2 799	983	791	475	42.9
Other construction craftsmen	5	4 383	42	120	479	711	582	1 093	753	305	202	96	37.4
Foremen, n.e.c	23	42 336	42	282	1 647	3 606	4 307	10 900	12 522	4 661	3 151	1 218	45.3
Manufacturing	–	26 230	15	142	946	2 272	2 651	6 721	7 868	3 060	1 851	704	45.5
Nonmanufacturing industries	23	16 106	27	140	701	1 334	1 656	4 179	4 654	1 601	1 300	514	45.0
Linemen and servicemen, telephone and power	9	10 917	37	336	1 785	1 985	1 447	3 203	1 683	244	162	35	34.5
Locomotive engineers and firemen	–	632	–	17	44	19	33	112	251	105	51	–	48.6
Mechanics and repairmen	120	58 388	885	1 805	7 113	8 399	6 119	12 970	12 170	4 498	2 944	1 485	38.8
Air conditioning, heating, and refrigeration	–	3 876	27	40	272	540	585	1 059	777	328	180	68	39.5
Aircraft	–	1 964	9	22	226	326	266	552	441	86	36	–	37.4
Automobile, including body	43	23 150	562	1 238	3 786	3 713	2 455	4 529	4 106	1 252	961	548	34.6
Radio and television	12	3 350	52	81	292	401	398	985	730	142	180	89	39.6
Other mechanics and repairmen	65	26 048	235	424	2 537	3 419	2 415	5 845	6 116	2 690	1 587	780	41.8
Metal craftsmen, except mechanics	12	38 191	267	819	3 414	4 322	3 458	7 325	10 256	4 037	2 998	1 295	44.3
Machinists and job and die setters	6	18 797	145	423	1 865	2 362	1 622	3 414	4 809	2 017	1 420	720	43.7
Sheetmetal workers and tinsmiths	–	4 814	56	149	635	667	613	943	1 004	326	306	115	38.0
Tool and die makers	–	6 831	27	101	434	635	558	1 383	2 135	742	563	253	46.3
Other metal craftsmen	6	7 749	39	146	480	658	665	1 585	2 308	952	709	207	46.3
Printing craftsmen	8	12 910	160	477	1 390	1 652	1 469	2 936	2 386	1 033	789	618	39.5
Compositors and typesetters	3	5 315	67	171	517	561	519	1 201	1 083	483	418	295	41.8
Pressmen and plate printers, printing	5	5 468	70	200	745	888	628	1 227	877	377	239	217	36.7
Stationary engineers and power station operators	–	4 669	14	12	159	268	322	937	1 494	679	503	281	49.2
Other craftsmen and kindred workers	275	33 923	444	884	3 562	3 816	2 972	6 514	7 436	3 344	2 640	2 311	43.1

Table 174. Occupation of Employed Persons by Age, Race, and Sex: 1970—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Persons 14 and 15 years old	Persons 16 years old and over											
		Total	16 and 17 years	18 and 19 years	20 to 24 years	25 to 29 years	30 to 34 years	35 to 44 years	45 to 54 years	55 to 59 years	60 to 64 years	65 years and over	Median age
THE STATE—Continued													
Total—Continued													
Male employed—Continued													
Operatives, except transport	**1 294**	**181 289**	**7 214**	**10 398**	**21 052**	**18 839**	**14 583**	**31 237**	**39 431**	**18 832**	**12 990**	**6 713**	**40.9**
Assemblers	41	12 355	372	719	1 653	1 488	948	2 039	2 564	1 303	945	324	39.9
Checkers, examiners, and inspectors; manufacturing	–	11 816	62	254	1 277	1 287	864	2 254	3 096	1 488	972	262	44.6
Garage workers and gas station attendants	299	7 735	2 124	2 105	1 269	362	215	454	505	252	201	248	19.7
Laundry and drycleaning operatives, n.e.c	20	2 009	152	142	206	158	170	238	436	186	182	139	42.4
Meat cutters and butchers	17	6 675	140	162	513	677	572	1 415	1 489	759	493	455	44.0
Mine operatives, n.e.c	–	247	26	15	10	19	10	41	97	4	20	5	45.3
Packers and wrappers, except produce	82	6 890	858	811	1 004	596	376	868	1 051	562	492	272	32.3
Painters, manufactured articles	8	2 069	34	118	291	225	242	325	452	197	124	61	38.8
Precision machine operatives	5	12 020	94	348	1 210	1 316	1 020	2 091	3 223	1 424	951	343	44.7
Sawyers	–	1 085	–	30	57	82	85	206	233	108	179	105	48.5
Stationary firemen	–	3 075	21	10	148	196	158	618	776	495	339	314	50.0
Textile operatives	10	6 642	167	342	553	365	443	1 058	1 619	961	753	381	47.4
Welders and flamecutters	6	8 674	31	241	1 082	1 177	908	1 702	2 069	931	398	135	40.3
Other metalworking operatives	21	8 451	198	357	818	883	645	1 496	1 982	991	765	316	43.9
Other specified operatives	557	34 178	1 028	1 617	3 927	3 638	3 036	6 063	7 128	3 418	2 490	1 833	41.3
Miscellaneous and not specified operatives	228	57 368	1 907	3 127	7 034	6 370	4 891	10 369	12 711	5 753	3 686	1 520	40.2
Occupation:													
Machine operatives, miscellaneous specified	71	24 641	519	1 082	2 794	2 739	2 153	4 616	5 989	2 498	1 542	709	41.6
Machine operatives, not specified	15	13 350	172	728	1 751	1 737	1 194	2 656	2 703	1 183	939	287	39.1
Miscellaneous operatives	111	12 459	741	800	1 693	1 212	962	1 963	2 603	1 362	786	337	39.2
Not specified operatives	31	6 918	475	517	796	682	582	1 134	1 416	710	419	187	38.6
Industry:													
Manufacturing	119	49 950	1 403	2 656	6 000	5 533	4 312	9 123	11 313	5 068	3 249	1 293	40.6
Durable goods	41	26 309	542	1 338	3 358	3 099	2 168	4 585	6 159	2 684	1 784	592	40.8
Wood products, including furniture	15	1 603	100	94	175	122	94	207	328	177	185	121	45.3
Primary metal industries	–	3 046	37	99	257	261	258	606	792	397	257	82	45.1
Fabricated metal industries	–	3 131	90	202	388	331	240	569	744	274	217	76	40.5
Machinery, including electrical	14	9 322	151	513	1 258	1 207	753	1 539	2 225	902	597	177	40.1
Motor vehicles and equipment	–	320	–	–	21	22	31	100	81	49	11	5	43.6
Transportation equipment, except motor vehicles	–	1 605	–	111	253	189	125	258	401	173	83	12	39.8
Other durable goods	12	7 282	164	319	1 006	967	667	1 306	1 588	712	434	119	39.0
Nondurable goods	78	23 296	861	1 298	2 610	2 364	2 126	4 455	5 104	2 351	1 446	681	40.4
Food and kindred products	14	2 791	96	120	275	263	279	532	603	319	165	139	41.8
Apparel and other fabricated textile products	–	1 145	202	123	123	114	89	74	204	81	71	64	30.6
Paper and allied products	6	6 272	98	345	695	682	647	1 382	1 314	658	311	140	39.8
Chemicals and allied products	–	2 724	48	133	250	354	216	664	681	190	153	35	40.4
Other nondurable goods	58	10 364	417	577	1 267	951	895	1 803	2 302	1 103	746	303	41.0
Not specified manufacturing industries	–	345	–	20	32	70	18	83	50	33	19	20	38.9
Nonmanufacturing industries	109	7 418	504	471	1 034	837	579	1 246	1 398	685	437	227	37.3
Transportation, communications, and other public utilities	–	1 231	17	34	136	178	108	275	280	85	94	24	40.2
Wholesale and retail trade	92	3 412	310	293	467	354	253	538	541	343	195	118	35.5
All other industries	17	2 775	177	144	431	305	218	433	577	257	148	85	37.6
Transport equipment operatives	**254**	**66 865**	**781**	**2 356**	**7 913**	**8 202**	**7 023**	**13 787**	**14 825**	**6 202**	**3 628**	**2 148**	**40.2**
Bus drivers	–	4 421	–	5	168	523	355	809	1 154	614	472	321	48.0
Taxicab drivers and chauffeurs	10	5 468	35	218	843	498	327	841	1 180	585	471	470	44.7
Truck drivers and deliverymen	155	47 050	581	1 691	5 678	6 181	5 369	10 291	10 223	4 077	2 072	887	38.9
Other transport equipment operatives	89	9 926	165	442	1 224	1 000	972	1 846	2 268	926	613	470	41.3
Laborers, except farm	**2 732**	**74 373**	**10 611**	**8 033**	**10 294**	**6 446**	**4 804**	**10 713**	**12 081**	**4 986**	**3 512**	**2 893**	**31.9**
Construction laborers	127	15 400	620	1 002	2 724	1 833	1 493	2 941	2 937	971	593	286	35.1
Freight, stock, and material handlers	1 110	30 318	7 205	4 401	4 047	2 210	1 498	3 634	3 974	1 681	938	730	24.4
Other specified laborers	1 200	17 923	1 716	1 695	2 131	1 535	1 229	2 486	3 124	1 419	1 319	1 269	37.6
Miscellaneous and not specified laborers	295	10 732	1 070	935	1 392	868	584	1 652	2 046	915	662	608	38.1
Occupation:													
Miscellaneous laborers	68	3 147	180	212	317	227	168	588	690	356	241	168	43.0
Not specified laborers	227	7 585	890	723	1 075	641	416	1 064	1 356	559	421	440	35.4
Industry:													
Manufacturing	38	4 513	336	452	637	404	212	644	913	408	295	212	38.3
Durable goods	17	2 521	179	280	371	214	106	319	537	215	173	127	38.5
Wood products, including furniture	–	218	54	23	30	20	11	18	13	11	21	17	25.5
Metal industries	–	784	44	64	117	65	35	95	183	94	72	15	42.1
Machinery, including electrical	9	690	36	99	108	33	20	99	127	72	56	40	39.9
Transportation equipment	–	239	11	19	44	31	10	32	55	21	10	6	36.4
Other durable goods	8	590	34	75	72	65	30	75	159	17	14	49	37.5
Nondurable goods	21	1 942	157	166	256	190	106	321	357	193	117	79	38.0
Food and kindred products	5	325	14	13	78	21	15	41	68	29	18	28	40.2
Not specified manufacturing industries	–	50	–	6	10	–	–	4	19	–	5	6	...
Nonmanufacturing industries	257	6 219	734	483	755	464	372	1 008	1 133	507	367	396	38.0
Railroads and railway express service	–	349	–	12	20	38	30	43	98	36	53	19	48.2
Transportation, except railroads	–	290	5	16	23	25	48	69	62	17	20	5	39.1
Communications, and utilities and sanitary services	11	1 083	41	71	150	52	58	265	243	86	66	51	41.4
Wholesale and retail trade	89	1 930	437	188	219	158	92	257	260	97	114	108	28.8
All other industries	157	2 567	251	196	343	191	144	374	470	271	114	213	39.2
Farmers and farm managers	**–**	**4 609**	**10**	**89**	**228**	**266**	**259**	**925**	**1 213**	**548**	**398**	**673**	**49.3**
Farm laborers and farm foremen	**597**	**5 028**	**866**	**440**	**668**	**488**	**225**	**598**	**762**	**280**	**281**	**420**	**31.2**
Paid farm laborers and farm foremen	554	4 732	788	384	614	471	203	587	749	272	281	383	32.7
Unpaid family workers	43	296	78	56	54	17	22	11	13	8	–	37	21.3
Service workers, except private household[1]	**3 973**	**135 700**	**11 000**	**8 186**	**12 302**	**9 555**	**8 454**	**22 734**	**27 543**	**12 752**	**11 671**	**11 503**	**43.1**
Cleaning service workers	1 041	40 962	2 938	2 060	2 594	1 627	1 635	5 179	9 436	5 345	5 362	4 786	49.7
Food service workers	2 196	32 288	6 852	4 072	3 973	2 086	1 527	3 627	4 311	2 198	1 747	1 895	28.0
Cooks, except private household	274	11 913	1 504	1 221	1 356	851	802	1 810	2 110	930	776	553	36.2
Busboys and dishwashers	1 197	6 081	2 764	1 213	774	145	96	206	279	162	122	320	18.5
Health service workers	37	5 201	309	423	1 179	490	358	823	770	387	299	163	32.8
Personal service workers	189	11 060	437	507	1 166	1 283	960	1 934	1 699	975	921	1 178	41.1
Protective service workers	25	35 838	33	217	1 721	3 084	3 263	9 389	9 616	3 064	2 669	2 782	45.2
Firemen, fire protection	6	10 918	–	8	266	842	1 158	3 457	3 810	869	479	29	44.2
Guards and watchmen	10	10 283	33	166	722	526	507	1 520	2 177	1 201	1 387	2 044	52.7
Policemen and detectives	5	13 253	–	38	702	1 661	1 557	4 241	3 363	841	605	245	41.3
Private household workers	**170**	**841**	**118**	**59**	**68**	**38**	**35**	**84**	**168**	**81**	**31**	**159**	**46.1**

[1]Includes allocated cases not shown separately.

Table 174. Occupation of Employed Persons by Age, Race, and Sex: 1970—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Persons 14 and 15 years old	Persons 16 years old and over: Total	16 and 17 years	18 and 19 years	20 to 24 years	25 to 29 years	30 to 34 years	35 to 44 years	45 to 54 years	55 to 59 years	60 to 64 years	65 years and over	Median age
THE STATE—Continued													
Total—Continued													
Female employed	**9 376**	**926 302**	**38 124**	**53 297**	**142 028**	**80 877**	**59 420**	**158 919**	**200 588**	**86 244**	**62 657**	**44 148**	**40.6**
Professional, technical, and kindred workers	**226**	**159 968**	**599**	**2 212**	**32 460**	**26 061**	**14 770**	**28 661**	**26 703**	**12 090**	**9 771**	**6 641**	**36.4**
Accountants	–	6 467	30	121	1 093	553	490	1 147	1 709	641	416	267	43.3
Computer specialists	–	2 361	–	64	858	621	288	311	149	50	15	5	27.1
Librarians	43	3 435	52	161	448	291	159	503	847	375	366	233	46.2
Mathematical specialists	–	482	–	14	101	91	42	59	86	24	59	6	34.2
Life and physical scientists	5	1 114	–	11	233	195	144	201	227	59	22	22	34.1
Registered nurses, dietitians, and therapists	28	39 101	68	387	6 987	5 815	3 876	7 911	7 038	3 365	2 326	1 328	38.1
Dietitians	5	1 307	23	56	169	148	77	245	251	148	122	68	42.4
Registered nurses	23	35 882	45	257	6 335	5 295	3 637	7 374	6 537	3 099	2 108	1 195	38.2
Health technologists and technicians	11	6 966	80	274	2 482	1 234	568	881	746	286	284	131	27.6
Social scientists	–	859	5	2	165	158	82	200	131	53	31	32	35.9
Social and recreation workers	13	5 106	43	93	1 224	895	323	763	855	423	361	126	34.6
Teachers: College and university	–	4 961	10	104	737	979	606	1 072	822	229	238	164	35.4
Elementary and prekindergarten	41	37 782	96	92	7 937	6 724	3 453	6 965	5 468	2 875	2 616	1 556	35.8
Secondary	10	16 125	7	19	3 478	3 172	1 463	2 662	2 354	1 279	1 095	596	34.7
Other teachers	30	4 147	38	94	478	631	503	710	646	295	213	539	39.6
Engineering and science technicians	11	3 384	12	123	809	360	267	552	770	292	133	66	37.2
Technicians, except health, and engineering and science	–	437	–	21	67	71	30	80	83	41	31	13	38.7
Writers, artists, and entertainers	5	7 381	85	282	1 466	1 143	765	1 304	1 165	426	302	443	34.7
Actors and dancers	–	173	21	9	55	14	16	19	14	16	9	–	25.5
Authors, editors, and reporters	–	2 556	12	33	482	513	300	422	430	141	94	129	34.0
Other professional, technical, and kindred workers	29	19 860	73	350	3 897	3 128	1 711	3 340	3 607	1 377	1 263	1 114	37.3
Managers and administrators, except farm	**47**	**28 930**	**79**	**415**	**2 560**	**2 144**	**1 754**	**5 435**	**7 902**	**3 711**	**2 772**	**2 158**	**47.6**
Buyers, purchasing agents, and sales managers	–	4 269	25	71	666	338	291	678	1 185	401	352	262	45.6
Restaurant, cafeteria, and bar managers	6	1 912	–	26	35	71	57	437	676	327	185	98	49.9
School administrators	–	2 412	–	20	55	139	170	527	532	348	395	226	50.5
Other specified managers and administrators	32	7 030	30	141	753	585	342	1 293	1 801	852	754	479	47.1
Managers and administrators, n.e.c., salaried	9	10 837	24	157	1 010	963	779	2 151	2 899	1 328	803	723	46.2
Wholesale and retail trade	9	3 331	14	54	358	236	195	604	903	427	259	281	47.3
Managers and administrators, n.e.c., self-employed	–	2 470	–	–	41	48	115	349	809	455	283	370	53.4
Wholesale and retail trade	–	1 557	–	–	23	35	66	233	478	274	188	260	53.8
Sales workers	**1 163**	**65 625**	**7 248**	**5 476**	**5 955**	**3 193**	**3 111**	**9 790**	**14 452**	**6 833**	**5 050**	**4 517**	**43.0**
Demonstrators, hucksters, and peddlers	–	1 494	20	41	167	276	190	343	247	141	23	46	36.5
Insurance, real estate agents, and brokers	7	4 508	25	112	533	340	340	906	1 161	428	330	333	45.0
Sales clerks, retail trade	630	47 952	6 469	4 421	3 592	1 685	1 874	6 762	10 862	5 168	3 800	3 319	43.8
Salesmen, retail trade	14	1 332	43	83	134	56	62	267	318	135	115	119	45.7
Other sales workers	512	10 339	691	819	1 529	836	645	1 512	1 864	961	782	700	39.3
Clerical and kindred workers	**1 773**	**339 144**	**13 756**	**28 148**	**67 444**	**28 511**	**19 806**	**55 971**	**68 529**	**25 936**	**18 884**	**12 159**	**37.1**
Bank tellers	4	6 674	103	660	1 615	557	503	1 232	1 240	450	228	86	34.0
Bookkeepers	52	39 717	426	1 590	5 389	2 630	2 359	7 530	10 236	4 039	3 157	2 361	44.9
Cashiers	249	20 746	4 487	2 990	2 359	1 102	1 158	2 932	3 341	1 068	794	515	27.4
Counter clerks, except food	82	4 241	453	428	560	210	190	658	951	352	303	136	39.2
Enumerators and interviewers	–	847	23	16	160	125	72	194	134	44	50	29	36.4
File clerks	95	11 135	1 347	1 985	2 092	579	408	1 242	1 901	804	496	281	26.2
Office machine operators	31	14 869	208	1 391	3 862	1 907	1 187	2 703	2 276	653	464	218	30.3
Bookkeeping and billing machine operators	–	1 594	15	166	270	181	140	271	351	88	76	36	35.9
Keypunch operators	15	9 862	147	969	2 969	1 432	815	1 757	1 229	313	165	66	28.0
Payroll and timekeeping clerks	–	4 234	30	215	643	253	184	813	1 119	477	302	198	44.7
Receptionists	49	6 959	289	792	1 565	457	346	963	1 263	505	372	407	35.3
Secretaries	105	86 904	776	4 785	23 260	10 409	5 390	13 689	16 474	5 485	4 121	2 515	33.9
Stenographers	–	2 568	5	173	514	159	95	429	581	258	197	157	42.9
Telephone operators	56	14 137	830	1 725	1 936	702	823	2 862	2 618	1 156	961	524	38.7
Typists	117	33 555	1 343	4 127	7 192	2 473	1 862	5 010	6 404	2 440	1 777	927	34.4
Other clerical and kindred workers	933	92 558	3 436	7 271	16 297	6 948	5 229	15 714	19 991	8 205	5 662	3 805	39.5
Craftsmen and kindred workers	**82**	**16 410**	**246**	**451**	**1 280**	**1 135**	**942**	**3 228**	**4 651**	**2 031**	**1 522**	**924**	**47.0**
Foremen, n.e.c	–	4 530	13	67	186	280	242	901	1 494	649	470	228	48.9
Operatives, except transport	**852**	**153 393**	**3 786**	**4 808**	**11 611**	**8 864**	**9 222**	**29 337**	**45 807**	**21 049**	**12 492**	**6 417**	**47.0**
Assemblers	24	18 467	425	663	1 789	1 208	1 042	3 783	5 906	2 152	1 141	358	45.5
Bottling and canning operatives	5	245	9	10	22	14	17	41	65	17	28	22	46.5
Checkers, examiners, and inspectors; manufacturing	9	13 336	132	279	931	682	562	2 723	4 392	2 132	1 100	403	48.1
Dressmakers and seamstresses, except factory	–	2 269	17	32	66	39	74	355	598	401	274	413	54.2
Laundry and drycleaning operatives, including ironers	13	6 489	244	190	378	267	303	1 079	1 938	903	694	493	49.0
Graders and sorters, manufacturing	–	709	20	11	41	12	43	78	282	113	71	38	50.3
Packers and wrappers, except produce	83	16 112	1 082	911	1 162	967	1 052	3 068	4 426	1 966	1 000	478	44.4
Sewers and stitchers	30	31 185	456	596	1 780	1 613	1 915	5 672	9 594	5 155	2 891	1 513	48.7
Textile operatives	4	4 622	100	123	306	231	221	780	1 358	723	559	221	49.1
Other specified operatives	598	28 891	610	1 033	2 707	1 932	1 922	5 345	7 920	3 332	2 534	1 556	46.1
Miscellaneous and not specified operatives	86	31 068	691	960	2 429	1 899	2 071	6 413	9 328	4 155	2 200	922	46.1
Manufacturing	37	27 588	506	755	2 079	1 691	1 866	5 936	8 307	3 736	1 985	727	46.2
Durable goods	9	13 542	172	292	1 134	858	961	3 116	4 204	1 798	756	251	45.6
Machinery, including electrical	–	6 792	69	146	478	431	442	1 632	2 355	844	303	92	45.8
Other durable goods	9	6 750	103	146	656	427	519	1 484	1 849	954	453	159	45.2
Nondurable goods, including not specified manufacturing	28	14 046	334	463	945	833	905	2 820	4 103	1 938	1 229	476	46.8
Food and kindred products	5	1 011	20	40	40	61	57	261	217	178	72	65	46.2
Apparel and other fabricated textile products	5	2 964	160	117	142	121	177	509	948	386	273	131	47.7
Nonmanufacturing industries	49	3 480	185	205	350	208	205	477	1 021	419	215	195	46.1
Transport equipment operatives	**42**	**2 927**	**43**	**47**	**188**	**416**	**443**	**860**	**520**	**203**	**129**	**78**	**38.8**
Laborers, except farm	**115**	**6 543**	**466**	**535**	**735**	**355**	**355**	**1 159**	**1 523**	**601**	**506**	**308**	**42.1**
Farmers and farm managers	**5**	**593**	**13**	**5**	**26**	**19**	**44**	**97**	**192**	**83**	**52**	**62**	**49.8**
Farm laborers and farm foremen	**31**	**1 134**	**82**	**44**	**122**	**49**	**103**	**256**	**230**	**79**	**93**	**76**	**41.5**
Paid farm laborers and farm foremen	26	878	62	22	94	49	99	207	177	40	58	70	40.5
Unpaid family workers	5	256	20	22	28	–	4	49	53	39	35	6	45.9
Service workers, except private household[1]	**2 998**	**137 249**	**10 808**	**10 636**	**18 690**	**9 620**	**8 396**	**22 612**	**27 828**	**11 813**	**9 241**	**7 605**	**39.6**
Cleaning service workers	229	13 020	530	544	494	428	465	1 764	3 133	1 956	1 821	1 885	52.3
Chambermaids and maids	106	4 605	291	268	192	181	138	697	1 056	605	573	604	50.1
Food service workers	1 355	53 579	6 485	4 182	4 906	3 515	3 435	9 855	11 622	4 452	2 986	2 141	39.3
Cooks, except private household	66	8 057	278	163	274	230	307	1 438	2 644	1 196	923	604	50.1
Waiters and food counter workers	785	35 143	4 938	3 206	3 992	3 077	2 693	6 724	6 375	2 052	1 207	879	34.4
Health service workers	428	36 987	2 742	3 825	7 039	2 601	2 246	5 590	6 501	2 906	2 173	1 364	35.1
Nursing aides, orderlies, and attendants	285	19 161	1 817	2 169	2 945	1 307	1 382	3 123	3 389	1 415	1 024	590	34.9
Practical nurses	10	10 010	68	315	1 868	835	597	1 710	2 161	1 016	858	582	42.7
Personal service workers	252	19 939	344	978	4 311	1 927	1 251	3 053	3 975	1 528	1 249	1 323	38.8
Hairdressers and cosmetologists	26	10 064	60	500	2 765	1 208	640	1 533	1 931	658	441	328	33.9
Private household workers	**2 042**	**14 386**	**998**	**520**	**957**	**510**	**474**	**1 513**	**2 251**	**1 815**	**2 145**	**3 203**	**54.9**
Private household workers, living in	–	2 492	5	34	235	101	91	254	367	306	369	730	57.6
Private household workers, living out	2 042	11 894	993	486	722	409	383	1 259	1 884	1 509	1 776	2 473	54.0

[1]Includes protective service workers and allocated cases not shown separately.

Table 174. Occupation of Employed Persons by Age, Race, and Sex: 1970—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Persons 14 and 15 years old	Persons 16 years old and over											
		Total	16 and 17 years	18 and 19 years	20 to 24 years	25 to 29 years	30 to 34 years	35 to 44 years	45 to 54 years	55 to 59 years	60 to 64 years	65 years and over	Median age
THE STATE—Continued													
Negro													
Male employed	**288**	**30 614**	**766**	**1 165**	**3 885**	**4 487**	**3 791**	**6 734**	**5 907**	**1 744**	**1 230**	**905**	**36.8**
Professional, technical, and kindred workers	6	3 263	6	64	573	683	524	713	489	106	40	65	32.9
Engineers	–	330	–	–	16	77	59	112	60	–	6	–	36.2
Lawyers and judges	–	41	–	–	15	5	–	5	11	–	5	–	...
Life and physical scientists	–	62	–	–	6	–	6	31	8	7	–	4	...
Physicians, dentists, and related practitioners	–	74	–	–	–	11	8	33	17	5	–	–	...
Health workers, except practitioners	–	267	6	3	33	51	14	42	91	8	9	10	41.3
Social and recreation workers	–	182	–	12	51	23	39	15	32	10	–	–	30.6
Teachers	–	453	–	17	55	123	94	69	47	37	3	8	31.7
Technicians, except health	6	592	–	–	100	128	96	172	72	20	4	–	33.5
Writers, artists, and entertainers	–	315	–	6	98	89	61	27	30	4	–	–	28.0
Other professional, technical, and kindred workers	–	947	–	26	199	176	147	207	121	15	13	43	32.5
Managers and administrators, except farm	–	1 532	7	20	138	250	212	376	333	76	42	78	38.7
Salaried	–	1 337	7	20	133	241	201	318	259	59	37	62	37.1
Manufacturing	–	156	–	–	17	33	20	46	24	6	5	5	36.7
Retail trade	–	343	4	14	40	89	44	63	52	9	6	22	32.8
All other industries	–	838	3	6	76	119	137	209	183	44	26	35	38.7
Self-employed	–	195	–	–	5	9	11	58	74	17	5	16	47.0
Retail trade	–	65	–	–	–	4	5	19	28	9	–	–	...
All other industries	–	130	–	–	5	5	6	39	46	8	5	16	47.2
Sales workers	23	916	31	71	113	154	142	243	100	30	9	23	33.1
Manufacturing and wholesale trade	9	193	14	13	21	58	37	34	16	–	–	–	29.2
Retail trade	14	454	17	51	70	57	63	125	36	17	4	14	32.5
All other industries	–	269	–	7	22	39	42	84	48	13	5	9	37.9
Clerical and kindred workers	47	2 922	106	192	503	439	270	566	499	183	115	49	34.1
Bookkeepers and billing clerks	–	149	–	–	38	33	15	40	14	4	5	–	31.2
Mail handlers and postal clerks	–	594	12	27	65	43	39	130	139	93	38	8	43.5
Other clerical and kindred workers	47	2 179	94	165	400	363	216	396	346	86	72	41	31.6
Craftsmen and kindred workers	5	5 155	77	162	629	766	753	1 243	1 069	224	151	81	36.5
Carpenters	–	382	3	5	51	25	27	147	100	24	–	–	40.4
Construction craftsmen, except carpenters	–	880	–	36	67	126	138	214	210	37	31	21	38.4
Automobile mechanics, including body repairmen	–	597	5	6	82	86	121	138	103	23	27	6	34.9
Mechanics and repairmen, except auto	–	583	6	3	56	118	73	173	121	14	14	5	37.1
Machinists	–	255	–	3	57	32	41	57	40	7	14	4	34.3
Metal craftsmen, except mechanics and machinists	–	330	6	11	33	59	31	87	61	14	28	–	37.9
Foremen, n.e.c	–	493	4	6	27	62	77	157	115	27	13	5	39.5
Other craftsmen and kindred workers	5	1 635	53	92	256	258	245	270	319	78	24	40	33.2
Operatives, except transport	22	6 496	106	207	923	1 137	930	1 358	1 200	309	209	117	34.7
Assemblers	–	326	5	10	53	63	70	73	42	10	–	–	32.3
Garage workers and gas station attendants	–	167	15	13	33	30	9	37	22	4	4	–	28.8
Laundry and drycleaning operatives, including ironers	–	402	5	9	38	48	30	97	98	36	15	26	42.3
Precision machine operatives	–	213	–	7	24	63	23	44	25	12	15	–	32.7
Other operatives, except transport	22	5 388	81	168	775	933	798	1 107	1 013	247	175	91	34.6
Durable goods, manufacturing	8	2 090	14	89	358	383	283	443	367	71	54	28	33.6
Nondurable goods, including not specified manufacturing	10	2 056	31	48	244	314	366	424	408	94	89	38	35.6
Nonmanufacturing industries	4	1 242	36	31	173	236	149	240	238	82	32	25	34.9
Transport equipment operatives	4	1 958	4	40	232	324	209	480	445	82	102	40	38.5
Truck drivers	–	873	–	23	63	125	134	224	203	36	51	14	39.1
Other transport equipment operatives	4	1 085	4	17	169	199	75	256	242	46	51	26	38.1
Laborers, except farm	92	2 634	147	175	328	257	247	477	582	243	137	41	38.4
Construction laborers	–	556	–	–	66	68	62	106	197	26	25	6	42.7
Freight, stock, and material handlers	29	884	107	97	119	67	69	171	129	73	30	22	33.8
Other laborers, except farm	63	1 194	40	78	143	122	116	200	256	144	82	13	39.9
Manufacturing industries	–	311	7	16	44	47	10	39	84	45	15	4	43.1
Farmers and farm managers	–	63	–	–	10	–	5	12	23	8	5	–	...
Farm laborers and farm foremen	4	120	10	3	18	23	10	28	11	–	5	12	33.0
Service workers, except private household[1]	85	5 460	272	228	408	441	489	1 233	1 110	475	415	389	42.2
Cleaning service workers	21	2 123	80	61	104	151	157	471	529	180	210	180	45.7
Food service workers	33	1 082	146	80	58	67	114	167	197	96	86	71	39.6
Health service workers	–	384	4	38	43	29	62	124	52	6	16	10	36.3
Personal service workers	17	413	13	18	30	27	47	64	113	40	13	48	45.7
Protective service workers	–	508	4	5	36	61	47	112	104	59	45	35	44.0
Private household workers	–	95	–	3	10	13	–	5	46	8	–	10	...
Female employed	**213**	**26 072**	**725**	**1 468**	**4 250**	**3 487**	**2 785**	**5 262**	**4 652**	**1 444**	**1 070**	**929**	**35.6**
Professional, technical, and kindred workers	–	3 305	38	71	542	527	392	856	579	138	122	40	36.0
Registered nurses	–	780	–	4	108	112	95	215	184	20	38	4	38.3
Health workers, except nurses	–	350	5	14	62	48	45	79	67	10	20	–	35.1
Teachers, elementary and secondary schools	–	849	10	–	107	134	97	267	139	51	31	13	37.9
Technicians, except health	–	133	5	5	37	20	24	10	15	12	5	–	29.9
Other professional, technical, and kindred workers	–	1 193	18	48	228	213	131	285	174	45	28	23	33.4
Managers and administrators, except farm	–	462	7	31	36	53	47	140	87	16	37	8	39.1
Salaried	–	442	7	31	36	50	47	131	83	16	37	4	38.8
Self-employed	–	20	–	–	–	3	–	9	4	–	–	4	...
Sales workers	18	755	95	61	131	91	105	105	105	27	20	15	30.0
Retail trade	18	605	82	29	95	86	94	70	105	18	16	10	30.6
Clerical and kindred workers	101	8 330	339	902	2 057	1 250	813	1 368	989	297	184	131	28.5
Bookkeepers and cashiers	–	668	40	63	184	70	76	70	88	44	11	22	28.4
Office machine operators	–	701	4	52	209	145	80	141	55	–	11	4	27.9
Secretaries, stenographers, and typists	12	2 483	76	260	721	380	298	357	261	46	50	34	27.4
Other clerical and kindred workers	89	4 478	219	527	943	655	359	800	585	207	112	71	29.2
Craftsmen and kindred workers	5	374	–	5	44	59	51	116	55	30	4	10	37.4
Operatives, except transport	8	4 944	60	104	635	738	589	1 070	1 114	274	205	155	38.2
Sewers and stitchers	–	563	–	8	20	51	33	103	220	65	43	20	48.0
Laundry and drycleaning operatives, including ironers	–	621	6	5	43	56	63	128	165	52	58	45	45.6
Other operatives, except transport	8	3 760	54	91	572	631	493	839	729	157	104	90	35.5
Durable goods, manufacturing	–	1 931	13	36	307	309	300	433	428	56	34	15	35.0
Nondurable goods, including not specified manufacturing	8	1 178	16	25	180	184	121	295	200	76	42	39	37.1
Nonmanufacturing industries	–	651	25	30	85	138	72	111	101	25	28	36	33.3
Transport equipment operatives	–	42	4	5	7	7	8	11	–	–	–	–	...
Laborers, except farm	6	291	11	15	55	26	28	59	52	15	9	21	36.8
Farmers and farm managers	–	19	–	–	–	–	9	5	5	–	–	–	...
Farm laborers and farm foremen	–	50	–	–	7	4	5	9	9	–	11	5	...
Service workers, except private household[1]	43	5 614	159	264	636	648	613	1 145	1 239	396	250	264	39.3
Cleaning service workers	–	890	–	28	50	71	59	184	222	135	66	75	47.4
Food service workers	12	755	36	26	104	51	70	163	175	60	38	32	40.6
Health service workers	5	2 463	77	112	347	342	322	582	442	113	67	59	35.5
Practical nurses	–	509	6	–	43	58	59	165	97	33	25	23	40.4
Personal service workers	6	769	17	18	55	85	62	125	263	35	39	70	45.9
Protective service workers	–	75	–	3	–	19	–	34	15	4	–	–	...
Private household workers	32	1 886	12	10	100	84	125	378	418	251	228	280	50.6

[1]Includes allocated cases not shown separately.

Table 174. Occupation of Employed Persons by Age, Race, and Sex: 1970—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More

THE STATE—Continued

Persons of Spanish Language

	Persons 14 and 15 years old	Persons 16 years old and over											
		Total	16 and 17 years	18 and 19 years	20 to 24 years	25 to 29 years	30 to 34 years	35 to 44 years	45 to 54 years	55 to 59 years	60 to 64 years	65 years and over	Median age
Male employed	**145**	**13 160**	**444**	**602**	**2 010**	**2 418**	**1 885**	**3 120**	**1 657**	**476**	**227**	**321**	**32.9**
Professional, technical, and kindred workers	3	2 429	–	16	282	603	492	599	271	89	13	64	33.2
Engineers	–	450	–	–	14	114	70	152	78	14	–	8	36.8
Lawyers and judges	–	19	–	–	–	–	–	8	11	–	–	–	...
Life and physical scientists	–	63	–	–	6	8	41	8	–	–	–	–	...
Physicians, dentists, and related practitioners	–	255	–	–	–	74	92	61	10	14	–	4	32.9
Health workers, except practitioners	–	45	–	–	–	7	7	31	–	–	–	–	...
Social and recreation workers	3	32	–	–	3	29	–	–	–	–	–	–	...
Teachers	–	428	–	–	55	63	84	129	44	42	6	5	35.9
Technicians, except health	–	333	–	10	66	122	68	32	35	–	–	–	28.7
Writers, artists, and entertainers	–	173	–	6	38	44	35	8	21	–	7	14	29.8
Other professional, technical, and kindred workers	–	631	–	–	100	142	95	170	72	19	–	33	33.9
Managers and administrators, except farm	–	1 109	5	–	33	168	154	382	202	72	50	43	40.1
Salaried	–	897	5	–	33	124	134	316	193	65	20	7	39.8
Manufacturing	–	207	–	–	6	26	54	61	52	8	–	–	37.9
Retail trade	–	169	–	–	5	28	8	75	38	8	7	–	40.8
All other industries	–	521	5	–	22	70	72	180	103	49	13	7	40.1
Self-employed	–	212	–	–	–	44	20	66	9	7	30	36	41.4
Retail trade	–	118	–	–	–	22	20	30	9	–	30	7	40.7
All other industries	–	94	–	–	–	22	–	36	–	7	–	29	...
Sales workers	28	507	39	15	15	151	47	103	79	36	–	22	33.6
Manufacturing and wholesale trade	28	141	21	–	–	28	13	43	30	6	–	–	37.0
Retail trade	–	178	18	15	15	45	14	21	6	30	–	14	29.6
All other industries	–	188	–	–	–	78	20	39	43	–	–	8	34.0
Clerical and kindred workers	12	885	45	59	222	155	119	140	100	15	8	22	28.8
Bookkeepers and billing clerks	–	121	–	8	34	25	9	26	19	–	–	–	28.7
Mail handlers and postal clerks	–	103	–	11	25	5	–	39	16	–	–	7	37.7
Other clerical and kindred workers	12	661	45	40	163	125	110	75	65	15	8	15	28.3
Craftsmen and kindred workers	3	2 119	16	90	336	377	302	540	279	106	35	38	34.0
Carpenters	–	146	–	–	20	27	6	41	28	13	5	6	39.9
Construction craftsmen, except carpenters	–	257	–	28	19	42	22	85	40	11	–	10	37.1
Automobile mechanics, including body repairmen	–	319	–	11	59	52	73	94	8	22	–	–	32.6
Mechanics and repairmen, except auto	–	346	7	17	38	71	51	104	39	9	10	–	33.9
Machinists	–	194	–	22	11	41	31	23	39	16	7	4	33.7
Metal craftsmen, except mechanics and machinists	–	95	–	–	–	32	20	32	7	4	–	–	...
Foremen, n.e.c.	–	185	–	5	20	22	27	60	40	–	–	11	38.1
Other craftsmen and kindred workers	3	577	9	7	169	90	72	101	78	31	13	7	30.9
Operatives, except transport	30	3 318	85	211	713	542	493	677	371	98	78	50	31.1
Assemblers	–	205	6	19	33	39	8	39	31	7	14	9	33.4
Garage workers and gas station attendants	–	54	7	17	13	–	5	12	–	–	–	–	...
Laundry and drycleaning operatives, including ironers	–	100	–	7	15	14	9	12	12	6	18	7	...
Precision machine operatives	–	170	–	–	32	24	49	38	6	21	–	–	33.0
Other operatives, except transport	30	2 789	72	168	620	465	422	576	322	64	46	34	30.8
Durable goods, manufacturing	–	906	13	43	227	187	122	170	95	15	30	4	29.5
Nondurable goods, including not specified manufacturing	22	1 533	44	106	323	210	228	381	174	38	6	23	31.8
Nonmanufacturing industries	8	350	15	19	70	68	72	25	53	11	10	7	30.2
Transport equipment operatives	–	344	–	23	72	60	54	79	56	–	–	–	31.6
Truck drivers	–	104	–	10	8	21	21	18	26	–	–	–	33.1
Other transport equipment operatives	–	240	–	13	64	39	33	61	30	–	–	–	30.6
Laborers, except farm	10	785	126	69	118	112	70	210	54	–	15	11	28.5
Construction laborers	–	137	–	15	22	6	14	58	16	–	–	6	37.0
Freight, stock, and material handlers	10	353	79	28	57	37	33	90	29	–	–	–	26.7
Other laborers, except farm	–	295	47	26	39	69	23	62	9	–	15	5	27.6
Manufacturing industries	–	137	26	19	6	43	–	33	5	–	–	5	27.0
Farmers and farm managers	–	15	–	–	–	6	–	9	–	–	–	–	...
Farm laborers and farm foremen	13	301	15	33	49	52	7	71	26	7	7	34	31.1
Service workers, except private household[1]	46	1 343	113	86	165	192	147	310	219	53	21	37	33.9
Cleaning service workers	5	363	30	14	25	28	49	77	68	40	8	24	39.6
Food service workers	15	525	53	40	77	88	59	129	61	6	7	5	30.4
Health service workers	–	128	13	13	21	22	24	21	14	–	–	–	28.9
Personal service workers	15	123	–	–	35	31	5	32	20	–	–	–	29.3
Protective service workers	–	81	–	7	–	8	–	34	18	–	6	8	...
Private household workers	–	5	–	–	5	–	–	–	–	–	–	–	...
Female employed	**144**	**7 840**	**289**	**515**	**1 601**	**1 153**	**824**	**1 786**	**1 140**	**234**	**203**	**95**	**32.2**
Professional, technical, and kindred workers	–	1 106	8	21	253	294	120	165	152	41	39	13	29.6
Registered nurses	–	97	–	–	11	21	10	26	25	–	4	–	...
Health workers, except nurses	–	147	–	–	35	62	23	15	12	–	–	–	28.1
Teachers, elementary and secondary schools	–	257	–	–	76	58	23	47	47	–	6	–	29.5
Technicians, except health	–	43	–	–	7	12	–	–	14	–	10	–	...
Other professional, technical, and kindred workers	–	562	8	21	124	141	64	77	54	41	19	13	29.5
Managers and administrators, except farm	–	135	–	9	5	16	19	43	21	8	14	–	39.3
Salaried	–	106	–	9	5	16	5	33	16	8	14	–	40.5
Self-employed	–	29	–	–	–	–	14	10	5	–	–	–	...
Sales workers	6	320	50	32	59	27	23	53	51	6	19	–	28.5
Retail trade	6	254	43	20	48	27	16	53	28	6	13	–	28.0
Clerical and kindred workers	11	2 305	62	182	657	313	247	464	292	30	46	12	29.0
Bookkeepers and cashiers	–	374	36	21	98	24	30	82	60	10	7	6	31.3
Office machine operators	–	138	–	19	38	33	13	13	22	–	–	–	26.8
Secretaries, stenographers, and typists	4	825	8	73	265	146	65	159	77	6	20	6	27.3
Other clerical and kindred workers	7	968	18	69	256	110	139	210	133	14	19	–	31.1
Craftsmen and kindred workers	–	103	–	11	40	12	–	20	14	–	–	6	25.2
Operatives, except transport	31	2 379	66	154	402	321	268	675	345	90	41	17	34.6
Sewers and stitchers	–	591	–	18	83	86	60	166	116	45	–	17	37.9
Laundry and drycleaning operatives, including ironers	–	161	6	12	44	29	27	12	31	–	–	–	28.2
Other operatives, except transport	31	1 627	60	124	275	206	181	497	198	45	41	–	34.1
Durable goods, manufacturing	7	662	16	41	93	84	77	230	77	29	15	–	35.9
Nondurable goods, including not specified manufacturing	19	657	22	54	160	85	84	158	78	9	7	–	30.4
Nonmanufacturing industries	5	308	22	29	22	37	20	109	43	7	19	–	37.2
Transport equipment operatives	–	16	–	–	8	–	–	8	–	–	–	–	...
Laborers, except farm	8	72	8	6	18	10	–	22	8	–	–	–	...
Farmers and farm managers	–	–	–	–	–	–	–	–	–	–	–	–	–
Farm laborers and farm foremen	–	65	–	–	18	3	12	17	11	4	–	–	...
Service workers, except private household[1]	51	1 067	95	88	135	137	100	223	181	55	26	27	33.9
Cleaning service workers	10	201	19	6	17	12	12	49	38	23	17	8	42.0
Food service workers	–	230	43	13	15	37	25	28	50	19	–	–	31.4
Health service workers	–	419	26	65	65	34	49	106	52	13	9	–	32.0
Practical nurses	–	75	–	–	5	–	6	37	27	–	–	–	...
Personal service workers	–	165	7	–	18	45	14	26	41	–	–	14	34.5
Protective service workers	–	5	–	–	–	5	–	–	–	–	–	–	...
Private household workers	37	272	–	12	6	20	35	96	65	–	18	20	41.6

[1]Includes allocated cases not shown separately.

Table 174. Occupation of Employed Persons by Age, Race, and Sex: 1970—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Persons 14 and 15 years old	Persons 16 years old and over											
		Total	16 and 17 years	18 and 19 years	20 to 24 years	25 to 29 years	30 to 34 years	35 to 44 years	45 to 54 years	55 to 59 years	60 to 64 years	65 years and over	Median age
BOSTON SMSA													
Total													
Male employed	**7 456**	**670 535**	**20 620**	**24 820**	**72 397**	**77 449**	**62 847**	**139 301**	**138 498**	**55 928**	**43 765**	**34 910**	**40.5**
Professional, technical, and kindred workers	**107**	**138 376**	**367**	**1 616**	**17 054**	**23 770**	**18 248**	**32 869**	**24 644**	**7 968**	**6 555**	**5 285**	**37.5**
Accountants	8	11 636	14	30	1 306	2 030	1 296	2 509	2 198	763	855	635	39.6
Architects	–	1 829	–	–	138	376	355	409	268	105	59	119	36.1
Computer specialists	–	4 987	17	168	1 022	1 484	908	1 019	267	69	15	18	29.3
Engineers	9	26 987	5	62	1 952	3 684	3 592	8 235	6 106	1 566	1 148	637	40.1
Aeronautical and astronautical	–	784	–	–	69	129	107	238	194	24	18	5	38.7
Civil	–	3 925	–	20	277	466	514	1 070	809	316	245	208	41.4
Electrical and electronic	–	8 254	–	12	688	1 165	1 228	2 776	1 696	372	251	66	38.7
Mechanical	5	3 691	5	–	237	456	472	1 132	864	260	174	91	41.0
Other engineers	4	10 333	–	30	681	1 468	1 271	3 019	2 543	594	460	267	40.7
Lawyers and judges	–	6 167	5	11	161	794	763	1 395	1 186	528	540	784	44.7
Life and physical scientists	–	3 509	5	15	193	582	549	1 047	712	207	107	92	38.9
Chemists	–	1 726	–	8	112	276	216	460	386	131	68	69	40.5
Physicians, dentists, and related practitioners	–	11 314	–	30	299	1 505	1 585	2 612	2 284	1 011	904	1 084	43.6
Dentists	–	1 863	–	–	19	206	220	471	422	187	102	236	45.4
Pharmacists	–	1 965	–	23	152	180	137	348	446	256	254	169	48.2
Physicians, medical and osteopathic	–	6 822	–	7	112	1 075	1 166	1 653	1 165	489	518	637	41.4
Other related practitioners	–	664	–	–	16	44	62	140	251	79	30	42	47.8
Health technologists and technicians	–	1 874	17	59	495	341	205	390	235	33	77	22	30.6
Religious workers	–	2 472	19	–	95	287	215	678	498	227	202	251	44.1
Social scientists	–	2 149	5	6	235	423	435	677	249	54	42	23	34.7
Social and recreation workers	17	1 862	27	88	366	269	186	328	309	120	98	71	34.9
Teachers	23	20 911	33	143	2 998	4 313	3 043	4 977	3 085	960	853	506	34.9
College and university	5	8 308	11	46	915	1 604	1 415	2 095	1 323	344	322	233	35.8
Elementary and prekindergarten	7	3 111	9	29	681	727	357	668	378	135	71	56	31.5
Secondary	11	7 975	–	12	1 209	1 733	1 087	1 906	1 147	373	385	123	34.8
Engineering and science technicians	19	13 376	91	377	2 991	2 531	1 480	2 600	2 099	689	389	129	32.4
Draftsmen and surveyors	19	5 763	32	191	1 395	1 068	552	1 081	862	270	202	110	31.8
Electrical and electronic engineering technicians	–	3 555	23	80	720	731	336	785	613	183	80	4	33.3
Technicians, except health, and engineering and science	5	1 800	–	32	210	234	239	481	401	109	69	25	38.8
Airplane pilots	–	460	–	–	18	49	80	156	123	19	15	–	40.3
Writers, artists, and entertainers	9	10 280	81	237	1 450	1 721	1 271	2 203	1 858	504	484	471	36.7
Other professional, technical, and kindred workers	17	17 223	48	358	3 143	3 196	2 126	3 309	2 889	1 023	713	418	34.4
Managers and administrators, except farm	**28**	**86 596**	**142**	**342**	**4 209**	**7 912**	**8 225**	**22 824**	**22 621**	**8 780**	**6 349**	**5 192**	**44.8**
Buyers, purchasing agents, and sales managers	–	12 753	11	68	698	1 407	1 432	3 353	3 198	1 352	755	479	43.2
School administrators	–	2 162	–	–	43	96	210	708	657	211	182	55	45.4
Specified managers and administrators, public administration	–	4 434	–	24	148	180	259	982	1 517	597	336	391	49.1
Other specified managers and administrators	16	15 699	64	121	1 379	1 834	1 552	3 707	3 453	1 499	1 139	951	42.8
Managers and administrators, n.e.c., salaried	12	44 006	67	125	1 810	3 901	4 346	12 562	11 638	4 050	3 148	2 359	44.4
Manufacturing	5	12 988	4	11	295	1 012	1 441	3 977	3 720	1 153	772	603	44.4
Wholesale and retail trade	7	12 867	36	60	677	1 203	1 171	3 168	3 262	1 293	1 135	862	45.4
Transportation, communications, and other public utilities	–	3 338	6	10	112	286	254	903	1 080	288	281	118	45.9
All other industries	–	14 813	21	44	726	1 400	1 480	4 514	3 576	1 316	960	776	43.3
Managers and administrators, n.e.c., self-employed	–	7 542	–	4	131	494	426	1 512	2 158	1 071	789	957	50.6
Construction	–	1 336	–	–	10	175	85	380	323	112	139	112	45.6
Manufacturing	–	794	–	–	9	39	26	176	245	90	68	141	51.0
Wholesale and retail trade	–	3 581	–	–	76	192	172	606	1 039	642	437	417	52.2
All other industries	–	1 831	–	4	36	88	143	350	551	227	145	287	50.3
Sales workers	**2 035**	**52 591**	**2 212**	**1 900**	**4 790**	**5 919**	**4 671**	**10 246**	**10 094**	**4 582**	**3 828**	**4 349**	**41.6**
Insurance agents, brokers, and underwriters	15	6 020	8	30	571	867	617	1 419	1 282	476	343	407	41.5
Real estate agents and brokers	–	2 337	–	–	133	181	206	459	591	249	208	310	48.2
Sales representatives, manufacturing industries	–	7 014	35	56	365	775	904	1 719	1 573	696	483	408	43.0
Sales representatives, wholesale trade	13	10 542	54	54	581	1 497	1 006	2 278	2 347	1 056	874	795	44.1
Sales clerks, retail trade	259	12 559	1 520	1 297	1 724	855	523	1 514	1 869	1 014	947	1 296	37.4
Salesmen, retail trade	17	4 579	77	132	517	423	421	808	995	396	400	410	43.9
Salesmen of services and construction	5	2 843	56	58	190	380	349	680	543	204	201	182	40.7
Other sales workers	1 726	6 697	462	273	709	941	645	1 369	894	491	372	541	37.3
Clerical and kindred workers	**569**	**66 771**	**3 032**	**4 567**	**10 754**	**7 201**	**4 709**	**10 879**	**12 878**	**5 299**	**4 058**	**3 394**	**37.9**
Bank tellers and cashiers	76	3 308	617	439	690	270	141	271	373	168	208	131	24.3
Bookkeepers and billing clerks	10	4 835	28	269	909	662	310	767	759	376	318	437	38.1
Mail handlers and postal clerks	27	11 431	256	492	895	765	715	2 495	3 669	1 195	658	291	45.3
Other clerical and kindred workers	456	47 197	2 131	3 367	8 260	5 504	3 543	7 346	8 077	3 560	2 874	2 535	36.1
Craftsmen and kindred workers	**237**	**125 497**	**1 084**	**3 174**	**12 648**	**14 727**	**12 391**	**27 329**	**28 356**	**11 603**	**8 704**	**5 481**	**41.9**
Apparel craftsmen and upholsterers	–	1 771	10	11	50	87	123	246	478	229	234	303	52.5
Bakers	4	1 453	4	29	181	102	130	284	342	170	122	89	44.9
Cabinetmakers	4	742	19	39	63	77	78	138	123	84	100	21	41.9
Construction craftsmen	28	34 323	148	855	3 343	4 151	3 671	7 721	7 389	3 169	2 404	1 472	41.5
Carpenters	–	10 317	28	229	943	1 156	1 051	2 389	2 349	990	616	566	42.3
Excavating, grading, and road machine operators	–	1 754	13	33	147	210	238	400	457	174	62	20	40.9
Electricians	4	5 831	21	216	804	903	615	1 242	1 124	410	351	145	37.9
Masons and tile setters	–	2 355	–	38	174	284	307	738	477	143	134	60	40.1
Painters, construction and maintenance, and paperhangers	14	5 016	62	121	358	458	487	979	1 076	619	554	302	45.4
Plasterers and cement finishers	–	1 005	6	11	84	81	135	274	235	104	51	24	41.8
Plumbers and pipe fitters	5	5 707	9	152	660	689	472	1 128	1 252	555	492	298	42.7
Other construction craftsmen	5	2 338	9	55	173	370	366	571	419	174	144	57	38.4
Foremen, n.e.c	6	16 528	14	79	712	1 331	1 490	4 134	4 877	1 906	1 366	619	46.0
Manufacturing	–	8 800	5	36	317	758	788	2 233	2 582	1 068	693	320	46.0
Nonmanufacturing industries	6	7 728	9	43	395	573	702	1 901	2 295	838	673	299	46.1
Linemen and servicemen, telephone and power	9	5 826	28	268	1 096	1 046	769	1 545	873	131	48	22	33.1
Locomotive engineers and firemen	–	337	–	11	28	8	6	36	154	71	23	–	50.2
Mechanics and repairmen	58	25 204	408	764	3 163	3 568	2 671	5 724	5 115	1 904	1 229	658	38.5
Air conditioning, heating, and refrigeration	–	1 847	4	19	161	233	270	525	365	180	73	17	39.5
Aircraft	–	1 005	–	7	113	172	132	275	219	60	27	–	37.9
Automobile, including body	21	9 832	274	494	1 670	1 541	1 027	1 900	1 720	566	381	259	34.6
Radio and television	12	1 649	24	31	147	150	187	490	406	76	91	47	40.8
Other mechanics and repairmen	25	10 871	106	213	1 072	1 472	1 055	2 534	2 405	1 022	657	335	41.0
Metal craftsmen, except mechanics	–	14 721	138	398	1 507	1 630	1 232	2 687	3 818	1 492	1 245	574	44.1
Machinists and job and die setters	–	7 891	75	210	859	983	599	1 419	1 988	820	612	326	43.6
Sheetmetal workers and tinsmiths	–	2 697	47	88	394	304	290	540	580	153	225	76	39.2
Tool and die makers	–	1 724	–	28	103	143	129	312	532	221	170	86	47.8
Other metal craftsmen	–	2 409	16	72	151	200	214	416	718	298	238	86	46.9
Printing craftsmen	3	6 394	92	236	730	775	639	1 299	1 171	593	461	398	40.6
Compositors and typesetters	3	2 540	43	123	252	267	208	523	459	247	231	187	42.2
Pressmen and plate printers, printing	–	2 820	49	92	393	418	305	540	494	236	142	151	37.8
Stationary engineers and power station operators	–	2 052	9	5	76	124	121	423	652	276	227	139	49.1
Other craftsmen and kindred workers	125	16 146	214	479	1 699	1 828	1 461	3 092	3 364	1 578	1 245	1 186	42.7

Table 174. Occupation of Employed Persons by Age, Race, and Sex: 1970—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Persons 14 and 15 years old	Persons 16 years old and over: Total	16 and 17 years	18 and 19 years	20 to 24 years	25 to 29 years	30 to 34 years	35 to 44 years	45 to 54 years	55 to 59 years	60 to 64 years	65 years and over	Median age
BOSTON SMSA—Continued													
Total—Continued													
Male employed—Continued													
Operatives, except transport	**593**	**61 791**	**2 698**	**3 881**	**7 527**	**6 199**	**4 753**	**10 622**	**12 780**	**6 088**	**4 579**	**2 664**	**40.5**
Assemblers	29	4 518	143	276	551	531	291	785	955	474	356	156	40.9
Checkers, examiners, and inspectors, manufacturing	–	3 738	12	110	526	419	245	666	968	407	300	85	43.4
Garage workers and gas station attendants	129	3 279	926	1 009	544	139	65	190	154	77	80	95	19.4
Laundry and drycleaning operatives, n.e.c	15	1 160	66	106	128	80	108	145	225	126	89	87	41.3
Meat cutters and butchers	10	3 307	67	98	198	334	249	673	766	390	275	257	45.5
Mine operatives, n.e.c	–	87	6	4	4	14	–	11	26	4	13	5	...
Packers and wrappers, except produce	37	3 115	405	328	504	249	158	411	481	210	239	130	32.3
Painters, manufactured articles	8	670	4	37	102	78	95	68	146	60	64	16	37.8
Precision machine operatives	5	3 520	39	118	394	394	285	556	919	416	263	136	44.5
Sawyers	–	184	–	5	–	8	7	48	55	8	28	25	49.4
Stationary firemen	–	1 159	–	–	57	76	58	288	263	165	124	128	48.8
Textile operatives	10	668	16	22	50	45	47	143	149	62	69	65	45.7
Welders and flamecutters	6	4 084	4	116	442	488	429	883	991	474	192	65	41.4
Other metalworking operatives	13	2 283	49	105	239	249	158	422	515	265	195	86	43.1
Other specified operatives	214	12 055	335	548	1 404	1 197	1 012	2 277	2 368	1 196	977	741	41.7
Miscellaneous and not specified operatives	117	17 964	626	999	2 384	1 898	1 546	3 056	3 799	1 754	1 315	587	40.0
Occupation:													
Machine operatives, miscellaneous specified	49	6 763	159	269	857	659	632	1 113	1 651	666	512	245	42.2
Machine operatives, not specified	–	4 446	70	290	599	533	394	857	846	364	354	139	38.9
Miscellaneous operatives	58	4 672	329	350	700	521	372	725	831	433	271	140	35.9
Not specified operatives	10	2 083	68	90	228	185	148	361	471	291	178	63	43.9
Industry:													
Manufacturing	54	14 539	369	762	1 883	1 480	1 297	2 556	3 124	1 467	1 103	498	40.8
Durable goods	12	7 236	130	449	1 134	882	657	1 156	1 559	626	468	175	38.2
Wood products, including furniture	–	386	4	33	26	36	19	54	71	63	51	29	48.0
Primary metal industries	–	208	4	5	30	24	13	14	45	42	27	4	48.1
Fabricated metal industries	–	932	27	47	132	104	63	162	227	63	82	25	40.7
Machinery, including electrical	–	3 142	69	221	511	400	311	465	674	208	181	102	36.3
Motor vehicles and equipment	–	78	–	–	7	6	4	20	31	5	5	–	...
Transportation equipment, except motor vehicles	–	853	–	52	147	92	44	120	217	122	59	–	42.6
Other durable goods	12	1 637	26	91	281	220	203	321	294	123	63	15	34.9
Nondurable goods	42	7 194	239	309	730	572	636	1 379	1 560	820	630	319	43.1
Food and kindred products	9	1 597	58	34	179	121	156	332	355	161	114	87	42.5
Apparel and other fabricated textile products	–	251	34	12	24	31	6	23	64	25	7	25	43.0
Paper and allied products	6	1 111	19	68	116	104	130	223	189	150	76	36	40.3
Chemicals and allied products	–	846	14	25	62	82	73	207	223	64	71	25	43.1
Other nondurable goods	27	3 389	114	170	349	234	271	594	729	420	362	146	44.4
Not specified manufacturing industries	–	109	–	4	19	26	4	21	5	21	5	4	35.7
Nonmanufacturing industries	63	3 425	257	237	501	418	249	500	675	287	212	89	36.0
Transportation, communications, and other public utilities	–	755	9	22	86	119	78	173	134	65	63	6	38.7
Wholesale and retail trade	56	1 274	155	134	145	130	88	153	229	96	114	30	34.1
All other industries	7	1 396	93	81	270	169	83	174	312	126	35	53	35.1
Transport equipment operatives	**146**	**31 818**	**317**	**1 226**	**3 896**	**3 655**	**3 077**	**6 475**	**7 101**	**3 082**	**1 846**	**1 143**	**40.8**
Bus drivers	–	2 493	–	–	93	357	179	496	706	324	214	124	46.7
Taxicab drivers and chauffeurs	10	3 934	19	168	705	347	245	639	729	416	331	335	42.6
Truck drivers and deliverymen	102	20 613	221	805	2 470	2 497	2 214	4 514	4 595	1 900	991	406	39.7
Other transport equipment operatives	34	4 778	77	253	628	454	439	826	1 071	442	310	278	41.5
Laborers, except farm	**1 361**	**33 974**	**5 199**	**3 712**	**4 774**	**2 681**	**2 030**	**4 965**	**5 355**	**2 256**	**1 653**	**1 349**	**31.5**
Construction laborers	43	6 452	254	419	1 159	692	567	1 263	1 231	404	337	126	36.1
Freight, stock, and material handlers	589	15 465	3 790	2 124	2 011	1 016	733	1 934	2 077	844	509	427	24.5
Other specified laborers	526	7 632	824	780	1 022	576	530	1 027	1 192	624	549	508	35.8
Miscellaneous and not specified laborers	203	4 425	331	389	582	397	200	741	855	384	258	288	39.2
Occupation:													
Miscellaneous laborers	40	1 413	53	82	170	105	71	273	324	136	114	85	43.3
Not specified laborers	163	3 012	278	307	412	292	129	468	531	248	144	203	36.9
Industry:													
Manufacturing	19	1 410	60	169	154	139	41	212	326	159	62	88	41.7
Durable goods	11	755	22	97	91	66	19	113	187	74	29	57	42.3
Wood products, including furniture	–	20	–	5	–	9	–	6	–	–	–	–	...
Metal industries	–	178	11	20	23	9	5	14	54	31	11	–	46.3
Machinery, including electrical	3	236	3	41	35	9	10	45	33	22	13	25	39.4
Transportation equipment	–	139	4	6	22	21	–	21	33	21	5	6	42.9
Other durable goods	8	182	4	25	11	18	4	27	67	–	–	26	45.3
Nondurable goods	8	647	38	72	59	73	22	99	135	85	33	31	41.0
Food and kindred products	–	151	–	–	37	21	5	10	40	15	8	15	45.6
Not specified manufacturing industries	–	8	–	–	4	–	–	–	4	–	–	–	...
Nonmanufacturing industries	184	3 015	271	220	428	258	159	529	529	225	196	200	38.2
Railroads and railway express service	–	134	–	5	8	10	5	21	40	5	26	14	49.5
Transportation, except railroads	–	191	–	5	13	20	24	46	44	14	20	5	42.3
Communications, and utilities and sanitary services	6	558	17	40	84	36	13	156	109	50	32	21	40.7
Wholesale and retail trade	67	839	164	67	101	85	34	105	106	35	72	70	30.4
All other industries	111	1 293	90	103	222	107	83	201	230	121	46	90	37.1
Farmers and farm managers	–	**792**	–	**5**	**28**	**38**	**57**	**206**	**189**	**83**	**85**	**101**	**48.3**
Farm laborers and farm foremen	**129**	**1 174**	**182**	**126**	**102**	**113**	**52**	**153**	**134**	**61**	**130**	**121**	**35.8**
Paid farm laborers and farm foremen	123	1 127	158	122	97	109	52	153	134	57	130	115	36.7
Unpaid family workers	6	47	24	4	5	4	–	–	–	4	–	6	...
Service workers, except private household[1]	**2 143**	**70 654**	**5 329**	**4 243**	**6 557**	**5 207**	**4 627**	**12 689**	**14 233**	**6 080**	**5 962**	**5 727**	**42.4**
Cleaning service workers	519	19 921	1 407	1 103	1 273	864	909	2 734	4 490	2 346	2 549	2 246	48.7
Food service workers	1 209	17 159	3 369	2 160	2 049	1 144	904	2 151	2 295	1 210	925	952	29.4
Cooks, except private household	117	5 997	609	610	628	444	409	1 005	1 132	486	433	241	38.0
Busboys and dishwashers	697	3 295	1 385	650	408	76	67	166	165	107	90	181	18.8
Health service workers	25	2 256	144	176	654	296	126	319	248	106	104	83	27.6
Personal service workers	133	5 904	222	296	665	639	564	1 007	957	452	478	624	40.6
Protective service workers	21	19 840	20	140	1 018	1 663	1 750	5 377	5 345	1 572	1 513	1 442	44.9
Firemen, fire protection	6	6 285	–	4	152	514	652	2 101	2 168	435	238	21	43.7
Guards and watchmen	10	5 033	20	98	467	225	163	591	1 034	603	748	1 084	54.2
Policemen and detectives	5	7 691	–	33	385	884	906	2 567	1 993	433	380	110	41.4
Private household workers	**108**	**501**	**58**	**28**	**58**	**27**	**7**	**44**	**113**	**46**	**16**	**104**	**47.5**

[1]Includes allocated cases not shown separately.

Table 174. Occupation of Employed Persons by Age, Race, and Sex: 1970—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Persons 14 and 15 years old	Persons 16 years old and over										
		Total	16 and 17 years	18 and 19 years	20 to 24 years	25 to 29 years	30 to 34 years	35 to 44 years	45 to 54 years	55 to 59 years	60 to 64 years	65 years and over	Median age
BOSTON SMSA—Continued													
Total—Continued													
Female employed	**4 985**	**465 939**	**19 544**	**27 594**	**81 038**	**43 285**	**28 062**	**72 629**	**94 163**	**42 058**	**32 948**	**24 618**	**39.6**
Professional, technical, and kindred workers	**120**	**88 731**	**331**	**1 171**	**20 068**	**15 907**	**8 229**	**14 743**	**13 598**	**6 118**	**5 234**	**3 332**	**34.2**
Accountants	–	3 265	10	70	516	293	246	454	916	360	254	146	45.5
Computer specialists	–	1 782	–	49	643	496	219	218	110	32	15	–	27.0
Librarians	32	1 908	41	58	278	199	93	295	442	188	216	98	44.7
Mathematical specialists	–	344	–	4	74	66	26	44	61	19	44	6	35.5
Life and physical scientists	5	814	–	6	187	155	99	138	164	50	8	7	33.0
Registered nurses, dietitians, and therapists	14	19 883	15	168	4 360	3 286	1 931	3 535	3 179	1 512	1 163	734	35.5
Dietitians	5	819	10	42	148	93	58	144	120	74	75	55	39.1
Registered nurses	9	17 877	5	111	3 873	2 928	1 767	3 233	2 939	1 364	1 029	628	35.8
Health technologists and technicians	–	4 064	51	168	1 488	727	307	517	402	156	172	76	27.2
Social scientists	–	674	5	2	147	138	67	160	83	34	14	24	33.4
Social and recreation workers	–	3 489	27	55	866	688	260	544	493	217	247	92	32.1
Teachers: College and university	–	3 082	10	42	465	683	416	645	457	128	139	97	34.1
Elementary and prekindergarten	29	19 282	43	70	4 446	3 696	1 656	3 488	2 686	1 325	1 230	642	34.2
Secondary	10	8 211	7	7	1 927	1 649	740	1 220	1 120	708	572	261	33.5
Other teachers	13	2 421	27	67	289	454	340	398	292	159	117	278	35.8
Engineering and science technicians	6	2 043	12	43	490	262	180	292	448	206	69	41	36.2
Technicians, except health, and engineering and science	–	231	–	17	26	53	19	27	45	24	20	–	35.2
Writers, artists, and entertainers	5	4 772	62	159	1 049	832	529	802	716	214	195	214	32.7
Actors and dancers	–	127	21	9	49	8	10	15	5	6	4	–	23.4
Authors, editors, and reporters	–	1 874	7	24	383	418	221	295	303	80	78	65	32.4
Other professional, technical, and kindred workers	6	12 466	21	186	2 817	2 230	1 101	1 966	1 984	786	759	616	34.4
Managers and administrators, except farm	**35**	**15 290**	**26**	**240**	**1 754**	**1 413**	**973**	**2 675**	**3 755**	**1 848**	**1 424**	**1 182**	**46.5**
Buyers, purchasing agents, and sales managers	–	2 335	7	47	443	239	155	335	575	220	170	144	43.3
Restaurant, cafeteria, and bar managers	6	764	–	15	22	34	17	172	268	96	89	51	49.6
School administrators	–	1 233	–	20	37	91	97	252	289	192	151	104	49.1
Other specified managers and administrators	29	3 988	15	80	519	402	193	684	911	477	451	256	46.1
Managers and administrators, n.e.c., salaried	–	6 099	4	78	720	627	455	1 113	1 440	720	475	467	45.4
Wholesale and retail trade	–	1 700	–	34	220	114	92	284	400	242	133	181	47.7
Managers and administrators, n.e.c., self-employed	–	871	–	–	13	20	56	119	272	143	88	160	53.4
Wholesale and retail trade	–	538	–	–	–	11	33	90	148	85	60	111	54.1
Sales workers	**658**	**35 173**	**4 278**	**3 214**	**3 239**	**1 489**	**1 289**	**4 951**	**7 533**	**3 625**	**2 840**	**2 715**	**43.2**
Demonstrators, hucksters, and peddlers	–	511	5	18	77	55	58	127	85	60	6	20	38.3
Insurance, real estate agents, and brokers	–	2 748	25	82	429	211	166	547	628	246	245	169	43.4
Sales clerks, retail trade	385	25 740	3 908	2 622	1 885	691	744	3 358	5 711	2 771	2 058	1 992	44.0
Salesmen, retail trade	7	666	29	53	58	38	40	119	142	60	52	75	44.7
Other sales workers	266	5 508	311	439	790	494	281	800	967	488	479	459	40.5
Clerical and kindred workers	**986**	**193 636**	**8 068**	**15 889**	**41 507**	**16 319**	**10 279**	**28 277**	**38 111**	**15 260**	**11 945**	**7 981**	**36.7**
Bank tellers	–	3 206	53	327	842	290	196	518	565	233	132	50	32.3
Bookkeepers	21	20 885	192	911	3 012	1 271	1 168	3 373	5 359	2 211	1 942	1 446	46.0
Cashiers	135	10 706	2 441	1 551	1 061	439	464	1 392	1 922	607	498	331	28.4
Counter clerks, except food	64	2 513	247	261	363	112	119	353	559	201	190	108	39.4
Enumerators and interviewers	–	540	12	11	134	89	51	125	89	15	14	–	32.4
File clerks	76	7 612	949	1 294	1 461	391	288	766	1 273	601	359	230	26.3
Office machine operators	16	8 443	119	705	2 105	1 003	694	1 565	1 374	442	319	117	32.1
Bookkeeping and billing machine operators	–	992	–	78	170	99	101	168	228	68	53	27	37.9
Keypunch operators	5	5 463	82	475	1 614	752	450	1 021	729	200	108	32	28.7
Payroll and timekeeping clerks	–	1 983	17	128	349	118	77	308	483	266	144	93	44.8
Receptionists	18	3 984	133	502	1 083	242	181	403	683	301	253	203	30.9
Secretaries	63	53 514	497	2 747	15 706	6 722	2 976	7 524	9 427	3 363	2 765	1 787	31.8
Stenographers	–	1 436	5	99	280	81	29	220	310	180	117	115	45.1
Telephone operators	18	7 982	458	903	1 042	373	404	1 476	1 650	745	590	341	40.5
Typists	64	20 071	891	2 476	4 387	1 324	1 070	2 650	3 875	1 500	1 162	736	34.5
Other clerical and kindred workers	511	50 761	2 054	3 974	9 682	3 864	2 562	7 604	10 542	4 595	3 460	2 424	39.3
Craftsmen and kindred workers	**19**	**6 107**	**73**	**132**	**538**	**457**	**344**	**1 142**	**1 677**	**716**	**638**	**390**	**47.2**
Foremen, n.e.c	–	1 729	4	21	100	113	96	284	590	219	219	83	49.2
Operatives, except transport	**421**	**50 308**	**1 226**	**1 321**	**3 558**	**2 597**	**2 971**	**9 098**	**14 678**	**7 384**	**4 626**	**2 849**	**48.0**
Assemblers	9	7 194	147	197	677	436	424	1 336	2 434	869	491	183	46.6
Bottling and canning operatives	–	166	5	10	16	9	12	35	33	17	23	6	43.9
Checkers, examiners, and inspectors; manufacturing	5	4 069	42	75	223	184	162	830	1 391	657	341	164	48.7
Dressmakers and seamstresses, except factory	–	1 268	11	16	40	17	37	190	358	206	166	227	54.0
Laundry and dry cleaning operatives, including ironers	8	2 698	126	59	160	142	132	395	765	355	319	245	49.4
Graders and sorters, manufacturing	–	119	9	–	–	–	11	22	40	18	9	10	49.4
Packers and wrappers, except produce	51	6 553	405	321	451	361	399	1 231	1 743	869	544	229	45.6
Sewers and stitchers	10	9 251	76	88	329	281	521	1 526	2 782	1 825	1 110	713	51.5
Textile operatives	–	300	–	24	44	13	–	47	82	27	47	16	47.7
Other specified operatives	275	9 449	230	304	935	628	706	1 714	2 280	1 154	869	629	45.9
Miscellaneous and not specified operatives	63	9 241	175	227	683	526	567	1 772	2 770	1 387	707	427	47.4
Manufacturing	27	7 720	86	130	539	419	471	1 614	2 380	1 146	611	324	47.5
Durable goods	4	4 194	35	62	324	259	252	979	1 368	580	215	120	46.4
Machinery, including electrical	–	2 625	35	44	195	152	178	645	888	329	105	54	45.7
Other durable goods	4	1 569	–	18	129	107	74	334	480	251	110	66	47.6
Nondurable goods, including not specified manufacturing	23	3 526	51	68	215	160	219	635	1 012	566	396	204	49.1
Food and kindred products	5	700	16	23	20	39	57	173	140	127	60	45	46.6
Apparel and other fabricated textile products	–	382	4	4	23	6	3	60	144	64	43	31	51.3
Nonmanufacturing industries	36	1 521	89	97	144	107	96	158	390	241	96	103	46.8
Transport equipment operatives	**25**	**1 160**	**17**	**23**	**80**	**164**	**155**	**321**	**200**	**89**	**66**	**45**	**39.4**
Laborers, except farm	**42**	**2 781**	**220**	**212**	**322**	**113**	**144**	**467**	**611**	**227**	**254**	**211**	**43.1**
Farmers and farm managers	**5**	**161**	**–**	**5**	**10**	**–**	**19**	**22**	**81**	**10**	**10**	**4**	**48.0**
Farm laborers and farm foremen	**9**	**273**	**11**	**5**	**15**	**19**	**30**	**77**	**57**	**4**	**48**	**7**	**42.3**
Paid farm laborers and farm foremen	9	254	11	5	9	19	30	73	57	4	39	7	42.3
Unpaid family workers	–	19	–	–	6	–	–	4	–	–	9	–	...
Service workers, except private household[1]	**1 693**	**64 654**	**4 874**	**5 025**	**9 356**	**4 503**	**3 327**	**10 070**	**12 775**	**5 815**	**4 751**	**4 158**	**40.2**
Cleaning service workers	80	6 032	228	252	246	170	182	680	1 403	929	934	1 008	54.0
Chambermaids and maids	30	1 927	110	138	97	60	44	221	411	235	299	312	52.1
Food service workers	745	24 858	2 822	1 982	2 275	1 499	1 330	4 454	5 476	2 254	1 561	1 205	40.7
Cooks, except private household	22	2 995	107	82	101	88	128	470	949	462	341	267	50.5
Waiters and food counter workers	429	17 084	2 223	1 521	1 899	1 363	1 026	3 236	3 357	1 117	754	588	36.6
Health service workers	274	16 970	1 331	1 782	3 531	1 212	856	2 319	2 792	1 312	1 089	746	33.7
Nursing aides, orderlies, and attendants	173	8 908	849	985	1 436	665	566	1 440	1 522	637	501	307	34.6
Practical nurses	10	3 889	27	121	734	314	188	575	793	418	403	316	44.7
Personal service workers	162	9 667	137	433	2 279	1 007	515	1 367	1 840	779	610	700	38.4
Hairdressers and cosmetologists	17	4 160	15	172	1 142	477	218	551	877	340	219	149	36.0
Private household workers	**972**	**7 665**	**420**	**357**	**591**	**304**	**302**	**786**	**1 087**	**962**	**1 112**	**1 744**	**54.9**
Private household workers, living in	–	1 824	5	24	201	93	78	193	288	231	249	462	55.6
Private household workers, living out	972	5 841	415	333	390	211	224	593	799	731	863	1 282	54.4

[1]Includes protective service workers and allocated cases not shown separately.

Table 174. Occupation of Employed Persons by Age, Race, and Sex: 1970—Continued

(Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text)

The State Standard Metropolitan Statistical Areas of 250,000 or More

BOSTON SMSA—Continued

Negro

	Persons 14 and 15 years old	Persons 16 years old and over: Total	16 and 17 years	18 and 19 years	20 to 24 years	25 to 29 years	30 to 34 years	35 to 44 years	45 to 54 years	55 to 59 years	60 to 64 years	65 years and over	Median age
Male employed	**189**	**22 587**	**616**	**818**	**2 926**	**3 390**	**2 725**	**5 007**	**4 159**	**1 401**	**905**	**640**	**36.6**
Professional, technical, and kindred workers	6	2 589	6	58	477	571	405	557	357	81	33	44	32.3
Engineers	–	271	–	–	3	68	40	102	52	–	6	–	37.4
Lawyers and judges	–	37	–	–	11	5	–	5	11	–	5	–	...
Life and physical scientists	–	52	–	–	6	–	6	21	8	7	–	4	...
Physicians, dentists, and related practitioners	–	53	–	–	–	6	8	23	11	5	–	–	...
Health workers, except practitioners	–	210	6	3	20	45	14	33	70	8	6	5	40.2
Social and recreation workers	–	136	–	12	46	20	9	12	27	10	–	–	27.5
Teachers	–	292	–	11	29	91	67	48	21	19	3	3	31.1
Technicians, except health	6	497	–	–	95	111	81	137	53	20	–	–	32.6
Writers, artists, and entertainers	–	281	–	6	85	85	57	17	27	4	–	–	27.9
Other professional, technical, and kindred workers	–	760	–	26	182	140	123	159	77	8	13	32	31.3
Managers and administrators, except farm	–	1 160	7	10	118	181	173	275	246	72	37	41	38.3
Salaried	–	1 014	7	10	113	176	162	224	198	59	32	33	36.7
Manufacturing	–	113	–	–	17	24	12	25	24	6	5	–	36.4
Retail trade	–	276	4	10	36	66	44	46	42	9	6	13	32.5
All other industries	–	625	3	–	60	86	106	153	132	44	21	20	38.8
Self-employed	–	146	–	–	5	5	11	51	48	13	5	8	45.2
Retail trade	–	49	–	–	–	–	5	19	16	9	–	–	...
All other industries	–	97	–	–	5	5	6	32	32	4	5	8	...
Sales workers	9	706	26	56	56	108	124	200	74	30	9	23	34.3
Manufacturing and wholesale trade	–	139	14	10	12	34	37	22	10	–	–	–	29.9
Retail trade	9	326	12	39	31	35	50	99	25	17	4	14	34.6
All other industries	–	241	–	7	13	39	37	79	39	13	5	9	38.1
Clerical and kindred workers	37	2 412	96	157	437	372	207	445	381	171	101	45	33.5
Bookkeepers and billing clerks	–	125	–	–	25	33	15	34	14	4	–	–	31.5
Mail handlers and postal clerks	–	494	12	27	49	32	16	101	128	88	33	8	45.8
Other clerical and kindred workers	37	1 793	84	130	363	307	176	310	239	79	68	37	30.4
Craftsmen and kindred workers	–	3 918	63	141	475	623	519	940	783	195	109	70	36.5
Carpenters	–	299	3	5	39	25	27	100	76	24	–	–	40.1
Construction craftsmen, except carpenters	–	683	–	27	55	114	100	157	160	33	22	15	37.9
Automobile mechanics, including body repairmen	–	479	–	6	79	75	87	106	82	23	15	6	34.6
Mechanics and repairmen, except auto	–	395	–	3	38	73	45	148	58	14	11	5	37.6
Machinists	–	147	–	–	22	26	16	42	16	7	14	4	37.3
Metal craftsmen, except mechanics and machinists	–	174	6	11	28	22	5	52	30	5	15	–	37.9
Foremen, n.e.c.	–	359	4	6	27	48	30	111	96	24	8	5	40.8
Other craftsmen and kindred workers	–	1 382	50	83	187	240	209	224	265	65	24	35	33.1
Operatives, except transport	10	4 144	66	121	624	718	589	910	686	218	123	89	34.6
Assemblers	–	253	5	10	45	40	54	63	31	5	–	–	32.5
Garage workers and gas station attendants	–	117	12	9	12	21	9	37	13	–	4	–	32.5
Laundry and drycleaning operatives, including ironers	–	275	5	–	22	35	30	69	54	25	15	20	41.6
Precision machine operatives	–	40	–	3	8	5	5	14	–	–	5	–	...
Other operatives, except transport	10	3 459	44	99	537	617	491	727	588	188	99	69	34.4
Durable goods, manufacturing	–	1 284	2	63	240	225	169	267	192	71	43	12	33.3
Nondurable goods, including not specified manufacturing	6	1 200	21	25	171	203	193	255	216	46	34	36	34.7
Nonmanufacturing industries	4	975	21	11	126	189	129	205	180	71	22	21	35.6
Transport equipment operatives	4	1 420	4	25	202	263	131	339	290	65	70	31	37.5
Truck drivers	–	544	–	8	45	103	76	154	112	19	19	8	37.6
Other transport equipment operatives	4	876	4	17	157	160	55	185	178	46	51	23	37.4
Laborers, except farm	55	1 836	116	99	259	176	170	330	396	169	93	28	38.0
Construction laborers	–	410	–	–	62	46	39	78	152	13	18	2	42.4
Freight, stock, and material handlers	15	653	86	54	94	40	55	122	104	53	23	22	34.8
Other laborers, except farm	40	773	30	45	103	90	76	130	140	103	52	4	38.3
Manufacturing industries	–	212	7	13	27	47	6	27	49	26	10	–	37.2
Farmers and farm managers	–	35	–	–	–	–	5	5	12	8	5	–	...
Farm laborers and farm foremen	–	43	10	–	–	4	10	19	–	–	–	–	...
Service workers, except private household[1]	68	4 255	222	151	273	361	392	982	893	392	325	264	42.4
Cleaning service workers	21	1 648	57	36	63	130	118	381	423	162	157	121	45.9
Food service workers	20	852	119	60	28	51	105	139	170	59	76	45	39.5
Health service workers	–	291	4	23	23	29	29	107	49	6	16	5	38.5
Personal service workers	17	323	13	11	17	17	47	40	84	40	13	41	47.0
Protective service workers	–	336	4	5	26	52	38	68	57	37	23	26	41.3
Private household workers	–	69	–	–	5	13	–	5	41	–	–	5	...
Female employed	**177**	**19 885**	**560**	**1 152**	**3 328**	**2 646**	**2 052**	**3 843**	**3 616**	**1 177**	**842**	**669**	**35.5**
Professional, technical, and kindred workers	–	2 412	33	60	393	351	316	595	442	108	98	16	35.9
Registered nurses	–	562	–	4	76	72	74	141	151	10	30	4	38.9
Health workers, except nurses	–	297	5	14	59	39	33	56	61	10	20	–	34.8
Teachers, elementary and secondary schools	–	528	10	–	62	55	75	184	77	35	23	7	38.4
Technicians, except health	–	128	5	–	37	20	24	10	15	12	5	–	30.4
Other professional, technical, and kindred workers	–	897	13	42	159	165	110	204	138	41	20	5	33.2
Managers and administrators, except farm	–	364	7	31	21	38	43	110	57	16	33	8	38.8
Salaried	–	344	7	31	21	35	43	101	53	16	33	4	38.5
Self-employed	–	20	–	–	–	3	–	9	4	–	–	4	...
Sales workers	18	588	66	51	99	61	78	82	89	27	20	15	31.1
Retail trade	18	464	60	24	72	61	67	47	89	18	16	10	31.1
Clerical and kindred workers	70	6 985	284	723	1 727	1 066	648	1 102	872	285	174	104	28.6
Bookkeepers and cashiers	–	542	34	37	157	51	54	52	85	39	11	22	29.2
Office machine operators	–	605	4	45	186	130	70	111	48	–	11	–	27.6
Secretaries, stenographers, and typists	8	2 146	71	213	618	352	247	301	230	39	45	30	27.4
Other clerical and kindred workers	62	3 692	175	428	766	533	277	638	509	207	107	52	29.5
Craftsmen and kindred workers	5	222	–	5	22	32	36	57	36	20	4	10	37.8
Operatives, except transport	8	3 279	32	75	420	481	360	693	772	187	143	116	38.9
Sewers and stitchers	–	383	–	8	5	22	28	61	177	42	25	15	48.8
Laundry and drycleaning operatives, including ironers	–	435	6	5	27	46	59	83	91	36	47	35	44.0
Other operatives, except transport	8	2 461	26	62	388	413	273	549	504	109	71	66	36.2
Durable goods, manufacturing	–	1 201	10	26	176	195	172	276	265	48	18	15	35.8
Nondurable goods, including not specified manufacturing	8	748	–	11	135	111	67	187	138	49	35	15	37.7
Nonmanufacturing industries	–	512	16	25	77	107	34	86	101	12	18	36	34.6
Transport equipment operatives	–	35	4	5	–	7	8	11	–	–	–	–	...
Laborers, except farm	6	209	11	15	39	12	10	45	40	10	9	18	38.9
Farmers and farm managers	–	19	–	–	–	–	9	5	5	–	–	–	...
Farm laborers and farm foremen	–	19	–	–	–	4	–	9	–	–	6	–	...
Service workers, except private household[1]	43	4 290	115	177	507	519	444	850	1 005	309	186	178	39.5
Cleaning service workers	–	656	–	16	46	54	49	143	181	73	49	45	46.1
Food service workers	12	587	20	26	78	37	47	142	130	60	20	27	41.0
Health service workers	5	1 871	60	74	278	279	224	396	356	113	50	41	35.5
Practical nurses	–	305	–	–	25	35	22	76	79	33	12	23	44.3
Personal service workers	6	577	6	18	42	75	43	88	212	25	27	41	45.8
Protective service workers	–	61	–	3	–	15	–	28	15	–	–	–	...
Private household workers	27	1 463	8	10	100	75	100	284	298	215	169	204	50.2

[1]Includes allocated cases not shown separately.

Table 174. Occupation of Employed Persons by Age, Race, and Sex: 1970—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More

BOSTON SMSA—Continued

Persons of Spanish Language

	Persons 14 and 15 years old	Persons 16 years old and over											
		Total	16 and 17 years	18 and 19 years	20 to 24 years	25 to 29 years	30 to 34 years	35 to 44 years	45 to 54 years	55 to 59 years	60 to 64 years	65 years and over	Median age
Male employed	**114**	**7 533**	**257**	**311**	**1 178**	**1 426**	**1 048**	**1 785**	**872**	**286**	**152**	**218**	**32.8**
Professional, technical, and kindred workers	3	1 570	–	12	202	425	299	396	159	40	13	24	32.4
Engineers	–	260	–	–	14	58	25	99	56	–	–	8	38.3
Lawyers and judges	–	–	–	–	–	–	–	–	–	–	–	–	–
Life and physical scientists	–	45	–	–	–	8	29	8	–	–	–	–	...
Physicians, dentists, and related practitioners	–	165	–	–	–	68	62	35	–	–	–	–	31.2
Health workers, except practitioners	–	45	–	–	–	7	7	31	–	–	–	–	...
Social and recreation workers	3	18	–	–	3	15	–	–	–	–	–	–	...
Teachers	–	237	–	–	33	39	46	63	16	34	6	–	35.1
Technicians, except health	–	261	–	6	56	95	41	32	31	–	–	–	28.6
Writers, artists, and entertainers	–	102	–	6	10	44	24	–	6	–	7	5	29.0
Other professional, technical, and kindred workers	–	437	–	–	86	91	65	128	50	6	–	11	33.2
Managers and administrators, except farm	–	719	5	–	33	131	72	217	130	49	39	43	40.5
Salaried	–	607	5	–	33	109	72	182	130	49	20	7	39.6
Manufacturing	–	125	–	–	6	18	26	30	37	8	–	–	39.2
Retail trade	–	97	–	–	5	28	–	34	23	–	7	–	...
All other industries	–	385	5	–	22	63	46	118	70	41	13	7	39.8
Self-employed	–	112	–	–	–	22	–	35	–	–	19	36	44.7
Retail trade	–	70	–	–	–	22	–	22	–	–	19	7	...
All other industries	–	42	–	–	–	–	–	13	–	–	–	29	...
Sales workers	28	334	6	15	15	93	35	69	43	36	–	22	35.4
Manufacturing and wholesale trade	28	81	–	–	–	16	7	43	9	6	–	–	...
Retail trade	–	132	6	15	15	38	8	–	6	30	–	14	28.9
All other industries	–	121	–	–	–	39	20	26	28	–	–	8	35.6
Clerical and kindred workers	12	655	28	47	159	128	69	110	76	15	8	15	28.7
Bookkeepers and billing clerks	–	114	–	8	34	25	9	19	19	–	–	–	28.0
Mail handlers and postal clerks	–	84	–	11	20	5	–	28	13	–	–	7	...
Other clerical and kindred workers	12	457	28	28	105	98	60	63	44	15	8	8	28.4
Craftsmen and kindred workers	3	1 170	16	57	165	176	190	312	155	46	35	18	34.5
Carpenters	–	90	–	–	5	15	–	35	17	13	5	–	...
Construction craftsmen, except carpenters	–	157	–	19	11	16	22	56	22	6	–	5	36.9
Automobile mechanics, including body repairmen	–	218	–	11	44	36	48	49	8	22	–	–	31.9
Mechanics and repairmen, except auto	–	194	7	7	27	19	39	71	14	–	10	–	34.7
Machinists	–	119	–	13	11	13	18	13	39	5	7	–	38.5
Metal craftsmen, except mechanics and machinists	–	16	–	–	–	6	4	6	–	–	–	–	...
Foremen, n.e.c.	–	62	–	–	7	11	11	20	7	–	–	6	...
Other craftsmen and kindred workers	3	314	9	7	60	60	48	62	48	–	13	7	32.2
Operatives, except transport	21	1 419	44	76	311	256	193	264	140	60	34	41	30.6
Assemblers	–	117	–	15	18	21	–	39	8	7	–	9	36.2
Garage workers and gas station attendants	–	36	–	17	7	–	–	12	–	–	–	–	...
Laundry and drycleaning operatives, including ironers	–	71	–	–	15	14	9	6	7	6	7	7	...
Precision machine operatives	–	63	–	–	8	10	21	8	–	16	–	–	...
Other operatives, except transport	21	1 132	44	44	263	211	163	199	125	31	27	25	30.1
Durable goods, manufacturing	–	401	13	25	115	61	47	80	37	8	11	4	28.9
Nondurable goods, including not specified manufacturing	13	546	24	13	109	105	70	100	86	19	6	14	31.6
Nonmanufacturing industries	8	185	7	6	39	45	46	19	2	4	10	7	29.5
Transport equipment operatives	–	236	–	18	63	32	37	54	32	–	–	–	30.7
Truck drivers	–	41	–	5	8	–	14	–	14	–	–	–	...
Other transport equipment operatives	–	195	–	13	55	32	23	54	18	–	–	–	29.6
Laborers, except farm	10	436	81	31	99	70	38	91	11	–	9	6	25.5
Construction laborers	–	70	–	–	15	6	7	28	8	–	–	6	...
Freight, stock, and material handlers	10	204	51	17	51	27	14	41	3	–	–	–	23.3
Other laborers, except farm	–	162	30	14	33	37	17	22	–	–	9	–	25.5
Manufacturing industries	–	40	18	7	–	11	–	4	–	–	–	–	...
Farmers and farm managers	–	–	–	–	–	–	–	–	–	–	–	–	–
Farm laborers and farm foremen	–	94	7	22	6	16	–	25	6	–	–	12	...
Service workers, except private household[1]	37	895	70	33	120	99	115	247	120	40	14	37	35.4
Cleaning service workers	5	255	8	7	19	14	39	63	33	40	8	24	41.4
Food service workers	15	403	53	26	50	68	59	107	35	–	–	5	30.4
Health service workers	–	55	4	–	16	–	12	17	6	–	–	–	...
Personal service workers	6	94	–	–	35	17	5	32	5	–	–	–	...
Protective service workers	–	55	–	–	–	–	–	23	18	–	6	8	...
Private household workers	–	5	–	–	5	–	–	–	–	–	–	–	...
Female employed	**56**	**4 668**	**163**	**290**	**998**	**651**	**505**	**1 033**	**682**	**169**	**127**	**50**	**32.3**
Professional, technical, and kindred workers	–	700	–	14	167	186	87	82	102	27	29	6	29.5
Registered nurses	–	78	–	–	11	6	10	26	25	–	–	–	...
Health workers, except nurses	–	111	–	–	23	51	16	15	6	–	–	–	28.2
Teachers, elementary and secondary schools	–	138	–	–	57	25	9	12	29	–	6	–	27.4
Technicians, except health	–	23	–	–	–	7	–	–	6	–	10	–	...
Other professional, technical, and kindred workers	–	350	–	14	76	97	52	29	36	27	13	6	29.4
Managers and administrators, except farm	–	85	–	9	5	16	19	12	10	8	6	–	...
Salaried	–	71	–	9	5	16	5	12	10	8	6	–	...
Self-employed	–	14	–	–	–	–	14	–	–	–	–	–	...
Sales workers	6	227	50	11	36	22	17	37	36	6	12	–	28.8
Retail trade	6	168	43	6	25	22	10	37	13	6	6	–	27.3
Clerical and kindred workers	4	1 639	35	124	481	198	194	318	223	25	35	6	29.5
Bookkeepers and cashiers	–	236	29	21	48	18	15	57	30	5	7	6	30.7
Office machine operators	–	104	–	12	26	18	13	13	22	–	–	–	28.9
Secretaries, stenographers, and typists	4	629	–	36	220	110	58	124	66	6	9	–	27.7
Other clerical and kindred workers	–	670	6	55	187	52	108	124	105	14	19	–	31.6
Craftsmen and kindred workers	–	52	–	4	17	5	–	20	–	–	–	6	...
Operatives, except transport	21	1 015	14	68	180	102	84	318	167	48	17	17	36.9
Sewers and stitchers	–	248	–	18	41	10	7	73	52	30	–	17	41.6
Laundry and drycleaning operatives, including ironers	–	97	–	6	20	23	21	4	23	–	–	–	...
Other operatives, except transport	21	670	14	44	119	69	56	241	92	18	17	–	36.4
Durable goods, manufacturing	7	253	–	22	31	31	10	109	33	9	8	–	38.0
Nondurable goods, including not specified manufacturing	9	209	–	7	74	21	32	36	30	9	–	–	30.4
Nonmanufacturing industries	5	208	14	15	14	17	14	96	29	–	9	–	38.1
Transport equipment operatives	–	8	–	–	–	–	–	8	–	–	–	–	...
Laborers, except farm	–	26	8	–	18	–	–	–	–	–	–	–	...
Farmers and farm managers	–	–	–	–	–	–	–	–	–	–	–	–	–
Farm laborers and farm foremen	–	7	–	–	–	–	–	–	7	–	–	–	...
Service workers, except private household[1]	20	703	56	48	94	107	69	167	90	55	17	–	33.4
Cleaning service workers	10	174	14	6	17	12	12	45	28	23	17	–	40.8
Food service workers	–	140	29	13	15	19	19	16	10	19	–	–	28.4
Health service workers	–	271	6	29	40	34	31	79	39	13	–	–	34.3
Practical nurses	–	42	–	–	–	–	–	24	18	–	–	–	...
Personal service workers	–	84	7	–	11	33	7	13	13	–	–	–	...
Protective service workers	–	5	–	–	–	5	–	–	–	–	–	–	...
Private household workers	5	206	–	12	–	15	35	71	47	–	11	15	40.8

[1]Includes allocated cases not shown separately.

Table 174. **Occupation of Employed Persons by Age, Race, and Sex: 1970**—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Persons 14 and 15 years old	Persons 16 years old and over										
		Total	16 and 17 years	18 and 19 years	20 to 24 years	25 to 29 years	30 to 34 years	35 to 44 years	45 to 54 years	55 to 59 years	60 to 64 years	65 years and over	Median age
PROVIDENCE–PAWTUCKET–WARWICK, R.I.–MASS., SMSA												
Total												
Male employed	2 203	221 343	6 915	8 343	22 982	24 114	19 831	44 949	49 141	20 093	14 686	10 289	41.3
Professional, technical, and kindred workers	30	29 326	79	258	3 358	5 203	3 637	6 832	5 229	1 885	1 593	1 252	38.1
Accountants	–	2 449	–	16	245	423	298	562	498	140	166	101	39.3
Architects	–	227	–	–	15	35	31	67	48	21	10	–	39.9
Computer specialists	–	738	–	4	133	210	139	164	57	7	19	5	30.8
Engineers	–	5 017	5	4	322	779	573	1 323	1 139	387	318	167	41.2
Aeronautical and astronautical	–	31	–	–	4	5	7	10	5	–	–	–	...
Civil	–	795	5	–	57	148	82	163	142	31	120	47	41.5
Electrical and electronic	–	995	–	–	64	212	165	267	181	71	17	18	37.1
Mechanical	–	772	–	–	47	114	74	198	211	61	29	38	42.6
Other engineers	–	2 424	–	4	150	300	245	685	600	224	152	64	42.5
Lawyers and judges	–	1 046	–	–	–	159	120	282	175	59	81	170	43.7
Life and physical scientists	–	731	5	5	70	151	125	140	111	69	34	21	35.7
Chemists	–	530	5	5	49	84	96	91	103	47	29	21	37.9
Physicians, dentists, and related practitioners	–	2 400	–	5	43	150	221	603	592	251	266	269	48.0
Dentists	–	384	–	–	–	25	42	73	135	37	45	27	48.9
Pharmacists	–	491	–	–	37	43	52	90	102	30	65	72	47.3
Physicians, medical and osteopathic	–	1 278	–	5	6	66	127	383	281	152	118	140	46.9
Other related practitioners	–	247	–	–	–	16	–	57	74	32	38	30	51.8
Health technologists and technicians	–	390	5	13	125	70	38	73	45	12	9	–	28.7
Religious workers	5	696	–	–	16	75	103	165	179	47	51	60	44.3
Social scientists	–	341	–	–	50	90	45	100	35	4	17	–	33.4
Social and recreation workers	5	668	8	4	77	134	78	122	100	71	47	27	37.7
Teachers	5	5 556	14	46	910	1 361	799	1 178	677	256	180	135	32.8
College and university	–	1 747	–	21	237	364	317	440	226	61	48	33	34.0
Elementary and prekindergarten	–	919	10	–	236	294	103	134	65	43	7	27	28.6
Secondary	–	2 467	4	25	384	636	342	507	304	121	106	38	32.7
Engineering and science technicians	5	3 090	5	41	552	648	364	733	443	138	100	66	34.1
Draftsmen and surveyors	5	1 304	5	21	212	271	156	325	161	42	58	53	34.6
Electrical and electronic engineering technicians	–	545	–	–	83	127	63	166	83	8	10	5	35.0
Technicians, except health, and engineering and science	–	398	–	5	59	78	47	99	78	15	17	–	36.0
Airplane pilots	–	78	–	–	5	19	30	19	5	–	–	–	...
Writers, artists, and entertainers	4	2 223	22	43	267	334	241	505	449	152	120	90	39.0
Other professional, technical, and kindred workers	6	3 356	15	72	474	506	415	716	603	256	158	141	37.7
Managers and administrators, except farm	19	22 961	48	117	1 132	1 938	2 241	6 231	6 075	2 406	1 664	1 109	44.6
Buyers, purchasing agents, and sales managers	5	2 942	4	16	161	291	305	860	814	221	179	91	43.1
School administrators	–	622	5	5	–	33	76	201	157	85	41	19	44.6
Specified managers and administrators, public administration	–	1 273	–	–	39	24	59	334	454	215	80	68	49.0
Other specified managers and administrators	–	3 904	12	29	352	462	397	1 007	851	345	276	173	42.0
Managers and administrators, n.e.c., salaried	14	11 739	27	65	508	995	1 184	3 260	3 133	1 195	854	518	44.5
Manufacturing	6	4 545	10	–	122	277	422	1 328	1 282	483	379	242	45.9
Wholesale and retail trade	–	3 622	17	47	243	397	414	925	796	382	278	123	42.5
Transportation, communications, and other public utilities	–	629	–	–	17	44	81	159	201	70	43	14	45.7
All other industries	8	2 943	–	18	126	277	267	848	854	260	154	139	44.2
Managers and administrators, n.e.c., self-employed	–	2 481	–	2	72	133	220	569	666	345	234	240	48.7
Construction	–	445	–	2	9	44	52	147	113	28	23	27	42.9
Manufacturing	–	360	–	–	19	16	38	78	67	59	30	53	49.3
Wholesale and retail trade	–	1 263	–	–	31	58	105	259	360	178	153	119	50.0
All other industries	–	413	–	–	13	15	25	85	126	80	28	41	50.4
Sales workers	741	14 749	649	480	1 523	1 617	1 425	3 041	3 122	1 161	902	829	40.5
Insurance agents, brokers, and underwriters	–	1 803	–	–	106	225	249	517	376	161	90	79	41.2
Real estate agents and brokers	–	495	–	3	6	41	45	105	142	46	49	58	48.3
Sales representatives, manufacturing industries	–	1 849	4	12	139	233	185	445	446	160	113	112	42.9
Sales representatives, wholesale trade	–	2 986	6	23	210	482	309	718	658	271	134	175	41.4
Sales clerks, retail trade	56	3 709	421	341	646	276	250	435	614	253	260	213	33.4
Salesmen, retail trade	–	1 631	26	14	174	149	189	367	424	107	92	89	42.2
Salesmen of services and construction	5	655	–	5	62	55	80	178	177	38	43	17	42.1
Other sales workers	680	1 621	192	82	180	156	118	276	285	125	121	86	38.0
Clerical and kindred workers	114	18 089	921	1 437	2 688	1 615	1 223	2 795	3 912	1 561	1 150	787	39.2
Bank tellers and cashiers	5	1 287	306	264	304	61	43	48	85	53	49	74	21.2
Bookkeepers and billing clerks	4	914	5	44	132	119	47	176	180	63	66	82	41.3
Mail handlers and postal clerks	6	2 596	24	74	99	148	166	645	1 015	287	100	38	46.4
Other clerical and kindred workers	99	13 292	586	1 055	2 153	1 287	967	1 926	2 632	1 158	935	593	38.1
Craftsmen and kindred workers	93	51 296	412	1 143	4 520	5 947	4 799	11 143	13 126	5 010	3 337	1 859	42.9
Apparel craftsmen and upholsterers	11	388	–	21	11	15	51	46	112	50	31	51	49.5
Bakers	–	552	22	18	59	47	39	113	128	61	40	25	43.1
Cabinetmakers	–	386	5	3	39	62	39	99	76	29	10	24	39.5
Construction craftsmen	14	12 243	79	244	1 129	1 501	1 204	2 879	2 893	1 077	849	388	41.8
Carpenters	11	4 381	31	115	419	470	456	992	1 105	386	259	148	42.1
Excavating, grading, and road machine operators	3	780	–	7	63	109	101	205	193	61	41	–	40.4
Electricians	–	1 884	–	21	188	273	190	486	378	141	141	66	40.6
Masons and tile setters	–	814	–	–	62	115	62	250	145	97	43	40	41.7
Painters, construction and maintenance, and paperhangers	–	1 660	44	37	110	175	102	380	397	161	192	62	44.5
Plasterers and cement finishers	–	385	–	9	39	48	49	104	84	18	34	–	39.6
Plumbers and pipe fitters	–	1 655	–	28	145	223	151	341	439	155	106	67	43.2
Other construction craftsmen	–	684	4	27	103	88	93	121	152	58	33	5	37.2
Foremen, n.e.c.	–	8 533	17	32	275	755	750	2 118	2 595	1 085	656	250	46.2
Manufacturing	–	5 635	13	27	158	519	506	1 421	1 683	732	416	160	46.0
Nonmanufacturing industries	–	2 898	4	5	117	236	244	697	912	353	240	90	46.6
Linemen and servicemen, telephone and power	–	1 540	–	26	307	285	143	363	346	60	10	–	35.2
Locomotive engineers and firemen	–	121	5	–	6	–	5	6	48	35	16	–	53.0
Mechanics and repairmen	14	11 136	132	341	1 169	1 477	1 112	2 252	2 804	902	651	296	40.9
Air conditioning, heating, and refrigeration	–	655	6	–	78	92	89	109	172	61	40	8	40.7
Aircraft	–	703	–	5	29	81	68	154	252	72	28	14	45.6
Automobile, including body	14	4 168	69	246	668	702	396	774	861	255	131	66	35.0
Radio and television	–	600	16	9	60	81	43	143	170	38	17	23	41.4
Other mechanics and repairmen	–	5 010	41	81	334	521	516	1 072	1 349	476	435	185	44.4
Metal craftsmen, except mechanics	–	7 945	21	192	733	954	692	1 467	2 206	878	522	280	44.4
Machinists and job and die setters	–	3 263	4	86	322	429	298	574	832	395	243	80	43.6
Sheetmetal workers and tinsmiths	–	654	–	21	85	85	72	121	153	67	24	26	40.3
Tool and die makers	–	2 462	17	45	211	312	177	446	759	238	137	120	45.3
Other metal craftsmen	–	1 566	–	40	115	128	145	326	462	178	118	54	45.6
Printing craftsmen	6	1 890	18	79	198	252	157	491	304	164	128	99	39.9
Compositors and typesetters	6	812	12	21	89	99	47	176	146	69	80	73	42.8
Pressmen and plate printers, printing	–	753	6	43	84	114	85	198	122	58	39	4	37.2
Stationary engineers and power station operators	–	760	–	–	21	91	48	106	271	78	102	43	49.2
Other craftsmen and kindred workers	48	5 802	113	187	573	508	559	1 203	1 343	591	322	403	43.0

Table 174. Occupation of Employed Persons by Age, Race, and Sex: 1970—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Persons 14 and 15 years old	Persons 16 years old and over											
		Total	16 and 17 years	18 and 19 years	20 to 24 years	25 to 29 years	30 to 34 years	35 to 44 years	45 to 54 years	55 to 59 years	60 to 64 years	65 years and over	Median age
PROVIDENCE–PAWTUCKET–WARWICK, R.I.–MASS., SMSA—Continued													
Total—Continued													
Male employed—Continued													
Operatives, except transport	**175**	**38 579**	**1 544**	**2 065**	**4 408**	**3 788**	**3 095**	**7 119**	**8 623**	**3 809**	**2 693**	**1 435**	**41.2**
Assemblers	10	1 815	67	94	218	258	231	338	376	129	58	46	36.2
Checkers, examiners, and inspectors; manufacturing	–	1 978	15	29	208	196	186	400	481	226	173	64	43.9
Garage workers and gas station attendants	14	1 059	270	234	215	68	51	94	73	21	14	19	20.6
Laundry and drycleaning operatives, n.e.c	12	380	30	17	34	53	19	40	67	35	42	43	44.3
Meat cutters and butchers	–	1 067	47	35	74	127	115	230	211	130	52	46	40.9
Mine operatives, n.e.c	–	23	5	–	–	5	4	9	–	–	–	–	...
Packers and wrappers, except produce	5	1 034	141	114	170	74	58	161	183	64	52	17	31.6
Painters, manufactured articles	–	554	10	52	89	64	51	114	114	39	17	4	36.0
Precision machine operatives	–	2 485	22	47	233	267	176	538	682	280	185	55	44.2
Sawyers	–	100	–	–	19	–	–	17	29	10	15	10	...
Stationary firemen	5	787	–	5	52	60	49	118	188	118	106	91	50.8
Textile operatives	–	3 844	121	177	350	185	210	663	906	479	520	233	47.4
Welders and flamecutters	–	1 377	11	23	219	213	186	232	304	114	52	23	36.6
Other metalworking operatives	18	3 582	114	260	381	295	267	670	809	404	216	166	42.1
Other specified operatives	90	6 471	174	273	652	699	494	1 299	1 552	583	475	270	42.3
Miscellaneous and not specified operatives	21	12 023	517	705	1 494	1 224	998	2 196	2 648	1 177	716	348	39.9
Occupation:													
Machine operatives, miscellaneous specified	10	5 070	158	296	569	553	476	866	1 116	480	364	192	40.6
Machine operatives, not specified	–	2 662	25	87	325	320	254	579	629	240	136	67	40.5
Miscellaneous operatives	6	2 465	145	201	382	166	170	427	491	296	139	48	38.9
Not specified operatives	5	1 826	189	121	218	185	98	324	412	161	77	41	38.1
Industry:													
Manufacturing	16	10 965	449	580	1 344	1 111	918	1 953	2 524	1 097	670	319	40.5
Durable goods	5	7 847	299	393	997	827	603	1 344	1 780	857	511	236	41.0
Wood products, including furniture	–	198	11	21	38	39	21	26	21	5	16	–	28.7
Primary metal industries	–	2 128	26	68	180	196	178	400	602	287	149	42	45.3
Fabricated metal industries	–	790	6	51	143	97	34	91	157	121	52	38	42.0
Machinery, including electrical	–	1 486	30	25	185	191	173	266	365	155	86	10	40.2
Motor vehicles and equipment	–	56	–	–	5	14	6	10	14	7	–	–	...
Transportation equipment, except motor vehicles	–	63	–	–	6	15	8	9	15	–	10	–	...
Other durable goods	5	3 126	226	228	440	275	183	542	606	282	198	146	38.9
Nondurable goods	11	3 068	150	187	347	276	310	596	734	226	159	83	39.4
Food and kindred products	–	422	9	25	27	24	52	105	112	40	24	4	42.0
Apparel and other fabricated textile products	–	94	10	11	27	5	–	4	16	16	–	5	...
Paper and allied products	6	610	38	32	91	77	76	102	90	28	28	48	34.4
Chemicals and allied products	–	582	13	16	50	59	40	147	182	55	15	5	42.7
Other nondurable goods	5	1 360	80	103	152	111	142	238	334	87	92	21	38.9
Not specified manufacturing industries	–	50	–	–	–	8	5	13	10	14	–	–	...
Nonmanufacturing industries	5	1 058	68	125	150	113	80	243	124	80	46	29	34.6
Transportation, communications, and other public utilities	–	104	5	3	16	10	–	41	15	10	4	–	39.4
Wholesale and retail trade	–	556	52	75	85	63	62	104	26	48	16	25	30.2
All other industries	5	398	11	47	49	40	18	98	83	22	26	4	38.5
Transport equipment operatives	**34**	**12 108**	**113**	**265**	**1 222**	**1 257**	**1 244**	**2 787**	**2 952**	**1 228**	**671**	**369**	**42.0**
Bus drivers	–	786	–	–	47	35	80	88	157	141	157	81	54.1
Taxicab drivers and chauffeurs	–	448	5	4	21	51	26	90	73	37	69	72	48.7
Truck drivers and deliverymen	28	9 023	76	203	944	976	1 017	2 253	2 249	853	323	129	40.8
Other transport equipment operatives	6	1 851	32	58	210	195	121	356	473	197	122	87	43.7
Laborers, except farm	**233**	**12 118**	**1 157**	**1 253**	**1 892**	**1 109**	**807**	**1 792**	**2 162**	**977**	**597**	**372**	**34.0**
Construction laborers	15	2 444	74	103	446	280	214	520	473	178	129	27	37.0
Freight, stock, and material handlers	89	5 048	739	743	783	375	262	637	848	384	188	89	28.5
Other specified laborers	124	2 704	208	227	408	257	163	355	500	240	180	166	37.5
Miscellaneous and not specified laborers	5	1 922	136	180	255	197	168	280	341	175	100	90	35.9
Occupation:													
Miscellaneous laborers	–	626	36	25	40	60	75	110	141	84	35	20	42.0
Not specified laborers	5	1 296	100	155	215	137	93	170	200	91	65	70	32.2
Industry:													
Manufacturing	5	1 029	43	79	121	100	120	172	211	94	68	21	38.0
Durable goods	–	568	5	41	77	72	57	97	117	61	34	7	38.3
Wood products, including furniture	–	9	–	9	–	–	–	–	–	–	–	–	...
Metal industries	–	216	–	10	16	30	8	40	64	29	19	–	45.6
Machinery, including electrical	–	94	–	5	14	7	11	23	5	22	–	7	...
Transportation equipment	–	30	5	–	–	4	6	–	6	5	4	–	...
Other durable goods	–	219	–	17	47	31	32	34	42	5	11	–	32.3
Nondurable goods	5	455	38	38	38	28	63	75	94	33	34	14	38.0
Food and kindred products	5	56	5	–	–	–	17	21	7	–	6	–	...
Not specified manufacturing industries	–	6	–	–	6	–	–	–	–	–	–	–	...
Nonmanufacturing industries	–	893	93	101	134	97	48	108	130	81	32	69	32.2
Railroads and railway express service	–	31	4	–	–	–	4	–	10	–	5	8	...
Transportation, except railroads	–	47	–	6	–	16	–	9	5	–	–	11	...
Communications, and utilities and sanitary services	–	152	–	9	11	16	4	24	36	31	4	17	48.3
Wholesale and retail trade	–	308	48	42	61	29	26	41	33	5	9	14	25.5
All other industries	–	355	41	44	62	36	14	34	46	45	14	19	29.2
Farmers and farm managers	**11**	**502**	**–**	**5**	**30**	**42**	**54**	**124**	**116**	**27**	**24**	**80**	**44.7**
Farm laborers and farm foremen	**32**	**520**	**73**	**34**	**58**	**37**	**40**	**77**	**81**	**17**	**27**	**76**	**37.3**
Paid farm laborers and farm foremen	17	484	63	34	55	32	40	66	74	17	27	76	37.7
Unpaid family workers	15	36	10	–	3	5	–	11	7	–	–	–	...
Service workers, except private household[1]	**711**	**21 005**	**1 902**	**1 281**	**2 135**	**1 556**	**1 255**	**2 992**	**3 738**	**2 007**	**2 022**	**2 117**	**42.9**
Cleaning service workers	157	6 272	522	337	474	139	171	628	1 298	898	931	874	51.7
Food service workers	333	5 147	1 140	643	671	270	187	546	753	300	304	333	27.2
Cooks, except private household	44	1 767	276	164	186	129	56	267	336	166	100	87	37.7
Busboys and dishwashers	224	1 086	511	273	148	35	10	13	21	23	15	37	18.2
Health service workers	7	795	34	68	151	79	50	103	149	89	46	26	36.5
Personal service workers	65	1 867	116	55	197	189	158	266	295	212	174	205	43.2
Protective service workers	11	5 068	4	16	357	684	589	1 210	942	369	387	510	42.3
Firemen, fire protection	–	1 536	–	–	135	229	185	479	349	102	48	9	39.6
Guards and watchmen	–	1 530	–	16	82	90	63	192	263	165	239	420	56.8
Policemen and detectives	11	1 836	–	–	140	365	330	519	298	77	80	27	36.6
Private household workers	**10**	**90**	**17**	**5**	**16**	**5**	**11**	**16**	**5**	**5**	**6**	**4**	**...**

[1]Includes allocated cases not shown separately.

Table 174. Occupation of Employed Persons by Age, Race, and Sex: 1970—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More

PROVIDENCE–PAWTUCKET–WARWICK, R.I.–MASS., SMSA—Continued

Total—Continued

	Persons 14 and 15 years old	Persons 16 years old and over: Total	16 and 17 years	18 and 19 years	20 to 24 years	25 to 29 years	30 to 34 years	35 to 44 years	45 to 54 years	55 to 59 years	60 to 64 years	65 years and over	Median age
Female employed	**1 179**	**150 439**	**5 552**	**8 175**	**20 441**	**12 283**	**9 791**	**27 839**	**35 161**	**15 040**	**9 795**	**6 362**	**41.8**
Professional, technical, and kindred workers	**25**	**20 022**	**102**	**272**	**3 963**	**3 248**	**1 817**	**3 738**	**3 565**	**1 330**	**1 222**	**765**	**36.6**
Accountants	–	670	–	5	124	83	39	178	173	22	30	16	39.7
Computer specialists	–	149	–	11	41	28	15	24	30	–	–	–	29.0
Librarians	5	333	–	22	18	20	17	47	112	24	56	17	48.8
Mathematical specialists	–	31	–	–	5	–	–	–	–	17	6	3	...
Life and physical scientists	–	148	–	–	26	42	20	39	21	–	–	–	31.5
Registered nurses, dietitians, and therapists	–	4 845	7	57	885	752	479	1 060	942	320	268	75	37.3
Dietitians	–	176	–	6	16	6	5	68	41	13	9	12	43.1
Registered nurses	–	4 397	7	32	784	703	458	950	877	292	231	63	37.3
Health technologists and technicians	4	944	12	34	333	163	99	130	110	30	18	15	27.9
Social scientists	–	100	–	–	9	38	15	23	5	4	6	–	...
Social and recreation workers	–	651	16	9	141	88	26	71	152	61	41	46	41.4
Teachers: College and university	–	542	–	5	74	120	69	116	111	30	11	6	35.3
Elementary and prekindergarten	–	5 368	15	16	1 234	898	438	1 019	757	374	413	204	35.8
Secondary	–	1 948	–	8	478	363	200	249	293	150	125	82	33.1
Other teachers	7	549	4	20	46	101	49	88	95	39	47	60	41.2
Engineering and science technicians	–	367	16	13	91	59	29	63	81	4	7	4	30.8
Technicians, except health, and engineering and science	–	30	–	–	8	13	–	–	9	–	–	–	...
Writers, artists, and entertainers	–	835	22	31	153	103	86	163	156	38	20	63	36.4
Actors and dancers	–	20	–	–	11	–	–	–	9	–	–	–	...
Authors, editors, and reporters	–	157	–	–	25	21	27	17	40	14	–	13	38.2
Other professional, technical, and kindred workers	9	2 512	10	41	297	377	236	468	518	217	174	174	41.3
Managers and administrators, except farm	**5**	**3 884**	**11**	**58**	**267**	**201**	**271**	**786**	**1 072**	**572**	**347**	**299**	**48.2**
Buyers, purchasing agents, and sales managers	–	574	–	12	62	37	40	114	162	74	45	28	46.4
Restaurant, cafeteria, and bar managers	–	161	–	4	15	–	11	26	70	17	10	8	48.5
School administrators	–	388	–	5	5	15	32	81	96	73	38	43	50.8
Other specified managers and administrators	5	918	11	19	86	59	38	166	232	178	90	39	48.4
Managers and administrators, n.e.c., salaried	–	1 439	–	18	99	85	115	340	411	163	120	88	46.5
Wholesale and retail trade	–	360	–	6	18	28	20	91	82	42	44	29	47.1
Managers and administrators, n.e.c., self-employed	–	404	–	–	–	5	35	59	101	67	44	93	55.1
Wholesale and retail trade	–	234	–	–	–	–	21	43	36	47	39	48	56.8
Sales workers	**81**	**9 441**	**846**	**697**	**980**	**528**	**467**	**1 557**	**2 247**	**1 049**	**564**	**506**	**42.7**
Demonstrators, hucksters, and peddlers	–	249	–	5	50	44	35	40	53	13	–	9	33.6
Insurance, real estate agents, and brokers	–	447	–	25	80	41	25	95	86	68	22	5	40.5
Sales clerks, retail trade	46	6 966	711	570	577	293	298	1 096	1 735	814	448	424	44.4
Salesmen, retail trade	–	199	10	–	20	5	11	58	74	6	10	5	44.2
Other sales workers	35	1 580	125	97	253	145	98	268	299	148	84	63	37.7
Clerical and kindred workers	**229**	**47 331**	**1 511**	**3 861**	**9 169**	**4 215**	**3 067**	**8 960**	**9 577**	**3 403**	**2 207**	**1 361**	**37.1**
Bank tellers	4	1 231	6	208	377	116	70	275	127	41	11	–	26.1
Bookkeepers	4	5 826	25	211	741	425	447	1 291	1 472	531	428	255	43.2
Cashiers	5	2 965	471	389	327	329	210	618	387	110	71	53	29.5
Counter clerks, except food	5	609	59	51	82	36	50	103	141	39	19	29	37.6
Enumerators and interviewers	–	131	8	–	16	–	7	16	58	10	5	11	48.2
File clerks	25	1 055	124	167	238	49	21	132	157	102	21	44	25.0
Office machine operators	–	1 892	18	115	560	251	182	359	241	86	48	32	30.1
Bookkeeping and billing machine operators	–	284	–	–	96	41	14	33	66	18	12	4	31.8
Keypunch operators	–	1 104	13	98	356	139	125	236	100	28	9	–	28.1
Payroll and timekeeping clerks	–	810	8	40	142	81	40	128	204	105	54	8	42.3
Receptionists	10	1 103	28	107	273	71	31	180	197	102	68	46	37.3
Secretaries	7	10 362	76	725	2 553	1 272	660	1 837	1 963	671	339	266	34.2
Stenographers	4	532	5	80	139	57	33	48	75	36	41	18	28.7
Telephone operators	–	1 868	50	192	284	82	115	416	392	146	154	37	40.1
Typists	5	4 428	156	480	1 012	429	205	742	866	277	156	105	33.3
Other clerical and kindred workers	160	14 519	477	1 096	2 425	1 017	996	2 815	3 297	1 147	792	457	39.4
Craftsmen and kindred workers	**14**	**4 547**	**90**	**121**	**328**	**252**	**298**	**926**	**1 353**	**618**	**329**	**232**	**46.9**
Foremen, n.e.c	–	1 483	7	14	50	45	84	324	571	217	133	38	48.8
Operatives, except transport	**208**	**41 346**	**1 258**	**1 611**	**3 045**	**2 197**	**2 487**	**7 664**	**12 572**	**5 749**	**3 272**	**1 491**	**46.9**
Assemblers	5	4 861	210	215	352	313	328	921	1 428	712	285	97	45.6
Bottling and canning operatives	–	20	–	–	–	–	–	11	4	–	–	5	...
Checkers, examiners, and inspectors; manufacturing	6	3 735	101	103	286	149	120	683	1 269	533	345	146	48.4
Dressmakers and seamstresses, except factory	4	365	7	5	10	6	6	37	118	61	68	47	54.4
Laundry and dry cleaning operatives, including ironers	–	1 037	18	21	46	53	65	189	291	181	90	83	49.3
Graders and sorters, manufacturing	–	90	–	8	9	–	11	11	34	13	4	–	...
Packers and wrappers, except produce	4	3 528	186	169	275	188	144	569	1 134	526	245	92	47.1
Sewers and stitchers	–	3 209	45	96	213	153	189	617	1 011	430	313	142	47.9
Textile operatives	10	4 941	78	91	286	198	294	830	1 575	895	462	232	49.4
Other specified operatives	141	7 883	238	403	692	535	589	1 471	2 117	932	626	280	45.1
Miscellaneous and not specified operatives	38	11 677	375	500	876	602	741	2 325	3 591	1 466	834	367	46.2
Manufacturing	38	11 043	356	459	788	557	681	2 203	3 431	1 414	797	357	46.4
Durable goods	27	7 962	244	325	581	363	463	1 526	2 533	1 087	580	260	46.9
Machinery, including electrical	–	1 019	8	40	98	108	102	215	305	86	51	6	42.1
Other durable goods	27	6 943	236	285	483	255	361	1 311	2 228	1 001	529	254	47.4
Nondurable goods, including not specified manufacturing	11	3 081	112	134	207	194	218	677	898	327	217	97	45.0
Food and kindred products	–	75	–	–	10	11	–	10	23	16	5	–	...
Apparel and other fabricated textile products	–	345	44	–	46	28	38	63	85	21	20	–	37.6
Nonmanufacturing industries	–	634	19	41	88	45	60	122	160	52	37	10	40.2
Transport equipment operatives	**–**	**365**	**–**	**17**	**27**	**41**	**48**	**102**	**76**	**23**	**7**	**24**	**39.9**
Laborers, except farm	**32**	**1 859**	**168**	**107**	**187**	**121**	**121**	**331**	**494**	**169**	**93**	**68**	**41.8**
Farmers and farm managers	**–**	**64**	**–**	**–**	**–**	**5**	**6**	**29**	**9**	**11**	**–**	**4**	**...**
Farm laborers and farm foremen	**11**	**137**	**21**	**15**	**18**	**6**	**6**	**14**	**21**	**23**	**13**	**–**	**36.8**
Paid farm laborers and farm foremen	11	106	21	6	12	6	6	14	10	18	13	–	36.4
Unpaid family workers	–	31	–	9	6	–	–	–	11	5	–	–	...
Service workers, except private household[1]	**381**	**19 641**	**1 468**	**1 313**	**2 388**	**1 398**	**1 133**	**3 482**	**3 882**	**1 845**	**1 516**	**1 216**	**41.1**
Cleaning service workers	33	1 827	38	45	49	70	28	197	413	362	353	272	56.0
Chambermaids and maids	17	578	21	21	17	30	4	66	128	126	124	41	55.1
Food service workers	152	7 028	912	544	572	450	473	1 409	1 442	510	416	300	39.0
Cooks, except private household	12	1 181	15	20	41	12	57	235	405	174	129	93	50.2
Waiters and food counter workers	113	4 384	702	419	478	422	343	918	668	187	142	105	32.5
Health service workers	93	5 313	382	434	878	460	312	860	1 035	434	275	243	37.2
Nursing aides, orderlies, and attendants	49	2 945	264	299	372	220	136	494	610	251	157	142	38.7
Practical nurses	6	1 456	–	29	281	171	112	261	325	133	62	82	40.2
Personal service workers	16	3 174	67	130	654	265	148	584	505	291	294	236	40.5
Hairdressers and cosmetologists	7	1 927	–	88	521	191	100	406	317	120	123	61	36.6
Private household workers	**193**	**1 802**	**77**	**103**	**69**	**71**	**70**	**250**	**293**	**248**	**225**	**396**	**53.9**
Private household workers, living in	–	209	–	9	4	5	5	11	44	35	35	61	58.8
Private household workers, living out	193	1 593	77	94	65	66	65	239	249	213	190	335	52.7

[1]Includes protective service workers and allocated cases not shown separately.

Table 174. **Occupation of Employed Persons by Age, Race, and Sex: 1970**—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Persons 14 and 15 years old	Persons 16 years old and over											
		Total	16 and 17 years	18 and 19 years	20 to 24 years	25 to 29 years	30 to 34 years	35 to 44 years	45 to 54 years	55 to 59 years	60 to 64 years	65 years and over	Median age
SPRINGFIELD–CHICOPEE–HOLYOKE, MASS.–CONN., SMSA													
Total													
Male employed	1 254	124 692	3 769	4 046	12 797	14 547	10 917	25 171	29 396	11 278	7 567	5 204	41.5
Professional, technical, and kindred workers	10	16 484	33	128	1 891	2 961	1 869	3 830	3 550	923	739	560	38.6
Accountants	–	1 251	5	–	133	241	172	246	276	73	75	30	38.0
Architects	–	63	–	–	6	12	–	24	–	11	5	5	...
Computer specialists	–	385	–	–	95	124	38	89	30	9	–	–	28.9
Engineers	–	3 098	–	–	264	447	377	783	837	198	138	54	40.9
Aeronautical and astronautical	–	242	–	–	37	48	33	61	53	10	–	–	35.5
Civil	–	295	–	–	27	29	36	84	51	25	35	8	41.6
Electrical and electronic	–	458	–	–	53	75	49	135	113	24	4	5	38.9
Mechanical	–	552	–	–	31	95	84	112	146	53	16	15	40.9
Other engineers	–	1 551	–	–	116	200	175	391	474	86	83	26	42.3
Lawyers and judges	–	525	–	–	–	27	48	142	135	20	68	85	48.4
Life and physical scientists	–	323	–	–	29	53	44	93	57	20	21	6	38.8
Chemists	–	247	–	–	15	37	41	68	39	20	21	6	39.5
Physicians, dentists, and related practitioners	–	1 324	–	–	14	68	83	391	350	182	87	149	48.0
Dentists	–	266	–	–	–	11	15	81	107	15	13	24	47.4
Pharmacists	–	364	–	–	14	28	31	134	79	52	11	15	43.1
Physicians, medical and osteopathic	–	553	–	–	–	10	32	160	112	91	58	90	51.7
Other related practitioners	–	141	–	–	–	19	5	16	52	24	5	20	50.9
Health technologists and technicians	–	133	–	8	26	39	12	11	27	5	5	–	29.2
Religious workers	–	361	–	–	–	27	34	105	91	35	24	45	46.6
Social scientists	–	243	–	–	26	70	28	61	53	5	–	–	34.6
Social and recreation workers	–	253	4	17	29	77	30	38	40	10	8	–	30.0
Teachers	–	3 472	–	16	517	844	437	824	532	137	97	68	34.1
College and university	–	893	–	–	88	164	163	191	185	63	30	9	36.6
Elementary and prekindergarten	–	698	–	6	167	205	68	154	69	10	10	9	29.3
Secondary	–	1 700	–	5	232	446	190	451	244	55	47	30	34.4
Engineering and science technicians	–	1 905	15	21	383	425	218	359	335	61	66	22	32.5
Draftsmen and surveyors	–	854	15	16	173	175	114	157	143	21	27	13	32.1
Electrical and electronic engineering technicians	–	236	–	–	84	58	9	41	38	6	–	–	27.9
Technicians, except health, and engineering and science	–	260	–	–	24	29	47	71	74	6	9	–	39.2
Airplane pilots	–	44	–	–	–	10	14	10	10	–	–	–	...
Writers, artists, and entertainers	4	957	–	23	153	131	99	217	216	31	45	42	38.3
Other professional, technical, and kindred workers	6	1 931	9	43	192	347	202	376	497	120	91	54	39.6
Managers and administrators, except farm	13	13 880	35	59	739	1 331	1 364	3 551	3 855	1 449	873	624	44.6
Buyers, purchasing agents, and sales managers	5	1 957	5	12	159	232	207	487	524	201	90	40	42.5
School administrators	–	379	–	–	11	10	46	121	123	37	21	10	45.1
Specified managers and administrators, public administration	–	688	–	–	12	26	32	166	309	65	44	34	48.5
Other specified managers and administrators	8	2 374	3	21	209	315	247	544	562	228	156	89	42.2
Managers and administrators, n.e.c., salaried	–	7 139	27	26	317	633	736	1 946	1 971	705	439	339	44.4
Manufacturing	–	2 367	–	7	48	143	230	637	784	253	143	122	46.5
Wholesale and retail trade	–	2 380	22	10	148	256	215	647	567	249	166	100	43.3
Transportation, communications, and other public utilities	–	600	–	–	16	45	75	169	201	30	25	39	44.7
All other industries	–	1 792	5	9	105	189	216	493	419	173	105	78	42.5
Managers and administrators, n.e.c., self-employed	–	1 343	–	–	31	115	96	287	366	213	123	112	48.9
Construction	–	182	–	–	5	36	13	45	51	18	10	4	43.2
Manufacturing	–	116	–	–	–	15	6	21	32	28	4	10	50.0
Wholesale and retail trade	–	740	–	–	20	40	45	151	219	109	81	75	50.2
All other industries	–	305	–	–	6	24	32	70	64	58	28	23	48.2
Sales workers	477	9 052	378	320	1 027	1 107	811	1 602	1 841	779	596	591	40.5
Insurance agents, brokers, and underwriters	5	1 117	–	4	142	163	143	228	261	89	58	29	39.7
Real estate agents and brokers	–	370	–	–	18	28	46	70	83	40	29	56	47.8
Sales representatives, manufacturing industries	–	1 381	7	17	51	228	148	367	309	142	78	34	41.5
Sales representatives, wholesale trade	–	1 608	9	20	133	235	183	312	328	143	127	118	42.2
Sales clerks, retail trade	18	2 128	229	187	447	201	76	173	325	161	148	181	30.0
Salesmen, retail trade	–	1 123	10	20	118	125	75	221	279	92	72	111	44.7
Salesmen of services and construction	6	488	–	15	40	63	53	117	120	42	24	14	41.2
Other sales workers	448	837	123	57	78	64	87	114	136	70	60	48	35.8
Clerical and kindred workers	104	9 815	360	508	1 174	1 038	685	1 685	2 468	836	661	400	41.8
Bank tellers and cashiers	6	336	39	52	91	8	9	19	23	21	40	34	24.2
Bookkeepers and billing clerks	–	443	5	15	54	39	14	72	134	34	31	45	46.7
Mail handlers and postal clerks	–	1 722	11	33	76	155	127	426	657	121	87	29	45.5
Other clerical and kindred workers	98	7 314	305	408	953	836	535	1 168	1 654	660	503	292	40.3
Craftsmen and kindred workers	41	27 446	192	460	2 421	3 286	2 583	6 207	7 064	2 673	1 671	889	42.7
Apparel craftsmen and upholsterers	5	294	17	14	19	21	26	40	52	59	25	21	46.9
Bakers	–	284	6	–	13	23	29	54	89	39	10	21	46.9
Cabinetmakers	–	140	3	7	–	14	9	46	32	11	10	8	43.0
Construction craftsmen	–	5 743	22	122	512	699	543	1 304	1 550	505	292	194	42.5
Carpenters	–	1 766	6	36	168	223	131	388	517	152	87	58	43.2
Excavating, grading, and road machine operators	–	453	–	11	38	50	91	123	106	20	5	9	38.0
Electricians	–	1 085	–	12	101	177	80	249	273	105	52	36	41.9
Masons and tile setters	–	511	–	18	55	59	67	126	138	23	21	4	39.5
Painters, construction and maintenance, and paperhangers	–	685	10	18	49	58	52	105	180	103	62	48	47.8
Plasterers and cement finishers	–	89	–	3	5	4	15	44	13	–	–	5	...
Plumbers and pipe fitters	–	797	–	6	59	94	91	172	229	71	51	24	43.6
Other construction craftsmen	–	357	6	18	37	34	16	97	94	31	14	10	42.0
Foremen, n.e.c	–	4 537	4	11	133	365	379	1 302	1 400	515	357	71	45.5
Manufacturing	–	2 962	–	6	87	248	265	794	911	395	232	24	45.9
Nonmanufacturing industries	–	1 575	4	5	46	117	114	508	489	120	125	47	44.9
Linemen and servicemen, telephone and power	–	759	–	–	116	220	114	233	51	5	20	–	31.9
Locomotive engineers and firemen	–	102	–	–	–	6	17	21	22	17	19	–	48.2
Mechanics and repairmen	19	5 705	75	180	727	797	560	1 170	1 244	533	252	167	39.4
Air conditioning, heating, and refrigeration	–	260	–	–	31	48	38	80	28	10	15	10	36.6
Aircraft	–	286	–	6	47	35	31	81	77	–	9	–	38.0
Automobile, including body	–	1 962	34	129	291	247	233	332	390	189	77	40	36.4
Radio and television	–	298	–	10	32	60	31	47	59	21	24	14	38.4
Other mechanics and repairmen	19	2 899	41	35	326	407	227	630	690	313	127	103	41.6
Metal craftsmen, except mechanics	–	5 170	28	53	417	612	429	1 121	1 520	532	334	124	44.3
Machinists and job and die setters	–	2 320	23	16	230	269	209	463	651	263	144	52	43.9
Sheetmetal workers and tinsmiths	–	473	5	15	82	75	37	114	95	30	15	5	37.0
Tool and die makers	–	1 283	–	11	46	171	85	265	450	125	87	43	46.4
Other metal craftsmen	–	1 094	–	11	59	97	98	279	324	114	88	24	45.1
Printing craftsmen	–	1 413	–	38	121	199	193	330	257	134	94	47	39.7
Compositors and typesetters	–	544	–	10	63	45	74	90	128	77	38	19	43.9
Pressmen and plate printers, printing	–	556	–	8	52	119	43	166	80	36	34	18	38.4
Stationary engineers and power station operators	–	395	–	–	10	27	38	80	140	61	32	7	48.0
Other craftsmen and kindred workers	17	2 904	37	35	353	303	246	506	707	262	226	229	44.4

Table 174. Occupation of Employed Persons by Age, Race, and Sex: 1970—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Persons 14 and 15 years old	Persons 16 years old and over										
		Total	16 and 17 years	18 and 19 years	20 to 24 years	25 to 29 years	30 to 34 years	35 to 44 years	45 to 54 years	55 to 59 years	60 to 64 years	65 years and over	Median age
SPRINGFIELD–CHICOPEE–HOLYOKE, MASS.–CONN., SMSA—Continued													
Total—Continued													
Male employed—Continued													
Operatives, except transport	109	22 108	605	974	2 727	2 363	1 763	3 870	5 387	2 430	1 427	562	41.8
Assemblers	–	1 627	21	36	167	212	134	233	388	259	144	33	45.3
Checkers, examiners, and inspectors; manufacturing	–	1 741	6	25	143	172	82	294	528	286	179	26	47.8
Garage workers and gas station attendants	32	770	170	188	135	60	21	50	68	34	24	20	21.0
Laundry and drycleaning operatives, n.e.c	–	145	26	9	10	29	11	7	39	10	1	3	29.7
Meat cutters and butchers	7	669	11	14	89	52	56	103	157	80	50	57	45.6
Mine operatives, n.e.c	–	25	5	6	–	–	–	–	14	–	–	–	...
Packers and wrappers, except produce	5	509	71	41	57	26	52	83	83	49	33	14	35.9
Painters, manufactured articles	–	211	–	6	25	9	9	47	84	11	–	20	46.1
Precision machine operatives	–	2 035	10	50	160	240	153	339	628	248	173	34	46.0
Sawyers	–	75	–	5	3	5	–	23	12	18	9	–	...
Stationary firemen	–	227	–	–	6	5	37	41	75	36	17	10	48.3
Textile operatives	–	492	9	21	69	31	53	88	93	73	36	19	42.2
Welders and flamecutters	–	720	–	11	111	87	59	111	211	105	16	9	43.3
Other metalworking operatives	–	1 062	21	19	130	84	75	204	263	139	112	15	44.9
Other specified operatives	62	3 683	65	155	483	404	382	650	776	395	236	137	40.4
Miscellaneous and not specified operatives	3	8 117	190	388	1 139	947	639	1 597	1 968	687	397	165	39.7
Occupation:													
Machine operatives, miscellaneous specified	3	3 517	74	129	506	438	266	738	839	342	118	67	39.7
Machine operatives, not specified	–	2 414	23	90	379	249	208	540	558	203	137	27	39.8
Miscellaneous operatives	–	1 313	45	80	158	166	100	191	355	96	89	33	40.6
Not specified operatives	–	873	48	89	96	94	65	128	216	46	53	38	38.5
Industry:													
Manufacturing	3	7 435	148	339	1 024	884	589	1 513	1 793	627	367	151	39.8
Durable goods	3	3 663	46	161	493	438	288	745	899	311	204	78	40.4
Wood products, including furniture	–	98	4	11	11	5	5	15	10	11	15	11	...
Primary metal industries	–	686	5	30	85	64	68	183	151	53	34	13	40.0
Fabricated metal industries	–	430	7	11	37	32	39	105	115	56	20	8	43.5
Machinery, including electrical	3	885	5	28	107	134	46	183	274	49	40	19	41.7
Motor vehicles and equipment	–	57	–	–	–	–	5	5	16	31	–	–	...
Transportation equipment, except motor vehicles	–	377	–	32	76	47	58	49	68	27	14	6	32.9
Other durable goods	–	1 130	25	49	177	156	67	205	265	84	81	21	39.4
Nondurable goods	–	3 715	102	178	526	434	301	755	874	309	163	73	39.2
Food and kindred products	–	175	14	9	17	17	19	29	44	5	11	10	39.0
Apparel and other fabricated textile products	–	72	5	16	8	4	–	–	34	–	–	5	...
Paper and allied products	–	1 606	27	68	224	192	138	353	338	161	68	37	39.4
Chemicals and allied products	–	540	–	25	59	71	33	152	143	28	29	–	40.4
Other nondurable goods	–	1 322	56	60	218	150	111	221	315	115	55	21	38.0
Not specified manufacturing industries	–	57	–	–	5	12	–	13	20	7	–	–	...
Nonmanufacturing industries	–	682	42	49	115	63	50	84	175	60	30	14	37.6
Transportation, communications, and other public utilities	–	115	8	–	23	25	–	5	42	5	7	–	38.0
Wholesale and retail trade	–	345	29	38	69	10	22	51	76	33	8	9	35.9
All other industries	–	222	5	11	23	28	28	28	57	22	15	5	40.7
Transport equipment operatives	19	6 347	85	215	716	812	681	1 346	1 396	603	305	188	39.9
Bus drivers	–	413	–	5	12	62	26	87	89	52	55	25	46.6
Taxicab drivers and chauffeurs	–	223	–	8	12	20	18	28	52	36	10	39	49.9
Truck drivers and deliverymen	9	4 694	65	167	583	619	527	1 015	1 067	391	174	86	38.8
Other transport equipment operatives	10	1 017	20	35	109	111	110	216	188	124	66	38	40.7
Laborers, except farm	184	6 618	876	691	942	671	447	943	1 149	482	273	144	31.4
Construction laborers	11	1 159	41	75	254	153	88	228	219	78	15	8	33.2
Freight, stock, and material handlers	85	2 841	577	349	414	257	137	310	462	218	68	49	26.6
Other specified laborers	82	1 444	133	152	138	175	137	194	234	105	124	52	34.5
Miscellaneous and not specified laborers	6	1 174	125	115	136	86	85	211	234	81	66	35	36.9
Occupation:													
Miscellaneous laborers	–	209	5	36	14	11	11	37	37	34	13	11	42.4
Not specified laborers	6	965	120	79	122	75	74	174	197	47	53	24	35.7
Industry:													
Manufacturing	6	630	36	58	91	47	56	111	154	29	38	10	37.4
Durable goods	6	387	25	28	65	22	32	62	102	29	18	4	38.5
Wood products, including furniture	–	31	10	–	21	–	–	–	–	–	–	–	...
Metal industries	–	173	–	16	14	18	22	29	48	17	9	–	40.7
Machinery, including electrical	6	28	–	–	5	–	–	12	5	6	–	–	...
Transportation equipment	–	28	–	–	6	–	5	6	11	–	–	–	...
Other durable goods	–	127	15	12	19	4	5	15	38	6	9	4	40.7
Nondurable goods	–	233	11	30	26	25	24	49	48	–	20	–	35.1
Food and kindred products	–	30	–	8	4	–	–	5	13	–	–	–	...
Not specified manufacturing industries	–	10	–	–	–	–	–	–	4	–	–	6	...
Nonmanufacturing industries	–	544	89	57	45	39	29	100	80	52	28	25	36.3
Railroads and railway express service	–	29	–	–	–	4	7	5	8	5	–	–	...
Transportation, except railroads	–	35	5	4	6	–	5	7	5	3	–	–	...
Communications, and utilities and sanitary services	–	112	–	17	14	10	12	22	12	11	9	5	36.4
Wholesale and retail trade	–	194	40	29	19	17	5	38	31	5	6	4	27.6
All other industries	–	174	44	7	6	8	–	28	24	28	13	16	42.9
Farmers and farm managers	–	516	–	–	30	26	34	109	149	44	24	100	49.0
Farm laborers and farm foremen	60	606	112	39	97	73	18	103	53	13	28	70	28.8
Paid farm laborers and farm foremen	54	566	106	39	85	73	13	98	48	13	28	63	28.6
Unpaid family workers	6	40	6	–	12	–	5	5	5	–	–	7	...
Service workers, except private household[1]	237	11 808	1 093	646	1 033	879	662	1 925	2 478	1 046	970	1 076	43.3
Cleaning service workers	70	3 906	313	185	277	198	150	429	890	546	474	444	49.5
Food service workers	106	2 608	675	273	353	197	69	260	338	136	131	176	25.1
Cooks, except private household	17	813	176	72	119	58	27	111	97	48	38	67	28.4
Busboys and dishwashers	62	495	270	84	52	16	–	6	24	9	5	29	17.8
Health service workers	–	410	17	44	84	24	35	57	65	41	28	15	35.2
Personal service workers	11	939	43	49	73	122	82	216	115	84	78	77	39.7
Protective service workers	–	3 105	8	32	126	226	271	820	910	208	197	307	45.8
Firemen, fire protection	–	950	–	–	28	52	88	308	390	49	30	5	45.0
Guards and watchmen	–	946	8	27	37	51	80	145	187	82	130	199	51.7
Policemen and detectives	–	1 097	–	5	56	118	96	356	320	71	28	47	42.7
Private household workers	–	12	–	6	–	–	–	–	6	–	–	–	...

[1]Includes allocated cases not shown separately.

Table 174. **Occupation of Employed Persons by Age, Race, and Sex: 1970**—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More

SPRINGFIELD–CHICOPEE–HOLYOKE, MASS.–CONN., SMSA—Continued

Total—Continued

	Persons 14 and 15 years old	Persons 16 years old and over											
		Total	16 and 17 years	18 and 19 years	20 to 24 years	25 to 29 years	30 to 34 years	35 to 44 years	45 to 54 years	55 to 59 years	60 to 64 years	65 years and over	Median age
Female employed	673	83 826	3 048	4 955	11 746	6 603	5 370	15 443	19 923	7 953	5 337	3 448	41.6
Professional, technical, and kindred workers	22	13 565	71	245	2 775	1 956	1 094	2 543	2 553	1 064	638	626	37.5
Accountants	–	569	–	15	58	36	33	145	159	67	42	14	44.8
Computer specialists	–	103	–	–	54	19	–	21	4	–	–	5	24.8
Librarians	6	260	6	26	48	10	10	25	89	20	17	9	45.6
Mathematical specialists	–	28	–	5	–	3	–	–	15	5	–	–	...
Life and physical scientists	–	24	–	–	4	–	5	5	5	–	5	–	...
Registered nurses, dietitians, and therapists	–	3 467	10	43	536	485	306	778	677	339	183	110	39.5
Dietitians	–	85	–	–	–	–	5	46	14	20	–	–	...
Registered nurses	–	3 254	10	38	506	475	283	721	631	310	178	102	39.4
Health technologists and technicians	–	590	17	15	219	100	34	66	86	17	33	3	27.2
Social scientists	–	48	–	–	7	10	–	8	11	–	12	–	...
Social and recreation workers	–	261	4	11	73	46	10	31	51	26	4	5	29.6
Teachers: College and university	–	598	–	10	100	96	57	103	137	34	25	36	38.5
Elementary and prekindergarten	–	3 850	24	12	886	608	385	732	576	309	151	167	35.1
Secondary	–	1 459	–	5	343	291	90	247	263	80	69	71	35.0
Other teachers	7	321	–	17	47	23	39	43	80	16	11	45	43.0
Engineering and science technicians	5	201	–	10	83	23	10	23	33	5	7	7	26.6
Technicians, except health, and engineering and science	–	23	–	–	14	4	–	–	–	5	–	–	...
Writers, artists, and entertainers	–	436	5	21	85	32	28	61	97	30	22	55	42.7
Actors and dancers	–	5	–	–	–	–	–	–	–	–	5	–	...
Authors, editors, and reporters	–	111	5	5	6	11	–	15	47	–	–	22	47.9
Other professional, technical, and kindred workers	4	1 327	5	55	218	170	87	255	270	111	57	99	40.0
Managers and administrators, except farm	3	2 567	5	28	156	120	99	573	824	354	255	153	48.7
Buyers, purchasing agents, and sales managers	–	353	5	5	45	16	14	88	110	20	39	11	45.3
Restaurant, cafeteria, and bar managers	–	224	–	–	–	4	–	66	64	58	22	10	51.6
School administrators	–	216	–	–	–	6	10	40	66	20	59	15	52.9
Other specified managers and administrators	3	536	–	5	41	28	17	104	199	68	29	45	48.7
Managers and administrators, n.e.c., salaried	–	1 007	–	18	65	61	51	218	310	160	79	45	47.9
Wholesale and retail trade	–	316	–	5	15	20	17	70	109	31	19	30	47.8
Managers and administrators, n.e.c., self-employed	–	231	–	–	5	5	7	57	75	28	27	27	50.5
Wholesale and retail trade	–	153	–	–	–	5	7	30	52	17	20	22	51.6
Sales workers	91	6 540	492	540	582	364	436	1 016	1 570	594	572	374	43.4
Demonstrators, hucksters, and peddlers	–	177	–	–	8	62	27	26	32	13	4	5	33.4
Insurance, real estate agents, and brokers	7	441	–	25	31	40	32	57	147	50	23	36	47.4
Sales clerks, retail trade	30	4 704	385	436	383	200	276	734	1 126	464	458	242	44.2
Salesmen, retail trade	–	134	5	2	14	5	6	24	36	10	27	5	48.1
Other sales workers	54	1 084	102	77	146	57	95	175	229	57	60	86	38.7
Clerical and kindred workers	99	29 173	1 131	2 574	5 126	2 190	1 695	5 298	6 588	2 255	1 513	803	38.5
Bank tellers	–	666	–	55	133	20	43	156	169	47	35	8	40.3
Bookkeepers	5	3 172	43	121	379	224	207	769	807	270	192	160	43.0
Cashiers	9	2 066	431	305	281	140	163	304	228	92	65	57	25.6
Counter clerks, except food	4	374	34	43	54	15	10	52	79	52	30	5	41.0
Enumerators and interviewers	–	84	5	–	5	16	–	16	16	–	26	–	...
File clerks	9	629	59	130	121	49	39	61	93	41	27	9	25.5
Office machine operators	–	1 217	24	160	314	146	57	242	158	59	25	32	28.8
Bookkeeping and billing machine operators	–	148	11	29	24	16	–	26	31	11	–	–	28.1
Keypunch operators	–	677	13	106	213	86	42	119	56	19	14	9	25.4
Payroll and timekeeping clerks	–	446	–	6	81	15	15	104	111	59	22	33	45.2
Receptionists	20	646	45	114	103	41	21	121	89	49	30	33	34.8
Secretaries	–	5 985	37	318	1 379	573	364	1 021	1 513	365	266	149	38.1
Stenographers	–	240	–	12	39	4	13	53	80	24	10	5	44.8
Telephone operators	5	1 164	73	95	154	62	49	255	204	94	126	52	40.8
Typists	5	2 875	88	382	551	195	152	474	650	201	142	40	36.5
Other clerical and kindred workers	42	9 609	292	833	1 532	690	562	1 670	2 391	902	517	220	40.4
Craftsmen and kindred workers	20	1 843	14	34	185	111	91	385	567	227	175	54	46.8
Foremen, n.e.c	–	485	–	6	16	31	15	96	176	88	43	14	49.5
Operatives, except transport	42	14 297	288	389	1 014	829	885	2 833	4 492	2 048	1 050	469	47.0
Assemblers	–	1 667	35	46	96	81	64	366	611	225	122	21	47.4
Bottling and canning operatives	–	5	–	–	–	–	–	–	–	–	–	5	...
Checkers, examiners, and inspectors; manufacturing	–	1 411	5	7	50	71	62	268	495	292	108	53	49.9
Dressmakers and seamstresses, except factory	–	158	–	–	12	5	10	22	21	27	13	48	56.7
Laundry and dry cleaning operatives, including ironers	–	695	18	28	49	21	23	154	174	99	77	52	48.1
Graders and sorters, manufacturing	–	126	–	6	5	–	5	20	30	34	12	14	54.0
Packers and wrappers, except produce	10	1 151	64	61	60	42	113	224	370	134	52	31	45.3
Sewers and stitchers	–	1 893	63	40	78	70	79	386	669	253	163	92	48.4
Textile operatives	–	465	4	22	33	55	32	72	114	65	44	24	46.3
Other specified operatives	28	2 680	50	66	241	215	200	533	784	321	178	92	45.4
Miscellaneous and not specified operatives	4	4 046	49	113	390	269	297	788	1 224	598	281	37	46.0
Manufacturing	–	3 671	39	87	344	260	279	721	1 115	557	241	28	45.9
Durable goods	–	1 582	15	42	173	115	160	296	488	214	73	6	44.7
Machinery, including electrical	–	494	9	–	18	43	50	103	162	76	33	–	46.5
Other durable goods	–	1 088	6	42	155	72	110	193	326	138	40	6	43.2
Nondurable goods, including not specified manufacturing	–	2 089	24	45	171	145	119	425	627	343	168	22	46.8
Food and kindred products	–	79	–	6	11	7	–	17	21	9	4	4	...
Apparel and other fabricated textile products	–	151	4	8	–	5	10	18	73	10	18	5	49.2
Nonmanufacturing industries	4	375	10	26	46	9	18	67	109	41	40	9	46.1
Transport equipment operatives	5	250	5	–	19	39	21	67	50	21	22	6	41.1
Laborers, except farm	9	639	11	50	60	56	31	127	188	63	37	16	43.8
Farmers and farm managers	–	52	–	–	–	–	–	3	25	15	5	4	...
Farm laborers and farm foremen	–	193	22	5	13	3	10	55	54	9	8	14	42.9
Paid farm laborers and farm foremen	–	140	11	5	4	3	10	45	44	–	4	14	43.2
Unpaid family workers	–	53	11	–	9	–	–	10	10	9	4	–	...
Service workers, except private household[1]	215	13 573	948	1 063	1 772	910	952	2 390	2 788	1 203	847	700	39.8
Cleaning service workers	25	1 338	42	29	46	71	54	260	288	221	149	178	50.8
Chambermaids and maids	5	543	21	14	14	29	23	121	113	90	64	54	49.4
Food service workers	93	5 571	633	441	539	406	422	962	1 207	449	305	207	38.6
Cooks, except private household	26	919	30	19	29	30	37	129	314	138	115	78	50.9
Waiters and food counter workers	45	3 415	500	337	434	345	354	656	520	150	78	41	31.3
Health service workers	5	3 129	175	323	604	171	217	603	565	235	176	60	36.2
Nursing aides, orderlies, and attendants	5	1 598	100	146	257	99	142	297	312	112	106	27	36.9
Practical nurses	–	906	6	59	156	56	57	221	196	72	60	23	40.4
Personal service workers	10	2 333	37	149	426	167	166	431	485	212	131	129	40.1
Hairdressers and cosmetologists	–	1 193	10	88	347	112	75	240	185	82	18	36	32.6
Private household workers	167	1 134	61	27	44	25	56	153	224	100	215	229	54.0
Private household workers, living in	–	194	–	5	4	–	–	20	22	23	59	61	61.9
Private household workers, living out	167	940	61	22	40	25	56	133	202	77	156	168	51.6

[1]Includes protective service workers and allocated cases not shown separately.

Table 174. Occupation of Employed Persons by Age, Race, and Sex: 1970—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Persons 14 and 15 years old	Persons 16 years old and over										
		Total	16 and 17 years	18 and 19 years	20 to 24 years	25 to 29 years	30 to 34 years	35 to 44 years	45 to 54 years	55 to 59 years	60 to 64 years	65 years and over	Median age
WORCESTER SMSA												
Total												
Male employed	854	85 235	2 900	3 420	8 192	9 215	7 364	16 897	19 010	8 088	5 875	4 274	41.8
Professional, technical, and kindred workers	13	12 760	24	152	1 440	2 122	1 644	2 938	2 528	738	684	490	38.4
Accountants	-	793	-	-	89	160	60	160	192	63	46	23	40.5
Architects	-	30	-	-	11	6	-	4	4	-	5	-	...
Computer specialists	-	317	-	9	57	127	72	38	10	-	4	-	28.6
Engineers	-	2 468	-	14	100	381	312	676	592	185	138	70	41.3
Aeronautical and astronautical	-	9	-	-	4	-	5	-	-	-	-	-	...
Civil	-	370	-	10	30	35	33	105	88	13	39	17	42.3
Electrical and electronic	-	517	-	-	18	118	100	141	100	20	20	-	36.6
Mechanical	-	411	-	-	9	66	57	103	95	42	19	20	42.1
Other engineers	-	1 161	-	4	39	162	117	327	309	110	60	33	42.9
Lawyers and judges	-	388	-	-	-	31	39	84	109	49	10	66	48.7
Life and physical scientists	-	238	-	-	13	20	19	73	78	11	12	12	44.2
Chemists	-	158	-	-	7	14	8	58	40	7	12	12	43.6
Physicians, dentists, and related practitioners	-	983	6	-	21	83	129	251	191	96	104	102	45.1
Dentists	-	211	-	-	-	9	36	78	53	-	17	18	42.8
Pharmacists	-	147	-	-	5	36	22	15	20	22	17	10	42.0
Physicians, medical and osteopathic	-	505	-	-	16	32	54	125	83	63	63	69	48.1
Other related practitioners	-	120	6	-	-	6	17	33	35	11	7	5	44.4
Health technologists and technicians	-	131	-	13	40	18	13	6	14	4	5	18	28.5
Religious workers	-	332	-	-	-	11	16	92	69	26	57	61	51.8
Social scientists	-	141	-	-	-	38	33	35	22	-	13	-	34.9
Social and recreation workers	-	266	5	5	38	51	32	21	64	24	17	9	36.0
Teachers	-	2 838	9	21	391	530	477	639	513	108	108	42	34.9
College and university	-	717	-	-	43	77	115	191	198	26	62	5	41.5
Elementary and prekindergarten	-	563	-	11	135	137	77	105	63	15	9	11	29.9
Secondary	-	1 413	4	-	197	309	264	307	219	55	37	21	33.7
Engineering and science technicians	7	1 404	-	50	259	341	208	187	251	48	39	21	31.3
Draftsmen and surveyors	-	700	-	32	122	153	125	92	133	5	27	11	31.7
Electrical and electronic engineering technicians	-	233	-	4	82	47	30	30	23	11	6	-	28.2
Technicians, except health, and engineering and science	-	87	-	5	28	6	4	15	25	-	4	-	...
Airplane pilots	-	4	-	-	-	-	4	-	-	-	-	-	...
Writers, artists, and entertainers	6	767	4	16	111	100	51	192	138	64	57	34	40.3
Other professional, technical, and kindred workers	-	1 577	-	19	282	219	179	465	256	60	65	32	36.9
Managers and administrators, except farm	23	9 270	42	27	315	776	909	2 497	2 479	978	744	503	45.3
Buyers, purchasing agents, and sales managers	-	1 119	-	6	54	135	141	307	266	78	109	23	42.3
School administrators	-	314	-	-	-	11	43	117	103	25	5	10	43.8
Specified managers and administrators, public administration	-	369	-	-	-	5	4	69	134	79	46	32	52.9
Other specified managers and administrators	23	1 514	11	13	78	217	107	368	311	155	145	109	44.0
Managers and administrators, n.e.c., salaried	-	4 825	19	8	149	336	549	1 379	1 336	512	342	195	44.8
Manufacturing	-	1 708	-	-	34	84	188	486	534	149	134	99	46.2
Wholesale and retail trade	-	1 507	8	8	51	166	142	355	440	166	105	66	45.5
Transportation, communications, and other public utilities	-	286	-	-	13	18	23	95	54	39	29	15	44.4
All other industries	-	1 324	11	-	51	68	196	443	308	158	74	15	42.6
Managers and administrators, n.e.c., self-employed	-	1 129	12	-	34	72	65	257	329	129	97	134	48.8
Construction	-	153	-	-	-	5	10	55	49	9	10	15	46.3
Manufacturing	-	103	-	-	-	-	-	20	25	28	17	13	56.2
Wholesale and retail trade	-	678	12	-	34	55	49	136	180	69	65	78	47.9
All other industries	-	195	-	-	-	12	6	46	75	23	5	28	49.5
Sales workers	314	5 668	169	148	571	616	527	1 184	1 144	449	418	442	41.8
Insurance agents, brokers, and underwriters	7	836	-	-	78	147	104	211	162	49	47	38	39.2
Real estate agents and brokers	-	146	-	3	4	9	19	22	23	10	29	27	52.0
Sales representatives, manufacturing industries	-	751	-	-	32	109	79	186	197	62	30	56	43.4
Sales representatives, wholesale trade	-	1 078	-	3	95	110	125	244	259	94	106	42	43.4
Sales clerks, retail trade	31	1 395	122	110	242	97	85	186	191	131	65	166	37.2
Salesmen, retail trade	-	608	-	24	57	42	31	155	145	49	57	48	44.7
Salesmen of services and construction	-	304	5	4	18	18	42	98	71	9	29	10	41.6
Other sales workers	276	550	42	4	45	84	42	82	96	45	55	55	42.1
Clerical and kindred workers	45	7 088	373	668	907	612	463	1 084	1 580	653	439	309	39.8
Bank tellers and cashiers	-	307	47	67	54	11	7	20	49	14	15	23	23.7
Bookkeepers and billing clerks	-	386	3	16	36	44	41	56	107	29	22	32	44.5
Mail handlers and postal clerks	-	1 046	21	41	57	29	47	184	447	124	66	30	48.2
Other clerical and kindred workers	45	5 349	302	544	760	528	368	824	977	486	336	224	37.1
Craftsmen and kindred workers	18	18 331	173	373	1 450	2 058	1 577	4 051	4 783	1 860	1 322	684	43.7
Apparel craftsmen and upholsterers	-	170	5	-	17	8	10	22	33	10	21	44	52.0
Bakers	-	355	4	17	19	36	44	74	92	32	21	16	42.8
Cabinetmakers	-	87	-	-	14	22	-	14	9	6	11	11	...
Construction craftsmen	-	4 051	30	88	358	524	317	970	1 029	348	247	140	42.3
Carpenters	-	1 140	-	20	112	118	65	223	373	83	84	62	45.9
Excavating, grading, and road machine operators	-	396	-	4	39	53	49	113	69	53	4	12	39.7
Electricians	-	660	-	22	60	111	61	156	132	51	67	-	39.9
Masons and tile setters	-	350	9	5	36	38	38	96	74	38	10	6	40.1
Painters, construction and maintenance, and paperhangers	-	559	14	5	36	51	26	134	148	65	48	32	45.9
Plasterers and cement finishers	-	94	-	-	21	10	4	35	13	11	-	-	...
Plumbers and pipe fitters	-	571	-	16	11	102	49	149	171	32	22	19	42.2
Other construction craftsmen	-	281	7	16	43	41	25	64	49	15	12	9	36.3
Foremen, n.e.c.	-	3 049	11	23	96	265	246	723	1 039	358	199	89	46.5
Manufacturing	-	2 113	-	9	72	176	168	505	740	260	135	48	46.7
Nonmanufacturing industries	-	936	11	14	24	89	78	218	299	98	64	41	46.1
Linemen and servicemen, telephone and power	-	658	3	4	59	96	81	200	144	41	30	-	39.3
Locomotive engineers and firemen	-	39	-	-	5	5	-	9	20	-	-	-	...
Mechanics and repairmen	2	3 655	54	88	385	512	403	845	745	287	223	113	39.6
Air conditioning, heating, and refrigeration	-	217	4	-	13	21	48	51	37	26	3	14	39.4
Aircraft	-	17	-	-	5	4	-	-	8	-	-	-	...
Automobile, including body	2	1 414	27	40	198	251	189	290	252	35	83	49	35.1
Radio and television	-	159	-	5	12	26	6	56	29	10	15	-	40.4
Other mechanics and repairmen	-	1 848	23	43	157	210	160	448	419	216	122	50	42.4
Metal craftsmen, except mechanics	6	3 510	13	51	307	283	270	651	988	504	324	119	46.8
Machinists and job and die setters	6	1 712	-	34	155	178	137	330	389	254	158	77	45.6
Sheetmetal workers and tinsmiths	-	229	-	5	22	46	31	45	48	32	-	-	37.3
Tool and die makers	-	709	7	-	70	26	37	160	253	65	74	17	47.2
Other metal craftsmen	-	860	6	12	60	33	65	116	298	153	92	25	49.6
Printing craftsmen	-	657	21	36	62	95	45	169	110	36	43	40	39.1
Compositors and typesetters	-	319	10	-	31	38	21	91	48	21	22	37	41.5
Pressmen and plate printers, printing	-	270	5	31	31	48	6	59	54	15	21	-	37.4
Stationary engineers and power station operators	-	248	-	-	-	10	21	55	98	15	39	10	48.9
Other craftsmen and kindred workers	10	1 852	32	66	128	202	140	319	476	223	164	102	45.8

Table 174. Occupation of Employed Persons by Age, Race, and Sex: 1970—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Persons 14 and 15 years old	Persons 16 years old and over: Total	16 and 17 years	18 and 19 years	20 to 24 years	25 to 29 years	30 to 34 years	35 to 44 years	45 to 54 years	55 to 59 years	60 to 64 years	65 years and over	Median age
WORCESTER SMSA—Continued													
Total—Continued													
Male employed—Continued													
Operatives, except transport	**56**	**13 914**	**587**	**807**	**1 364**	**1 385**	**998**	**2 291**	**2 973**	**1 832**	**1 086**	**591**	**42.9**
Assemblers	5	1 064	55	48	170	116	82	141	214	122	78	38	39.3
Checkers, examiners, and inspectors; manufacturing	-	998	-	20	52	75	60	174	308	190	91	28	48.8
Garage workers and gas station attendants	8	602	139	154	99	30	15	41	62	18	20	24	20.4
Laundry and drycleaning operatives, n.e.c	-	94	21	5	12	-	6	19	7	7	8	9	...
Meat cutters and butchers	-	288	-	12	27	28	31	51	61	53	14	11	44.0
Mine operatives, n.e.c	-	17	6	-	-	-	-	5	6	-	-	-	...
Packers and wrappers, except produce	-	457	41	65	52	57	9	32	103	37	35	26	36.4
Painters, manufactured articles	-	83	-	-	13	9	5	20	10	21	5	-	...
Precision machine operatives	-	1 372	11	39	141	148	115	246	285	204	117	66	44.4
Sawyers	-	93	-	-	-	25	12	24	10	10	6	6	...
Stationary firemen	-	248	-	4	4	15	14	44	62	56	25	24	51.9
Textile operatives	-	510	25	43	57	16	12	59	103	95	60	40	49.2
Welders and flamecutters	-	559	16	9	79	49	51	112	163	25	33	22	41.7
Other metalworking operatives	-	753	12	31	56	72	58	124	210	88	57	45	46.1
Other specified operatives	23	2 006	103	112	148	188	198	361	338	244	163	151	42.0
Miscellaneous and not specified operatives	20	4 770	158	265	454	557	330	838	1 031	662	374	101	42.4
Occupation:													
Machine operatives, miscellaneous specified	-	1 932	53	86	189	238	115	337	473	260	134	47	43.5
Machine operatives, not specified	4	1 079	13	73	121	200	103	171	181	88	111	18	36.7
Miscellaneous operatives	11	1 185	55	47	100	74	73	222	258	224	96	36	45.8
Not specified operatives	5	574	37	59	44	45	39	108	119	90	33	-	40.8
Industry:													
Manufacturing	10	4 313	121	245	402	495	296	764	958	607	339	86	42.8
Durable goods	-	3 514	46	177	324	415	253	636	821	489	295	58	43.5
Wood products, including furniture	-	90	19	7	4	22	-	-	21	-	5	12	...
Primary metal industries	-	886	-	19	48	60	49	198	212	166	104	30	48.3
Fabricated metal industries	-	446	10	53	56	53	28	71	88	39	45	3	38.2
Machinery, including electrical	-	742	12	35	83	100	44	120	181	98	61	8	43.1
Motor vehicles and equipment	-	46	-	-	-	-	7	25	14	-	-	-	...
Transportation equipment, except motor vehicles	-	43	-	-	-	5	-	20	18	-	-	-	...
Other durable goods	-	1 261	5	63	133	175	125	202	287	186	80	5	41.4
Nondurable goods	10	780	75	63	78	80	37	120	137	118	44	28	39.8
Food and kindred products	-	112	13	-	12	9	6	5	23	37	7	-	49.8
Apparel and other fabricated textile products	-	23	-	5	-	-	-	6	-	5	-	7	...
Paper and allied products	-	167	-	20	5	21	13	30	34	24	10	10	43.2
Chemicals and allied products	-	120	16	10	4	4	-	30	32	24	-	-	43.7
Other nondurable goods	10	358	46	28	57	46	18	49	48	28	27	11	30.6
Not specified manufacturing industries	-	19	-	5	-	-	6	8	-	-	-	-	...
Nonmanufacturing industries	10	457	37	20	52	62	34	74	73	55	35	15	38.2
Transportation, communications, and other public utilities	-	41	-	-	-	-	4	13	15	4	5	-	...
Wholesale and retail trade	-	274	28	14	41	44	17	40	37	40	13	-	32.9
All other industries	10	142	9	6	11	18	13	21	21	11	17	15	41.7
Transport equipment operatives	**29**	**4 916**	**40**	**125**	**574**	**710**	**599**	**1 008**	**1 052**	**413**	**247**	**148**	**39.1**
Bus drivers	-	268	-	-	4	20	35	39	38	29	50	53	54.5
Taxicab drivers and chauffeurs	-	166	-	-	11	5	6	8	85	31	4	16	51.2
Truck drivers and deliverymen	8	3 848	36	108	485	584	472	872	789	291	160	51	37.7
Other transport equipment operatives	21	634	4	17	74	101	86	89	140	62	33	28	38.9
Laborers, except farm	**81**	**4 535**	**743**	**526**	**720**	**366**	**233**	**614**	**727**	**268**	**164**	**174**	**28.8**
Construction laborers	-	911	25	63	195	108	67	185	170	50	28	20	34.8
Freight, stock, and material handlers	50	1 945	525	266	263	127	106	246	238	77	40	57	23.5
Other specified laborers	23	1 005	91	130	188	79	25	109	180	76	58	69	32.9
Miscellaneous and not specified laborers	8	674	102	67	74	52	35	74	139	65	38	28	35.9
Occupation:													
Miscellaneous laborers	4	230	30	16	18	16	8	20	53	48	15	6	46.3
Not specified laborers	4	444	72	51	56	36	27	54	86	17	23	22	31.3
Industry:													
Manufacturing	4	435	61	41	49	33	10	60	86	45	34	16	38.9
Durable goods	-	333	37	27	33	33	4	33	71	45	34	16	44.8
Wood products, including furniture	-	7	7	-	-	-	-	-	-	-	-	-	...
Metal industries	-	158	8	8	16	25	-	20	33	27	15	6	45.6
Machinery, including electrical	-	69	9	8	-	-	-	8	11	13	14	6	...
Transportation equipment	-	7	7	-	-	-	-	-	-	-	-	-	...
Other durable goods	-	92	6	11	17	8	4	5	27	5	5	4	...
Nondurable goods	4	102	24	14	16	-	6	27	15	-	-	-	24.1
Food and kindred products	-	17	6	-	7	-	-	-	4	-	-	-	...
Not specified manufacturing industries	-	-	-	-	-	-	-	-	-	-	-	-	-
Nonmanufacturing industries	4	239	41	26	25	19	25	14	53	20	4	12	31.7
Railroads and railway express service	-	12	-	7	5	-	-	-	-	-	-	-	...
Transportation, except railroads	-	11	-	-	-	-	4	-	7	-	-	-	...
Communications, and utilities and sanitary services	-	43	-	-	10	-	10	7	16	-	-	-	...
Wholesale and retail trade	-	62	26	6	-	13	11	-	6	-	-	-	...
All other industries	4	111	15	13	10	6	-	7	24	20	4	12	46.9
Farmers and farm managers	**-**	**386**	**-**	**5**	**24**	**18**	**10**	**71**	**119**	**54**	**32**	**53**	**50.5**
Farm laborers and farm foremen	**40**	**372**	**77**	**32**	**89**	**53**	**18**	**23**	**29**	**7**	**22**	**22**	**24.3**
Paid farm laborers and farm foremen	35	353	66	32	89	45	18	23	29	7	22	22	24.4
Unpaid family workers	5	19	11	-	-	8	-	-	-	-	-	-	...
Service workers, except private household[1]	**232**	**7 968**	**663**	**554**	**733**	**499**	**386**	**1 136**	**1 596**	**830**	**717**	**854**	**45.1**
Cleaning service workers	75	2 498	188	133	172	84	93	260	610	333	320	305	50.2
Food service workers	117	1 885	407	271	220	133	71	190	234	95	111	153	26.7
Cooks, except private household	18	736	77	67	79	59	47	125	152	29	57	44	38.1
Busboys and dishwashers	50	332	177	66	44	7	6	5	-	11	-	16	17.9
Health service workers	-	415	8	34	108	30	43	54	50	60	28	-	33.2
Personal service workers	5	604	29	32	68	74	34	115	70	35	72	75	40.7
Protective service workers	-	2 052	-	-	103	143	137	454	547	231	148	289	48.5
Firemen, fire protection	-	546	-	-	-	9	39	196	215	53	34	-	46.3
Guards and watchmen	-	647	-	-	67	18	19	71	118	94	83	177	56.6
Policemen and detectives	-	730	-	-	30	116	79	176	193	67	31	38	43.0
Private household workers	**3**	**27**	**9**	**3**	**5**	**-**	**-**	**-**	**-**	**6**	**-**	**4**	**...**

[1]Includes allocated cases not shown separately.

Table 174. Occupation of Employed Persons by Age, Race, and Sex: 1970—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More

WORCESTER SMSA—Continued

Total—Continued

	Persons 14 and 15 years old	Persons 16 years old and over										
		Total	16 and 17 years	18 and 19 years	20 to 24 years	25 to 29 years	30 to 34 years	35 to 44 years	45 to 54 years	55 to 59 years	60 to 64 years	65 years and over	Median age
Female employed	**474**	**54 432**	**2 497**	**3 289**	**6 995**	**4 029**	**3 291**	**9 661**	**13 016**	**5 336**	**3 818**	**2 500**	**42.4**
Professional, technical, and kindred workers	**14**	**9 366**	**32**	**189**	**1 665**	**1 311**	**805**	**1 730**	**1 800**	**819**	**594**	**421**	**38.9**
Accountants	–	333	4	10	61	17	34	62	75	37	13	20	41.5
Computer specialists	–	68	–	5	43	4	9	5	2	–	–	–	...
Librarians	–	214	5	12	40	15	9	34	41	26	14	18	42.6
Mathematical specialists	–	23	–	–	8	–	5	10	–	–	–	–	...
Life and physical scientists	–	51	–	–	12	–	9	10	15	–	5	–	...
Registered nurses, dietitians, and therapists	–	2 915	4	46	503	314	272	550	602	333	236	55	40.8
Dietitians	–	77	–	5	–	13	5	4	23	14	13	–	...
Registered nurses	–	2 765	4	32	490	292	259	534	557	319	223	55	40.7
Health technologists and technicians	–	408	–	18	119	86	29	48	60	23	11	14	28.9
Social scientists	–	29	–	–	–	5	–	5	11	8	–	–	...
Social and recreation workers	–	269	–	6	58	27	–	37	63	34	30	14	46.0
Teachers: College and university	–	182	–	9	24	13	14	64	42	5	–	11	39.8
Elementary and prekindergarten	8	2 169	14	–	362	486	189	371	318	165	142	122	35.9
Secondary	–	1 000	–	–	155	199	92	232	153	84	56	29	37.3
Other teachers	6	271	–	6	31	25	16	64	78	17	9	25	44.0
Engineering and science technicians	–	190	–	–	68	13	9	28	49	5	11	7	36.8
Technicians, except health, and engineering and science	–	34	–	–	12	–	–	17	5	–	–	–	...
Writers, artists, and entertainers	–	272	5	24	50	37	36	27	70	4	9	10	32.8
Actors and dancers	–	6	–	–	–	6	–	–	–	–	–	–	...
Authors, editors, and reporters	–	44	–	–	6	5	15	4	10	4	–	–	...
Other professional, technical, and kindred workers	–	938	–	53	119	70	82	166	216	78	58	96	43.7
Managers and administrators, except farm	–	**1 657**	**24**	**27**	**64**	**83**	**71**	**344**	**583**	**188**	**195**	**78**	**48.7**
Buyers, purchasing agents, and sales managers	–	231	6	–	5	9	5	53	99	20	24	10	48.8
Restaurant, cafeteria, and bar managers	–	156	–	–	–	10	11	29	56	23	20	7	50.0
School administrators	–	114	–	–	–	4	5	40	26	18	15	6	48.1
Other specified managers and administrators	–	421	7	10	21	32	16	68	137	52	67	11	49.1
Managers and administrators, n.e.c., salaried	–	615	11	17	34	28	34	142	218	64	56	11	46.9
Wholesale and retail trade	–	185	5	6	16	4	–	30	76	28	20	–	49.1
Managers and administrators, n.e.c., self-employed	–	120	–	–	4	–	–	12	47	11	13	33	54.4
Wholesale and retail trade	–	80	–	–	4	–	–	6	36	6	–	28	...
Sales workers	**76**	**3 782**	**409**	**254**	**308**	**167**	**194**	**491**	**914**	**434**	**342**	**269**	**45.7**
Demonstrators, hucksters, and peddlers	–	79	–	–	14	5	16	21	17	–	–	6	...
Insurance, real estate agents, and brokers	–	190	–	9	14	29	20	14	63	9	11	21	46.4
Sales clerks, retail trade	23	2 949	381	193	172	96	140	371	748	359	269	220	46.6
Salesmen, retail trade	–	86	–	–	–	–	–	12	38	16	20	–	...
Other sales workers	53	478	28	52	108	37	18	73	48	50	42	22	33.9
Clerical and kindred workers	**112**	**18 989**	**752**	**1 623**	**3 093**	**1 407**	**1 021**	**3 494**	**4 416**	**1 537**	**938**	**708**	**39.6**
Bank tellers	–	341	4	30	76	21	33	56	84	23	10	4	36.2
Bookkeepers	4	2 591	26	79	223	134	107	604	709	358	201	150	46.7
Cashiers	23	1 279	261	180	122	59	42	227	242	77	43	26	32.1
Counter clerks, except food	–	214	18	41	19	6	8	45	67	–	6	4	38.3
Enumerators and interviewers	–	62	6	–	–	10	–	11	15	13	–	7	...
File clerks	4	405	50	107	69	29	4	42	81	9	9	5	23.3
Office machine operators	–	691	4	70	171	82	63	99	150	15	28	9	31.5
Bookkeeping and billing machine operators	–	56	–	–	4	9	8	9	19	–	7	–	...
Keypunch operators	–	444	–	63	117	48	49	55	86	15	11	–	29.4
Payroll and timekeeping clerks	–	282	–	7	20	15	32	41	89	29	25	24	47.9
Receptionists	5	435	15	41	92	33	9	53	113	40	16	23	40.2
Secretaries	4	4 408	43	274	956	440	280	730	1 025	325	205	130	37.9
Stenographers	–	132	–	4	17	7	–	11	45	10	22	16	51.0
Telephone operators	15	765	101	136	86	32	33	139	118	47	44	29	34.2
Typists	–	1 877	50	243	371	127	100	373	400	146	49	18	36.3
Other clerical and kindred workers	57	5 507	174	411	871	412	310	1 063	1 278	445	280	263	40.4
Craftsmen and kindred workers	**5**	**1 124**	**15**	**48**	**70**	**71**	**30**	**257**	**326**	**132**	**132**	**43**	**47.2**
Foremen, n.e.c.	–	312	–	4	16	4	9	80	77	65	34	23	50.6
Operatives, except transport	**28**	**8 422**	**302**	**207**	**532**	**399**	**537**	**1 637**	**2 659**	**1 110**	**749**	**290**	**47.2**
Assemblers	–	951	79	22	57	73	86	183	324	74	45	8	43.7
Bottling and canning operatives	–	–	–	–	–	–	–	–	–	–	–	–	–
Checkers, examiners, and inspectors; manufacturing	–	966	–	11	105	52	63	169	336	132	76	22	47.5
Dressmakers and seamstresses, except factory	–	111	–	4	–	–	5	9	28	21	28	16	57.3
Laundry and dry cleaning operatives, including ironers	–	256	3	–	19	4	15	47	58	43	33	34	51.9
Graders and sorters, manufacturing	–	55	–	–	–	–	12	3	36	4	–	–	...
Packers and wrappers, except produce	–	812	85	62	37	55	30	173	240	74	32	24	42.9
Sewers and stitchers	–	1 332	5	21	39	34	95	239	352	264	220	63	51.6
Textile operatives	4	375	8	18	19	9	32	56	126	37	40	30	48.6
Other specified operatives	24	1 526	36	55	105	85	63	252	548	211	108	63	48.0
Miscellaneous and not specified operatives	–	2 038	86	14	151	87	136	506	611	250	167	30	45.6
Manufacturing	–	1 839	43	14	122	84	131	470	548	239	158	30	46.0
Durable goods	–	995	22	–	84	42	72	266	279	135	78	17	45.4
Machinery, including electrical	–	378	–	–	42	14	21	129	109	53	10	–	43.7
Other durable goods	–	617	22	–	42	28	51	137	170	82	68	17	46.7
Nondurable goods, including not specified manufacturing	–	844	21	14	38	42	59	204	269	104	80	13	46.6
Food and kindred products	–	7	–	–	–	4	–	3	–	–	–	–	...
Apparel and other fabricated textile products	–	80	5	–	–	–	12	9	34	10	10	–	...
Nonmanufacturing industries	–	199	43	–	29	3	5	36	63	11	9	–	40.4
Transport equipment operatives	–	**192**	**4**	**5**	**13**	**15**	**31**	**47**	**45**	**22**	**10**	–	**41.0**
Laborers, except farm	**19**	**467**	**51**	**29**	**41**	**18**	**35**	**142**	**58**	**38**	**45**	**10**	**39.2**
Farmers and farm managers	–	**20**	–	–	**6**	–	–	**4**	**6**	–	–	**4**	...
Farm laborers and farm foremen	–	**59**	**5**	–	–	**5**	**13**	**16**	**8**	**6**	**6**	–	...
Paid farm laborers and farm foremen	–	37	5	–	–	5	13	6	8	–	–	–	...
Unpaid family workers	–	22	–	–	–	–	–	10	–	6	6	–	...
Service workers, except private household[1]	**138**	**9 622**	**828**	**892**	**1 168**	**534**	**549**	**1 445**	**2 085**	**957**	**704**	**460**	**40.8**
Cleaning service workers	20	965	16	37	36	9	22	90	310	172	169	104	53.8
Chambermaids and maids	4	278	–	10	10	–	5	19	111	55	29	39	53.6
Food service workers	63	3 384	472	258	238	217	188	665	751	307	152	136	39.8
Cooks, except private household	–	550	19	–	19	11	4	102	156	96	84	59	52.7
Waiters and food counter workers	39	2 165	364	201	174	198	151	430	401	164	28	54	34.8
Health service workers	29	3 177	260	442	593	193	210	348	605	278	180	68	32.4
Nursing aides, orderlies, and attendants	20	1 568	186	201	194	87	129	195	266	168	108	34	34.5
Practical nurses	–	860	–	33	211	52	62	93	252	78	57	22	42.7
Personal service workers	–	1 306	20	60	225	84	94	205	258	137	123	100	43.3
Hairdressers and cosmetologists	–	748	5	30	198	75	59	121	128	86	31	15	35.6
Private household workers	**82**	**732**	**75**	**15**	**35**	**19**	**5**	**54**	**116**	**93**	**103**	**217**	**57.5**
Private household workers, living in	–	100	–	–	8	–	–	–	4	19	8	61	...
Private household workers, living out	82	632	75	15	27	19	5	54	112	74	95	156	55.6

[1]Includes protective service workers and allocated cases not shown separately.

Table 175. Occupation of the Male Experienced Civilian Labor Force by Earnings in 1969 and Race: 1970

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Males with earnings in 1969										Median earnings (dollars)	
	Total, 16 years old and over	$1 to $1,999 or loss	$2,000 to $3,999	$4,000 to $4,999	$5,000 to $5,999	$6,000 to $6,999	$7,000 to $7,999	$8,000 to $9,999	$10,000 to $14,999	$15,000 or more	All earners	Earners worked 50 to 52 weeks
THE STATE												
Total												
Experienced civilian labor force	**1 400 921**	**145 116**	**114 608**	**69 985**	**105 984**	**127 495**	**148 114**	**251 265**	**290 457**	**147 897**	**7 927**	**8 911**
Professional, technical, and kindred workers	**242 421**	**13 973**	**15 203**	**6 424**	**8 784**	**11 279**	**16 049**	**36 892**	**77 236**	**56 581**	**10 816**	**11 863**
Accountants	19 030	822	827	498	751	996	1 427	3 653	6 401	3 655	10 423	11 193
Architects	2 310	120	100	60	49	69	98	159	761	894	13 285	14 152
Computer specialists	8 174	409	453	201	281	369	490	1 420	3 282	1 269	10 707	11 755
Engineers	49 242	891	869	536	889	989	1 367	5 327	22 270	16 104	13 088	13 450
Aeronautical and astronautical	1 385	20	19	11	26	15	55	108	519	612	14 224	14 814
Civil	6 420	156	157	114	143	169	229	735	2 830	1 887	12 663	13 188
Electrical and electronic	14 325	246	251	157	289	200	319	1 271	6 257	5 335	13 540	13 934
Mechanical	7 164	131	95	50	103	173	147	700	3 440	2 325	13 173	13 474
Other engineers	19 948	338	347	204	328	432	617	2 513	9 224	5 945	12 816	13 114
Lawyers and judges	8 604	349	349	172	207	187	264	448	1 795	4 833	15000+	15000+
Life and physical scientists	5 719	192	255	129	166	168	328	662	1 693	2 126	12 834	13 648
Chemists	3 055	107	115	86	80	97	169	411	1 129	861	12 048	12 670
Physicians, dentists, and related practitioners	17 754	527	765	369	419	614	848	1 722	3 041	9 449	15000+	15000+
Dentists	3 171	66	114	49	79	74	51	115	403	2 220	15000+	15000+
Pharmacists	3 658	162	165	124	109	133	307	666	1 374	618	10 593	11 254
Physicians, medical and osteopathic	9 552	246	415	166	158	363	437	768	1 019	5 980	15000+	15000+
Other related practitioners	1 373	53	71	30	73	44	53	173	245	631	13 867	14 026
Health technologists and technicians	2 743	319	388	151	200	343	271	347	449	275	6 914	8 342
Religious workers	5 059	921	1 221	276	372	425	409	526	549	360	5 300	5 744
Social scientists	3 315	121	154	71	85	121	122	379	1 118	1 144	12 703	13 773
Social and recreation workers	3 343	394	380	88	173	180	397	719	732	280	8 166	9 172
Teachers	40 273	2 731	3 454	1 358	1 214	2 464	3 039	7 066	13 210	5 737	9 663	11 117
College and university	13 092	1 103	1 169	487	357	343	471	1 303	3 572	4 287	11 838	14 172
Elementary and prekindergarten	6 645	489	743	311	239	594	689	1 382	1 905	293	8 373	9 446
Secondary	17 929	787	1 280	404	475	1 331	1 679	3 954	7 038	981	9 522	10 015
Engineering and science technicians	27 106	1 332	1 854	967	1 648	2 013	3 507	6 808	7 832	1 145	8 656	9 240
Draftsmen and surveyors	11 733	525	886	443	719	809	1 381	2 727	3 783	460	8 809	9 444
Electrical and electronic engineering technicians	6 978	241	407	222	399	522	968	2 057	1 917	245	8 710	9 168
Technicians, except health, and engineering and science	3 407	168	199	82	101	156	321	682	823	875	9 984	10 696
Airplane pilots	840	14	29	5	28	18	40	42	137	527	15000+	15000+
Writers, artists, and entertainers	17 244	1 836	1 360	504	749	769	1 192	2 702	5 127	3 005	9 637	11 097
Other professional, technical, and kindred workers	29 098	2 841	2 575	962	1 480	1 416	1 969	4 272	8 153	5 430	9 548	11 007
Managers and administrators, except farm	**164 952**	**5 465**	**5 767**	**3 559**	**5 940**	**8 044**	**11 548**	**23 846**	**49 730**	**51 053**	**11 841**	**12 347**
Buyers, purchasing agents, and sales managers	22 842	569	648	380	724	1 186	1 756	3 822	6 985	6 772	11 672	12 113
School administrators	4 550	114	64	59	64	60	120	333	1 974	1 762	13 701	14 189
Specified managers and administrators, public administration	8 349	266	223	99	195	359	485	1 857	3 247	1 618	11 063	11 423
Other specified managers and administrators	28 839	1 424	1 615	1 011	1 461	1 786	2 494	4 543	7 976	6 529	10 054	10 884
Managers and administrators, n.e.c., salaried	83 172	1 917	1 896	1 233	2 184	3 286	5 105	11 225	25 715	30 611	12 866	13 265
Manufacturing	26 946	378	325	232	304	590	926	2 735	8 809	12 647	14 531	14 801
Wholesale and retail trade	25 512	662	708	493	992	1 517	2 474	4 494	7 003	7 169	11 011	11 413
Transportation, communications, and other public utilities	6 086	121	113	86	115	203	317	890	2 278	1 963	12 629	12 955
All other industries	24 628	756	750	422	773	976	1 388	3 106	7 625	8 832	12 717	13 296
Managers and administrators, n.e.c., self-employed	17 200	1 175	1 321	777	1 312	1 367	1 588	2 066	3 833	3 761	9 026	9 688
Construction	3 276	164	260	164	257	200	310	378	852	691	9 497	11 143
Manufacturing	1 517	111	102	67	82	72	99	113	425	446	11 324	11 858
Wholesale and retail trade	8 573	585	655	392	717	829	881	1 137	1 808	1 569	8 400	8 816
All other industries	3 834	315	304	154	256	266	298	438	748	1 055	9 479	10 373
Sales workers	**96 676**	**11 679**	**7 322**	**3 790**	**5 752**	**6 883**	**8 327**	**14 312**	**21 639**	**16 972**	**8 641**	**9 758**
Insurance agents, brokers, and underwriters	11 428	379	466	373	575	744	1 004	2 060	3 167	2 660	10 178	11 082
Real estate agents and brokers	4 031	338	339	151	222	171	191	433	895	1 291	10 953	12 307
Sales representatives, manufacturing industries	12 795	429	336	260	461	594	766	1 926	4 258	3 765	11 909	12 462
Sales representatives, wholesale trade	18 230	647	598	470	1 022	1 277	1 844	3 463	5 253	3 656	9 881	10 399
Sales clerks, retail trade	24 000	6 577	3 556	1 447	1 973	2 084	2 103	2 469	2 630	1 161	5 213	7 059
Salesmen, retail trade	10 185	903	801	411	744	1 011	1 237	1 765	2 177	1 136	7 988	8 841
Salesmen of services and construction	4 967	331	335	174	256	253	381	879	1 455	903	9 714	10 786
Other sales workers	11 040	2 075	891	504	499	749	801	1 317	1 804	2 400	8 002	9 676
Clerical and kindred workers	**120 242**	**16 656**	**12 374**	**6 641**	**10 408**	**13 613**	**16 302**	**25 665**	**14 953**	**3 630**	**7 026**	**7 847**
Bank tellers and cashiers	5 645	1 802	1 275	304	492	482	527	521	207	35	3 601	6 102
Bookkeepers and billing clerks	7 911	873	878	518	829	795	854	1 603	1 135	426	7 073	7 958
Mail handlers and postal clerks	19 243	1 186	1 082	541	884	1 931	3 930	7 513	1 889	287	8 018	8 325
Other clerical and kindred workers	87 443	12 795	9 139	5 278	8 203	10 405	10 991	16 028	11 722	2 882	6 798	7 741
Craftsmen and kindred workers	**295 436**	**16 349**	**17 402**	**12 771**	**21 969**	**29 414**	**38 871**	**69 263**	**75 923**	**13 474**	**8 316**	**8 895**
Apparel craftsmen and upholsterers	3 416	408	274	273	457	571	398	540	422	73	6 518	7 076
Bakers	3 224	216	269	240	416	514	623	526	329	91	6 916	7 272
Cabinetmakers	1 650	144	168	132	148	247	250	370	152	39	6 943	7 396
Construction craftsmen	81 207	5 023	5 853	4 398	6 952	8 087	10 366	17 146	19 735	3 647	7 993	8 887
Carpenters	27 905	1 878	2 414	1 685	2 654	3 085	3 660	6 045	5 747	737	7 611	8 412
Excavating, grading, and road machine operators	6 070	165	229	213	537	652	814	1 421	1 697	342	8 598	8 918
Electricians	12 112	541	507	408	722	741	1 334	2 640	4 269	950	9 366	9 867
Masons and tile setters	5 844	288	411	279	390	649	895	1 310	1 424	198	8 015	8 875
Painters, construction and maintenance, and paperhangers	11 074	1 151	1 288	904	1 245	1 380	1 625	1 910	1 249	322	6 688	7 622
Plasterers and cement finishers	2 058	99	151	172	164	247	333	424	401	67	7 589	8 367
Plumbers and pipe fitters	11 346	544	502	441	779	943	1 198	2 535	3 635	769	8 999	9 483
Other construction craftsmen	4 798	357	351	296	461	390	507	861	1 313	262	8 086	9 662
Foremen, n.e.c	43 176	971	714	715	1 404	2 453	4 384	11 033	17 581	3 921	9 984	10 310
Manufacturing	26 669	499	346	381	782	1 425	2 634	7 062	11 301	2 239	10 091	10 357
Nonmanufacturing industries	16 507	472	368	334	622	1 028	1 750	3 971	6 280	1 682	9 853	10 220
Linemen and servicemen, telephone and power	10 916	370	499	256	533	738	1 023	2 035	4 691	771	10 004	10 583
Locomotive engineers and firemen	633	27	14	–	47	9	32	101	336	67	11 287	11 855
Mechanics and repairmen	59 115	3 720	3 902	2 894	5 136	7 034	8 616	14 250	11 866	1 697	7 798	8 287
Air conditioning, heating, and refrigeration	3 908	131	106	100	192	377	620	1 070	1 092	220	8 800	9 112
Aircraft	2 019	72	47	78	73	139	214	490	851	55	9 578	10 171
Automobile, including body	23 406	1 997	2 257	1 364	2 542	3 026	3 310	4 760	3 502	648	7 156	7 685
Radio and television	3 370	223	240	210	288	325	529	844	591	120	7 754	8 203
Other mechanics and repairmen	26 412	1 297	1 252	1 142	2 041	3 167	3 943	7 086	5 830	654	8 103	8 527
Metal craftsmen, except mechanics	38 943	1 384	1 699	1 379	2 595	4 307	6 107	11 654	8 989	829	8 343	8 723
Machinists and job and die setters	19 211	647	872	732	1 352	2 267	3 071	6 122	3 888	260	8 217	8 592
Sheetmetal workers and tinsmiths	4 897	200	284	165	334	572	691	1 166	1 322	163	8 347	8 904
Tool and die makers	6 893	200	233	182	334	613	987	2 155	2 018	171	8 833	9 149
Other metal craftsmen	7 942	337	310	300	575	855	1 358	2 211	1 761	235	8 213	8 583
Printing craftsmen	13 066	707	766	468	891	1 144	1 747	3 418	3 489	436	8 474	8 932
Compositors and typesetters	5 342	274	297	199	384	432	697	1 534	1 409	116	8 506	8 891
Pressmen and plate printers, printing	5 566	306	361	229	416	548	826	1 375	1 290	215	8 141	8 648
Stationary engineers and power station operators	4 728	141	83	74	187	304	469	1 407	1 720	343	9 572	9 737
Other craftsmen and kindred workers	35 362	3 238	3 161	1 942	3 203	4 006	4 856	6 783	6 613	1 560	7 439	7 982

Table 175. **Occupation of the Male Experienced Civilian Labor Force by Earnings in 1969 and Race: 1970** — Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Males with earnings in 1969										Median earnings (dollars)	
	Total, 16 years old and over	$1 to $1,999 or less	$2,000 to $3,999	$4,000 to $4,999	$5,000 to $5,999	$6,000 to $6,999	$7,000 to $7,999	$8,000 to $9,999	$10,000 to $14,999	$15,000 or more	All earners	Earners worked 50 to 52 weeks
THE STATE — Continued												
Total — Continued												
Experienced civilian labor force — Continued												
Operatives, except transport	**185 400**	**20 364**	**19 129**	**14 647**	**21 524**	**25 657**	**26 420**	**36 435**	**19 518**	**1 706**	**6 664**	**7 383**
Assemblers	12 734	1 307	1 156	850	1 321	1 983	2 219	2 761	1 094	43	6 874	7 440
Checkers, examiners, and inspectors; manufacturing	12 069	434	701	666	1 186	1 775	2 105	3 135	1 944	123	7 605	7 990
Garage workers and gas station attendants	7 776	3 730	1 801	480	576	399	305	252	202	31	2 175	5 053
Laundry and drycleaning operatives, n.e.c	2 027	393	381	221	268	210	215	188	103	48	5 069	5 915
Meat cutters and butchers	6 749	505	393	361	683	804	1 056	1 995	862	90	7 595	8 069
Mine operatives, n.e.c	267	32	22	23	18	25	29	49	64	5	7 466	8 469
Packers and wrappers, except produce	7 094	1 669	1 096	776	874	919	656	886	202	16	5 007	6 309
Painters, manufactured articles	2 114	136	178	170	232	417	293	444	207	37	6 818	7 146
Precision machine operatives	12 266	618	733	511	1 113	1 693	2 215	3 365	1 929	89	7 661	8 035
Sawyers	1 109	59	147	153	192	214	139	161	35	9	6 016	6 459
Stationary firemen	3 092	99	95	101	296	404	549	912	604	32	8 004	8 329
Textile operatives	7 046	665	889	1 200	1 420	1 121	818	658	231	44	5 542	6 135
Welders and flamecutters	8 744	431	567	345	706	1 178	1 569	2 247	1 532	169	7 730	8 188
Other metalworking operatives	8 700	739	825	706	1 080	1 399	1 284	1 678	938	51	6 715	7 301
Other specified operatives	34 911	3 636	4 304	3 489	4 657	4 744	4 365	5 858	3 425	433	6 289	6 989
Miscellaneous and not specified operatives	58 702	5 911	5 841	4 595	6 902	8 372	8 603	11 846	6 146	486	6 729	7 432
Occupation:												
Machine operatives, miscellaneous specified	25 314	2 177	2 307	2 034	2 990	3 593	3 780	5 518	2 785	130	6 876	7 486
Machine operatives, not specified	13 667	946	1 302	1 056	1 689	2 105	2 083	2 890	1 466	130	6 874	7 448
Miscellaneous operatives	12 704	1 751	1 498	995	1 409	1 696	1 775	2 186	1 269	125	6 412	7 343
Not specified operatives	7 017	1 037	734	510	814	978	965	1 252	626	101	6 423	7 344
Industry:												
Manufacturing	51 068	4 611	5 021	4 070	6 161	7 442	7 614	10 458	5 354	337	6 762	7 432
Durable goods	26 900	2 196	2 552	1 991	3 224	3 960	4 046	5 648	3 081	202	6 881	7 532
Wood products, including furniture	1 662	252	224	198	217	279	200	211	76	5	5 724	6 495
Primary metal industries	3 231	145	226	180	390	535	598	659	473	25	7 233	7 747
Fabricated metal industries	3 221	370	384	293	332	494	525	503	299	21	6 469	7 183
Machinery, including electrical	9 543	686	877	720	1 147	1 369	1 476	2 136	1 045	87	6 980	7 611
Motor vehicles and equipment	329	20	14	21	35	31	42	108	58	–	8 028	8 506
Transportation equipment, except motor vehicles	1 646	99	130	82	153	278	246	417	230	11	7 329	7 860
Other durable goods	7 268	624	697	497	950	974	959	1 614	900	53	6 889	7 620
Nondurable goods	23 825	2 383	2 437	2 055	2 917	3 423	3 518	4 709	2 253	130	6 619	7 318
Food and kindred products	2 793	317	202	221	306	344	441	615	332	15	7 015	7 605
Apparel and other fabricated textile products	1 139	235	293	158	131	112	80	100	30	–	4 263	5 514
Paper and allied products	6 387	460	474	476	743	921	1 060	1 559	650	44	7 113	7 552
Chemicals and allied products	2 750	184	193	129	233	428	430	717	426	10	7 484	8 040
Other nondurable goods	10 756	1 187	1 275	1 071	1 504	1 618	1 507	1 718	815	61	6 211	6 992
Not specified manufacturing industries	343	32	32	24	20	59	50	101	20	5	7 090	7 707
Nonmanufacturing industries	7 634	1 300	820	525	741	930	989	1 388	792	149	6 463	7 430
Transportation, communications, and other public utilities	1 255	90	83	52	82	142	254	279	258	15	7 703	7 985
Wholesale and retail trade	3 470	754	378	242	331	425	418	619	268	35	6 071	7 215
All other industries	2 909	456	359	231	328	363	317	490	266	99	6 222	7 227
Transport equipment operatives	**68 925**	**6 122**	**6 223**	**4 221**	**6 793**	**8 439**	**9 120**	**14 820**	**11 956**	**1 231**	**7 292**	**8 012**
Bus drivers	4 412	415	299	162	221	401	483	1 363	1 006	62	8 330	8 966
Taxicab drivers and chauffeurs	5 578	1 072	1 229	689	750	643	400	498	226	71	4 708	5 883
Truck drivers and deliverymen	48 821	3 577	3 713	2 757	4 649	5 964	6 747	10 919	9 531	964	7 556	8 198
Other transport equipment operatives	10 114	1 058	982	613	1 173	1 431	1 490	2 040	1 193	134	6 860	7 518
Laborers, except farm	**79 432**	**20 732**	**12 096**	**6 616**	**9 238**	**9 220**	**8 162**	**8 380**	**4 258**	**730**	**5 029**	**6 529**
Construction laborers	18 579	2 415	2 584	1 723	2 436	2 582	2 460	2 973	1 185	221	6 051	7 230
Freight, stock, and material handlers	30 966	10 780	4 641	2 134	2 946	2 938	2 942	2 927	1 463	195	4 029	6 466
Other specified laborers	18 770	4 818	3 297	1 653	2 294	2 166	1 662	1 550	1 061	269	4 768	6 209
Miscellaneous and not specified laborers	11 117	2 719	1 574	1 106	1 562	1 534	1 098	930	549	45	5 102	6 373
Occupation:												
Miscellaneous laborers	3 235	521	402	305	489	524	399	378	202	15	5 797	6 735
Not specified laborers	7 882	2 198	1 172	801	1 073	1 010	699	552	347	30	4 713	6 200
Industry:												
Manufacturing	4 721	970	743	598	744	642	469	387	159	9	5 067	6 089
Durable goods	2 603	524	383	297	410	356	253	250	126	4	5 238	6 208
Wood products, including furniture	224	96	28	31	15	31	11	8	4	–	3 143	5 333
Metal industries	802	155	87	93	135	99	88	103	38	4	5 489	6 826
Machinery, including electrical	700	125	139	66	127	105	54	54	30	–	5 157	5 786
Transportation equipment	242	27	29	33	34	38	44	23	14	–	5 941	6 474
Other durable goods	635	121	100	74	99	83	56	62	40	–	5 227	6 161
Nondurable goods	2 065	436	356	285	330	273	210	137	33	5	4 844	5 936
Food and kindred products	351	76	45	32	65	25	51	48	4	5	5 346	5 989
Not specified manufacturing industries	53	10	4	16	4	13	6	–	–	–	...	...
Nonmanufacturing industries	6 396	1 749	831	508	818	892	629	543	390	36	5 134	6 578
Railroads and railway express service	337	12	16	18	58	73	58	63	34	5	6 884	7 500
Transportation, except railroads	303	38	38	17	13	34	26	82	46	9	7 442	8 015
Communications, and utilities and sanitary services	1 116	150	139	78	207	195	146	136	65	–	5 923	6 561
Wholesale and retail trade	1 933	690	299	155	167	222	145	138	106	11	3 849	6 484
All other industries	2 707	859	339	240	373	368	254	124	139	11	4 648	6 363
Farmers and farm managers	**4 533**	**952**	**777**	**451**	**434**	**317**	**283**	**360**	**511**	**448**	**5 199**	**5 458**
Farm laborers and farm foremen	**5 101**	**2 000**	**916**	**415**	**538**	**428**	**283**	**284**	**182**	**55**	**3 202**	**5 338**
Paid farm laborers and farm foremen	4 946	1 884	907	403	530	428	283	284	182	45	3 299	5 385
Unpaid family workers	155	116	9	12	8	–	–	–	–	10	1 336	...
Service workers, except private household[1]	**136 963**	**30 444**	**17 212**	**10 385**	**14 516**	**14 172**	**12 725**	**20 967**	**14 534**	**2 008**	**5 719**	**7 090**
Cleaning service workers	41 462	8 549	5 439	4 084	6 525	6 246	4 359	4 072	1 883	305	5 408	6 214
Food service workers	32 893	13 513	5 979	2 486	2 973	2 571	1 786	1 952	1 400	233	2 981	5 655
Cooks, except private household	12 125	3 105	2 119	1 038	1 214	1 359	1 014	1 225	912	139	4 808	6 449
Busboys and dishwashers	6 281	4 687	1 094	195	116	71	35	44	33	6	1 340	2 933
Health service workers	5 193	873	886	411	798	884	652	440	212	37	5 534	6 337
Personal service workers	11 284	2 251	1 722	1 186	1 641	1 116	932	1 042	1 022	372	5 294	6 243
Protective service workers	36 004	2 461	1 740	1 223	1 678	2 466	4 128	12 226	9 143	939	8 704	9 036
Firemen, fire protection	10 914	153	102	72	108	412	1 320	4 502	3 870	375	9 462	9 512
Guards and watchmen	10 399	1 546	1 344	925	1 218	1 186	1 102	1 971	1 026	81	6 140	7 181
Policemen and detectives	13 308	378	220	203	316	753	1 593	5 442	3 990	413	9 173	9 281
Private household workers	**840**	**380**	**187**	**65**	**88**	**29**	**24**	**41**	**17**	**9**	**2 428**	**4 261**

[1]Includes allocated cases not shown separately.

Table 175. **Occupation of the Male Experienced Civilian Labor Force by Earnings in 1969 and Race: 1970**—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Males with earnings in 1969										Median earnings (dollars)	
	Total, 16 years old and over	$1 to $1,999 or loss	$2,000 to $3,999	$4,000 to $4,999	$5,000 to $5,999	$6,000 to $6,999	$7,000 to $7,999	$8,000 to $9,999	$10,000 to $14,999	$15,000 or more	All earners	Earners worked 50 to 52 weeks
THE STATE—Continued												
Negro												
Experienced civilian labor force	**31 580**	**3 917**	**4 342**	**3 267**	**4 420**	**4 220**	**3 546**	**4 287**	**2 905**	**676**	**5 965**	**6 710**
Professional, technical, and kindred workers	**3 347**	**313**	**293**	**200**	**336**	**298**	**356**	**567**	**689**	**295**	**7 656**	**8 480**
Accountants	165	15	21	9	22	5	28	24	35	6	7 375	...
Architects	15	–	–	–	5	–	–	–	10	–	...	...
Computer specialists	108	8	10	5	–	5	16	41	23	–	8 488	...
Engineers	337	9	9	–	9	28	16	58	136	72	11 452	11 824
Aeronautical and astronautical	17	–	6	–	–	–	–	–	6	5	...	...
Civil	22	–	–	–	–	–	–	–	9	13	...	...
Electrical and electronic	116	–	3	–	3	13	5	21	37	34	11 757	...
Mechanical	57	5	–	–	6	–	6	4	30	6	...	...
Other engineers	125	4	–	–	–	15	5	33	54	14	10 509	...
Lawyers and judges	41	5	–	4	–	–	–	–	–	32	...	...
Life and physical scientists	62	4	–	–	5	11	6	13	13	10	...	...
Chemists	41	4	–	–	–	6	–	8	13	10	...	...
Physicians, dentists, and related practitioners	74	–	6	–	–	9	3	11	16	29	...	...
Dentists	6	–	–	–	–	–	–	–	–	6	...	–
Pharmacists	5	–	–	–	–	–	–	5	–	–	...	...
Physicians, medical and osteopathic	58	–	6	–	–	9	3	6	16	18	...	...
Other related practitioners	5	–	–	–	–	–	–	–	–	5	...	–
Health technologists and technicians	151	6	9	–	15	71	8	26	11	5	6 641	6 793
Religious workers	81	4	20	10	25	–	4	11	–	7	...	...
Social scientists	60	–	10	14	6	–	–	5	25	–	...	...
Social and recreation workers	182	21	22	9	16	21	29	41	17	6	7 069	7 448
Teachers	475	94	20	37	27	22	44	55	126	50	7 852	8 659
College and university	228	46	4	26	11	7	23	12	59	40	7 870	10 833
Elementary and prekindergarten	110	27	16	–	6	–	8	21	26	6	7 750	...
Secondary	61	7	–	6	–	8	–	14	26	–	...	...
Engineering and science technicians	572	22	46	27	100	30	95	138	95	19	7 642	8 216
Draftsmen and surveyors	221	–	33	11	59	–	20	44	40	14	7 375	8 614
Electrical and electronic engineering technicians	173	8	8	10	11	18	42	52	24	–	7 750	7 845
Technicians, except health, and engineering and science	58	–	10	–	–	–	16	16	10	6	...	...
Airplane pilots	4	–	4	–	–	–	–	–	–	–	...	–
Writers, artists, and entertainers	315	38	32	26	55	16	21	37	69	21	6 406	8 615
Other professional, technical, and kindred workers	651	87	78	59	51	80	70	91	103	32	6 631	7 471
Managers and administrators, except farm	**1 526**	**105**	**97**	**80**	**114**	**142**	**241**	**211**	**375**	**161**	**7 934**	**8 527**
Buyers, purchasing agents, and sales managers	159	5	19	11	17	27	37	16	11	16	7 014	7 125
School administrators	52	5	–	–	–	10	3	–	16	18	...	...
Specified managers and administrators, public administration	190	8	12	–	19	6	19	29	67	30	10 149	11 007
Other specified managers and administrators	390	39	36	28	32	23	65	58	87	22	7 569	8 034
Managers and administrators, n.e.c., salaried	586	26	15	27	42	44	104	100	169	59	8 700	9 096
Manufacturing	113	6	10	–	–	3	25	31	23	15	8 806	9 129
Wholesale and retail trade	166	14	5	5	5	16	46	23	35	17	7 826	8 043
Transportation, communications, and other public utilities	23	–	–	–	4	5	–	14	–	–	...	...
All other industries	284	6	–	22	33	20	33	32	111	27	9 750	10 426
Managers and administrators, n.e.c., self-employed	149	22	15	14	4	32	13	8	25	16	6 609	6 860
Construction	38	5	6	6	–	–	13	3	5	–	...	...
Manufacturing	10	6	–	4	–	–	–	–	–	–	...	...
Wholesale and retail trade	59	7	9	4	–	18	–	5	16	–	...	...
All other industries	42	4	–	–	4	14	–	–	4	16	...	...
Sales workers	**946**	**146**	**111**	**106**	**95**	**122**	**67**	**165**	**91**	**43**	**6 123**	**6 785**
Insurance agents, brokers, and underwriters	163	16	–	12	12	36	10	42	35	–	7 550	8 108
Real estate agents and brokers	57	–	–	11	5	11	–	3	–	27	...	...
Sales representatives, manufacturing industries	70	13	12	–	4	17	–	13	–	11	...	...
Sales representatives, wholesale trade	85	10	6	4	5	12	19	20	4	5	...	...
Sales clerks, retail trade	292	70	51	38	42	16	17	43	15	–	4 658	5 760
Salesmen, retail trade	99	14	5	–	18	18	14	21	9	–	...	...
Salesmen of services and construction	15	–	–	–	4	–	–	5	6	–	...	...
Other sales workers	165	23	37	41	5	12	7	18	22	–	4 549	4 922
Clerical and kindred workers	**2 949**	**532**	**405**	**237**	**410**	**411**	**245**	**500**	**191**	**18**	**5 733**	**6 629**
Bank tellers and cashiers	129	41	27	7	10	8	24	12	–	–	3 741	...
Bookkeepers and billing clerks	149	45	10	16	25	4	6	29	14	–	5 140	...
Mail handlers and postal clerks	598	44	63	35	67	58	59	220	52	–	7 542	8 349
Other clerical and kindred workers	2 073	402	305	179	308	341	156	239	125	18	5 489	6 248
Craftsmen and kindred workers	**5 390**	**449**	**684**	**474**	**695**	**930**	**701**	**844**	**538**	**75**	**6 423**	**7 016**
Apparel craftsmen and upholsterers	95	10	6	27	19	14	5	5	9	–	...	...
Bakers	146	20	22	48	13	14	6	23	–	–	4 646	...
Cabinetmakers	8	4	–	–	–	–	4	–	–	–	...	...
Construction craftsmen	1 417	146	179	140	174	202	203	215	129	29	6 344	7 131
Carpenters	442	51	73	35	32	58	71	68	51	3	6 517	7 233
Excavating, grading, and road machine operators	36	–	–	4	6	6	–	14	–	6	...	...
Electricians	139	15	11	6	14	23	28	24	18	–	7 018	7 250
Masons and tile setters	165	5	22	10	10	18	46	32	11	11	7 380	...
Painters, construction and maintenance, and paperhangers	328	49	52	48	33	47	40	36	18	5	5 455	6 886
Plasterers and cement finishers	72	5	11	5	19	12	7	–	13	–	...	...
Plumbers and pipe fitters	159	12	10	19	40	29	11	20	14	4	5 963	...
Other construction craftsmen	76	9	–	13	20	9	–	21	4	–	...	...
Foremen, n.e.c.	493	16	14	12	46	58	83	109	140	15	8 321	8 413
Manufacturing	298	5	5	–	17	29	64	61	106	11	8 951	8 942
Nonmanufacturing industries	195	11	9	12	29	29	19	48	34	4	7 395	7 711
Linemen and servicemen, telephone and power	153	25	11	14	13	36	32	14	8	–	6 375	...
Locomotive engineers and firemen	–	–	–	–	–	–	–	–	–	–	–	–
Mechanics and repairmen	1 199	75	130	77	164	246	192	219	80	16	6 624	7 062
Air conditioning, heating, and refrigeration	47	–	–	–	6	23	9	9	–	–	...	...
Aircraft	48	–	5	–	5	–	7	24	7	–	...	...
Automobile, including body	605	32	88	50	87	142	106	60	34	6	6 320	6 760
Radio and television	48	5	–	–	15	–	18	6	–	4	...	...
Other mechanics and repairmen	451	38	37	27	51	81	52	120	39	6	6 895	7 338
Metal craftsmen, except mechanics	610	28	69	49	85	115	83	137	44	–	6 643	7 380
Machinists and job and die setters	302	11	33	29	34	66	41	72	16	–	6 667	7 634
Sheetmetal workers and tinsmiths	41	–	14	5	–	6	9	7	–	–	...	...
Tool and die makers	82	5	–	11	24	6	5	13	18	–	...	...
Other metal craftsmen	185	12	22	4	27	37	28	45	10	–	6 743	7 179
Printing craftsmen	318	34	54	13	41	56	43	42	35	–	6 304	6 438
Compositors and typesetters	120	–	28	3	16	18	18	17	20	–	6 722	...
Pressmen and plate printers, printing	176	34	26	10	25	25	20	25	11	–	5 720	6 536
Stationary engineers and power station operators	77	–	–	6	9	12	8	10	32	–	...	...
Other craftsmen and kindred workers	874	91	199	88	131	177	42	70	61	15	5 450	5 990

Table 175. **Occupation of the Male Experienced Civilian Labor Force by Earnings in 1969 and Race: 1970**—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Males with earnings in 1969										Median earnings (dollars)	
	Total, 16 years old and over	$1 to $1,999 or loss	$2,000 to $3,999	$4,000 to $4,999	$5,000 to $5,999	$6,000 to $6,999	$7,000 to $7,999	$8,000 to $9,999	$10,000 to $14,999	$15,000 or more	All earners	Earners worked 50 to 52 weeks
THE STATE—Continued												
Negro—Continued												
Experienced civilian labor force—Continued												
Operatives, except transport	**6 658**	**570**	**860**	**811**	**1 040**	**992**	**928**	**972**	**458**	**27**	**6 048**	**6 551**
Assemblers	346	11	47	21	73	55	51	74	14	-	6 382	6 939
Checkers, examiners, and inspectors; manufacturing	261	16	16	12	19	54	63	58	23	-	7 214	7 408
Garage workers and gas station attendants	164	30	42	24	25	5	11	12	15	-	4 417	...
Laundry and drycleaning operatives, n.e.c	171	23	27	40	30	32	17	-	2	-	4 888	5 017
Meat cutters and butchers	221	9	-	-	25	47	45	59	31	5	7 656	7 886
Mine operatives, n.e.c.	8	-	-	4	-	4	-	-	-	-	...	...
Packers and wrappers, except produce	220	37	31	28	35	52	19	18	-	-	5 400	6 303
Painters, manufactured articles	107	3	-	19	18	19	11	25	12	-	6 711	...
Precision machine operatives	224	4	29	9	37	27	43	46	23	6	7 140	7 968
Sawyers	12	-	3	5	4	-	-	-	-	-	...	...
Stationary firemen	74	6	-	4	9	8	10	11	26	-	...	...
Textile operatives	128	24	41	17	15	19	-	4	8	-	3 951	...
Welders and flamecutters	490	32	53	30	71	62	98	87	46	11	6 952	7 163
Other metalworking operatives	276	17	28	24	46	57	54	14	36	-	6 404	6 914
Other specified operatives	1 531	177	273	247	239	174	149	192	75	5	5 287	5 643
Miscellaneous and not specified operatives	2 425	181	270	327	394	377	357	372	147	-	6 107	6 584
Occupation:												
Machine operatives, miscellaneous specified	1 144	81	133	163	191	155	163	182	76	-	6 026	6 631
Machine operatives, not specified	686	59	71	77	93	152	62	143	29	-	6 283	6 594
Miscellaneous operatives	459	21	61	63	83	56	103	39	33	-	6 027	6 589
Not specified operatives	136	20	5	24	27	14	29	8	9	-	5 704	...
Industry:												
Manufacturing	2 020	149	235	231	327	318	316	331	113	-	6 214	6 639
Durable goods	918	63	133	133	127	149	131	131	51	-	6 020	6 649
Wood products, including furniture	36	11	25	-	-	-	-	-	-	-	...	...
Primary metal industries	97	8	4	30	12	13	20	6	4	-	...	...
Fabricated metal industries	145	8	32	20	23	8	25	19	10	-	5 543	...
Machinery, including electrical	263	19	49	33	31	35	47	31	18	-	5 984	6 857
Motor vehicles and equipment	22	-	-	-	11	5	-	6	-	-	...	...
Transportation equipment, except motor vehicles	124	4	12	19	-	28	15	31	15	-	6 964	7 400
Other durable goods	231	13	11	31	50	60	24	38	4	-	6 175	6 293
Nondurable goods	1 090	86	97	98	200	169	185	193	62	-	6 379	6 606
Food and kindred products	217	14	-	30	38	32	32	50	21	-	6 828	6 625
Apparel and other fabricated textile products	30	14	-	-	4	12	-	-	-	-	...	...
Paper and allied products	208	13	31	21	25	60	27	27	4	-	6 233	6 384
Chemicals and allied products	137	-	5	5	32	20	19	38	18	-	7 342	7 737
Other nondurable goods	498	45	61	42	101	45	107	78	19	-	6 000	6 427
Not specified manufacturing industries	12	-	5	-	-	-	-	7	-	-	...	...
Nonmanufacturing industries	405	32	35	96	67	59	41	41	34	-	5 590	6 315
Transportation, communications, and other public utilities	64	5	9	-	5	11	8	5	21	-	...	...
Wholesale and retail trade	166	20	9	32	28	28	20	20	9	-	5 786	6 446
All other industries	175	7	17	64	34	20	13	16	4	-	4 992	5 206
Transport equipment operatives	**2 060**	**107**	**269**	**199**	**391**	**274**	**231**	**360**	**222**	**7**	**6 234**	**6 940**
Bus drivers	151	5	13	8	5	13	30	48	29	-	8 063	8 438
Taxicab drivers and chauffeurs	378	45	93	52	92	31	18	43	4	-	4 981	5 663
Truck drivers and deliverymen	1 125	38	89	93	200	181	152	189	176	7	6 787	7 268
Other transport equipment operatives	406	19	74	46	94	49	31	80	13	-	5 681	5 980
Laborers, except farm	**2 870**	**552**	**579**	**341**	**369**	**401**	**262**	**238**	**123**	**5**	**4 891**	**5 972**
Construction laborers	747	76	132	75	98	91	99	104	67	5	5 923	7 182
Freight, stock, and material handlers	884	197	101	108	150	173	64	73	18	-	5 240	6 050
Other specified laborers	818	195	247	95	71	90	62	41	17	-	3 733	5 138
Miscellaneous and not specified laborers	421	84	99	63	50	47	37	20	21	-	4 437	5 482
Occupation:												
Miscellaneous laborers	101	14	18	4	12	27	16	6	4	-	6 093	...
Not specified laborers	320	70	81	59	38	20	21	14	17	-	4 153	4 886
Industry:												
Manufacturing	183	24	47	40	24	18	18	5	7	-	4 513	...
Durable goods	123	13	35	19	18	18	8	5	7	-	4 711	...
Wood products, including furniture	6	-	6	-	-	-	-	-	-	-	...	-
Metal industries	44	-	5	13	7	12	-	-	7	-	...	...
Machinery, including electrical	37	-	24	-	4	6	3	-	-	-	...	...
Transportation equipment	10	-	-	-	-	-	5	5	-	-	...	...
Other durable goods	26	13	-	6	7	-	-	-	-	-	...	...
Nondurable goods	60	11	12	21	6	-	10	-	-	-	...	...
Food and kindred products	30	11	-	9	6	-	4	-	-	-	...	...
Not specified manufacturing industries	-	-	-	-	-	-	-	-	-	-	-	-
Nonmanufacturing industries	238	60	52	23	26	29	19	15	14	-	4 304	...
Railroads and railway express service	11	-	-	-	5	-	-	6	-	-	...	...
Transportation, except railroads	14	-	-	-	5	-	-	4	5	-	...	...
Communications, and utilities and sanitary services	38	10	13	-	-	15	-	-	-	-	...	...
Wholesale and retail trade	36	5	-	10	-	-	12	5	4	-	...	...
All other industries	139	45	39	13	16	14	7	-	5	-	3 256	...
Farmers and farm managers	**63**	**15**	**25**	-	-	-	**7**	**16**	-	-	...	...
Farm laborers and farm foremen	**158**	**100**	**27**	-	**8**	**7**	**10**	**6**	-	-	**1 580**	...
Paid farm laborers and farm foremen	148	90	27	-	8	7	10	6	-	-	1 644	...
Unpaid family workers	10	10	-	-	-	-	-	-	-	-	...	-
Service workers, except private household[1]	**5 519**	**995**	**969**	**796**	**947**	**643**	**498**	**408**	**218**	**45**	**4 999**	**5 647**
Cleaning service workers	2 160	268	417	379	422	249	227	122	62	14	5 038	5 513
Food service workers	1 104	282	170	112	174	144	79	111	24	8	4 893	5 646
Cooks, except private household	542	71	64	37	80	110	51	102	19	8	6 173	6 500
Busboys and dishwashers	224	122	45	15	20	8	-	9	5	-	1 836	...
Health service workers	396	57	53	51	73	48	52	44	18	-	5 507	6 305
Personal service workers	420	48	107	45	111	38	26	5	20	20	5 090	5 429
Protective service workers	527	48	49	30	93	105	54	89	59	-	6 414	6 807
Firemen, fire protection	13	-	-	-	-	-	4	6	3	-	...	...
Guards and watchmen	344	43	49	23	81	76	22	35	15	-	5 704	6 209
Policemen and detectives	149	5	-	7	5	29	25	43	35	-	8 163	8 333
Private household workers	**94**	**33**	**23**	**23**	**15**	-	-	-	-	-	...	...

[1]Includes allocated cases not shown separately.

Table 175. **Occupation of the Male Experienced Civilian Labor Force by Earnings in 1969 and Race: 1970**—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Males with earnings in 1969										Median earnings (dollars)	
	Total, 16 years old and over	$1 to $1,999 or loss	$2,000 to $3,999	$4,000 to $4,999	$5,000 to $5,999	$6,000 to $6,999	$7,000 to $7,999	$8,000 to $9,999	$10,000 to $14,999	$15,000 or more	All earners	Earners worked 50 to 52 weeks
THE STATE—Continued												
Persons of Spanish Language												
Experienced civilian labor force	13 428	1 660	1 814	1 291	1 572	1 580	1 236	1 703	1 620	952	6 239	7 231
Professional, technical, and kindred workers	2 403	167	162	135	143	104	218	426	567	481	9 279	10 228
Accountants	142	14	–	–	4	7	47	39	11	20	7 979	...
Architects	16	–	5	–	–	–	–	–	–	11	...	...
Computer specialists	100	7	7	–	–	–	7	27	32	20	...	...
Engineers	431	–	8	–	21	18	5	49	139	191	14 119	14 919
Aeronautical and astronautical	10	–	–	–	–	–	–	–	–	10	...	...
Civil	82	–	8	–	–	–	–	–	43	31	...	...
Electrical and electronic	148	–	–	–	–	18	5	31	43	51	12 326	13 198
Mechanical	37	–	–	–	6	–	–	–	7	24	...	...
Other engineers	154	–	–	–	15	–	–	18	46	75	14 783	15000+
Lawyers and judges	19	–	–	–	–	–	–	–	–	19	...	...
Life and physical scientists	63	–	–	6	–	–	–	12	13	32	...	...
Chemists	46	–	–	6	–	–	–	12	13	15	...	...
Physicians, dentists, and related practitioners	255	26	–	12	7	19	35	44	73	39	9 295	9 368
Dentists	16	8	–	–	–	–	–	–	–	8	...	–
Pharmacists	14	8	–	–	–	–	6	–	–	–	...	...
Physicians, medical and osteopathic	225	10	–	12	7	19	29	44	73	31	9 614	9 526
Other related practitioners	–	–	–	–	–	–	–	–	–	–	–	–
Health technologists and technicians	22	–	–	7	–	–	–	–	7	8	...	...
Religious workers	51	9	5	–	21	7	–	–	9	–	...	...
Social scientists	68	–	7	–	–	–	–	–	39	22	...	...
Social and recreation workers	38	–	–	11	–	6	15	–	6	–	...	...
Teachers	428	23	29	23	29	11	16	117	107	73	9 419	9 942
College and university	175	5	–	9	7	5	–	42	40	67	12 438	15000+
Elementary and prekindergarten	85	10	–	–	15	–	9	30	21	–	...	...
Secondary	114	–	11	6	–	6	–	45	40	6	9 511	...
Engineering and science technicians	279	26	22	30	33	14	35	62	53	4	7 414	8 726
Draftsmen and surveyors	131	19	14	15	19	9	6	32	17	–	5 921	...
Electrical and electronic engineering technicians	82	7	–	–	7	5	22	23	18	–	...	...
Technicians, except health, and engineering and science	40	7	–	–	–	–	6	21	–	6	...	...
Airplane pilots	6	–	–	–	–	–	–	–	–	6	...	...
Writers, artists, and entertainers	188	26	31	20	22	11	18	13	38	9	5 773	7 556
Other professional, technical, and kindred workers	263	29	48	26	6	11	34	42	40	27	7 338	8 382
Managers and administrators, except farm	1 113	28	73	26	28	81	65	170	334	308	11 280	11 832
Buyers, purchasing agents, and sales managers	129	8	–	–	–	6	–	–	81	34	13 117	13 117
School administrators	18	–	4	–	–	–	–	8	–	6	...	...
Specified managers and administrators, public administration	67	–	7	–	–	–	14	7	26	13	...	...
Other specified managers and administrators	239	8	24	8	–	25	13	56	62	43	9 482	9 839
Managers and administrators, n.e.c., salaried	484	12	13	18	21	8	17	99	121	175	12 231	12 925
Manufacturing	167	7	–	–	9	–	–	17	62	72	14 073	14 718
Wholesale and retail trade	97	–	8	13	7	8	7	14	28	12	...	...
Transportation, communications, and other public utilities	13	–	–	–	–	–	–	7	6	–	...	...
All other industries	207	5	5	5	5	–	10	61	25	91	12 500	13 611
Managers and administrators, n.e.c., self-employed	176	–	25	–	7	42	21	–	44	37	7 667	7 810
Construction	21	–	–	–	–	–	–	–	6	15	...	...
Manufacturing	14	–	–	–	–	–	–	–	7	7	...	...
Wholesale and retail trade	94	–	10	–	7	25	15	–	31	6	...	...
All other industries	47	–	15	–	–	17	6	–	–	9	...	...
Sales workers	537	75	62	22	35	39	56	72	103	73	7 634	9 014
Insurance agents, brokers, and underwriters	85	–	–	7	16	15	20	21	6	–	...	...
Real estate agents and brokers	28	–	–	–	–	8	–	12	–	8	...	...
Sales representatives, manufacturing industries	61	–	–	–	7	–	7	7	34	6	...	...
Sales representatives, wholesale trade	77	9	16	–	–	8	–	13	24	7	...	...
Sales clerks, retail trade	123	48	24	–	–	8	–	12	7	24	3 125	...
Salesmen, retail trade	57	6	15	–	6	–	5	–	25	–	...	...
Salesmen of services and construction	35	–	7	–	6	–	15	7	–	–	...	...
Other sales workers	71	12	–	15	–	–	9	–	7	28	...	...
Clerical and kindred workers	917	156	126	70	94	74	151	148	81	17	6 169	7 683
Bank tellers and cashiers	44	6	14	–	7	–	17	–	–	–	...	...
Bookkeepers and billing clerks	121	27	8	17	24	7	12	14	6	6	5 354	...
Mail handlers and postal clerks	103	25	–	29	14	5	13	10	7	–	4 914	...
Other clerical and kindred workers	649	98	104	24	49	62	109	124	68	11	6 798	8 086
Craftsmen and kindred workers	2 264	182	279	189	245	402	221	408	292	46	6 590	7 438
Apparel craftsmen and upholsterers	46	–	7	7	–	20	–	–	5	7	...	...
Bakers	60	6	4	7	8	–	17	18	–	–	...	...
Cabinetmakers	15	–	–	–	–	15	–	–	–	–	...	...
Construction craftsmen	489	33	61	77	17	77	46	82	80	16	6 734	8 058
Carpenters	162	11	21	30	11	34	5	32	18	–	6 235	...
Excavating, grading, and road machine operators	–	–	–	–	–	–	–	–	–	–	–	–
Electricians	73	–	–	–	6	17	13	13	17	7	...	...
Masons and tile setters	24	–	–	–	–	6	6	6	6	–	...	–
Painters, construction and maintenance, and paperhangers	114	13	23	28	–	12	8	22	8	–	4 750	...
Plasterers and cement finishers	28	–	17	5	–	–	6	–	–	–	...	...
Plumbers and pipe fitters	28	–	–	–	–	–	8	5	6	9	...	...
Other construction craftsmen	60	9	–	14	–	8	–	4	25	–	...	...
Foremen, n.e.c.	200	13	4	5	6	25	25	72	50	–	8 611	8 800
Manufacturing	153	13	–	5	6	25	12	55	37	–	8 564	8 836
Nonmanufacturing industries	47	–	4	–	–	–	13	17	13	–	...	...
Linemen and servicemen, telephone and power	25	–	7	–	–	–	–	12	6	–	...	...
Locomotive engineers and firemen	–	–	–	–	–	–	–	–	–	–	–	–
Mechanics and repairmen	676	67	77	41	121	123	47	107	84	9	6 260	6 819
Air conditioning, heating, and refrigeration	25	–	–	–	–	13	–	7	5	–	...	...
Aircraft	22	8	–	–	–	–	–	6	8	–	...	...
Automobile, including body	319	48	17	23	78	84	13	27	29	–	5 917	6 214
Radio and television	65	–	11	–	4	6	–	35	–	9	...	...
Other mechanics and repairmen	245	11	49	18	39	20	34	32	42	–	6 275	7 206
Metal craftsmen, except mechanics	297	9	28	24	32	92	41	41	24	6	6 603	6 914
Machinists and job and die setters	202	9	28	18	28	46	41	19	13	–	6 391	6 983
Sheetmetal workers and tinsmiths	28	–	–	–	–	6	–	16	–	6	...	...
Tool and die makers	11	–	–	–	–	4	–	–	7	–	...	...
Other metal craftsmen	56	–	–	6	4	36	–	6	4	–	...	...
Printing craftsmen	77	–	16	5	14	8	13	13	8	–	...	...
Compositors and typesetters	32	–	4	–	–	8	13	7	–	–	...	...
Pressmen and plate printers, printing	25	–	–	5	14	–	–	6	–	–	...	...
Stationary engineers and power station operators	5	–	–	–	–	–	–	5	–	–	...	...
Other craftsmen and kindred workers	374	54	75	23	47	42	32	58	35	8	5 745	7 635

Table 175. **Occupation of the Male Experienced Civilian Labor Force by Earnings in 1969 and Race: 1970**—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Males with earnings in 1969										Median earnings (dollars)	
	Total, 16 years old and over	$1 to $1,999 or loss	$2,000 to $3,999	$4,000 to $4,999	$5,000 to $5,999	$6,000 to $6,999	$7,000 to $7,999	$8,000 to $9,999	$10,000 to $14,999	$15,000 or more	All earners	Earners worked 50 to 52 weeks
THE STATE—Continued												
Persons of Spanish Language—Continued												
Experienced civilian labor force—Continued												
Operatives, except transport	**3 345**	**409**	**579**	**449**	**663**	**552**	**344**	**231**	**118**	-	**5 355**	**5 846**
Assemblers	215	30	49	26	24	5	78	-	3	-	5 104	6 700
Checkers, examiners, and inspectors, manufacturing	91	13	-	14	23	-	23	12	6	-	...	...
Garage workers and gas station attendants	42	23	7	7	-	-	5	-	-	-	...	...
Laundry and drycleaning operatives, n.e.c	93	6	30	-	33	8	-	16	-	-	...	...
Meat cutters and butchers	83	7	6	38	17	15	-	-	-	-	...	...
Mine operatives, n.e.c	-	-	-	-	-	-	-	-	-	-	-	-
Packers and wrappers, except produce	225	34	14	33	80	31	5	28	-	-	5 394	5 720
Painters, manufactured articles	69	-	-	12	8	20	4	16	9	-	...	...
Precision machine operatives	162	20	13	19	16	61	24	9	-	-	6 213	6 462
Sawyers	-	-	-	-	-	-	-	-	-	-	-	-
Stationary firemen	16	-	8	-	-	-	-	-	8	-	...	...
Textile operatives	187	22	22	30	31	65	7	10	-	-	5 629	6 134
Welders and flamecutters	125	6	15	25	7	27	23	16	6	-	6 352	...
Other metalworking operatives	111	14	10	13	22	34	4	6	8	-	5 841	...
Other specified operatives	724	104	172	60	149	120	55	40	24	-	5 174	5 659
Miscellaneous and not specified operatives	1 202	130	233	172	253	166	116	78	54	-	5 261	5 673
Occupation:												
Machine operatives, miscellaneous specified	555	95	84	80	114	66	42	56	18	-	5 162	5 594
Machine operatives, not specified	414	10	111	70	111	62	19	16	15	-	5 144	5 575
Miscellaneous operatives	172	10	32	13	28	27	35	6	21	-	6 111	6 273
Not specified operatives	61	15	6	9	-	11	20	-	-	-	...	...
Industry:												
Manufacturing	1 105	121	214	158	242	142	109	70	49	-	5 246	5 676
Durable goods	504	52	99	75	105	68	31	35	39	-	5 248	5 609
Wood products, including furniture	35	-	-	5	-	14	10	6	-	-	...	...
Primary metal industries	70	-	26	7	6	11	-	-	-	-	...	...
Fabricated metal industries	72	16	22	7	15	12	-	-	-	-	...	...
Machinery, including electrical	132	15	20	23	27	16	21	-	10	-	5 296	...
Motor vehicles and equipment	-	-	-	-	-	-	-	-	-	-	-	-
Transportation equipment, except motor vehicles	20	-	-	-	20	-	-	-	-	-	...	...
Other durable goods	195	21	31	33	37	15	-	29	29	-	5 338	5 716
Nondurable goods	601	69	115	83	137	74	78	35	10	-	5 245	5 740
Food and kindred products	64	14	33	-	5	-	-	12	-	-	...	...
Apparel and other fabricated textile products	23	-	-	6	8	-	9	-	-	-	...	...
Paper and allied products	184	16	28	27	42	37	22	12	-	-	5 500	5 882
Chemicals and allied products	18	-	12	-	6	-	-	-	-	-	...	...
Other nondurable goods	312	39	42	50	76	37	47	11	10	-	5 329	5 685
Not specified manufacturing industries	-	-	-	-	-	-	-	-	-	-	-	-
Nonmanufacturing industries	97	9	19	14	11	24	7	8	5	-	...	...
Transportation, communications, and other public utilities	6	-	-	-	-	6	-	-	-	-	...	...
Wholesale and retail trade	78	5	15	14	11	18	7	8	-	-	...	...
All other industries	13	4	4	-	-	-	-	-	5	-	...	...
Transport equipment operatives	**358**	**38**	**25**	**58**	**31**	**62**	**44**	**61**	**39**	-	**6 435**	**6 583**
Bus drivers	17	-	-	-	12	-	-	5	-	-	...	...
Taxicab drivers and chauffeurs	77	7	-	12	13	24	-	21	-	-	...	...
Truck drivers and deliverymen	192	28	25	30	6	31	13	27	32	-	6 226	6 479
Other transport equipment operatives	72	3	-	16	-	7	31	8	7	-	...	...
Laborers, except farm	**820**	**193**	**149**	**140**	**100**	**82**	**76**	**64**	**16**	-	**4 486**	**5 392**
Construction laborers	160	-	34	6	35	23	19	36	7	-	6 217	...
Freight, stock, and material handlers	343	103	64	51	33	37	32	14	9	-	4 088	5 615
Other specified laborers	156	59	23	42	6	12	14	-	-	-	3 652	...
Miscellaneous and not specified laborers	161	31	28	41	26	10	11	14	-	-	4 524	...
Occupation:												
Miscellaneous laborers	45	11	-	16	13	5	-	-	-	-	...	...
Not specified laborers	116	20	28	25	13	5	11	14	-	-	4 400	...
Industry:												
Manufacturing	108	13	22	34	20	5	-	14	-	-	4 559	...
Durable goods	51	8	12	6	6	5	-	14	-	-	...	...
Wood products, including furniture	8	-	8	-	-	-	-	-	-	-	...	-
Metal industries	15	8	-	-	-	-	-	7	-	-	...	...
Machinery, including electrical	13	-	-	6	-	-	-	7	-	-	...	...
Transportation equipment	-	-	-	-	-	-	-	-	-	-	-	-
Other durable goods	15	-	4	-	6	5	-	-	-	-	...	...
Nondurable goods	52	5	10	23	14	-	-	-	-	-	...	...
Food and kindred products	12	5	-	-	7	-	-	-	-	-	...	-
Not specified manufacturing industries	5	-	-	5	-	-	-	-	-	-	...	...
Nonmanufacturing industries	53	18	6	7	6	5	11	-	-	-	...	...
Railroads and railway express service	-	-	-	-	-	-	-	-	-	-	-	-
Transportation, except railroads	-	-	-	-	-	-	-	-	-	-	-	-
Communications, and utilities and sanitary services	-	-	-	-	-	-	-	-	-	-	-	-
Wholesale and retail trade	53	18	6	7	6	5	11	-	-	-	...	...
All other industries	-	-	-	-	-	-	-	-	-	-	-	-
Farmers and farm managers	**15**	-	-	**6**	-	-	-	**9**	-	-	...	...
Farm laborers and farm foremen	**329**	**154**	**129**	**18**	**24**	-	-	**4**	-	-	**2 163**	**2 841**
Paid farm laborers and farm foremen	317	142	129	18	24	-	-	4	-	-	2 256	...
Unpaid family workers	12	12	-	-	-	-	-	-	-	-	...	...
Service workers, except private household[1]	**1 322**	**258**	**230**	**178**	**209**	**179**	**61**	**110**	**70**	**27**	**4 972**	**5 867**
Cleaning service workers	360	75	68	52	67	60	20	12	6	-	4 712	5 813
Food service workers	550	156	81	77	63	81	27	36	21	8	4 494	5 679
Cooks, except private household	208	48	19	-	28	55	16	21	13	8	6 164	6 786
Busboys and dishwashers	185	81	31	40	7	6	5	7	8	-	2 742	...
Health service workers	112	13	28	12	-	33	14	4	8	-	6 091	...
Personal service workers	117	-	39	15	33	-	-	11	6	13	5 136	...
Protective service workers	81	-	2	15	14	-	-	33	17	-	...	...
Firemen, fire protection	29	-	-	-	-	-	-	18	11	-	...	...
Guards and watchmen	23	-	2	7	14	-	-	-	-	-	...	...
Policemen and detectives	29	-	-	8	-	-	-	15	6	-	...	...
Private household workers	**5**	-	-	-	-	**5**	-	-	-	-	...	...

[1]Includes allocated cases not shown separately.

Table 175. **Occupation of the Male Experienced Civilian Labor Force by Earnings in 1969 and Race: 1970**—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Males with earnings in 1969										Median earnings (dollars)	
	Total, 16 years old and over	$1 to $1,999 or loss	$2,000 to $3,999	$4,000 to $4,999	$5,000 to $5,999	$6,000 to $6,999	$7,000 to $7,999	$8,000 to $9,999	$10,000 to $14,999	$15,000 or more	All earners	Earners worked 50 to 52 weeks
BOSTON SMSA												
Total												
Experienced civilian labor force	**682 921**	**72 271**	**56 325**	**30 716**	**45 439**	**54 402**	**65 464**	**116 305**	**149 356**	**92 643**	**8 290**	**9 393**
Professional, technical, and kindred workers	**139 717**	**8 874**	**9 544**	**3 744**	**4 949**	**5 751**	**8 192**	**18 152**	**42 930**	**37 581**	**11 241**	**12 468**
Accountants	11 675	506	476	294	361	564	790	2 085	4 112	2 487	10 926	11 686
Architects	1 841	107	95	60	37	43	68	90	608	733	13 458	14 438
Computer specialists	5 027	333	345	114	176	254	281	712	1 925	887	10 775	12 138
Engineers	27 468	538	559	339	571	518	647	2 352	11 518	10 426	13 564	14 042
Aeronautical and astronautical	805	15	19	5	17	10	16	36	279	408	15000+	15000+
Civil	3 965	82	57	84	88	86	144	400	1 715	1 309	13 036	13 577
Electrical and electronic	8 417	170	157	103	196	117	142	583	3 353	3 596	14 087	14 583
Mechanical	3 746	87	53	32	59	84	82	249	1 709	1 391	13 590	14 012
Other engineers	10 535	184	273	115	211	221	263	1 084	4 462	3 722	13 268	13 713
Lawyers and judges	6 162	271	256	135	146	138	193	269	1 315	3 439	15000+	15000+
Life and physical scientists	3 565	110	193	77	85	134	173	324	926	1 543	13 707	14 779
Chemists	1 759	62	78	44	39	76	78	201	593	588	12 542	13 370
Physicians, dentists, and related practitioners	11 292	345	529	243	245	420	576	1 182	1 899	5 853	15000+	15000+
Dentists	1 858	37	59	45	53	35	38	66	240	1 285	15000+	15000+
Pharmacists	1 981	95	109	67	66	79	151	362	744	308	10 413	11 085
Physicians, medical and osteopathic	6 796	193	331	106	116	288	366	669	788	3 939	15000+	15000+
Other related practitioners	657	20	30	25	10	18	21	85	127	321	14 705	15 000
Health technologists and technicians	1 888	244	273	102	137	241	181	209	298	203	6 780	8 534
Religious workers	2 421	506	638	102	107	142	180	265	296	185	4 652	6 293
Social scientists	2 164	85	130	65	71	77	79	187	684	786	12 836	14 257
Social and recreation workers	1 889	234	221	47	92	76	210	359	451	199	8 359	9 534
Teachers	20 946	1 699	2 018	722	675	965	1 324	2 891	6 837	3 815	10 131	11 951
College and university	8 257	774	762	340	236	204	300	641	2 073	2 927	12 102	15 000
Elementary and prekindergarten	3 141	259	396	120	118	202	280	537	1 058	171	8 728	10 023
Secondary	7 995	447	687	176	208	440	626	1 485	3 317	609	9 904	10 708
Engineering and science technicians	13 755	804	1 057	454	826	958	1 621	3 259	4 046	730	8 710	9 453
Draftsmen and surveyors	5 933	299	475	214	374	401	633	1 361	1 879	297	8 838	9 652
Electrical and electronic engineering technicians	3 693	162	238	109	181	258	565	1 015	1 049	116	8 657	9 181
Technicians, except health, and engineering and science	1 839	87	127	39	35	67	172	359	428	525	10 391	11 319
Airplane pilots	471	4	19	–	11	–	25	21	88	303	15000+	15000+
Writers, artists, and entertainers	10 452	1 122	905	294	474	466	632	1 451	3 103	2 005	9 837	11 548
Other professional, technical, and kindred workers	17 333	1 883	1 722	657	911	688	1 065	2 158	4 484	3 765	9 613	11 559
Managers and administrators, except farm	**87 340**	**2 918**	**2 847**	**1 800**	**2 755**	**3 661**	**5 360**	**10 829**	**25 580**	**31 590**	**12 639**	**13 165**
Buyers, purchasing agents, and sales managers	12 902	347	335	175	358	583	832	1 889	3 874	4 509	12 494	12 945
School administrators	2 174	57	31	38	23	42	74	86	739	1 084	14 980	15000+
Specified managers and administrators, public administration	4 479	135	138	66	95	127	261	783	1 772	1 102	11 790	12 162
Other specified managers and administrators	15 768	831	816	579	713	880	1 212	2 232	4 376	4 129	10 710	11 539
Managers and administrators, n.e.c., salaried	44 435	980	1 008	589	985	1 458	2 326	5 029	13 172	18 888	13 736	14 132
Manufacturing	13 178	180	181	97	130	241	339	1 042	3 888	7 080	15000+	15000+
Wholesale and retail trade	12 938	318	334	241	378	645	1 088	1 919	3 554	4 461	12 175	12 482
Transportation, communications, and other public utilities	3 367	69	68	32	66	120	149	444	1 230	1 189	12 990	13 378
All other industries	14 952	413	425	219	411	452	750	1 624	4 500	6 158	13 536	14 072
Managers and administrators, n.e.c., self-employed	7 582	568	519	353	581	571	655	810	1 647	1 878	9 343	10 310
Construction	1 372	81	123	70	129	100	82	127	328	332	9 591	11 459
Manufacturing	797	66	47	41	46	39	51	37	240	230	11 490	12 281
Wholesale and retail trade	3 580	257	214	176	323	318	358	477	742	715	8 604	9 141
All other industries	1 833	164	135	66	83	114	164	169	337	601	10 319	11 648
Sales workers	**53 003**	**6 167**	**3 841**	**1 932**	**2 909**	**3 291**	**4 321**	**7 412**	**12 236**	**10 894**	**9 090**	**10 457**
Insurance agents, brokers, and underwriters	6 039	212	290	209	276	350	446	1 027	1 639	1 590	10 639	11 633
Real estate agents and brokers	2 303	167	227	106	144	68	107	247	501	736	10 853	12 346
Sales representatives, manufacturing industries	7 110	227	217	137	209	293	394	912	2 284	2 437	12 553	13 077
Sales representatives, wholesale trade	10 640	338	337	244	547	607	950	1 813	3 207	2 597	10 755	11 272
Sales clerks, retail trade	12 797	3 515	1 806	739	1 034	989	1 170	1 304	1 498	742	5 327	7 404
Salesmen, retail trade	4 613	431	299	181	312	445	595	843	1 006	501	8 103	9 042
Salesmen of services and construction	2 883	192	192	69	127	124	191	526	866	596	10 118	11 375
Other sales workers	6 618	1 085	473	247	260	415	468	740	1 235	1 695	8 976	10 906
Clerical and kindred workers	**67 687**	**9 778**	**7 469**	**3 686**	**5 684**	**7 226**	**8 508**	**13 991**	**8 947**	**2 398**	**7 000**	**7 960**
Bank tellers and cashiers	3 336	976	766	166	293	265	370	340	139	21	3 807	6 523
Bookkeepers and billing clerks	4 899	532	610	344	513	467	471	985	720	257	6 965	8 040
Mail handlers and postal clerks	11 524	823	688	368	587	1 202	2 168	4 267	1 233	188	7 966	8 324
Other clerical and kindred workers	47 928	7 447	5 405	2 808	4 291	5 292	5 499	8 399	6 855	1 932	6 758	7 890
Craftsmen and kindred workers	**129 489**	**7 612**	**8 011**	**5 146**	**8 652**	**11 589**	**15 886**	**29 908**	**35 588**	**7 097**	**8 525**	**9 135**
Apparel craftsmen and upholsterers	1 833	187	120	102	244	301	235	327	283	34	6 875	7 409
Bakers	1 443	81	125	106	192	246	264	227	146	56	6 884	7 382
Cabinetmakers	760	86	70	43	59	78	135	191	80	18	7 326	7 696
Construction craftsmen	36 874	2 279	2 555	1 945	2 743	3 186	4 481	7 952	9 764	1 969	8 314	9 205
Carpenters	11 350	774	863	617	868	1 023	1 431	2 547	2 902	325	8 078	9 033
Excavating, grading, and road machine operators	2 039	65	74	78	140	158	289	497	593	145	8 867	9 158
Electricians	5 850	300	294	233	330	366	603	1 152	1 977	595	9 387	9 978
Masons and tile setters	2 632	88	145	91	185	274	367	672	705	105	8 494	9 087
Painters, construction and maintenance, and paperhangers	5 567	552	628	441	593	626	765	1 077	714	171	6 910	7 869
Plasterers and cement finishers	1 117	72	79	89	60	122	179	253	220	43	7 763	8 701
Plumbers and pipe fitters	5 795	245	295	278	337	441	570	1 329	1 885	415	9 101	9 558
Other construction craftsmen	2 524	183	177	118	230	176	277	425	768	170	8 475	10 345
Foremen, n.e.c	16 823	461	287	193	471	733	1 443	3 939	7 417	1 879	10 596	10 886
Manufacturing	8 927	189	123	72	190	278	735	2 111	4 286	943	10 893	11 091
Nonmanufacturing industries	7 896	272	164	121	281	455	708	1 828	3 131	936	10 190	10 597
Linemen and servicemen, telephone and power	5 826	254	349	177	286	410	466	1 032	2 284	568	9 882	10 656
Locomotive engineers and firemen	343	17	8	–	30	4	26	48	191	19	11 008	11 583
Mechanics and repairmen	25 473	1 671	1 716	1 114	1 911	2 546	3 511	6 222	5 887	895	8 086	8 627
Air conditioning, heating, and refrigeration	1 871	53	54	44	75	151	238	511	626	119	9 254	9 674
Aircraft	1 034	35	31	52	38	74	86	198	487	33	10 031	10 929
Automobile, including body	9 962	883	977	558	971	1 136	1 365	1 944	1 785	343	7 334	7 893
Radio and television	1 640	94	109	75	134	139	250	484	292	63	8 079	8 509
Other mechanics and repairmen	10 966	606	545	385	693	1 046	1 572	3 085	2 697	337	8 412	8 837
Metal craftsmen, except mechanics	14 920	614	711	493	925	1 613	2 205	4 389	3 626	344	8 410	8 810
Machinists and job and die setters	8 000	306	360	282	513	903	1 263	2 486	1 777	110	8 300	8 677
Sheetmetal workers and tinsmiths	2 709	113	167	97	180	314	331	641	753	113	8 476	9 110
Tool and die makers	1 738	62	63	45	113	183	208	543	490	31	8 718	9 099
Other metal craftsmen	2 473	133	121	69	119	213	403	719	606	90	8 497	8 806
Printing craftsmen	6 423	338	466	167	396	470	861	1 599	1 846	280	8 642	9 138
Compositors and typesetters	2 546	141	195	76	199	168	303	670	734	60	8 570	9 070
Pressmen and plate printers, printing	2 841	153	228	91	177	231	409	699	696	157	8 376	8 843
Stationary engineers and power station operators	2 091	64	29	34	59	97	169	627	812	200	9 893	10 090
Other craftsmen and kindred workers	16 680	1 560	1 575	772	1 336	1 905	2 090	3 355	3 252	835	7 570	8 241

Table 175. Occupation of the Male Experienced Civilian Labor Force by Earnings in 1969 and Race: 1970 — Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Males with earnings in 1969										Median earnings (dollars)	
	Total, 16 years old and over	$1 to $1,999 or loss	$2,000 to $3,999	$4,000 to $4,999	$5,000 to $5,999	$6,000 to $6,999	$7,000 to $7,999	$8,000 to $9,999	$10,000 to $14,999	$15,000 or more	All earners	Earners worked 50 to 52 weeks
BOSTON SMSA — Continued												
Total — Continued												
Experienced civilian labor force — Continued												
Operatives, except transport	**63 277**	**8 017**	**6 494**	**4 342**	**6 650**	**8 240**	**9 017**	**12 486**	**7 237**	**794**	**6 745**	**7 534**
Assemblers	4 673	488	425	279	527	773	800	1 012	349	20	6 799	7 373
Checkers, examiners, and inspectors; manufacturing	3 824	168	254	237	309	456	669	998	671	62	7 729	8 321
Garage workers and gas station attendants	3 309	1 675	755	209	183	186	93	112	81	15	1 976	4 890
Laundry and drycleaning operatives, n.e.c	1 177	230	227	130	136	110	140	117	56	31	5 011	5 970
Meat cutters and butchers	3 356	241	232	136	297	351	618	1 022	418	41	7 681	8 125
Mine operatives, n.e.c	96	–	5	18	8	5	–	25	35	–	...	...
Packers and wrappers, except produce	3 207	812	449	335	399	427	330	354	101	–	5 019	6 395
Painters, manufactured articles	677	32	38	51	72	122	117	146	81	18	7 201	7 500
Precision machine operatives	3 612	261	233	132	262	476	601	960	656	31	7 735	8 153
Sawyers	184	10	16	21	31	20	40	31	12	3	6 700	7 000
Stationary firemen	1 172	28	16	20	112	140	218	322	290	26	8 323	8 635
Textile operatives	703	119	95	39	83	103	92	108	59	5	6 150	6 977
Welders and flamecutters	4 069	181	227	187	311	498	786	1 029	741	109	7 802	8 212
Other metalworking operatives	2 344	213	188	157	278	429	369	434	255	21	6 783	7 313
Other specified operatives	12 340	1 422	1 490	1 087	1 491	1 658	1 546	2 145	1 294	207	6 410	7 193
Miscellaneous and not specified operatives	18 534	2 137	1 844	1 304	2 151	2 486	2 598	3 671	2 138	205	6 737	7 506
Occupation:												
Machine operatives, miscellaneous specified	6 996	615	648	580	870	854	1 040	1 526	824	39	6 919	7 534
Machine operatives, not specified	4 555	390	424	326	531	717	660	952	494	61	6 846	7 400
Miscellaneous operatives	4 802	844	579	290	482	582	638	749	577	61	6 354	7 546
Not specified operatives	2 181	288	193	108	268	333	260	444	243	44	6 701	7 529
Industry:												
Manufacturing	14 989	1 463	1 446	1 084	1 811	2 148	2 174	3 023	1 700	140	6 787	7 474
Durable goods	7 501	721	746	525	810	1 067	1 048	1 581	945	58	6 889	7 586
Wood products, including furniture	397	55	34	24	27	79	47	83	43	5	6 741	7 220
Primary metal industries	324	23	19	31	51	33	59	88	20	–	7 085	7 483
Fabricated metal industries	991	133	157	71	80	116	134	175	108	17	6 470	7 478
Machinery, including electrical	3 184	297	271	250	375	425	476	689	386	15	6 939	7 519
Motor vehicles and equipment	78	13	4	–	11	10	9	16	15	–	...	...
Transportation equipment, except motor vehicles	876	62	83	33	54	169	134	218	112	11	7 276	7 909
Other durable goods	1 651	138	178	116	212	235	189	312	261	10	6 772	7 788
Nondurable goods	7 376	727	688	550	1 001	1 044	1 117	1 421	751	77	6 692	7 389
Food and kindred products	1 585	151	127	119	197	187	229	382	178	15	7 050	7 623
Apparel and other fabricated textile products	255	43	42	18	54	33	35	12	18	–	5 454	5 778
Paper and allied products	1 129	74	112	62	170	185	173	251	82	20	6 792	7 207
Chemicals and allied products	835	67	20	30	55	140	161	226	131	5	7 655	7 957
Other nondurable goods	3 572	392	387	321	525	499	519	550	342	37	6 323	7 255
Not specified manufacturing industries	112	15	12	9	–	37	9	21	4	5	6 541	...
Nonmanufacturing industries	3 545	674	398	220	340	338	424	648	438	65	6 416	7 655
Transportation, communications, and other public utilities	748	47	54	35	35	54	118	206	194	5	8 301	8 891
Wholesale and retail trade	1 321	355	134	86	142	113	134	225	116	16	5 602	7 252
All other industries	1 476	272	210	99	163	171	172	217	128	44	5 963	7 201
Transport equipment operatives	**32 681**	**3 051**	**3 120**	**1 870**	**2 863**	**3 733**	**4 183**	**7 315**	**5 946**	**600**	**7 407**	**8 230**
Bus drivers	2 476	159	114	48	66	112	230	1 000	726	21	9 018	9 370
Taxicab drivers and chauffeurs	4 012	792	941	454	530	444	291	348	167	45	4 601	5 906
Truck drivers and deliverymen	21 351	1 520	1 611	1 092	1 772	2 479	3 018	4 988	4 429	442	7 729	8 413
Other transport equipment operatives	4 842	580	454	276	495	698	644	979	624	92	6 883	7 626
Laborers, except farm	**35 834**	**9 859**	**5 385**	**2 621**	**3 528**	**3 978**	**3 891**	**4 158**	**2 132**	**282**	**5 015**	**6 789**
Construction laborers	7 580	1 025	1 083	612	923	941	977	1 363	558	98	6 156	7 542
Freight, stock, and material handlers	15 800	5 642	2 271	915	1 322	1 527	1 525	1 662	856	80	3 989	6 691
Other specified laborers	7 881	2 073	1 380	713	799	894	817	676	455	74	4 684	6 368
Miscellaneous and not specified laborers	4 573	1 119	651	381	484	616	572	457	263	30	5 280	6 827
Occupation:												
Miscellaneous laborers	1 462	199	208	138	165	230	243	166	102	11	6 091	7 096
Not specified laborers	3 111	920	443	243	319	386	329	291	161	19	4 792	6 675
Industry:												
Manufacturing	1 498	326	262	142	172	199	168	158	66	5	5 110	6 456
Durable goods	791	157	151	73	74	105	112	75	44	–	5 196	6 559
Wood products, including furniture	21	–	6	5	–	6	–	–	4	–	...	...
Metal industries	191	50	15	30	11	19	39	21	6	–	5 045	...
Machinery, including electrical	243	51	65	27	24	31	15	15	15	–	4 204	5 700
Transportation equipment	151	18	24	5	28	28	32	7	9	–	6 018	...
Other durable goods	185	38	41	6	11	21	26	32	10	–	5 682	...
Nondurable goods	696	165	111	69	94	91	56	83	22	5	5 032	6 361
Food and kindred products	157	31	27	9	22	8	17	34	4	5	5 523	6 000
Not specified manufacturing industries	11	4	–	–	4	3	–	–	–	–	...	...
Nonmanufacturing industries	3 075	793	389	239	312	417	404	299	197	25	5 373	7 004
Railroads and railway express service	130	5	6	5	19	17	27	24	22	5	7 481	7 935
Transportation, except railroads	197	25	19	–	10	16	26	63	34	4	8 079	8 167
Communications, and utilities and sanitary services	565	53	92	42	66	93	99	95	25	–	6 317	7 074
Wholesale and retail trade	817	297	129	87	49	74	77	45	48	11	3 729	6 816
All other industries	1 366	413	143	105	168	217	175	72	68	5	5 131	6 774
Farmers and farm managers	**802**	**183**	**116**	**63**	**40**	**34**	**37**	**88**	**120**	**121**	**5 975**	**6 722**
Farm laborers and farm foremen	**1 202**	**405**	**198**	**108**	**166**	**102**	**53**	**83**	**75**	**12**	**3 980**	**5 588**
Paid farm laborers and farm foremen	1 175	382	198	104	166	102	53	83	75	12	4 072	5 601
Unpaid family workers	27	23	–	4	–	–	–	–	–	–	...	...
Service workers, except private household[1]	**71 395**	**15 179**	**9 156**	**5 372**	**7 212**	**6 787**	**5 999**	**11 871**	**8 554**	**1 265**	**5 831**	**7 339**
Cleaning service workers	20 145	4 019	2 780	1 846	2 918	2 950	2 213	2 172	1 098	149	5 489	6 350
Food service workers	17 505	6 729	3 336	1 400	1 648	1 360	1 070	1 172	652	138	3 213	5 700
Cooks, except private household	6 071	1 397	1 081	561	568	731	542	695	425	71	4 994	6 516
Busboys and dishwashers	3 374	2 349	664	140	93	62	10	29	27	–	1 436	3 264
Health service workers	2 257	452	444	191	378	301	214	153	97	27	5 110	5 951
Personal service workers	6 027	1 199	903	718	878	599	449	581	477	223	5 220	6 173
Protective service workers	19 952	1 311	917	621	855	1 177	1 531	7 074	5 780	686	9 008	9 319
Firemen, fire protection	6 280	113	58	28	72	123	410	2 719	2 467	290	9 718	9 765
Guards and watchmen	5 120	830	707	473	654	668	519	754	465	50	5 841	6 800
Policemen and detectives	7 727	202	111	111	115	311	569	3 356	2 667	285	9 457	9 545
Private household workers	**494**	**228**	**144**	**32**	**31**	**10**	**17**	**12**	**11**	**9**	**2 264**	**3 486**

[1] Includes allocated cases not shown separately.

Table 175. **Occupation of the Male Experienced Civilian Labor Force by Earnings in 1969 and Race: 1970**—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Males with earnings in 1969										Median earnings (dollars)	
	Total, 16 years old and over	$1 to $1,999 or loss	$2,000 to $3,999	$4,000 to $4,999	$5,000 to $5,999	$6,000 to $6,999	$7,000 to $7,999	$8,000 to $9,999	$10,000 to $14,999	$15,000 or more	All earners	Earners worked 50 to 52 weeks
BOSTON SMSA—Continued												
Negro												
Experienced civilian labor force	23 117	2 857	3 170	2 411	3 285	3 197	2 528	3 082	2 075	512	5 950	6 650
Professional, technical, and kindred workers	2 638	219	246	133	293	247	299	462	505	234	7 605	8 466
Accountants	136	11	21	9	11	5	18	20	35	6	7 611	...
Architects	15	-	-	-	5	-	-	-	10	-	...	...
Computer specialists	93	8	10	5	-	5	16	33	16	-	...	...
Engineers	278	5	6	-	9	19	16	48	107	68	11 682	12 043
Aeronautical and astronautical	17	-	6	-	-	-	-	-	6	5	...	...
Civil	17	-	-	-	-	-	-	-	4	13	...	...
Electrical and electronic	98	-	-	-	3	13	5	21	22	34	...	...
Mechanical	54	5	-	-	6	-	6	4	27	6	...	...
Other engineers	92	-	-	-	-	6	5	23	48	10	...	...
Lawyers and judges	37	5	-	-	-	-	-	-	-	32	...	...
Life and physical scientists	52	4	-	-	5	11	6	13	7	6	...	...
Chemists	31	4	-	-	-	6	-	8	7	6	...	...
Physicians, dentists, and related practitioners	53	-	6	-	-	9	3	11	11	13	...	...
Dentists	6	-	-	-	-	-	-	-	-	6	...	-
Pharmacists	5	-	-	-	-	-	-	5	-	-	...	...
Physicians, medical and osteopathic	42	-	6	-	-	9	3	6	11	7	...	...
Other related practitioners	-	-	-	-	-	-	-	-	-	-	-	-
Health technologists and technicians	121	6	4	-	15	67	4	14	11	-	6 530	...
Religious workers	51	4	16	3	18	-	4	6	-	-	...	...
Social scientists	60	-	10	14	6	-	-	5	25	-	...	...
Social and recreation workers	136	21	22	4	13	15	18	20	17	6	6 533	...
Teachers	300	44	15	12	27	7	35	45	86	29	8 444	9 935
College and university	152	30	4	7	11	7	14	7	47	25	8 857	...
Elementary and prekindergarten	64	7	11	-	6	-	8	21	11	-	...	...
Secondary	29	7	-	-	-	-	-	9	13	-	...	...
Engineering and science technicians	471	22	36	23	91	17	95	120	48	19	7 489	7 933
Draftsmen and surveyors	191	-	28	11	59	-	20	39	20	14	5 958	8 051
Electrical and electronic engineering technicians	132	8	8	6	6	5	42	48	9	-	7 786	7 833
Technicians, except health, and engineering and science	52	-	10	-	-	-	10	16	10	6	...	...
Airplane pilots	4	-	4	-	-	-	-	-	-	-	...	-
Writers, artists, and entertainers	276	24	29	26	51	16	21	32	56	21	6 500	8 095
Other professional, technical, and kindred workers	507	65	61	37	42	76	53	79	66	28	6 638	7 488
Managers and administrators, except farm	1 148	78	71	59	100	108	162	168	279	123	7 975	8 689
Buyers, purchasing agents, and sales managers	111	-	13	6	17	14	24	16	11	10	7 229	...
School administrators	39	5	-	-	-	10	-	-	11	13	...	...
Specified managers and administrators, public administration	137	8	12	-	19	6	14	16	44	18	9 188	10 568
Other specified managers and administrators	315	21	26	22	18	23	50	53	80	22	7 950	8 736
Managers and administrators, n.e.c., salaried	430	22	10	21	42	37	64	78	108	48	8 487	8 853
Manufacturing	84	6	5	-	-	-	13	26	19	15	...	...
Wholesale and retail trade	144	10	5	5	5	16	42	23	27	11	7 738	7 878
Transportation, communications, and other public utilities	13	-	-	-	4	5	-	4	-	-	...	...
All other industries	189	6	-	16	33	16	9	25	62	22	9 160	10 088
Managers and administrators, n.e.c., self-employed	116	22	10	10	4	18	10	5	25	12	6 667	...
Construction	32	5	6	6	-	-	10	-	5	-	...	...
Manufacturing	6	6	-	-	-	-	-	-	-	-	...	...
Wholesale and retail trade	47	7	4	4	-	11	-	5	16	-	...	...
All other industries	31	4	-	-	4	7	-	-	4	12	...	...
Sales workers	721	115	66	83	70	94	48	120	86	39	6 282	6 940
Insurance agents, brokers, and underwriters	139	16	-	12	12	31	10	28	30	-	6 952	7 500
Real estate agents and brokers	53	-	-	11	5	11	-	3	-	23	...	...
Sales representatives, manufacturing industries	64	13	12	-	4	17	-	7	-	11	...	...
Sales representatives, wholesale trade	54	10	6	4	5	-	-	20	4	5	...	...
Sales clerks, retail trade	226	52	32	38	31	11	17	30	15	-	4 763	5 639
Salesmen, retail trade	85	14	5	-	4	18	14	21	9	-	...	...
Salesmen of services and construction	15	-	-	-	4	-	-	5	6	-	...	...
Other sales workers	85	10	11	18	5	6	7	6	22	-	...	...
Clerical and kindred workers	2 425	442	325	177	359	338	181	420	170	13	5 748	6 563
Bank tellers and cashiers	125	37	27	7	10	8	24	12	-	-	3 889	...
Bookkeepers and billing clerks	125	39	10	16	18	4	-	24	14	-	4 844	...
Mail handlers and postal clerks	492	35	52	22	58	40	44	189	52	-	7 886	8 453
Other clerical and kindred workers	1 683	331	236	132	273	286	113	195	104	13	5 522	6 161
Craftsmen and kindred workers	4 049	356	511	349	563	711	531	581	402	45	6 345	6 849
Apparel craftsmen and upholsterers	54	-	-	20	14	6	-	5	9	-	...	...
Bakers	120	6	22	41	13	9	6	23	-	-	4 780	...
Cabinetmakers	8	4	-	-	-	-	4	-	-	-	...	...
Construction craftsmen	1 084	119	125	104	140	143	163	165	105	20	6 378	7 257
Carpenters	353	44	57	20	32	47	55	56	42	-	6 500	7 833
Excavating, grading, and road machine operators	2	-	-	-	-	-	-	2	-	-	...	-
Electricians	126	15	11	6	14	15	28	24	13	-	7 071	...
Masons and tile setters	83	5	-	5	-	18	26	11	7	11	...	...
Painters, construction and maintenance, and paperhangers	256	29	36	41	33	33	36	31	12	5	5 667	7 182
Plasterers and cement finishers	67	5	11	-	19	12	7	-	13	-	...	...
Plumbers and pipe fitters	127	12	10	19	28	9	11	20	14	4	5 804	...
Other construction craftsmen	70	9	-	13	14	9	-	21	4	-	...	...
Foremen, n.e.c.	359	16	9	-	46	48	75	82	79	4	7 807	7 862
Manufacturing	203	5	-	-	17	24	56	40	61	-	7 991	7 930
Nonmanufacturing industries	156	11	9	-	29	24	19	42	18	4	7 263	7 684
Linemen and servicemen, telephone and power	130	22	11	14	8	30	23	14	8	-	6 333	...
Locomotive engineers and firemen	-	-	-	-	-	-	-	-	-	-	-	-
Mechanics and repairmen	897	64	110	47	138	206	127	134	65	6	6 434	6 779
Air conditioning, heating, and refrigeration	42	-	-	-	6	23	4	9	-	-	...	...
Aircraft	28	-	5	-	5	-	-	11	7	-	...	...
Automobile, including body	487	27	78	35	79	116	68	50	34	-	6 211	6 679
Radio and television	38	5	-	-	15	-	12	6	-	-	...	...
Other mechanics and repairmen	302	32	27	12	33	67	43	58	24	6	6 701	6 776
Metal craftsmen, except mechanics	326	22	23	26	39	65	53	71	27	-	6 815	7 340
Machinists and job and die setters	165	5	4	17	18	39	21	56	5	-	6 987	7 810
Sheetmetal workers and tinsmiths	30	-	7	5	-	6	5	7	-	-	...	...
Tool and die makers	54	5	-	-	12	6	5	8	18	-	...	...
Other metal craftsmen	77	12	12	4	9	14	22	-	4	-	...	...
Printing craftsmen	270	25	54	13	41	42	34	32	29	-	6 048	6 000
Compositors and typesetters	102	-	28	3	16	10	18	13	14	-	6 400	...
Pressmen and plate printers, printing	152	25	26	10	25	25	11	19	11	-	5 600	...
Stationary engineers and power station operators	56	-	-	6	4	8	8	6	24	-	...	...
Other craftsmen and kindred workers	745	78	157	78	120	154	38	49	56	15	5 496	5 924

Table 175. **Occupation of the Male Experienced Civilian Labor Force by Earnings in 1969 and Race: 1970**—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Males with earnings in 1969										Median earnings (dollars)	
	Total, 16 years old and over	$1 to $1,999 or loss	$2,000 to $3,999	$4,000 to $4,999	$5,000 to $5,999	$6,000 to $6,999	$7,000 to $7,999	$8,000 to $9,999	$10,000 to $14,999	$15,000 or more	All earners	Earners worked 50 to 52 weeks
BOSTON SMSA—Continued												
Negro—Continued												
Experienced civilian labor force—Continued												
Operatives, except transport	**4 209**	**399**	**543**	**535**	**675**	**617**	**585**	**559**	**286**	**10**	**5 930**	**6 466**
Assemblers	264	11	40	21	49	44	41	51	7	-	6 250	6 857
Checkers, examiners, and inspectors; manufacturing	127	10	7	-	15	22	34	27	12	-	7 279	...
Garage workers and gas station attendants	109	14	33	20	17	-	7	12	6	-	4 375	...
Laundry and drycleaning operatives, n.e.c	128	18	16	35	20	28	9	-	2	-	4 857	...
Meat cutters and butchers	195	9	-	-	21	47	45	49	19	5	7 456	7 629
Mine operatives, n.e.c	4	-	-	4	-	-	-	-	-	-	...	-
Packers and wrappers, except produce	202	37	31	28	31	43	19	13	-	-	5 161	6 273
Painters, manufactured articles	85	3	-	13	18	14	11	20	6	-	...	...
Precision machine operatives	40	4	12	4	-	4	-	5	11	-	...	...
Sawyers	4	-	-	-	4	-	-	-	-	-	...	...
Stationary firemen	56	6	-	4	9	4	6	11	16	-	...	...
Textile operatives	81	17	33	6	15	10	-	-	-	-	...	...
Welders and flamecutters	418	32	46	30	53	53	79	74	46	5	6 906	7 309
Other metalworking operatives	151	10	6	19	26	27	40	6	17	-	6 537	6 912
Other specified operatives	959	127	190	155	158	108	70	103	48	-	5 047	5 377
Miscellaneous and not specified operatives	1 386	101	129	196	239	213	224	188	96	-	6 131	6 630
Occupation:												
Machine operatives, miscellaneous specified	656	36	87	115	96	90	98	84	50	-	5 938	6 506
Machine operatives, not specified	388	39	21	32	64	80	49	89	14	-	6 475	6 786
Miscellaneous operatives	275	12	21	49	63	29	62	11	28	-	5 881	6 500
Not specified operatives	67	14	-	-	16	14	15	4	4	-	...	...
Industry:												
Manufacturing	1 094	84	103	124	196	166	201	158	62	-	6 241	6 715
Durable goods	488	33	47	71	61	80	93	72	31	-	6 400	6 993
Wood products, including furniture	13	6	7	-	-	-	-	-	-	-	...	-
Primary metal industries	47	-	-	15	5	7	20	-	-	-	...	...
Fabricated metal industries	91	8	17	6	13	3	19	15	10	-	...	...
Machinery, including electrical	170	10	15	23	21	30	34	31	6	-	6 533	6 867
Motor vehicles and equipment	11	-	-	-	11	-	-	-	-	-	...	...
Transportation equipment, except motor vehicles	68	-	8	12	-	18	8	11	11	-	...	...
Other durable goods	88	9	-	15	11	22	12	15	4	-	...	...
Nondurable goods	601	51	51	53	135	86	108	86	31	-	6 122	6 412
Food and kindred products	201	14	-	26	38	32	27	50	14	-	6 703	6 708
Apparel and other fabricated textile products	12	-	-	-	-	12	-	-	-	-	...	...
Paper and allied products	113	5	31	4	22	25	11	11	4	-	5 750	...
Chemicals and allied products	62	-	-	-	23	8	19	7	5	-	...	...
Other nondurable goods	213	32	20	23	52	9	51	18	8	-	5 606	5 989
Not specified manufacturing industries	5	-	5	-	-	-	-	-	-	-	...	-
Nonmanufacturing industries	292	17	26	72	43	47	23	30	34	-	5 721	6 345
Transportation, communications, and other public utilities	51	5	9	-	5	11	-	-	21	-	...	...
Wholesale and retail trade	90	5	4	20	12	16	10	14	9	-	...	...
All other industries	151	7	13	52	26	20	13	16	4	-	5 135	5 676
Transport equipment operatives	**1 480**	**66**	**212**	**152**	**255**	**236**	**141**	**289**	**122**	**7**	**6 233**	**6 813**
Bus drivers	107	-	13	-	5	13	17	43	16	-	8 256	...
Taxicab drivers and chauffeurs	366	41	93	52	84	31	18	43	4	-	4 942	5 663
Truck drivers and deliverymen	705	10	56	61	98	150	79	150	94	7	6 850	7 226
Other transport equipment operatives	302	15	50	39	68	42	27	53	8	-	5 691	6 100
Laborers, except farm	**1 989**	**388**	**413**	**257**	**212**	**294**	**173**	**180**	**67**	**5**	**4 753**	**6 108**
Construction laborers	521	47	93	45	59	80	67	84	41	5	6 206	7 205
Freight, stock, and material handlers	654	155	91	80	97	127	43	54	7	-	5 010	6 058
Other specified laborers	520	112	164	81	34	52	45	27	5	-	3 805	5 054
Miscellaneous and not specified laborers	294	74	65	51	22	35	18	15	14	-	4 157	5 000
Occupation:												
Miscellaneous laborers	75	14	18	4	-	21	8	6	4	-	...	...
Not specified laborers	219	60	47	47	22	14	10	9	10	-	4 053	...
Industry:												
Manufacturing	129	24	42	34	10	6	8	5	-	-	3 929	...
Durable goods	85	13	30	19	4	6	8	5	-	-	...	...
Wood products, including furniture	6	-	6	-	-	-	-	-	-	-	...	-
Metal industries	19	-	-	13	-	6	-	-	-	-	...	-
Machinery, including electrical	31	-	24	-	4	-	3	-	-	-	...	-
Transportation equipment	10	-	-	-	-	-	5	5	-	-	...	...
Other durable goods	19	13	-	6	-	-	-	-	-	-	...	...
Nondurable goods	44	11	12	15	6	-	-	-	-	-	...	...
Food and kindred products	26	11	-	9	6	-	-	-	-	-	...	...
Not specified manufacturing industries	-	-	-	-	-	-	-	-	-	-	-	-
Nonmanufacturing industries	165	50	23	17	12	29	10	10	14	-	4 559	...
Railroads and railway express service	6	-	-	-	-	-	-	6	-	-	...	...
Transportation, except railroads	14	-	-	-	5	-	-	4	5	-	...	...
Communications, and utilities and sanitary services	34	6	13	-	-	15	-	-	-	-	...	...
Wholesale and retail trade	26	5	-	10	-	-	7	-	4	-	...	...
All other industries	85	39	10	7	7	14	3	-	5	-	...	...
Farmers and farm managers	**35**	**5**	**18**	-	-	-	**7**	**5**	-	-	...	...
Farm laborers and farm foremen	**58**	**29**	**6**	-	**4**	**7**	**6**	**6**	-	-	...	...
Paid farm laborers and farm foremen	48	19	6	-	4	7	6	6	-	-	...	...
Unpaid family workers	10	10	-	-	-	-	-	-	-	-	...	-
Service workers, except private household[1]	**4 297**	**735**	**741**	**648**	**747**	**545**	**395**	**292**	**158**	**36**	**5 033**	**5 589**
Cleaning service workers	1 673	176	337	281	342	210	196	70	53	8	5 124	5 519
Food service workers	857	191	140	107	132	127	62	80	10	8	4 911	5 492
Cooks, except private household	414	40	46	37	65	93	40	80	5	8	6 204	6 359
Busboys and dishwashers	147	72	37	10	15	8	-	-	5	-	2 081	...
Health service workers	299	29	37	29	69	48	43	30	14	-	5 790	6 427
Personal service workers	337	43	71	37	87	38	16	5	20	20	5 201	5 452
Protective service workers	355	33	36	23	66	69	22	75	31	-	6 283	6 600
Firemen, fire protection	9	-	-	-	-	-	-	6	3	-	...	...
Guards and watchmen	247	28	36	23	61	54	12	27	6	-	5 598	5 770
Policemen and detectives	94	5	-	-	5	15	10	37	22	-	...	...
Private household workers	**68**	**25**	**18**	**18**	**7**	-	-	-	-	-	...	...

[1]Includes allocated cases not shown separately.

Table 175. **Occupation of the Male Experienced Civilian Labor Force by Earnings in 1969 and Race: 1970**—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Males with earnings in 1969										Median earnings (dollars)	
	Total, 16 years old and over	$1 to $1,999 or loss	$2,000 to $3,999	$4,000 to $4,999	$5,000 to $5,999	$6,000 to $6,999	$7,000 to $7,999	$8,000 to $9,999	$10,000 to $14,999	$15,000 or more	All earners	Earners worked 50 to 52 weeks
BOSTON SMSA—Continued												
Persons of Spanish Language												
Experienced civilian labor force	**7 689**	**841**	**1 020**	**765**	**806**	**820**	**787**	**1 061**	**949**	**640**	**6 503**	**7 490**
Professional, technical, and kindred workers	**1 553**	**106**	**128**	**73**	**58**	**73**	**164**	**329**	**338**	**284**	**9 061**	**9 690**
Accountants	115	14	-	-	4	-	47	32	11	7	7 840	...
Architects	16	-	5	-	-	-	-	-	-	11	...	...
Computer specialists	49	7	7	-	-	-	7	16	6	6	...	...
Engineers	241	-	8	-	-	18	5	24	72	114	14 549	15000+
Aeronautical and astronautical	10	-	-	-	-	-	-	-	-	10	...	...
Civil	56	-	8	-	-	-	-	-	25	23	...	...
Electrical and electronic	85	-	-	-	-	18	5	16	28	18	...	...
Mechanical	16	-	-	-	-	-	-	-	-	16	...	...
Other engineers	74	-	-	-	-	-	-	8	19	47	...	...
Lawyers and judges	-	-	-	-	-	-	-	-	-	-	-	-
Life and physical scientists	45	-	-	-	-	-	-	7	13	25	...	...
Chemists	28	-	-	-	-	-	-	7	13	8	...	...
Physicians, dentists, and related practitioners	165	8	-	-	-	12	29	44	56	16	9 523	9 605
Dentists	8	8	-	-	-	-	-	-	-	-	...	-
Pharmacists	-	-	-	-	-	-	-	-	-	-	-	-
Physicians, medical and osteopathic	157	-	-	-	-	12	29	44	56	16	9 705	9 605
Other related practitioners	-	-	-	-	-	-	-	-	-	-	-	-
Health technologists and technicians	22	-	-	7	-	-	-	-	7	8	...	...
Religious workers	26	-	5	-	5	7	-	-	9	-	...	...
Social scientists	51	-	7	-	-	-	-	-	31	13	...	...
Social and recreation workers	24	-	-	3	-	-	15	-	6	-	...	...
Teachers	237	10	16	-	7	-	-	88	58	58	9 943	12 500
College and university	110	-	-	-	-	-	-	31	21	58	15000+	...
Elementary and prekindergarten	61	10	-	-	-	-	-	30	21	-	...	...
Secondary	50	-	7	-	-	-	-	27	16	-	...	...
Engineering and science technicians	207	26	8	23	26	14	22	56	32	-	7 295	8 429
Draftsmen and surveyors	110	19	-	15	19	9	6	32	10	-	6 222	...
Electrical and electronic engineering technicians	56	7	-	-	-	5	16	17	11	-	...	...
Technicians, except health, and engineering and science	40	7	-	-	-	-	6	21	-	6	...	...
Airplane pilots	6	-	-	-	-	-	-	-	-	6	...	...
Writers, artists, and entertainers	117	13	31	20	16	11	9	5	12	-	4 725	...
Other professional, technical, and kindred workers	198	21	41	20	-	11	24	36	25	20	7 250	8 036
Managers and administrators, except farm	**726**	**-**	**45**	**26**	**9**	**57**	**45**	**120**	**206**	**218**	**11 481**	**12 122**
Buyers, purchasing agents, and sales managers	48	-	-	-	-	-	-	-	43	5	...	...
School administrators	18	-	4	-	-	-	-	8	-	6	...	...
Specified managers and administrators, public administration	46	-	7	-	-	-	-	-	26	13	...	...
Other specified managers and administrators	190	-	24	8	-	25	13	33	53	34	9 515	9 879
Managers and administrators, n.e.c., salaried	331	-	-	18	9	-	11	79	77	137	13 149	13 589
Manufacturing	112	-	-	-	9	-	-	17	37	49	14 054	14 662
Wholesale and retail trade	61	-	-	13	-	-	7	14	15	12	...	...
Transportation, communications, and other public utilities	-	-	-	-	-	-	-	-	-	-	-	-
All other industries	158	-	-	5	-	-	4	48	25	76	14 400	14 861
Managers and administrators, n.e.c., self-employed	93	-	10	-	-	32	21	-	7	23	...	...
Construction	8	-	-	-	-	-	-	-	-	8	...	...
Manufacturing	-	-	-	-	-	-	-	-	-	-	-	-
Wholesale and retail trade	63	-	10	-	-	25	15	-	7	6	...	...
All other industries	22	-	-	-	-	7	6	-	-	9	...	...
Sales workers	**345**	**30**	**40**	**22**	**20**	**31**	**36**	**36**	**70**	**60**	**7 819**	**9 111**
Insurance agents, brokers, and underwriters	53	-	-	7	8	15	13	10	-	-	...	...
Real estate agents and brokers	14	-	-	-	-	-	-	6	-	8	...	...
Sales representatives, manufacturing industries	48	-	-	-	-	-	7	7	28	6	...	...
Sales representatives, wholesale trade	35	-	9	-	-	8	-	-	18	-	...	...
Sales clerks, retail trade	92	30	24	-	-	8	-	6	-	24	...	...
Salesmen, retail trade	30	-	7	-	6	-	-	-	17	-	...	...
Salesmen of services and construction	20	-	-	-	6	-	7	7	-	-	...	...
Other sales workers	53	-	-	15	-	-	9	-	7	22	...	...
Clerical and kindred workers	**678**	**101**	**106**	**53**	**70**	**54**	**111**	**103**	**63**	**17**	**6 167**	**7 640**
Bank tellers and cashiers	44	6	14	-	7	-	17	-	-	-	...	...
Bookkeepers and billing clerks	114	27	8	17	24	-	12	14	6	6	5 208	...
Mail handlers and postal clerks	84	20	-	18	14	5	13	7	7	-	...	...
Other clerical and kindred workers	436	48	84	18	25	49	69	82	50	11	6 878	8 176
Craftsmen and kindred workers	**1 247**	**79**	**146**	**117**	**137**	**223**	**144**	**212**	**149**	**40**	**6 648**	**7 485**
Apparel craftsmen and upholsterers	39	-	7	-	-	20	-	-	5	7	...	...
Bakers	20	-	4	-	8	-	8	-	-	-	...	...
Cabinetmakers	-	-	-	-	-	-	-	-	-	-	-	-
Construction craftsmen	302	5	21	63	11	57	29	48	52	16	6 895	8 250
Carpenters	100	5	-	30	11	29	5	20	-	-	...	...
Excavating, grading, and road machine operators	-	-	-	-	-	-	-	-	-	-	-	-
Electricians	47	-	-	-	-	9	8	6	17	7	...	...
Masons and tile setters	18	-	-	-	-	6	-	6	6	-	...	-
Painters, construction and maintenance, and paperhangers	76	-	11	28	-	5	8	16	8	-	...	...
Plasterers and cement finishers	15	-	10	5	-	-	-	-	-	-	...	...
Plumbers and pipe fitters	23	-	-	-	-	-	8	-	6	9	...	...
Other construction craftsmen	23	-	-	-	-	8	-	-	15	-	...	...
Foremen, n.e.c	62	-	-	-	-	-	13	29	20	-	...	...
Manufacturing	29	-	-	-	-	-	-	22	7	-	...	...
Nonmanufacturing industries	33	-	-	-	-	-	13	7	13	-	...	...
Linemen and servicemen, telephone and power	19	-	7	-	-	-	-	12	-	-	...	...
Locomotive engineers and firemen	-	-	-	-	-	-	-	-	-	-	-	-
Mechanics and repairmen	412	46	35	31	65	73	34	75	44	9	6 397	7 074
Air conditioning, heating, and refrigeration	19	-	-	-	-	7	-	7	5	-	...	...
Aircraft	14	8	-	-	-	-	-	6	-	-	...	...
Automobile, including body	218	38	13	23	47	58	7	27	5	-	5 745	6 083
Radio and television	44	-	-	-	-	-	-	35	-	9	...	...
Other mechanics and repairmen	117	-	22	8	18	8	27	-	34	-	7 093	7 222
Metal craftsmen, except mechanics	135	-	20	18	20	44	26	7	-	-	6 216	...
Machinists and job and die setters	119	-	20	18	16	32	26	7	-	-	6 172	...
Sheetmetal workers and tinsmiths	6	-	-	-	-	6	-	-	-	-	...	-
Tool and die makers	-	-	-	-	-	-	-	-	-	-	-	-
Other metal craftsmen	10	-	-	-	4	6	-	-	-	-	...	...
Printing craftsmen	61	-	12	5	10	-	13	13	8	-	...	...
Compositors and typesetters	20	-	-	-	-	-	13	7	-	-	...	...
Pressmen and plate printers, printing	21	-	-	5	10	-	-	6	-	-	...	...
Stationary engineers and power station operators	-	-	-	-	-	-	-	-	-	-	-	-
Other craftsmen and kindred workers	197	28	40	-	23	29	21	28	20	8	6 259	7 767

Table 175. **Occupation of the Male Experienced Civilian Labor Force by Earnings in 1969 and Race: 1970**—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Males with earnings in 1969										Median earnings (dollars)	
	Total, 16 years old and over	$1 to $1,999 or loss	$2,000 to $3,999	$4,000 to $4,999	$5,000 to $5,999	$6,000 to $6,999	$7,000 to $7,999	$8,000 to $9,999	$10,000 to $14,999	$15,000 or more	All earners	Earners worked 50 to 52 weeks
BOSTON SMSA—Continued												
Persons of Spanish Language—Continued												
Experienced civilian labor force—Continued												
Operatives, except transport	**1 448**	**195**	**233**	**215**	**276**	**180**	**178**	**103**	**68**	-	**5 293**	**5 789**
Assemblers	127	17	22	20	6	5	54	-	3	-	5 750	7 037
Checkers, examiners, and inspectors; manufacturing	53	7	-	14	14	-	6	12	-	-	...	...
Garage workers and gas station attendants	24	17	-	7	-	-	-	-	-	-	...	...
Laundry and drycleaning operatives, n.e.c	66	6	16	-	28	-	-	16	-	-	...	...
Meat cutters and butchers	45	7	6	-	17	15	-	-	-	-	...	...
Mine operatives, n.e.c	-	-	-	-	-	-	-	-	-	-	-	-
Packers and wrappers, except produce	126	23	7	21	49	18	-	8	-	-	5 245	...
Painters, manufactured articles	17	-	-	6	8	-	-	-	3	-	...	...
Precision machine operatives	55	14	8	-	6	19	8	-	-	-	...	...
Sawyers	-	-	-	-	-	-	-	-	-	-	-	-
Stationary firemen	8	-	-	-	-	-	-	-	8	-	...	...
Textile operatives	62	8	-	22	-	30	2	-	-	-	...	...
Welders and flamecutters	89	-	8	25	7	17	23	9	-	-	...	...
Other metalworking operatives	50	9	-	-	-	23	4	6	8	-	...	...
Other specified operatives	281	32	95	31	49	14	27	23	10	-	4 435	5 250
Miscellaneous and not specified operatives	445	55	71	69	92	39	54	29	36	-	5 299	5 693
Occupation:												
Machine operatives, miscellaneous specified	174	38	22	28	27	12	24	23	-	-	4 964	5 667
Machine operatives, not specified	167	-	42	35	43	21	11	-	15	-	5 151	5 500
Miscellaneous operatives	87	6	7	6	22	-	19	6	21	-	...	...
Not specified operatives	17	11	-	-	-	6	-	-	-	-	...	...
Industry:												
Manufacturing	404	55	67	61	81	33	47	29	31	-	5 235	5 691
Durable goods	183	18	36	37	27	13	15	6	31	-	5 019	5 519
Wood products, including furniture	29	-	-	5	-	8	10	6	-	-	...	...
Primary metal industries	-	-	-	-	-	-	-	-	-	-	-	-
Fabricated metal industries	31	11	15	-	-	5	-	-	-	-	...	...
Machinery, including electrical	65	-	14	17	19	-	5	-	10	-	...	...
Motor vehicles and equipment	-	-	-	-	-	-	-	-	-	-	-	-
Transportation equipment, except motor vehicles	-	-	-	-	-	-	-	-	-	-	-	-
Other durable goods	58	7	7	15	8	-	-	-	21	-	...	...
Nondurable goods	221	37	31	24	54	20	32	23	-	-	5 343	5 778
Food and kindred products	45	14	19	-	-	-	-	12	-	-	...	...
Apparel and other fabricated textile products	14	-	-	6	8	-	-	-	-	-	...	...
Paper and allied products	38	6	3	7	-	-	22	-	-	-	...	...
Chemicals and allied products	-	-	-	-	-	-	-	-	-	-	-	-
Other nondurable goods	124	17	9	11	46	20	10	11	-	-	5 543	...
Not specified manufacturing industries	-	-	-	-	-	-	-	-	-	-	-	-
Nonmanufacturing industries	41	-	4	8	11	6	7	-	5	-	...	...
Transportation, communications, and other public utilities	-	-	-	-	-	-	-	-	-	-	-	-
Wholesale and retail trade	32	-	-	8	11	6	7	-	-	-	...	...
All other industries	9	-	4	-	-	-	-	-	5	-	...	...
Transport equipment operatives	**227**	**21**	**12**	**26**	**25**	**51**	**24**	**48**	**20**	-	**6 578**	**6 514**
Bus drivers	17	-	-	-	12	-	-	5	-	-	...	...
Taxicab drivers and chauffeurs	59	7	-	6	13	19	-	14	-	-	...	...
Truck drivers and deliverymen	106	14	12	14	-	25	-	21	20	-	6 520	...
Other transport equipment operatives	45	-	-	6	-	7	24	8	-	-	...	...
Laborers, except farm	**455**	**99**	**94**	**108**	**40**	**26**	**53**	**35**	-	-	**4 319**	**4 688**
Construction laborers	87	-	12	6	13	9	19	28	-	-	...	...
Freight, stock, and material handlers	198	60	45	46	8	12	20	7	-	-	3 733	4 605
Other specified laborers	102	21	19	42	6	-	14	-	-	-	4 262	...
Miscellaneous and not specified laborers	68	18	18	14	13	5	-	-	-	-	...	...
Occupation:												
Miscellaneous laborers	17	6	-	-	6	5	-	-	-	-	...	...
Not specified laborers	51	12	18	14	7	-	-	-	-	-	...	...
Industry:												
Manufacturing	26	-	12	7	7	-	-	-	-	-	...	...
Durable goods	8	-	8	-	-	-	-	-	-	-	...	-
Wood products, including furniture	8	-	8	-	-	-	-	-	-	-	...	-
Metal industries	-	-	-	-	-	-	-	-	-	-	-	-
Machinery, including electrical	-	-	-	-	-	-	-	-	-	-	-	-
Transportation equipment	-	-	-	-	-	-	-	-	-	-	-	-
Other durable goods	-	-	-	-	-	-	-	-	-	-	-	-
Nondurable goods	18	-	4	7	7	-	-	-	-	-	...	...
Food and kindred products	7	-	-	-	7	-	-	-	-	-	...	-
Not specified manufacturing industries	-	-	-	-	-	-	-	-	-	-	-	-
Nonmanufacturing industries	42	18	6	7	6	5	-	-	-	-	...	...
Railroads and railway express service	-	-	-	-	-	-	-	-	-	-	-	-
Transportation, except railroads	-	-	-	-	-	-	-	-	-	-	-	-
Communications, and utilities and sanitary services	-	-	-	-	-	-	-	-	-	-	-	-
Wholesale and retail trade	42	18	6	7	6	5	-	-	-	-	...	...
All other industries	-	-	-	-	-	-	-	-	-	-	-	-
Farmers and farm managers	-	-	-	-	-	-	-	-	-	-	-	-
Farm laborers and farm foremen	**98**	**33**	**39**	**6**	**16**	-	-	**4**	-	-	...	...
Paid farm laborers and farm foremen	98	33	39	6	16	-	-	4	-	-	...	...
Unpaid family workers	-	-	-	-	-	-	-	-	-	-	-	-
Service workers, except private household[1]	**907**	**177**	**177**	**119**	**155**	**120**	**32**	**71**	**35**	**21**	**4 836**	**5 637**
Cleaning service workers	265	67	41	41	59	40	4	7	6	-	4 598	5 619
Food service workers	420	106	61	63	48	69	22	28	15	8	4 683	5 548
Cooks, except private household	177	40	14	-	21	55	11	21	7	8	6 245	6 700
Busboys and dishwashers	132	46	25	34	7	-	5	7	8	-	3 600	...
Health service workers	46	4	22	-	-	6	6	-	8	-	...	...
Personal service workers	88	-	39	7	18	-	-	11	-	13	...	...
Protective service workers	55	-	2	8	14	-	-	25	6	-	...	...
Firemen, fire protection	24	-	-	-	-	-	-	18	6	-	...	...
Guards and watchmen	16	-	2	-	14	-	-	-	-	-	...	...
Policemen and detectives	15	-	-	8	-	-	-	7	-	-	...	...
Private household workers	**5**	-	-	-	-	**5**	-	-	-	-	...	...

[1]Includes allocated cases not shown separately.

Table 175. **Occupation of the Male Experienced Civilian Labor Force by Earnings in 1969 and Race: 1970**—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Males with earnings in 1969										Median earnings (dollars)	
	Total, 16 years old and over	$1 to $1,999 or loss	$2,000 to $3,999	$4,000 to $4,999	$5,000 to $5,999	$6,000 to $6,999	$7,000 to $7,999	$8,000 to $9,999	$10,000 to $14,999	$15,000 or more	All earners	Earners worked 50 to 52 weeks
PROVIDENCE–PAWTUCKET–WARWICK, R.I.–MASS., SMSA												
Total												
Experienced civilian labor force	**225 108**	**23 844**	**20 442**	**14 873**	**20 963**	**24 574**	**27 084**	**39 373**	**37 491**	**16 464**	**7 290**	**8 054**
Professional, technical, and kindred workers	**29 403**	**1 578**	**2 089**	**905**	**1 138**	**1 796**	**2 604**	**5 454**	**8 467**	**5 372**	**9 684**	**10 543**
Accountants	2 444	77	117	33	93	178	268	583	703	392	9 564	9 903
Architects	232	–	14	6	–	5	12	19	100	76	13 000	13 289
Computer specialists	733	31	17	15	6	30	66	202	255	111	9 995	10 453
Engineers	5 084	99	148	73	110	173	282	917	2 208	1 074	11 676	12 092
Aeronautical and astronautical	31	–	4	–	–	7	–	–	15	5	...	...
Civil	807	34	25	25	34	14	38	105	371	161	11 732	12 270
Electrical and electronic	999	26	22	17	25	27	29	201	458	194	11 665	12 176
Mechanical	777	13	15	–	13	44	45	135	334	178	11 849	12 135
Other engineers	2 470	26	82	31	38	81	170	476	1 030	536	11 607	11 987
Lawyers and judges	1 035	37	37	24	15	23	29	51	224	595	15000+	15000+
Life and physical scientists	735	20	63	16	22	39	54	100	245	176	11 092	11 840
Chemists	534	15	21	11	8	20	44	69	196	150	12 015	12 433
Physicians, dentists, and related practitioners	2 407	100	75	40	36	77	93	181	447	1 358	15000+	15000+
Dentists	384	27	–	10	–	18	–	19	52	258	15000+	15000+
Pharmacists	498	48	17	18	10	32	24	86	201	62	10 348	10 918
Physicians, medical and osteopathic	1 278	20	44	–	12	21	58	58	150	915	15000+	15000+
Other related practitioners	247	5	14	12	14	6	11	18	44	123	14 943	15000+
Health technologists and technicians	386	67	66	33	16	31	32	84	48	9	6 355	8 083
Religious workers	690	44	163	113	78	59	56	56	68	53	5 321	5 261
Social scientists	338	24	37	–	9	17	16	33	113	89	11 460	13 170
Social and recreation workers	685	85	42	25	48	62	89	151	149	34	7 904	8 617
Teachers	5 502	364	583	162	248	398	520	1 170	1 440	617	8 814	10 311
College and university	1 711	137	173	63	65	67	96	220	458	432	10 377	12 956
Elementary and prekindergarten	913	83	126	28	57	87	127	150	211	44	7 594	8 797
Secondary	2 455	74	241	66	104	212	269	688	689	112	8 760	9 511
Engineering and science technicians	3 118	103	244	153	186	305	531	807	692	97	8 092	8 447
Draftsmen and surveyors	1 331	60	93	61	60	81	199	384	351	42	8 581	8 855
Electrical and electronic engineering technicians	543	–	34	20	19	66	121	131	142	10	8 176	8 520
Technicians, except health, and engineering and science	399	15	20	9	10	51	54	80	111	49	9 013	9 475
Airplane pilots	74	–	–	5	–	10	11	5	18	25	...	...
Writers, artists, and entertainers	2 238	221	189	93	97	114	144	397	678	305	9 315	10 248
Other professional, technical, and kindred workers	3 377	291	274	110	164	234	358	623	986	337	8 827	9 492
Managers and administrators, except farm	**23 164**	**838**	**843**	**625**	**1 120**	**1 195**	**1 861**	**3 515**	**6 899**	**6 268**	**11 149**	**11 671**
Buyers, purchasing agents, and sales managers	2 971	52	66	57	128	129	270	535	973	761	11 277	11 752
School administrators	622	18	12	5	9	9	25	56	273	215	13 242	14 147
Specified managers and administrators, public administration	1 302	44	17	34	76	105	148	253	434	191	9 794	10 075
Other specified managers and administrators	3 913	219	231	140	250	212	400	653	1 055	753	9 545	10 065
Managers and administrators, n.e.c., salaried	11 900	338	299	241	351	525	730	1 776	3 721	3 919	12 271	12 703
Manufacturing	4 594	78	80	56	76	123	160	520	1 387	2 114	14 340	14 618
Wholesale and retail trade	3 640	134	125	107	114	227	356	733	1 009	835	10 119	10 607
Transportation, communications, and other public utilities	647	22	–	15	49	8	32	97	273	151	11 841	12 102
All other industries	3 019	104	94	63	112	167	182	426	1 052	819	11 718	12 363
Managers and administrators, n.e.c., self-employed	2 456	167	218	148	306	215	288	242	443	429	7 604	7 916
Construction	460	26	35	22	42	47	40	82	95	71	8 439	9 610
Manufacturing	360	36	37	–	47	25	16	24	67	108	9 583	10 787
Wholesale and retail trade	1 244	75	118	104	178	116	175	117	203	158	7 177	7 440
All other industries	392	30	28	22	39	27	57	19	78	92	7 877	8 316
Sales workers	**14 855**	**1 928**	**1 247**	**623**	**941**	**1 267**	**1 480**	**2 269**	**3 097**	**2 003**	**7 960**	**9 082**
Insurance agents, brokers, and underwriters	1 824	75	102	40	77	154	166	295	510	405	10 029	10 905
Real estate agents and brokers	490	36	42	28	38	20	27	72	98	129	9 500	10 682
Sales representatives, manufacturing industries	1 876	89	58	41	106	120	156	286	611	409	10 671	11 301
Sales representatives, wholesale trade	2 992	130	137	91	179	274	407	595	803	376	8 934	9 235
Sales clerks, retail trade	3 736	1 032	629	209	306	325	316	427	319	173	4 990	6 978
Salesmen, retail trade	1 665	109	151	108	107	228	199	309	306	148	7 651	8 500
Salesmen of services and construction	645	40	18	25	66	52	76	112	192	64	8 813	9 107
Other sales workers	1 627	417	110	81	62	94	133	173	258	299	7 372	9 133
Clerical and kindred workers	**18 245**	**2 789**	**2 083**	**1 165**	**1 790**	**2 141**	**2 542**	**3 546**	**1 815**	**374**	**6 605**	**7 460**
Bank tellers and cashiers	1 294	524	363	56	86	92	92	49	32	–	2 678	3 807
Bookkeepers and billing clerks	929	73	108	73	110	158	85	114	141	67	6 636	7 165
Mail handlers and postal clerks	2 610	104	87	84	134	207	638	1 072	253	31	8 095	8 251
Other clerical and kindred workers	13 412	2 088	1 525	952	1 460	1 684	1 727	2 311	1 389	276	6 404	7 331
Craftsmen and kindred workers	**52 590**	**2 861**	**3 342**	**2 733**	**4 556**	**6 482**	**7 809**	**12 103**	**10 972**	**1 732**	**7 809**	**8 332**
Apparel craftsmen and upholsterers	397	69	40	39	58	42	76	30	43	–	5 871	6 694
Bakers	557	17	106	38	105	104	68	82	25	12	6 120	5 990
Cabinetmakers	383	42	20	14	34	86	58	66	50	13	6 948	7 702
Construction craftsmen	13 151	839	1 049	842	1 434	1 659	1 834	2 700	2 513	281	7 410	8 090
Carpenters	4 751	343	364	352	603	792	670	1 026	549	52	6 901	7 616
Excavating, grading, and road machine operators	950	34	35	53	123	92	120	191	267	35	8 188	8 673
Electricians	1 895	53	89	31	137	168	310	484	561	62	8 659	8 880
Masons and tile setters	903	12	77	55	68	85	142	214	235	15	8 117	8 672
Painters, construction and maintenance, and paperhangers	1 801	231	236	190	279	212	202	260	172	19	5 873	7 079
Plasterers and cement finishers	448	13	53	39	73	82	34	73	65	16	6 561	8 028
Plumbers and pipe fitters	1 690	98	141	71	125	138	253	286	530	48	8 133	8 682
Other construction craftsmen	713	55	54	51	26	90	103	166	134	34	7 782	8 723
Foremen, n.e.c.	8 607	165	146	153	340	769	1 197	2 533	2 700	604	9 211	9 363
Manufacturing	5 678	108	102	99	215	478	813	1 662	1 809	392	9 232	9 398
Nonmanufacturing industries	2 929	57	44	54	125	291	384	871	891	212	9 170	9 292
Linemen and servicemen, telephone and power	1 541	46	75	35	89	176	171	291	615	43	9 227	9 560
Locomotive engineers and firemen	121	–	6	–	–	–	–	37	63	15	11 389	...
Mechanics and repairmen	11 175	645	803	689	1 183	1 647	1 903	2 619	1 482	204	7 326	7 671
Air conditioning, heating, and refrigeration	660	16	18	20	61	85	122	154	166	18	8 104	8 504
Aircraft	707	4	16	8	5	89	167	313	100	5	8 412	8 459
Automobile, including body	4 176	340	490	351	521	612	649	675	452	86	6 631	7 168
Radio and television	596	36	39	37	70	56	114	163	62	19	7 526	7 785
Other mechanics and repairmen	5 036	249	240	273	526	805	851	1 314	702	76	7 499	7 776
Metal craftsmen, except mechanics	8 055	353	416	435	663	869	1 323	2 025	1 765	206	7 976	8 494
Machinists and job and die setters	3 296	122	190	168	327	362	681	873	532	41	7 703	8 072
Sheetmetal workers and tinsmiths	672	65	11	43	45	77	101	204	126	–	7 941	8 527
Tool and die makers	2 494	83	70	122	106	193	346	629	841	104	9 040	9 420
Other metal craftsmen	1 593	83	145	102	185	237	195	319	266	61	7 228	7 930
Printing craftsmen	1 907	125	148	89	95	136	276	460	492	86	8 367	8 854
Compositors and typesetters	829	38	76	52	49	63	137	187	191	36	7 996	8 553
Pressmen and plate printers, printing	753	66	48	37	40	60	109	223	153	17	8 148	8 535
Stationary engineers and power station operators	747	4	5	29	48	67	108	181	265	40	9 243	9 330
Other craftsmen and kindred workers	5 949	556	528	370	507	927	795	1 079	959	228	7 109	7 702

Table 175. **Occupation of the Male Experienced Civilian Labor Force by Earnings in 1969 and Race: 1970**—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Males with earnings in 1969										Median earnings (dollars)	
	Total, 16 years old and over	$1 to $1,999 or loss	$2,000 to $3,999	$4,000 to $4,999	$5,000 to $5,999	$6,000 to $6,999	$7,000 to $7,999	$8,000 to $9,999	$10,000 to $14,999	$15,000 or more	All earners	Earners worked 50 to 52 weeks
PROVIDENCE–PAWTUCKET–WARWICK, R.I.–MASS., SMSA—Continued												
Total—Continued												
Experienced civilian labor force—Continued												
Operatives, except transport	**39 420**	**4 222**	**4 577**	**3 884**	**5 842**	**5 834**	**5 782**	**6 372**	**2 653**	**254**	**6 203**	**6 920**
Assemblers	1 905	260	150	132	202	272	408	363	115	3	6 767	7 359
Checkers, examiners, and inspectors, manufacturing	2 039	66	150	187	333	370	287	414	226	6	6 766	7 105
Garage workers and gas station attendants	1 032	408	291	59	88	69	56	26	30	5	2 742	5 000
Laundry and drycleaning operatives, n.e.c	384	89	48	61	69	56	24	20	17	–	4 902	5 896
Meat cutters and butchers	1 052	96	97	57	74	102	167	280	155	24	7 599	8 127
Mine operatives, n.e.c	23	5	–	–	–	–	5	6	7	–	...	...
Packers and wrappers, except produce	1 047	275	168	78	188	121	84	117	10	6	5 013	5 982
Painters, manufactured articles	583	62	54	97	70	80	78	85	51	6	6 106	6 860
Precision machine operatives	2 507	118	113	180	296	350	467	703	257	23	7 421	7 792
Sawyers	104	5	17	6	24	25	22	5	–	–	6 000	...
Stationary firemen	794	24	44	67	107	193	114	151	94	–	6 803	7 050
Textile operatives	4 009	346	603	535	885	654	499	358	115	14	5 588	5 992
Welders and flamecutters	1 401	53	41	66	106	200	342	343	214	36	7 686	7 895
Other metalworking operatives	3 654	438	414	313	515	623	608	499	218	26	6 236	6 844
Other specified operatives	6 528	538	801	816	990	930	878	1 052	474	49	6 128	6 756
Miscellaneous and not specified operatives	12 358	1 439	1 586	1 230	1 895	1 789	1 743	1 950	670	56	6 016	6 841
Occupation:												
Machine operatives, miscellaneous specified	5 223	592	629	537	799	784	783	813	268	18	6 070	6 790
Machine operatives, not specified	2 677	143	335	232	501	464	383	447	151	21	6 275	6 885
Miscellaneous operatives	2 535	322	383	278	335	349	315	385	157	11	5 849	6 783
Not specified operatives	1 923	382	239	183	260	192	262	305	94	6	5 606	7 021
Industry:												
Manufacturing	11 252	1 234	1 428	1 140	1 808	1 590	1 598	1 790	608	56	6 010	6 831
Durable goods	8 027	892	1 002	753	1 264	1 089	1 128	1 366	483	50	6 094	6 915
Wood products, including furniture	198	–	44	31	25	39	25	27	7	–	5 960	6 448
Primary metal industries	2 152	149	199	122	403	352	415	399	113	–	6 577	7 230
Fabricated metal industries	813	75	136	68	204	104	123	74	20	9	5 625	6 175
Machinery, including electrical	1 550	118	126	137	191	207	241	375	144	11	6 981	7 547
Motor vehicles and equipment	56	–	13	–	6	11	4	18	4	–	...	...
Transportation equipment, except motor vehicles	57	–	8	5	–	6	10	20	8	–	...	...
Other durable goods	3 201	550	476	390	435	370	310	453	187	30	5 424	6 375
Nondurable goods	3 175	327	412	379	544	495	463	424	125	6	5 863	6 652
Food and kindred products	432	33	43	36	62	42	68	123	25	–	7 000	7 686
Apparel and other fabricated textile products	101	29	25	6	20	21	–	–	–	–	3 720	...
Paper and allied products	614	86	61	69	97	89	93	103	16	–	5 938	6 872
Chemicals and allied products	596	41	34	75	161	146	68	49	16	6	5 919	6 372
Other nondurable goods	1 432	138	249	193	204	197	234	149	68	–	5 667	6 608
Not specified manufacturing industries	50	15	14	8	–	6	7	–	–	–	...	...
Nonmanufacturing industries	1 106	205	158	90	87	199	145	160	62	–	6 065	6 913
Transportation, communications, and other public utilities	110	–	30	7	–	29	25	5	14	–	6 621	...
Wholesale and retail trade	585	108	83	52	46	108	49	102	37	–	6 032	6 833
All other industries	411	97	45	31	41	62	71	53	11	–	5 793	6 977
Transport equipment operatives	**12 486**	**1 060**	**907**	**993**	**1 474**	**1 840**	**1 741**	**2 620**	**1 737**	**114**	**6 983**	**7 574**
Bus drivers	781	128	68	47	65	120	107	149	86	11	6 688	7 755
Taxicab drivers and chauffeurs	437	83	82	86	74	61	30	14	7	–	4 622	5 182
Truck drivers and deliverymen	9 366	657	596	658	1 112	1 280	1 335	2 101	1 534	93	7 285	7 794
Other transport equipment operatives	1 902	192	161	202	223	379	269	356	110	10	6 456	7 004
Laborers, except farm	**12 773**	**2 807**	**2 205**	**1 531**	**1 553**	**1 631**	**1 320**	**1 175**	**474**	**77**	**4 898**	**6 172**
Construction laborers	2 917	299	456	404	474	427	352	380	99	26	5 632	6 566
Freight, stock, and material handlers	5 076	1 290	1 003	505	468	578	542	490	174	26	4 485	6 236
Other specified laborers	2 750	755	454	320	292	348	243	193	125	20	4 519	6 129
Miscellaneous and not specified laborers	2 030	463	292	302	319	278	183	112	76	5	4 861	5 660
Occupation:												
Miscellaneous laborers	645	83	82	128	100	91	87	44	30	–	5 295	5 663
Not specified laborers	1 385	380	210	174	219	187	96	68	46	5	4 589	5 658
Industry:												
Manufacturing	1 094	194	138	157	192	169	124	83	32	5	5 302	5 977
Durable goods	596	104	61	93	101	82	78	62	15	–	5 396	6 057
Wood products, including furniture	9	9	–	–	–	–	–	–	–	–	...	–
Metal industries	211	5	14	69	33	32	29	29	–	–	5 530	6 125
Machinery, including electrical	94	12	6	14	26	5	17	14	–	–	...	...
Transportation equipment	30	5	10	–	–	5	–	–	10	–	...	...
Other durable goods	252	73	31	10	42	40	32	19	5	–	5 286	5 893
Nondurable goods	492	90	77	64	91	87	40	21	17	5	5 165	5 849
Food and kindred products	56	12	5	12	–	13	5	9	–	–	...	...
Not specified manufacturing industries	6	–	–	–	–	–	6	–	–	–	...	...
Nonmanufacturing industries	936	269	154	145	127	109	59	29	44	–	4 310	5 245
Railroads and railway express service	31	4	–	–	–	3	19	5	–	–	...	...
Transportation, except railroads	53	11	12	5	4	5	5	–	11	–	...	...
Communications, and utilities and sanitary services	148	22	20	40	35	15	6	5	5	–	4 800	4 988
Wholesale and retail trade	308	108	51	25	25	51	20	19	9	–	3 804	5 900
All other industries	396	124	71	75	63	35	9	–	19	–	4 040	5 000
Farmers and farm managers	**501**	**87**	**90**	**44**	**62**	**31**	**51**	**43**	**66**	**27**	**5 476**	**5 655**
Farm laborers and farm foremen	**498**	**182**	**82**	**25**	**78**	**35**	**20**	**33**	**29**	**14**	**3 634**	**5 896**
Paid farm laborers and farm foremen	493	177	82	25	78	35	20	33	29	14	3 695	5 948
Unpaid family workers	5	5	–	–	–	–	–	–	–	–	...	...
Service workers, except private household[1]	**21 079**	**5 432**	**2 973**	**2 341**	**2 409**	**2 305**	**1 870**	**2 243**	**1 277**	**229**	**4 912**	**6 222**
Cleaning service workers	6 248	1 564	880	991	1 008	666	435	492	148	64	4 686	5 510
Food service workers	5 190	2 181	1 049	387	520	377	245	199	195	37	2 789	5 260
Cooks, except private household	1 830	443	368	157	233	223	162	114	112	18	4 662	5 732
Busboys and dishwashers	1 080	841	166	19	25	5	15	–	5	4	1 284	3 071
Health service workers	793	148	128	142	88	95	62	69	41	20	4 849	5 920
Personal service workers	1 882	398	275	298	258	207	127	131	147	41	4 899	5 769
Protective service workers	5 117	508	340	326	376	783	887	1 183	662	52	7 254	7 647
Firemen, fire protection	1 539	19	19	60	18	249	369	491	305	9	8 145	8 269
Guards and watchmen	1 571	377	285	218	231	104	99	162	90	5	4 567	5 519
Policemen and detectives	1 836	65	21	37	79	418	390	525	263	38	7 764	7 852
Private household workers	**94**	**60**	**4**	**4**	–	**17**	**4**	–	**5**	–	...	...

[1]Includes allocated cases not shown separately.

Table 175. **Occupation of the Male Experienced Civilian Labor Force by Earnings in 1969 and Race: 1970**—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Males with earnings in 1969										Median earnings (dollars)	
	Total, 16 years old and over	$1 to $1,999 or loss	$2,000 to $3,999	$4,000 to $4,999	$5,000 to $5,999	$6,000 to $6,999	$7,000 to $7,999	$8,000 to $9,999	$10,000 to $14,999	$15,000 or more	All earners	Earners worked 50 to 52 weeks
SPRINGFIELD–CHICOPEE–HOLYOKE, MASS.–CONN., SMSA												
Total												
Experienced civilian labor force	**127 339**	**12 731**	**9 469**	**6 022**	**9 652**	**12 864**	**15 512**	**26 213**	**25 349**	**9 527**	**7 834**	**8 604**
Professional, technical, and kindred workers	**16 619**	**883**	**830**	**492**	**624**	**1 020**	**1 452**	**3 327**	**4 947**	**3 044**	**9 809**	**10 625**
Accountants	1 247	68	42	25	80	91	103	308	343	187	9 393	9 792
Architects	57	–	–	–	–	–	–	11	16	30	...	...
Computer specialists	385	15	17	25	18	32	25	95	136	22	9 274	9 916
Engineers	3 148	51	44	45	46	112	132	539	1 466	713	12 063	12 386
Aeronautical and astronautical	242	5	–	6	–	5	17	34	97	78	12 784	13 067
Civil	295	–	15	18	13	13	5	48	101	82	11 757	12 527
Electrical and electronic	462	4	14	6	9	15	17	102	240	55	11 333	11 602
Mechanical	564	10	5	–	5	13	6	86	277	162	12 834	13 113
Other engineers	1 585	32	10	15	19	66	87	269	751	336	11 961	12 270
Lawyers and judges	525	21	10	6	15	19	22	40	61	331	15000+	15000+
Life and physical scientists	317	5	13	4	5	–	62	53	122	53	10 676	11 186
Chemists	246	–	5	4	5	–	49	43	95	45	10 895	11 181
Physicians, dentists, and related practitioners	1 319	25	27	11	22	43	66	120	202	803	15000+	15000+
Dentists	266	–	–	–	–	9	5	7	29	216	15000+	15000+
Pharmacists	364	10	7	7	4	19	35	94	112	76	10 268	10 613
Physicians, medical and osteopathic	548	11	10	4	6	–	20	4	48	445	15000+	15000+
Other related practitioners	141	4	10	–	12	15	6	15	13	66	13 269	...
Health technologists and technicians	142	4	11	16	14	24	16	16	35	6	7 125	7 688
Religious workers	361	32	79	36	27	44	61	19	63	–	6 148	6 224
Social scientists	249	5	4	–	–	11	20	59	97	53	11 314	11 919
Social and recreation workers	256	42	28	12	4	21	38	48	29	34	7 553	8 775
Teachers	3 484	237	294	129	106	296	343	824	1 007	248	8 818	9 504
College and university	897	69	86	14	21	44	43	195	264	161	9 759	10 446
Elementary and prekindergarten	692	59	72	27	41	79	61	142	183	28	8 099	10 253
Secondary	1 714	99	94	61	34	158	217	469	529	53	8 827	9 060
Engineering and science technicians	1 933	63	132	86	117	170	277	598	411	79	8 406	8 787
Draftsmen and surveyors	869	29	56	30	48	75	99	273	234	25	8 714	9 040
Electrical and electronic engineering technicians	236	2	29	12	15	26	45	62	35	10	7 756	8 258
Technicians, except health, and engineering and science	253	14	–	11	13	4	36	79	61	35	9 228	9 608
Airplane pilots	44	–	–	–	6	4	4	5	–	25	...	...
Writers, artists, and entertainers	983	124	43	41	59	64	98	159	253	142	8 786	9 962
Other professional, technical, and kindred workers	1 960	177	86	45	98	89	153	359	645	308	9 850	10 670
Managers and administrators, except farm	**14 049**	**465**	**453**	**305**	**410**	**728**	**1 039**	**2 514**	**4 594**	**3 541**	**11 209**	**11 605**
Buyers, purchasing agents, and sales managers	1 972	35	83	27	42	111	192	416	639	427	10 626	10 920
School administrators	379	11	5	–	–	–	4	43	207	109	13 056	13 190
Specified managers and administrators, public administration	688	16	10	11	–	44	29	157	310	111	11 242	11 521
Other specified managers and administrators	2 416	146	120	85	145	173	190	454	722	381	9 537	10 168
Managers and administrators, n.e.c., salaried	7 244	189	153	149	134	288	506	1 211	2 377	2 237	12 087	12 411
Manufacturing	2 386	19	17	39	36	53	120	260	857	985	13 786	13 822
Wholesale and retail trade	2 415	78	74	59	73	127	245	509	704	546	10 302	10 883
Transportation, communications, and other public utilities	620	8	4	6	–	23	28	141	245	165	12 041	12 245
All other industries	1 823	84	58	45	25	85	113	301	571	541	11 756	12 215
Managers and administrators, n.e.c., self-employed	1 350	68	82	33	89	112	118	233	339	276	9 485	9 895
Construction	195	–	5	10	11	15	21	29	58	46	10 560	12 292
Manufacturing	116	4	11	5	9	–	8	19	40	20	10 250	10 250
Wholesale and retail trade	739	41	50	12	48	79	72	117	185	135	9 154	9 473
All other industries	300	23	16	6	21	18	17	68	56	75	9 441	9 786
Sales workers	**9 173**	**1 247**	**795**	**301**	**468**	**712**	**778**	**1 506**	**2 079**	**1 287**	**8 379**	**9 571**
Insurance agents, brokers, and underwriters	1 121	40	27	25	39	67	104	231	349	239	10 394	11 273
Real estate agents and brokers	365	33	17	5	15	30	25	45	59	136	11 059	12 194
Sales representatives, manufacturing industries	1 401	42	37	33	22	81	99	250	503	334	11 357	11 944
Sales representatives, wholesale trade	1 605	104	74	47	66	156	182	340	427	209	9 021	9 648
Sales clerks, retail trade	2 175	641	371	78	158	204	169	258	238	58	4 968	7 111
Salesmen, retail trade	1 163	126	118	56	80	93	130	152	275	133	7 835	9 133
Salesmen of services and construction	500	33	47	32	33	22	33	108	131	61	8 926	9 773
Other sales workers	843	228	104	25	55	59	36	122	97	117	6 161	8 531
Clerical and kindred workers	**10 009**	**1 176**	**818**	**491**	**762**	**1 206**	**1 676**	**2 546**	**1 188**	**146**	**7 329**	**7 835**
Bank tellers and cashiers	338	107	60	24	36	37	23	36	15	–	4 083	5 734
Bookkeepers and billing clerks	443	40	50	16	21	62	57	115	59	23	7 570	8 200
Mail handlers and postal clerks	1 732	67	73	44	76	191	409	691	164	17	8 017	8 168
Other clerical and kindred workers	7 496	962	635	407	629	916	1 187	1 704	950	106	7 168	7 764
Craftsmen and kindred workers	**28 345**	**1 399**	**1 582**	**1 065**	**2 025**	**2 943**	**3 984**	**7 015**	**7 347**	**985**	**8 335**	**8 862**
Apparel craftsmen and upholsterers	302	26	32	10	38	84	20	41	51	–	6 536	6 873
Bakers	284	50	27	26	22	48	30	55	21	5	6 354	6 800
Cabinetmakers	134	13	18	10	11	23	20	21	9	9	6 652	...
Construction craftsmen	6 160	301	452	283	513	640	830	1 320	1 625	196	8 092	9 059
Carpenters	1 854	85	199	102	168	218	192	394	438	58	7 807	8 844
Excavating, grading, and road machine operators	512	8	10	20	49	68	69	123	146	19	8 520	8 893
Electricians	1 114	35	43	30	65	68	132	256	450	35	9 438	9 928
Masons and tile setters	593	26	38	38	44	54	148	112	133	–	7 652	8 642
Painters, construction and maintenance, and paperhangers	731	91	92	32	69	98	137	121	71	20	6 832	7 692
Plasterers and cement finishers	120	–	3	–	5	5	20	35	52	–	9 543	...
Plumbers and pipe fitters	805	35	33	10	78	88	76	212	227	46	8 778	9 318
Other construction craftsmen	431	21	34	51	35	41	56	67	108	18	7 598	9 154
Foremen, n.e.c	4 621	84	69	115	117	294	418	1 277	1 888	359	9 901	10 125
Manufacturing	3 003	53	29	64	48	171	241	889	1 274	234	10 026	10 294
Nonmanufacturing industries	1 618	31	40	51	69	123	177	388	614	125	9 639	9 861
Linemen and servicemen, telephone and power	759	5	18	15	31	93	91	137	338	31	9 847	10 173
Locomotive engineers and firemen	102	–	–	–	17	5	–	4	60	16	12 083	...
Mechanics and repairmen	5 802	455	423	292	454	720	929	1 382	1 022	125	7 600	8 076
Air conditioning, heating, and refrigeration	263	10	5	13	10	19	58	67	65	16	8 493	8 823
Aircraft	290	10	11	6	–	19	54	132	54	4	8 682	8 788
Automobile, including body	1 984	240	195	104	193	263	283	412	247	47	6 989	7 582
Radio and television	319	39	29	21	32	46	47	46	44	15	6 837	7 512
Other mechanics and repairmen	2 946	156	183	148	219	373	487	725	612	43	7 809	8 290
Metal craftsmen, except mechanics	5 319	123	249	107	398	502	866	1 725	1 262	87	8 481	8 845
Machinists and job and die setters	2 408	64	127	46	151	268	370	792	553	37	8 449	8 802
Sheetmetal workers and tinsmiths	502	24	55	4	44	28	104	121	118	4	7 923	8 275
Tool and die makers	1 294	15	46	10	80	85	187	471	374	26	8 951	9 241
Other metal craftsmen	1 115	20	21	47	123	121	205	341	217	20	8 120	8 535
Printing craftsmen	1 439	85	33	63	104	137	227	476	278	36	8 296	8 624
Compositors and typesetters	544	19	13	31	26	64	97	188	92	14	8 234	8 473
Pressmen and plate printers, printing	567	42	9	32	46	55	119	167	86	11	7 836	8 258
Stationary engineers and power station operators	393	–	12	–	30	45	34	108	143	21	9 398	9 479
Other craftsmen and kindred workers	3 030	257	249	144	290	352	519	469	650	100	7 430	7 783

Table 175. **Occupation of the Male Experienced Civilian Labor Force by Earnings in 1969 and Race: 1970**—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Males with earnings in 1969										Median earnings (dollars)	
	Total, 16 years old and over	$1 to $1,999 or loss	$2,000 to $3,999	$4,000 to $4,999	$5,000 to $5,999	$6,000 to $6,999	$7,000 to $7,999	$8,000 to $9,999	$10,000 to $14,999	$15,000 or more	All earners	Earners worked 50 to 52 weeks
SPRINGFIELD–CHICOPEE–HOLYOKE, MASS.–CONN., SMSA—Continued												
Total—Continued												
Experienced civilian labor force—Continued												
Operatives, except transport	**22 622**	**1 844**	**1 840**	**1 474**	**2 468**	**3 121**	**3 504**	**5 364**	**2 766**	**241**	**7 161**	**7 697**
Assemblers	1 671	124	109	79	192	239	304	460	164	–	7 304	7 741
Checkers, examiners, and inspectors, manufacturing	1 794	58	57	52	195	315	340	496	263	18	7 647	7 874
Garage workers and gas station attendants	792	339	150	58	76	45	52	36	31	5	2 760	5 476
Laundry and drycleaning operatives, n.e.c	138	21	37	16	24	22	14	4	–	–	4 688	...
Meat cutters and butchers	672	48	23	45	56	111	105	179	94	11	7 505	7 771
Mine operatives, n.e.c	25	5	6	–	–	–	14	–	–	–	...	...
Packers and wrappers, except produce	519	108	71	79	59	44	57	81	15	5	5 025	6 603
Painters, manufactured articles	230	19	33	6	10	55	18	69	20	–	6 855	7 389
Precision machine operatives	2 065	81	116	49	201	285	415	547	353	18	7 724	8 109
Sawyers	82	–	9	5	14	29	5	14	–	6	...	...
Stationary firemen	242	5	5	–	31	30	41	87	43	–	8 207	8 463
Textile operatives	533	36	56	91	57	95	88	64	23	23	6 279	6 697
Welders and flamecutters	738	33	33	20	79	104	75	243	124	27	8 206	8 512
Other metalworking operatives	1 090	45	72	81	148	176	132	262	168	6	7 174	7 744
Other specified operatives	3 770	276	432	339	423	467	486	771	510	66	6 889	7 530
Miscellaneous and not specified operatives	8 261	646	631	554	903	1 104	1 358	2 051	958	56	7 215	7 734
Occupation:												
Machine operatives, miscellaneous specified	3 561	239	263	263	358	459	553	970	434	22	7 359	7 868
Machine operatives, not specified	2 507	146	196	171	266	357	423	614	330	4	7 278	7 764
Miscellaneous operatives	1 341	125	116	78	161	224	218	317	93	9	6 850	7 423
Not specified operatives	852	136	56	42	118	64	164	150	101	21	7 061	7 615
Industry:												
Manufacturing	7 544	526	539	512	832	1 019	1 301	1 895	881	39	7 264	7 746
Durable goods	3 711	233	253	229	497	507	629	873	456	34	7 217	7 680
Wood products, including furniture	103	17	17	–	14	5	22	28	–	–	6 700	...
Primary metal industries	686	18	72	41	78	120	96	133	118	10	7 146	7 926
Fabricated metal industries	430	10	26	45	40	48	131	89	41	–	7 351	7 530
Machinery, including electrical	923	90	57	34	107	84	138	258	151	4	7 649	8 284
Motor vehicles and equipment	63	–	–	11	6	10	5	12	19	–	...	...
Transportation equipment, except motor vehicles	386	26	20	12	42	57	43	112	65	9	7 837	8 168
Other durable goods	1 120	72	61	86	210	183	194	241	62	11	6 716	7 077
Nondurable goods	3 781	293	286	277	331	509	665	990	425	5	7 292	7 798
Food and kindred products	181	47	6	–	6	12	42	51	17	–	7 464	8 078
Apparel and other fabricated textile products	68	16	4	5	5	4	–	34	–	–	...	...
Paper and allied products	1 657	114	140	159	195	261	335	364	89	–	6 845	7 263
Chemicals and allied products	546	4	19	22	13	75	67	198	148	–	8 737	9 140
Other nondurable goods	1 329	112	117	91	112	157	221	343	171	5	7 342	7 924
Not specified manufacturing industries	52	–	–	6	4	3	7	32	–	–	...	...
Nonmanufacturing industries	717	120	92	42	71	85	57	156	77	17	6 394	7 518
Transportation, communications, and other public utilities	123	17	4	6	7	20	35	24	10	–	7 214	7 371
Wholesale and retail trade	352	79	61	12	25	51	9	72	35	8	5 960	6 956
All other industries	242	24	27	24	39	14	13	60	32	9	6 500	8 224
Transport equipment operatives	**6 468**	**562**	**545**	**373**	**599**	**879**	**911**	**1 427**	**1 075**	**97**	**7 303**	**7 935**
Bus drivers	413	42	10	14	35	116	81	73	42	–	6 909	7 419
Taxicab drivers and chauffeurs	213	43	40	21	23	42	14	20	10	–	5 109	6 172
Truck drivers and deliverymen	4 847	415	421	253	425	572	653	1 112	899	97	7 517	8 215
Other transport equipment operatives	995	62	74	85	116	149	163	222	124	–	7 071	7 477
Laborers, except farm	**6 969**	**1 800**	**950**	**630**	**822**	**912**	**804**	**736**	**288**	**27**	**5 127**	**6 589**
Construction laborers	1 316	150	167	159	146	193	179	220	96	6	6 187	7 219
Freight, stock, and material handlers	2 898	923	410	189	331	299	362	296	78	10	4 614	6 753
Other specified laborers	1 530	382	251	145	197	214	148	138	44	11	4 910	6 285
Miscellaneous and not specified laborers	1 225	345	122	137	148	206	115	82	70	–	5 057	6 283
Occupation:												
Miscellaneous laborers	206	52	27	21	5	50	17	24	10	–	5 600	...
Not specified laborers	1 019	293	95	116	143	156	98	58	60	–	5 038	6 156
Industry:												
Manufacturing	652	133	62	93	97	95	88	54	30	–	5 392	6 449
Durable goods	390	75	26	62	78	64	25	41	19	–	5 410	6 083
Wood products, including furniture	31	14	5	6	6	–	–	–	–	–	...	...
Metal industries	178	29	11	20	44	32	19	19	4	–	5 659	6 273
Machinery, including electrical	28	–	–	–	5	23	–	–	–	–	...	...
Transportation equipment	28	–	–	12	–	5	–	6	5	–	...	...
Other durable goods	125	32	10	24	23	4	6	16	10	–	4 854	...
Nondurable goods	252	52	36	31	19	27	63	13	11	–	5 368	7 163
Food and kindred products	39	8	4	5	8	–	14	–	–	–	...	...
Not specified manufacturing industries	10	6	–	–	–	4	–	–	–	–	...	...
Nonmanufacturing industries	573	212	60	44	51	111	27	28	40	–	4 330	6 157
Railroads and railway express service	25	–	–	4	–	17	–	–	4	–	...	...
Transportation, except railroads	42	9	8	12	–	7	–	–	6	–	...	...
Communications, and utilities and sanitary services	112	25	7	15	31	19	9	–	6	–	5 290	...
Wholesale and retail trade	191	74	25	9	11	33	14	14	11	–	3 720	...
All other industries	203	104	20	4	9	35	4	14	13	–	1 952	...
Farmers and farm managers	**510**	**134**	**82**	**27**	**66**	**42**	**36**	**45**	**36**	**42**	**5 182**	**5 082**
Farm laborers and farm foremen	**622**	**303**	**113**	**40**	**63**	**10**	**30**	**52**	**11**	–	**2 142**	**5 136**
Paid farm laborers and farm foremen	595	284	113	32	63	10	30	52	11	–	2 239	5 297
Unpaid family workers	27	19	–	8	–	–	–	–	–	–	...	...
Service workers, except private household[1]	**11 935**	**2 912**	**1 461**	**818**	**1 345**	**1 291**	**1 298**	**1 681**	**1 012**	**117**	**5 577**	**6 884**
Cleaning service workers	3 974	930	502	404	669	602	399	341	105	22	5 226	6 004
Food service workers	2 645	1 225	467	145	244	188	126	121	107	22	2 418	5 599
Cooks, except private household	838	310	148	49	54	77	75	84	32	9	3 473	6 303
Busboys and dishwashers	516	408	84	5	5	5	–	9	–	–	1 265	...
Health service workers	405	56	58	47	27	103	60	39	15	–	6 141	6 579
Personal service workers	961	200	144	70	175	96	93	84	75	24	5 380	6 170
Protective service workers	3 139	276	165	106	145	222	564	1 003	614	44	8 182	8 590
Firemen, fire protection	956	2	11	13	9	29	206	367	300	19	9 134	9 223
Guards and watchmen	963	172	142	77	97	91	137	173	74	–	5 933	7 172
Policemen and detectives	1 108	56	8	16	33	102	205	443	225	20	8 605	8 784
Private household workers	**18**	**6**	–	**6**	–	–	–	–	**6**	–	...	...

[1]Includes allocated cases not shown separately.

Table 175. **Occupation of the Male Experienced Civilian Labor Force by Earnings in 1969 and Race: 1970** — Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Males with earnings in 1969										Median earnings (dollars)	
	Total, 16 years old and over	$1 to $1,999 or loss	$2,000 to $3,999	$4,000 to $4,999	$5,000 to $5,999	$6,000 to $6,999	$7,000 to $7,999	$8,000 to $9,999	$10,000 to $14,999	$15,000 or more	All earners	Earners worked 50 to 52 weeks
WORCESTER SMSA												
Total												
Experienced civilian labor force	**87 182**	**9 468**	**6 583**	**4 149**	**6 275**	**7 859**	**9 682**	**16 978**	**18 904**	**7 284**	**7 956**	**8 822**
Professional, technical, and kindred workers	**12 874**	**648**	**788**	**305**	**440**	**625**	**1 063**	**2 319**	**4 386**	**2 300**	**10 284**	**10 966**
Accountants	811	55	4	15	44	29	78	199	193	194	9 814	10 281
Architects	30	-	-	-	-	4	11	-	10	5	...	...
Computer specialists	317	14	6	9	25	9	22	89	129	14	9 652	10 102
Engineers	2 511	70	50	23	38	45	41	357	1 362	525	12 318	12 566
Aeronautical and astronautical	9	-	-	-	4	-	-	-	5	-	...	...
Civil	376	15	12	7	4	-	5	69	182	82	12 088	12 730
Electrical and electronic	533	13	9	-	11	16	7	57	309	111	12 484	12 801
Mechanical	417	4	10	-	5	4	14	50	230	100	12 641	12 813
Other engineers	1 176	38	19	16	14	25	15	181	636	232	12 201	12 309
Lawyers and judges	388	15	21	4	-	5	16	36	89	202	15000+	15000+
Life and physical scientists	243	6	6	11	6	6	17	56	93	42	10 726	11 855
Chemists	158	6	6	11	-	6	11	23	63	32	11 270	11 825
Physicians, dentists, and related practitioners	978	15	50	26	29	37	35	76	162	548	15000+	15000+
Dentists	211	4	18	-	-	4	-	4	25	156	15000+	15000+
Pharmacists	147	-	10	-	-	-	4	19	89	25	12 275	12 440
Physicians, medical and osteopathic	500	6	17	26	10	27	25	36	26	327	15000+	15000+
Other related practitioners	120	5	5	-	19	6	6	17	22	40	10 455	...
Health technologists and technicians	131	18	39	-	9	16	5	15	16	13	5 944	...
Religious workers	332	71	54	3	34	34	-	40	47	49	6 118	5 721
Social scientists	141	10	-	-	-	7	15	20	47	42	11 968	13 256
Social and recreation workers	274	36	35	14	13	-	40	92	39	5	7 975	8 727
Teachers	2 854	121	192	76	32	197	260	513	1 112	351	10 162	10 845
College and university	722	22	49	17	9	10	25	103	244	243	12 582	14 020
Elementary and prekindergarten	567	24	79	24	4	57	64	114	185	16	8 553	9 250
Secondary	1 420	54	54	31	19	125	156	258	634	89	10 103	9 895
Engineering and science technicians	1 424	70	57	68	83	93	255	376	388	34	8 457	8 917
Draftsmen and surveyors	720	19	38	33	27	46	146	181	219	11	8 564	9 062
Electrical and electronic engineering technicians	233	5	4	31	16	26	25	71	49	6	8 268	8 676
Technicians, except health, and engineering and science	87	-	5	-	10	2	9	23	28	10	...	...
Airplane pilots	4	-	-	-	-	-	-	-	-	4	...	...
Writers, artists, and entertainers	771	74	62	29	31	36	88	147	233	71	8 891	9 736
Other professional, technical, and kindred workers	1 582	73	207	27	86	105	171	280	438	195	8 871	9 590
Managers and administrators, except farm	**9 398**	**316**	**287**	**151**	**395**	**501**	**675**	**1 398**	**2 885**	**2 790**	**11 692**	**12 121**
Buyers, purchasing agents, and sales managers	1 169	23	17	35	39	51	88	228	383	305	11 351	11 877
School administrators	314	13	18	-	5	3	6	26	163	80	12 638	12 275
Specified managers and administrators, public administration	369	4	6	6	19	37	20	102	141	34	9 814	9 924
Other specified managers and administrators	1 507	41	89	36	88	138	114	216	476	309	10 331	10 822
Managers and administrators, n.e.c., salaried	4 917	157	73	43	161	187	347	666	1 491	1 792	12 765	13 198
Manufacturing	1 736	42	18	11	25	11	51	176	552	850	14 837	15000+
Wholesale and retail trade	1 524	46	28	18	71	104	177	265	386	429	10 687	11 091
Transportation, communications, and other public utilities	295	12	10	4	5	4	29	42	100	89	12 075	12 237
All other industries	1 362	57	17	10	60	68	90	183	453	424	12 163	12 665
Managers and administrators, n.e.c., self-employed	1 122	78	84	31	83	85	100	160	231	270	9 250	9 489
Construction	157	6	10	10	10	4	11	27	49	30	10 051	11 042
Manufacturing	103	7	15	-	4	6	4	14	23	30	10 326	...
Wholesale and retail trade	676	44	59	5	58	65	78	92	139	136	8 630	8 826
All other industries	186	21	-	16	11	10	7	27	20	74	10 250	10 147
Sales workers	**5 711**	**645**	**451**	**204**	**321**	**455**	**643**	**832**	**1 264**	**896**	**8 328**	**9 435**
Insurance agents, brokers, and underwriters	836	27	37	30	66	67	89	116	196	208	9 759	11 290
Real estate agents and brokers	142	17	20	2	-	12	-	7	48	36	11 354	...
Sales representatives, manufacturing industries	746	22	20	11	25	49	43	124	276	176	11 431	12 185
Sales representatives, wholesale trade	1 087	32	31	40	35	101	202	226	269	151	8 907	9 405
Sales clerks, retail trade	1 388	388	225	57	100	115	165	119	158	61	5 240	7 007
Salesmen, retail trade	632	53	51	20	44	65	59	114	123	103	8 421	9 129
Salesmen of services and construction	310	21	30	13	4	11	21	50	103	57	10 243	11 044
Other sales workers	570	85	37	31	47	35	64	76	91	104	7 781	8 526
Clerical and kindred workers	**7 107**	**1 079**	**765**	**413**	**576**	**736**	**1 058**	**1 550**	**788**	**142**	**6 979**	**7 778**
Bank tellers and cashiers	301	107	50	16	15	24	27	35	18	9	3 740	6 354
Bookkeepers and billing clerks	381	44	36	15	44	35	67	73	49	18	7 246	7 592
Mail handlers and postal clerks	1 055	77	48	25	15	75	282	447	80	6	8 025	8 314
Other clerical and kindred workers	5 370	851	631	357	502	602	682	995	641	109	6 571	7 644
Craftsmen and kindred workers	**18 991**	**949**	**720**	**761**	**1 323**	**1 974**	**2 578**	**4 771**	**5 163**	**752**	**8 499**	**8 939**
Apparel craftsmen and upholsterers	170	26	15	21	36	13	10	32	5	12	5 639	5 783
Bakers	360	23	13	20	25	52	109	82	36	-	7 431	7 663
Cabinetmakers	82	-	-	14	6	18	9	15	20	-	...	...
Construction craftsmen	4 486	280	221	203	283	469	559	990	1 322	159	8 461	9 116
Carpenters	1 307	92	60	81	86	170	182	325	297	14	7 904	8 249
Excavating, grading, and road machine operators	508	24	29	14	28	49	75	119	130	40	8 588	8 797
Electricians	656	22	10	19	24	47	58	127	318	31	10 330	10 664
Masons and tile setters	393	19	13	12	10	52	57	85	130	15	8 788	9 710
Painters, construction and maintenance, and paperhangers	593	68	70	30	32	70	92	130	87	14	7 288	7 757
Plasterers and cement finishers	132	-	8	11	10	26	21	30	21	5	7 524	...
Plumbers and pipe fitters	590	24	11	16	51	32	59	115	251	31	9 774	10 390
Other construction craftsmen	307	31	20	20	42	23	15	59	88	9	8 085	9 844
Foremen, n.e.c.	3 099	74	39	68	80	204	289	780	1 278	287	10 061	10 344
Manufacturing	2 126	41	22	48	49	138	189	525	903	211	10 282	10 514
Nonmanufacturing industries	973	33	17	20	31	66	100	255	375	76	9 722	9 947
Linemen and servicemen, telephone and power	665	11	12	10	35	23	97	108	328	41	10 556	10 847
Locomotive engineers and firemen	34	4	-	-	-	-	-	5	25	-	...	...
Mechanics and repairmen	3 678	160	164	170	388	461	549	956	728	102	7 903	8 284
Air conditioning, heating, and refrigeration	217	17	-	5	16	13	61	60	40	5	7 943	8 273
Aircraft	17	4	-	5	4	-	-	-	4	-	...	...
Automobile, including body	1 418	70	105	78	163	183	177	358	236	48	7 621	7 944
Radio and television	159	6	-	11	21	16	20	43	42	-	8 256	8 351
Other mechanics and repairmen	1 867	63	59	71	184	249	291	495	406	49	8 067	8 513
Metal craftsmen, except mechanics	3 547	135	87	111	254	465	513	1 110	809	63	8 376	8 644
Machinists and job and die setters	1 726	48	47	75	179	213	246	577	333	8	8 191	8 516
Sheetmetal workers and tinsmiths	229	9	9	-	5	25	35	48	98	-	9 313	9 944
Tool and die makers	704	32	17	20	20	91	98	221	176	29	8 670	8 883
Other metal craftsmen	888	46	14	16	50	136	134	264	202	26	8 364	8 617
Printing craftsmen	672	61	32	34	43	58	100	189	138	17	8 085	8 546
Compositors and typesetters	319	28	13	23	19	21	43	106	61	5	8 236	8 553
Pressmen and plate printers, printing	281	22	19	7	24	37	47	59	60	6	7 670	8 083
Stationary engineers and power station operators	255	10	-	7	6	5	19	101	101	6	9 594	9 750
Other craftsmen and kindred workers	1 943	165	137	103	167	206	324	403	373	65	7 597	8 192

Table 175. **Occupation of the Male Experienced Civilian Labor Force by Earnings in 1969 and Race: 1970** — Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Males with earnings in 1969										Median earnings (dollars)	
	Total, 16 years old and over	$1 to $1,999 or loss	$2,000 to $3,999	$4,000 to $4,999	$5,000 to $5,999	$6,000 to $6,999	$7,000 to $7,999	$8,000 to $9,999	$10,000 to $14,999	$15,000 or more	All earners	Earners worked 50 to 52 weeks
WORCESTER SMSA — Continued												
Total — Continued												
Experienced civilian labor force — Continued												
Operatives, except transport	**14 209**	**1 746**	**1 286**	**974**	**1 371**	**1 614**	**1 825**	**3 195**	**2 075**	**123**	**7 062**	**7 912**
Assemblers	1 092	150	83	74	77	115	153	315	125	–	7 307	8 059
Checkers, examiners, and inspectors; manufacturing	1 020	55	32	23	79	110	151	362	204	4	8 331	8 608
Garage workers and gas station attendants	599	265	143	39	50	36	31	18	17	–	2 483	5 222
Laundry and drycleaning operatives, n.e.c	92	33	17	4	15	7	7	3	–	6	...	...
Meat cutters and butchers	289	26	4	20	41	34	43	66	47	8	7 453	8 076
Mine operatives, n.e.c	17	11	–	–	–	–	–	–	6	–	...	...
Packers and wrappers, except produce	459	120	84	36	53	61	34	50	21	–	4 708	6 071
Painters, manufactured articles	83	4	6	6	6	28	10	19	4	–	...	...
Precision machine operatives	1 397	76	79	67	115	172	268	440	172	8	7 707	8 290
Sawyers	98	12	5	13	–	13	14	32	9	–	...	...
Stationary firemen	248	13	–	10	22	30	39	79	55	–	8 253	8 500
Textile operatives	552	81	79	73	112	59	76	40	26	6	5 384	6 225
Welders and flamecutters	568	27	52	11	69	84	98	104	114	9	7 418	7 980
Other metalworking operatives	788	44	97	71	100	76	69	163	161	7	7 087	8 252
Other specified operatives	2 037	290	254	194	175	237	213	375	276	23	6 445	7 388
Miscellaneous and not specified operatives	4 870	539	351	333	457	552	619	1 129	838	52	7 328	8 174
Occupation:												
Machine operatives, miscellaneous specified	1 965	178	104	140	207	242	265	503	305	21	7 421	8 232
Machine operatives, not specified	1 104	127	118	69	105	133	135	220	191	6	7 000	7 848
Miscellaneous operatives	1 214	146	74	80	79	102	154	271	288	20	7 818	8 570
Not specified operatives	587	88	55	44	66	75	65	135	54	5	6 540	7 714
Industry:												
Manufacturing	4 407	471	317	298	385	486	562	1 066	776	46	7 439	8 256
Durable goods	3 586	341	245	190	270	356	505	932	716	31	7 774	8 481
Wood products, including furniture	99	40	15	9	5	12	6	6	6	–	...	...
Primary metal industries	903	46	47	9	78	70	158	244	241	10	8 357	8 847
Fabricated metal industries	451	92	53	36	42	72	91	41	24	–	6 035	7 018
Machinery, including electrical	765	56	63	70	47	105	124	175	114	11	7 335	7 904
Motor vehicles and equipment	46	–	–	10	–	–	18	13	5	–	...	...
Transportation equipment, except motor vehicles	43	–	–	–	6	5	5	12	15	–	...	...
Other durable goods	1 279	107	67	56	92	92	103	441	311	10	8 556	8 941
Nondurable goods	802	125	72	108	115	130	49	134	54	15	5 835	6 763
Food and kindred products	112	13	5	22	11	22	6	24	9	–	6 227	...
Apparel and other fabricated textile products	23	7	5	5	–	–	–	6	–	–	...	...
Paper and allied products	177	17	15	10	49	51	11	19	–	5	5 949	6 341
Chemicals and allied products	120	21	9	17	6	20	9	29	4	5	6 350	...
Other nondurable goods	370	67	38	54	49	37	23	56	41	5	5 531	7 196
Not specified manufacturing industries	19	5	–	–	–	–	8	–	6	–	...	...
Nonmanufacturing industries	463	68	34	35	72	66	57	63	62	6	6 341	7 250
Transportation, communications, and other public utilities	41	6	–	7	–	–	18	5	5	–	...	...
Wholesale and retail trade	273	38	29	22	31	42	34	40	37	–	6 393	7 870
All other industries	149	24	5	6	41	24	5	18	20	6	5 963	6 158
Transport equipment operatives	**5 165**	**367**	**393**	**286**	**428**	**655**	**639**	**1 064**	**1 251**	**82**	**7 710**	**8 410**
Bus drivers	277	30	24	17	37	30	53	56	30	–	7 009	7 697
Taxicab drivers and chauffeurs	181	21	14	23	30	28	19	5	35	6	6 089	6 917
Truck drivers and deliverymen	4 064	267	277	223	312	498	476	890	1 060	61	7 956	8 608
Other transport equipment operatives	643	49	78	23	49	99	91	113	126	15	7 258	7 900
Laborers, except farm	**4 935**	**1 511**	**717**	**387**	**498**	**475**	**499**	**520**	**289**	**39**	**4 619**	**6 614**
Construction laborers	1 106	165	133	102	124	144	171	223	30	14	6 201	7 134
Freight, stock, and material handlers	1 988	748	322	127	144	143	179	168	147	10	3 528	6 688
Other specified laborers	1 146	461	145	94	114	122	96	46	53	15	3 545	6 107
Miscellaneous and not specified laborers	695	137	117	64	116	66	53	83	59	–	5 254	6 486
Occupation:												
Miscellaneous laborers	243	46	20	9	47	28	22	52	19	–	5 989	7 265
Not specified laborers	452	91	97	55	69	38	31	31	40	–	4 691	5 798
Industry:												
Manufacturing	444	62	74	33	79	41	38	74	43	–	5 671	7 326
Durable goods	342	29	38	33	65	37	27	70	43	–	6 162	7 647
Wood products, including furniture	7	7	–	–	–	–	–	–	–	–	...	–
Metal industries	162	12	13	5	19	18	16	51	28	–	7 875	8 529
Machinery, including electrical	74	5	15	11	22	11	–	10	–	–	...	...
Transportation equipment	7	–	–	7	–	–	–	–	–	–	...	...
Other durable goods	92	5	10	10	24	8	11	9	15	–	...	...
Nondurable goods	102	33	36	–	14	4	11	4	–	–	3 000	...
Food and kindred products	17	13	–	–	–	4	–	–	–	–	...	–
Not specified manufacturing industries	–	–	–	–	–	–	–	–	–	–	–	–
Nonmanufacturing industries	251	75	43	31	37	25	15	9	16	–	4 242	5 662
Railroads and railway express service	12	7	5	–	–	–	–	–	–	–	...	–
Transportation, except railroads	11	–	7	–	–	–	–	4	–	–	...	...
Communications, and utilities and sanitary services	48	6	5	5	11	12	–	5	4	–	...	...
Wholesale and retail trade	62	26	16	–	9	–	5	–	6	–	...	...
All other industries	118	36	10	26	17	13	10	–	6	–	4 500	...
Farmers and farm managers	**391**	**62**	**66**	**54**	**51**	**11**	**46**	**20**	**38**	**43**	**5 265**	**4 991**
Farm laborers and farm foremen	**368**	**156**	**56**	**20**	**47**	**25**	**26**	**26**	–	**12**	**3 000**	**5 560**
Paid farm laborers and farm foremen	349	145	56	20	39	25	26	26	–	12	3 054	5 662
Unpaid family workers	19	11	–	–	8	–	–	–	–	–	...	...
Service workers, except private household[1]	**8 006**	**1 968**	**1 054**	**594**	**819**	**788**	**630**	**1 283**	**765**	**105**	**5 473**	**7 075**
Cleaning service workers	2 502	513	410	271	376	280	250	264	128	10	5 152	6 125
Food service workers	1 940	864	321	70	194	181	109	104	78	19	2 660	6 129
Cooks, except private household	749	192	103	38	126	96	76	61	38	19	5 329	6 493
Busboys and dishwashers	348	274	58	5	5	–	–	–	6	–	1 270	...
Health service workers	413	48	54	40	66	72	62	35	26	10	5 977	6 667
Personal service workers	608	153	107	75	77	63	34	54	33	12	4 587	5 739
Protective service workers	2 054	269	87	87	106	106	140	777	447	35	8 597	9 047
Firemen, fire protection	546	6	–	–	6	12	20	269	219	14	9 703	9 753
Guards and watchmen	649	153	67	72	63	76	49	114	45	10	5 516	6 735
Policemen and detectives	730	29	10	9	37	13	71	367	183	11	9 068	9 130
Private household workers	**27**	**21**	–	–	**6**	–	–	–	–	–	...	...

[1]Includes allocated cases not shown separately.

Table 176. Occupation of the Female Experienced Civilian Labor Force by Earnings in 1969 and Race: 1970

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Females with earnings in 1969											Median earnings (dollars)	
	Total, 16 years old and over	$1 to $499 or loss	$500 to $999	$1,000 to $1,999	$2,000 to $2,999	$3,000 to $3,999	$4,000 to $4,999	$5,000 to $5,999	$6,000 to $6,999	$7,000 to $9,999	$10,000 or more	All earners	Earners worked 50 to 52 weeks
THE STATE													
Total													
Experienced civilian labor force	**919 443**	**58 929**	**69 627**	**128 794**	**110 048**	**122 491**	**126 949**	**112 351**	**71 103**	**86 937**	**32 214**	**3 754**	**4 949**
Professional, technical, and kindred workers	**157 907**	**6 248**	**7 456**	**16 058**	**13 273**	**12 084**	**11 188**	**12 630**	**17 292**	**42 081**	**19 597**	**6 001**	**7 196**
Accountants	6 495	132	221	458	417	544	768	923	1 033	1 521	478	5 767	6 526
Computer specialists	2 379	18	43	114	98	127	176	155	239	812	597	7 811	8 848
Librarians	3 420	157	303	409	298	218	235	290	379	766	365	5 310	6 644
Mathematical specialists	477	5	14	21	28	9	69	58	74	143	56	6 466	7 128
Life and physical scientists	1 140	23	19	43	79	89	62	115	173	301	236	6 809	7 942
Registered nurses, dietitians, and therapists	38 546	945	1 337	3 366	3 581	3 858	3 705	3 803	3 780	11 010	3 161	5 652	7 281
Dietitians	1 292	41	37	91	171	162	136	136	86	301	131	5 059	6 333
Registered nurses	35 354	803	1 201	3 052	3 221	3 518	3 437	3 517	3 560	10 186	2 859	5 695	7 277
Health technologists and technicians	6 852	230	278	609	569	711	773	1 086	991	1 399	206	5 236	6 109
Social scientists	875	41	27	73	83	67	53	88	70	175	198	6 079	8 134
Social and recreation workers	5 075	222	288	380	444	410	311	355	468	1 676	521	6 272	7 975
Teachers: College and university	4 920	209	266	512	504	360	293	179	272	953	1 372	6 504	9 800
Elementary and prekindergarten	37 371	1 591	1 632	4 535	3 240	2 002	1 477	1 677	4 718	11 428	5 071	6 537	7 668
Secondary	16 001	533	780	1 913	1 216	886	657	556	1 800	4 882	2 778	6 811	7 755
Other teachers	4 055	581	463	653	347	258	225	203	262	735	328	2 952	7 501
Engineering and science technicians	3 429	114	118	253	176	297	444	677	546	603	201	5 462	6 166
Technicians, except health, and engineering and science	437	15	25	47	30	37	61	45	44	76	57	5 078	6 171
Writers, artists, and entertainers	7 437	675	719	920	727	681	598	683	635	1 172	627	3 995	5 980
Actors and dancers	175	22	19	33	22	31	–	10	–	38	–	2 614	...
Authors, editors, and reporters	2 534	131	147	241	192	193	232	276	259	574	289	5 475	6 597
Other professional, technical, and kindred workers	18 998	757	923	1 752	1 436	1 530	1 281	1 737	1 808	4 429	3 345	6 046	7 355
Managers and administrators, except farm	**28 836**	**869**	**727**	**2 071**	**2 026**	**2 484**	**2 828**	**3 750**	**3 121**	**6 142**	**4 818**	**5 910**	**6 574**
Buyers, purchasing agents, and sales managers	4 312	78	65	195	302	620	565	700	459	793	535	5 473	5 880
Restaurant, cafeteria, and bar managers	1 943	109	56	205	398	318	279	206	97	227	48	3 640	4 935
School administrators	2 421	76	46	474	136	129	88	84	124	340	924	7 472	7 944
Other specified managers and administrators	6 896	179	176	469	444	349	651	850	837	1 742	1 199	6 394	7 067
Managers and administrators, n.e.c., salaried	11 029	210	253	458	560	773	1 064	1 644	1 466	2 807	1 794	6 377	6 858
Wholesale and retail trade	3 390	73	104	137	232	401	426	497	446	642	432	5 648	6 128
Managers and administrators, n.e.c., self-employed	2 235	217	131	270	186	295	181	266	138	233	318	4 102	5 048
Wholesale and retail trade	1 427	153	85	206	97	205	138	128	102	139	174	3 841	4 689
Sales workers	**63 900**	**8 022**	**8 646**	**15 114**	**10 719**	**8 876**	**4 769**	**2 731**	**1 541**	**2 047**	**1 435**	**2 016**	**3 324**
Demonstrators, hucksters, and peddlers	1 322	335	316	197	168	110	76	37	26	42	15	1 051	2 793
Insurance, real estate agents, and brokers	4 307	160	185	477	434	329	394	595	458	621	654	5 293	5 997
Sales clerks, retail trade	47 104	6 290	6 871	12 247	8 411	7 137	3 378	1 328	530	619	293	1 848	3 065
Salesmen, retail trade	1 275	109	107	282	205	143	152	93	51	96	37	2 680	4 442
Other sales workers	9 892	1 128	1 167	1 911	1 501	1 157	769	678	476	669	436	2 493	3 875
Clerical and kindred workers	**335 456**	**17 441**	**22 225**	**40 620**	**35 997**	**38 972**	**56 359**	**59 824**	**34 511**	**25 689**	**3 818**	**4 221**	**5 159**
Bank tellers	6 684	161	326	616	851	1 037	1 799	1 142	434	290	28	4 195	4 688
Bookkeepers	39 122	1 158	1 520	3 906	3 800	4 732	7 175	7 634	4 627	3 716	854	4 620	5 176
Cashiers	20 263	2 642	3 444	5 528	3 589	2 155	1 274	887	449	237	58	1 732	3 087
Counter clerks, except food	4 314	306	521	742	632	630	577	518	226	138	24	2 930	4 197
Enumerators and interviewers	774	158	90	110	99	71	50	40	68	78	10	2 293	6 412
File clerks	11 032	1 074	1 355	2 062	1 412	1 360	1 744	1 165	544	269	47	2 726	4 568
Office machine operators	14 806	615	784	1 572	1 747	2 059	2 904	3 094	1 245	700	86	4 216	5 020
Bookkeeping and billing machine operators	1 604	64	82	158	194	273	338	335	102	53	5	4 092	4 752
Keypunch operators	9 710	418	497	983	1 212	1 353	1 935	2 038	835	379	60	4 203	5 010
Payroll and timekeeping clerks	4 293	44	104	246	357	463	925	1 028	626	463	37	5 007	5 400
Receptionists	6 876	615	596	1 027	766	864	1 302	1 143	357	163	43	3 502	4 635
Secretaries	86 594	2 207	3 377	6 744	7 200	8 842	14 766	19 607	12 943	9 870	1 038	5 008	5 557
Stenographers	2 543	46	80	104	188	178	342	802	484	291	28	5 416	5 699
Telephone operators	13 973	814	965	1 941	1 578	1 584	2 170	2 664	1 483	647	127	4 048	5 206
Typists	33 341	1 770	2 452	4 393	3 811	4 285	6 585	5 952	2 738	1 248	107	3 991	4 901
Other clerical and kindred workers	90 841	5 831	6 611	11 629	9 967	10 712	14 746	14 148	8 287	7 579	1 331	4 045	5 086
Craftsmen and kindred workers	**16 610**	**561**	**598**	**1 473**	**1 700**	**2 720**	**2 816**	**2 421**	**1 524**	**1 987**	**810**	**4 445**	**5 216**
Foremen, n.e.c.	4 626	17	45	171	255	579	857	903	705	811	283	5 431	5 745
Operatives, except transport	**159 046**	**6 556**	**8 535**	**17 705**	**23 088**	**37 614**	**33 278**	**20 322**	**7 452**	**3 817**	**679**	**3 628**	**4 385**
Assemblers	19 392	823	1 189	1 936	2 402	3 821	4 682	3 111	912	457	59	3 876	4 656
Bottling and canning operatives	282	47	44	47	4	49	50	30	11	–	–	2 750	4 329
Checkers, examiners, and inspectors; manufacturing	13 990	380	400	968	1 346	2 937	3 520	2 723	1 105	513	98	4 274	4 794
Dressmakers and seamstresses, except factory	2 277	128	231	481	399	416	306	158	98	49	11	2 748	3 652
Laundry and drycleaning operatives, including ironers	6 456	405	445	1 065	993	1 635	1 100	532	215	63	3	3 196	3 791
Graders and sorters, manufacturing	741	24	30	46	80	156	233	138	12	22	–	4 148	4 530
Packers and wrappers, except produce	16 595	1 094	1 440	2 497	2 212	3 864	2 970	1 518	637	312	51	3 273	4 162
Sewers and stitchers	33 295	894	1 167	3 816	6 498	9 598	6 557	3 166	1 000	477	122	3 445	4 065
Textile operatives	5 067	156	125	426	666	1 347	1 405	713	145	65	19	3 862	4 434
Other specified operatives	28 835	1 295	1 616	3 136	4 301	6 617	5 538	3 672	1 578	886	196	3 615	4 357
Miscellaneous and not specified operatives	32 116	1 310	1 848	3 287	4 187	7 174	6 917	4 561	1 739	973	120	3 756	4 489
Manufacturing	28 646	1 068	1 467	2 800	3 738	6 535	6 364	4 158	1 570	840	106	3 803	4 496
Durable goods	13 997	457	663	1 265	1 431	2 646	3 167	2 718	1 046	527	77	4 169	4 826
Machinery, including electrical	6 980	169	244	494	627	1 196	1 674	1 720	577	249	30	4 454	4 994
Other durable goods	7 017	288	419	771	804	1 450	1 493	998	469	278	47	3 846	4 628
Nondurable goods, including not specified manufacturing	14 649	611	804	1 535	2 307	3 889	3 197	1 440	524	313	29	3 532	4 176
Food and kindred products	1 041	46	55	148	92	242	254	114	52	38	–	3 742	4 196
Apparel and other fabricated textile products	3 201	143	170	400	838	1 023	431	102	61	28	5	3 048	3 622
Nonmanufacturing industries	3 470	242	381	487	449	639	553	403	169	133	14	3 275	4 410
Transport equipment operatives	**2 882**	**318**	**388**	**674**	**448**	**330**	**169**	**151**	**132**	**180**	**92**	**2 136**	**4 653**
Laborers, except farm	**6 464**	**569**	**657**	**1 197**	**870**	**1 210**	**866**	**544**	**221**	**255**	**75**	**2 930**	**3 951**
Farmers and farm managers	**455**	**90**	**36**	**72**	**42**	**27**	**43**	**32**	**45**	**27**	**41**	**2 702**	**3 917**
Farm laborers and farm foremen	**942**	**129**	**169**	**275**	**121**	**87**	**61**	**40**	**27**	**18**	**15**	**1 629**	**2 492**
Paid farm laborers and farm foremen	845	107	131	270	114	82	57	30	27	18	9	1 683	2 625
Unpaid family workers	97	22	38	5	7	5	4	10	–	–	6	...	...
Service workers, except private household[1]	**132 983**	**15 110**	**17 848**	**29 776**	**19 552**	**16 600**	**13 881**	**9 699**	**5 146**	**4 555**	**816**	**2 192**	**3 907**
Cleaning service workers	12 823	1 076	1 280	2 672	2 032	2 321	1 852	1 053	302	198	37	2 681	3 711
Chambermaids and maids	4 639	482	564	1 167	737	814	519	225	82	36	13	2 145	3 461
Food service workers	52 106	7 331	9 259	15 204	8 604	5 181	3 263	1 807	638	655	164	1 622	2 874
Cooks, except private household	7 940	549	620	1 903	1 649	1 185	1 046	576	222	171	19	2 545	3 991
Waiters and food counter workers	34 118	5 302	6 825	10 567	5 419	2 902	1 520	774	341	369	99	1 467	2 485
Health service workers	35 923	2 903	3 531	5 758	4 688	4 768	5 293	4 169	2 622	2 044	147	3 227	4 660
Nursing aides, orderlies, and attendants	18 540	1 697	2 211	3 480	2 863	2 752	2 710	1 649	833	295	50	2 657	4 151
Practical nurses	9 766	321	466	961	871	1 126	1 148	1 662	1 572	1 576	63	4 991	5 866
Personal service workers	19 473	2 123	1 923	3 046	2 602	3 004	2 318	1 866	1 162	1 079	350	3 014	4 227
Hairdressers and cosmetologists	9 789	593	643	1 520	1 546	1 866	1 362	879	565	554	261	3 318	4 011
Private household workers	**13 962**	**3 016**	**2 342**	**3 759**	**2 212**	**1 487**	**691**	**207**	**91**	**139**	**18**	**1 432**	**2 027**
Private household workers, living in	2 405	100	226	600	667	553	208	34	5	12	–	2 415	2 679
Private household workers, living out	11 557	2 916	2 116	3 159	1 545	934	483	173	86	127	18	1 236	1 840

[1]Includes protective service workers and allocated cases not shown separately.

Table 176. Occupation of the Female Experienced Civilian Labor Force by Earnings in 1969 and Race: 1970—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Females with earnings in 1969											Median earnings (dollars)	
	Total, 16 years old and over	$1 to $499 or loss	$500 to $999	$1,000 to $1,999	$2,000 to $2,999	$3,000 to $3,999	$4,000 to $4,999	$5,000 to $5,999	$6,000 to $6,999	$7,000 to $9,999	$10,000 or more	All earners	Earners worked 50 to 52 weeks
THE STATE—Continued													
Negro													
Experienced civilian labor force	**25 701**	**1 650**	**1 900**	**3 364**	**3 151**	**4 267**	**4 173**	**3 152**	**1 870**	**1 633**	**541**	**3 653**	**4 631**
Professional, technical, and kindred workers	**3 254**	**127**	**157**	**234**	**288**	**412**	**313**	**329**	**396**	**658**	**340**	**5 292**	**6 538**
Accountants	89	–	4	–	10	19	4	–	19	28	5	...	...
Computer specialists	52	–	–	5	7	9	–	–	5	21	5	...	...
Librarians	70	–	5	11	–	12	–	–	6	29	7	...	...
Mathematical specialists	–	–	–	–	–	–	–	–	–	–	–	–	–
Life and physical scientists	34	–	–	–	3	6	–	–	13	7	5	...	...
Registered nurses, dietitians, and therapists	866	18	40	67	88	102	80	122	127	164	58	5 311	6 358
Dietitians	103	6	–	4	16	25	10	16	5	16	5	4 050	...
Registered nurses	729	12	40	60	66	73	63	106	122	134	53	5 476	6 422
Health technologists and technicians	181	9	8	4	11	22	23	37	30	32	5	5 365	6 019
Social scientists	10	–	–	–	–	4	–	–	6	–	–	...	...
Social and recreation workers	270	10	25	23	30	46	22	29	49	20	16	4 045	5 771
Teachers: College and university	44	4	15	5	6	–	–	–	–	5	9	...	...
Elementary and prekindergarten	664	32	17	67	64	60	79	65	43	139	98	5 200	6 818
Secondary	179	5	3	5	–	34	13	–	16	66	37	7 614	...
Other teachers	37	3	5	8	–	4	3	5	9	–	–	...	...
Engineering and science technicians	132	11	9	6	–	–	33	6	22	33	12	6 045	...
Technicians, except health, and engineering and science	12	–	–	–	–	–	–	–	5	–	7	...	...
Writers, artists, and entertainers	130	13	17	10	20	11	6	24	12	17	–	3 455	...
Actors and dancers	29	9	–	–	9	–	–	5	–	6	–	...	...
Authors, editors, and reporters	18	–	7	–	–	–	–	5	–	6	–	...	...
Other professional, technical, and kindred workers	484	22	9	23	49	83	50	41	34	97	76	5 146	7 037
Managers and administrators, except farm	**447**	**17**	**9**	**55**	**38**	**74**	**40**	**68**	**41**	**59**	**46**	**4 763**	**5 611**
Buyers, purchasing agents, and sales managers	57	–	–	3	–	21	4	24	5	–	–	...	...
Restaurant, cafeteria, and bar managers	20	–	–	–	5	6	–	5	–	4	–	...	...
School administrators	57	7	–	13	–	5	–	–	6	16	10	...	...
Other specified managers and administrators	157	5	3	22	24	5	24	18	20	12	24	4 813	...
Managers and administrators, n.e.c., salaried	153	5	6	17	9	37	12	21	10	27	9	4 208	...
Wholesale and retail trade	22	–	–	–	–	16	6	–	–	–	–	...	...
Managers and administrators, n.e.c., self-employed	3	–	–	–	–	–	–	–	–	–	3	...	...
Wholesale and retail trade	–	–	–	–	–	–	–	–	–	–	–	–	–
Sales workers	**722**	**124**	**69**	**122**	**104**	**120**	**88**	**36**	**42**	**5**	**12**	**2 442**	**3 466**
Demonstrators, hucksters, and peddlers	21	11	–	3	7	–	–	–	–	–	–	...	...
Insurance, real estate agents, and brokers	50	6	–	15	7	5	5	–	12	–	–	...	...
Sales clerks, retail trade	467	87	46	80	53	94	54	36	11	–	6	2 387	3 294
Salesmen, retail trade	15	–	5	–	–	–	5	–	5	–	–	...	...
Other sales workers	169	20	18	24	37	21	24	–	14	5	6	2 608	...
Clerical and kindred workers	**8 133**	**462**	**608**	**1 112**	**887**	**1 140**	**1 400**	**1 196**	**764**	**495**	**69**	**3 875**	**4 967**
Bank tellers	106	4	–	10	4	29	24	24	8	3	–	4 250	...
Bookkeepers	400	10	26	33	54	48	57	79	52	41	–	4 509	5 174
Cashiers	265	34	44	57	35	34	10	36	11	4	–	1 956	...
Counter clerks, except food	68	–	10	11	7	8	–	20	6	6	–	...	...
Enumerators and interviewers	32	5	12	–	–	–	–	–	–	15	–	...	...
File clerks	634	41	90	105	65	113	124	56	24	16	–	3 142	4 559
Office machine operators	700	20	18	68	100	132	138	128	68	17	11	4 087	4 789
Bookkeeping and billing machine operators	28	–	–	–	5	9	9	5	–	–	–	...	...
Keypunch operators	564	10	14	64	88	105	112	102	58	5	6	4 009	4 696
Payroll and timekeeping clerks	49	–	–	–	5	–	19	14	7	4	–	...	...
Receptionists	207	11	25	23	33	47	31	13	24	–	–	3 245	...
Secretaries	1 387	50	85	146	83	129	256	281	205	140	12	4 783	5 533
Stenographers	43	–	–	–	–	–	12	10	12	9	–	...	...
Telephone operators	436	34	50	79	69	76	83	24	12	9	–	2 797	4 318
Typists	1 036	72	57	168	127	136	176	152	72	70	6	3 691	4 948
Other clerical and kindred workers	2 770	181	191	412	305	388	470	359	263	161	40	3 763	4 944
Craftsmen and kindred workers	**368**	**5**	**13**	**20**	**24**	**81**	**61**	**72**	**41**	**48**	**3**	**4 672**	**4 793**
Foremen, n.e.c	98	–	5	–	–	20	8	22	12	31	–	...	...
Operatives, except transport	**5 126**	**300**	**299**	**466**	**713**	**1 117**	**1 086**	**662**	**317**	**140**	**26**	**3 703**	**4 482**
Assemblers	731	43	57	85	70	128	192	96	30	21	9	3 863	4 561
Bottling and canning operatives	40	4	16	–	4	4	12	–	–	–	–	...	...
Checkers, examiners, and inspectors; manufacturing	396	22	3	15	25	68	105	96	51	11	–	4 619	5 213
Dressmakers and seamstresses, except factory	49	–	7	14	10	–	13	5	–	–	–	...	...
Laundry and drycleaning operatives, including ironers	634	22	34	82	80	179	141	70	26	–	–	3 553	4 103
Graders and sorters, manufacturing	7	4	–	–	–	–	3	–	–	–	–	...	...
Packers and wrappers, except produce	459	58	32	63	52	121	68	37	16	5	7	3 202	3 936
Sewers and stitchers	627	29	28	44	137	157	147	27	35	23	–	3 481	4 122
Textile operatives	58	–	–	6	5	18	12	15	2	–	–	...	...
Other specified operatives	1 040	75	57	70	170	181	188	202	63	28	6	3 818	4 564
Miscellaneous and not specified operatives	1 085	43	65	87	160	261	205	114	94	52	4	3 718	4 627
Manufacturing	934	31	55	75	148	208	167	109	94	43	4	3 760	4 842
Durable goods	589	15	42	46	86	104	125	68	56	43	4	4 012	5 017
Machinery, including electrical	276	9	13	15	35	42	79	44	18	17	4	4 304	5 026
Other durable goods	313	6	29	31	51	62	46	24	38	26	–	3 637	5 000
Nondurable goods, including not specified manufacturing	345	16	13	29	62	104	42	41	38	–	–	3 505	4 320
Food and kindred products	36	–	–	–	–	9	11	6	10	–	–	...	...
Apparel and other fabricated textile products	43	5	–	12	12	10	–	–	4	–	–	...	...
Nonmanufacturing industries	151	12	10	12	12	53	38	5	–	9	–	3 557	...
Transport equipment operatives	**42**	**4**	**–**	**7**	**8**	**9**	**7**	**–**	**–**	**7**	**–**	...	...
Laborers, except farm	**265**	**25**	**21**	**18**	**21**	**51**	**67**	**22**	**21**	**9**	**10**	**3 931**	**4 633**
Farmers and farm managers	**19**	**–**	**–**	**5**	**–**	**5**	**–**	**–**	**4**	**–**	**5**	...	...
Farm laborers and farm foremen	**34**	**–**	**13**	**12**	**–**	**5**	**4**	**–**	**–**	**–**	**–**	...	...
Paid farm laborers and farm foremen	34	–	13	12	–	5	4	–	–	–	–	...	...
Unpaid family workers	–	–	–	–	–	–	–	–	–	–	–	–	–
Service workers, except private household[1]	**5 481**	**374**	**454**	**774**	**738**	**960**	**1 013**	**715**	**234**	**193**	**26**	**3 417**	**4 177**
Cleaning service workers	912	94	44	192	140	213	144	41	23	16	5	2 900	3 540
Chambermaids and maids	259	35	18	64	32	60	36	4	10	–	–	2 391	3 577
Food service workers	739	48	119	127	84	78	148	79	36	20	–	2 899	4 392
Cooks, except private household	228	–	35	28	16	26	64	26	28	5	–	4 141	...
Waiters and food counter workers	289	22	62	76	37	16	34	24	8	10	–	1 796	...
Health service workers	2 372	102	155	222	293	442	482	437	132	94	13	3 937	4 509
Nursing aides, orderlies, and attendants	1 610	87	111	182	209	286	360	291	57	14	13	3 755	4 381
Practical nurses	498	–	15	21	45	111	64	103	64	75	–	4 891	5 523
Personal service workers	777	70	87	102	102	145	125	82	33	31	–	3 190	3 736
Hairdressers and cosmetologists	246	6	34	20	43	42	23	30	25	23	–	3 476	...
Private household workers	**1 810**	**212**	**257**	**539**	**330**	**293**	**94**	**52**	**10**	**19**	**4**	**1 809**	**2 311**
Private household workers, living in	351	15	37	78	134	64	15	8	–	–	–	2 340	2 805
Private household workers, living out	1 459	197	220	461	196	229	79	44	10	19	4	1 678	1 998

[1]Includes protective service workers and allocated cases not shown separately.

Table 176. **Occupation of the Female Experienced Civilian Labor Force by Earnings in 1969 and Race: 1970**—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Females with earnings in 1969											Median earnings (dollars)	
	Total, 16 years old and over	$1 to $499 or loss	$500 to $999	$1,000 to $1,999	$2,000 to $2,999	$3,000 to $3,999	$4,000 to $4,999	$5,000 to $5,999	$6,000 to $6,999	$7,000 to $9,999	$10,000 or more	All earners	Earners worked 50 to 52 weeks
THE STATE—Continued													
Persons of Spanish Language													
Experienced civilian labor force	**7 517**	**461**	**639**	**936**	**1 169**	**1 298**	**1 241**	**703**	**359**	**546**	**165**	**3 426**	**4 441**
Professional, technical, and kindred workers	**1 075**	**59**	**70**	**107**	**108**	**99**	**112**	**67**	**85**	**278**	**90**	**4 844**	**7 087**
Accountants	12	-	7	-	-	-	-	-	5	-	-	...	...
Computer specialists	37	-	-	-	8	-	6	-	-	23	-	...	...
Librarians	41	-	13	-	7	-	-	-	8	-	13	...	...
Mathematical specialists	-	-	-	-	-	-	-	-	-	-	-	-	-
Life and physical scientists	13	-	-	-	-	-	-	-	-	13	-	...	...
Registered nurses, dietitians, and therapists	117	-	14	14	10	24	6	-	19	24	6	3 854	...
Dietitians	7	-	-	-	-	7	-	-	-	-	-	...	...
Registered nurses	105	-	14	14	10	17	6	-	19	19	6	3 853	...
Health technologists and technicians	52	-	-	-	2	12	18	8	-	12	-	...	...
Social scientists	8	-	-	-	-	-	-	4	-	4	-	...	...
Social and recreation workers	51	-	-	-	13	7	-	11	-	20	-	...	...
Teachers: College and university	129	-	13	20	15	-	11	13	14	30	13	5 423	...
Elementary and prekindergarten	145	7	8	23	26	6	7	-	6	62	-	4 357	...
Secondary	114	11	-	-	27	6	30	-	17	23	-	4 433	...
Other teachers	37	20	-	-	-	-	12	-	-	5	-	...	-
Engineering and science technicians	43	7	-	5	-	14	-	10	-	-	7	...	...
Technicians, except health, and engineering and science	-	-	-	-	-	-	-	-	-	-	-	-	-
Writers, artists, and entertainers	64	5	-	13	-	17	7	6	8	8	-	...	...
Actors and dancers	6	-	-	-	-	-	-	6	-	-	-	...	-
Authors, editors, and reporters	8	-	-	-	-	-	-	-	-	8	-	...	...
Other professional, technical, and kindred workers	212	9	15	32	-	13	15	15	8	54	51	6 875	8 375
Managers and administrators, except farm	**133**	**-**	**10**	**28**	**9**	**20**	**20**	**6**	**5**	**16**	**19**	**3 975**	...
Buyers, purchasing agents, and sales managers	6	-	-	-	-	-	-	6	-	-	-	...	...
Restaurant, cafeteria, and bar managers	-	-	-	-	-	-	-	-	-	-	-	-	-
School administrators	25	-	-	-	-	6	-	-	-	11	8	...	...
Other specified managers and administrators	35	-	6	5	9	6	-	-	5	-	4	...	...
Managers and administrators, n.e.c., salaried	52	-	4	13	-	8	15	-	-	5	7	...	...
Wholesale and retail trade	19	-	4	7	-	8	-	-	-	-	-	...	-
Managers and administrators, n.e.c., self-employed	15	-	-	10	-	-	5	-	-	-	-	...	...
Wholesale and retail trade	10	-	-	10	-	-	-	-	-	-	-	...	-
Sales workers	**315**	**49**	**66**	**49**	**69**	**27**	**20**	**14**	**6**	**-**	**15**	**1 867**	**3 447**
Demonstrators, hucksters, and peddlers	7	-	-	-	7	-	-	-	-	-	-	...	...
Insurance, real estate agents, and brokers	38	-	5	-	11	8	7	-	-	-	7	...	...
Sales clerks, retail trade	225	43	50	49	51	19	13	-	-	-	-	1 398	...
Salesmen, retail trade	-	-	-	-	-	-	-	-	-	-	-	-	-
Other sales workers	45	6	11	-	-	-	-	14	6	-	8	...	...
Clerical and kindred workers	**2 207**	**149**	**159**	**267**	**310**	**308**	**394**	**282**	**165**	**157**	**16**	**3 709**	**4 987**
Bank tellers	32	-	-	4	-	4	16	8	-	-	-	...	...
Bookkeepers	257	13	12	18	54	33	36	46	6	23	16	3 955	5 326
Cashiers	122	37	13	23	13	29	7	-	-	-	-	1 478	...
Counter clerks, except food	35	7	15	-	-	9	4	-	-	-	-	...	...
Enumerators and interviewers	-	-	-	-	-	-	-	-	-	-	-	-	-
File clerks	111	7	-	37	-	13	33	16	-	5	-	3 885	...
Office machine operators	148	18	17	21	17	15	33	8	11	8	-	3 067	...
Bookkeeping and billing machine operators	7	-	-	-	-	-	7	-	-	-	-	...	...
Keypunch operators	113	11	10	14	17	15	19	8	11	8	-	3 300	...
Payroll and timekeeping clerks	25	-	-	-	-	-	5	-	20	-	-	...	...
Receptionists	69	22	21	7	11	-	8	-	-	-	-	...	...
Secretaries	545	-	23	57	67	80	105	83	58	72	-	4 433	5 669
Stenographers	6	-	-	-	-	-	6	-	-	-	-	...	-
Telephone operators	35	-	6	7	-	-	13	9	-	-	-	...	...
Typists	284	17	29	30	55	69	58	7	6	13	-	3 159	4 336
Other clerical and kindred workers	538	28	23	63	93	56	70	105	64	36	-	4 086	5 396
Craftsmen and kindred workers	**103**	**-**	**12**	**28**	**6**	**32**	**8**	**4**	**-**	**13**	**-**	**3 172**	...
Foremen, n.e.c.	20	-	-	-	-	7	-	-	-	13	-	...	...
Operatives, except transport	**2 323**	**98**	**160**	**247**	**403**	**603**	**514**	**189**	**59**	**32**	**18**	**3 420**	**4 047**
Assemblers	241	-	22	29	31	82	70	7	-	-	-	3 470	4 100
Bottling and canning operatives	-	-	-	-	-	-	-	-	-	-	-	-	-
Checkers, examiners, and inspectors, manufacturing	118	5	10	6	22	25	37	10	3	-	-	3 640	...
Dressmakers and seamstresses, except factory	25	-	-	-	-	15	4	-	6	-	-	...	...
Laundry and drycleaning operatives, including ironers	151	6	12	16	23	46	26	18	-	-	4	3 402	...
Graders and sorters, manufacturing	11	-	-	5	6	-	-	-	-	-	-	...	...
Packers and wrappers, except produce	241	12	14	46	44	69	34	22	-	-	-	3 065	...
Sewers and stitchers	609	33	48	73	129	144	121	30	17	14	-	3 149	3 915
Textile operatives	72	-	8	-	-	21	30	13	-	-	-	...	...
Other specified operatives	411	13	22	45	77	110	72	47	8	10	7	3 441	3 871
Miscellaneous and not specified operatives	444	29	24	27	71	91	120	42	25	8	7	3 780	4 417
Manufacturing	340	21	24	-	71	79	86	26	18	8	7	3 684	4 290
Durable goods	189	15	10	-	45	35	51	19	7	-	7	3 700	...
Machinery, including electrical	52	-	-	-	16	9	12	15	-	-	-	...	...
Other durable goods	137	15	10	-	29	26	39	4	7	-	7	3 558	...
Nondurable goods, including not specified manufacturing	151	6	14	-	26	44	35	7	11	8	-	3 670	...
Food and kindred products	9	-	-	-	9	-	-	-	-	-	-	...	-
Apparel and other fabricated textile products	20	-	-	-	-	13	-	7	-	-	-	...	...
Nonmanufacturing industries	104	8	-	27	-	12	34	16	7	-	-	4 147	...
Transport equipment operatives	**16**	**-**	**-**	**8**	**-**	**-**	**-**	**-**	**8**	**-**	**-**	...	-
Laborers, except farm	**59**	**-**	**13**	**-**	**14**	**14**	**18**	**-**	**-**	**-**	**-**	...	...
Farmers and farm managers	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	-	-
Farm laborers and farm foremen	**56**	**-**	**26**	**15**	**5**	**10**	**-**	**-**	**-**	**-**	**-**	...	...
Paid farm laborers and farm foremen	56	-	26	15	5	10	-	-	-	-	-	...	...
Unpaid family workers	-	-	-	-	-	-	-	-	-	-	-	-	-
Service workers, except private household[1]	**971**	**92**	**108**	**119**	**165**	**112**	**146**	**141**	**31**	**50**	**7**	**3 013**	**4 389**
Cleaning service workers	184	11	23	17	34	16	67	16	-	-	-	3 438	...
Chambermaids and maids	36	5	-	8	13	6	-	4	-	-	-	...	...
Food service workers	198	39	35	46	15	27	23	5	-	8	-	1 543	...
Cooks, except private household	25	-	-	14	8	3	-	-	-	-	-	...	-
Waiters and food counter workers	148	39	25	24	7	24	16	5	-	8	-	1 417	...
Health service workers	384	-	25	42	97	50	44	92	20	14	-	3 560	4 367
Nursing aides, orderlies, and attendants	261	-	13	37	69	25	35	56	20	6	-	3 460	4 483
Practical nurses	75	-	5	-	15	10	9	36	-	-	-	...	...
Personal service workers	159	42	7	14	14	13	7	24	11	20	7	3 192	...
Hairdressers and cosmetologists	78	7	-	7	-	13	7	18	6	13	7	...	...
Private household workers	**259**	**14**	**15**	**68**	**80**	**73**	**9**	**-**	**-**	**-**	**-**	**2 406**	**2 797**
Private household workers, living in	145	-	5	24	67	40	9	-	-	-	-	2 649	...
Private household workers, living out	114	14	10	44	13	33	-	-	-	-	-	1 750	...

[1]Includes protective service workers and allocated cases not shown separately.

Table 176. **Occupation of the Female Experienced Civilian Labor Force by Earnings in 1969 and Race: 1970**—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Females with earnings in 1969											Median earnings (dollars)	
	Total, 16 years old and over	$1 to $499 or loss	$500 to $999	$1,000 to $1,999	$2,000 to $2,999	$3,000 to $3,999	$4,000 to $4,999	$5,000 to $5,999	$6,000 to $6,999	$7,000 to $9,999	$10,000 or more	All earners	Earners worked 50 to 52 weeks
BOSTON SMSA													
Total													
Experienced civilian labor force	**461 079**	**28 411**	**33 938**	**62 374**	**51 041**	**52 949**	**58 446**	**59 627**	**41 518**	**51 948**	**20 827**	**4 031**	**5 296**
Professional, technical, and kindred workers	**87 690**	**3 376**	**3 879**	**8 178**	**7 031**	**6 612**	**5 510**	**6 936**	**9 493**	**23 502**	**13 173**	**6 245**	**7 614**
Accountants	3 238	58	75	198	162	257	343	488	503	852	302	6 076	6 734
Computer specialists	1 800	11	21	98	63	107	129	104	146	654	467	8 014	9 050
Librarians	1 914	67	124	194	136	118	127	175	229	488	256	6 070	7 418
Mathematical specialists	339	–	9	21	18	5	31	37	52	115	51	6 933	7 826
Life and physical scientists	825	15	6	39	57	61	48	55	116	230	198	7 202	8 406
Registered nurses, dietitians, and therapists	19 651	492	694	1 648	1 713	1 803	1 516	1 748	1 717	6 249	2 071	6 123	7 794
Dietitians	804	27	22	55	144	90	84	69	51	186	76	4 762	6 158
Registered nurses	17 659	417	607	1 446	1 440	1 616	1 355	1 598	1 581	5 728	1 871	6 222	7 831
Health technologists and technicians	4 006	135	147	372	252	414	365	638	623	894	166	5 498	6 354
Social scientists	690	41	18	69	73	56	34	69	50	142	138	5 783	8 212
Social and recreation workers	3 484	130	167	280	311	307	217	243	347	1 061	421	6 251	7 902
Teachers: College and university	3 081	109	144	327	381	224	224	115	190	549	818	6 087	9 567
Elementary and prekindergarten	19 008	825	728	2 019	1 637	1 042	717	902	2 461	5 324	3 353	6 664	7 938
Secondary	8 121	259	418	836	629	473	326	340	883	2 346	1 611	6 883	8 020
Other teachers	2 393	344	264	360	175	140	144	111	163	445	247	3 382	8 106
Engineering and science technicians	2 040	61	65	135	89	170	185	408	374	391	162	5 772	6 452
Technicians, except health, and engineering and science	231	–	15	21	16	13	20	31	38	40	37	5 984	6 741
Writers, artists, and entertainers	4 824	390	386	510	426	480	367	478	413	880	494	4 599	6 620
Actors and dancers	129	17	11	27	22	19	–	5	–	28	–	2 432	...
Authors, editors, and reporters	1 870	71	97	161	94	152	156	210	202	469	258	5 971	7 251
Other professional, technical, and kindred workers	12 045	439	598	1 051	893	942	717	994	1 188	2 842	2 381	6 327	7 754
Managers and administrators, except farm	**15 306**	**381**	**391**	**914**	**891**	**1 024**	**1 241**	**1 888**	**1 900**	**3 728**	**2 948**	**6 486**	**7 195**
Buyers, purchasing agents, and sales managers	2 348	43	28	83	150	218	233	374	316	592	311	6 142	6 609
Restaurant, cafeteria, and bar managers	763	35	32	61	114	91	136	116	47	108	23	4 357	5 763
School administrators	1 237	38	26	209	80	84	41	35	65	190	469	7 639	8 697
Other specified managers and administrators	3 964	84	126	233	252	192	273	414	552	1 027	811	6 739	7 475
Managers and administrators, n.e.c., salaried	6 219	97	139	230	245	368	469	848	883	1 751	1 189	6 808	7 484
Wholesale and retail trade	1 744	28	58	72	99	173	147	249	244	344	330	6 189	6 755
Managers and administrators, n.e.c., self-employed	775	84	40	98	50	71	89	101	37	60	145	4 500	5 409
Wholesale and retail trade	479	53	20	74	31	40	60	50	26	42	83	4 358	5 467
Sales workers	**34 306**	**4 224**	**4 541**	**8 008**	**5 318**	**4 609**	**2 783**	**1 638**	**1 029**	**1 273**	**883**	**2 071**	**3 542**
Demonstrators, hucksters, and peddlers	452	100	98	66	62	38	36	25	4	23	–	1 424	3 206
Insurance, real estate agents, and brokers	2 639	98	112	230	256	174	229	416	313	411	400	5 530	6 259
Sales clerks, retail trade	25 365	3 486	3 718	6 629	4 135	3 745	2 023	777	330	369	153	1 826	3 227
Salesmen, retail trade	664	54	77	158	110	42	88	32	41	44	18	2 391	4 472
Other sales workers	5 186	486	536	925	755	610	407	388	341	426	312	2 856	4 232
Clerical and kindred workers	**191 584**	**9 644**	**12 436**	**22 505**	**19 302**	**19 423**	**29 007**	**35 249**	**22 843**	**18 552**	**2 623**	**4 430**	**5 406**
Bank tellers	3 208	81	103	303	383	373	761	657	303	229	15	4 474	4 990
Bookkeepers	20 796	570	789	2 026	1 786	2 112	3 267	4 195	2 951	2 565	535	4 953	5 514
Cashiers	10 504	1 364	1 750	2 878	1 772	1 074	660	585	238	152	31	1 743	3 213
Counter clerks, except food	2 515	203	320	383	315	331	351	334	149	109	20	3 110	4 539
Enumerators and interviewers	520	83	64	73	70	60	35	27	41	57	10	2 571	6 573
File clerks	7 423	754	976	1 346	924	847	1 127	822	382	214	31	2 688	4 670
Office machine operators	8 418	289	439	881	876	1 073	1 518	1 880	906	496	60	4 429	5 203
Bookkeeping and billing machine operators	993	49	41	109	110	133	188	263	63	37	–	4 290	5 044
Keypunch operators	5 383	183	252	529	579	699	966	1 208	649	273	45	4 465	5 215
Payroll and timekeeping clerks	2 010	21	26	120	202	197	303	493	334	288	26	5 276	5 712
Receptionists	3 952	303	348	582	433	442	700	719	279	125	21	3 701	4 888
Secretaries	53 253	1 250	1 960	3 975	4 149	4 715	7 736	12 288	8 922	7 470	788	5 231	5 784
Stenographers	1 439	24	45	49	127	89	126	420	293	238	28	5 618	5 945
Telephone operators	7 900	457	546	1 035	947	757	1 233	1 498	894	467	66	4 169	5 322
Typists	19 920	1 091	1 415	2 776	2 249	2 131	3 676	3 664	1 963	891	64	4 081	5 083
Other clerical and kindred workers	49 726	3 154	3 655	6 078	5 069	5 222	7 514	7 667	5 188	5 251	928	4 224	5 327
Craftsmen and kindred workers	**6 142**	**187**	**231**	**545**	**538**	**807**	**1 058**	**895**	**586**	**885**	**410**	**4 721**	**5 388**
Foremen, n.e.c.	1 740	–	14	49	91	132	325	331	313	377	108	5 782	6 000
Operatives, except transport	**51 923**	**2 156**	**2 973**	**5 912**	**6 965**	**11 086**	**10 936**	**7 296**	**2 845**	**1 496**	**258**	**3 718**	**4 488**
Assemblers	7 456	264	427	686	794	1 406	1 966	1 319	411	155	28	4 077	4 727
Bottling and canning operatives	174	14	38	14	4	23	45	25	11	–	–	3 739	...
Checkers, examiners, and inspectors; manufacturing	4 263	74	133	284	368	724	992	970	423	243	52	4 553	5 105
Dressmakers and seamstresses, except factory	1 278	67	119	277	154	245	180	108	80	43	5	3 090	4 136
Laundry and drycleaning operatives, including ironers	2 617	161	158	424	370	641	471	301	71	17	3	3 305	3 897
Graders and sorters, manufacturing	119	13	–	12	6	18	27	32	7	4	–	4 389	...
Packers and wrappers, except produce	6 678	466	615	918	803	1 399	1 236	688	358	176	19	3 384	4 295
Sewers and stitchers	10 017	263	410	1 358	1 813	2 640	2 001	1 013	330	141	48	3 441	4 109
Textile operatives	300	6	7	25	25	85	73	52	22	5	–	4 027	4 597
Other specified operatives	9 466	468	568	994	1 480	1 875	1 811	1 275	554	364	77	3 652	4 429
Miscellaneous and not specified operatives	9 555	360	498	920	1 148	2 030	2 134	1 513	578	348	26	3 912	4 585
Manufacturing	8 044	228	349	680	950	1 752	1 902	1 342	524	291	26	4 033	4 616
Durable goods	4 328	105	167	346	428	775	1 021	927	342	197	20	4 336	4 926
Machinery, including electrical	2 699	54	77	166	298	459	703	666	180	91	5	4 420	4 881
Other durable goods	1 629	51	90	180	130	316	318	261	162	106	15	4 149	5 039
Nondurable goods, including not specified manufacturing	3 716	123	182	334	522	977	881	415	182	94	6	3 713	4 282
Food and kindred products	706	35	20	89	61	193	174	69	34	31	–	3 767	4 131
Apparel and other fabricated textile products	433	5	20	61	104	121	65	38	15	4	–	3 219	3 948
Nonmanufacturing industries	1 511	132	149	240	198	278	232	171	54	57	–	3 131	4 362
Transport equipment operatives	**1 151**	**102**	**145**	**207**	**176**	**197**	**57**	**57**	**83**	**83**	**44**	**2 690**	**5 149**
Laborers, except farm	**2 689**	**247**	**271**	**489**	**337**	**437**	**391**	**261**	**108**	**100**	**48**	**3 001**	**4 275**
Farmers and farm managers	**142**	**32**	**4**	**20**	**17**	**5**	**18**	**6**	**30**	**5**	**5**	**2 882**	**4 042**
Farm laborers and farm foremen	**238**	**15**	**33**	**97**	**23**	**15**	**4**	**14**	**13**	**9**	**15**	**1 732**	...
Paid farm laborers and farm foremen	232	15	33	97	23	15	4	14	13	9	9	1 701	...
Unpaid family workers	6	–	–	–	–	–	–	–	–	–	6	...	–
Service workers, except private household[1]	**62 509**	**6 672**	**7 985**	**13 583**	**9 179**	**7 681**	**6 960**	**5 266**	**2 542**	**2 239**	**402**	**2 328**	**3 991**
Cleaning service workers	5 887	426	503	1 069	1 022	1 040	964	589	166	84	24	2 925	3 788
Chambermaids and maids	1 929	194	188	415	347	351	270	108	35	12	9	2 483	3 443
Food service workers	24 137	3 092	4 169	6 900	4 070	2 543	1 652	971	316	335	89	1 697	2 908
Cooks, except private household	2 970	228	195	649	611	462	434	222	86	73	10	2 676	4 022
Waiters and food counter workers	16 599	2 261	3 202	5 094	2 782	1 492	834	485	206	184	59	1 557	2 526
Health service workers	16 440	1 436	1 537	2 518	2 046	1 962	2 604	2 195	1 175	887	80	3 348	4 753
Nursing aides, orderlies, and attendants	8 615	810	951	1 517	1 283	1 151	1 432	934	371	135	31	2 802	4 326
Practical nurses	3 796	70	162	334	312	418	414	729	678	645	34	5 258	5 968
Personal service workers	9 417	909	930	1 365	1 153	1 411	1 114	1 078	641	670	146	3 249	4 481
Hairdressers and cosmetologists	4 011	192	235	584	643	775	620	414	222	252	74	3 454	3 998
Private household workers	**7 399**	**1 375**	**1 049**	**1 916**	**1 264**	**1 053**	**481**	**121**	**46**	**76**	**18**	**1 666**	**2 420**
Private household workers, living in	1 779	58	141	368	513	464	189	29	5	12	–	2 629	2 971
Private household workers, living out	5 620	1 317	908	1 548	751	589	292	92	41	64	18	1 378	1 998

[1]Includes protective service workers and allocated cases not shown separately.

Table 176. **Occupation of the Female Experienced Civilian Labor Force by Earnings in 1969 and Race: 1970**—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Females with earnings in 1969											Median earnings (dollars)	
	Total, 16 years old and over	$1 to $499 or loss	$500 to $999	$1,000 to $1,999	$2,000 to $2,999	$3,000 to $3,999	$4,000 to $4,999	$5,000 to $5,999	$6,000 to $6,999	$7,000 to $9,999	$10,000 or more	All earners	Earners worked 50 to 52 weeks
BOSTON SMSA—Continued													
Negro													
Experienced civilian labor force	**19 379**	**1 136**	**1 375**	**2 364**	**2 313**	**3 062**	**3 324**	**2 549**	**1 520**	**1 283**	**453**	**3 817**	**4 722**
Professional, technical, and kindred workers	**2 353**	**83**	**113**	**144**	**185**	**269**	**223**	**287**	**302**	**475**	**272**	**5 556**	**6 543**
Accountants	58	–	4	–	4	12	–	–	9	24	5	...	...
Computer specialists	41	–	–	5	7	9	–	–	–	15	5	...	...
Librarians	55	–	5	6	–	12	–	–	6	23	3	...	...
Mathematical specialists	–	–	–	–	–	–	–	–	–	–	–	–	–
Life and physical scientists	34	–	–	–	3	6	–	–	13	7	5	...	...
Registered nurses, dietitians, and therapists	632	6	35	31	67	69	44	105	91	141	43	5 610	6 500
Dietitians	83	–	–	4	16	19	10	13	5	16	–	...	...
Registered nurses	524	6	35	27	45	46	27	92	86	117	43	5 826	6 612
Health technologists and technicians	161	9	8	4	11	22	18	33	23	28	5	5 258	5 938
Social scientists	10	–	–	–	–	4	–	–	6	–	–	...	...
Social and recreation workers	204	10	15	18	21	37	18	23	43	9	10	4 056	5 361
Teachers: College and university	26	–	15	–	6	–	–	–	–	5	–	...	...
Elementary and prekindergarten	404	14	5	49	31	18	51	55	29	83	69	5 618	7 174
Secondary	110	–	–	–	–	14	13	–	13	33	37	8 364	...
Other teachers	33	3	5	8	–	–	3	5	9	–	–	...	...
Engineering and science technicians	121	11	4	6	–	–	27	6	22	33	12	6 295	...
Technicians, except health, and engineering and science	12	–	–	–	–	–	–	–	5	–	7	...	...
Writers, artists, and entertainers	113	13	12	4	14	11	6	24	12	17	–	4 417	...
Actors and dancers	29	9	–	–	9	–	–	5	–	6	–	...	...
Authors, editors, and reporters	18	–	7	–	–	–	–	5	–	6	–	...	...
Other professional, technical, and kindred workers	339	17	5	13	21	55	43	36	21	57	71	5 431	6 923
Managers and administrators, except farm	**354**	**12**	**9**	**55**	**29**	**62**	**25**	**42**	**32**	**55**	**33**	**4 400**	**5 488**
Buyers, purchasing agents, and sales managers	40	–	–	3	–	14	4	19	–	–	–	...	...
Restaurant, cafeteria, and bar managers	20	–	–	–	5	6	–	5	–	4	–	...	...
School administrators	44	7	–	13	–	–	–	–	6	12	6	...	...
Other specified managers and administrators	134	–	3	22	20	5	15	18	20	12	19	5 111	...
Managers and administrators, n.e.c., salaried	113	5	6	17	4	37	6	–	6	27	5	3 662	...
Wholesale and retail trade	22	–	–	–	–	16	6	–	–	–	–	...	...
Managers and administrators, n.e.c., self-employed	3	–	–	–	–	–	–	–	–	–	3	...	...
Wholesale and retail trade	–	–	–	–	–	–	–	–	–	–	–	–	–
Sales workers	**543**	**68**	**55**	**66**	**68**	**112**	**85**	**36**	**36**	**5**	**12**	**3 129**	**3 693**
Demonstrators, hucksters, and peddlers	10	–	–	3	7	–	–	–	–	–	–	...	...
Insurance, real estate agents, and brokers	41	6	–	6	7	5	5	–	12	–	–	...	...
Sales clerks, retail trade	368	62	44	40	32	86	51	36	11	–	6	3 070	3 543
Salesmen, retail trade	15	–	5	–	–	–	5	–	5	–	–	...	...
Other sales workers	109	–	6	17	22	21	24	–	8	5	6	3 452	...
Clerical and kindred workers	**6 769**	**358**	**453**	**880**	**733**	**903**	**1 234**	**1 031**	**654**	**454**	**69**	**4 047**	**5 035**
Bank tellers	71	4	–	–	4	17	18	17	8	3	–	...	...
Bookkeepers	344	10	21	33	44	39	39	70	47	41	–	4 641	5 325
Cashiers	182	14	28	32	29	18	10	36	11	4	–	2 586	...
Counter clerks, except food	42	–	4	11	7	4	–	10	6	–	–	...	...
Enumerators and interviewers	32	5	12	–	–	–	–	–	–	15	–	...	...
File clerks	543	36	70	79	53	106	108	56	19	16	–	3 316	4 663
Office machine operators	597	10	18	59	88	87	133	113	68	10	11	4 274	4 951
Bookkeeping and billing machine operators	23	–	–	–	–	9	9	5	–	–	–	...	...
Keypunch operators	496	10	14	55	81	73	107	87	58	5	6	4 140	4 878
Payroll and timekeeping clerks	32	–	–	–	5	–	6	14	7	–	–	...	...
Receptionists	161	7	20	17	15	44	31	10	17	–	–	3 489	...
Secretaries	1 213	45	52	117	66	97	240	261	194	129	12	4 956	5 547
Stenographers	43	–	–	–	–	–	12	10	12	9	–	...	...
Telephone operators	375	26	42	68	69	57	72	20	12	9	–	2 746	4 342
Typists	861	58	53	130	113	97	161	111	62	70	6	3 789	4 946
Other clerical and kindred workers	2 273	143	133	334	240	337	404	303	191	148	40	3 850	4 979
Craftsmen and kindred workers	**208**	**5**	**5**	**11**	**15**	**38**	**46**	**49**	**28**	**11**	–	**4 652**	**4 511**
Foremen, n.e.c.	57	–	5	–	–	7	4	18	12	11	–	...	...
Operatives, except transport	**3 309**	**186**	**190**	**294**	**387**	**646**	**779**	**474**	**243**	**88**	**22**	**3 925**	**4 565**
Assemblers	523	33	49	46	43	83	151	84	21	4	9	4 050	4 559
Bottling and canning operatives	40	4	16	–	4	4	12	–	–	–	–	...	...
Checkers, examiners, and inspectors; manufacturing	257	6	–	15	5	37	60	78	45	11	–	5 071	5 449
Dressmakers and seamstresses, except factory	36	–	7	14	10	–	5	–	–	–	–	...	...
Laundry and drycleaning operatives, including ironers	452	18	22	41	52	131	110	65	13	–	–	3 710	4 146
Graders and sorters, manufacturing	4	4	–	–	–	–	–	–	–	–	–	...	...
Packers and wrappers, except produce	292	37	17	44	32	65	46	32	12	–	7	3 246	4 266
Sewers and stitchers	397	24	22	29	75	90	96	8	30	23	–	3 539	4 379
Textile operatives	11	–	–	–	–	–	7	4	–	–	–	...	...
Other specified operatives	678	48	28	47	88	103	158	126	50	24	6	4 158	4 549
Miscellaneous and not specified operatives	619	12	29	58	78	133	134	77	72	26	–	3 996	4 674
Manufacturing	523	7	29	46	66	98	111	72	72	22	–	4 140	4 913
Durable goods	336	–	25	29	36	51	79	48	46	22	–	4 342	5 256
Machinery, including electrical	204	–	13	6	15	32	70	38	13	17	–	4 514	4 961
Other durable goods	132	–	12	23	21	19	9	10	33	5	–	3 526	...
Nondurable goods, including not specified manufacturing	187	7	4	17	30	47	32	24	26	–	–	3 755	4 175
Food and kindred products	36	–	–	–	–	9	11	6	10	–	–	...	...
Apparel and other fabricated textile products	32	–	–	6	12	10	–	–	4	–	–	...	...
Nonmanufacturing industries	96	5	–	12	12	35	23	5	–	4	–	...	...
Transport equipment operatives	**35**	**4**	–	–	**8**	**9**	**7**	–	–	**7**	–	...	...
Laborers, except farm	**196**	**21**	**8**	**14**	**15**	**36**	**47**	**22**	**14**	**9**	**10**	**4 085**	**4 745**
Farmers and farm managers	**19**	–	–	**5**	–	**5**	–	–	**4**	–	**5**	...	...
Farm laborers and farm foremen	**13**	–	**4**	–	–	**5**	**4**	–	–	–	–	...	...
Paid farm laborers and farm foremen	13	–	4	–	–	5	4	–	–	–	–	...	...
Unpaid family workers	–	–	–	–	–	–	–	–	–	–	–	–	–
Service workers, except private household[1]	**4 185**	**257**	**348**	**526**	**589**	**708**	**800**	**568**	**203**	**160**	**26**	**3 526**	**4 265**
Cleaning service workers	663	77	24	118	119	162	104	28	14	12	5	2 945	3 523
Chambermaids and maids	193	24	18	26	32	57	26	–	10	–	–	2 891	...
Food service workers	577	31	103	83	45	78	120	69	28	20	–	3 340	4 385
Cooks, except private household	172	–	32	12	6	26	50	21	20	5	–	4 200	...
Waiters and food counter workers	236	17	49	59	19	16	34	24	8	10	–	1 881	...
Health service workers	1 808	75	130	146	252	286	384	339	118	65	13	4 039	4 582
Nursing aides, orderlies, and attendants	1 254	65	86	116	178	197	300	233	52	14	13	3 924	4 464
Practical nurses	301	–	15	11	41	44	26	63	55	46	–	5 214	6 158
Personal service workers	577	38	54	86	68	111	91	65	33	31	–	3 383	3 852
Hairdressers and cosmetologists	165	–	12	20	29	28	9	19	25	23	–	3 768	...
Private household workers	**1 395**	**142**	**190**	**369**	**284**	**269**	**74**	**40**	**4**	**19**	**4**	**1 991**	**2 572**
Private household workers, living in	330	15	37	74	122	59	15	8	–	–	–	2 320	2 827
Private household workers, living out	1 065	127	153	295	162	210	59	32	4	19	4	1 856	2 371

[1]Includes protective service workers and allocated cases not shown separately.

Table 176. **Occupation of the Female Experienced Civilian Labor Force by Earnings in 1969 and Race: 1970**—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Females with earnings in 1969											Median earnings (dollars)	
	Total, 16 years old and over	$1 to $499 or loss	$500 to $999	$1,000 to $1,999	$2,000 to $2,999	$3,000 to $3,999	$4,000 to $4,999	$5,000 to $5,999	$6,000 to $6,999	$7,000 to $9,999	$10,000 or more	All earners	Earners worked 50 to 52 weeks
BOSTON SMSA—Continued													
Persons of Spanish Language													
Experienced civilian labor force	4 510	244	345	530	720	719	742	449	256	395	110	3 579	4 570
Professional, technical, and kindred workers	703	28	44	75	77	71	49	48	59	188	64	5 156	7 124
Accountants	12	-	7	-	-	-	-	-	5	-	-	...	...
Computer specialists	31	-	-	-	8	-	-	-	-	23	-	...	...
Librarians	35	-	7	-	7	-	-	-	8	-	13	...	...
Mathematical specialists	-	-	-	-	-	-	-	-	-	-	-	-	-
Life and physical scientists	6	-	-	-	-	-	-	-	-	6	-	...	-
Registered nurses, dietitians, and therapists	86	-	7	14	6	17	6	-	11	19	6	...	...
Dietitians	-	-	-	-	-	-	-	-	-	-	-	-	-
Registered nurses	86	-	7	14	6	17	6	-	11	19	6	...	...
Health technologists and technicians	34	-	-	-	2	6	6	8	-	12	-	...	...
Social scientists	4	-	-	-	-	-	-	4	-	-	-	...	-
Social and recreation workers	34	-	-	-	6	7	-	7	-	14	-	...	...
Teachers: College and university	83	-	7	14	6	-	11	13	14	18	-	...	...
Elementary and prekindergarten	107	-	8	23	26	6	-	-	-	44	-	2 865	...
Secondary	39	6	-	-	16	6	6	-	5	-	-	...	...
Other teachers	30	13	-	-	-	-	12	-	-	5	-	...	-
Engineering and science technicians	23	-	-	-	-	6	-	10	-	-	7	...	...
Technicians, except health, and engineering and science	-	-	-	-	-	-	-	-	-	-	-	-	-
Writers, artists, and entertainers	45	-	-	7	-	17	7	6	8	-	-	...	...
Actors and dancers	6	-	-	-	-	-	-	6	-	-	-	...	-
Authors, editors, and reporters	-	-	-	-	-	-	-	-	-	-	-	-	-
Other professional, technical, and kindred workers	134	9	8	17	-	6	1	-	8	47	38	8 149	...
Managers and administrators, except farm	83	-	4	18	9	6	15	6	5	16	4	...	...
Buyers, purchasing agents, and sales managers	6	-	-	-	-	-	-	6	-	-	-	...	...
Restaurant, cafeteria, and bar managers	-	-	-	-	-	-	-	-	-	-	-	-	-
School administrators	11	-	-	-	-	-	-	-	-	11	-	...	...
Other specified managers and administrators	29	-	-	5	9	6	-	-	5	-	4	...	...
Managers and administrators, n.e.c., salaried	37	-	4	13	-	-	15	-	-	5	-	...	...
Wholesale and retail trade	11	-	4	7	-	-	-	-	-	-	-	...	-
Managers and administrators, n.e.c., self-employed	-	-	-	-	-	-	-	-	-	-	-	-	-
Wholesale and retail trade	-	-	-	-	-	-	-	-	-	-	-	-	-
Sales workers	223	24	50	27	53	14	20	14	6	-	15	2 198	...
Demonstrators, hucksters, and peddlers	-	-	-	-	-	-	-	-	-	-	-	-	-
Insurance, real estate agents, and brokers	38	-	5	-	11	8	7	-	-	-	7	...	...
Sales clerks, retail trade	144	18	38	27	42	6	13	-	-	-	-	1 593	...
Salesmen, retail trade	-	-	-	-	-	-	-	-	-	-	-	-	-
Other sales workers	41	6	7	-	-	-	-	14	6	-	8	...	...
Clerical and kindred workers	1 587	87	106	177	245	222	279	204	123	128	16	3 804	5 046
Bank tellers	20	-	-	4	-	-	8	8	-	-	-	...	...
Bookkeepers	168	7	12	18	32	27	7	29	6	14	16	3 556	...
Cashiers	73	22	7	18	13	6	7	-	-	-	-	...	...
Counter clerks, except food	16	-	7	-	-	9	-	-	-	-	-	...	-
Enumerators and interviewers	-	-	-	-	-	-	-	-	-	-	-	-	-
File clerks	96	7	-	22	-	13	33	16	-	5	-	...	...
Office machine operators	105	5	10	21	11	6	33	-	11	8	-	3 917	...
Bookkeeping and billing machine operators	7	-	-	-	-	-	7	-	-	-	-	...	...
Keypunch operators	84	5	10	14	11	6	19	-	11	8	-	...	...
Payroll and timekeeping clerks	-	-	-	-	-	-	-	-	-	-	-	-	-
Receptionists	62	22	21	-	11	-	8	-	-	-	-	...	...
Secretaries	434	-	7	53	53	80	69	63	51	58	-	4 348	5 786
Stenographers	6	-	-	-	-	-	6	-	-	-	-	...	-
Telephone operators	12	-	6	-	-	-	6	-	-	-	-	...	...
Typists	208	10	13	16	48	43	52	7	6	13	-	3 395	...
Other clerical and kindred workers	387	14	23	25	77	38	50	81	49	30	-	4 330	5 442
Craftsmen and kindred workers	56	-	-	8	6	25	-	4	-	13	-	...	...
Foremen, n.e.c.	13	-	-	-	-	-	-	-	-	13	-	...	...
Operatives, except transport	1 004	43	56	109	165	251	265	80	24	-	11	3 514	4 112
Assemblers	130	-	15	16	13	50	36	-	-	-	-	3 420	...
Bottling and canning operatives	-	-	-	-	-	-	-	-	-	-	-	-	-
Checkers, examiners, and inspectors, manufacturing	53	-	10	6	15	11	4	4	3	-	-	...	...
Dressmakers and seamstresses, except factory	13	-	-	-	-	3	4	-	6	-	-	...	...
Laundry and drycleaning operatives, including ironers	106	6	-	5	15	32	26	18	-	-	4	3 844	...
Graders and sorters, manufacturing	-	-	-	-	-	-	-	-	-	-	-	-	-
Packers and wrappers, except produce	144	7	-	20	33	42	27	15	-	-	-	3 286	...
Sewers and stitchers	242	17	21	11	49	61	66	6	11	-	-	3 377	4 075
Textile operatives	16	-	-	-	-	8	-	8	-	-	-	...	...
Other specified operatives	160	5	10	32	12	29	50	15	-	-	7	3 724	...
Miscellaneous and not specified operatives	140	8	-	19	28	15	52	14	4	-	-	4 000	...
Manufacturing	85	-	-	-	28	15	31	7	4	-	-	...	...
Durable goods	58	-	-	-	14	9	31	-	4	-	-	...	...
Machinery, including electrical	21	-	-	-	-	9	12	-	-	-	-	...	...
Other durable goods	37	-	-	-	14	-	19	-	4	-	-	...	...
Nondurable goods, including not specified manufacturing	27	-	-	-	14	6	-	7	-	-	-	...	...
Food and kindred products	9	-	-	-	9	-	-	-	-	-	-	...	-
Apparel and other fabricated textile products	7	-	-	-	-	-	-	7	-	-	-	...	...
Nonmanufacturing industries	55	8	-	19	-	-	21	7	-	-	-	...	...
Transport equipment operatives	8	-	-	-	-	-	-	-	8	-	-	...	-
Laborers, except farm	7	-	-	-	-	7	-	-	-	-	-	...	...
Farmers and farm managers	-	-	-	-	-	-	-	-	-	-	-	-	-
Farm laborers and farm foremen	7	-	-	7	-	-	-	-	-	-	-	...	...
Paid farm laborers and farm foremen	7	-	-	7	-	-	-	-	-	-	-	...	...
Unpaid family workers	-	-	-	-	-	-	-	-	-	-	-	-	-
Service workers, except private household[1]	632	53	75	62	106	57	105	93	31	50	-	3 351	4 481
Cleaning service workers	161	11	23	9	23	16	63	16	-	-	-	3 906	...
Chambermaids and maids	20	5	-	-	5	6	-	4	-	-	-	...	...
Food service workers	116	28	29	24	-	6	16	5	-	8	-	1 042	...
Cooks, except private household	-	-	-	-	-	-	-	-	-	-	-	-	-
Waiters and food counter workers	99	28	19	24	-	6	9	5	-	8	-	...	...
Health service workers	249	-	7	22	78	22	26	60	20	14	-	3 795	4 143
Nursing aides, orderlies, and attendants	179	-	-	17	55	18	26	37	20	6	-	3 972	...
Practical nurses	42	-	-	-	15	4	-	23	-	-	-	...	...
Personal service workers	78	14	7	7	-	7	-	12	11	20	-	...	...
Hairdressers and cosmetologists	39	-	-	7	-	7	-	6	6	13	-	...	...
Private household workers	200	9	10	47	59	66	9	-	-	-	-	2 576	...
Private household workers, living in	116	-	-	14	53	40	9	-	-	-	-	2 830	...
Private household workers, living out	84	9	10	33	6	26	-	-	-	-	-	...	...

[1]Includes protective service workers and allocated cases not shown separately.

Table 176. Occupation of the Female Experienced Civilian Labor Force by Earnings in 1969 and Race: 1970—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Females with earnings in 1969											Median earnings (dollars)	
	Total, 16 years old and over	$1 to $499 or loss	$500 to $999	$1,000 to $1,999	$2,000 to $2,999	$3,000 to $3,999	$4,000 to $4,999	$5,000 to $5,999	$6,000 to $6,999	$7,000 to $9,999	$10,000 or more	All earners	Earners worked 50 to 52 weeks
PROVIDENCE–PAWTUCKET–WARWICK, R.I.–MASS., SMSA													
Total													
Experienced civilian labor force	**150 777**	**8 962**	**10 186**	**21 499**	**20 831**	**28 045**	**24 465**	**15 128**	**8 087**	**9 770**	**3 804**	**3 496**	**4 385**
Professional, technical, and kindred workers	**19 653**	**726**	**896**	**1 973**	**1 512**	**1 652**	**1 671**	**1 641**	**2 202**	**5 297**	**2 083**	**5 851**	**6 629**
Accountants	658	14	12	17	29	83	118	103	106	140	36	5 544	6 010
Computer specialists	154	11	–	20	4	11	5	14	9	39	41	7 231	...
Librarians	329	6	12	56	5	31	16	32	26	83	62	6 250	6 409
Mathematical specialists	36	5	–	5	–	–	8	6	6	–	6	...	...
Life and physical scientists	152	4	6	7	12	4	17	7	37	37	21	6 514	...
Registered nurses, dietitians, and therapists	4 737	85	174	399	453	609	585	469	450	1 178	335	5 135	6 625
Dietitians	176	10	6	29	5	42	19	4	13	27	21	3 905	4 895
Registered nurses	4 299	64	160	333	413	551	561	441	403	1 083	290	5 153	6 647
Health technologists and technicians	944	27	42	105	83	109	102	175	110	161	30	5 023	5 619
Social scientists	92	–	5	15	–	17	–	–	3	28	24	...	...
Social and recreation workers	660	40	47	61	17	40	46	70	95	195	49	6 095	7 151
Teachers: College and university	537	31	49	31	39	25	46	31	18	155	112	6 917	8 375
Elementary and prekindergarten	5 245	174	170	598	493	289	304	257	694	1 714	552	6 486	6 710
Secondary	1 901	78	71	219	104	89	53	92	269	647	279	6 909	7 815
Other teachers	538	65	82	70	60	46	22	28	35	93	37	2 867	6 412
Engineering and science technicians	372	18	6	34	26	27	81	63	38	60	19	4 926	5 632
Technicians, except health, and engineering and science	30	–	6	–	–	–	10	2	–	10	2	...	...
Writers, artists, and entertainers	838	62	83	150	59	82	78	58	78	119	69	3 793	6 245
Actors and dancers	20	–	–	–	–	–	6	–	5	5	4	...	...
Authors, editors, and reporters	157	6	–	28	12	14	11	10	20	44	12	5 750	...
Other professional, technical, and kindred workers	2 430	106	131	186	128	190	180	234	228	638	409	6 263	6 985
Managers and administrators, except farm	**3 859**	**116**	**90**	**319**	**316**	**357**	**386**	**542**	**441**	**655**	**637**	**5 637**	**6 170**
Buyers, purchasing agents, and sales managers	586	10	15	20	65	122	68	92	54	81	59	4 897	5 800
Restaurant, cafeteria, and bar managers	157	19	6	10	22	18	6	31	5	25	15	4 583	...
School administrators	388	4	6	122	21	–	–	17	42	28	148	6 571	6 782
Other specified managers and administrators	877	27	24	40	84	65	122	72	103	164	176	6 044	6 378
Managers and administrators, n.e.c., salaried	1 468	14	20	88	98	114	173	292	210	290	169	5 777	6 115
Wholesale and retail trade	367	4	15	31	24	28	40	99	54	47	25	5 419	5 682
Managers and administrators, n.e.c., self-employed	383	42	19	39	26	38	17	38	27	67	70	5 276	5 776
Wholesale and retail trade	224	42	15	29	12	23	10	5	21	37	30	3 609	4 550
Sales workers	**9 197**	**1 051**	**1 084**	**2 209**	**1 705**	**1 561**	**655**	**354**	**216**	**207**	**155**	**2 149**	**3 282**
Demonstrators, hucksters, and peddlers	206	56	59	39	17	10	5	15	5	–	–	898	...
Insurance, real estate agents, and brokers	443	26	16	39	37	75	65	71	56	35	23	4 438	5 016
Sales clerks, retail trade	6 867	773	840	1 796	1 423	1 280	369	169	82	80	55	2 017	3 079
Salesmen, retail trade	192	10	19	21	27	25	37	17	16	20	–	3 760	4 636
Other sales workers	1 489	186	150	314	201	171	179	82	57	72	77	2 470	4 047
Clerical and kindred workers	**46 960**	**2 203**	**2 856**	**5 766**	**5 582**	**7 664**	**10 431**	**6 890**	**2 981**	**2 219**	**368**	**3 923**	**4 605**
Bank tellers	1 197	15	56	172	157	257	360	119	32	24	5	3 772	4 246
Bookkeepers	5 757	127	328	540	617	827	1 354	992	401	492	79	4 325	4 740
Cashiers	2 990	376	445	719	581	424	229	101	89	26	–	1 937	3 273
Counter clerks, except food	613	29	88	141	53	99	115	75	–	13	–	2 915	3 843
Enumerators and interviewers	135	21	11	21	34	6	5	18	–	14	5	2 426	...
File clerks	1 023	83	129	178	139	169	187	75	34	19	10	2 874	4 245
Office machine operators	1 879	48	65	188	242	311	534	328	109	44	10	4 160	4 642
Bookkeeping and billing machine operators	271	9	14	25	43	59	67	45	–	9	–	3 754	4 414
Keypunch operators	1 109	9	31	130	155	186	333	191	58	11	5	4 131	4 559
Payroll and timekeeping clerks	791	19	13	75	76	87	201	193	79	43	5	4 624	4 924
Receptionists	1 118	58	71	174	129	246	277	120	16	27	–	3 516	4 123
Secretaries	10 304	266	356	852	1 028	1 493	2 501	2 234	925	571	78	4 463	4 943
Stenographers	522	7	5	46	40	84	165	103	53	14	5	4 479	4 788
Telephone operators	1 857	96	78	220	298	269	410	266	140	68	12	3 879	4 606
Typists	4 394	179	269	510	517	888	1 195	529	189	113	5	3 813	4 382
Other clerical and kindred workers	14 380	879	942	1 930	1 671	2 504	2 898	1 737	914	751	154	3 706	4 566
Craftsmen and kindred workers	**4 614**	**201**	**166**	**494**	**649**	**1 001**	**836**	**521**	**259**	**359**	**128**	**3 796**	**4 610**
Foremen, n.e.c	1 518	17	16	48	152	256	342	260	178	183	66	4 789	5 231
Operatives, except transport	**43 300**	**2 034**	**2 277**	**5 657**	**7 280**	**12 472**	**8 052**	**3 598**	**1 217**	**478**	**235**	**3 353**	**3 957**
Assemblers	5 225	269	287	737	860	1 448	932	510	135	38	9	3 317	4 010
Bottling and canning operatives	30	10	6	10	–	4	–	–	–	–	–	...	–
Checkers, examiners, and inspectors, manufacturing	3 993	120	144	266	479	1 197	936	571	200	69	11	3 825	4 376
Dressmakers and seamstresses, except factory	362	21	31	65	95	51	52	21	21	5	–	2 674	4 132
Laundry and drycleaning operatives, including ironers	1 034	55	52	158	201	328	147	49	25	19	–	3 155	3 657
Graders and sorters, manufacturing	81	4	4	5	16	17	19	11	5	–	–	...	...
Packers and wrappers, except produce	3 626	220	276	602	547	1 037	518	236	135	44	11	3 162	3 822
Sewers and stitchers	3 363	78	114	379	647	1 024	757	256	69	22	17	3 453	4 071
Textile operatives	5 336	146	163	535	814	1 790	1 267	459	86	63	13	3 564	4 005
Other specified operatives	7 915	436	345	1 051	1 389	2 187	1 415	583	293	122	94	3 337	3 927
Miscellaneous and not specified operatives	12 335	675	855	1 849	2 232	3 389	2 009	902	248	96	80	3 164	3 836
Manufacturing	11 701	642	811	1 750	2 137	3 243	1 885	849	231	90	63	3 157	3 818
Durable goods	8 467	476	624	1 351	1 554	2 296	1 370	535	165	54	42	3 100	3 805
Machinery, including electrical	1 020	36	62	97	121	304	240	135	25	–	–	3 638	4 128
Other durable goods	7 447	440	562	1 254	1 433	1 992	1 130	400	140	54	42	3 017	3 757
Nondurable goods, including not specified manufacturing	3 234	166	187	399	583	947	515	314	66	36	21	3 298	3 848
Food and kindred products	104	–	6	31	27	19	17	–	–	4	–	2 556	...
Apparel and other fabricated textile products	363	22	36	61	109	84	30	10	–	–	11	2 573	3 490
Nonmanufacturing industries	634	33	44	99	95	146	124	53	17	6	17	3 315	4 280
Transport equipment operatives	**370**	**74**	**6**	**87**	**55**	**41**	**38**	**13**	**19**	**24**	**13**	**2 327**	**4 278**
Laborers, except farm	**1 894**	**186**	**142**	**351**	**353**	**462**	**205**	**116**	**50**	**29**	**–**	**2 759**	**3 662**
Farmers and farm managers	**49**	**9**	**6**	**5**	**9**	**5**	**4**	**5**	**–**	**–**	**6**	**...**	**...**
Farm laborers and farm foremen	**123**	**28**	**39**	**31**	**6**	**6**	**–**	**6**	**7**	**–**	**–**	**929**	**...**
Paid farm laborers and farm foremen	111	23	39	24	6	6	–	6	7	–	–	917	...
Unpaid family workers	12	5	–	7	–	–	–	–	–	–	–	...	–
Service workers, except private household[1]	**19 043**	**2 020**	**2 297**	**4 051**	**3 109**	**2 643**	**2 145**	**1 411**	**686**	**502**	**179**	**2 371**	**3 845**
Cleaning service workers	1 765	100	148	370	410	355	256	57	38	19	12	2 645	3 343
Chambermaids and maids	542	58	55	145	99	113	34	20	6	6	6	2 131	3 213
Food service workers	6 923	1 014	1 094	1 827	1 351	805	481	178	76	46	51	1 741	2 995
Cooks, except private household	1 159	39	81	310	329	157	139	61	19	14	10	2 454	3 690
Waiters and food counter workers	4 314	760	761	1 134	799	469	242	58	41	27	23	1 561	2 669
Health service workers	5 151	385	486	775	641	710	773	721	352	254	54	3 406	4 723
Nursing aides, orderlies, and attendants	2 875	268	310	471	403	429	431	298	157	79	29	2 964	4 356
Practical nurses	1 388	41	53	132	133	119	192	357	165	175	21	5 067	5 639
Personal service workers	3 077	283	300	521	437	508	403	335	140	117	33	2 994	3 883
Hairdressers and cosmetologists	1 849	93	123	284	323	377	258	221	63	74	33	3 269	3 824
Private household workers	**1 715**	**314**	**327**	**556**	**255**	**181**	**42**	**31**	**9**	**–**	**–**	**1 389**	**1 908**
Private household workers, living in	196	4	25	66	45	37	12	7	–	–	–	2 067	1 902
Private household workers, living out	1 519	310	302	490	210	144	30	24	9	–	–	1 301	1 910

[1]Includes protective service workers and allocated cases not shown separately.

Table 176. **Occupation of the Female Experienced Civilian Labor Force by Earnings in 1969 and Race: 1970**—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Females with earnings in 1969											Median earnings (dollars)	
	Total, 16 years old and over	$1 to $499 or loss	$500 to $999	$1,000 to $1,999	$2,000 to $2,999	$3,000 to $3,999	$4,000 to $4,999	$5,000 to $5,999	$6,000 to $6,999	$7,000 to $9,999	$10,000 or more	All earners	Earners worked 50 to 52 weeks
SPRINGFIELD–CHICOPEE–HOLYOKE, MASS.–CONN., SMSA													
Total													
Experienced civilian labor force	**83 998**	**6 102**	**6 803**	**11 989**	**10 290**	**12 063**	**12 560**	**9 606**	**5 585**	**6 768**	**2 232**	**3 565**	**4 662**
Professional, technical, and kindred workers	**13 365**	**656**	**679**	**1 630**	**1 091**	**1 108**	**1 035**	**1 093**	**1 467**	**3 371**	**1 235**	**5 442**	**6 624**
Accountants	565	9	24	57	25	23	106	115	65	107	34	5 335	5 973
Computer specialists	103	–	5	–	9	5	4	5	27	17	31	6 870	...
Librarians	251	33	9	27	30	37	20	24	5	40	26	3 716	...
Mathematical specialists	28	5	–	–	5	4	–	–	5	9	–	...	...
Life and physical scientists	24	–	–	–	–	4	–	–	–	10	10	...	...
Registered nurses, dietitians, and therapists	3 435	93	123	350	336	378	388	390	365	833	179	5 127	6 664
Dietitians	85	6	–	9	–	16	–	5	10	30	9	...	...
Registered nurses	3 222	73	112	329	336	348	383	369	351	756	165	5 081	6 610
Health technologists and technicians	576	20	26	72	46	64	98	103	69	73	5	4 612	5 434
Social scientists	48	–	–	–	–	6	7	–	16	5	14	...	...
Social and recreation workers	255	14	27	4	20	19	20	26	5	89	31	5 904	8 329
Teachers: College and university	593	23	35	48	29	43	33	20	22	150	190	7 870	10000+
Elementary and prekindergarten	3 873	235	154	569	309	226	136	154	519	1 196	375	6 296	6 975
Secondary	1 463	71	82	179	81	98	59	43	216	463	171	6 549	7 600
Other teachers	301	43	33	75	20	27	20	6	15	48	14	1 993	...
Engineering and science technicians	196	19	21	30	22	10	18	38	20	13	5	3 600	5 545
Technicians, except health, and engineering and science	23	–	–	–	–	–	4	–	–	19	–	...	...
Writers, artists, and entertainers	420	46	60	65	30	56	34	50	27	36	16	3 161	4 821
Actors and dancers	–	–	–	–	–	–	–	–	–	–	–	–	–
Authors, editors, and reporters	102	5	10	17	–	13	15	16	–	15	11	4 400	...
Other professional, technical, and kindred workers	1 211	45	80	154	129	108	88	119	91	263	134	5 013	6 186
Managers and administrators, except farm	**2 539**	**74**	**65**	**172**	**212**	**303**	**321**	**274**	**243**	**479**	**396**	**5 447**	**6 123**
Buyers, purchasing agents, and sales managers	359	6	5	15	10	96	72	41	46	20	48	4 660	5 524
Restaurant, cafeteria, and bar managers	233	14	–	39	77	48	16	16	12	11	–	2 825	3 279
School administrators	216	–	–	19	10	5	5	11	15	41	110	10000+	...
Other specified managers and administrators	517	16	15	26	35	38	88	43	54	128	74	5 942	6 721
Managers and administrators, n.e.c., salaried	1 014	21	40	60	60	77	123	122	106	259	146	6 038	6 663
Wholesale and retail trade	321	–	16	17	24	44	52	37	23	85	23	5 203	5 538
Managers and administrators, n.e.c., self-employed	200	17	5	13	20	39	17	41	10	20	18	4 353	4 571
Wholesale and retail trade	138	17	5	13	9	27	17	21	4	11	14	3 926	3 841
Sales workers	**6 390**	**836**	**847**	**1 507**	**1 218**	**908**	**389**	**242**	**117**	**193**	**133**	**2 004**	**2 994**
Demonstrators, hucksters, and peddlers	147	49	21	21	31	6	–	–	5	5	9	1 167	...
Insurance, real estate agents, and brokers	431	6	11	67	62	43	17	56	41	77	51	5 170	5 760
Sales clerks, retail trade	4 608	613	654	1 200	905	709	264	140	41	60	22	1 864	2 843
Salesmen, retail trade	129	15	10	30	37	11	21	–	–	5	–	2 257	...
Other sales workers	1 075	153	151	189	183	139	87	46	30	46	51	2 243	3 274
Clerical and kindred workers	**29 158**	**1 755**	**2 150**	**3 628**	**3 351**	**4 025**	**5 554**	**4 740**	**2 197**	**1 533**	**225**	**3 918**	**4 778**
Bank tellers	687	40	51	65	106	137	168	77	15	28	–	3 595	4 367
Bookkeepers	3 163	129	117	314	290	443	732	632	256	176	74	4 394	4 762
Cashiers	2 030	265	417	484	357	274	117	74	27	15	–	1 688	2 983
Counter clerks, except food	381	19	61	73	46	78	51	20	33	–	–	2 815	3 845
Enumerators and interviewers	84	21	5	5	6	6	10	4	27	–	–	...	...
File clerks	674	70	73	165	101	103	78	47	20	17	–	2 287	3 993
Office machine operators	1 245	59	53	139	150	203	239	263	94	34	11	4 077	4 802
Bookkeeping and billing machine operators	143	11	16	9	16	33	17	15	21	–	5	3 591	...
Keypunch operators	689	15	26	62	87	112	173	161	38	15	–	4 246	4 764
Payroll and timekeeping clerks	450	10	9	35	40	75	133	93	38	17	–	4 421	4 716
Receptionists	630	84	83	115	66	61	108	81	21	11	–	2 500	4 583
Secretaries	5 996	194	278	492	583	721	1 337	1 230	645	475	41	4 546	5 134
Stenographers	235	–	4	4	6	19	56	83	43	20	–	5 343	5 423
Telephone operators	1 128	45	56	148	116	156	127	244	168	58	10	4 339	5 390
Typists	2 901	184	245	369	360	512	654	444	89	39	5	3 571	4 500
Other clerical and kindred workers	9 554	635	698	1 220	1 124	1 237	1 744	1 448	721	643	84	3 889	4 844
Craftsmen and kindred workers	**1 904**	**98**	**47**	**154**	**168**	**358**	**335**	**268**	**195**	**216**	**65**	**4 379**	**5 167**
Foremen, n.e.c	503	5	–	18	22	74	73	106	82	97	26	5 561	5 896
Operatives, except transport	**15 374**	**636**	**819**	**1 527**	**2 115**	**3 498**	**3 277**	**2 071**	**847**	**516**	**68**	**3 740**	**4 516**
Assemblers	1 842	58	132	187	284	334	399	278	99	71	–	3 778	4 724
Bottling and canning operatives	5	–	–	–	–	–	–	5	–	–	–	...	–
Checkers, examiners, and inspectors; manufacturing	1 564	46	15	86	126	381	443	301	95	49	22	4 289	4 705
Dressmakers and seamstresses, except factory	175	6	22	66	38	14	13	11	5	–	–	1 902	...
Laundry and drycleaning operatives, including ironers	674	35	37	110	103	198	98	58	25	10	–	3 263	3 771
Graders and sorters, manufacturing	121	–	–	–	20	20	53	23	–	5	–	4 387	...
Packers and wrappers, except produce	1 273	97	90	176	221	218	217	164	61	29	–	3 241	4 615
Sewers and stitchers	2 169	68	106	205	419	636	471	175	63	21	5	3 450	4 056
Textile operatives	576	5	9	35	92	175	143	97	11	9	–	3 840	4 408
Other specified operatives	2 663	133	158	269	340	550	520	338	187	143	25	3 785	4 702
Miscellaneous and not specified operatives	4 312	188	250	393	472	972	920	621	301	179	16	3 878	4 595
Manufacturing	3 909	160	189	327	432	894	881	577	265	168	16	3 947	4 599
Durable goods	1 680	63	80	138	166	373	323	295	131	95	16	4 062	4 948
Machinery, including electrical	508	22	15	61	39	129	77	82	46	33	4	3 907	5 217
Other durable goods	1 172	41	65	77	127	244	246	213	85	62	12	4 130	4 860
Nondurable goods, including not specified manufacturing	2 229	97	109	189	266	521	558	282	134	73	–	3 870	4 400
Food and kindred products	79	5	10	17	11	5	13	–	18	–	–	...	...
Apparel and other fabricated textile products	250	5	–	31	73	66	54	11	5	5	–	3 242	...
Nonmanufacturing industries	403	28	61	66	40	78	39	44	36	11	–	3 083	4 500
Transport equipment operatives	**240**	**20**	**40**	**61**	**43**	**–**	**30**	**14**	**6**	**15**	**11**	**1 984**	**...**
Laborers, except farm	**599**	**54**	**34**	**113**	**97**	**132**	**71**	**59**	**34**	**5**	**–**	**3 011**	**3 780**
Farmers and farm managers	**32**	**5**	**5**	**8**	**–**	**–**	**5**	**–**	**–**	**–**	**9**	**...**	**...**
Farm laborers and farm foremen	**198**	**50**	**29**	**29**	**33**	**18**	**29**	**5**	**5**	**–**	**–**	**1 690**	**...**
Paid farm laborers and farm foremen	178	45	19	29	33	18	29	–	5	–	–	1 862	...
Unpaid family workers	20	5	10	–	–	–	–	5	–	–	–	...	...
Service workers, except private household[1]	**13 121**	**1 677**	**1 800**	**2 898**	**1 815**	**1 633**	**1 482**	**840**	**470**	**416**	**90**	**2 102**	**3 945**
Cleaning service workers	1 310	95	127	289	190	244	203	75	56	27	4	2 758	3 830
Chambermaids and maids	542	43	54	118	77	84	97	31	28	6	4	2 727	3 964
Food service workers	5 368	799	975	1 560	888	548	320	124	73	76	5	1 583	2 743
Cooks, except private household	918	55	66	265	194	155	113	30	21	19	–	2 376	3 607
Waiters and food counter workers	3 291	569	720	986	478	258	149	47	37	47	–	1 362	2 406
Health service workers	3 069	236	278	431	376	375	610	384	209	156	14	3 569	4 656
Nursing aides, orderlies, and attendants	1 564	161	124	288	230	192	318	168	62	21	–	2 909	4 399
Practical nurses	902	42	46	60	70	112	153	146	131	132	10	4 791	5 417
Personal service workers	2 289	399	219	371	235	353	229	201	104	117	61	2 662	4 304
Hairdressers and cosmetologists	1 185	98	82	223	131	211	114	125	64	81	56	3 277	4 637
Private household workers	**1 078**	**241**	**288**	**262**	**147**	**80**	**32**	**–**	**4**	**24**	**–**	**1 038**	**1 657**
Private household workers, living in	178	22	36	37	52	27	4	–	–	–	–	1 838	2 051
Private household workers, living out	900	219	252	225	95	53	28	–	4	24	–	958	1 522

[1]Includes protective service workers and allocated cases not shown separately.

Table 176. **Occupation of the Female Experienced Civilian Labor Force by Earnings in 1969 and Race: 1970**—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Females with earnings in 1969											Median earnings (dollars)	
	Total, 16 years old and over	$1 to $499 or loss	$500 to $999	$1,000 to $1,999	$2,000 to $2,999	$3,000 to $3,999	$4,000 to $4,999	$5,000 to $5,999	$6,000 to $6,999	$7,000 to $9,999	$10,000 or more	All earners	Earners worked 50 to 52 weeks
WORCESTER SMSA													
Total													
Experienced civilian labor force	**53 761**	**3 410**	**4 298**	**7 668**	**7 203**	**7 760**	**7 950**	**5 748**	**3 733**	**4 377**	**1 614**	**3 554**	**4 719**
Professional, technical, and kindred workers	**9 125**	**338**	**523**	**956**	**840**	**656**	**700**	**668**	**1 077**	**2 384**	**983**	**5 823**	**6 948**
Accountants	322	6	18	12	40	23	44	31	49	76	23	5 581	6 385
Computer specialists	68	–	5	6	16	–	5	17	14	5	–	...	...
Librarians	203	10	46	32	29	–	10	16	14	39	7	2 466	...
Mathematical specialists	23	–	5	–	–	–	14	4	–	–	–	...	...
Life and physical scientists	51	–	–	–	–	6	–	16	20	9	–	...	...
Registered nurses, dietitians, and therapists	2 859	66	99	281	309	301	270	251	236	862	184	5 412	7 351
Dietitians	77	4	9	9	–	4	11	5	–	30	5	...	...
Registered nurses	2 713	58	86	258	299	293	256	229	227	828	179	5 465	7 375
Health technologists and technicians	383	–	25	4	47	55	65	47	59	78	3	4 931	5 913
Social scientists	29	–	–	–	–	–	–	14	–	4	11	...	...
Social and recreation workers	268	13	37	9	27	17	13	23	20	79	30	5 783	8 622
Teachers: College and university	172	8	15	15	15	23	6	4	–	15	71	6 000	...
Elementary and prekindergarten	2 150	58	132	258	171	84	83	82	320	673	289	6 647	7 973
Secondary	996	44	42	177	67	53	34	9	97	241	232	6 742	7 450
Other teachers	266	33	50	48	28	5	–	4	21	66	11	2 071	...
Engineering and science technicians	191	13	–	6	–	24	56	24	29	32	7	4 938	5 417
Technicians, except health, and engineering and science	34	10	5	7	–	–	–	5	–	7	–	...	...
Writers, artists, and entertainers	271	40	26	45	30	14	16	21	59	15	5	2 817	5 095
Actors and dancers	6	–	–	6	–	–	–	–	–	–	–	...	–
Authors, editors, and reporters	44	5	–	–	4	5	–	11	16	3	–	...	...
Other professional, technical, and kindred workers	839	37	18	56	61	51	84	100	139	183	110	6 090	6 524
Managers and administrators, except farm	**1 625**	**48**	**35**	**126**	**131**	**167**	**189**	**236**	**159**	**284**	**250**	**5 494**	**6 020**
Buyers, purchasing agents, and sales managers	227	–	5	–	20	51	52	28	11	31	29	4 721	4 946
Restaurant, cafeteria, and bar managers	156	10	–	33	44	32	19	5	–	9	4	2 795	...
School administrators	114	–	–	23	6	11	3	–	4	16	51	8 875	...
Other specified managers and administrators	411	18	9	36	16	14	33	89	26	107	63	5 893	7 042
Managers and administrators, n.e.c., salaried	606	6	10	17	25	53	70	114	104	109	98	6 077	6 258
Wholesale and retail trade	180	–	4	10	10	19	37	24	40	22	14	5 417	5 900
Managers and administrators, n.e.c., self-employed	111	14	11	17	20	6	12	–	14	12	5	2 675	...
Wholesale and retail trade	76	5	5	17	–	6	12	–	14	12	5	...	...
Sales workers	**3 658**	**435**	**475**	**788**	**700**	**586**	**259**	**164**	**79**	**99**	**73**	**2 187**	**3 285**
Demonstrators, hucksters, and peddlers	64	5	17	5	14	11	–	–	6	6	–	...	...
Insurance, real estate agents, and brokers	185	–	13	21	15	13	23	14	35	28	23	5 536	6 525
Sales clerks, retail trade	2 897	334	397	687	581	510	212	85	20	40	31	2 052	3 042
Salesmen, retail trade	81	11	6	10	5	9	–	16	4	11	9	...	...
Other sales workers	431	85	42	65	85	43	24	49	14	14	10	2 276	4 474
Clerical and kindred workers	**18 588**	**871**	**1 258**	**2 155**	**2 350**	**2 635**	**3 611**	**3 088**	**1 567**	**903**	**150**	**4 007**	**4 826**
Bank tellers	336	8	18	10	53	66	90	64	20	–	7	4 144	4 829
Bookkeepers	2 506	71	92	180	287	356	523	475	292	183	47	4 511	4 961
Cashiers	1 239	156	197	311	280	123	63	35	49	20	5	1 857	3 077
Counter clerks, except food	209	14	21	32	58	43	12	8	7	10	4	2 647	2 935
Enumerators and interviewers	37	18	5	5	–	–	–	–	–	9	–	...	...
File clerks	395	39	26	63	82	28	107	21	19	10	–	2 848	4 387
Office machine operators	681	28	20	75	107	92	124	159	43	27	6	4 149	5 114
Bookkeeping and billing machine operators	51	–	5	4	13	10	4	10	5	–	–	...	...
Keypunch operators	439	9	15	52	71	55	75	112	33	11	6	4 233	5 107
Payroll and timekeeping clerks	287	–	10	9	18	24	64	100	33	23	6	5 185	5 434
Receptionists	419	37	39	40	45	74	123	44	5	12	–	3 655	4 366
Secretaries	4 396	83	248	335	433	618	995	887	500	263	34	4 483	5 070
Stenographers	120	8	9	11	–	5	25	40	17	5	–	5 050	...
Telephone operators	759	21	118	144	76	118	88	111	70	13	–	3 174	4 516
Typists	1 829	60	153	206	209	286	495	299	86	35	–	4 001	4 585
Other clerical and kindred workers	5 375	328	302	734	702	802	902	845	426	293	41	3 775	4 845
Craftsmen and kindred workers	**1 129**	**41**	**32**	**113**	**166**	**233**	**177**	**121**	**52**	**148**	**46**	**3 912**	**4 838**
Foremen, n.e.c.	326	–	9	15	32	54	79	42	36	42	17	4 671	5 190
Operatives, except transport	**8 865**	**348**	**578**	**1 188**	**1 404**	**2 211**	**1 838**	**764**	**312**	**175**	**47**	**3 414**	**4 264**
Assemblers	994	87	87	147	150	224	200	67	18	14	–	3 116	4 218
Bottling and canning operatives	24	5	–	19	–	–	–	–	–	–	–	...	–
Checkers, examiners, and inspectors; manufacturing	967	33	31	70	121	248	310	105	27	22	–	3 921	4 353
Dressmakers and seamstresses, except factory	108	–	9	5	39	24	26	5	–	–	–	3 042	...
Laundry and drycleaning operatives, including ironers	269	14	17	39	36	55	67	18	19	4	–	3 518	4 409
Graders and sorters, manufacturing	55	–	–	13	–	15	27	–	–	–	–	...	...
Packers and wrappers, except produce	799	44	70	209	178	146	83	43	13	6	7	2 430	3 600
Sewers and stitchers	1 654	20	77	271	373	528	235	94	31	16	4	3 153	3 788
Textile operatives	422	20	26	51	59	88	129	34	15	–	–	3 625	4 397
Other specified operatives	1 480	41	97	182	157	390	302	147	100	48	16	3 674	4 338
Miscellaneous and not specified operatives	2 093	84	164	182	286	493	459	251	89	65	20	3 670	4 464
Manufacturing	1 920	70	141	154	253	476	424	237	89	56	20	3 718	4 507
Durable goods	1 005	25	80	66	118	229	203	155	70	43	16	3 932	4 715
Machinery, including electrical	369	6	28	13	41	94	70	61	31	20	5	4 036	4 950
Other durable goods	636	19	52	53	77	135	133	94	39	23	11	3 867	4 580
Nondurable goods, including not specified manufacturing	915	45	61	88	135	247	221	82	19	13	4	3 520	4 364
Food and kindred products	24	6	–	9	5	–	4	–	–	–	–	...	...
Apparel and other fabricated textile products	102	5	4	9	21	42	11	5	5	–	–	3 286	...
Nonmanufacturing industries	173	14	23	28	33	17	35	14	–	9	–	2 652	...
Transport equipment operatives	**175**	**20**	**26**	**73**	**20**	**5**	**5**	**10**	**6**	**10**	–	**1 568**	...
Laborers, except farm	**472**	**48**	**38**	**120**	**52**	**84**	**42**	**46**	**9**	**33**	–	**2 577**	**4 071**
Farmers and farm managers	**6**	–	–	–	–	–	**6**	–	–	–	–	...	...
Farm laborers and farm foremen	**41**	**6**	**5**	**12**	**5**	**3**	**10**	–	–	–	–	...	...
Paid farm laborers and farm foremen	35	–	5	12	5	3	10	–	–	–	–	...	...
Unpaid family workers	6	6	–	–	–	–	–	–	–	–	–	...	...
Service workers, except private household[1]	**9 357**	**1 092**	**1 208**	**1 937**	**1 404**	**1 121**	**1 103**	**629**	**467**	**331**	**65**	**2 314**	**4 139**
Cleaning service workers	957	85	69	169	125	219	173	89	28	–	–	3 139	3 985
Chambermaids and maids	274	13	23	82	32	48	42	30	4	–	–	2 594	4 167
Food service workers	3 301	528	533	985	545	291	242	102	43	23	9	1 598	3 042
Cooks, except private household	524	29	20	121	123	46	108	44	29	4	–	2 748	3 963
Waiters and food counter workers	2 098	376	398	670	304	169	94	54	14	19	–	1 410	2 671
Health service workers	3 112	214	317	486	446	389	396	287	310	245	22	3 239	4 989
Nursing aides, orderlies, and attendants	1 518	122	192	281	242	209	197	98	125	42	10	2 678	4 402
Practical nurses	845	21	15	61	95	110	79	120	150	189	5	5 346	6 300
Personal service workers	1 300	163	127	214	191	175	195	100	71	40	24	2 764	4 000
Hairdressers and cosmetologists	733	35	50	103	102	107	145	73	59	35	24	3 715	4 038
Private household workers	**720**	**163**	**120**	**200**	**131**	**59**	**10**	**22**	**5**	**10**	–	**1 385**	**2 330**
Private household workers, living in	100	–	5	39	22	24	5	5	–	–	–	...	...
Private household workers, living out	620	163	115	161	109	35	5	17	5	10	–	1 199	2 303

[1]Includes protective service workers and allocated cases not shown separately.

Table 177. **Selected Occupation by Major Industry of the Experienced Civilian Labor Force by Earnings in 1969 and Sex: 1970**

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State	Persons with earnings										Median earnings (dollars)	Percent worked 50 to 52 weeks
	Total, 16 years old and over	$1 to $1,999 or loss	$2,000 to $3,999	$4,000 to $4,999	$5,000 to $5,999	$6,000 to $6,999	$7,000 to $7,999	$8,000 to $9,999	$10,000 to $14,999	$15,000 or more		
Male experienced civilian labor force	1 400 921	145 116	114 608	69 985	105 984	127 495	148 114	251 265	290 457	147 897	7 927	71.5
Agriculture, forestry, and fisheries	18 814	4 477	2 933	1 480	1 842	1 652	1 450	1 769	1 934	1 277	5 281	60.7
Professional and managerial workers, except farm	2 032	127	101	49	134	198	149	287	460	527	9 798	71.5
Clerical and sales workers	380	53	39	17	35	37	30	73	67	29	7 300	76.8
Laborers, except farm	4 896	1 092	897	403	524	385	470	496	431	198	5 107	42.9
Other blue-collar workers	1 597	196	189	129	146	269	186	221	241	20	6 515	60.9
Farmers and farm managers	4 533	952	777	451	434	317	283	360	511	448	5 199	85.8
Farm laborers and farm foremen	5 101	2 000	916	415	538	428	283	284	182	55	3 202	50.6
Service workers, except private household	275	57	14	16	31	18	49	48	42	–	7 031	50.5
Mining	1 749	97	90	69	113	159	193	371	479	178	8 827	70.9
Professional, technical, and kindred workers	217	16	11	–	4	9	11	30	61	75	12 254	78.3
Managers and administrators, except farm	117	–	–	–	–	5	–	32	49	31	12 194	95.7
Clerical and sales workers	88	–	–	4	10	4	16	9	28	17	...	...
Craftsmen and kindred workers	442	–	18	9	20	34	43	100	174	44	9 940	72.4
Operatives, except transport	433	49	36	27	32	39	51	83	105	11	7 657	66.5
Transport equipment operatives, and laborers, except farm	415	25	21	29	47	65	72	102	54	–	7 285	59.5
Service workers, except private household	37	7	4	–	–	3	–	15	8	–	...	...
Construction	127 321	8 850	10 415	7 179	10 763	12 110	13 908	22 715	30 517	10 864	8 038	57.9
Professional, technical, and kindred workers	5 596	141	162	132	173	182	322	798	2 350	1 336	11 889	84.7
Managers and administrators, except farm	11 481	396	463	306	559	538	735	1 265	3 579	3 640	12 066	76.8
Sales workers	884	27	41	26	49	58	106	162	219	196	9 667	80.5
Clerical and kindred workers	2 694	227	157	89	159	202	273	442	695	450	9 086	77.9
Craftsmen and kindred workers	77 119	4 770	5 833	4 146	6 160	7 172	8 555	15 077	20 624	4 782	8 255	55.8
Operatives, except transport	4 592	330	410	204	438	422	466	1 015	1 151	156	8 051	58.6
Transport equipment operatives	5 144	257	460	435	548	918	902	996	548	80	6 950	61.1
Laborers, except farm	18 735	2 509	2 728	1 774	2 513	2 511	2 420	2 831	1 235	214	5 938	42.0
Service workers, except private household	1 076	193	161	67	164	107	129	129	116	10	5 713	59.6
Manufacturing, total	457 647	28 579	29 422	24 048	37 816	47 364	54 987	93 199	100 040	42 192	8 142	77.0
Professional, technical, and kindred workers	73 293	1 880	2 367	1 351	2 316	2 799	4 919	13 032	29 288	15 341	11 363	86.0
Managers and administrators, except farm	38 168	677	644	398	627	993	1 592	4 234	12 537	16 466	13 956	91.5
Sales workers	15 230	1 403	550	367	554	722	929	2 175	4 555	3 975	11 004	81.7
Clerical and kindred workers	33 611	2 976	2 496	2 212	3 893	4 984	4 922	6 946	4 324	858	7 050	74.7
Craftsmen and kindred workers	115 961	4 614	4 902	4 218	7 819	11 570	16 331	31 433	30 858	4 216	8 543	80.1
Operatives, except transport	143 689	11 866	13 890	11 798	17 494	21 301	21 669	29 598	15 066	1 007	6 789	69.3
Transport equipment operatives	11 828	769	817	724	1 313	1 569	1 872	2 725	1 880	159	7 386	73.7
Laborers, except farm	13 843	2 690	2 057	1 562	2 002	1 864	1 511	1 421	662	74	5 306	57.6
Service workers, except private household	12 024	1 704	1 699	1 418	1 798	1 562	1 242	1 635	870	96	5 662	65.1
Manufacturing, durable goods	287 916	14 139	15 695	12 615	21 666	28 988	34 951	61 498	69 457	28 907	8 517	78.1
Professional, technical, and kindred workers	59 221	1 338	1 690	1 026	1 819	2 138	3 685	10 349	24 435	12 741	11 548	86.6
Managers and administrators, except farm	22 791	323	365	161	386	531	850	2 540	7 543	10 092	14 136	92.3
Sales workers	5 790	176	102	111	263	290	280	724	2 009	1 835	12 362	85.8
Clerical and kindred workers	20 493	1 292	1 353	1 257	2 263	3 178	3 052	4 643	2 864	591	7 296	75.7
Craftsmen and kindred workers	76 123	2 807	3 020	2 553	4 899	7 644	10 899	20 787	20 655	2 859	8 600	79.8
Operatives, except transport	84 792	5 933	6 979	5 686	9 292	12 608	13 774	19 581	10 299	640	7 138	69.8
Transport equipment operatives	4 643	243	330	332	602	655	846	936	640	59	7 189	72.2
Laborers, except farm	7 044	1 152	1 010	722	1 032	1 023	796	852	434	23	5 618	58.7
Service workers, except private household	7 019	875	846	767	1 110	921	769	1 086	578	67	5 920	67.4
Manufacturing, nondurable goods, including not specified	169 731	14 440	13 727	11 433	16 150	18 376	20 036	31 701	30 583	13 285	7 536	75.2
Professional, technical, and kindred workers	14 072	542	677	325	497	661	1 234	2 683	4 853	2 600	10 430	83.7
Managers and administrators, except farm	15 377	354	279	237	241	462	742	1 694	4 994	6 374	13 684	90.3
Sales workers	9 440	1 227	448	256	291	432	649	1 451	2 546	2 140	9 953	79.2
Clerical and kindred workers	13 118	1 684	1 143	955	1 630	1 806	1 870	2 303	1 460	267	6 635	73.2
Craftsmen and kindred workers	39 838	1 807	1 882	1 665	2 920	3 926	5 432	10 646	10 203	1 357	8 430	80.6
Operatives, except transport	58 897	5 933	6 911	6 112	8 202	8 693	7 895	10 017	4 767	367	6 263	68.6
Transport equipment operatives	7 185	526	487	392	711	914	1 026	1 789	1 240	100	7 548	74.7
Laborers, except farm	6 799	1 538	1 047	840	970	841	715	569	228	51	4 970	56.4
Service workers, except private household	5 005	829	853	651	688	641	473	549	292	29	5 246	61.9
Transportation, communications, and other public utilities	99 247	5 847	5 838	3 859	6 264	8 708	11 044	21 156	28 414	8 117	8 762	77.2
Professional, technical, and kindred workers	8 117	365	264	118	206	403	455	1 112	2 974	2 220	11 909	82.3
Managers and administrators, except farm	8 402	231	190	127	171	282	481	1 342	3 099	2 479	12 222	87.1
Sales workers	1 729	77	30	62	44	68	141	400	602	305	10 353	89.5
Clerical and kindred workers	10 827	634	644	397	769	1 236	1 817	2 810	2 111	409	7 954	79.8
Craftsmen and kindred workers	27 527	851	849	550	1 156	2 038	3 018	6 116	11 147	1 802	9 734	84.4
Operatives, except transport	3 268	196	197	210	269	368	555	706	701	66	7 710	74.4
Transport equipment operatives	27 428	2 090	2 338	1 411	2 127	2 562	3 070	6 675	6 498	657	8 035	69.2
Laborers, except farm	8 796	1 066	1 093	769	1 127	1 240	1 121	1 393	866	121	6 277	62.2
Service workers, except private household	3 153	337	233	215	395	511	386	602	416	58	6 776	74.7
Wholesale trade	75 022	5 695	4 702	3 261	5 269	6 673	8 139	14 015	16 505	10 763	8 538	78.8
Professional, technical, and kindred workers	4 499	192	211	66	146	244	268	812	1 641	919	10 946	84.5
Managers and administrators, except farm	14 457	454	363	179	405	683	894	1 932	4 197	5 350	12 762	90.5
Sales workers	18 753	717	632	515	1 083	1 299	1 900	3 521	5 322	3 764	9 835	84.6
Clerical and kindred workers	7 722	1 135	871	586	797	1 022	1 014	1 480	695	122	6 462	69.0
Craftsmen and kindred workers	8 927	363	413	388	668	862	1 220	2 353	2 245	415	8 467	81.0
Operatives, except transport	6 418	775	629	518	689	944	958	1 295	568	42	6 633	67.5
Transport equipment operatives	8 721	715	744	538	887	1 110	1 210	1 926	1 479	112	7 303	73.4
Laborers, except farm	4 524	1 137	720	391	445	429	547	556	278	21	5 031	54.6
Service workers, except private household	1 001	207	119	80	149	80	128	140	80	18	5 634	63.0
Retail trade	197 783	45 074	24 767	11 037	15 369	16 581	18 616	26 304	26 539	13 496	6 159	64.6
Professional, technical, and kindred workers	7 011	459	387	235	338	335	594	1 270	2 320	1 073	9 823	80.1
Managers and administrators, except farm	41 525	1 796	2 245	1 510	2 526	3 246	4 616	7 580	9 999	8 007	9 273	85.5
Sales workers	36 873	8 136	4 733	2 035	2 848	3 339	3 577	4 553	5 081	2 571	6 205	65.8
Clerical and kindred workers	14 311	4 647	2 972	904	986	1 227	1 239	1 285	836	215	3 688	53.8
Craftsmen and kindred workers	26 993	2 417	2 174	1 664	2 619	3 220	3 800	5 505	4 581	1 013	7 369	76.5
Operatives, except transport	16 097	5 329	2 580	934	1 404	1 220	1 275	2 177	1 009	169	4 149	52.7
Transport equipment operatives	9 093	1 377	1 160	652	997	1 111	1 172	1 447	1 021	156	6 324	66.0
Laborers, except farm	16 109	9 029	2 886	702	909	851	673	665	349	45	1 784	36.3
Service workers, except private household	29 771	11 884	5 630	2 401	2 742	2 032	1 670	1 822	1 343	247	3 066	46.1

Table 177. **Selected Occupation by Major Industry of the Experienced Civilian Labor Force by Earnings in 1969 and Sex: 1970**—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State	Total, 16 years old and over	Persons with earnings: $1 to $1,999 or loss	$2,000 to $3,999	$4,000 to $4,999	$5,000 to $5,999	$6,000 to $6,999	$7,000 to $7,999	$8,000 to $9,999	$10,000 to $14,999	$15,000 or more	Median earnings (dollars)	Percent worked 50 to 52 weeks
Male experienced civilian labor force—Continued												
Finance, insurance, and real estate	**63 154**	**4 844**	**4 786**	**2 912**	**4 161**	**4 638**	**5 076**	**9 787**	**14 594**	**12 356**	**9 054**	**77.8**
Professional, technical, and kindred workers	6 557	285	309	235	238	306	480	1 230	2 295	1 179	10 426	80.4
Managers and administrators, except farm	15 516	532	533	301	523	639	937	2 212	4 696	5 143	12 216	87.6
Sales workers	19 511	983	984	627	968	1 144	1 474	3 023	4 900	5 408	10 564	79.3
Clerical and kindred workers	12 980	1 737	1 865	944	1 278	1 186	1 300	2 116	2 007	547	6 562	68.3
Craftsmen and kindred workers	2 238	145	186	105	193	263	293	615	396	42	7 775	73.1
Operatives, except transport	338	35	47	29	53	40	47	45	36	6	6 125	69.5
Transport equipment operatives	349	59	43	10	54	73	39	46	20	5	6 116	65.9
Laborers, except farm	1 328	292	117	104	205	316	112	134	48	-	5 737	63.9
Service workers, except private household	4 337	776	702	557	649	671	394	366	196	26	5 206	68.8
Business and repair services	**51 091**	**7 130**	**5 499**	**3 003**	**4 052**	**4 329**	**4 414**	**7 224**	**9 165**	**6 275**	**7 347**	**69.7**
Professional, technical, and kindred workers	9 391	625	566	277	364	442	413	1 289	2 862	2 553	11 257	75.3
Managers and administrators, except farm	6 331	272	261	200	207	237	419	829	1 772	2 134	12 089	87.7
Sales workers	1 991	123	156	73	74	117	125	281	562	480	10 414	79.1
Clerical and kindred workers	2 975	495	407	220	279	335	275	464	375	125	6 258	63.9
Craftsmen and kindred workers	17 266	1 725	1 799	1 002	1 902	2 018	2 133	3 175	2 798	714	7 088	73.7
Operatives, except transport	3 299	574	393	244	371	377	414	480	312	134	6 179	63.4
Transport equipment operatives	1 459	385	219	154	149	194	139	117	93	9	4 815	53.3
Laborers, except farm	1 850	858	393	138	124	123	64	81	58	11	2 341	31.7
Service workers, except private household	6 529	2 073	1 305	695	582	486	432	508	333	115	3 826	50.7
Personal services	**27 805**	**5 065**	**4 058**	**2 444**	**3 538**	**2 579**	**2 522**	**2 895**	**2 904**	**1 800**	**5 660**	**66.1**
Professional and managerial workers, except farm	5 994	464	401	230	460	549	503	775	1 356	1 256	9 006	79.8
Clerical and sales workers	1 529	357	264	127	214	116	90	156	148	57	5 077	60.9
Craftsmen and operatives, including transport	6 531	1 086	930	636	909	720	874	796	443	137	5 675	68.7
Laborers, except farm	1 700	643	325	218	249	138	58	39	20	10	3 274	46.4
Service workers, except private household	11 211	2 135	1 951	1 168	1 618	1 027	973	1 088	920	331	5 217	62.4
Private household workers	840	380	187	65	88	29	24	41	17	9	2 428	47.6
Entertainment and recreation services	**10 133**	**2 815**	**1 548**	**634**	**821**	**636**	**764**	**1 024**	**1 120**	**771**	**5 085**	**46.5**
Professional, technical, and kindred workers	2 334	487	350	144	151	120	159	255	317	351	6 292	44.0
Managers and administrators, except farm	1 596	89	181	64	101	94	143	233	373	318	9 082	72.0
Sales workers	220	104	33	2	16	6	-	5	41	13	2 364	36.4
Clerical and kindred workers	462	114	93	39	50	29	40	45	32	20	4 615	36.4
Craftsmen and kindred workers	908	125	95	57	114	65	157	150	118	27	6 969	62.2
Operatives, except transport	141	22	18	23	12	5	21	24	16	-	5 625	40.4
Transport equipment operatives	108	25	11	-	24	19	6	11	12	-	5 750	33.3
Laborers, except farm	1 200	462	214	82	105	75	82	106	63	11	3 290	33.8
Service workers, except private household	3 164	1 387	553	223	248	223	156	195	148	31	2 705	38.7
Professional and related services	**183 127**	**22 692**	**17 145**	**8 048**	**11 954**	**14 354**	**14 504**	**23 138**	**37 734**	**33 558**	**8 248**	**63.6**
Professional, technical, and kindred workers	111 177	8 758	9 843	3 528	4 296	5 677	7 469	14 753	28 713	28 140	10 220	62.5
Managers and administrators, except farm	13 376	481	355	211	252	448	754	1 562	4 708	4 605	12 788	78.1
Sales workers	775	79	85	49	49	62	30	86	157	178	8 779	66.3
Clerical and kindred workers	9 386	3 255	1 594	550	805	798	649	838	711	186	3 804	48.1
Craftsmen and kindred workers	8 795	579	322	262	699	1 132	1 601	2 329	1 641	230	7 877	79.5
Operatives, except transport	2 724	490	326	259	248	430	310	402	232	27	6 091	61.9
Transport equipment operatives	949	154	93	67	155	184	116	115	56	9	6 030	69.2
Laborers, except farm	2 313	561	364	162	411	395	221	124	75	-	5 169	58.8
Service workers, except private household	33 632	8 335	4 163	2 960	5 039	5 228	3 354	2 929	1 441	183	5 269	61.9
Public administration	**88 028**	**3 951**	**3 405**	**2 011**	**4 022**	**7 712**	**12 497**	**27 668**	**20 512**	**6 250**	**8 753**	**85.2**
Professional, technical, and kindred workers	11 201	418	513	214	333	497	724	1 919	3 817	2 766	11 287	85.8
Managers and administrators, except farm	8 985	293	250	108	194	397	560	1 955	3 503	1 725	11 050	89.4
Sales workers	82	5	-	-	14	10	15	9	21	8	...	...
Clerical and kindred workers	23 905	1 051	1 050	586	1 186	2 495	4 667	9 098	3 103	669	8 202	83.1
Craftsmen and kindred workers	6 460	357	501	159	329	701	1 325	1 941	1 006	141	7 893	85.0
Operatives, except transport	1 096	45	20	30	75	173	284	313	145	11	7 722	84.0
Transport equipment operatives	1 492	50	100	34	166	328	253	421	128	12	7 269	82.2
Laborers, except farm	4 054	383	293	295	624	887	857	522	168	25	6 487	71.3
Service workers, except private household	30 753	1 349	678	585	1 101	2 224	3 812	11 490	8 621	893	8 980	87.4
Female experienced civilian labor force	**919 443**	**257 350**	**232 539**	**126 949**	**112 351**	**71 103**	**43 625**	**43 312**	**26 862**	**5 352**	**3 741**	**50.7**
Agriculture, forestry, and fisheries	**3 281**	**1 447**	**776**	**321**	**280**	**185**	**89**	**77**	**62**	**44**	**2 499**	**48.3**
Professional and managerial workers, except farm	251	77	59	31	16	24	7	19	8	10	3 644	48.2
Clerical and sales workers	939	276	239	141	160	62	26	31	4	-	3 619	59.2
Laborers, except farm	334	144	94	21	13	6	28	4	8	16	2 489	43.4
Other blue-collar workers	283	143	92	13	15	10	-	6	4	-	1 979	28.3
Farmers and farm managers	455	198	69	43	32	45	15	12	29	12	2 855	72.7
Farm laborers and farm foremen	942	573	208	61	40	27	13	5	9	6	1 644	34.0
Service workers, except private household	77	36	15	11	4	11	-	-	-	-	...	...
Mining	**234**	**52**	**67**	**16**	**30**	**19**	**4**	**41**	**5**	**-**	**3 940**	**56.0**
Professional, technical, and kindred workers	-	-	-	-	-	-	-	-	-	-	-	-
Managers and administrators, except farm	10	-	-	-	5	-	-	5	-	-	...	...
Clerical and sales workers	120	16	33	5	25	14	4	18	5	-	5 240	67.5
Craftsmen and kindred workers	8	-	-	-	-	-	-	8	-	-	...	-
Operatives, except transport	85	36	34	6	-	5	-	4	-	-	...	...
Transport equipment operatives, and laborers, except farm	11	-	-	5	-	-	-	6	-	-	...	...
Service workers, except private household	-	-	-	-	-	-	-	-	-	-	-	-
Construction	**6 833**	**1 176**	**1 402**	**930**	**1 205**	**813**	**435**	**427**	**338**	**107**	**4 902**	**64.3**
Professional, technical, and kindred workers	261	23	36	10	37	15	29	58	38	15	7 328	75.1
Managers and administrators, except farm	308	25	19	19	36	57	38	61	34	19	6 965	75.0
Sales workers	39	12	6	5	5	-	6	5	-	-	...	...
Clerical and kindred workers	5 024	965	1 107	755	987	628	234	210	103	35	4 583	67.7
Craftsmen and kindred workers	722	59	112	71	86	65	83	72	142	32	6 508	49.9
Operatives, except transport	148	22	51	34	4	8	-	5	18	6	4 029	40.5
Transport equipment operatives	35	7	-	-	4	15	3	6	-	-	...	...
Laborers, except farm	198	19	51	31	28	25	31	10	3	-	4 935	22.2
Service workers, except private household	98	44	20	5	18	-	11	-	-	-	...	...

Table 177. **Selected Occupation by Major Industry of the Experienced Civilian Labor Force by Earnings in 1969 and Sex: 1970**—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State	Persons with earnings											
	Total, 16 years old and over	$1 to $1,999 or loss	$2,000 to $3,999	$4,000 to $4,999	$5,000 to $5,999	$6,000 to $6,999	$7,000 to $7,999	$8,000 to $9,999	$10,000 to $14,999	$15,000 or more	Median earnings (dollars)	Percent worked 50 to 52 weeks
Female experienced civilian labor force—Continued												
Manufacturing, total	**228 161**	**38 491**	**71 753**	**47 489**	**36 735**	**17 309**	**7 783**	**5 233**	**2 438**	**930**	**4 081**	**56.7**
Professional, technical, and kindred workers	8 670	869	1 151	1 031	1 392	1 156	990	1 072	796	213	5 922	70.4
Managers and administrators, except farm	2 705	163	236	232	425	372	305	371	340	261	6 797	81.6
Sales workers	1 548	626	318	136	126	113	61	63	64	41	2 931	51.0
Clerical and kindred workers	63 549	8 672	12 849	13 450	14 472	7 978	3 527	1 909	541	151	4 762	67.4
Craftsmen and kindred workers	10 384	1 379	2 834	1 995	1 609	1 023	648	545	302	49	4 491	64.1
Operatives, except transport	137 243	25 560	53 010	29 987	18 270	6 515	2 167	1 172	367	195	3 625	50.0
Transport equipment operatives	166	35	20	18	18	5	20	32	18	–	5 556	59.6
Laborers, except farm	2 428	707	866	443	220	87	45	35	5	20	3 171	49.8
Service workers, except private household	1 468	480	469	197	203	60	20	34	5	–	3 083	55.3
Manufacturing, durable goods	**105 753**	**15 199**	**26 201**	**22 372**	**21 693**	**10 503**	**4 669**	**3 154**	**1 484**	**478**	**4 513**	**61.9**
Professional, technical, and kindred workers	4 876	241	558	550	812	673	629	726	522	165	6 412	74.2
Managers and administrators, except farm	1 317	40	105	110	198	216	163	202	172	111	6 951	84.8
Sales workers	383	90	74	52	47	40	5	19	33	23	4 529	59.0
Clerical and kindred workers	36 541	4 028	6 632	7 461	9 285	5 162	2 366	1 179	357	71	5 016	69.1
Craftsmen and kindred workers	4 637	579	1 044	823	862	520	343	298	146	22	4 845	66.9
Operatives, except transport	56 129	9 740	17 148	13 079	10 220	3 806	1 110	700	240	86	4 090	55.5
Transport equipment operatives	59	14	–	5	12	–	11	8	9	–	...	...
Laborers, except farm	1 033	256	389	183	103	59	27	16	–	–	3 339	50.6
Service workers, except private household	778	211	251	109	154	27	15	6	5	–	3 418	58.6
Manufacturing, nondurable goods, including not specified	**122 408**	**23 292**	**45 552**	**25 117**	**15 042**	**6 806**	**3 114**	**2 079**	**954**	**452**	**3 665**	**52.2**
Professional, technical, and kindred workers	3 794	628	593	481	580	483	361	346	274	48	5 336	65.4
Managers and administrators, except farm	1 388	123	131	122	227	156	142	169	168	150	6 583	78.5
Sales workers	1 165	536	244	84	79	73	56	44	31	18	2 381	48.3
Clerical and kindred workers	27 008	4 644	6 217	5 989	5 187	2 816	1 161	730	184	80	4 441	65.0
Craftsmen and kindred workers	5 747	800	1 790	1 172	747	503	305	247	156	27	4 242	62.0
Operatives, except transport	81 114	15 820	35 862	16 908	8 050	2 709	1 057	472	127	109	3 380	46.2
Transport equipment operatives	107	21	20	13	6	5	9	24	9	–	4 962	55.1
Laborers, except farm	1 395	451	477	260	117	28	18	19	5	20	3 034	49.2
Service workers, except private household	690	269	218	88	49	33	5	28	–	–	2 697	51.6
Transportation, communications, and other public utilities	**33 688**	**6 527**	**6 467**	**4 580**	**6 331**	**4 829**	**2 331**	**1 786**	**712**	**125**	**4 841**	**61.0**
Professional, technical, and kindred workers	1 260	96	151	111	182	217	134	191	151	27	6 415	68.0
Managers and administrators, except farm	1 093	93	158	131	182	126	140	140	103	20	5 904	71.3
Sales workers	423	49	85	30	102	67	60	21	4	5	5 466	77.1
Clerical and kindred workers	26 178	4 921	5 067	3 827	5 229	3 933	1 655	1 204	303	39	4 810	62.7
Craftsmen and kindred workers	468	16	57	43	70	75	68	54	71	14	6 640	80.6
Operatives, except transport	274	46	84	45	36	28	13	13	3	6	4 156	57.3
Transport equipment operatives	2 078	1 096	597	111	80	61	46	24	49	14	1 896	23.5
Laborers, except farm	190	35	46	46	25	9	9	10	10	–	4 304	51.6
Service workers, except private household	1 724	175	222	236	425	313	206	129	18	–	5 539	62.1
Wholesale trade	**24 430**	**4 982**	**6 057**	**4 154**	**4 080**	**2 321**	**1 297**	**873**	**456**	**210**	**4 283**	**59.4**
Professional, technical, and kindred workers	721	72	109	75	74	77	86	135	69	24	6 396	64.4
Managers and administrators, except farm	910	75	92	49	122	140	110	120	104	98	6 836	77.4
Sales workers	1 195	382	282	150	65	75	50	67	75	49	3 528	50.2
Clerical and kindred workers	16 024	2 970	3 663	2 915	3 100	1 760	915	482	197	22	4 473	62.4
Craftsmen and kindred workers	692	138	193	128	114	64	26	24	5	–	4 117	61.0
Operatives, except transport	4 122	1 085	1 458	733	537	176	87	34	2	10	3 339	48.0
Transport equipment operatives	72	15	19	–	13	–	7	7	4	7	...	...
Laborers, except farm	522	166	200	77	47	26	2	4	–	–	2 950	47.7
Service workers, except private household	172	79	41	27	8	3	14	–	–	–	2 341	39.0
Retail trade	**164 601**	**78 398**	**47 960**	**15 654**	**10 416**	**4 990**	**2 829**	**2 290**	**1 444**	**620**	**2 163**	**44.3**
Professional, technical, and kindred workers	2 053	368	361	268	301	214	193	191	123	34	5 098	63.6
Managers and administrators, except farm	9 261	1 335	2 149	1 265	1 301	898	755	662	601	295	4 906	71.1
Sales workers	53 089	28 292	17 311	3 872	1 686	691	436	425	267	109	1 876	40.9
Clerical and kindred workers	50 816	19 995	14 898	6 758	5 009	2 248	886	601	311	110	2 727	50.5
Craftsmen and kindred workers	2 244	592	624	314	287	154	125	97	24	27	3 699	53.7
Operatives, except transport	7 039	2 575	2 405	961	660	267	82	43	33	13	2 785	45.8
Transport equipment operatives	252	77	88	17	24	33	3	10	–	–	3 114	50.8
Laborers, except farm	1 675	842	552	150	84	19	15	13	–	–	1 989	36.9
Service workers, except private household	38 172	24 322	9 572	2 049	1 064	466	334	248	85	32	1 569	32.7
Finance, insurance, and real estate	**69 173**	**12 511**	**15 430**	**13 217**	**12 381**	**7 029**	**3 755**	**2 723**	**1 614**	**513**	**4 503**	**63.6**
Professional, technical, and kindred workers	3 012	258	433	334	318	445	365	537	279	43	6 366	63.2
Managers and administrators, except farm	3 399	273	313	335	564	508	471	461	369	105	6 422	81.4
Sales workers	4 955	967	890	439	654	523	430	295	466	291	5 278	60.1
Clerical and kindred workers	56 018	10 466	13 133	11 808	10 692	5 506	2 456	1 401	487	69	4 373	63.0
Craftsmen and kindred workers	165	19	29	20	14	32	21	16	9	5	6 016	73.3
Operatives, except transport	216	66	49	54	38	5	–	–	4	–	3 714	52.3
Transport equipment operatives	–	–	–	–	–	–	–	–	–	–	–	–
Laborers, except farm	141	94	9	9	11	–	9	9	–	–	1 500	66.0
Service workers, except private household	1 267	368	574	218	90	10	3	4	–	–	2 925	60.2
Business and repair services	**19 086**	**5 960**	**4 412**	**2 309**	**2 326**	**1 603**	**939**	**765**	**563**	**209**	**3 624**	**48.6**
Professional, technical, and kindred workers	2 558	492	450	182	239	268	238	324	295	70	5 649	52.9
Managers and administrators, except farm	703	83	91	42	129	80	76	75	69	58	6 081	69.7
Sales workers	619	291	170	38	21	41	30	15	9	4	2 218	41.8
Clerical and kindred workers	12 608	4 149	2 994	1 697	1 747	1 053	542	254	132	40	3 440	47.1
Craftsmen and kindred workers	516	81	89	81	58	48	24	59	39	37	5 121	66.7
Operatives, except transport	960	342	285	148	79	69	21	12	4	–	2 968	43.3
Transport equipment operatives	87	37	24	18	8	–	–	–	–	–	...	...
Laborers, except farm	105	58	31	11	–	5	–	–	–	–	1 810	53.3
Service workers, except private household	930	427	278	92	45	39	8	26	15	–	2 273	41.4
Personal services	**46 009**	**21 262**	**14 296**	**4 476**	**2 620**	**1 361**	**839**	**627**	**363**	**165**	**2 244**	**46.2**
Professional and managerial workers, except farm	2 064	582	413	160	244	169	174	163	74	85	4 231	58.4
Clerical and sales workers	7 260	3 039	2 200	838	601	295	166	73	42	6	2 537	48.6
Craftsmen and operatives, including transport	6 352	2 202	2 635	891	390	133	57	31	–	13	2 739	49.9
Laborers, except farm	302	162	81	16	29	10	–	–	4	–	1 864	49.0
Service workers, except private household	16 069	6 160	5 268	1 880	1 149	663	368	295	225	61	2 712	45.9
Private household workers	13 962	9 117	3 699	691	207	91	74	65	18	–	1 531	41.8

Table 177. **Selected Occupation by Major Industry of the Experienced Civilian Labor Force by Earnings in 1969 and Sex: 1970**—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State	Persons with earnings											
	Total, 16 years old and over	$1 to $1,999 or loss	$2,000 to $3,999	$4,000 to $4,999	$5,000 to $5,999	$6,000 to $6,999	$7,000 to $7,999	$8,000 to $9,999	$10,000 to $14,999	$15,000 or more	Median earnings (dollars)	Percent worked 50 to 52 weeks
Female experienced civilian labor force—Continued												
Entertainment and recreation services	**4 819**	**2 626**	**955**	**333**	**315**	**242**	**135**	**103**	**64**	**46**	**1 835**	**34.6**
Professional, technical, and kindred workers	1 141	681	233	65	43	40	22	11	36	10	1 675	18.9
Managers and administrators, except farm	276	67	48	26	55	23	12	14	14	17	4 885	71.4
Sales workers	281	241	20	5	–	11	4	–	–	–	1 166	26.3
Clerical and kindred workers	1 528	683	291	149	141	118	51	66	10	19	2 557	51.4
Craftsmen and kindred workers	29	11	15	–	3	–	–	–	–	–	...	...
Operatives, except transport	31	–	19	–	5	7	–	–	–	–	...	...
Transport equipment operatives	6	–	–	–	–	–	–	6	–	–	...	...
Laborers, except farm	59	27	15	5	–	4	4	–	4	–	...	...
Service workers, except private household	1 468	916	314	83	68	39	42	6	–	–	1 603	23.2
Professional and related services	**288 032**	**78 263**	**58 498**	**29 887**	**29 859**	**25 848**	**20 163**	**25 660**	**17 666**	**2 188**	**4 243**	**43.8**
Professional, technical, and kindred workers	133 196	26 005	21 705	8 746	9 601	14 253	14 484	21 575	15 252	1 575	6 038	38.9
Managers and administrators, except farm	7 295	1 145	1 020	502	568	580	620	969	1 457	434	6 711	54.2
Sales workers	761	403	178	55	30	12	25	19	28	11	1 888	35.0
Clerical and kindred workers	74 016	21 110	15 467	11 192	12 819	7 294	3 324	2 063	636	111	4 039	53.3
Craftsmen and kindred workers	907	214	336	90	124	41	43	23	36	–	3 426	40.6
Operatives, except transport	2 577	812	673	460	318	240	45	24	–	5	3 416	56.9
Transport equipment operatives	105	81	19	–	–	5	–	–	–	–	1 296	18.1
Laborers, except farm	426	150	132	46	62	20	–	11	5	–	2 955	52.1
Service workers, except private household	68 749	28 343	18 968	8 796	6 337	3 403	1 622	976	252	52	2 636	41.6
Public administration	**31 096**	**5 655**	**4 466**	**3 583**	**5 773**	**4 554**	**3 026**	**2 707**	**1 137**	**195**	**5 319**	**65.5**
Professional, technical, and kindred workers	3 778	443	459	271	348	499	603	680	415	60	6 737	65.2
Managers and administrators, except farm	1 818	204	181	131	198	252	220	317	291	24	6 774	75.1
Sales workers	54	7	21	–	10	–	–	10	6	–	...	...
Clerical and kindred workers	22 312	3 536	3 342	2 863	4 874	3 630	2 118	1 498	352	99	5 290	68.3
Craftsmen and kindred workers	121	24	20	10	13	12	9	19	14	–	5 500	69.4
Operatives, except transport	120	29	29	10	17	5	17	13	–	–	4 200	51.7
Transport equipment operatives	20	9	–	–	–	7	–	4	–	–	...	...
Laborers, except farm	84	19	3	11	25	10	9	7	–	–	...	...
Service workers, except private household	2 789	1 384	411	287	288	139	50	159	59	12	2 051	37.6

Table 178. Occupational and Geographic Mobility Between 1965 and 1970 by Race and Sex: 1970

[Data based on sample, see text. For meaning of symbols, see text]

The State	Persons 25 years old and over	Occupation of workers in 1965: Total working[1]	Professional, technical, and kindred workers	Managers and administrators, except farm	Sales workers	Clerical and kindred workers	Craftsmen and kindred workers	Operatives, including transport	Laborers, except farm	Farmers and farm managers	Farm laborers and farm foremen	Service workers, except private household	Private household workers	Armed Forces in 1965	Did not work in 1965 and work in 1965 not reported
TOTAL															
Total															
Male	**1 446 661**	**1 133 397**	**170 457**	**130 943**	**76 058**	**81 611**	**240 980**	**199 467**	**49 406**	**5 633**	**4 075**	**91 574**	**642**	**51 162**	**262 102**
Employed in 1970	1 140 966	1 012 485	160 898	119 816	70 098	73 448	213 513	175 763	40 417	4 869	3 407	78 470	419	38 211	90 270
Professional, technical, and kindred workers	212 701	176 806	141 497	6 367	2 453	4 139	5 855	2 937	706	96	94	1 484	–	9 079	26 816
Managers and administrators, except farm	157 416	147 104	9 795	97 691	9 451	5 258	7 138	4 070	1 517	41	86	2 061	18	3 923	6 389
Sales workers	78 984	70 234	1 821	5 486	50 663	1 991	2 252	1 947	622	47	51	777	–	2 506	6 244
Clerical and kindred workers	88 946	77 944	1 849	3 014	2 315	52 883	3 759	5 403	1 663	67	64	1 337	–	4 674	6 328
Craftsmen and kindred workers	248 649	226 426	3 412	3 014	1 949	2 718	176 109	14 951	4 459	207	259	3 259	–	8 194	14 029
Operatives, including transport	197 198	176 942	1 291	1 901	1 644	3 164	11 233	134 910	4 836	513	496	3 223	–	6 108	14 148
Laborers, except farm	46 270	39 009	285	520	434	1 263	2 303	4 615	24 434	137	344	1 279	18	1 266	5 995
Farmers and farm managers	4 431	4 012	20	56	49	32	25	151	16	3 281	202	40	–	39	380
Farm laborers and farm foremen	2 695	2 258	17	–	9	87	107	108	104	149	1 546	49	–	54	383
Service workers, except private household	103 250	91 373	911	1 767	1 131	1 913	4 711	6 671	2 032	331	265	64 961	88	2 368	9 509
Private household workers	426	377	–	–	–	–	21	–	28	–	–	–	295	–	49
Unemployed	34 737	27 745	1 934	1 822	1 004	1 444	8 141	6 042	3 226	82	170	1 610	62	1 534	5 458
Armed Forces	11 877	1 042	168	115	178	64	132	115	44	–	–	124	–	9 011	1 824
Not in labor force	259 081	92 125	7 457	9 190	4 778	6 655	19 194	17 547	5 719	682	498	11 370	161	2 406	164 550
Female	**1 695 453**	**680 467**	**107 645**	**23 036**	**41 831**	**210 642**	**14 093**	**133 643**	**4 680**	**841**	**918**	**80 316**	**12 078**	**1 709**	**1 013 277**
Employed in 1970	697 875	499 453	81 659	18 319	30 916	154 183	10 328	96 741	3 601	612	493	58 041	8 025	925	197 497
Professional, technical, and kindred workers	126 284	89 400	73 925	1 138	1 014	4 738	259	577	119	–	22	1 341	118	267	36 617
Managers and administrators, except farm	25 725	21 854	1 556	12 978	1 244	3 025	150	387	114	25	–	701	–	31	3 840
Sales workers	47 732	30 974	436	667	23 484	1 947	69	1 061	81	–	14	795	79	42	16 716
Clerical and kindred workers	229 155	167 436	3 139	2 535	3 191	139 564	722	3 621	325	64	45	3 306	255	254	61 465
Craftsmen and kindred workers	14 633	11 930	94	106	239	686	7 989	1 368	93	14	–	124	76	101	2 602
Operatives, including transport	136 864	100 984	367	414	657	1 637	898	85 689	540	116	150	2 100	266	135	35 745
Laborers, except farm	5 327	3 740	64	20	71	285	64	557	2 093	–	–	163	42	14	1 573
Farmers and farm managers	475	320	36	–	18	–	–	–	–	266	–	–	–	–	155
Farm laborers and farm foremen	964	560	19	–	–	58	–	52	19	107	203	23	20	–	404
Service workers, except private household	99 036	64 020	1 967	429	956	2 060	177	3 228	217	20	20	48 767	845	81	34 935
Private household workers	11 680	8 235	56	32	42	183	–	201	–	–	39	721	6 324	–	3 445
Unemployed	30 267	15 579	1 278	303	818	3 551	395	6 064	143	20	21	1 415	234	64	14 624
Armed Forces	339	112	–	–	–	22	–	15	–	–	–	–	–	183	44
Not in labor force	966 972	165 323	24 708	4 414	10 097	52 886	3 370	30 823	936	209	404	20 860	3 819	537	801 112
Negro															
Male	**35 237**	**22 993**	**1 679**	**1 051**	**449**	**1 814**	**3 602**	**5 963**	**2 003**	**74**	**190**	**3 678**	**79**	**2 496**	**9 748**
Employed in 1970	24 993	19 279	1 445	951	434	1 488	3 179	5 226	1 531	74	147	3 032	45	1 279	4 435
Professional, technical, and kindred workers	2 586	1 767	1 258	32	17	103	62	122	22	–	–	–	–	272	547
Managers and administrators, except farm	1 594	1 319	92	741	21	16	92	33	49	–	–	87	–	100	175
Sales workers	681	499	–	64	158	58	72	87	–	–	–	39	–	39	143
Clerical and kindred workers	2 357	1 850	29	43	145	1 054	20	196	60	9	26	103	–	193	314
Craftsmen and kindred workers	4 697	3 688	35	–	39	132	2 453	313	171	22	–	134	–	226	783
Operatives, including transport	7 011	5 402	31	–	37	55	272	4 074	185	24	41	265	–	237	1 372
Laborers, except farm	1 841	1 407	–	–	17	21	54	178	925	–	–	77	–	46	388
Farmers and farm managers	31	8	–	–	–	–	8	–	–	–	–	–	–	–	23
Farm laborers and farm foremen	135	53	–	–	–	–	–	–	–	–	53	–	–	–	82
Service workers, except private household	4 045	3 286	–	71	–	49	146	223	119	19	27	2 327	45	166	593
Private household workers	15	–	–	–	–	–	–	–	–	–	–	–	–	–	15
Unemployed	1 399	1 047	40	35	–	82	174	308	206	–	26	115	–	86	266
Armed Forces	1 134	8	–	–	–	–	–	–	–	–	–	–	–	977	149
Not in labor force	7 711	2 659	194	65	15	244	249	429	266	–	17	531	34	154	4 898
Female	**42 341**	**18 055**	**1 973**	**118**	**307**	**3 155**	**402**	**4 486**	**199**	**–**	**38**	**3 328**	**2 101**	**35**	**24 251**
Employed in 1970	19 836	13 027	1 552	101	269	2 311	319	2 964	155	–	20	2 519	1 434	17	6 792
Professional, technical, and kindred workers	2 691	1 882	1 379	–	60	83	19	12	–	–	–	78	39	–	809
Managers and administrators, except farm	369	243	21	55	18	37	–	19	29	–	–	18	–	–	126
Sales workers	595	237	–	–	119	–	–	35	42	–	–	23	–	–	358
Clerical and kindred workers	4 984	3 182	31	46	56	2 103	25	412	–	–	–	124	16	–	1 802
Craftsmen and kindred workers	426	343	–	–	–	–	249	77	–	–	–	–	17	–	83
Operatives, including transport	4 171	2 900	28	–	16	23	26	2 198	19	–	20	122	66	17	1 254
Laborers, except farm	171	119	–	–	–	–	–	9	65	–	–	19	26	–	52
Farmers and farm managers	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Farm laborers and farm foremen	58	–	–	–	–	–	–	–	–	–	–	–	–	–	58
Service workers, except private household	4 825	2 901	93	–	–	65	–	158	–	–	–	2 066	197	–	1 924
Private household workers	1 546	1 220	–	–	–	–	–	44	–	–	–	69	1 073	–	326
Unemployed	1 118	522	74	–	–	115	–	187	25	–	–	97	15	–	596
Armed Forces	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Not in labor force	21 387	4 506	347	17	38	729	83	1 335	19	–	18	712	652	18	16 863

[1]Includes "Occupation not reported" not shown separately.

Table 178. Occupational and Geographic Mobility Between 1965 and 1970 by Race and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State	Persons 25 years old and over	Occupation of workers in 1965: Total working[1]	Professional, technical, and kindred workers	Managers and administrators, except farm	Sales workers	Clerical and kindred workers	Craftsmen and kindred workers	Operatives, including transport	Laborers, except farm	Farmers and farm managers	Farm laborers and farm foremen	Service workers, except private household	Private household workers	Armed Forces in 1965	Did not work in 1965 and work in 1965 not reported
TOTAL—Continued															
Spanish Origin or Descent															
Male	13 566	10 151	1 124	635	438	330	1 838	2 638	548	144	230	1 065	26	396	3 019
Employed in 1970	10 341	8 749	1 014	535	374	278	1 675	2 316	347	96	214	970	26	294	1 298
Professional, technical, and kindred workers	1 405	1 155	865	35	20	-	94	20	-	-	-	38	-	66	184
Managers and administrators, except farm	722	625	-	327	20	55	45	45	19	-	50	-	-	78	19
Sales workers	368	317	-	22	243	-	19	-	12	-	-	-	-	-	51
Clerical and kindred workers	737	633	48	63	-	139	35	155	28	-	20	87	-	31	73
Craftsmen and kindred workers	2 121	1 973	17	45	44	-	1 258	266	9	-	24	55	-	20	128
Operatives, including transport	3 141	2 620	63	43	47	38	165	1 554	107	67	70	145	-	63	458
Laborers, except farm	669	433	21	-	-	22	40	97	158	-	22	16	-	-	236
Farmers and farm managers	18	18	-	-	-	-	-	-	-	18	-	-	-	-	-
Farm laborers and farm foremen	47	47	-	-	-	-	-	-	-	-	28	19	-	-	-
Service workers, except private household	1 113	928	-	-	-	24	19	179	14	11	-	610	26	36	149
Private household workers	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unemployed	495	365	34	-	13	16	51	82	48	-	-	52	-	28	102
Armed Forces	157	59	23	-	12	-	-	24	-	-	-	-	-	74	24
Not in labor force	2 573	978	53	100	39	36	112	216	153	48	16	43	-	-	1 595
Female	14 393	5 298	700	34	294	936	138	1 600	112	-	-	661	313	-	9 095
Employed in 1970	5 863	3 560	528	27	211	590	60	1 019	49	-	-	464	238	-	2 303
Professional, technical, and kindred workers	831	702	414	-	20	77	-	42	-	-	-	-	26	-	129
Managers and administrators, except farm	80	80	20	-	60	-	-	-	-	-	-	-	-	-	-
Sales workers	211	93	21	-	53	-	-	-	-	-	-	-	19	-	118
Clerical and kindred workers	1 187	727	20	27	37	450	22	87	-	-	-	14	24	-	460
Craftsmen and kindred workers	84	47	-	-	-	-	29	18	-	-	-	-	-	-	37
Operatives, including transport	1 936	1 051	28	-	21	41	-	838	31	-	-	22	35	-	885
Laborers, except farm	56	56	-	-	-	-	9	18	18	-	-	-	-	-	-
Farmers and farm managers	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Farm laborers and farm foremen	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Service workers, except private household	1 250	630	25	-	20	22	-	16	-	-	-	428	-	-	620
Private household workers	228	174	-	-	-	-	-	-	-	-	-	-	134	-	54
Unemployed	377	179	-	-	-	40	-	75	25	-	-	-	-	-	198
Armed Forces	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Not in labor force	8 153	1 559	172	7	83	306	78	506	38	-	-	197	75	-	6 594
RESIDED SAME STATE 5 YEARS AGO															
Male	1 299 506	1 066 777	149 035	121 795	70 503	78 186	232 771	193 415	47 058	4 676	3 296	88 897	598	25 941	206 788
Employed in 1970	1 030 668	954 250	141 248	111 664	65 146	70 484	206 473	170 693	38 559	4 052	2 658	76 377	375	21 402	55 016
Professional, technical, and kindred workers	175 706	155 542	124 976	5 285	2 014	3 569	5 104	2 603	614	83	75	1 263	-	4 541	15 623
Managers and administrators, except farm	142 688	136 573	8 121	92 214	8 331	4 878	6 720	3 800	1 367	41	36	1 916	18	2 015	4 100
Sales workers	71 401	66 013	1 516	4 954	48 180	1 737	2 136	1 850	586	47	51	648	-	1 420	3 968
Clerical and kindred workers	81 987	75 180	1 485	2 785	2 022	51 768	3 605	5 154	1 633	39	44	1 256	-	2 691	4 116
Craftsmen and kindred workers	231 782	218 707	3 005	2 644	1 707	2 509	171 810	14 196	4 164	92	182	3 088	-	4 731	8 344
Operatives, including transport	181 901	169 903	1 036	1 561	1 401	2 904	10 443	132 088	4 452	190	226	2 751	-	3 571	8 427
Laborers, except farm	41 673	37 422	285	503	398	1 211	2 100	4 433	23 837	27	268	1 227	18	715	3 536
Farmers and farm managers	4 242	3 948	20	56	49	32	17	151	16	3 246	181	40	-	39	255
Farm laborers and farm foremen	2 329	2 097	17	-	-	87	107	108	104	149	1 433	10	-	19	213
Service workers, except private household	96 608	88 548	787	1 662	1 044	1 789	4 431	6 310	1 779	138	162	64 178	62	1 660	6 400
Private household workers	351	317	-	-	-	-	-	-	7	-	-	-	277	-	34
Unemployed	30 496	25 798	1 674	1 623	911	1 387	7 657	5 840	3 083	72	140	1 497	62	801	3 897
Armed Forces	3 355	410	59	21	52	64	66	15	22	-	-	76	-	2 394	551
Not in labor force	234 987	86 319	6 054	8 487	4 394	6 251	18 575	16 867	5 394	552	498	10 947	161	1 344	147 324
Female	1 543 114	639 012	93 561	21 428	40 300	199 461	13 458	129 795	4 425	681	729	76 487	11 257	912	903 190
Employed in 1970	636 351	475 160	73 003	17 184	30 148	148 344	9 948	94 607	3 441	503	346	55 667	7 550	501	160 690
Professional, technical, and kindred workers	107 241	80 207	66 615	896	877	4 113	220	528	98	-	-	1 186	50	127	26 907
Managers and administrators, except farm	23 709	20 547	1 347	12 437	1 154	2 772	150	359	114	25	-	638	-	15	3 147
Sales workers	44 602	30 066	346	590	23 170	1 789	59	971	81	-	14	773	58	42	14 494
Clerical and kindred workers	215 024	161 245	2 475	2 376	3 090	135 279	629	3 519	304	64	45	3 077	255	148	53 631
Craftsmen and kindred workers	13 576	11 431	94	86	222	646	7 802	1 319	93	-	-	105	39	22	2 123
Operatives, including transport	124 988	97 941	228	368	582	1 390	856	84 067	504	21	64	1 810	222	52	26 995
Laborers, except farm	4 902	3 560	41	20	71	239	55	535	2 053	-	-	163	42	14	1 328
Farmers and farm managers	458	303	19	-	18	-	-	-	-	266	-	-	-	-	155
Farm laborers and farm foremen	770	518	19	-	-	58	-	52	-	107	203	-	20	-	252
Service workers, except private household	90 559	61 523	1 763	379	922	1 914	177	3 080	194	20	20	47 294	743	81	28 955
Private household workers	10 522	7 819	56	32	42	144	-	177	-	-	-	621	6 121	-	2 703
Unemployed	27 431	14 820	1 006	228	725	3 447	376	5 982	131	-	21	1 384	220	43	12 568
Armed Forces	169	112	-	-	-	22	-	15	-	-	-	-	-	39	18
Not in labor force	879 163	148 920	19 552	4 016	9 427	47 648	3 134	29 191	853	178	362	19 436	3 487	329	729 914

[1]Includes "Occupation not reported" not shown separately.

Table 178. Occupational and Geographic Mobility Between 1965 and 1970 by Race and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State	Persons 25 years old and over	Occupation of workers in 1965: Total working[1]	Professional, technical, and kindred workers	Managers and administrators, except farm	Sales workers	Clerical and kindred workers	Craftsmen and kindred workers	Operatives, including transport	Laborers, except farm	Farmers and farm managers	Farm laborers and farm foremen	Service workers, except private household	Private household workers	Armed Forces in 1965	Did not work in 1965 and work in 1965 not reported
RESIDED DIFFERENT STATE 5 YEARS AGO															
Male	**147 155**	**66 620**	**21 422**	**9 148**	**5 555**	**3 425**	**8 209**	**6 052**	**2 348**	**957**	**779**	**2 677**	**44**	**25 221**	**55 314**
Employed in 1970	110 298	58 235	19 650	8 152	4 952	2 964	7 040	5 070	1 858	817	749	2 093	44	16 809	35 254
Professional, technical, and kindred workers	36 995	21 264	16 521	1 082	439	570	751	334	92	13	19	221	–	4 538	11 193
Managers and administrators, except farm	14 728	10 531	1 674	5 477	1 120	380	418	270	150	–	50	145	–	1 908	2 289
Sales workers	7 583	4 221	305	532	2 483	254	116	97	36	–	–	129	–	1 086	2 276
Clerical and kindred workers	6 959	2 764	364	229	293	1 115	154	249	30	28	20	81	–	1 983	2 212
Craftsmen and kindred workers	16 867	7 719	407	370	242	209	4 299	755	295	115	77	171	–	3 463	5 685
Operatives, including transport	15 297	7 039	255	340	243	260	790	2 822	384	323	270	472	–	2 537	5 721
Laborers, except farm	4 597	1 587	–	17	36	52	203	182	597	110	76	52	–	551	2 459
Farmers and farm managers	189	64	–	–	–	–	8	–	–	35	21	–	–	–	125
Farm laborers and farm foremen	366	161	–	–	9	–	–	–	–	–	113	39	–	35	170
Service workers, except private household	6 642	2 825	124	105	87	124	280	361	253	193	103	783	26	708	3 109
Private household workers	75	60	–	–	–	–	21	–	21	–	–	–	18	–	15
Unemployed	4 241	1 947	260	199	93	57	484	202	143	10	30	113	–	733	1 561
Armed Forces	8 522	632	109	94	126	–	66	100	22	–	–	48	–	6 617	1 273
Not in labor force	24 094	5 806	1 403	703	384	404	619	680	325	130	–	423	–	1 062	17 226
Female	**152 339**	**41 455**	**14 084**	**1 608**	**1 531**	**11 181**	**635**	**3 848**	**255**	**160**	**189**	**3 829**	**821**	**797**	**110 087**
Employed in 1970	61 524	24 293	8 656	1 135	768	5 839	380	2 134	160	109	147	2 374	475	424	36 807
Professional, technical, and kindred workers	19 043	9 193	7 310	242	137	625	39	49	21	–	22	155	68	140	9 710
Managers and administrators, except farm	2 016	1 307	209	541	90	253	–	28	–	–	–	63	–	16	693
Sales workers	3 130	908	90	77	314	158	10	90	–	–	–	22	21	–	2 222
Clerical and kindred workers	14 131	6 191	664	159	101	4 285	93	102	21	–	–	229	–	106	7 834
Craftsmen and kindred workers	1 057	499	–	20	17	40	187	49	–	14	–	19	37	79	479
Operatives, including transport	11 876	3 043	139	46	75	247	42	1 622	36	95	86	290	44	83	8 750
Laborers, except farm	425	180	23	–	–	46	9	22	40	–	–	–	–	–	245
Farmers and farm managers	17	17	17	–	–	–	–	–	–	–	–	–	–	–	–
Farm laborers and farm foremen	194	42	–	–	–	–	–	–	19	–	–	23	–	–	152
Service workers, except private household	8 477	2 497	204	50	34	146	–	148	23	–	–	1 473	102	–	5 980
Private household workers	1 158	416	–	–	–	39	–	24	–	–	39	100	203	–	742
Unemployed	2 836	759	272	75	93	104	19	82	12	20	–	31	14	21	2 056
Armed Forces	170	–	–	–	–	–	–	–	–	–	–	–	–	144	26
Not in labor force	87 809	16 403	5 156	398	670	5 238	236	1 632	83	31	42	1 424	332	208	71 198

[1]Includes "Occupation not reported" not shown separately.

Table 179. Occupation of Employed Persons by Education, Race, and Sex: 1970

[Data based on sample, see text. For meaning of symbols, see text]

The State

	Total	Years of school completed				
		Elementary, 8 years or less	High school		College	
			1 to 3 years	4 years	1 to 3 years	4 years or more
TOTAL						
Male employed, 16 years old and over	**1 371 867**	**217 273**	**290 229**	**451 634**	**181 664**	**231 067**
Professional, technical, and kindred workers	240 205	3 250	9 074	39 845	48 561	139 475
Engineers	48 432	559	1 477	6 909	11 261	28 226
Lawyers and judges	8 613	40	25	209	246	8 093
Life and physical scientists	5 634	59	159	428	596	4 392
Physicians, dentists, and related practitioners	17 794	72	164	750	1 002	15 806
Health workers, except practitioners	4 918	220	486	1 322	1 430	1 460
Social and recreation workers	3 295	54	177	558	590	1 916
Teachers	40 228	194	410	1 889	2 844	34 891
Technicians, except health	29 853	882	2 598	13 257	10 121	2 995
Writers, artists, and entertainers	16 924	394	1 281	4 561	4 756	5 932
Other professional, technical, and kindred workers	64 514	776	2 297	9 962	15 715	35 764
Managers and administrators, except farm	163 406	10 637	19 146	53 062	32 282	48 279
Salaried	141 705	6 958	14 601	45 405	28 877	45 864
Manufacturing	35 975	1 218	2 864	9 850	7 687	14 356
Retail trade	31 442	2 162	4 781	12 969	6 264	5 266
All other industries	74 288	3 578	6 956	22 586	14 926	26 242
Self-employed	21 701	3 679	4 545	7 657	3 405	2 415
Retail trade	9 727	1 710	2 185	3 840	1 327	665
All other industries	11 974	1 969	2 360	3 817	2 078	1 750
Sales workers	95 837	6 358	16 502	33 221	20 012	19 744
Manufacturing and wholesale trade	33 666	1 598	4 678	11 700	7 472	8 218
Retail trade	36 437	3 783	9 557	13 876	6 588	2 633
All other industries	25 734	977	2 267	7 645	5 952	8 893
Clerical and kindred workers	118 756	10 019	24 775	51 318	22 174	10 470
Bookkeepers and billing clerks	7 865	359	842	2 936	2 530	1 198
Mail handlers and postal clerks	19 050	957	3 835	11 071	2 503	684
Other clerical and kindred workers	91 841	8 703	20 098	37 311	17 141	8 588
Craftsmen and kindred workers	284 958	57 144	73 239	124 505	24 124	5 946
Carpenters	25 251	6 540	6 859	9 690	1 813	349
Construction craftsmen, except carpenters	49 533	10 607	13 273	21 548	3 585	520
Automobile mechanics, including body repairmen	23 150	5 355	6 982	9 167	1 430	216
Mechanics and repairmen, except auto	35 238	6 228	9 005	15 904	3 633	468
Machinists	16 666	3 007	4 597	7 726	1 185	151
Metal craftsmen, except mechanics and machinists	21 525	4 514	5 974	9 550	1 361	126
Foremen, n.e.c	42 336	6 114	10 134	18 373	5 200	2 515
Other craftsmen and kindred workers	71 259	14 779	16 415	32 547	5 917	1 601
Operatives, except transport	181 289	56 055	54 279	58 789	10 265	1 901
Assemblers	12 355	2 883	3 569	4 857	920	126
Garage workers and gas station attendants	7 735	1 075	3 903	1 823	871	63
Laundry and drycleaning operatives, including ironers	4 350	1 778	1 301	1 040	185	46
Precision machine operatives	12 020	3 098	3 380	4 766	657	119
Other operatives, except transport	144 829	47 221	42 126	46 303	7 632	1 547
Durable goods, manufacturing	61 386	17 767	17 378	21 936	3 670	635
Nondurable goods, including not specified manufacturing	54 513	22 033	15 896	14 032	2 103	449
Nonmanufacturing industries	28 930	7 421	8 852	10 335	1 859	463
Transport equipment operatives	66 865	16 147	22 038	23 700	4 193	787
Truck drivers	32 300	8 717	11 432	10 542	1 426	183
Other transport equipment operatives	34 565	7 430	10 606	13 158	2 767	604
Laborers, except farm	74 373	20 910	26 988	19 950	5 632	893
Construction laborers	15 400	5 519	4 277	4 425	1 006	173
Freight, stock, and material handlers	30 318	5 467	13 695	8 357	2 531	268
Other laborers, except farm	28 655	9 924	9 016	7 168	2 095	452
Manufacturing industries	6 915	2 818	2 021	1 697	311	68
Farmers and farm managers	4 609	1 184	1 022	1 507	567	329
Farm laborers and farm foremen	5 028	1 484	1 834	1 083	483	144
Service workers, except private household[1]	135 700	33 861	41 056	44 476	13 228	3 079
Cleaning service workers	40 962	14 591	12 995	10 214	2 629	533
Food service workers	32 288	7 042	13 013	7 686	3 925	622
Health service workers	5 201	905	1 325	1 673	967	331
Personal service workers	11 060	2 965	3 091	3 612	1 130	262
Protective service workers	35 838	4 693	8 432	18 288	3 553	872
Private household workers	841	224	276	178	143	20
Female employed, 16 years old and over	**926 302**	**112 829**	**176 498**	**384 706**	**145 023**	**107 246**
Professional, technical, and kindred workers	159 968	2 036	5 681	32 837	39 607	79 807
Registered nurses	35 882	573	1 746	12 740	16 201	4 622
Health workers, except nurses	11 898	198	548	2 998	3 659	4 495
Teachers, elementary and secondary schools	53 907	244	518	2 564	6 527	44 054
Technicians, except health	3 821	143	553	1 480	909	736
Other professional, technical, and kindred workers	54 460	878	2 316	13 055	12 311	25 900
Managers and administrators, except farm	28 930	1 312	3 358	12 531	5 700	6 029
Salaried	25 408	819	2 838	11 168	4 996	5 587
Self employed	3 522	493	520	1 363	704	442
Sales workers	65 625	5 640	19 706	29 241	8 449	2 589
Retail trade	54 446	4 993	17 782	24 306	6 177	1 188
Clerical and kindred workers	339 144	8 856	46 136	199 769	69 269	15 114
Bookkeepers and cashiers	60 463	1 910	12 492	34 952	9 479	1 630
Office machine operators	14 869	364	1 744	10 767	1 824	170
Secretaries, stenographers, and typists	123 027	1 129	7 927	72 133	35 326	6 512
Other clerical and kindred workers	140 785	5 453	23 973	81 917	22 640	6 802
Craftsmen and kindred workers	16 410	3 953	4 432	6 500	1 128	397
Operatives, except transport	153 393	60 048	47 358	41 974	3 386	627
Sewers and stitchers	31 185	17 182	8 639	4 861	399	104
Laundry and drycleaning operatives, including ironers	6 489	2 990	1 924	1 418	136	21
Other operatives, except transport	115 719	39 876	36 795	35 695	2 851	502
Durable goods, manufacturing	52 862	15 368	17 449	18 583	1 262	200
Nondurable goods, including not specified manufacturing	47 241	20 051	14 564	11 677	806	143
Nonmanufacturing industries	15 616	4 457	4 782	5 435	783	159
Transport equipment operatives	2 927	366	780	1 494	245	42
Laborers, except farm	6 543	1 754	2 172	2 155	383	79
Farmers and farm managers	593	129	104	235	84	41
Farm laborers and farm foremen	1 134	294	275	357	147	61
Service workers, except private household[1]	137 249	23 097	42 257	53 981	15 702	2 212
Cleaning service workers	13 020	5 214	3 902	3 316	518	70
Food service workers	53 579	7 994	19 344	20 499	5 110	632
Health service workers	36 987	4 580	11 041	14 874	6 057	435
Practical nurses	10 010	933	2 221	5 104	1 707	45
Personal service workers	19 939	2 572	4 422	9 761	2 563	621
Protective service workers	2 197	220	496	1 173	265	43
Private household workers	14 386	5 344	4 239	3 632	923	248

[1]Includes allocated cases not shown separately.

Table 179. **Occupation of Employed Persons by Education, Race, and Sex: 1970**—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State

	Total	Years of school completed: Elementary, 8 years or less	High school: 1 to 3 years	High school: 4 years	College: 1 to 3 years	College: 4 years or more
NEGRO						
Male employed, 16 years old and over	**30 614**	**6 703**	**8 046**	**10 686**	**3 106**	**2 073**
Professional, technical, and kindred workers	3 263	96	258	900	836	1 173
Engineers	330	7	9	55	83	176
Lawyers and judges	41	-	-	-	-	41
Life and physical scientists	62	-	-	13	13	36
Physicians, dentists, and related practitioners	74	4	-	-	5	65
Health workers, except practitioners	267	15	63	100	60	29
Social and recreation workers	182	4	23	41	41	73
Teachers	453	8	9	57	64	315
Technicians, except health	592	21	45	279	191	56
Writers, artists, and entertainers	315	10	42	91	86	86
Other professional, technical, and kindred workers	947	27	67	264	293	296
Managers and administrators, except farm	1 532	136	234	558	312	292
Salaried	1 337	84	190	501	276	286
Manufacturing	156	5	19	55	35	42
Retail trade	343	22	76	185	50	10
All other industries	838	57	95	261	191	234
Self-employed	195	52	44	57	36	6
Retail trade	65	19	11	25	10	-
All other industries	130	33	33	32	26	6
Sales workers	916	99	176	337	183	121
Manufacturing and wholesale trade	193	12	47	73	18	43
Retail trade	454	71	122	168	83	10
All other industries	269	16	7	96	82	68
Clerical and kindred workers	2 922	316	701	1 317	469	119
Bookkeepers and billing clerks	149	2	42	46	42	17
Mail handlers and postal clerks	594	19	105	353	94	23
Other clerical and kindred workers	2 179	295	554	918	333	79
Craftsmen and kindred workers	5 155	1 058	1 487	2 128	408	74
Carpenters	382	124	92	139	19	8
Construction craftsmen, except carpenters	880	218	232	357	55	18
Automobile mechanics, including body repairmen	597	145	193	228	31	-
Mechanics and repairmen, except auto	583	63	151	295	74	-
Machinists	255	44	100	69	35	7
Metal craftsmen, except mechanics and machinists	330	80	108	115	27	-
Foremen, n.e.c	493	71	129	243	39	11
Other craftsmen and kindred workers	1 635	313	482	682	128	30
Operatives, except transport	6 496	1 739	1 994	2 430	294	39
Assemblers	326	43	79	200	-	4
Garage workers and gas station attendants	167	53	55	51	8	-
Laundry and drycleaning operatives, including ironers	402	122	133	131	5	11
Precision machine operatives	213	36	60	103	14	-
Other operatives, except transport	5 388	1 485	1 667	1 945	267	24
Durable goods, manufacturing	2 090	489	711	759	118	13
Nondurable goods, including not specified manufacturing	2 056	601	659	719	71	6
Nonmanufacturing industries	1 242	395	297	467	78	5
Transport equipment operatives	1 958	533	558	752	99	16
Truck drivers	873	256	232	336	45	4
Other transport equipment operatives	1 085	277	326	416	54	12
Laborers, except farm	2 634	901	917	706	93	17
Construction laborers	556	247	208	86	7	8
Freight, stock, and material handlers	884	142	362	323	48	9
Other laborers, except farm	1 194	512	347	297	38	-
Manufacturing industries	311	93	100	118	-	-
Farmers and farm managers	63	11	22	30	-	-
Farm laborers and farm foremen	120	22	52	28	18	-
Service workers, except private household[1]	5 460	1 761	1 609	1 495	373	222
Cleaning service workers	2 123	807	693	467	96	60
Food service workers	1 082	323	419	278	51	11
Health service workers	384	57	84	166	60	17
Personal service workers	413	134	111	128	36	4
Protective service workers	508	56	117	248	66	21
Private household workers	95	31	38	5	21	-
Female employed, 16 years old and over	**26 072**	**4 304**	**6 294**	**10 938**	**2 937**	**1 599**
Professional, technical, and kindred workers	3 305	94	325	1 091	706	1 089
Registered nurses	780	57	117	319	228	59
Health workers, except nurses	350	16	33	168	64	69
Teachers, elementary and secondary schools	849	5	39	140	97	568
Technicians, except health	133	-	23	47	28	35
Other professional, technical, and kindred workers	1 193	16	113	417	289	358
Managers and administrators, except farm	462	43	58	185	88	88
Salaried	442	31	55	180	88	88
Self-employed	20	12	3	5	-	-
Sales workers	755	79	256	340	68	12
Retail trade	605	66	199	278	56	6
Clerical and kindred workers	8 330	322	1 686	4 662	1 407	253
Bookkeepers and cashiers	668	22	168	354	94	30
Office machine operators	701	20	118	438	114	11
Secretaries, stenographers, and typists	2 483	64	323	1 501	546	49
Other clerical and kindred workers	4 478	216	1 077	2 369	653	163
Craftsmen and kindred workers	374	70	74	166	46	18
Operatives, except transport	4 944	1 314	1 563	1 899	154	14
Sewers and stitchers	563	148	178	228	9	-
Laundry and drycleaning operatives, including ironers	621	243	181	177	20	-
Other operatives, except transport	3 760	923	1 204	1 494	125	14
Durable goods, manufacturing	1 931	368	590	900	67	6
Nondurable goods, including not specified manufacturing	1 178	354	422	364	38	-
Nonmanufacturing industries	651	201	192	230	20	8
Transport equipment operatives	42	7	12	16	7	-
Laborers, except farm	291	44	112	124	11	-
Farmers and farm managers	19	-	4	15	-	-
Farm laborers and farm foremen	50	10	10	23	7	-
Service workers, except private household[1]	5 614	1 390	1 676	2 005	422	121
Cleaning service workers	890	475	242	141	21	11
Food service workers	755	212	233	243	62	5
Health service workers	2 463	491	737	993	222	20
Practical nurses	509	51	118	271	69	-
Personal service workers	769	76	210	331	85	67
Protective service workers	75	-	30	30	15	-
Private household workers	1 886	931	518	412	21	4

[1]Includes allocated cases not shown separately.

Table 179. **Occupation of Employed Persons by Education, Race, and Sex: 1970**—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State

	Total	Years of school completed: Elementary, 8 years or less	High school: 1 to 3 years	High school: 4 years	College: 1 to 3 years	College: 4 years or more
PERSONS OF SPANISH LANGUAGE						
Male employed, 16 years old and over	**13 160**	**3 938**	**2 558**	**2 720**	**1 588**	**2 356**
Professional, technical, and kindred workers	2 429	46	97	260	481	1 545
Engineers	450	8	-	35	108	299
Lawyers and judges	19	-	-	-	-	19
Life and physical scientists	63	-	-	-	7	56
Physicians, dentists, and related practitioners	255	-	-	-	14	241
Health workers, except practitioners	45	-	16	-	-	29
Social and recreation workers	32	-	11	-	-	21
Teachers	428	-	-	45	48	335
Technicians, except health	333	13	20	87	131	82
Writers, artists, and entertainers	173	14	39	10	40	70
Other professional, technical, and kindred workers	631	11	11	83	133	393
Managers and administrators, except farm	1 109	60	145	253	243	408
Salaried	897	47	72	184	215	379
Manufacturing	207	5	-	35	58	109
Retail trade	169	20	36	64	21	28
All other industries	521	22	36	85	136	242
Self-employed	212	13	73	69	28	29
Retail trade	118	7	49	49	13	-
All other industries	94	6	24	20	15	29
Sales workers	507	43	95	102	108	159
Manufacturing and wholesale trade	141	-	27	25	54	35
Retail trade	178	35	48	52	22	21
All other industries	188	8	20	25	32	103
Clerical and kindred workers	885	118	195	287	216	69
Bookkeepers and billing clerks	121	6	8	42	43	22
Mail handlers and postal clerks	103	11	22	50	20	-
Other clerical and kindred workers	661	101	165	195	153	47
Craftsmen and kindred workers	2 119	723	514	629	183	70
Carpenters	146	42	38	40	26	-
Construction craftsmen, except carpenters	257	71	92	62	27	5
Automobile mechanics, including body repairmen	319	125	68	95	25	6
Mechanics and repairmen, except auto	346	112	73	125	21	15
Machinists	194	57	33	62	27	15
Metal craftsmen, except mechanics and machinists	95	47	37	11	-	-
Foremen, n.e.c	185	36	59	49	19	22
Other craftsmen and kindred workers	577	233	114	185	38	7
Operatives, except transport	3 318	1 729	792	574	171	52
Assemblers	205	87	56	33	12	17
Garage workers and gas station attendants	54	5	27	5	17	-
Laundry and drycleaning operatives, including ironers	100	51	42	7	-	-
Precision machine operatives	170	84	25	23	24	14
Other operatives, except transport	2 789	1 502	642	506	118	21
Durable goods, manufacturing	906	453	200	198	39	16
Nondurable goods, including not specified manufacturing	1 533	902	323	239	64	5
Nonmanufacturing industries	350	147	119	69	15	-
Transport equipment operatives	344	88	90	105	56	5
Truck drivers	104	18	40	32	14	-
Other transport equipment operatives	240	70	50	73	42	5
Laborers, except farm	785	325	269	156	32	3
Construction laborers	137	62	27	48	-	-
Freight, stock, and material handlers	353	127	142	52	29	3
Other laborers, except farm	295	136	100	56	3	-
Manufacturing industries	137	68	45	24	-	-
Farmers and farm managers	15	6	-	-	-	9
Farm laborers and farm foremen	301	178	90	33	-	-
Service workers, except private household[1]	1 343	617	271	321	98	36
Cleaning service workers	363	192	74	72	20	5
Food service workers	525	268	90	131	26	10
Health service workers	128	18	32	26	44	8
Personal service workers	123	50	21	31	8	13
Protective service workers	81	6	21	54	-	-
Private household workers	5	5	-	-	-	-
Female employed, 16 years old and over	**7 840**	**2 069**	**1 449**	**2 363**	**972**	**987**
Professional, technical, and kindred workers	1 106	27	46	139	257	637
Registered nurses	97	-	-	26	34	37
Health workers, except nurses	147	10	-	12	30	95
Teachers, elementary and secondary schools	257	-	15	-	26	216
Technicians, except health	43	5	-	10	20	8
Other professional, technical, and kindred workers	562	12	31	91	147	281
Managers and administrators, except farm	135	-	6	71	13	45
Salaried	106	-	6	52	13	35
Self-employed	29	-	-	19	-	10
Sales workers	320	29	110	91	72	18
Retail trade	254	29	96	76	53	-
Clerical and kindred workers	2 305	164	297	1 192	471	181
Bookkeepers and cashiers	374	31	61	191	50	41
Office machine operators	138	16	43	72	-	7
Secretaries, stenographers, and typists	825	12	34	429	283	67
Other clerical and kindred workers	968	105	159	500	138	66
Craftsmen and kindred workers	103	49	17	30	7	-
Operatives, except transport	2 379	1 188	633	446	74	38
Sewers and stitchers	591	300	165	91	16	19
Laundry and drycleaning operatives, including ironers	161	118	30	13	-	-
Other operatives, except transport	1 627	770	438	342	58	19
Durable goods, manufacturing	662	295	160	196	11	-
Nondurable goods, including not specified manufacturing	657	348	192	90	15	12
Nonmanufacturing industries	308	127	86	56	32	7
Transport equipment operatives	16	-	8	-	8	-
Laborers, except farm	72	32	21	11	8	-
Farmers and farm managers	-	-	-	-	-	-
Farm laborers and farm foremen	65	54	-	4	-	7
Service workers, except private household[1]	1 067	352	244	354	62	55
Cleaning service workers	201	147	14	32	8	-
Food service workers	230	68	40	90	18	14
Health service workers	419	82	168	148	14	7
Practical nurses	75	4	30	41	-	-
Personal service workers	165	42	14	53	22	34
Protective service workers	5	-	-	5	-	-
Private household workers	272	174	67	25	-	6

[1]Includes allocated cases not shown separately.

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970

[Data based on sample, see text. For meaning of symbols, see text]

The State
Standard Metropolitan Statistical Areas of 250,000 or More

	Persons 16 years old and over	Agriculture, forestry, and fisheries	Mining	Construction	Manufacturing							
					Total	Durable goods						
						Furniture, lumber, and wood products	Stone, clay, and glass products	Primary ferrous industries	Primary nonferrous industries	Fabricated metal industries, including not specified metal	Machinery, except electrical	Electrical machinery, equipment, and supplies
THE STATE												
Total employed	**2 298 169**	**21 823**	**1 879**	**122 932**	**670 479**	**15 414**	**11 905**	**9 689**	**7 775**	**36 249**	**80 577**	**103 030**
Professional, technical, and kindred workers	**400 173**	**1 557**	**211**	**5 784**	**80 557**	**573**	**1 058**	**577**	**561**	**3 506**	**14 368**	**24 394**
Accountants	25 438	25	17	514	6 333	130	148	98	80	407	1 004	1 403
Architects	2 406	192	-	47	99	10	-	-	-	-	10	5
Computer specialists	10 470	6	-	54	3 942	15	21	22	5	131	1 575	1 044
Engineers	49 272	113	63	3 464	28 233	121	402	200	172	1 331	5 552	11 172
Chemical	1 363	-	11	57	982	-	14	4	5	33	61	152
Civil	6 490	-	-	2 705	238	-	16	-	-	59	22	39
Electrical and electronic	14 359	11	6	208	9 363	31	21	5	15	88	1 329	6 612
Industrial	8 207	11	33	76	6 147	35	153	58	71	346	1 101	1 901
Mechanical	7 118	60	-	207	4 852	22	53	36	18	455	1 683	1 025
Other engineers	11 735	31	13	211	6 651	33	145	97	63	350	1 356	1 443
Mathematical specialists	1 265	6	-	10	235	5	-	-	-	35	25	57
Life and physical scientists	6 748	159	40	17	2 377	11	34	38	48	109	149	402
Chemists	3 513	-	9	12	1 903	11	34	38	42	95	86	215
Personnel and labor relations workers	8 134	4	7	94	2 177	12	23	45	35	142	405	536
Social scientists	4 149	-	-	6	1 147	5	13	5	15	82	263	302
Engineering and science technicians	29 877	88	26	919	18 684	171	232	95	143	811	3 674	6 609
Draftsmen	10 644	13	6	395	6 473	139	89	47	28	547	1 674	2 010
Electrical and electronic engineering technicians	7 422	4	-	50	5 406	21	24	-	24	33	978	3 476
Industrial and mechanical engineering technicians	1 538	-	-	8	1 336	-	11	10	19	63	291	251
Technicians, except health, and engineering and science	3 797	14	6	28	493	-	9	-	-	41	114	125
Writers, artists, and entertainers	24 305	188	5	240	9 432	67	91	16	4	103	818	1 494
Other professional, technical, and kindred workers	234 312	762	47	391	7 405	26	85	58	59	314	779	1 245
Managers and administrators, except farm	**192 336**	**713**	**127**	**11 489**	**40 319**	**1 145**	**892**	**394**	**444**	**2 762**	**5 341**	**6 781**
Buyers, purchasing agents, and sales managers	26 844	43	20	356	7 595	193	144	72	55	423	1 117	1 421
Other managers and administrators	165 492	670	107	11 133	32 724	952	748	322	389	2 339	4 224	5 360
Salaried	141 150	485	90	7 602	30 928	792	705	318	381	2 243	4 008	5 292
Self-employed	24 342	185	17	3 531	1 796	160	43	4	8	96	216	68
Sales workers	**161 462**	**317**	**24**	**890**	**16 648**	**475**	**285**	**169**	**153**	**764**	**1 391**	**1 149**
Clerical and kindred workers	**457 900**	**1 107**	**184**	**7 715**	**96 022**	**1 628**	**1 752**	**1 118**	**930**	**5 184**	**12 101**	**15 669**
Bookkeepers	47 108	305	75	2 031	9 308	378	198	108	123	617	1 049	1 087
Cashiers	24 813	39	-	14	395	5	5	5	-	11	23	43
Estimators and investigators, n.e.c	7 557	5	-	958	1 292	31	33	4	5	167	191	217
Office machine operators	20 150	13	-	123	6 004	53	50	49	29	327	913	1 034
Shipping and receiving clerks	17 637	28	9	59	10 105	227	173	177	152	679	977	857
Stock clerks and storekeepers	13 799	11	-	225	5 838	110	67	65	31	370	1 080	1 117
Other clerical and kindred workers	326 836	706	100	4 305	63 080	824	1 226	710	590	3 013	7 868	11 314
Craftsmen and kindred workers	**301 368**	**820**	**434**	**71 155**	**124 118**	**3 553**	**2 188**	**2 827**	**1 687**	**8 458**	**19 317**	**13 017**
Blacksmiths, forgemen, hammermen, and boilermakers	1 552	-	-	60	1 056	5	6	234	27	312	96	11
Brickmasons and stonemasons	4 159	-	-	3 791	142	-	43	5	11	19	14	-
Carpenters	25 446	106	6	19 506	2 782	521	72	36	18	113	212	235
Cranemen, derrickmen, and hoistmen	2 422	9	35	841	977	19	62	103	33	134	153	118
Electricians	12 276	15	5	6 205	3 427	32	74	53	68	96	413	657
Excavating, grading, and road machine operators	5 170	85	135	4 048	188	15	21	29	20	19	11	-
Foremen, n.e.c	46 866	218	58	4 113	29 383	730	749	555	487	1 641	3 621	4 277
Mechanics and repairmen	59 769	170	95	2 848	16 244	153	318	221	193	818	2 248	1 964
Automobile, including body	23 442	59	35	396	939	6	62	9	5	33	88	73
Machinists, job setters, and toolmakers	26 416	20	9	123	24 424	138	324	546	282	2 685	9 728	3 369
Metal craftsmen, except mechanics and machinists	11 485	-	4	1 593	9 170	138	66	816	450	1 666	1 672	1 108
Painters, construction and maintenance, and plasterers and paperhangers	11 245	31	9	7 234	1 675	32	32	16	6	102	155	212
Plumbers and pipe fitters	11 205	14	11	7 208	2 053	15	10	58	11	95	237	178
Printing craftsmen	14 961	-	-	37	13 832	16	24	5	4	86	143	130
Stationary engineers and power station operators	4 780	11	23	148	1 318	24	31	29	11	50	131	201
Other craftsmen and kindred workers	63 616	141	44	13 400	17 447	1 715	356	121	66	622	483	557
Operatives, except transport	**334 682**	**450**	**500**	**4 338**	**271 962**	**6 794**	**3 990**	**3 493**	**3 426**	**13 225**	**24 844**	**38 177**
Assemblers	30 822	26	5	74	29 302	1 112	166	59	124	1 380	5 061	11 082
Checkers, examiners, and inspectors; manufacturing	25 152	-	-	-	25 152	200	377	397	368	1 156	2 728	7 816
Filers, polishers, sanders, and buffers	4 095	-	-	38	3 821	569	197	44	84	469	531	228
Painters, manufactured articles	2 590	-	-	-	2 084	220	18	4	27	157	267	292
Precision machine operatives	13 424	12	24	64	12 863	223	209	298	181	1 804	5 975	1 273
Welders and flamecutters	9 560	12	22	1 054	6 875	98	118	190	64	1 241	1 088	1 376
Other specified operatives	160 603	266	449	2 475	114 327	2 260	654	918	780	2 879	2 693	6 497
Machine operatives, miscellaneous specified	37 934	50	-	186	34 767	1 028	1 209	518	938	1 410	1 783	3 508
Machine operatives, not specified	19 342	12	-	130	17 559	378	427	218	324	1 684	2 748	2 151
Miscellaneous operatives	19 369	31	-	184	14 867	314	357	625	326	561	1 268	2 196
Not specified operatives	11 791	41	-	133	10 345	392	258	222	210	484	702	1 758

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Persons 16 years old and over	Agriculture, forestry, and fisheries	Mining	Construction	Manufacturing							
						Durable goods						
					Total	Furniture, lumber, and wood products	Stone, clay, and glass products	Primary ferrous industries	Primary nonferrous industries	Fabricated metal industries, including not specified metal	Machinery, except electrical	Electrical machinery, equipment, and supplies
THE STATE—Continued												
Total employed—Continued												
Transport equipment operatives	**69 792**	**448**	**294**	**4 596**	**11 715**	**309**	**826**	**275**	**169**	**655**	**593**	**519**
Deliverymen and routemen	15 147	126	48	164	3 417	57	104	22	10	77	79	96
Truck drivers	32 679	239	236	3 713	4 866	203	595	150	54	367	317	212
Other transport equipment operatives	21 966	83	10	719	3 432	49	127	103	105	211	197	211
Laborers, except farm	**80 916**	**4 710**	**68**	**15 828**	**15 782**	**729**	**622**	**472**	**250**	**935**	**1 119**	**1 280**
Freight, stock, and material handlers	33 904	36	20	278	7 075	217	224	119	59	342	490	714
Other specified laborers	34 816	4 483	11	15 520	3 426	272	84	34	33	128	200	218
Miscellaneous laborers	3 539	140	–	6	1 461	32	35	144	53	248	95	80
Not specified laborers	8 657	51	37	24	3 820	208	279	175	105	217	334	268
Farm workers	**11 364**	**11 364**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**
Service workers, including private household	**288 176**	**337**	**37**	**1 137**	**13 356**	**208**	**292**	**364**	**155**	**760**	**1 503**	**2 044**
Cleaning service workers	53 982	92	14	559	8 010	143	189	188	108	466	1 043	1 254
Personal service workers	30 999	27	–	31	565	–	20	10	14	16	38	51
Guards and watchmen	10 824	25	11	122	2 430	34	49	127	33	164	300	477
Other service workers, including private household	192 371	193	12	425	2 351	31	34	39	–	114	122	262
Female employed	**926 302**	**3 728**	**241**	**6 836**	**221 450**	**4 155**	**2 079**	**1 020**	**1 562**	**7 535**	**14 927**	**38 983**
Professional, technical, and kindred workers	**159 968**	**198**	**–**	**254**	**8 513**	**45**	**113**	**89**	**64**	**289**	**851**	**2 120**
Accountants	6 467	5	–	89	1 208	13	36	29	16	76	157	266
Computer specialists	2 361	–	–	8	601	–	9	–	–	12	184	203
Life and physical scientists	1 114	27	–	–	141	–	4	–	–	5	14	31
Registered nurses, dietitians, and therapists	39 101	10	–	4	441	–	10	36	7	20	59	120
Social scientists	859	–	–	–	81	–	–	5	–	11	–	19
Writers, artists, and entertainers	7 381	49	–	49	2 462	5	4	10	–	6	69	143
Other professional, technical, and kindred workers	102 685	107	–	104	3 579	27	50	9	41	159	368	1 338
Managers and administrators, except farm	**28 930**	**64**	**10**	**309**	**2 652**	**67**	**39**	**16**	**16**	**147**	**304**	**354**
Salaried	25 408	41	10	257	2 510	67	35	16	16	135	301	348
Self-employed	3 522	23	–	52	142	–	4	–	–	12	3	6
Sales workers	**65 625**	**114**	**–**	**39**	**1 551**	**32**	**5**	**–**	**10**	**55**	**39**	**75**
Clerical and kindred workers	**339 144**	**914**	**120**	**5 094**	**63 024**	**1 172**	**1 128**	**625**	**598**	**3 135**	**7 549**	**10 656**
Bookkeepers	39 717	257	46	1 575	7 674	311	149	101	94	501	853	834
Cashiers	20 746	33	–	4	303	5	5	5	–	7	18	34
Counter clerks, except food	4 241	7	5	–	975	5	14	4	10	38	50	77
File clerks	11 135	15	–	68	2 181	22	24	19	12	69	285	418
Office machine operators	14 869	13	–	90	4 166	53	38	43	25	258	543	722
Bookkeeping and billing machine operators	1 594	–	–	21	284	20	–	7	6	5	21	31
Receptionists	6 959	92	–	91	1 021	29	6	5	4	50	95	194
Secretaries	86 904	252	26	1 642	19 146	313	348	185	207	1 094	2 893	4 433
Stenographers	2 568	–	–	69	586	–	2	9	13	24	87	161
Typists	33 555	26	4	416	6 985	99	123	60	92	306	909	1 249
Other clerical and kindred workers	118 450	219	39	1 139	19 987	335	419	194	141	788	1 816	2 534
Craftsmen and kindred workers	**16 410**	**46**	**8**	**706**	**10 138**	**327**	**84**	**64**	**113**	**330**	**512**	**1 336**
Foremen, n.e.c.	4 530	–	–	43	3 153	71	15	16	26	65	94	523
Operatives, except transport	**153 393**	**197**	**92**	**134**	**131 522**	**2 440**	**592**	**198**	**725**	**3 302**	**5 491**	**23 881**
Assemblers	18 467	21	–	9	17 720	449	51	18	93	587	1 885	8 542
Checkers, examiners, and inspectors; manufacturing	13 336	–	–	–	13 336	102	128	6	97	472	910	4 861
Packers and wrappers, except meat and produce	14 152	123	5	9	10 778	166	30	29	53	363	215	477
Other operatives, except transport	107 438	53	87	116	89 688	1 723	383	145	482	1 880	2 481	10 001
Transport equipment operatives	**2 927**	**19**	**11**	**28**	**167**	**–**	**15**	**–**	**–**	**19**	**4**	**7**
Laborers, except farm	**6 543**	**368**	**–**	**174**	**2 369**	**47**	**39**	**9**	**32**	**190**	**84**	**262**
Farm workers	**1 727**	**1 727**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**
Service workers, including private household	**151 635**	**81**	**–**	**98**	**1 514**	**25**	**64**	**19**	**4**	**68**	**93**	**292**
Cleaning service workers	13 020	25	–	64	508	–	42	4	–	29	37	90
Personal service workers	19 939	22	–	4	217	–	6	5	4	7	14	47
Other service workers, including private household	118 676	34	–	30	789	25	16	10	–	32	42	155

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Manufacturing—Continued												
	Durable goods—Continued					Nondurable goods							
	Motor vehicles and motor vehicle equipment	Aircraft and parts	Other transportation equipment	Ordnance	Other durable goods	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing, and allied industries	Chemicals and allied products	Rubber and miscellaneous plastic products	Other nondurable goods, incl. not specified manufacturing
THE STATE													
Total employed	**5 312**	**17 207**	**17 638**	**8 546**	**72 644**	**27 533**	**30 238**	**44 700**	**32 014**	**45 819**	**20 736**	**27 786**	**55 667**
Professional, technical, and kindred workers	**292**	**4 246**	**2 223**	**1 377**	**9 701**	**1 066**	**1 395**	**629**	**1 849**	**5 792**	**3 508**	**1 833**	**1 609**
Accountants	48	243	142	91	634	323	218	73	274	277	278	247	215
Architects	–	–	60	–	3	–	–	–	–	5	6	–	–
Computer specialists	5	137	100	90	288	28	71	51	46	79	88	68	78
Engineers	106	2 221	765	697	2 642	200	354	104	440	96	833	492	333
Chemical	6	9	7	4	98	–	35	–	25	–	442	76	11
Civil	–	18	19	6	32	4	–	–	–	–	13	4	6
Electrical and electronic	–	254	159	209	498	5	13	16	24	9	53	–	22
Industrial	52	261	201	184	653	123	173	67	195	50	118	253	152
Mechanical	44	379	271	103	411	32	65	21	59	11	70	58	36
Other engineers	4	1 300	108	191	950	36	68	–	137	26	137	101	106
Mathematical specialists	–	15	6	18	26	13	–	5	12	8	10	–	–
Life and physical scientists	11	84	18	26	318	92	90	–	86	15	630	171	45
Chemists	11	49	14	3	212	92	90	–	86	15	599	171	40
Personnel and labor relations workers	26	66	74	20	234	87	90	13	74	73	99	74	49
Social scientists	–	82	14	13	110	15	13	–	53	48	93	6	15
Engineering and science technicians	67	934	633	297	2 361	139	328	65	440	87	1 040	452	106
Draftsmen	25	337	320	143	758	26	45	46	47	33	55	65	39
Electrical and electronic engineering technicians	10	153	168	56	373	5	2	–	5	24	36	7	11
Industrial and mechanical engineering technicians	–	145	35	20	187	19	38	5	66	14	90	54	18
Technicians, except health, and engineering and science	–	40	17	–	55	10	–	–	19	4	5	50	4
Writers, artists, and entertainers	10	159	167	56	636	51	131	258	135	4 919	73	73	171
Other professional, technical, and kindred workers	19	265	227	69	2 394	108	100	60	270	181	353	200	593
Managers and administrators, except farm	**230**	**810**	**483**	**292**	**4 163**	**2 137**	**1 172**	**1 617**	**2 028**	**3 413**	**2 091**	**1 601**	**2 523**
Buyers, purchasing agents, and sales managers	52	171	120	28	621	562	174	148	483	652	472	277	410
Other managers and administrators	178	639	363	264	3 542	1 575	998	1 469	1 545	2 761	1 619	1 324	2 113
Salaried	178	639	344	264	3 300	1 480	941	1 310	1 515	2 458	1 561	1 306	1 893
Self-employed	–	–	19	–	242	95	57	159	30	303	58	18	220
Sales workers	**148**	**74**	**72**	**15**	**1 422**	**1 583**	**345**	**855**	**765**	**3 291**	**1 575**	**460**	**1 657**
Clerical and kindred workers	**588**	**2 384**	**2 008**	**1 258**	**11 731**	**3 554**	**3 689**	**3 728**	**4 620**	**10 382**	**3 447**	**3 598**	**6 653**
Bookkeepers	72	107	164	52	849	630	365	757	383	1 037	315	381	636
Cashiers	–	10	16	8	46	41	9	24	12	74	6	20	37
Estimators and investigators, n.e.c	4	34	139	6	88	28	12	18	91	125	45	20	34
Office machine operators	58	226	103	116	621	286	243	246	274	602	163	249	362
Shipping and receiving clerks	116	75	25	76	1 038	730	666	894	749	622	449	720	703
Stock clerks and storekeepers	51	225	296	110	647	203	162	167	283	167	198	239	250
Other clerical and kindred workers	287	1 707	1 265	890	8 442	1 636	2 232	1 622	2 828	7 755	2 271	1 969	4 631
Craftsmen and kindred workers	**1 120**	**4 046**	**8 685**	**1 444**	**13 060**	**3 874**	**4 424**	**3 381**	**5 044**	**14 326**	**2 611**	**3 721**	**7 335**
Blacksmiths, forgemen, hammermen, and boilermakers	9	20	208	9	27	6	4	–	5	39	29	–	9
Brickmasons and stonemasons	–	–	–	–	7	14	–	–	5	5	14	–	5
Carpenters	6	63	904	34	158	28	122	5	44	13	60	83	55
Cranemen, derrickmen, and hoistmen	6	25	189	8	3	10	9	–	31	–	34	15	25
Electricians	49	129	853	43	264	81	89	18	177	101	76	133	21
Excavating, grading, and road machine operators	–	–	–	–	14	11	10	–	10	5	4	4	15
Foremen, n.e.c	295	626	923	310	2 969	1 315	1 773	1 512	1 502	1 466	1 152	1 617	1 863
Mechanics and repairmen	332	991	832	500	1 581	978	1 582	289	1 241	481	458	688	376
Automobile, including body	299	10	16	–	10	227	18	6	17	5	16	20	19
Machinists, job setters, and toolmakers	177	1 448	1 062	398	1 842	164	247	56	535	164	319	620	320
Metal craftsmen, except mechanics and machinists	96	458	1 263	59	652	53	84	–	282	22	76	104	105
Painters, construction and maintenance, and plasterers and paperhangers	54	19	627	11	120	46	27	21	29	47	48	53	18
Plumbers and pipe fitters	31	56	879	12	162	27	42	–	31	4	112	80	13
Printing craftsmen	5	18	23	9	211	8	158	43	811	11 838	51	97	152
Stationary engineers and power station operators	22	82	60	16	114	87	65	9	209	15	70	35	57
Other craftsmen and kindred workers	38	111	862	35	4 936	1 046	212	1 428	132	126	108	192	4 301
Operatives, except transport	**2 477**	**5 146**	**3 114**	**3 700**	**28 972**	**9 964**	**16 754**	**33 363**	**14 897**	**6 547**	**6 077**	**14 650**	**32 352**
Assemblers	984	965	190	725	3 895	186	108	116	540	379	371	944	915
Checkers, examiners, and inspectors; manufacturing	308	926	230	795	2 366	302	1 394	1 089	676	417	439	1 443	1 725
Filers, polishers, sanders, and buffers	60	82	46	195	1 017	6	19	–	9	8	45	90	122
Painters, manufactured articles	130	33	204	35	362	–	18	22	39	19	59	105	73
Precision machine operatives	131	1 091	150	431	541	18	81	16	68	23	77	204	69
Welders and flamecutters	281	514	1 294	55	281	37	21	–	28	4	55	70	60
Other specified operatives	240	464	330	324	11 880	5 613	15 113	28 011	4 638	2 309	1 630	3 261	23 833
Machine operatives, miscellaneous specified	114	290	231	291	3 513	2 087	–	1 422	5 265	1 445	1 743	5 210	2 762
Machine operatives, not specified	102	505	73	594	1 800	734	–	143	2 121	900	820	1 414	423
Miscellaneous operatives	81	120	227	151	2 123	612	–	1 154	902	806	410	946	1 688
Not specified operatives	46	156	139	104	1 194	369	–	1 390	611	237	428	963	682

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Manufacturing—Continued												
	Durable goods—Continued					Nondurable goods							
	Motor vehicles and motor vehicle equipment	Aircraft and parts	Other transportation equipment	Ordnance	Other durable goods	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing, and allied industries	Chemicals and allied products	Rubber and miscellaneous plastic products	Other nondurable goods, incl. not specified manufacturing
THE STATE—Continued													
Total employed—Continued													
Transport equipment operatives	169	74	214	49	708	3 077	360	82	961	909	472	498	796
Deliverymen and routemen	16	9	5	-	140	1 996	33	36	94	428	63	39	113
Truck drivers	41	42	80	20	254	801	156	41	428	400	206	205	294
Other transport equipment operatives	112	23	129	29	314	280	171	5	439	81	203	254	389
Laborers, except farm	140	145	531	173	1 433	1 303	1 347	579	1 134	601	497	948	1 544
Freight, stock, and material handlers	96	51	138	71	496	740	730	511	684	377	222	420	374
Other specified laborers	29	37	204	30	612	200	218	26	137	85	64	137	678
Miscellaneous laborers	-	17	65	15	45	72	125	6	67	17	16	101	228
Not specified laborers	15	40	124	57	280	291	274	36	246	122	195	290	264
Farm workers	-	-	-	-	-	-	-	-	-	-	-	-	-
Service workers, including private household	148	282	308	238	1 454	975	752	466	716	558	458	477	1 198
Cleaning service workers	84	145	134	160	679	503	550	349	486	386	289	303	551
Personal service workers	-	9	-	-	65	94	29	34	40	35	6	20	84
Guards and watchmen	49	103	99	60	293	43	152	42	110	74	98	48	75
Other service workers, including private household	15	25	75	18	417	335	21	41	80	63	65	106	488
Female employed	603	2 164	1 268	2 200	26 786	7 698	10 816	33 979	9 160	16 019	4 957	9 174	26 365
Professional, technical, and kindred workers	14	133	92	67	875	160	230	237	249	2 083	324	205	273
Accountants	-	41	12	15	107	76	44	44	70	81	54	31	40
Computer specialists	-	5	26	12	29	12	24	16	-	24	19	18	8
Life and physical scientists	-	-	-	-	30	6	-	-	11	4	30	6	-
Registered nurses, dietitians, and therapists	9	14	5	5	31	14	19	20	30	-	11	28	3
Social scientists	-	-	-	4	11	-	-	-	6	16	5	-	4
Writers, artists, and entertainers	-	9	11	11	146	-	19	92	28	1 838	5	28	38
Other professional, technical, and kindred workers	5	64	38	20	521	52	124	65	104	120	200	94	180
Managers and administrators, except farm	16	10	5	14	282	144	80	222	102	418	113	88	215
Salaried	16	10	5	14	257	134	80	196	102	387	102	88	201
Self-employed	-	-	-	-	25	10	-	26	-	31	11	-	14
Sales workers	9	-	5	6	140	189	48	126	59	453	49	51	200
Clerical and kindred workers	281	1 218	830	772	8 235	2 192	2 453	2 565	2 978	7 776	2 218	2 080	4 563
Bookkeepers	38	32	83	41	720	506	355	703	338	932	249	309	525
Cashiers	-	10	11	8	35	35	9	24	-	53	6	20	18
Counter clerks, except food	-	-	3	-	90	72	26	25	81	359	28	37	56
File clerks	12	50	17	12	284	72	75	115	79	384	45	52	135
Office machine operators	43	116	78	91	455	196	180	207	183	432	88	151	264
Bookkeeping and billing machine operators	-	-	9	-	47	31	5	13	14	39	5	4	27
Receptionists	16	14	-	24	146	19	46	20	97	129	19	52	56
Secretaries	91	570	263	252	2 416	511	642	356	750	1 433	970	704	715
Stenographers	6	45	26	4	49	9	24	8	16	55	26	7	15
Typists	20	191	170	131	726	143	246	233	334	1 149	248	223	333
Other clerical and kindred workers	55	190	179	209	3 314	629	850	874	1 100	2 850	539	525	2 446
Craftsmen and kindred workers	15	92	119	85	1 439	216	308	1 200	347	1 701	157	283	1 410
Foremen, n.e.c	-	-	5	5	404	117	197	826	135	172	65	126	291
Operatives, except transport	248	665	174	1 218	15 383	4 472	7 413	29 311	5 193	3 370	2 032	6 230	19 184
Assemblers	88	206	39	324	2 881	114	48	99	420	316	263	720	577
Checkers, examiners, and inspectors; manufacturing	26	96	24	304	1 627	99	840	955	444	379	288	834	844
Packers and wrappers, except meat and produce	5	43	5	9	1 364	2 969	255	699	927	576	547	1 199	847
Other operatives, except transport	129	320	106	581	9 511	1 290	6 270	27 558	3 402	2 099	934	3 477	16 916
Transport equipment operatives	-	-	5	-	5	50	20	-	6	15	-	10	11
Laborers, except farm	5	17	16	25	275	148	176	245	150	150	33	129	337
Farm workers	-	-	-	-	-	-	-	-	-	-	-	-	-
Service workers, including private household	15	29	22	13	152	127	88	73	76	53	31	98	172
Cleaning service workers	5	9	8	5	38	5	69	27	29	10	21	22	58
Personal service workers	-	9	-	-	51	-	4	10	14	13	6	-	27
Other service workers, including private household	10	11	14	8	63	122	15	36	33	30	4	76	87

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Railroads and railway express service	Trucking service and warehousing	Other transportation	Communications	Utilities and sanitary services	Wholesale trade	Retail trade: General merchandise retailing	Retail trade: Food stores	Retail trade: Automotive dealers and gasoline stations	Retail trade: Eating and drinking places	Retail trade: Other retail trade	Insurance	Finance and real estate
THE STATE													
Total employed	**6 413**	**26 844**	**30 212**	**35 331**	**33 206**	**98 384**	**64 122**	**63 248**	**37 074**	**68 746**	**131 322**	**57 090**	**75 768**
Professional, technical, and kindred workers	**169**	**372**	**1 831**	**4 036**	**2 876**	**5 121**	**1 232**	**708**	**454**	**758**	**5 845**	**4 802**	**4 750**
Accountants	54	168	211	256	346	955	350	258	295	161	512	1 260	2 004
Architects	-	-	-	-	8	10	5	-	-	9	5	11	16
Computer specialists	5	12	20	143	149	390	71	34	-	6	70	1 088	640
Engineers	44	54	313	1 370	1 103	1 628	40	67	78	-	216	296	146
Chemical	-	-	-	-	13	49	-	-	5	-	6	6	4
Civil	33	10	29	55	168	41	-	12	9	-	14	24	34
Electrical and electronic	11	6	18	1 158	617	156	-	6	10	-	31	4	16
Industrial	-	10	16	53	51	184	20	34	22	-	20	216	33
Mechanical	-	11	202	18	110	170	10	10	9	-	10	12	-
Other engineers	-	17	48	86	144	1 028	10	5	23	-	135	34	59
Mathematical specialists	6	-	5	15	11	30	23	-	-	-	15	377	61
Life and physical scientists	-	-	5	10	46	149	5	5	4	11	29	9	23
Chemists	-	-	5	-	16	120	5	5	-	11	17	4	16
Personnel and labor relations workers	5	63	115	382	78	197	276	148	27	108	163	442	296
Social scientists	-	3	3	39	18	124	9	16	-	7	35	114	298
Engineering and science technicians	23	6	63	437	440	674	25	39	5	7	107	86	48
Draftsmen	5	-	5	64	248	217	15	10	5	7	76	31	20
Electrical and electronic engineering technicians	-	6	10	332	91	172	10	4	-	-	9	18	6
Industrial and mechanical engineering technicians	-	-	4	-	-	36	-	10	-	-	-	-	-
Technicians, except health, and engineering and science	-	10	915	205	64	80	5	4	16	-	35	64	12
Writers, artists, and entertainers	-	25	36	998	131	347	280	44	-	401	445	222	173
Other professional, technical, and kindred workers	32	31	145	181	482	537	143	93	29	48	4 213	833	1 033
Managers and administrators, except farm	**930**	**1 858**	**2 432**	**2 464**	**1 707**	**15 296**	**8 150**	**8 448**	**7 084**	**7 907**	**18 893**	**5 487**	**13 443**
Buyers, purchasing agents, and sales managers	21	109	139	181	145	4 441	3 985	1 999	665	142	4 355	656	246
Other managers and administrators	909	1 749	2 293	2 283	1 562	10 855	4 165	6 449	6 419	7 765	14 538	4 831	13 197
Salaried	909	1 463	2 043	2 273	1 436	9 426	3 373	4 416	4 191	5 647	10 340	4 550	12 196
Self-employed	-	286	250	10	126	1 429	792	2 033	2 228	2 118	4 198	281	1 001
Sales workers	**21**	**379**	**446**	**561**	**718**	**19 810**	**27 983**	**9 446**	**5 554**	**1 219**	**46 681**	**13 386**	**11 258**
Clerical and kindred workers	**1 242**	**4 302**	**6 266**	**17 699**	**7 737**	**23 608**	**16 346**	**17 926**	**4 049**	**3 705**	**24 263**	**31 626**	**37 974**
Bookkeepers	104	686	411	545	538	4 700	1 787	1 233	1 864	899	6 093	2 073	4 837
Cashiers	10	60	547	67	188	225	3 991	11 888	72	1 690	2 657	173	274
Estimators and investigators, n.e.c	51	127	74	392	270	211	502	41	99	11	263	500	1 055
Office machine operators	57	147	69	522	218	1 187	676	377	72	87	414	2 013	2 457
Shipping and receiving clerks	48	591	202	46	57	2 969	1 044	421	53	44	1 128	89	23
Stock clerks and storekeepers	78	142	164	104	263	1 330	1 015	1 222	202	64	1 116	139	85
Other clerical and kindred workers	894	2 549	4 799	16 023	6 203	12 986	7 331	2 744	1 687	910	12 592	26 639	29 243
Craftsmen and kindred workers	**1 991**	**2 303**	**3 361**	**9 455**	**10 744**	**9 535**	**2 704**	**3 209**	**10 522**	**555**	**12 027**	**679**	**1 657**
Blacksmiths, forgemen, hammermen, and boilermakers	27	-	5	-	70	32	5	-	6	-	5	5	11
Brickmasons and stonemasons	7	-	-	-	11	5	11	-	5	-	21	-	8
Carpenters	31	21	89	15	39	176	101	84	25	41	319	30	349
Cranemen, derrickmen, and hoistmen	28	26	34	-	88	192	-	-	-	-	5	-	-
Electricians	131	4	187	-	664	147	42	22	5	11	160	37	69
Excavating, grading, and road machine operators	-	49	14	6	242	18	-	6	10	-	33	-	32
Foremen, n.e.c	254	637	437	727	1 871	2 626	969	708	317	102	1 162	106	296
Mechanics and repairmen	438	1 174	2 081	290	2 309	3 139	874	189	9 937	71	3 444	116	191
Automobile, including body	14	1 037	790	127	238	642	245	67	9 581	11	266	14	23
Machinists, job setters, and toolmakers	134	14	101	28	63	399	27	22	48	11	68	-	4
Metal craftsmen, except mechanics and machinists	10	18	28	5	17	237	-	27	11	-	75	18	5
Painters, construction and maintenance, and plasterers and paperhangers	16	19	41	-	60	80	36	14	11	41	102	32	355
Plumbers and pipe fitters	37	4	26	45	347	172	6	10	10	-	343	8	43
Printing craftsmen	-	7	16	30	16	118	59	24	-	-	52	125	52
Stationary engineers and power station operators	20	26	65	26	1 622	121	20	11	20	10	25	17	63
Other craftsmen and kindred workers	858	304	237	8 283	3 325	2 073	554	2 092	117	268	6 213	185	179
Operatives, except transport	**286**	**440**	**859**	**258**	**1 656**	**10 304**	**1 151**	**8 968**	**7 524**	**237**	**4 993**	**100**	**445**
Assemblers	5	12	-	29	50	668	5	14	37	-	166	-	25
Checkers, examiners, and inspectors; manufacturing	-	-	-	-	-	-	-	-	-	-	-	-	-
Filers, polishers, sanders, and buffers	-	8	4	5	-	59	-	21	32	-	52	-	-
Painters, manufactured articles	-	-	5	-	3	36	4	-	99	-	17	-	-
Precision machine operatives	-	6	10	4	14	167	18	-	9	-	31	-	9
Welders and flamecutters	66	27	35	6	135	311	5	-	15	-	61	-	9
Other specified operatives	73	260	377	94	938	5 794	887	8 184	7 118	131	3 719	48	167
Machine operatives, miscellaneous specified	5	56	22	19	59	1 235	78	200	59	72	332	22	89
Machine operatives, not specified	28	14	20	10	90	708	35	82	18	7	124	27	91
Miscellaneous operatives	56	53	354	71	323	958	115	295	106	27	323	-	36
Not specified operatives	53	4	32	20	44	368	4	172	31	-	168	3	19

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970 – Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Railroads and railway express service	Trucking service and warehousing	Other transportation	Communications	Utilities and sanitary services	Wholesale trade	Retail trade: General merchandise retailing	Retail trade: Food stores	Retail trade: Automotive dealers and gasoline stations	Retail trade: Eating and drinking places	Retail trade: Other retail trade	Insurance	Finance and real estate
THE STATE – Continued													
Total employed – Continued													
Transport equipment operatives	**896**	**13 873**	**11 138**	**119**	**2 967**	**8 625**	**992**	**1 592**	**872**	**398**	**5 243**	**39**	**290**
Deliverymen and routemen	23	1 151	57	43	27	3 661	757	1 015	233	184	2 733	11	25
Truck drivers	186	12 434	250	66	1 070	4 037	176	429	523	167	1 904	15	138
Other transport equipment operatives	687	288	10 831	10	1 870	927	59	148	116	47	606	13	127
Laborers, except farm	**558**	**3 085**	**1 426**	**147**	**3 516**	**4 892**	**2 216**	**10 268**	**692**	**218**	**4 393**	**65**	**1 327**
Freight, stock, and material handlers	127	2 884	974	43	1 144	3 457	2 148	9 849	111	74	2 440	24	67
Other specified laborers	67	88	253	51	1 299	506	22	186	458	25	1 287	23	820
Miscellaneous laborers	284	11	48	4	457	351	12	12	6	7	158	-	228
Not specified laborers	80	102	151	49	616	578	34	221	117	112	508	18	212
Farm workers	-	-	-	-	-	-	-	-	-	-	-	-	-
Service workers, including private household	**320**	**232**	**2 453**	**592**	**1 285**	**1 193**	**3 348**	**2 683**	**323**	**53 749**	**8 984**	**906**	**4 624**
Cleaning service workers	71	129	442	366	723	689	701	418	232	1 016	878	504	2 914
Personal service workers	22	23	1 387	64	15	76	445	41	4	587	212	92	338
Guards and watchmen	31	66	207	56	111	79	280	94	42	31	108	69	717
Other service workers, including private household	196	14	417	106	436	349	1 922	2 130	45	52 115	7 786	241	655
Female employed	**429**	**2 865**	**6 735**	**18 472**	**5 558**	**24 419**	**44 190**	**24 959**	**4 034**	**36 668**	**59 022**	**31 844**	**38 204**
Professional, technical, and kindred workers	**6**	**70**	**151**	**770**	**243**	**712**	**671**	**185**	**91**	**217**	**917**	**1 563**	**1 461**
Accountants	6	52	42	101	64	218	165	77	70	50	136	498	540
Computer specialists	-	-	5	69	26	108	27	5	-	-	20	363	150
Life and physical scientists	-	-	-	-	-	15	-	-	-	-	18	-	-
Registered nurses, dietitians, and therapists	-	4	11	8	19	12	68	8	6	32	19	57	26
Social scientists	-	-	-	15	8	11	-	5	-	-	14	25	51
Writers, artists, and entertainers	-	4	15	173	18	129	193	23	-	98	200	90	100
Other professional, technical, and kindred workers	-	10	78	404	108	219	218	67	15	37	510	530	594
Managers and administrators, except farm	**20**	**59**	**551**	**375**	**59**	**898**	**2 931**	**822**	**327**	**1 199**	**4 034**	**1 197**	**2 222**
Salaried	20	59	512	375	54	812	2 672	494	270	761	2 952	1 164	2 102
Self-employed	-	-	39	-	5	86	259	328	57	438	1 082	33	120
Sales workers	**6**	**5**	**141**	**167**	**97**	**1 241**	**22 970**	**4 902**	**203**	**596**	**25 775**	**2 177**	**2 996**
Clerical and kindred workers	**298**	**2 397**	**2 822**	**16 474**	**4 537**	**16 056**	**13 689**	**13 119**	**3 099**	**3 168**	**19 042**	**26 463**	**30 155**
Bookkeepers	12	549	304	497	350	4 038	1 667	1 114	1 547	814	5 469	1 877	3 913
Cashiers	-	38	53	67	158	176	3 839	9 613	58	1 509	2 424	147	214
Counter clerks, except food	-	-	5	266	23	265	329	101	-	32	102	24	20
File clerks	10	77	51	329	108	424	530	74	74	28	440	2 545	1 037
Office machine operators	38	127	43	486	159	988	576	327	56	64	319	1 482	1 702
Bookkeeping and billing machine operators	5	53	-	20	34	231	85	15	33	4	48	62	404
Receptionists	-	14	26	61	26	201	61	37	49	26	162	226	399
Secretaries	99	465	583	932	779	4 149	873	467	491	294	2 018	6 101	5 848
Stenographers	22	-	21	22	62	65	4	6	18	-	43	127	137
Typists	28	279	174	1 141	480	1 326	674	183	202	54	700	5 253	2 330
Other clerical and kindred workers	89	848	1 562	12 673	2 392	4 424	5 136	1 197	604	347	7 365	8 681	14 555
Craftsmen and kindred workers	**9**	**25**	**33**	**302**	**102**	**663**	**482**	**423**	**99**	**114**	**1 206**	**70**	**91**
Foremen, n.e.c.	-	14	-	96	24	130	290	40	11	19	140	23	59
Operatives, except transport	**10**	**75**	**16**	**98**	**79**	**4 073**	**837**	**3 177**	**151**	**80**	**2 671**	**42**	**169**
Assemblers	-	-	-	23	10	424	5	-	4	-	45	-	20
Checkers, examiners, and inspectors; manufacturing	-	-	-	-	-	-	-	-	-	-	-	-	-
Packers and wrappers, except meat and produce	-	40	-	9	-	1 397	417	832	4	44	182	-	5
Other operatives, except transport	10	35	16	66	69	2 252	415	2 345	143	36	2 444	42	144
Transport equipment operatives	**5**	**163**	**1 723**	**10**	**206**	**73**	**80**	**22**	**16**	**4**	**127**	-	-
Laborers, except farm	**36**	**53**	**32**	**25**	**40**	**508**	**470**	**727**	**18**	**7**	**516**	**6**	**135**
Farm workers	-	-	-	-	-	-	-	-	-	-	-	-	-
Service workers, including private household	**39**	**18**	**1 266**	**251**	**195**	**195**	**2 060**	**1 582**	**30**	**31 283**	**4 734**	**326**	**975**
Cleaning service workers	4	-	29	98	15	75	73	47	11	131	178	116	574
Personal service workers	11	12	1 168	59	-	33	363	20	4	291	151	41	138
Other service workers, including private household	24	6	69	94	180	87	1 624	1 515	15	30 861	4 405	169	263

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Business services	Repair services	Hotels and lodging places	Other personal services, including private household	Entertainment and recreation services	Hospitals	Health services, except hospitals	Educational services, government	Educational services, private	Welfare, religious, and nonprofit membership organizations	Other professional and related services	Public administration
THE STATE												
Total employed	**41 579**	**27 945**	**13 516**	**61 200**	**14 064**	**105 529**	**58 665**	**119 532**	**80 786**	**33 363**	**79 060**	**118 057**
Professional, technical, and kindred workers	**10 551**	**1 326**	**695**	**1 962**	**3 368**	**44 529**	**22 801**	**78 145**	**42 640**	**13 707**	**44 597**	**14 789**
Accountants	866	83	249	65	42	417	77	132	373	213	5 621	3 581
Architects	10	–	7	–	–	9	–	17	37	–	1 874	50
Computer specialists	1 669	110	14	18	–	161	30	124	625	37	740	312
Engineers	2 110	164	33	9	30	111	166	145	761	184	6 286	2 045
Chemical	33	–	–	–	–	5	11	6	26	5	135	9
Civil	80	5	8	–	6	20	49	41	108	39	1 887	875
Electrical and electronic	543	54	–	–	5	18	5	26	331	26	1 369	361
Industrial	635	24	11	5	5	22	8	5	24	29	270	243
Mechanical	210	47	5	4	9	4	17	10	88	20	853	170
Other engineers	609	34	9	–	5	42	76	57	184	65	1 772	387
Mathematical specialists	44	–	–	–	–	36	33	18	60	21	154	105
Life and physical scientists	344	5	6	5	4	484	273	235	678	33	1 104	688
Chemists	140	5	–	5	4	190	105	94	248	15	348	236
Personnel and labor relations workers	1 044	42	19	32	25	231	84	79	220	145	167	1 464
Social scientists	460	10	–	19	12	413	197	178	189	129	275	448
Engineering and science technicians	1 206	62	27	17	11	263	135	236	1 259	108	3 939	937
Draftsmen	421	5	15	10	–	9	13	18	119	55	2 168	221
Electrical and electronic engineering technicians	232	41	7	–	11	10	5	30	339	6	356	267
Industrial and mechanical engineering technicians	37	6	–	–	–	6	6	7	15	–	48	19
Technicians, except health, and engineering and science	68	30	–	243	10	28	21	64	247	48	215	872
Writers, artists, and entertainers	1 829	33	127	898	2 049	181	102	266	1 014	1 334	3 097	408
Other professional, technical, and kindred workers	901	787	213	656	1 185	42 195	21 683	76 651	37 177	11 455	21 125	3 879
Managers and administrators, except farm	**4 553**	**2 438**	**1 649**	**3 710**	**1 835**	**2 416**	**1 747**	**5 686**	**4 869**	**3 391**	**2 554**	**10 741**
Buyers, purchasing agents, and sales managers	403	79	55	104	53	245	29	27	153	32	233	333
Other managers and administrators	4 150	2 359	1 594	3 606	1 782	2 171	1 718	5 659	4 716	3 359	2 321	10 408
Salaried	3 438	1 576	1 173	2 342	1 475	2 161	1 497	5 659	4 536	3 334	2 183	10 408
Self-employed	712	783	421	1 264	307	10	221	–	180	25	138	–
Sales workers	**2 104**	**534**	**141**	**1 195**	**458**	**187**	**94**	**68**	**298**	**334**	**565**	**143**
Clerical and kindred workers	**12 350**	**3 198**	**2 344**	**5 203**	**1 939**	**15 642**	**8 762**	**15 777**	**16 288**	**8 785**	**19 447**	**46 394**
Bookkeepers	914	699	344	575	283	725	750	494	698	896	1 565	1 676
Cashiers	14	162	227	230	542	281	5	510	217	30	64	241
Estimators and investigators, n.e.c	522	84	18	28	9	40	17	–	20	44	100	824
Office machine operators	1 424	54	26	49	13	414	46	218	627	154	712	1 977
Shipping and receiving clerks	111	56	–	168	4	86	11	12	83	41	75	74
Stock clerks and storekeepers	107	25	10	78	20	473	43	126	204	19	81	615
Other clerical and kindred workers	9 258	2 118	1 719	4 075	1 068	13 623	7 890	14 417	14 439	7 601	16 850	40 987
Craftsmen and kindred workers	**2 961**	**14 638**	**340**	**1 872**	**877**	**2 626**	**1 407**	**1 438**	**1 968**	**761**	**1 436**	**5 775**
Blacksmiths, forgemen, hammermen, and boilermakers	–	181	5	–	11	15	6	21	–	3	4	24
Brickmasons and stonemasons	–	–	–	6	–	37	–	5	13	38	–	59
Carpenters	100	67	65	49	56	316	46	203	280	152	60	332
Cranemen, derrickmen, and hoistmen	98	–	–	–	–	–	10	5	11	–	–	63
Electricians	130	84	9	5	45	242	35	40	142	60	76	277
Excavating, grading, and road machine operators	27	32	–	–	10	6	32	13	18	8	9	149
Foremen, n.e.c	421	272	74	342	96	196	93	178	248	105	134	723
Mechanics and repairmen	882	11 777	29	161	227	351	55	205	221	20	202	2 029
Automobile, including body	66	8 106	–	34	10	34	13	32	4	9	5	645
Machinists, job setters, and toolmakers	140	116	–	38	12	43	26	22	173	5	135	211
Metal craftsmen, except mechanics and machinists	36	41	–	11	–	25	5	–	11	19	15	104
Painters, construction and maintenance, and plasterers and paperhangers	52	57	45	81	40	352	51	129	204	51	43	384
Plumbers and pipe fitters	63	9	14	9	5	241	29	76	131	73	9	209
Printing craftsmen	151	8	–	11	–	56	22	39	89	50	54	113
Stationary engineers and power station operators	27	16	56	70	10	422	8	117	102	16	49	341
Other craftsmen and kindred workers	834	1 978	43	1 089	365	324	989	385	325	161	646	757
Operatives, except transport	**1 780**	**2 409**	**240**	**9 028**	**166**	**2 177**	**468**	**482**	**734**	**494**	**1 025**	**1 208**
Assemblers	130	44	–	35	5	14	22	5	20	11	92	26
Checkers, examiners, and inspectors; manufacturing	–	–	–	–	–	–	–	–	–	–	–	–
Filers, polishers, sanders, and buffers	9	31	–	–	–	4	–	–	6	–	5	–
Painters, manufactured articles	8	315	–	6	–	4	5	–	–	–	–	4
Precision machine operatives	23	101	–	12	–	–	4	9	9	5	25	5
Welders and flamecutters	39	767	–	–	5	4	–	15	–	8	33	56
Other specified operatives	867	864	224	8 664	120	1 975	382	316	308	280	633	663
Machine operatives, miscellaneous specified	138	97	–	141	10	72	7	9	57	16	63	73
Machine operatives, not specified	99	19	5	22	6	17	5	14	18	19	42	121
Miscellaneous operatives	396	147	6	101	10	71	37	114	301	133	80	174
Not specified operatives	71	24	5	47	10	16	6	–	15	22	52	86

Table 180. **Occupation of Employed Persons by Industry Group and Sex: 1970**—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Business services	Repair services	Hotels and lodging places	Other personal services, including private household	Entertainment and recreation services	Hospitals	Health services, except hospitals	Educational services, government	Educational services, private	Welfare, religious, and nonprofit membership organizations	Other professional and related services	Public administration
THE STATE—Continued												
Total employed—Continued												
Transport equipment operatives	**488**	**1 007**	**19**	**1 518**	**99**	**242**	**101**	**165**	**273**	**140**	**138**	**1 505**
Deliverymen and routemen	216	30	–	1 054	4	9	29	14	16	16	–	84
Truck drivers	206	283	–	173	21	133	25	87	102	80	82	1 038
Other transport equipment operatives	66	694	19	291	74	100	47	64	155	44	56	383
Laborers, except farm	**608**	**1 283**	**205**	**1 853**	**1 009**	**728**	**237**	**279**	**697**	**303**	**501**	**4 022**
Freight, stock, and material handlers	181	41	–	273	82	236	7	65	89	79	66	2 034
Other specified laborers	131	1 092	127	1 140	801	368	124	182	520	125	358	1 323
Miscellaneous laborers	9	93	22	34	30	6	5	7	8	14	8	118
Not specified laborers	287	57	56	406	96	118	101	25	80	85	69	547
Farm workers	–	–	–	–	–	–	–	–	–	–	–	–
Service workers, including private household	**6 184**	**1 112**	**7 883**	**34 859**	**4 313**	**36 982**	**23 048**	**17 492**	**13 019**	**5 448**	**8 797**	**33 480**
Cleaning service workers	3 677	159	3 337	785	831	6 009	2 327	7 724	4 953	2 558	556	3 308
Personal service workers	131	99	1 377	16 329	1 428	1 018	699	2 213	1 842	1 160	255	519
Guards and watchmen	2 066	63	73	19	117	433	108	193	519	88	290	2 376
Other service workers, including private household	310	791	3 096	17 726	1 937	29 522	19 914	7 362	5 705	1 642	7 696	27 277
Female employed	**15 636**	**3 580**	**7 319**	**39 936**	**4 716**	**78 541**	**42 450**	**76 177**	**44 156**	**17 421**	**35 320**	**31 396**
Professional, technical, and kindred workers	**2 379**	**254**	**207**	**822**	**1 143**	**35 361**	**11 791**	**49 879**	**21 372**	**5 647**	**11 387**	**3 704**
Accountants	365	21	51	28	11	170	52	67	129	91	806	1 355
Computer specialists	391	14	5	–	–	71	12	28	188	15	217	38
Life and physical scientists	56	–	–	5	–	336	85	48	159	9	152	63
Registered nurses, dietitians, and therapists	112	–	16	358	12	26 838	8 452	1 338	601	270	107	272
Social scientists	58	5	–	9	–	157	86	104	71	51	47	61
Writers, artists, and entertainers	501	4	42	240	470	119	51	126	462	801	885	77
Other professional, technical, and kindred workers	896	210	93	182	650	7 670	3 053	48 168	19 762	4 410	9 173	1 838
Managers and administrators, except farm	**569**	**123**	**422**	**623**	**285**	**1 048**	**935**	**1 864**	**2 086**	**865**	**553**	**1 828**
Salaried	464	87	284	369	242	1 043	811	1 864	1 983	860	508	1 828
Self-employed	105	36	138	254	43	5	124	–	103	5	45	–
Sales workers	**532**	**110**	**64**	**868**	**244**	**143**	**68**	**48**	**141**	**126**	**240**	**61**
Clerical and kindred workers	**10 216**	**2 431**	**1 740**	**4 713**	**1 521**	**13 953**	**8 483**	**14 382**	**13 496**	**7 947**	**17 098**	**22 693**
Bookkeepers	805	574	254	496	240	602	696	470	612	767	1 266	1 232
Cashiers	14	95	191	210	405	243	–	499	193	30	55	175
Counter clerks, except food	64	87	303	1 358	55	71	4	36	67	22	5	15
File clerks	411	37	17	68	5	456	100	247	386	232	215	970
Office machine operators	1 072	33	21	45	8	337	41	143	293	100	491	1 649
Bookkeeping and billing machine operators	56	6	–	18	–	69	11	–	10	14	28	83
Receptionists	247	50	37	425	63	1 171	976	133	618	260	264	223
Secretaries	3 174	395	425	443	409	5 416	5 169	4 619	6 493	3 574	8 131	4 491
Stenographers	126	4	11	–	8	79	61	185	27	139	127	619
Typists	1 567	118	54	140	34	1 598	573	1 492	1 121	1 251	1 031	4 321
Other clerical and kindred workers	2 736	1 038	427	1 528	294	3 980	863	6 558	3 686	1 572	5 513	8 998
Craftsmen and kindred workers	**288**	**243**	**31**	**270**	**23**	**125**	**159**	**332**	**170**	**71**	**69**	**112**
Foremen, n.e.c	72	11	17	130	5	65	32	49	31	21	17	38
Operatives, except transport	**698**	**242**	**161**	**6 080**	**32**	**1 191**	**334**	**142**	**332**	**296**	**356**	**106**
Assemblers	85	15	–	17	–	8	–	–	12	6	43	–
Checkers, examiners, and inspectors; manufacturing	–	–	–	–	–	–	–	–	–	–	–	–
Packers and wrappers, except meat and produce	143	7	–	143	–	–	–	4	5	5	–	–
Other operatives, except transport	470	220	161	5 920	32	1 183	334	138	315	285	313	106
Transport equipment operatives	**78**	**15**	**–**	**33**	**6**	**4**	**14**	**16**	**61**	**10**	**10**	**26**
Laborers, except farm	**75**	**28**	**21**	**325**	**69**	**209**	**54**	**24**	**49**	**46**	**79**	**80**
Farm workers	–	–	–	–	–	–	–	–	–	–	–	–
Service workers, including private household	**801**	**134**	**4 673**	**26 202**	**1 393**	**26 507**	**20 612**	**9 490**	**6 449**	**2 413**	**5 528**	**2 786**
Cleaning service workers	561	36	2 575	324	86	3 039	1 306	625	1 451	628	137	304
Personal service workers	126	28	738	9 888	398	655	626	2 018	1 550	854	221	303
Other service workers, including private household	114	70	1 360	15 990	909	22 813	18 680	6 847	3 448	931	5 170	2 179

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Persons 16 years old and over	Agriculture, forestry, and fisheries	Mining	Construction	Manufacturing							
					Total	Durable goods						
						Furniture, lumber, and wood products	Stone, clay, and glass products	Primary ferrous industries	Primary nonferrous industries	Fabricated metal industries, including not specified metal	Machinery, except electrical	Electrical machinery, equipment, and supplies
BOSTON SMSA												
Total employed	**1 136 474**	**5 857**	**722**	**56 998**	**254 546**	**4 468**	**2 488**	**1 166**	**1 346**	**13 908**	**31 112**	**46 970**
Professional, technical, and kindred workers	**227 107**	**588**	**149**	**3 346**	**39 690**	**260**	**220**	**84**	**127**	**1 668**	**7 058**	**12 535**
Accountants	14 901	21	12	316	2 900	35	22	32	18	208	523	635
Architects	1 921	120	-	33	75	10	-	-	-	-	-	-
Computer specialists	6 769	-	-	35	2 113	4	10	-	-	56	892	580
Engineers	27 481	19	49	1 943	14 108	52	56	31	30	675	2 749	5 860
Chemical	699	-	11	54	386	-	-	-	-	22	45	96
Civil	4 006	-	-	1 461	143	-	11	-	-	38	22	9
Electrical and electronic	8 389	-	6	145	5 175	21	5	-	-	65	822	3 519
Industrial	4 115	-	23	60	2 742	9	11	5	14	137	480	935
Mechanical	3 742	9	-	112	2 416	6	6	10	-	234	773	536
Other engineers	6 530	10	9	111	3 246	16	23	16	16	179	607	765
Mathematical specialists	912	-	-	6	135	5	-	-	-	30	16	37
Life and physical scientists	4 323	52	25	5	1 211	6	14	-	17	37	98	266
Chemists	2 065	-	9	-	925	6	14	-	11	32	59	121
Personnel and labor relations workers	5 146	4	-	51	1 073	-	5	11	5	95	209	302
Social scientists	2 823	-	-	6	611	5	-	-	7	51	169	156
Engineering and science technicians	15 419	16	16	536	8 370	103	66	6	41	300	1 455	3 160
Draftsmen	5 503	10	6	247	2 742	86	32	6	4	152	639	833
Electrical and electronic engineering technicians	3 928	-	-	24	2 645	12	13	-	14	23	367	1 758
Industrial and mechanical engineering technicians	765	-	-	-	645	-	4	-	6	35	137	97
Technicians, except health, and engineering and science	2 031	5	6	23	200	-	-	-	-	22	38	62
Writers, artists, and entertainers	15 052	61	-	168	5 396	29	30	-	-	44	464	791
Other professional, technical, and kindred workers	130 329	290	41	224	3 498	11	17	4	9	150	445	686
Managers and administrators, except farm	**101 886**	**265**	**55**	**5 737**	**20 295**	**453**	**251**	**103**	**197**	**1 235**	**2 668**	**3 982**
Buyers, purchasing agents, and sales managers	15 088	20	20	194	4 048	78	28	15	19	222	561	922
Other managers and administrators	86 798	245	35	5 543	16 247	375	223	88	178	1 013	2 107	3 060
Salaried	76 177	172	35	4 091	15 326	310	213	84	170	960	2 008	3 026
Self-employed	10 621	73	-	1 452	921	65	10	4	8	53	99	34
Sales workers	**87 764**	**122**	**18**	**452**	**9 098**	**277**	**100**	**53**	**36**	**435**	**674**	**703**
Clerical and kindred workers	**260 407**	**372**	**105**	**4 325**	**41 591**	**492**	**324**	**157**	**235**	**2 081**	**5 239**	**7 296**
Bookkeepers	25 444	76	30	1 015	4 297	136	60	16	57	258	482	507
Cashiers	13 054	26	-	14	182	-	-	-	-	7	-	29
Estimators and investigators, n.e.c	4 571	-	-	573	623	13	-	-	-	81	78	87
Office machine operators	11 609	9	-	96	2 430	27	9	5	-	119	395	404
Shipping and receiving clerks	8 463	10	9	31	3 718	45	29	24	46	249	383	403
Stock clerks and storekeepers	6 331	4	-	90	2 353	30	17	18	7	125	430	477
Other clerical and kindred workers	190 935	247	66	2 506	27 988	241	209	94	125	1 242	3 471	5 389
Craftsmen and kindred workers	**131 604**	**261**	**119**	**32 399**	**47 584**	**1 338**	**460**	**307**	**272**	**3 290**	**6 596**	**5 848**
Blacksmiths, forgemen, hammermen, and boilermakers	502	-	-	32	284	-	-	-	-	50	11	5
Brickmasons and stonemasons	1 859	-	-	1 699	59	-	19	-	-	9	9	-
Carpenters	10 388	43	-	7 702	1 145	283	5	4	4	36	85	103
Cranemen, derrickmen, and hoistmen	1 213	9	11	436	429	8	10	19	6	62	57	25
Electricians	5 948	15	-	2 899	1 502	16	5	12	15	38	164	290
Excavating, grading, and road machine operators	1 761	11	42	1 369	41	-	7	-	-	11	-	-
Foremen, n.e.c	18 257	57	31	1 722	9 795	124	128	90	65	514	1 253	1 911
Mechanics and repairmen	25 790	51	12	1 438	5 967	40	31	26	40	438	917	1 004
Automobile, including body	9 985	5	6	198	370	-	11	-	5	17	25	53
Machinists, job setters, and toolmakers	9 936	-	5	52	8 953	30	70	37	29	950	3 188	1 625
Metal craftsmen, except mechanics and machinists	4 673	-	-	915	3 402	62	25	100	102	736	474	314
Painters, construction and maintenance, and plasterers and paperhangers	5 714	25	-	3 715	677	6	9	-	-	67	29	64
Plumbers and pipe fitters	5 760	9	5	3 534	1 241	15	-	-	-	53	118	86
Printing craftsmen	7 179	-	-	5	6 518	-	-	-	-	35	87	36
Stationary engineers and power station operators	2 088	-	13	79	528	-	8	6	-	24	63	83
Other craftsmen and kindred workers	30 536	41	-	6 802	7 043	754	143	13	11	267	141	302
Operatives, except transport	**112 099**	**122**	**165**	**1 783**	**82 503**	**1 406**	**674**	**346**	**382**	**4 403**	**7 742**	**15 095**
Assemblers	11 712	13	5	32	11 169	218	30	26	26	514	1 788	4 903
Checkers, examiners, and inspectors; manufacturing	7 807	-	-	-	7 807	33	62	13	68	525	793	3 026
Filers, polishers, sanders, and buffers	749	-	-	10	636	25	34	4	25	155	117	94
Painters, manufactured articles	761	-	-	-	520	37	6	-	11	49	44	121
Precision machine operatives	3 920	-	8	28	3 716	49	18	46	33	453	1 474	582
Welders and flamecutters	4 421	-	7	519	3 202	38	36	55	21	453	498	543
Other specified operatives	55 524	67	145	983	33 194	517	124	94	81	882	890	2 197
Machine operatives, miscellaneous specified	10 549	20	-	36	9 190	252	183	60	30	438	572	1 346
Machine operatives, not specified	6 666	-	-	31	5 936	100	52	17	55	625	811	989
Miscellaneous operatives	6 750	10	-	81	4 426	65	80	9	12	204	525	785
Not specified operatives	3 240	12	-	63	2 707	72	49	22	20	105	230	509

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Persons 16 years old and over	Agriculture, forestry, and fisheries	Mining	Construction	Manufacturing							
						Durable goods						
					Total	Furniture, lumber, and wood products	Stone, clay, and glass products	Primary ferrous industries	Primary nonferrous industries	Fabricated metal industries, including not specified metal	Machinery, except electrical	Electrical machinery, equipment, and supplies
BOSTON SMSA—Continued												
Total employed—Continued												
Transport equipment operatives	32 978	100	61	1 747	4 120	81	235	14	23	284	203	257
Deliverymen and routemen	6 752	20	17	87	1 400	29	20	-	-	37	47	57
Truck drivers	14 193	35	44	1 376	1 729	35	193	14	16	180	84	111
Other transport equipment operatives	12 033	45	-	284	991	17	22	-	7	67	72	89
Laborers, except farm	36 755	1 561	42	6 645	4 979	128	166	62	48	270	353	398
Freight, stock, and material handlers	16 962	9	15	146	2 168	47	53	11	4	93	141	197
Other specified laborers	14 772	1 464	-	6 487	1 162	61	17	-	6	41	77	73
Miscellaneous laborers	1 542	65	-	6	515	-	5	15	11	82	30	22
Not specified laborers	3 479	23	27	6	1 134	20	91	36	27	54	105	106
Farm workers	2 400	2 400	-	-	-	-	-	-	-	-	-	-
Service workers, including private household	143 474	66	8	564	4 686	33	58	40	26	242	579	856
Cleaning service workers	25 953	24	4	276	2 712	24	30	17	5	142	407	533
Personal service workers	15 571	9	-	16	251	-	5	-	9	7	18	15
Guards and watchmen	5 321	-	4	65	819	5	19	18	12	56	99	180
Other service workers, including private household	96 629	33	-	207	904	4	4	5	-	37	55	128
Female employed	465 939	1 077	107	3 728	79 112	991	520	135	204	2 957	5 940	17 128
Professional, technical, and kindred workers	88 731	63	-	142	4 564	15	33	12	4	158	456	1 161
Accountants	3 265	5	-	46	523	4	-	12	-	27	74	102
Computer specialists	1 782	-	-	8	360	-	5	-	-	-	112	125
Life and physical scientists	814	5	-	-	100	-	-	-	-	5	9	27
Registered nurses, dietitians, and therapists	19 883	6	-	-	151	-	-	-	-	8	25	70
Social scientists	674	-	-	-	42	-	-	-	-	11	-	10
Writers, artists, and entertainers	4 772	9	-	36	1 561	-	4	-	-	-	43	82
Other professional, technical, and kindred workers	57 541	38	-	52	1 827	11	24	-	4	107	193	745
Managers and administrators, except farm	15 290	13	10	189	1 386	29	15	-	5	48	178	245
Salaried	13 977	5	10	180	1 338	29	15	-	5	48	178	239
Self-employed	1 313	8	-	9	48	-	-	-	-	-	-	6
Sales workers	35 173	32	-	6	790	17	-	-	5	29	14	45
Clerical and kindred workers	193 636	309	72	2 839	27 856	349	223	98	131	1 275	3 351	5 146
Bookkeepers	20 885	66	20	735	3 390	111	44	16	42	190	380	382
Cashiers	10 706	20	-	4	137	-	-	-	-	7	-	25
Counter clerks, except food	2 513	-	5	-	575	5	-	4	5	23	26	57
File clerks	7 612	11	-	57	1 088	-	5	-	-	38	127	177
Office machine operators	8 443	9	-	68	1 635	27	9	5	-	90	223	264
Bookkeeping and billing machine operators	992	-	-	16	133	14	-	-	-	-	13	8
Receptionists	3 984	31	-	29	557	14	6	-	4	19	47	135
Secretaries	53 514	100	21	1 018	9 718	99	103	37	49	491	1 466	2 449
Stenographers	1 436	-	-	60	264	-	-	-	-	11	35	44
Typists	20 071	11	4	284	2 964	33	20	16	15	126	353	530
Other clerical and kindred workers	64 472	61	22	584	7 528	60	36	20	16	280	694	1 083
Craftsmen and kindred workers	6 107	5	-	352	3 198	76	23	-	7	122	166	573
Foremen, n.e.c	1 729	-	-	20	995	4	-	-	-	33	34	295
Operatives, except transport	50 308	34	25	46	39 950	505	199	20	48	1 221	1 715	9 711
Assemblers	7 194	8	-	5	6 901	93	14	6	15	196	566	3 915
Checkers, examiners, and inspectors; manufacturing	4 069	-	-	-	4 069	28	36	-	4	267	250	1 892
Packers and wrappers, except meat and produce	5 646	9	5	9	4 048	39	11	4	3	120	82	328
Other operatives, except transport	33 399	17	20	32	24 932	345	138	10	26	638	817	3 576
Transport equipment operatives	1 160	-	-	6	66	-	10	-	-	5	-	-
Laborers, except farm	2 781	163	-	100	731	-	17	-	-	60	24	88
Farm workers	434	434	-	-	-	-	-	-	-	-	-	-
Service workers, including private household	72 319	24	-	48	571	-	-	5	4	39	36	159
Cleaning service workers	6 032	4	-	28	177	-	-	-	-	18	11	38
Personal service workers	9 667	9	-	4	95	-	-	-	4	7	9	15
Other service workers, including private household	56 620	11	-	16	299	-	-	5	-	14	16	106

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More

	Manufacturing—Continued												
	Durable goods—Continued					Nondurable goods							
	Motor vehicles and motor vehicle equipment	Aircraft and parts	Other transportation equipment	Ordnance	Other durable goods	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing, and allied industries	Chemicals and allied products	Rubber and miscellaneous plastic products	Other nondurable goods, incl. not specified manufacturing
BOSTON SMSA													
Total employed	**2 058**	**8 750**	**12 227**	**981**	**28 177**	**15 004**	**4 121**	**14 066**	**8 014**	**23 600**	**8 141**	**7 422**	**20 527**
Professional, technical, and kindred workers	**151**	**2 150**	**1 712**	**455**	**5 215**	**588**	**319**	**283**	**464**	**3 510**	**1 451**	**690**	**750**
Accountants	32	72	103	20	316	200	75	31	81	164	130	110	93
Architects	–	–	60	–	–	–	–	–	–	5	–	–	–
Computer specialists	5	77	94	42	139	22	16	25	11	35	25	30	50
Engineers	53	1 250	617	288	1 515	107	80	20	132	35	240	173	145
Chemical	–	–	7	–	59	–	10	–	6	–	105	32	4
Civil	–	10	15	6	32	–	–	–	–	–	–	–	–
Electrical and electronic	–	141	139	124	307	–	6	–	10	9	–	–	7
Industrial	25	144	147	60	339	86	34	20	72	10	54	98	62
Mechanical	24	200	214	37	265	11	19	–	21	11	20	9	20
Other engineers	4	755	95	61	513	10	11	–	23	5	61	34	52
Mathematical specialists	–	15	–	–	10	3	–	5	–	4	10	–	–
Life and physical scientists	–	37	18	5	206	32	11	–	23	4	326	90	21
Chemists	–	27	14	–	152	32	11	–	23	4	308	90	21
Personnel and labor relations workers	17	31	74	6	107	28	15	6	21	47	54	21	19
Social scientists	–	46	5	4	62	9	6	–	4	25	56	6	–
Engineering and science technicians	20	374	441	64	1 437	98	59	34	34	31	448	144	55
Draftsmen	6	153	246	31	442	16	–	29	–	16	11	10	30
Electrical and electronic engineering technicians	5	52	108	22	242	5	–	–	–	6	13	–	5
Industrial and mechanical engineering technicians	–	76	31	–	132	8	17	5	13	9	49	21	5
Technicians, except health, and engineering and science	–	26	8	–	25	5	–	–	–	4	5	5	–
Writers, artists, and entertainers	5	90	108	16	310	29	26	148	58	3 066	36	33	113
Other professional, technical, and kindred workers	19	132	184	10	1 088	55	31	14	100	90	121	78	254
Managers and administrators, except farm	**117**	**514**	**314**	**92**	**2 171**	**1 230**	**412**	**906**	**763**	**1 904**	**1 044**	**699**	**1 240**
Buyers, purchasing agents, and sales managers	13	104	82	10	351	333	76	89	207	312	261	164	201
Other managers and administrators	104	410	232	82	1 820	897	336	817	556	1 592	783	535	1 039
Salaried	104	410	219	82	1 706	862	307	695	546	1 435	745	530	914
Self-employed	–	–	13	–	114	35	29	122	10	157	38	5	125
Sales workers	**86**	**38**	**34**	**4**	**741**	**743**	**231**	**622**	**364**	**1 876**	**885**	**221**	**975**
Clerical and kindred workers	**302**	**1 283**	**1 554**	**117**	**4 815**	**2 172**	**752**	**1 486**	**1 446**	**6 044**	**1 511**	**1 364**	**2 921**
Bookkeepers	50	62	105	12	405	312	59	359	136	627	144	206	304
Cashiers	–	–	16	–	12	32	–	6	12	30	6	10	22
Estimators and investigators, n.e.c	4	14	109	–	48	18	12	–	16	66	36	16	25
Office machine operators	27	125	86	11	149	193	48	88	56	320	56	142	170
Shipping and receiving clerks	76	33	22	4	376	440	100	318	193	326	193	180	278
Stock clerks and storekeepers	27	84	235	10	265	148	37	60	77	68	94	95	49
Other clerical and kindred workers	118	965	981	80	3 560	1 029	496	655	956	4 607	982	715	2 073
Craftsmen and kindred workers	**442**	**1 939**	**5 995**	**97**	**4 976**	**1 897**	**410**	**1 236**	**1 216**	**7 003**	**810**	**806**	**2 646**
Blacksmiths, forgemen, hammermen, and boilermakers	–	–	159	–	17	6	–	–	–	14	22	–	–
Brickmasons and stonemasons	–	–	–	–	–	14	–	–	–	–	8	–	–
Carpenters	–	36	429	–	85	11	–	–	14	4	11	23	12
Cranemen, derrickmen, and hoistmen	–	25	149	–	–	10	–	–	–	–	28	5	25
Electricians	10	50	543	–	152	41	6	–	38	49	32	31	10
Excavating, grading, and road machine operators	–	–	–	–	10	4	–	–	–	5	4	–	–
Foremen, n.e.c	117	332	610	46	1 026	686	181	367	369	689	330	332	625
Mechanics and repairmen	151	473	583	36	642	477	93	77	334	175	131	149	150
Automobile, including body	136	–	11	–	5	88	6	–	–	–	10	–	3
Machinists, job setters, and toolmakers	67	694	846	10	700	105	57	5	155	47	79	102	157
Metal craftsmen, except mechanics and machinists	38	201	914	5	259	33	6	–	27	7	11	53	35
Painters, construction and maintenance, and plasterers and paperhangers	12	5	400	–	23	25	–	8	5	18	6	–	–
Plumbers and pipe fitters	18	37	679	–	109	27	5	–	–	–	63	26	5
Printing craftsmen	–	5	18	–	68	8	–	7	219	5 935	6	26	68
Stationary engineers and power station operators	12	40	55	–	51	57	16	9	32	5	32	4	31
Other craftsmen and kindred workers	17	41	610	–	1 834	393	46	763	23	55	47	55	1 528
Operatives, except transport	**796**	**2 599**	**1 936**	**181**	**8 971**	**5 829**	**1 757**	**9 235**	**3 142**	**2 307**	**1 926**	**3 136**	**10 640**
Assemblers	329	520	50	40	1 717	116	21	40	173	106	152	151	249
Checkers, examiners, and inspectors; manufacturing	128	428	149	51	793	130	137	266	177	104	101	267	556
Filers, polishers, sanders, and buffers	9	31	18	–	86	–	–	–	–	–	4	5	29
Painters, manufactured articles	33	–	76	–	68	–	–	14	7	4	19	16	15
Precision machine operatives	31	532	94	6	232	8	6	12	15	–	22	87	16
Welders and flamecutters	108	361	900	–	100	17	5	–	9	–	4	13	41
Other specified operatives	72	232	227	9	3 840	3 261	1 588	8 270	968	843	650	810	7 639
Machine operatives, miscellaneous specified	24	157	179	9	629	1 281	–	268	959	517	477	950	859
Machine operatives, not specified	16	204	57	52	772	475	–	43	520	361	198	423	166
Miscellaneous operatives	12	57	125	11	450	347	–	190	203	295	121	189	746
Not specified operatives	34	77	61	3	284	194	–	132	111	77	178	225	324

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Manufacturing—Continued												
	Durable goods—Continued					Nondurable goods							
	Motor vehicles and motor vehicle equipment	Aircraft and parts	Other transportation equipment	Ordnance	Other durable goods	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing, and allied industries	Chemicals and allied products	Rubber and miscellaneous plastic products	Other nondurable goods, incl. not specified manufacturing
BOSTON SMSA—Continued													
Total employed—Continued													
Transport equipment operatives	52	29	136	-	168	1 285	32	41	211	450	164	145	310
Deliverymen and routemen	16	-	-	-	31	756	-	21	22	252	30	29	53
Truck drivers	20	10	61	-	55	396	22	20	105	173	69	41	124
Other transport equipment operatives	16	19	75	-	82	133	10	-	84	25	65	75	133
Laborers, except farm	63	80	328	16	530	714	105	144	251	281	187	225	630
Freight, stock, and material handlers	42	17	75	6	190	452	86	122	156	176	82	88	130
Other specified laborers	6	22	153	-	224	99	16	7	25	45	26	22	242
Miscellaneous laborers	-	12	45	-	17	29	-	6	5	12	5	46	173
Not specified laborers	15	29	55	10	99	134	3	9	65	48	74	69	85
Farm workers	-	-	-	-	-	-	-	-	-	-	-	-	-
Service workers, including private household	49	118	218	19	590	546	103	113	157	225	163	136	415
Cleaning service workers	21	91	98	14	279	289	69	64	121	172	80	88	168
Personal service workers	-	9	-	-	35	83	-	18	13	5	-	5	29
Guards and watchmen	13	18	63	5	123	26	29	22	19	13	47	22	30
Other service workers, including private household	15	-	57	-	153	148	5	9	4	35	36	21	188
Female employed	301	1 230	935	184	9 166	4 564	1 530	9 472	2 655	8 312	1 908	2 382	8 598
Professional, technical, and kindred workers	14	71	84	23	516	105	39	91	64	1 377	130	81	130
Accountants	-	21	9	5	36	53	12	16	31	57	21	23	20
Computer specialists	-	5	26	7	24	12	5	6	-	15	5	5	8
Life and physical scientists	-	-	-	-	30	6	-	-	-	4	19	-	-
Registered nurses, dietitians, and therapists	9	-	5	5	12	-	-	-	4	-	6	7	-
Social scientists	-	-	-	-	6	-	-	-	-	10	5	-	-
Writers, artists, and entertainers	-	9	11	6	85	-	4	39	9	1 221	5	16	27
Other professional, technical, and kindred workers	5	36	33	-	323	34	18	30	20	70	69	30	75
Managers and administrators, except farm	11	-	5	-	139	95	26	86	43	248	60	42	111
Salaried	11	-	5	-	130	95	26	76	43	233	60	42	103
Self-employed	-	-	-	-	9	-	-	10	-	15	-	-	8
Sales workers	5	-	-	-	75	108	13	63	33	226	29	29	99
Clerical and kindred workers	134	713	651	88	3 332	1 314	524	972	1 006	4 631	1 057	918	1 943
Bookkeepers	16	22	44	8	338	258	53	315	121	546	104	166	234
Cashiers	-	-	11	-	12	26	-	6	-	24	6	10	10
Counter clerks, except food	-	-	3	-	47	46	21	8	34	240	10	9	37
File clerks	12	25	17	12	104	49	4	62	33	278	27	46	72
Office machine operators	27	59	72	11	84	142	30	69	41	229	46	94	113
Bookkeeping and billing machine operators	-	-	9	-	14	20	-	-	4	25	5	4	17
Receptionists	11	5	-	4	106	19	20	15	28	79	13	28	4
Secretaries	36	379	190	40	1 207	340	176	176	312	1 033	505	277	353
Stenographers	6	25	26	-	39	5	7	8	-	39	9	-	10
Typists	10	102	152	-	255	88	62	98	121	647	123	93	120
Other clerical and kindred workers	16	96	136	13	1 140	341	151	215	316	1 516	214	195	990
Craftsmen and kindred workers	-	19	80	10	463	113	49	267	77	727	30	56	340
Foremen, n.e.c	-	-	5	-	125	65	30	168	39	94	20	29	54
Operatives, except transport	117	392	93	58	4 511	2 660	836	7 936	1 370	1 002	587	1 180	5 789
Assemblers	42	115	22	24	1 240	81	5	36	115	73	120	98	125
Checkers, examiners, and inspectors; manufacturing	26	60	5	9	480	34	93	237	108	99	64	160	217
Packers and wrappers, except meat and produce	5	32	5	-	321	1 685	51	219	353	117	210	282	181
Other operatives, except transport	44	185	61	25	2 470	860	687	7 444	794	713	193	640	5 266
Transport equipment operatives	-	-	-	-	-	35	-	-	-	5	-	5	6
Laborers, except farm	5	17	-	5	69	94	24	34	49	63	10	49	123
Farm workers	-	-	-	-	-	-	-	-	-	-	-	-	-
Service workers, including private household	15	18	22	-	61	40	19	23	13	33	5	22	57
Cleaning service workers	5	9	8	-	17	-	14	9	-	10	5	10	23
Personal service workers	-	9	-	-	21	-	-	5	9	5	-	-	11
Other service workers, including private household	10	-	14	-	23	40	5	9	4	18	-	12	23

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Railroads and railway express service	Trucking service and warehousing	Other transportation	Communications	Utilities and sanitary services	Wholesale trade	Retail trade: General merchandise retailing	Retail trade: Food stores	Retail trade: Automotive dealers and gasoline stations	Retail trade: Eating and drinking places	Retail trade: Other retail trade	Insurance	Finance and real estate
BOSTON SMSA													
Total employed	**3 686**	**12 628**	**20 844**	**21 277**	**16 482**	**54 623**	**35 840**	**31 187**	**15 765**	**35 256**	**65 886**	**36 531**	**48 886**
Professional, technical, and kindred workers	**97**	**212**	**1 225**	**2 490**	**1 449**	**3 015**	**804**	**472**	**250**	**475**	**3 137**	**3 324**	**3 515**
Accountants	37	91	170	206	175	666	199	174	167	102	305	861	1 482
Architects	-	-	-	-	5	5	-	-	-	9	-	11	16
Computer specialists	-	-	15	111	101	264	50	24	-	6	5	712	420
Engineers	39	35	197	798	538	943	15	37	42	-	112	211	80
Chemical	-	-	-	-	9	27	-	-	5	-	6	6	4
Civil	28	4	29	46	77	17	-	8	5	-	9	8	12
Electrical and electronic	11	-	18	660	290	94	-	6	5	-	16	4	5
Industrial	-	10	12	39	36	55	10	18	16	-	5	157	16
Mechanical	-	11	100	-	61	89	5	-	5	-	5	6	-
Other engineers	-	10	38	53	65	661	-	5	6	-	71	30	43
Mathematical specialists	-	-	-	10	5	30	19	-	-	-	5	265	51
Life and physical scientists	-	-	5	10	28	67	-	-	4	5	5	4	13
Chemists	-	-	5	-	9	57	-	-	-	5	5	4	6
Personnel and labor relations workers	-	34	100	269	43	122	199	90	16	74	91	329	225
Social scientists	-	-	3	35	10	56	9	11	-	-	25	74	247
Engineering and science technicians	5	6	50	268	226	279	25	25	-	7	46	66	28
Draftsmen	5	-	5	16	157	83	15	6	-	7	31	28	5
Electrical and electronic engineering technicians	-	6	5	221	37	79	10	4	-	-	4	18	6
Industrial and mechanical engineering technicians	-	-	-	-	-	31	-	10	-	-	-	-	-
Technicians, except health, and engineering and science	-	10	540	89	4	27	-	4	11	-	22	34	6
Writers, artists, and entertainers	-	10	31	552	56	226	187	38	-	233	291	131	117
Other professional, technical, and kindred workers	16	26	114	142	258	330	101	69	10	39	2 230	626	830
Managers and administrators, except farm	**420**	**909**	**1 560**	**1 477**	**784**	**9 118**	**4 063**	**3 773**	**2 907**	**4 026**	**9 342**	**3 473**	**8 412**
Buyers, purchasing agents, and sales managers	17	54	118	119	67	2 770	2 111	964	361	97	2 371	412	159
Other managers and administrators	403	855	1 442	1 358	717	6 348	1 952	2 809	2 546	3 929	6 971	3 061	8 253
Salaried	403	727	1 306	1 353	663	5 698	1 623	1 889	1 810	3 057	5 192	2 887	7 653
Self-employed	-	128	136	5	54	650	329	920	736	872	1 779	174	600
Sales workers	**14**	**226**	**352**	**277**	**378**	**11 468**	**15 551**	**4 898**	**2 383**	**671**	**23 981**	**7 530**	**6 868**
Clerical and kindred workers	**874**	**2 152**	**4 791**	**10 926**	**3 995**	**14 912**	**9 521**	**9 071**	**1 785**	**2 278**	**12 435**	**21 056**	**24 820**
Bookkeepers	90	336	277	361	285	2 863	873	627	647	523	2 927	1 363	3 082
Cashiers	10	29	414	39	65	132	2 092	5 814	24	1 027	1 375	113	157
Estimators and investigators, n.e.c	45	63	70	236	163	125	364	24	61	11	132	314	721
Office machine operators	26	80	42	423	106	808	466	236	43	84	248	1 263	1 749
Shipping and receiving clerks	38	335	165	17	26	1 954	620	256	37	25	663	79	17
Stock clerks and storekeepers	32	72	148	76	104	710	598	540	90	39	506	79	65
Other clerical and kindred workers	633	1 237	3 675	9 774	3 246	8 320	4 508	1 574	883	569	6 584	17 845	19 029
Craftsmen and kindred workers	**1 077**	**1 014**	**2 269**	**5 413**	**5 009**	**4 396**	**1 420**	**1 578**	**4 508**	**261**	**5 431**	**440**	**1 004**
Blacksmiths, forgemen, hammermen, and boilermakers	21	-	-	-	37	16	5	-	-	-	5	5	-
Brickmasons and stonemasons	-	-	-	-	11	5	-	-	-	-	6	-	8
Carpenters	26	5	75	11	24	84	57	58	6	9	117	17	202
Cranemen, derrickmen, and hoistmen	12	15	34	-	34	106	-	-	-	-	5	-	-
Electricians	86	4	168	-	363	53	15	10	-	5	63	37	47
Excavating, grading, and road machine operators	-	15	10	-	96	18	-	-	-	-	9	-	4
Foremen, n.e.c	111	260	294	438	861	1 238	556	359	157	62	591	57	189
Mechanics and repairmen	240	531	1 253	167	1 122	1 521	401	109	4 270	33	1 426	75	102
Automobile, including body	8	485	439	72	92	270	100	32	4 103	-	119	-	13
Machinists, job setters, and toolmakers	44	10	77	16	26	148	6	5	13	5	38	-	-
Metal craftsmen, except mechanics and machinists	10	18	22	-	5	76	-	-	11	-	36	18	5
Painters, construction and maintenance, and plasterers and paperhangers	11	10	36	-	37	37	28	3	5	22	54	13	236
Plumbers and pipe fitters	22	-	26	23	151	83	6	10	-	-	119	8	26
Printing craftsmen	-	-	16	30	11	67	39	10	-	-	34	79	45
Stationary engineers and power station operators	13	12	61	22	677	31	11	11	9	10	4	8	31
Other craftsmen and kindred workers	481	134	197	4 706	1 554	913	296	1 003	37	115	2 924	123	109
Operatives, except transport	**163**	**221**	**595**	**138**	**754**	**4 447**	**721**	**4 200**	**3 120**	**175**	**2 306**	**59**	**281**
Assemblers	-	-	-	17	28	204	5	4	9	-	65	-	-
Checkers, examiners, and inspectors; manufacturing	-	-	-	-	-	-	-	-	-	-	-	-	-
Filers, polishers, sanders, and buffers	-	8	-	5	-	17	-	-	21	-	24	-	-
Painters, manufactured articles	-	-	5	-	3	21	-	-	46	-	11	-	-
Precision machine operatives	-	6	5	4	8	38	12	-	4	-	14	-	5
Welders and flamecutters	28	12	18	-	52	135	5	-	4	-	37	-	4
Other specified operatives	35	133	206	50	447	2 965	564	3 852	2 958	86	1 771	32	115
Machine operatives, miscellaneous specified	5	27	16	5	4	414	67	113	14	62	148	10	75
Machine operatives, not specified	20	9	11	10	37	272	8	35	7	7	20	17	55
Miscellaneous operatives	32	26	302	42	156	285	56	159	46	20	166	-	18
Not specified operatives	43	-	32	5	19	96	4	37	11	-	50	-	9

Table 180. **Occupation of Employed Persons by Industry Group and Sex: 1970**—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Railroads and railway express service	Trucking service and warehousing	Other transportation	Communications	Utilities and sanitary services	Wholesale trade	Retail trade: General merchandise retailing	Retail trade: Food stores	Retail trade: Automotive dealers and gasoline stations	Retail trade: Eating and drinking places	Retail trade: Other retail trade	Insurance	Finance and real estate
BOSTON SMSA—Continued													
Total employed—Continued													
Transport equipment operatives	**499**	**6 070**	**6 984**	**77**	**1 643**	**4 095**	**548**	**851**	**417**	**229**	**2 103**	**24**	**176**
Deliverymen and routemen	17	480	44	30	10	1 722	378	482	82	88	1 094	6	20
Truck drivers	94	5 415	186	42	627	1 872	116	263	268	105	711	10	82
Other transport equipment operatives	388	175	6 754	5	1 006	501	54	106	67	36	298	8	74
Laborers, except farm	**292**	**1 689**	**1 080**	**102**	**1 758**	**2 611**	**1 437**	**5 029**	**250**	**115**	**2 279**	**25**	**701**
Freight, stock, and material handlers	105	1 593	713	39	564	1 962	1 405	4 815	54	41	1 334	15	41
Other specified laborers	53	40	216	24	641	258	11	99	150	-	689	-	431
Miscellaneous laborers	114	-	34	4	306	129	4	6	6	7	69	-	103
Not specified laborers	20	56	117	35	247	262	17	109	40	67	187	10	126
Farm workers	-	-	-	-	-	-	-	-	-	-	-	-	-
Service workers, including private household	**250**	**135**	**1 988**	**377**	**712**	**561**	**1 775**	**1 315**	**145**	**27 026**	**4 872**	**600**	**3 109**
Cleaning service workers	63	80	352	208	324	317	359	182	106	502	441	287	1 829
Personal service workers	17	18	1 208	39	10	16	251	9	-	322	101	83	241
Guards and watchmen	31	37	174	40	44	46	167	65	22	31	66	50	572
Other service workers, including private household	139	-	254	90	334	182	998	1 059	17	26 171	4 264	180	467
Female employed	**320**	**1 387**	**4 541**	**11 461**	**2 993**	**13 844**	**24 623**	**12 240**	**1 709**	**17 819**	**30 127**	**21 353**	**24 373**
Professional, technical, and kindred workers	-	**55**	**131**	**553**	**124**	**480**	**433**	**129**	**48**	**140**	**432**	**1 105**	**1 151**
Accountants	-	37	42	83	23	150	96	43	33	25	73	299	386
Computer specialists	-	-	5	54	20	84	22	5	-	-	5	288	117
Life and physical scientists	-	-	-	-	-	11	-	-	-	-	-	-	-
Registered nurses, dietitians, and therapists	-	4	11	8	9	5	41	8	-	28	10	34	26
Social scientists	-	-	-	11	-	11	-	5	-	-	14	15	39
Writers, artists, and entertainers	-	4	15	100	6	91	132	17	-	67	117	58	80
Other professional, technical, and kindred workers	-	10	58	297	66	128	142	51	15	20	213	411	503
Managers and administrators, except farm	**8**	**26**	**309**	**223**	**51**	**551**	**1 434**	**337**	**123**	**452**	**2 041**	**763**	**1 387**
Salaried	8	26	299	223	46	527	1 350	215	107	343	1 612	742	1 326
Self-employed	-	-	10	-	5	24	84	122	16	109	429	21	61
Sales workers	**6**	**5**	**108**	**90**	**56**	**649**	**12 725**	**2 383**	**70**	**312**	**13 379**	**1 542**	**1 647**
Clerical and kindred workers	**240**	**1 104**	**2 174**	**10 175**	**2 432**	**10 125**	**7 859**	**6 611**	**1 368**	**1 938**	**9 685**	**17 616**	**19 304**
Bookkeepers	8	271	197	350	185	2 390	816	540	547	475	2 591	1 216	2 365
Cashiers	-	16	47	39	40	102	1 976	4 652	19	906	1 232	97	107
Counter clerks, except food	-	-	-	195	17	170	195	81	-	5	65	24	15
File clerks	10	44	51	272	61	249	413	65	39	23	312	2 001	785
Office machine operators	26	64	33	397	77	689	417	200	43	61	171	912	1 205
Bookkeeping and billing machine operators	5	14	-	15	8	169	61	5	29	4	24	58	232
Receptionists	-	10	21	43	15	102	36	17	35	4	105	152	227
Secretaries	89	256	453	683	407	2 941	531	345	287	218	1 022	3 867	4 115
Stenographers	18	-	12	12	28	47	4	-	11	-	10	74	95
Typists	24	117	146	827	232	918	474	135	92	33	389	3 529	1 715
Other clerical and kindred workers	65	326	1 214	7 357	1 370	2 517	2 997	576	295	213	3 788	5 744	8 675
Craftsmen and kindred workers	**5**	**16**	**18**	**184**	**39**	**208**	**271**	**193**	**25**	**56**	**524**	**49**	**69**
Foremen, n.e.c	-	5	-	51	5	58	169	22	6	14	69	14	42
Operatives, except transport	**10**	**35**	**7**	**37**	**27**	**1 499**	**533**	**1 590**	**52**	**49**	**1 307**	**26**	**91**
Assemblers	-	-	-	11	4	146	5	-	4	-	10	-	-
Checkers, examiners, and inspectors; manufacturing	-	-	-	-	-	-	-	-	-	-	-	-	-
Packers and wrappers, except meat and produce	-	10	-	-	-	549	273	502	4	24	64	-	-
Other operatives, except transport	10	25	7	26	23	804	255	1 088	44	25	1 233	26	91
Transport equipment operatives	-	**90**	**623**	**10**	**79**	**23**	**39**	-	**6**	-	**82**	-	-
Laborers, except farm	**21**	**44**	**21**	**16**	**35**	**229**	**278**	**258**	**5**	-	**240**	**6**	**49**
Farm workers	-	-	-	-	-	-	-	-	-	-	-	-	-
Service workers, including private household	**30**	**12**	**1 150**	**173**	**150**	**80**	**1 051**	**739**	**12**	**14 872**	**2 437**	**246**	**675**
Cleaning service workers	4	-	24	54	10	26	20	11	6	49	74	89	392
Personal service workers	6	12	1 071	34	-	4	190	-	-	158	77	32	87
Other service workers, including private household	20	-	55	85	140	50	841	728	6	14 665	2 286	125	196

Table 180. **Occupation of Employed Persons by Industry Group and Sex: 1970**—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Business services	Repair services	Hotels and lodging places	Other personal services, including private household	Entertainment and recreation services	Hospitals	Health services, except hospitals	Educational services, government	Educational services, private	Welfare, religious, and nonprofit membership organizations	Other professional and related services	Public administration
BOSTON SMSA												
Total employed	**27 565**	**13 892**	**7 435**	**31 784**	**7 725**	**57 739**	**29 528**	**54 819**	**52 878**	**18 550**	**50 664**	**66 881**
Professional, technical, and kindred workers	**7 471**	**789**	**439**	**1 033**	**2 216**	**26 156**	**12 634**	**37 071**	**28 842**	**7 782**	**29 719**	**8 717**
Accountants	551	52	181	40	22	271	33	52	260	135	3 717	1 703
Architects	10	-	7	-	-	9	-	11	37	-	1 523	50
Computer specialists	1 273	59	9	10	-	138	18	55	564	37	534	216
Engineers	1 420	110	33	4	16	52	83	46	636	133	4 572	1 210
Chemical	28	-	-	-	-	-	11	-	17	5	121	9
Civil	46	5	8	-	6	11	27	14	83	39	1 400	520
Electrical and electronic	346	33	-	-	-	13	5	11	296	21	1 035	194
Industrial	501	13	11	-	5	4	4	-	17	20	208	133
Mechanical	121	36	5	4	-	-	-	5	78	14	541	119
Other engineers	378	23	9	-	5	24	36	16	145	34	1 267	235
Mathematical specialists	37	-	-	-	-	15	33	9	55	12	142	83
Life and physical scientists	248	5	6	-	-	393	191	67	599	24	847	509
Chemists	101	5	-	-	-	159	80	25	230	11	258	171
Personnel and labor relations workers	791	33	10	15	25	179	65	42	182	103	94	887
Social scientists	347	-	-	19	12	314	141	120	169	102	222	290
Engineering and science technicians	818	22	11	9	7	216	93	108	1 025	75	2 517	549
Draftsmen	270	5	6	6	-	9	13	10	105	50	1 534	132
Electrical and electronic engineering technicians	168	13	-	-	7	10	5	10	286	-	226	144
Industrial and mechanical engineering technicians	21	-	-	-	-	-	6	-	11	-	32	9
Technicians, except health, and engineering and science	27	26	-	121	-	19	16	20	196	43	132	450
Writers, artists, and entertainers	1 287	24	83	480	1 386	143	80	138	780	731	2 149	274
Other professional, technical, and kindred workers	662	458	99	335	748	24 407	11 881	36 403	24 339	6 387	13 270	2 496
Managers and administrators, except farm	**3 097**	**1 311**	**780**	**1 954**	**1 017**	**1 396**	**834**	**2 570**	**2 925**	**1 801**	**1 705**	**5 880**
Buyers, purchasing agents, and sales managers	304	47	45	63	47	140	17	16	121	13	183	190
Other managers and administrators	2 793	1 264	735	1 891	970	1 256	817	2 554	2 804	1 788	1 522	5 690
Salaried	2 425	897	685	1 273	828	1 246	740	2 554	2 724	1 784	1 446	5 690
Self-employed	368	367	50	618	142	10	77	-	80	4	76	-
Sales workers	**1 379**	**295**	**82**	**662**	**232**	**71**	**58**	**14**	**154**	**145**	**330**	**55**
Clerical and kindred workers	**8 520**	**2 022**	**1 540**	**2 940**	**1 193**	**9 693**	**4 981**	**7 471**	**11 602**	**5 380**	**12 806**	**27 250**
Bookkeepers	632	348	205	353	170	475	381	207	461	544	1 027	969
Cashiers	4	82	169	123	309	181	-	330	161	5	52	125
Estimators and investigators, n.e.c	293	52	18	28	5	30	8	-	20	27	65	500
Office machine operators	944	29	21	31	13	294	36	85	504	139	498	906
Shipping and receiving clerks	72	40	-	104	4	57	11	3	58	34	55	25
Stock clerks and storekeepers	57	8	10	45	-	254	22	28	137	14	39	211
Other clerical and kindred workers	6 518	1 463	1 117	2 256	692	8 402	4 523	6 818	10 261	4 617	11 070	24 514
Craftsmen and kindred workers	**1 734**	**6 301**	**172**	**1 038**	**438**	**1 313**	**734**	**501**	**1 322**	**402**	**766**	**2 700**
Blacksmiths, forgemen, hammermen, and boilermakers	-	64	5	-	-	6	-	-	-	3	-	19
Brickmasons and stonemasons	-	-	-	-	-	21	-	5	7	17	-	21
Carpenters	40	36	27	22	42	170	24	87	151	60	33	115
Cranemen, derrickmen, and hoistmen	63	-	-	-	-	-	10	-	-	-	-	49
Electricians	89	53	4	-	35	123	25	12	113	46	36	145
Excavating, grading, and road machine operators	11	16	-	-	5	-	16	7	18	5	-	68
Foremen, n.e.c	236	132	22	198	49	93	31	59	172	68	76	343
Mechanics and repairmen	464	4 907	10	94	117	172	27	89	180	11	100	901
Automobile, including body	48	3 202	-	30	4	12	7	18	4	5	5	338
Machinists, job setters, and toolmakers	98	84	-	27	-	16	20	5	120	-	84	84
Metal craftsmen, except mechanics and machinists	30	30	-	5	-	10	5	-	11	19	11	34
Painters, construction and maintenance, and plasterers and paperhangers	33	42	38	38	13	189	22	31	113	28	28	230
Plumbers and pipe fitters	54	5	9	4	-	152	14	28	95	38	4	94
Printing craftsmen	89	-	-	5	-	20	4	30	57	23	30	67
Stationary engineers and power station operators	8	4	43	34	4	197	5	18	82	10	16	147
Other craftsmen and kindred workers	519	928	14	611	173	144	531	130	203	74	348	383
Operatives, except transport	**959**	**1 089**	**124**	**5 023**	**79**	**1 006**	**169**	**227**	**450**	**170**	**433**	**617**
Assemblers	57	15	-	13	5	8	3	5	9	-	36	10
Checkers, examiners, and inspectors; manufacturing	-	-	-	-	-	-	-	-	-	-	-	-
Filers, polishers, sanders, and buffers	5	13	-	-	-	4	-	-	6	-	-	-
Painters, manufactured articles	-	155	-	-	-	-	-	-	-	-	-	-
Precision machine operatives	15	33	-	5	-	-	4	-	-	5	5	5
Welders and flamecutters	30	314	-	-	-	-	-	4	-	4	14	32
Other specified operatives	472	401	118	4 880	61	910	134	124	160	91	268	302
Machine operatives, miscellaneous specified	69	29	-	71	5	35	7	9	39	5	29	45
Machine operatives, not specified	63	7	-	6	3	-	-	-	18	6	22	66
Miscellaneous operatives	215	104	6	24	5	43	15	85	215	54	53	106
Not specified operatives	33	18	-	24	-	6	6	-	3	5	6	51

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Business services	Repair services	Hotels and lodging places	Other personal services, including private household	Entertainment and recreation services	Hospitals	Health services, except hospitals	Educational services, government	Educational services, private	Welfare, religious, and nonprofit membership organizations	Other professional and related services	Public administration
BOSTON SMSA—Continued												
Total employed—Continued												
Transport equipment operatives	**266**	**699**	**13**	**782**	**60**	**108**	**82**	**57**	**190**	**81**	**69**	**827**
Deliverymen and routemen	107	20	-	520	4	9	20	-	16	16	-	63
Truck drivers	108	149	-	92	17	36	20	44	60	55	47	590
Other transport equipment operatives	51	530	13	170	39	63	42	13	114	10	22	174
Laborers, except farm	**377**	**697**	**55**	**902**	**408**	**327**	**96**	**105**	**411**	**136**	**277**	**2 369**
Freight, stock, and material handlers	117	18	-	127	59	139	-	25	85	39	18	1 316
Other specified laborers	68	641	17	561	259	152	52	63	261	51	219	703
Miscellaneous laborers	9	26	10	9	21	-	-	7	8	-	-	84
Not specified laborers	183	12	28	205	69	36	44	10	57	46	40	266
Farm workers	-	-	-	-	-	-	-	-	-	-	-	-
Service workers, including private household	**3 762**	**689**	**4 230**	**17 450**	**2 082**	**17 669**	**9 940**	**6 803**	**6 982**	**2 653**	**4 559**	**18 466**
Cleaning service workers	2 260	80	1 527	399	437	3 040	948	3 118	2 683	1 245	331	1 819
Personal service workers	95	43	827	7 444	751	631	273	921	1 023	594	116	262
Guards and watchmen	1 198	38	47	13	61	224	45	64	322	56	205	815
Other service workers, including private household	209	528	1 829	9 594	833	13 774	8 674	2 700	2 954	758	3 907	15 570
Female employed	**10 623**	**2 177**	**3 847**	**20 225**	**2 551**	**42 094**	**20 318**	**36 563**	**27 491**	**10 083**	**21 438**	**17 715**
Professional, technical, and kindred workers	**1 725**	**148**	**101**	**371**	**703**	**19 560**	**6 066**	**25 038**	**13 232**	**3 497**	**6 900**	**1 840**
Accountants	189	9	39	14	-	102	33	25	81	72	460	377
Computer specialists	318	5	5	-	-	66	12	11	158	15	197	27
Life and physical scientists	47	-	-	-	-	272	70	9	136	-	110	54
Registered nurses, dietitians, and therapists	73	-	5	148	6	14 055	3 992	588	346	135	48	146
Social scientists	53	-	-	9	-	132	58	79	71	46	42	47
Writers, artists, and entertainers	403	-	27	116	307	94	35	77	364	370	629	57
Other professional, technical, and kindred workers	642	134	25	84	390	4 839	1 866	24 249	12 076	2 859	5 414	1 132
Managers and administrators, except farm	**413**	**74**	**180**	**329**	**125**	**593**	**408**	**863**	**1 216**	**419**	**319**	**1 048**
Salaried	353	44	168	187	111	588	369	863	1 168	419	302	1 048
Self-employed	60	30	12	142	14	5	39	-	48	-	17	-
Sales workers	**303**	**67**	**28**	**480**	**119**	**62**	**42**	**11**	**77**	**50**	**118**	**16**
Clerical and kindred workers	**7 049**	**1 555**	**1 194**	**2 612**	**955**	**8 526**	**4 783**	**6 789**	**9 453**	**4 792**	**11 081**	**13 140**
Bookkeepers	556	284	152	298	142	389	348	199	402	460	794	699
Cashiers	4	38	148	119	229	160	-	319	145	5	47	98
Counter clerks, except food	23	77	157	727	12	53	4	31	51	11	5	15
File clerks	299	27	12	19	5	349	66	99	295	159	175	626
Office machine operators	690	24	16	27	8	242	31	47	223	89	348	691
Bookkeeping and billing machine operators	40	6	-	9	-	54	5	-	10	14	23	58
Receptionists	183	40	29	220	30	647	501	70	426	125	186	143
Secretaries	2 407	251	330	212	334	3 567	2 955	2 123	4 756	2 258	5 351	2 899
Stenographers	79	4	-	-	8	13	37	112	20	46	69	413
Typists	1 121	85	50	94	24	924	362	647	817	736	703	2 614
Other clerical and kindred workers	1 687	725	300	896	163	2 182	479	3 142	2 318	903	3 403	4 942
Craftsmen and kindred workers	**178**	**119**	**16**	**165**	**5**	**43**	**50**	**112**	**89**	**30**	**29**	**59**
Foremen, n.e.c	45	11	12	81	-	28	10	16	15	13	10	18
Operatives, except transport	**343**	**107**	**70**	**3 259**	**17**	**550**	**117**	**54**	**181**	**82**	**141**	**69**
Assemblers	53	4	-	7	-	8	-	-	5	-	23	-
Checkers, examiners, and inspectors; manufacturing	-	-	-	-	-	-	-	-	-	-	-	-
Packers and wrappers, except meat and produce	63	-	-	86	-	-	-	-	-	-	-	-
Other operatives, except transport	227	103	70	3 166	17	542	117	54	176	82	118	69
Transport equipment operatives	**19**	**8**	-	**33**	**6**	**4**	**10**	-	**46**	-	**5**	**5**
Laborers, except farm	**53**	**18**	**10**	**172**	**38**	**106**	**24**	**20**	**33**	**27**	**28**	**56**
Farm workers	-	-	-	-	-	-	-	-	-	-	-	-
Service workers, including private household	**540**	**81**	**2 248**	**12 804**	**583**	**12 650**	**8 818**	**3 676**	**3 164**	**1 186**	**2 817**	**1 482**
Cleaning service workers	374	25	1 105	160	34	1 411	510	272	644	281	58	190
Personal service workers	90	11	405	4 129	216	410	242	855	861	413	111	145
Other service workers, including private household	76	45	738	8 515	333	10 829	8 066	2 549	1 659	492	2 648	1 147

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Persons 16 years old and over	Agriculture, forestry, and fisheries	Mining	Construction	Manufacturing							
					Total	Durable goods						
						Furniture, lumber, and wood products	Stone, clay, and glass products	Primary ferrous industries	Primary nonferrous industries	Fabricated metal industries, including not specified metal	Machinery, except electrical	Electrical machinery, equipment, and supplies
PROVIDENCE–PAWTUCKET–WARWICK, R.I.–MASS., SMSA												
Total employed	371 782	2 662	340	19 777	140 350	1 662	2 725	2 662	7 044	9 618	12 464	10 497
Professional, technical, and kindred workers	49 348	178	20	846	9 016	65	171	234	378	624	1 530	1 643
Accountants	3 119	4	-	95	857	-	11	43	58	78	83	123
Architects	227	26	-	14	22	-	-	-	-	-	12	5
Computer specialists	887	-	-	16	378	5	-	13	17	20	102	82
Engineers	5 115	12	12	381	2 827	8	43	88	128	247	674	800
Chemical	125	-	5	-	110	-	-	-	6	8	7	4
Civil	803	-	-	315	30	-	6	-	-	4	-	5
Electrical and electronic	995	-	-	3	555	-	-	-	25	12	36	384
Industrial	1 116	-	-	21	841	-	9	22	37	72	139	251
Mechanical	785	7	-	10	584	4	12	46	5	62	287	50
Other engineers	1 291	5	7	32	707	4	16	20	55	89	205	106
Mathematical specialists	109	-	-	-	32	-	-	-	-	-	-	5
Life and physical scientists	879	-	-	-	465	-	11	5	34	20	8	24
Chemists	592	-	-	-	426	-	11	5	28	20	8	20
Personnel and labor relations workers	1 180	-	8	19	357	5	-	-	20	21	59	58
Social scientists	441	-	-	-	89	-	-	-	-	5	33	28
Engineering and science technicians	3 457	-	-	198	2 026	33	92	57	47	143	357	361
Draftsmen	1 206	-	-	90	625	33	5	20	10	104	182	87
Electrical and electronic engineering technicians	556	-	-	6	358	-	6	4	6	5	44	207
Industrial and mechanical engineering technicians	207	-	-	-	165	-	5	9	4	7	78	5
Technicians, except health, and engineering and science	428	-	-	-	26	-	-	-	-	-	10	4
Writers, artists, and entertainers	3 058	38	-	28	1 194	10	10	7	4	57	69	88
Other professional, technical, and kindred workers	30 448	98	-	95	743	4	4	21	70	33	123	65
Managers and administrators, except farm	26 845	95	24	1 639	6 795	130	147	110	267	698	715	475
Buyers, purchasing agents, and sales managers	3 516	10	4	57	980	35	9	20	54	73	131	86
Other managers and administrators	23 329	85	20	1 582	5 815	95	138	90	213	625	584	389
Salaried	19 733	36	20	1 097	5 353	91	129	85	202	578	556	382
Self-employed	3 596	49	-	485	462	4	9	5	11	47	28	7
Sales workers	24 190	70	6	128	2 514	58	75	7	53	128	214	103
Clerical and kindred workers	65 420	123	24	1 187	17 307	182	200	364	784	1 347	1 760	1 288
Bookkeepers	6 670	14	9	281	1 822	39	29	35	76	143	145	89
Cashiers	4 069	7	-	-	44	-	-	-	-	8	-	5
Estimators and investigators, n.e.c	1 047	7	-	143	183	8	13	-	-	29	39	16
Office machine operators	2 418	-	-	28	860	-	-	13	81	42	103	96
Shipping and receiving clerks	3 321	-	5	11	2 454	46	43	50	120	219	128	122
Stock clerks and storekeepers	2 784	9	-	27	1 257	7	17	26	47	78	191	88
Other clerical and kindred workers	45 111	86	10	697	10 687	82	98	240	460	828	1 154	872
Craftsmen and kindred workers	55 843	89	90	11 608	25 979	504	556	658	1 309	2 192	3 362	1 631
Blacksmiths, forgemen, hammermen, and boilermakers	239	-	-	10	117	-	6	18	-	59	4	7
Brickmasons and stonemasons	643	-	-	584	27	-	18	-	-	-	9	-
Carpenters	4 427	26	6	3 526	495	83	11	4	10	37	34	5
Cranemen, derrickmen, and hoistmen	444	-	-	114	279	-	35	71	69	17	23	-
Electricians	1 924	-	-	858	552	-	34	33	48	34	62	40
Excavating, grading, and road machine operators	797	13	25	649	18	-	7	-	-	5	-	-
Foremen, n.e.c	10 016	14	24	701	6 865	61	218	89	445	544	511	450
Mechanics and repairmen	11 484	19	20	497	3 373	32	68	29	162	114	352	202
Automobile, including body	4 224	-	9	126	132	-	5	-	5	5	6	7
Machinists, job setters, and toolmakers	5 935	-	4	25	5 558	27	24	113	205	809	1 902	507
Metal craftsmen, except mechanics and machinists	2 435	-	-	204	2 024	-	6	236	297	347	220	274
Painters, construction and maintenance, and plasterers and paperhangers	1 998	-	-	1 217	411	12	4	-	-	24	39	29
Plumbers and pipe fitters	1 667	-	-	1 115	326	-	5	5	15	28	64	36
Printing craftsmen	2 131	-	-	7	1 924	-	-	-	14	35	28	19
Stationary engineers and power station operators	771	-	6	22	207	-	-	10	18	5	32	25
Other craftsmen and kindred workers	10 932	17	5	2 079	3 803	289	120	50	26	134	82	37
Operatives, except transport	79 925	71	83	639	69 686	643	1 178	1 055	3 682	3 928	4 278	4 971
Assemblers	6 676	6	-	12	6 357	140	111	57	192	356	641	1 444
Checkers, examiners, and inspectors; manufacturing	5 713	-	-	-	5 713	9	312	76	363	333	411	802
Filers, polishers, sanders, and buffers	1 817	-	-	-	1 722	20	10	25	42	150	124	18
Painters, manufactured articles	951	-	-	6	811	18	6	-	15	110	13	20
Precision machine operatives	2 827	-	-	5	2 765	-	28	93	52	522	1 405	189
Welders and flamecutters	1 679	6	13	134	1 270	5	34	54	48	226	189	204
Other specified operatives	36 562	37	70	424	29 040	165	285	368	848	999	409	875
Machine operatives, miscellaneous specified	10 335	14	-	9	9 749	159	180	136	976	432	250	504
Machine operatives, not specified	4 194	-	-	5	3 956	46	68	103	552	351	514	380
Miscellaneous operatives	5 034	4	-	22	4 382	45	56	34	356	202	147	180
Not specified operatives	4 137	4	-	22	3 921	36	88	109	238	247	175	355

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Persons 16 years old and over	Agriculture, forestry, and fisheries	Mining	Construction	Manufacturing							
					Total	Durable goods						
						Furniture, lumber, and wood products	Stone, clay, and glass products	Primary ferrous industries	Primary nonferrous industries	Fabricated metal industries, including not specified metal	Machinery, except electrical	Electrical machinery, equipment, and supplies
PROVIDENCE-PAWTUCKET-WARWICK, R.I.-MASS., SMSA—Continued												
Total employed—Continued												
Transport equipment operatives	12 473	85	71	879	2 270	33	177	72	189	104	116	47
Deliverymen and routemen	2 887	31	-	29	695	5	6	4	5	16	25	11
Truck drivers	6 255	20	71	773	867	18	136	18	76	35	37	24
Other transport equipment operatives	3 331	34	-	77	708	10	35	50	108	53	54	12
Laborers, except farm	13 977	672	18	2 593	4 285	38	167	125	233	404	210	189
Freight, stock, and material handlers	6 274	-	9	65	2 327	6	30	28	131	237	93	128
Other specified laborers	5 427	654	-	2 528	654	19	24	16	15	37	43	31
Miscellaneous laborers	747	14	9	-	414	-	41	42	36	64	25	6
Not specified laborers	1 529	4	-	-	890	13	72	39	51	66	49	24
Farm workers	1 223	1 223	-	-	-	-	-	-	-	-	-	-
Service workers, including private household	42 538	56	4	258	2 498	9	54	37	149	193	279	150
Cleaning service workers	8 099	35	-	107	1 557	-	38	22	94	129	208	60
Personal service workers	5 041	-	-	5	92	-	6	-	14	-	7	9
Guards and watchmen	1 593	-	-	21	405	-	10	5	27	54	41	47
Other service workers, including private household	27 805	21	4	125	444	9	-	10	14	10	23	34
Female employed	150 439	477	42	1 147	56 134	507	720	511	1 713	2 791	1 727	4 884
Professional, technical, and kindred workers	20 022	48	-	17	1 096	9	22	26	46	69	67	123
Accountants	670	4	-	6	166	-	11	10	-	19	20	30
Computer specialists	149	-	-	-	47	-	-	-	-	-	11	14
Life and physical scientists	148	-	-	-	28	-	-	-	-	-	-	-
Registered nurses, dietitians, and therapists	4 845	6	-	-	64	-	-	5	19	6	-	5
Social scientists	100	-	-	-	6	-	-	-	-	-	-	-
Writers, artists, and entertainers	835	11	-	-	244	-	-	-	-	11	-	13
Other professional, technical, and kindred workers	13 275	27	-	11	541	9	11	11	27	33	36	61
Managers and administrators, except farm	3 884	5	-	36	553	9	-	4	16	34	18	36
Salaried	3 311	-	-	24	485	5	-	4	16	34	18	36
Self-employed	573	5	-	12	68	4	-	-	-	-	-	-
Sales workers	9 441	31	6	10	301	14	5	-	-	19	6	-
Clerical and kindred workers	47 331	84	14	811	11 453	110	102	230	487	845	1 034	858
Bookkeepers	5 826	8	9	236	1 571	27	17	30	58	123	133	78
Cashiers	2 965	-	-	-	21	-	-	-	-	-	-	-
Counter clerks, except food	609	7	-	-	156	-	5	5	-	4	5	5
File clerks	1 055	-	-	-	329	-	-	10	24	30	17	20
Office machine operators	1 892	-	-	28	672	-	-	13	69	37	65	73
Bookkeeping and billing machine operators	284	-	-	-	62	-	-	5	3	11	-	-
Receptionists	1 103	6	-	10	192	5	-	4	5	21	10	24
Secretaries	10 362	25	5	280	2 545	34	21	61	145	261	311	224
Stenographers	532	-	-	14	93	-	-	15	-	13	21	-
Typists	4 428	-	-	68	1 112	-	-	21	52	45	141	123
Other clerical and kindred workers	18 559	38	-	175	4 762	44	59	71	134	311	331	311
Craftsmen and kindred workers	4 547	-	-	153	3 550	24	30	18	216	192	76	266
Foremen, n.e.c	1 483	-	-	8	1 230	12	21	11	17	57	29	62
Operatives, except transport	41 346	17	22	33	37 694	337	548	223	901	1 404	489	3 534
Assemblers	4 861	-	-	6	4 647	109	91	34	169	207	110	1 279
Checkers, examiners, and inspectors; manufacturing	3 735	-	-	-	3 735	9	224	21	136	168	83	599
Packers and wrappers, except meat and produce	3 240	9	12	-	2 818	62	93	77	65	171	24	133
Other operatives, except transport	29 510	8	10	27	26 494	157	140	91	531	858	272	1 523
Transport equipment operatives	365	4	-	5	36	-	3	-	5	6	-	5
Laborers, except farm	1 859	82	-	62	1 224	4	4	-	38	197	6	45
Farm workers	201	201	-	-	-	-	-	-	-	-	-	-
Service workers, including private household	21 443	5	-	20	227	-	6	10	4	25	31	17
Cleaning service workers	1 827	-	-	15	86	-	-	-	-	15	12	5
Personal service workers	3 174	-	-	-	10	-	6	-	-	-	-	-
Other service workers, including private household	16 442	5	-	5	131	-	-	10	4	10	19	12

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More

	Manufacturing—Continued												
	Durable goods—Continued					Nondurable goods							
	Motor vehicles and motor vehicle equipment	Aircraft and parts	Other transportation equipment	Ordnance	Other durable goods	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing, and allied industries	Chemicals and allied products	Rubber and miscellaneous plastic products	Other nondurable goods, incl. not specified manufacturing
PROVIDENCE–PAWTUCKET–WARWICK, R.I.–MASS., SMSA													
Total employed	1 418	549	1 909	84	39 847	3 551	17 240	3 812	3 617	5 006	3 742	7 193	5 710
Professional, technical, and kindred workers	118	71	233	9	1 638	74	406	31	108	521	623	373	166
Accountants	24	19	11	4	225	22	48	-	18	31	13	37	9
Architects	-	-	5	-	-	-	-	-	-	-	-	-	-
Computer specialists	7	-	-	-	72	-	21	-	-	17	6	12	4
Engineers	57	13	80	-	364	25	82	9	24	-	93	87	5
Chemical	20	-	-	-	16	-	-	-	-	-	40	9	-
Civil	5	-	5	-	-	-	5	-	-	-	-	-	-
Electrical and electronic	-	4	29	-	53	-	7	-	-	-	5	-	-
Industrial	9	-	-	-	139	21	34	-	14	-	27	67	-
Mechanical	23	-	38	-	28	-	13	-	5	-	6	-	5
Other engineers	-	9	8	-	128	4	23	9	5	-	15	11	-
Mathematical specialists	-	-	-	-	5	-	5	-	6	5	6	-	-
Life and physical scientists	-	-	14	-	27	14	33	-	8	-	229	38	-
Chemists	-	-	5	-	20	14	33	-	8	-	216	38	-
Personnel and labor relations workers	-	4	-	5	84	4	19	5	15	4	5	26	23
Social scientists	-	-	-	-	18	-	5	-	-	-	-	-	-
Engineering and science technicians	14	21	90	-	249	5	149	-	24	17	244	108	15
Draftsmen	5	10	48	-	49	-	20	-	5	9	21	17	-
Electrical and electronic engineering technicians	-	5	20	-	52	-	-	-	5	4	-	-	-
Industrial and mechanical engineering technicians	-	6	4	-	25	-	8	-	5	4	-	5	-
Technicians, except health, and engineering and science	-	-	5	-	-	-	5	-	-	-	-	2	-
Writers, artists, and entertainers	4	5	6	-	364	-	30	17	13	447	16	20	27
Other professional, technical, and kindred workers	12	9	22	-	230	4	9	-	-	-	11	43	83
Managers and administrators, except farm	41	58	42	-	1 825	271	608	108	168	348	316	239	229
Buyers, purchasing agents, and sales managers	10	6	5	-	199	84	58	-	31	52	62	47	18
Other managers and administrators	31	52	37	-	1 626	187	550	108	137	296	254	192	211
Salaried	23	52	37	-	1 409	171	516	82	132	259	251	192	206
Self-employed	8	-	-	-	217	16	34	26	5	37	3	-	5
Sales workers	11	5	9	-	443	265	119	47	79	347	323	69	159
Clerical and kindred workers	182	60	128	5	5 679	454	1 514	330	330	921	488	644	647
Bookkeepers	-	8	21	-	601	94	178	20	43	106	75	64	56
Cashiers	-	-	-	-	12	5	-	-	-	9	-	5	-
Estimators and investigators, n.e.c	-	-	5	-	31	5	5	9	12	6	-	5	-
Office machine operators	5	-	-	-	337	40	30	16	14	21	10	36	16
Shipping and receiving clerks	27	6	-	-	670	82	358	130	56	83	90	154	70
Stock clerks and storekeepers	9	18	8	-	491	28	83	24	16	21	29	49	27
Other clerical and kindred workers	141	28	94	5	3 537	200	860	131	189	675	284	331	478
Craftsmen and kindred workers	200	202	995	4	7 029	522	2 084	217	615	1 916	473	800	710
Blacksmiths, forgemen, hammermen, and boilermakers	-	-	-	-	5	-	4	-	-	4	-	-	10
Brickmasons and stonemasons	-	-	-	-	-	-	-	-	-	-	-	-	-
Carpenters	5	-	152	-	64	6	51	15	4	-	3	6	5
Cranemen, derrickmen, and hoistmen	-	5	14	-	4	-	-	-	25	-	-	-	16
Electricians	5	5	139	-	49	-	37	-	-	34	6	26	-
Excavating, grading, and road machine operators	-	-	-	-	6	-	-	-	-	-	-	-	-
Foremen, n.e.c	55	22	76	-	2 050	203	916	130	217	163	193	361	161
Mechanics and repairmen	87	56	68	-	630	120	800	25	160	83	120	206	59
Automobile, including body	68	-	-	-	-	22	-	-	4	5	-	-	5
Machinists, job setters, and toolmakers	24	64	133	4	1 278	62	101	-	67	24	45	115	54
Metal craftsmen, except mechanics and machinists	14	41	119	-	397	-	28	-	4	5	20	11	5
Painters, construction and maintenance, and plasterers and paperhangers	5	4	120	-	118	6	18	-	-	9	12	5	6
Plumbers and pipe fitters	-	-	92	-	25	-	4	-	-	-	38	14	-
Printing craftsmen	-	-	-	-	49	-	55	4	105	1 560	8	13	34
Stationary engineers and power station operators	-	-	-	-	37	9	11	-	10	16	9	-	25
Other craftsmen and kindred workers	5	5	82	-	2 317	116	59	43	23	18	19	43	335
Operatives, except transport	721	133	430	62	21 332	1 051	11 445	2 895	2 029	646	1 253	4 532	3 422
Assemblers	344	32	44	7	2 164	45	47	10	126	40	4	341	212
Checkers, examiners, and inspectors; manufacturing	32	32	64	14	1 310	55	770	88	134	57	119	461	271
Filers, polishers, sanders, and buffers	8	-	-	4	1 249	-	-	3	-	6	31	19	13
Pointers, manufactured articles	48	-	74	-	390	5	11	-	5	16	8	49	23
Precision machine operatives	17	-	29	-	301	15	45	-	23	-	22	16	8
Welders and flamecutters	117	21	179	5	120	-	20	-	8	-	18	7	15
Other specified operatives	56	14	6	16	7 091	434	10 552	2 355	514	198	354	1 280	2 221
Machine operatives, miscellaneous specified	30	11	-	6	3 629	204	-	204	669	121	314	1 549	375
Machine operatives, not specified	38	14	14	5	809	68	-	9	326	79	184	299	97
Miscellaneous operatives	11	5	20	-	2 488	90	-	142	117	108	94	208	79
Not specified operatives	20	4	-	5	1 781	135	-	84	107	21	105	303	108

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Manufacturing—Continued												
	Durable goods—Continued					Nondurable goods							
	Motor vehicles and motor vehicle equipment	Aircraft and parts	Other transportation equipment	Ordnance	Other durable goods	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing, and allied industries	Chemicals and allied products	Rubber and miscellaneous plastic products	Other nondurable goods, incl. not specified manufacturing
PROVIDENCE–PAWTUCKET–WARWICK, R.I.–MASS., SMSA—Continued													
Total employed—Continued													
Transport equipment operatives	48	–	10	–	255	627	78	33	114	115	56	72	124
Deliverymen and routemen	6	–	5	–	75	421	6	–	20	41	5	12	32
Truck drivers	11	–	5	–	67	130	38	27	44	70	42	54	35
Other transport equipment operatives	31	–	–	–	113	76	34	6	50	4	9	6	57
Laborers, except farm	38	10	42	4	1 052	180	639	97	110	64	149	379	155
Freight, stock, and material handlers	16	4	18	–	638	99	411	68	36	60	63	209	52
Other specified laborers	8	–	14	4	228	21	52	–	26	–	10	9	97
Miscellaneous laborers	5	6	–	–	48	20	48	9	8	–	–	56	–
Not specified laborers	9	–	10	–	138	40	128	20	40	4	76	105	6
Farm workers	–	–	–	–	–	–	–	–	–	–	–	–	–
Service workers, including private household	59	10	20	–	594	107	347	54	64	128	61	85	98
Cleaning service workers	52	10	20	–	322	69	252	40	46	96	41	43	15
Personal service workers	–	–	–	–	14	6	22	–	–	5	–	4	5
Guards and watchmen	7	–	–	–	86	–	64	5	14	21	11	13	–
Other service workers, including private household	–	–	–	–	172	32	9	9	4	6	9	25	78
Female employed	285	63	42	44	21 599	688	7 739	3 046	1 405	1 353	661	3 629	2 727
Professional, technical, and kindred workers	5	4	–	–	286	9	79	11	26	127	55	74	58
Accountants	–	–	–	–	52	–	5	–	–	5	5	9	–
Computer specialists	–	–	–	–	11	–	5	–	–	6	–	–	–
Life and physical scientists	–	–	–	–	–	–	–	–	–	–	21	7	–
Registered nurses, dietitians, and therapists	–	–	–	–	10	4	5	–	–	–	–	10	–
Social scientists	–	–	–	–	6	–	–	–	–	–	–	–	–
Writers, artists, and entertainers	–	–	–	–	88	–	–	6	13	106	–	–	7
Other professional, technical, and kindred workers	5	4	–	–	119	5	64	5	13	10	29	48	51
Managers and administrators, except farm	–	–	–	–	236	19	72	3	26	14	23	34	9
Salaried	–	–	–	–	187	19	66	3	26	5	23	34	9
Self-employed	–	–	–	–	49	–	6	–	–	9	–	–	–
Sales workers	–	–	–	–	94	27	31	24	23	36	4	5	13
Clerical and kindred workers	117	27	25	–	4 314	272	852	203	194	677	335	357	414
Bookkeepers	–	8	9	–	550	79	150	20	32	92	69	51	45
Cashiers	–	–	–	–	12	5	–	–	–	4	–	–	–
Counter clerks, except food	–	–	–	–	86	–	–	–	–	36	–	5	5
File clerks	6	–	–	–	131	4	23	–	5	50	3	6	–
Office machine operators	5	–	–	–	265	35	14	16	5	17	10	32	16
Bookkeeping and billing machine operators	–	–	–	–	33	10	–	–	–	–	–	–	–
Receptionists	–	5	–	–	61	–	17	–	9	15	–	16	–
Secretaries	48	5	10	–	690	34	207	28	43	107	126	96	94
Stenographers	–	–	–	–	12	–	7	5	–	9	11	–	–
Typists	15	9	–	–	403	17	79	22	19	88	19	44	15
Other clerical and kindred workers	43	–	6	–	2 104	98	355	112	81	259	97	107	239
Craftsmen and kindred workers	11	5	–	–	1 982	37	176	86	47	173	10	87	114
Foremen, n.e.c	11	–	–	–	626	18	118	70	38	31	6	59	44
Operatives, except transport	152	21	12	44	14 039	298	6 414	2 644	1 074	313	225	2 927	2 095
Assemblers	54	6	6	7	1 882	23	37	10	110	36	4	298	175
Checkers, examiners, and inspectors; manufacturing	13	10	–	9	1 072	12	603	88	121	36	21	391	119
Packers and wrappers, except meat and produce	4	–	6	–	1 164	177	176	62	127	79	39	330	29
Other operatives, except transport	81	5	–	28	9 921	86	5 598	2 484	716	162	161	1 908	1 772
Transport equipment operatives	–	–	–	–	4	–	5	–	–	8	–	–	–
Laborers, except farm	–	–	5	–	598	14	91	59	11	5	4	125	18
Farm workers	–	–	–	–	–	–	–	–	–	–	–	–	–
Service workers, including private household	–	6	–	–	46	12	19	16	4	–	5	20	6
Cleaning service workers	–	6	–	–	11	5	10	16	–	–	–	–	6
Personal service workers	–	–	–	–	–	–	4	–	–	–	–	–	–
Other service workers, including private household	–	–	–	–	35	7	5	–	4	–	5	20	–

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Railroads and railway express service	Trucking service and warehousing	Other transportation	Communications	Utilities and sanitary services	Wholesale trade	Retail trade: General merchandise retailing	Retail trade: Food stores	Retail trade: Automotive dealers and gasoline stations	Retail trade: Eating and drinking places	Retail trade: Other retail trade	Insurance	Finance and real estate
PROVIDENCE–PAWTUCKET–WARWICK, R.I.–MASS., SMSA													
Total employed	**814**	**4 444**	**2 845**	**4 022**	**4 931**	**16 011**	**9 769**	**9 239**	**6 216**	**9 929**	**19 024**	**6 700**	**9 122**
Professional, technical, and kindred workers	**14**	**35**	**179**	**472**	**403**	**826**	**148**	**100**	**59**	**38**	**785**	**374**	**372**
Accountants	6	30	21	18	82	120	44	49	31	-	95	120	151
Architects	-	-	-	-	-	-	-	-	-	-	-	-	5
Computer specialists	-	-	5	8	5	13	-	5	-	-	15	87	57
Engineers	-	-	34	167	172	282	10	-	12	-	38	70	21
Chemical	-	-	-	-	-	-	-	-	-	-	-	5	-
Civil	-	-	-	10	46	21	-	-	-	-	-	14	4
Electrical and electronic	-	-	-	144	85	24	-	-	-	-	-	-	6
Industrial	-	-	9	6	-	26	-	-	6	-	-	31	5
Mechanical	-	-	21	-	20	17	-	-	-	-	-	-	-
Other engineers	-	-	4	7	21	194	10	-	6	-	38	20	6
Mathematical specialists	-	-	3	-	-	-	4	-	-	-	-	-	5
Life and physical scientists	-	-	-	-	5	23	-	-	-	-	-	-	6
Chemists	-	-	-	-	5	18	-	-	-	-	-	-	6
Personnel and labor relations workers	-	5	5	42	21	48	38	26	9	5	22	47	18
Social scientists	-	-	-	6	-	38	-	-	-	4	-	10	36
Engineering and science technicians	5	-	4	64	48	128	5	-	-	-	-	-	11
Draftsmen	5	-	-	9	28	29	-	-	-	-	-	-	6
Electrical and electronic engineering technicians	-	-	4	44	6	19	-	-	-	-	-	-	-
Industrial and mechanical engineering technicians	-	-	-	-	-	5	5	-	-	-	-	-	5
Technicians, except health, and engineering and science	-	-	96	15	9	24	-	-	-	-	15	-	-
Writers, artists, and entertainers	-	-	-	132	4	71	34	11	7	23	61	25	15
Other professional, technical, and kindred workers	3	-	11	20	57	79	13	9	-	6	539	15	47
Managers and administrators, except farm	**149**	**296**	**247**	**226**	**159**	**2 101**	**1 151**	**1 134**	**1 201**	**1 050**	**2 533**	**558**	**1 711**
Buyers, purchasing agents, and sales managers	-	9	11	16	9	562	512	267	153	30	654	56	21
Other managers and administrators	149	287	236	210	150	1 539	639	867	1 048	1 020	1 879	502	1 690
Salaried	149	239	225	210	142	1 359	500	546	674	674	1 296	472	1 599
Self-employed	-	48	11	-	8	180	139	321	374	346	583	30	91
Sales workers	-	**101**	**27**	**79**	**110**	**3 248**	**4 242**	**1 587**	**1 046**	**227**	**6 811**	**2 061**	**1 141**
Clerical and kindred workers	**104**	**624**	**443**	**1 827**	**1 013**	**3 361**	**2 442**	**2 625**	**585**	**391**	**3 515**	**3 514**	**4 742**
Bookkeepers	-	87	54	76	50	691	234	103	278	114	831	267	547
Cashiers	-	7	17	4	35	31	568	2 023	24	207	501	17	80
Estimators and investigators, n.e.c	-	-	5	15	55	42	46	-	10	5	42	62	123
Office machine operators	-	13	8	34	40	143	100	21	16	-	82	179	200
Shipping and receiving clerks	6	43	-	-	6	358	195	34	5	-	116	9	-
Stock clerks and storekeepers	-	11	-	26	44	271	289	157	30	5	185	19	5
Other clerical and kindred workers	98	463	359	1 672	783	1 825	1 010	287	222	60	1 758	2 961	3 787
Craftsmen and kindred workers	**289**	**383**	**287**	**1 346**	**1 532**	**1 714**	**511**	**554**	**1 935**	**93**	**1 889**	**94**	**168**
Blacksmiths, forgemen, hammermen, and boilermakers	6	-	-	4	26	5	-	-	-	-	-	-	-
Brickmasons and stonemasons	-	-	-	-	-	6	-	-	-	-	5	-	-
Carpenters	5	5	-	-	4	24	14	9	-	4	36	5	21
Cranemen, derrickmen, and hoistmen	6	-	6	-	4	21	-	-	-	-	-	-	-
Electricians	6	-	5	-	146	24	10	4	5	-	5	-	5
Excavating, grading, and road machine operators	4	12	-	-	39	-	-	10	-	-	18	-	-
Foremen, n.e.c	20	149	61	116	312	493	184	99	69	5	180	14	42
Mechanics and repairmen	54	164	176	36	217	626	147	47	1 814	5	459	5	26
Automobile, including body	-	153	77	21	16	96	33	12	1 763	-	43	-	5
Machinists, job setters, and toolmakers	5	-	-	10	11	111	-	-	5	-	16	-	-
Metal craftsmen, except mechanics and machinists	-	5	11	-	-	18	-	-	-	-	-	-	-
Painters, construction and maintenance, and plasterers and paperhangers	6	-	14	-	-	7	10	5	8	-	20	-	40
Plumbers and pipe fitters	13	-	-	4	19	39	-	-	-	-	40	-	5
Printing craftsmen	-	-	-	-	6	64	26	-	6	-	4	37	7
Stationary engineers and power station operators	7	-	8	9	307	13	-	-	11	-	7	5	7
Other craftsmen and kindred workers	157	48	6	1 167	441	263	120	380	17	79	1 099	28	15
Operatives, except transport	**38**	**48**	**113**	**17**	**295**	**1 742**	**194**	**1 428**	**1 004**	**29**	**840**	**21**	**73**
Assemblers	-	6	-	-	-	169	5	-	5	-	54	-	-
Checkers, examiners, and inspectors; manufacturing	-	-	-	-	-	-	-	-	-	-	-	-	-
Filers, polishers, sanders, and buffers	-	-	-	-	-	29	-	-	-	-	30	-	-
Painters, manufactured articles	-	5	-	-	-	25	-	-	21	-	-	-	-
Precision machine operatives	-	-	-	-	5	22	-	4	-	5	-	-	-
Welders and flamecutters	4	-	-	-	14	79	6	6	5	-	-	-	-
Other specified operatives	12	17	89	9	223	762	157	1 332	916	10	644	13	47
Machine operatives, miscellaneous specified	6	-	-	-	10	281	15	40	5	14	33	8	-
Machine operatives, not specified	-	-	-	4	7	153	-	-	5	-	10	-	-
Miscellaneous operatives	11	14	24	4	18	163	4	36	47	-	47	-	16
Not specified operatives	5	6	-	-	18	59	7	10	-	-	22	-	10

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Railroads and railway express service	Trucking service and warehousing	Other transportation	Communications	Utilities and sanitary services	Wholesale trade	Retail trade: General merchandise retailing	Retail trade: Food stores	Retail trade: Automotive dealers and gasoline stations	Retail trade: Eating and drinking places	Retail trade: Other retail trade	Insurance	Finance and real estate
PROVIDENCE–PAWTUCKET–WARWICK, R.I.–MASS., SMSA—Continued													
Total employed—Continued													
Transport equipment operatives	127	2 465	1 311	17	643	1 850	136	269	240	129	874	7	63
Deliverymen and routemen	-	178	-	-	18	766	116	152	99	110	413	-	11
Truck drivers	17	2 243	21	17	211	947	15	97	141	15	340	-	39
Other transport equipment operatives	110	44	1 290	-	414	137	5	20	-	4	121	7	13
Laborers, except farm	42	478	135	-	645	898	389	1 273	107	13	597	6	188
Freight, stock, and material handlers	11	453	109	-	207	624	375	1 216	32	4	321	-	16
Other specified laborers	-	4	-	-	286	124	-	9	60	4	177	-	117
Miscellaneous laborers	14	-	4	-	84	77	-	10	-	-	25	-	38
Not specified laborers	17	21	22	-	68	73	14	38	15	5	74	6	17
Farm workers	-	-	-	-	-	-	-	-	-	-	-	-	-
Service workers, including private household	51	14	103	38	131	271	556	269	39	7 959	1 180	65	664
Cleaning service workers	-	14	24	6	104	130	120	48	39	205	95	57	390
Personal service workers	5	-	42	5	5	12	71	5	-	62	29	-	76
Guards and watchmen	9	-	9	-	17	26	68	6	-	5	27	5	102
Other service workers, including private household	37	-	28	27	5	103	297	210	-	7 687	1 029	3	96
Female employed	40	410	532	1 875	724	3 773	6 478	2 991	587	4 823	8 735	3 395	4 841
Professional, technical, and kindred workers	3	9	6	70	45	82	99	18	5	14	200	63	98
Accountants	-	9	-	4	10	20	39	18	5	-	64	29	34
Computer specialists	-	-	-	8	-	5	-	-	-	-	10	9	23
Life and physical scientists	-	-	-	-	-	-	-	-	-	-	-	-	6
Registered nurses, dietitians, and therapists	3	-	-	-	14	-	7	-	-	6	-	5	4
Social scientists	-	-	-	-	-	-	-	-	-	4	-	5	9
Writers, artists, and entertainers	-	-	-	20	-	32	21	-	-	4	35	-	-
Other professional, technical, and kindred workers	-	-	6	38	21	25	32	-	-	-	91	15	22
Managers and administrators, except farm	-	11	65	34	-	164	309	76	33	133	636	136	300
Salaried	-	8	65	34	-	142	269	32	27	73	441	136	264
Self-employed	-	3	-	-	-	22	40	44	6	60	195	-	36
Sales workers	-	-	13	13	-	172	3 369	713	55	116	3 805	290	231
Clerical and kindred workers	18	349	214	1 699	599	2 319	1 970	1 566	442	346	2 816	2 874	3 948
Bookkeepers	-	78	47	62	36	616	222	103	227	100	766	237	498
Cashiers	-	-	-	4	30	31	544	1 264	15	191	459	17	76
Counter clerks, except food	-	-	-	26	-	29	55	4	-	-	21	-	11
File clerks	-	-	-	11	24	58	32	4	5	4	21	215	58
Office machine operators	-	7	4	34	26	122	85	16	11	-	76	157	149
Bookkeeping and billing machine operators	-	7	-	5	4	36	20	-	6	-	46	13	43
Receptionists	-	-	7	9	-	29	12	-	-	-	26	19	59
Secretaries	12	50	15	56	74	452	111	8	73	29	268	842	731
Stenographers	-	4	-	-	25	11	-	-	-	-	-	35	7
Typists	-	57	13	89	70	171	98	19	16	4	57	543	237
Other clerical and kindred workers	6	153	128	1 408	314	800	811	148	95	18	1 122	809	2 122
Craftsmen and kindred workers	5	6	5	28	24	110	101	40	22	13	152	9	21
Foremen, n.e.c	-	6	-	6	19	41	48	-	-	-	8	4	16
Operatives, except transport	11	-	-	9	13	786	148	401	25	10	460	15	3
Assemblers	-	-	-	-	-	122	5	-	-	-	29	-	-
Checkers, examiners, and inspectors; manufacturing	-	-	-	-	-	-	-	-	-	-	-	-	-
Packers and wrappers, except meat and produce	-	-	-	5	-	147	59	71	-	5	20	-	-
Other operatives, except transport	11	-	-	4	13	517	84	330	25	5	411	15	3
Transport equipment operatives	3	21	188	-	17	30	16	17	-	-	-	-	-
Laborers, except farm	-	9	5	-	-	64	136	59	5	5	68	-	7
Farm workers	-	-	-	-	-	-	-	-	-	-	-	-	-
Service workers, including private household	-	5	36	22	26	46	330	101	-	4 186	598	8	233
Cleaning service workers	-	5	-	-	16	4	-	-	-	26	15	5	106
Personal service workers	-	-	36	5	5	7	53	-	-	16	29	-	55
Other service workers, including private household	-	-	-	17	5	35	277	101	-	4 144	554	3	72

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Business services	Repair services	Hotels and lodging places	Other personal services, including private household	Entertainment and recreation services	Hospitals	Health services, except hospitals	Educational services, government	Educational services, private	Welfare, religious, and nonprofit membership organizations	Other professional and related services	Public administration
PROVIDENCE–PAWTUCKET–WARWICK, R.I.–MASS., SMSA												
Total employed	**4 682**	**4 709**	**1 229**	**9 372**	**2 564**	**14 599**	**7 236**	**17 427**	**9 353**	**5 229**	**8 812**	**20 375**
Professional, technical, and kindred workers	**718**	**106**	**70**	**228**	**526**	**5 757**	**2 777**	**11 044**	**4 696**	**2 134**	**4 677**	**2 750**
Accountants	55	10	27	6	10	64	5	23	22	27	710	437
Architects	-	-	-	-	-	-	-	-	10	-	135	15
Computer specialists	78	9	-	-	-	6	5	7	31	-	57	105
Engineers	51	26	-	5	6	5	11	39	33	24	418	459
Chemical	-	-	-	-	-	-	-	-	-	-	-	5
Civil	-	8	-	-	-	-	-	11	-	-	226	118
Electrical and electronic	15	-	-	-	6	-	-	17	-	-	54	86
Industrial	15	-	-	5	-	-	-	-	10	7	28	106
Mechanical	5	5	-	-	-	-	-	5	5	-	32	74
Other engineers	16	13	-	-	-	5	11	6	18	17	78	70
Mathematical specialists	-	-	-	-	-	6	5	7	-	3	13	31
Life and physical scientists	25	-	-	-	-	97	19	15	88	9	50	77
Chemists	10	-	-	-	-	29	5	-	21	4	28	40
Personnel and labor relations workers	81	4	-	-	-	39	5	7	26	24	6	318
Social scientists	36	-	-	8	-	32	20	36	11	21	12	82
Engineering and science technicians	99	11	-	6	-	45	3	25	84	18	323	354
Draftsmen	47	-	-	6	-	-	-	-	-	-	222	139
Electrical and electronic engineering technicians	9	11	-	-	-	5	-	6	-	-	5	83
Industrial and mechanical engineering technicians	-	-	-	-	-	6	-	-	-	-	-	21
Technicians, except health, and engineering and science	5	-	-	15	-	-	11	14	18	-	10	170
Writers, artists, and entertainers	205	-	10	113	380	26	4	52	122	193	242	68
Other professional, technical, and kindred workers	83	46	33	75	130	5 437	2 689	10 819	4 251	1 815	2 701	634
Managers and administrators, except farm	**466**	**264**	**142**	**602**	**286**	**311**	**197**	**807**	**514**	**391**	**176**	**1 620**
Buyers, purchasing agents, and sales managers	29	15	15	5	-	20	-	7	-	5	5	64
Other managers and administrators	437	249	127	597	286	291	197	800	514	386	171	1 556
Salaried	387	208	96	388	251	291	162	800	477	381	145	1 556
Self-employed	50	41	31	209	35	-	35	-	37	5	26	-
Sales workers	**320**	**72**	**5**	**154**	**37**	**26**	**6**	**15**	**57**	**16**	**49**	**35**
Clerical and kindred workers	**1 465**	**538**	**222**	**677**	**413**	**2 307**	**1 145**	**2 351**	**1 973**	**1 306**	**2 242**	**6 954**
Bookkeepers	138	125	34	49	57	101	103	73	54	91	181	206
Cashiers	-	7	8	37	225	62	5	60	46	-	5	49
Estimators and investigators, n.e.c	77	19	-	5	-	18	-	-	6	4	-	180
Office machine operators	183	5	-	4	-	73	13	40	66	13	75	222
Shipping and receiving clerks	-	-	11	10	4	5	4	-	18	-	-	27
Stock clerks and storekeepers	25	10	-	5	-	69	-	41	23	15	16	245
Other clerical and kindred workers	1 042	372	169	567	127	1 979	1 020	2 137	1 760	1 183	1 965	6 025
Craftsmen and kindred workers	**335**	**2 725**	**44**	**233**	**149**	**346**	**148**	**198**	**275**	**81**	**162**	**2 586**
Blacksmiths, forgemen, hammermen, and boilermakers	-	59	-	-	-	-	-	-	5	-	-	7
Brickmasons and stonemasons	-	-	-	-	-	-	-	-	-	5	-	16
Carpenters	20	12	5	6	-	40	5	18	48	23	5	65
Cranemen, derrickmen, and hoistmen	-	-	-	-	-	-	-	-	-	3	-	11
Electricians	5	6	11	-	-	55	-	20	13	-	-	194
Excavating, grading, and road machine operators	-	-	-	-	-	-	-	-	-	-	-	9
Foremen, n.e.c	54	61	6	99	17	48	11	24	43	28	9	268
Mechanics and repairmen	86	2 122	-	26	45	83	5	39	17	5	31	1 340
Automobile, including body	-	1 550	-	5	5	11	-	7	-	-	-	160
Machinists, job setters, and toolmakers	10	20	-	4	-	-	6	5	14	-	12	119
Metal craftsmen, except mechanics and machinists	5	4	-	-	-	-	-	-	-	-	18	146
Painters, construction and maintenance, and plasterers and paperhangers	13	24	13	8	5	19	-	37	46	-	-	95
Plumbers and pipe fitters	5	17	-	-	-	6	-	4	10	5	-	59
Printing craftsmen	11	-	-	-	-	-	-	5	20	-	5	9
Stationary engineers and power station operators	8	-	-	-	9	53	-	8	25	-	18	41
Other craftsmen and kindred workers	118	400	9	90	73	42	121	38	34	12	64	207
Operatives, except transport	**330**	**416**	**20**	**1 599**	**13**	**300**	**76**	**177**	**94**	**76**	**112**	**391**
Assemblers	27	5	-	13	-	3	-	-	4	-	6	4
Checkers, examiners, and inspectors; manufacturing	-	-	-	-	-	-	-	-	-	-	-	-
Filers, polishers, sanders, and buffers	10	12	-	-	-	-	-	-	-	-	-	14
Painters, manufactured articles	-	78	-	-	-	-	-	-	5	-	-	-
Precision machine operatives	5	5	-	-	-	-	-	-	-	-	6	5
Welders and flamecutters	-	102	-	-	-	-	-	-	-	-	5	35
Other specified operatives	190	143	20	1 537	8	278	70	146	43	55	70	200
Machine operatives, miscellaneous specified	27	33	-	5	5	5	-	16	10	-	11	39
Machine operatives, not specified	9	-	-	26	-	4	-	-	-	-	-	15
Miscellaneous operatives	57	33	-	10	-	5	6	15	32	15	9	60
Not specified operatives	5	5	-	8	-	5	-	-	-	6	5	19

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Business services	Repair services	Hotels and lodging places	Other personal services, including private household	Entertainment and recreation services	Hospitals	Health services, except hospitals	Educational services, government	Educational services, private	Welfare, religious, and nonprofit membership organizations	Other professional and related services	Public administration
PROVIDENCE–PAWTUCKET–WARWICK, R.I.–MASS., SMSA—Continued												
Total employed—Continued												
Transport equipment operatives	47	133	–	347	42	53	–	28	26	64	11	286
Deliverymen and routemen	5	14	–	223	–	10	–	10	–	7	–	–
Truck drivers	26	39	–	33	13	29	–	8	13	32	5	223
Other transport equipment operatives	16	80	–	91	29	14	–	10	13	25	6	63
Laborers, except farm	98	207	4	147	231	81	11	50	87	31	49	642
Freight, stock, and material handlers	36	10	–	33	3	30	–	–	5	11	4	373
Other specified laborers	14	178	4	74	162	48	5	41	63	20	36	165
Miscellaneous laborers	6	4	–	10	21	–	–	5	–	–	4	8
Not specified laborers	42	15	–	30	45	3	6	4	19	–	5	96
Farm workers	–	–	–	–	–	–	–	–	–	–	–	–
Service workers, including private household	903	248	722	5 385	867	5 418	2 876	2 757	1 631	1 130	1 334	5 111
Cleaning service workers	470	33	318	77	145	881	300	1 208	616	432	28	660
Personal service workers	17	11	85	2 998	266	145	105	323	224	369	16	73
Guards and watchmen	349	–	–	–	67	28	11	18	95	16	11	298
Other service workers, including private household	67	204	319	2 310	389	4 364	2 460	1 208	696	313	1 279	4 080
Female employed	1 875	673	663	6 004	656	11 074	4 924	11 128	4 801	2 751	4 340	4 546
Professional, technical, and kindred workers	154	4	31	57	173	4 725	1 115	6 913	2 345	814	1 338	480
Accountants	16	4	6	–	–	32	5	–	–	9	87	103
Computer specialists	20	–	–	–	–	–	–	–	6	–	4	17
Life and physical scientists	–	–	–	–	–	61	9	–	24	9	–	11
Registered nurses, dietitians, and therapists	22	–	3	14	–	3 493	782	266	82	37	11	26
Social scientists	–	–	–	5	–	14	5	16	3	6	6	21
Writers, artists, and entertainers	41	–	5	23	108	21	4	22	70	106	68	–
Other professional, technical, and kindred workers	55	–	17	15	65	1 104	310	6 609	2 160	647	1 162	302
Managers and administrators, except farm	64	4	18	93	40	150	106	269	271	102	40	236
Salaried	50	4	18	78	27	150	87	269	255	97	40	236
Self-employed	14	–	–	15	13	–	19	–	16	5	–	–
Sales workers	82	19	–	89	26	26	–	9	33	–	26	6
Clerical and kindred workers	1 255	455	116	598	160	2 075	1 103	2 211	1 540	1 204	2 019	3 073
Bookkeepers	122	97	24	49	52	88	93	73	44	76	151	141
Cashiers	–	7	8	32	69	62	–	60	26	–	5	44
Counter clerks, except food	4	–	40	235	–	11	–	–	10	–	–	–
File clerks	42	–	5	15	–	71	4	51	15	26	16	49
Office machine operators	135	5	–	4	–	66	13	35	44	13	45	145
Bookkeeping and billing machine operators	8	–	–	4	–	15	–	–	–	6	4	5
Receptionists	41	–	–	27	5	266	169	8	93	88	24	13
Secretaries	206	49	14	61	21	666	626	555	629	462	914	583
Stenographers	20	–	–	5	–	14	16	53	12	68	3	152
Typists	219	–	7	5	–	208	76	246	130	203	65	715
Other clerical and kindred workers	466	297	18	165	13	623	106	1 130	537	268	796	1 231
Craftsmen and kindred workers	14	69	11	39	–	23	21	52	26	5	9	39
Foremen, n.e.c	–	–	–	28	–	23	11	12	7	5	–	11
Operatives, except transport	192	68	5	1 067	–	146	44	41	31	36	45	24
Assemblers	27	5	–	13	–	3	–	–	–	–	–	4
Checkers, examiners, and inspectors; manufacturing	–	–	–	–	–	–	–	–	–	–	–	–
Packers and wrappers, except meat and produce	41	6	–	47	–	–	–	–	–	–	–	–
Other operatives, except transport	124	57	5	1 007	–	143	44	41	31	36	45	20
Transport equipment operatives	–	–	–	–	–	15	–	5	4	4	–	–
Laborers, except farm	13	10	4	27	15	19	–	9	–	–	–	36
Farm workers	–	–	–	–	–	–	–	–	–	–	–	–
Service workers, including private household	101	44	478	4 034	242	3 895	2 535	1 619	551	586	863	652
Cleaning service workers	28	–	278	30	11	430	172	224	152	103	11	110
Personal service workers	17	11	69	1 869	62	90	82	266	153	289	11	39
Other service workers, including private household	56	33	131	2 135	169	3 375	2 281	1 129	246	194	841	503

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Persons 16 years old and over	Agriculture, forestry, and fisheries	Mining	Construction	Manufacturing							
						Durable goods						
					Total	Furniture, lumber, and wood products	Stone, clay, and glass products	Primary ferrous industries	Primary nonferrous industries	Fabricated metal industries, including not specified metal	Machinery, except electrical	Electrical machinery, equipment, and supplies
SPRINGFIELD-CHICOPEE-HOLYOKE, MASS.-CONN., SMSA												
Total employed	**208 518**	**1 994**	**147**	**9 394**	**71 312**	**843**	**640**	**1 983**	**1 160**	**4 235**	**9 312**	**3 611**
Professional, technical, and kindred workers	**30 049**	**131**	**-**	**319**	**6 069**	**17**	**50**	**36**	**52**	**361**	**949**	**447**
Accountants	1 820	4	-	20	580	6	16	4	4	51	75	16
Architects	67	32	-	-	-	-	-	-	-	-	-	-
Computer specialists	488	-	-	11	151	-	-	-	-	5	35	4
Engineers	3 148	-	-	176	2 078	11	10	15	35	77	461	227
Chemical	235	-	-	-	213	-	-	-	-	-	-	11
Civil	310	-	-	140	13	-	-	-	-	6	-	-
Electrical and electronic	464	-	-	4	245	-	-	5	5	5	58	110
Industrial	643	-	-	-	515	-	-	-	17	33	121	67
Mechanical	552	-	-	11	438	11	-	-	8	27	163	11
Other engineers	944	-	-	21	654	-	10	10	5	6	119	28
Mathematical specialists	64	-	-	-	5	-	-	-	-	-	-	-
Life and physical scientists	347	24	-	-	198	-	-	-	-	9	9	-
Chemists	257	-	-	-	182	-	-	-	-	5	9	-
Personnel and labor relations workers	560	-	-	11	208	-	9	-	5	18	26	11
Social scientists	291	-	-	-	117	-	-	-	-	10	10	4
Engineering and science technicians	2 106	5	-	44	1 407	-	15	5	5	117	211	148
Draftsmen	767	-	-	9	503	-	10	-	-	86	104	15
Electrical and electronic engineering technicians	254	-	-	8	175	-	-	-	-	4	12	93
Industrial and mechanical engineering technicians	144	-	-	4	136	-	-	5	-	12	31	11
Technicians, except health, and engineering and science	283	-	-	-	56	-	-	-	-	3	10	-
Writers, artists, and entertainers	1 393	18	-	9	514	-	-	5	-	27	35	16
Other professional, technical, and kindred workers	19 482	48	-	48	755	-	-	7	3	44	77	21
Managers and administrators, except farm	**16 447**	**55**	**5**	**803**	**3 486**	**80**	**89**	**45**	**42**	**261**	**456**	**165**
Buyers, purchasing agents, and sales managers	2 310	4	-	53	619	11	11	6	5	14	60	46
Other managers and administrators	14 137	51	5	750	2 867	69	78	39	37	247	396	119
Salaried	12 164	39	5	540	2 727	48	73	39	37	241	382	119
Self-employed	1 973	12	-	210	140	21	5	-	-	6	14	-
Sales workers	**15 592**	**39**	**-**	**108**	**1 848**	**33**	**39**	**39**	**5**	**71**	**135**	**104**
Clerical and kindred workers	**38 988**	**63**	**16**	**547**	**9 849**	**63**	**96**	**159**	**120**	**560**	**1 244**	**359**
Bookkeepers	3 586	13	5	138	784	9	16	20	4	21	113	52
Cashiers	2 313	-	-	-	38	-	-	-	-	-	5	-
Estimators and investigators, n.e.c	589	-	-	65	137	5	-	-	-	26	24	5
Office machine operators	1 658	-	-	3	736	-	-	14	6	28	85	17
Shipping and receiving clerks	1 621	-	-	-	1 047	11	21	18	10	91	70	12
Stock clerks and storekeepers	1 525	-	-	28	664	-	-	15	5	59	159	33
Other clerical and kindred workers	27 696	50	11	313	6 443	38	59	92	95	335	788	240
Craftsmen and kindred workers	**29 289**	**65**	**36**	**5 323**	**14 743**	**215**	**83**	**618**	**262**	**1 046**	**2 686**	**583**
Blacksmiths, forgemen, hammermen, and boilermakers	309	-	-	-	257	-	-	118	-	50	47	-
Brickmasons and stonemasons	451	-	-	397	32	-	5	5	6	4	-	-
Carpenters	1 777	-	-	1 364	218	35	22	4	5	30	-	12
Cranemen, derrickmen, and hoistmen	210	-	-	54	101	5	10	5	-	39	30	-
Electricians	1 091	-	5	613	279	-	-	5	11	6	31	10
Excavating, grading, and road machine operators	461	24	8	332	15	-	-	-	-	-	-	-
Foremen, n.e.c	5 022	25	5	325	3 291	44	11	93	60	229	452	172
Mechanics and repairmen	5 888	-	10	172	2 276	4	5	52	30	65	189	118
Automobile, including body	1 979	-	5	28	77	-	-	6	-	4	6	-
Machinists, job setters, and toolmakers	3 693	-	-	16	3 521	-	4	147	28	302	1 599	160
Metal craftsmen, except mechanics and machinists	1 315	-	4	124	1 149	-	4	150	87	201	213	67
Painters, construction and maintenance, and plasterers and paperhangers	759	-	-	439	153	4	-	-	-	9	43	10
Plumbers and pipe fitters	802	-	-	501	134	-	-	-	5	12	17	-
Printing craftsmen	1 819	-	-	-	1 735	-	-	-	-	31	23	-
Stationary engineers and power station operators	418	-	-	12	151	5	-	-	-	10	4	8
Other craftsmen and kindred workers	5 274	16	4	974	1 431	118	22	39	30	58	38	26
Operatives, except transport	**36 405**	**37**	**58**	**483**	**30 373**	**350**	**180**	**806**	**611**	**1 667**	**3 426**	**1 860**
Assemblers	3 294	-	-	7	3 133	57	9	10	34	142	674	527
Checkers, examiners, and inspectors, manufacturing	3 152	-	-	-	3 152	17	9	100	39	111	402	390
Filers, polishers, sanders, and buffers	626	-	-	10	585	26	-	26	21	45	99	-
Painters, manufactured articles	240	-	-	-	182	5	-	-	-	28	18	7
Precision machine operatives	2 285	-	11	5	2 181	-	13	101	38	212	936	80
Welders and flamecutters	771	-	6	76	541	-	-	35	5	170	120	26
Other specified operatives	13 874	18	41	324	9 493	85	9	181	93	383	270	358
Machine operatives, miscellaneous specified	5 179	9	-	39	4 853	82	45	113	213	171	237	147
Machine operatives, not specified	3 738	-	-	5	3 540	41	57	82	57	232	506	141
Miscellaneous operatives	1 942	-	-	10	1 565	15	21	118	76	116	80	92
Not specified operatives	1 304	10	-	7	1 148	22	17	40	35	57	84	92

Table 180. **Occupation of Employed Persons by Industry Group and Sex: 1970**—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Persons 16 years old and over	Agriculture, forestry, and fisheries	Mining	Construction	Manufacturing							
						Durable goods						
					Total	Furniture, lumber, and wood products	Stone, clay, and glass products	Primary ferrous industries	Primary nonferrous industries	Fabricated metal industries, including not specified metal	Machinery, except electrical	Electrical machinery, equipment, and supplies
SPRINGFIELD–CHICOPEE–HOLYOKE, MASS.–CONN., SMSA—Continued												
Total employed—Continued												
Transport equipment operatives	6 597	25	32	452	1 620	21	70	75	17	76	100	14
Deliverymen and routemen	1 493	15	7	24	397	6	9	4	-	10	6	-
Truck drivers	3 300	10	25	359	675	15	49	46	12	51	47	4
Other transport equipment operatives	1 804	-	-	69	548	-	12	25	5	15	47	10
Laborers, except farm	7 257	207	-	1 256	1 869	47	24	128	39	105	111	24
Freight, stock, and material handlers	3 163	16	-	26	802	-	4	26	5	39	68	17
Other specified laborers	2 732	182	-	1 226	343	11	-	14	6	5	15	-
Miscellaneous laborers	260	5	-	-	112	-	-	26	-	15	6	-
Not specified laborers	1 102	4	-	4	612	36	20	62	28	46	22	7
Farm workers	1 367	1 367	-	-	-	-	-	-	-	-	-	-
Service workers, including private household	26 527	5	-	103	1 455	17	9	77	12	88	205	55
Cleaning service workers	5 244	-	-	74	815	6	9	63	12	69	135	35
Personal service workers	3 272	-	-	5	46	-	-	-	-	-	-	-
Guards and watchmen	1 006	-	-	6	284	5	-	10	-	14	37	15
Other service workers, including private household	17 005	5	-	18	310	6	-	4	-	5	33	5
Female employed	83 826	410	24	499	21 148	186	66	129	264	649	1 546	1 859
Professional, technical, and kindred workers	13 565	30	-	32	512	-	5	12	13	31	28	32
Accountants	569	-	-	12	123	-	-	-	-	26	10	10
Computer specialists	103	-	-	-	23	-	-	-	-	-	5	4
Life and physical scientists	24	-	-	-	-	-	-	-	-	-	-	-
Registered nurses, dietitians, and therapists	3 467	-	-	-	37	-	-	7	3	-	3	-
Social scientists	48	-	-	-	6	-	-	-	-	-	-	-
Writers, artists, and entertainers	436	5	-	-	142	-	-	5	-	-	6	-
Other professional, technical, and kindred workers	8 918	25	-	20	181	-	5	-	10	5	4	18
Managers and administrators, except farm	2 567	11	-	35	194	-	5	10	-	23	16	11
Salaried	2 255	5	-	23	189	-	5	10	-	23	16	11
Self-employed	312	6	-	12	5	-	-	-	-	-	-	-
Sales workers	6 540	-	-	5	199	-	-	-	-	4	5	4
Clerical and kindred workers	29 173	63	4	345	6 407	37	46	71	99	275	780	247
Bookkeepers	3 172	13	-	124	668	9	10	20	4	16	100	46
Cashiers	2 066	-	-	-	38	-	-	-	-	-	5	-
Counter clerks, except food	374	-	-	-	80	-	5	-	-	5	6	-
File clerks	629	-	-	-	194	-	-	-	-	5	39	9
Office machine operators	1 217	-	-	3	521	-	-	8	6	16	66	13
Bookkeeping and billing machine operators	148	-	-	-	21	-	-	-	6	-	-	-
Receptionists	646	17	-	10	99	-	-	-	-	7	6	5
Secretaries	5 985	23	-	119	1 466	11	-	14	36	101	218	80
Stenographers	240	-	-	-	86	-	-	-	-	-	17	10
Typists	2 875	-	-	28	763	8	6	12	26	28	126	11
Other clerical and kindred workers	11 969	10	4	61	2 492	9	25	17	27	97	197	73
Craftsmen and kindred workers	1 843	16	8	54	1 146	5	5	16	6	15	52	121
Foremen, n.e.c	485	-	-	-	329	-	-	5	6	10	9	31
Operatives, except transport	14 297	14	12	10	12 238	139	5	16	140	288	660	1 420
Assemblers	1 667	-	-	-	1 599	10	-	-	34	20	233	467
Checkers, examiners, and inspectors; manufacturing	1 411	-	-	-	1 411	12	5	-	12	37	49	332
Packers and wrappers, except meat and produce	993	4	-	-	768	9	-	-	-	11	11	6
Other operatives, except transport	10 226	10	12	10	8 460	108	-	16	94	220	367	615
Transport equipment operatives	250	10	-	-	18	-	-	-	-	3	-	-
Laborers, except farm	639	16	-	9	254	5	-	-	6	10	-	12
Farm workers	245	245	-	-	-	-	-	-	-	-	-	-
Service workers, including private household	14 707	5	-	9	180	-	-	4	-	-	5	12
Cleaning service workers	1 338	-	-	9	50	-	-	4	-	-	-	12
Personal service workers	2 333	-	-	-	14	-	-	-	-	-	-	-
Other service workers, including private household	11 036	5	-	-	116	-	-	-	-	-	5	-

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970 — Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More

SPRINGFIELD–CHICOPEE–HOLYOKE, MASS.–CONN., SMSA

	Manufacturing – Continued												
	Durable goods – Continued					Nondurable goods							
	Motor vehicles and motor vehicle equipment	Aircraft and parts	Other transportation equipment	Ordnance	Other durable goods	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing, and allied industries	Chemicals and allied products	Rubber and miscellaneous plastic products	Other nondurable goods, incl. not specified manufacturing
Total employed	**318**	**5 013**	**471**	**2 692**	**8 061**	**2 319**	**2 719**	**2 855**	**7 977**	**5 991**	**3 716**	**3 809**	**3 587**
Professional, technical, and kindred workers	–	**1 096**	**13**	**184**	**710**	**71**	**139**	**35**	**433**	**403**	**667**	**260**	**146**
Accountants	–	84	3	19	97	12	16	4	55	17	49	36	16
Architects	–	–	–	–	–	–	–	–	–	–	–	–	–
Computer specialists	–	20	–	6	22	–	10	4	11	9	20	–	5
Engineers	–	503	4	68	154	5	39	13	89	24	257	71	15
Chemical	–	–	–	4	–	–	9	–	19	–	165	5	–
Civil	–	–	–	–	–	–	–	–	–	–	7	–	–
Electrical and electronic	–	38	–	–	11	–	–	–	3	–	10	–	–
Industrial	–	78	4	10	47	–	5	4	38	18	23	35	15
Mechanical	–	110	–	9	30	–	20	9	5	–	19	16	–
Other engineers	–	277	–	45	66	5	5	–	24	6	33	15	–
Mathematical specialists	–	–	–	–	5	–	–	–	–	–	–	–	–
Life and physical scientists	–	10	–	7	10	13	20	–	16	6	84	14	–
Chemists	–	5	–	–	10	13	20	–	16	6	84	14	–
Personnel and labor relations workers	–	20	–	–	22	15	5	–	30	10	22	10	5
Social scientists	–	25	–	–	5	–	7	–	36	10	5	–	5
Engineering and science technicians	–	320	–	57	104	6	28	–	109	21	173	72	16
Draftsmen	–	126	–	41	42	6	9	–	22	–	20	13	9
Electrical and electronic engineering technicians	–	52	–	–	4	–	–	–	–	10	–	–	–
Industrial and mechanical engineering technicians	–	31	–	10	5	–	–	–	15	5	11	–	–
Technicians, except health, and engineering and science	–	5	–	–	11	–	–	–	5	–	–	22	–
Writers, artists, and entertainers	–	39	–	5	47	5	9	14	20	281	–	–	11
Other professional, technical, and kindred workers	–	70	6	22	233	15	5	–	62	25	57	35	73
Managers and administrators, except farm	**22**	**150**	**21**	**44**	**315**	**199**	**98**	**80**	**407**	**356**	**277**	**154**	**225**
Buyers, purchasing agents, and sales managers	12	66	–	4	63	51	17	11	99	61	39	4	39
Other managers and administrators	10	84	21	40	252	148	81	69	308	295	238	150	186
Salaried	10	84	21	40	236	127	76	63	297	278	233	146	177
Self-employed	–	–	–	–	16	21	5	6	11	17	5	4	9
Sales workers	**21**	**41**	**10**	**6**	**178**	**293**	**33**	**27**	**122**	**344**	**165**	**43**	**139**
Clerical and kindred workers	**32**	**603**	**61**	**281**	**1 063**	**301**	**375**	**304**	**1 264**	**1 436**	**608**	**460**	**460**
Bookkeepers	–	35	–	16	52	97	19	42	68	131	45	21	23
Cashiers	–	–	–	3	–	5	5	7	–	13	–	–	–
Estimators and investigators, n.e.c	–	5	–	–	8	–	–	–	40	15	5	4	–
Office machine operators	6	68	–	36	52	28	39	22	87	156	39	25	28
Shipping and receiving clerks	–	21	3	20	97	70	60	57	228	91	61	91	15
Stock clerks and storekeepers	–	99	–	29	23	10	3	21	74	24	49	43	18
Other clerical and kindred workers	26	375	58	177	831	91	249	155	767	1 006	409	276	376
Craftsmen and kindred workers	**77**	**1 322**	**69**	**612**	**1 340**	**351**	**443**	**280**	**1 244**	**1 720**	**622**	**653**	**517**
Blacksmiths, forgemen, hammermen, and boilermakers	3	15	–	–	–	–	–	–	–	15	–	–	9
Brickmasons and stonemasons	–	–	–	–	7	–	–	–	–	–	–	–	5
Carpenters	6	10	6	22	10	10	14	–	–	5	21	6	–
Cranemen, derrickmen, and hoistmen	–	–	–	–	–	–	–	–	6	–	6	–	–
Electricians	6	44	5	10	19	–	10	–	45	18	9	44	6
Excavating, grading, and road machine operators	–	–	–	–	–	–	6	–	9	–	–	–	–
Foremen, n.e.c	13	196	10	100	290	109	191	164	362	211	275	216	93
Mechanics and repairmen	4	297	8	252	207	78	143	38	343	118	135	165	25
Automobile, including body	4	5	–	–	–	37	–	–	6	5	–	–	4
Machinists, job setters, and toolmakers	36	460	13	182	186	6	41	10	126	54	38	86	43
Metal craftsmen, except mechanics and machinists	–	201	7	16	63	5	17	–	47	5	45	21	–
Painters, construction and maintenance, and plasterers and paperhangers	–	10	15	7	17	5	–	–	4	12	5	12	–
Plumbers and pipe fitters	–	13	–	4	14	–	4	–	–	–	31	34	–
Printing craftsmen	5	8	5	–	88	–	–	13	212	1 272	30	36	12
Stationary engineers and power station operators	4	31	–	5	13	–	–	–	57	–	5	9	–
Other craftsmen and kindred workers	–	37	–	14	426	138	17	55	33	10	22	24	324
Operatives, except transport	**166**	**1 645**	**217**	**1 441**	**3 957**	**485**	**1 480**	**2 006**	**3 882**	**1 471**	**1 011**	**1 948**	**1 764**
Assemblers	35	261	93	261	458	–	11	26	62	107	59	113	194
Checkers, examiners, and inspectors; manufacturing	21	332	22	243	300	39	140	98	217	87	77	302	206
Filers, polishers, sanders, and buffers	5	40	–	137	142	6	4	–	9	4	11	10	–
Pointers, manufactured articles	–	37	4	14	28	–	–	–	5	10	11	9	6
Precision machine operatives	33	385	21	271	38	–	5	–	13	12	4	14	5
Welders and flamecutters	4	60	26	15	20	5	8	–	8	4	–	30	5
Other specified operatives	11	153	13	26	1 661	181	1 312	1 659	1 192	458	176	288	984
Machine operatives, miscellaneous specified	16	60	11	133	539	133	–	60	1 304	330	322	793	144
Machine operatives, not specified	35	232	16	275	358	30	–	33	699	241	222	208	75
Miscellaneous operatives	6	25	5	27	265	50	–	95	227	135	71	86	55
Not specified operatives	–	60	6	39	148	41	–	35	146	83	58	95	90

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Manufacturing—Continued												
	Durable goods—Continued					Nondurable goods							
	Motor vehicles and motor vehicle equipment	Aircraft and parts	Other transportation equipment	Ordnance	Other durable goods	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing, and allied industries	Chemicals and allied products	Rubber and miscellaneous plastic products	Other nondurable goods, incl. not specified manufacturing
SPRINGFIELD–CHICOPEE–HOLYOKE, MASS.–CONN., SMSA—Continued													
Total employed—Continued													
Transport equipment operatives	–	36	25	14	131	380	24	11	194	91	152	96	93
Deliverymen and routemen	–	–	–	–	22	262	–	–	23	37	9	–	9
Truck drivers	–	32	–	9	25	94	14	6	84	46	66	49	26
Other transport equipment operatives	–	4	25	5	84	24	10	5	87	8	77	47	58
Laborers, except farm	–	35	50	58	256	112	59	74	274	94	103	108	168
Freight, stock, and material handlers	–	16	28	15	71	51	44	50	195	63	32	58	20
Other specified laborers	–	8	–	–	90	24	–	19	11	5	17	16	102
Miscellaneous laborers	–	–	5	11	9	8	–	–	15	–	7	–	10
Not specified laborers	–	11	17	32	86	29	15	5	53	26	47	34	36
Farm workers	–	–	–	–	–	–	–	–	–	–	–	–	–
Service workers, including private household	–	85	5	52	111	127	68	38	157	76	111	87	75
Cleaning service workers	–	37	–	35	39	41	38	38	89	46	55	56	12
Personal service workers	–	–	–	–	5	5	4	–	11	7	–	10	4
Guards and watchmen	–	39	5	14	27	–	21	–	21	18	40	10	8
Other service workers, including private household	–	9	–	3	40	81	5	–	36	5	16	11	51
Female employed	71	476	97	445	3 331	488	1 175	2 237	2 465	2 525	736	867	1 536
Professional, technical, and kindred workers	–	19	3	8	86	–	25	10	61	124	41	4	10
Accountants	–	4	3	–	27	–	11	–	15	5	12	–	–
Computer specialists	–	–	–	–	–	–	5	–	–	9	–	–	–
Life and physical scientists	–	–	–	–	–	–	–	–	–	–	–	–	–
Registered nurses, dietitians, and therapists	–	10	–	–	5	–	–	–	5	–	–	4	–
Social scientists	–	–	–	–	–	–	–	–	–	6	–	–	–
Writers, artists, and entertainers	–	–	–	–	6	–	5	10	5	100	–	–	5
Other professional, technical, and kindred workers	–	5	–	8	48	–	4	–	36	4	29	–	5
Managers and administrators, except farm	–	5	–	–	19	9	8	17	12	30	10	10	9
Salaried	–	5	–	–	14	9	8	17	12	30	10	10	9
Self-employed	–	–	–	–	5	–	–	–	–	–	–	–	–
Sales workers	4	–	–	6	17	40	4	5	–	70	14	5	21
Clerical and kindred workers	26	257	45	166	803	211	291	223	821	1 073	341	250	345
Bookkeepers	–	11	–	14	47	87	19	42	52	125	25	21	20
Cashiers	–	–	–	3	–	5	5	7	–	13	–	–	–
Counter clerks, except food	–	–	–	–	–	5	5	–	15	28	6	–	5
File clerks	–	11	–	–	30	–	9	5	29	42	10	–	5
Office machine operators	6	34	–	31	38	23	29	16	60	116	15	21	23
Bookkeeping and billing machine operators	–	–	–	–	–	–	–	–	5	5	–	–	5
Receptionists	–	5	–	–	6	–	16	5	28	15	–	6	–
Secretaries	9	72	30	46	183	29	84	29	186	85	116	91	46
Stenographers	–	20	–	–	–	–	4	–	16	16	3	–	–
Typists	5	46	5	18	107	–	14	22	89	133	43	40	24
Other clerical and kindred workers	6	58	10	54	392	62	106	97	346	500	123	71	222
Craftsmen and kindred workers	9	44	5	20	73	9	46	139	105	327	48	32	69
Foremen, n.e.c.	–	–	–	5	33	5	42	102	25	27	12	6	11
Operatives, except transport	32	146	28	235	2 266	152	770	1 807	1 406	881	268	545	1 034
Assemblers	14	41	5	24	327	–	11	26	44	95	21	48	179
Checkers, examiners, and inspectors; manufacturing	–	10	12	84	231	9	87	80	159	82	51	81	78
Packers and wrappers, except meat and produce	–	–	–	–	177	64	22	23	187	140	49	52	17
Other operatives, except transport	18	95	11	127	1 531	79	650	1 678	1 016	564	147	364	760
Transport equipment operatives	–	–	5	–	–	–	–	–	–	–	–	5	5
Laborers, except farm	–	–	11	5	57	17	6	36	30	15	4	5	35
Farm workers	–	–	–	–	–	–	–	–	–	–	–	–	–
Service workers, including private household	–	5	–	5	10	50	25	–	30	5	10	11	8
Cleaning service workers	–	–	–	–	–	–	16	–	5	–	10	–	3
Personal service workers	–	–	–	–	5	–	4	–	5	–	–	–	–
Other service workers, including private household	–	5	–	5	5	50	5	–	20	5	–	11	5

of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

istical Areas	Railroads and railway express service	Trucking service and warehousing	Other transportation	Communications	Utilities and sanitary services	Wholesale trade	Retail trade: General merchandise retailing	Retail trade: Food stores	Retail trade: Automotive dealers and gasoline stations	Retail trade: Eating and drinking places	Retail trade: Other retail trade	Insurance	Finance and real estate
ONN., SMSA													
	653	2 536	1 425	2 758	2 888	8 170	6 668	6 101	3 523	6 034	11 558	5 861	5 523
ers	10	19	71	270	310	362	103	25	37	30	503	528	288
	-	5	7	10	35	74	25	10	31	14	38	151	106
	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	6	10	25	5	-	-	-	-	142	54
	-	-	10	108	112	116	-	5	6	-	12	24	12
	-	-	-	-	-	17	-	-	-	-	-	-	-
	-	-	-	5	19	5	-	-	-	-	-	10	-
	-	-	-	84	53	5	-	-	-	-	-	-	7
	-	-	-	4	-	30	-	-	6	-	-	14	-
	-	-	5	-	16	15	-	5	-	-	-	-	-
	-	-	5	15	24	44	-	-	-	-	12	-	5
	-	-	-	-	6	-	-	-	-	-	-	39	5
	-	-	-	-	7	23	5	-	-	-	-	5	5
	-	-	-	-	7	23	5	-	-	-	-	-	5
	5	-	5	25	10	5	14	-	-	-	11	27	16
	-	3	-	4	-	16	-	5	-	-	5	20	16
	-	-	-	19	72	38	-	-	-	-	10	6	15
	-	-	-	-	20	5	-	-	-	-	4	-	15
s	-	-	-	19	17	-	-	-	-	-	-	-	-
ons	-	-	-	-	-	-	-	-	-	-	-	-	-
science	-	-	49	5	21	20	-	-	-	-	-	24	6
	-	6	-	93	15	19	40	-	-	16	21	16	4
rs	5	5	-	-	22	26	14	5	-	-	406	74	49
	124	230	112	243	194	1 202	966	870	574	784	1 697	593	956
	-	10	6	5	17	290	542	147	51	20	365	63	21
	124	220	106	238	177	912	424	723	523	764	1 332	530	935
	124	185	90	238	147	791	366	517	348	524	970	492	878
	-	35	16	-	30	121	58	206	175	240	362	38	57
	7	45	15	54	64	1 746	2 911	902	615	110	4 385	1 279	863
	128	451	283	1 398	732	1 734	1 548	1 731	416	254	1 946	3 189	2 781
	-	75	9	65	39	355	152	99	190	62	499	188	392
	-	11	53	9	19	12	435	1 117	28	121	242	21	14
	6	16	-	43	12	5	42	4	4	-	27	50	63
	9	20	-	44	32	74	39	70	5	-	35	167	188
	4	30	-	-	-	249	125	44	9	6	42	-	6
	11	20	11	13	34	74	142	155	13	17	105	12	10
	98	279	210	1 224	596	965	613	242	167	48	996	2 751	2 108
	201	235	130	719	855	945	330	272	906	53	1 073	95	105
okers	-	-	-	-	-	5	-	-	6	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	21	-	-	4	4	32	-	20
	-	6	-	-	10	14	-	-	-	-	-	-	-
	7	-	10	-	46	9	-	-	-	6	-	-	13
	-	22	-	-	41	-	-	-	-	-	4	-	-
	14	93	20	89	217	261	132	104	48	-	75	25	31
	45	55	81	4	182	324	73	16	825	4	319	21	6
	6	43	61	-	25	77	35	-	795	-	33	4	-
	5	-	-	-	-	53	10	-	-	6	6	-	-
ts	-	-	-	-	-	16	-	-	-	-	6	-	-
ferers and paperhangers	-	-	-	-	-	5	-	-	-	8	28	10	17
	-	4	-	-	37	22	-	-	4	-	27	-	5
	-	7	-	-	-	-	-	-	-	-	4	26	-
	-	-	-	-	122	5	5	-	-	-	-	4	-
	130	48	19	626	200	210	110	152	19	25	572	9	13
	10	60	25	13	181	636	130	905	809	-	543	10	42
	-	-	-	-	-	48	-	-	3	-	12	-	19
ing	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	10	-	-	5	-	11	-	-
	-	-	-	-	-	-	-	-	11	-	-	-	-
	-	-	5	-	-	36	6	-	-	-	-	-	-
	5	10	5	-	11	19	-	-	3	-	5	-	-
	-	32	-	-	101	220	94	844	755	-	398	6	12
	-	-	-	-	15	108	6	11	9	-	40	4	-
	-	-	-	-	9	80	12	9	6	-	21	-	11
	5	18	15	13	45	75	12	8	17	-	33	-	-
	-	-	-	-	-	40	-	33	-	-	23	-	-

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Railroads and railway express service	Trucking service and warehousing	Other transportation	Communications	Utilities and sanitary services	Wholesale trade	Retail trade: General merchandise retailing	Retail trade: Food stores	Retail trade: Automotive dealers and gasoline stations	Retail trade: Eating and drinking places	Retail trade: Other retail trade	Insurance	Finance and real estate
SPRINGFIELD–CHICOPEE–HOLYOKE, MASS.–CONN., SMSA—Continued													
Total employed—Continued													
Transport equipment operatives	125	1 305	671	5	177	951	93	137	54	32	417	-	10
Deliverymen and routemen	-	112	4	-	6	336	93	122	33	18	213	-	-
Truck drivers	31	1 157	6	-	84	541	-	6	17	10	155	-	5
Other transport equipment operatives	94	36	661	5	87	74	-	9	4	4	49	-	5
Laborers, except farm	39	182	26	9	273	452	126	1 020	68	32	320	5	116
Freight, stock, and material handlers	6	140	11	-	81	289	116	967	-	5	131	-	10
Other specified laborers	4	22	-	-	80	42	-	31	64	11	121	5	72
Miscellaneous laborers	18	-	3	-	30	29	4	-	-	-	26	-	19
Not specified laborers	11	20	12	9	82	92	6	22	4	16	42	-	15
Farm workers	-	-	-	-	-	-	-	-	-	-	-	-	-
Service workers, including private household	9	9	92	47	102	142	461	239	44	4 739	674	162	362
Cleaning service workers	4	5	14	29	79	100	88	58	32	126	61	102	258
Personal service workers	-	-	34	9	-	8	87	10	4	68	10	5	39
Guards and watchmen	-	-	4	9	5	5	28	-	-	-	-	11	20
Other service workers, including private household	5	4	40	-	18	29	258	171	8	4 545	603	44	45
Female employed	15	320	289	1 521	524	1 827	4 599	2 520	412	3 402	5 295	3 175	2 970
Professional, technical, and kindred workers	-	-	-	56	16	39	67	4	16	10	81	187	86
Accountants	-	-	-	10	-	24	10	4	16	5	16	92	36
Computer specialists	-	-	-	6	-	-	-	-	-	-	-	32	13
Life and physical scientists	-	-	-	-	-	-	-	-	-	-	-	-	-
Registered nurses, dietitians, and therapists	-	-	-	-	-	-	9	-	-	-	4	4	-
Social scientists	-	-	-	4	-	-	-	-	-	-	-	10	7
Writers, artists, and entertainers	-	-	-	-	5	10	29	-	-	5	5	4	4
Other professional, technical, and kindred workers	-	-	-	36	11	5	19	-	-	-	56	45	26
Managers and administrators, except farm	-	16	17	53	-	60	343	95	32	151	293	83	148
Salaried	-	16	17	53	-	56	327	42	22	88	214	71	138
Self-employed	-	-	-	-	-	4	16	53	10	63	79	12	10
Sales workers	-	-	-	5	-	113	2 339	544	5	54	2 490	182	310
Clerical and kindred workers	11	280	101	1 321	477	1 218	1 263	1 342	311	203	1 554	2 661	2 300
Bookkeepers	-	66	9	55	29	322	131	94	148	62	436	183	356
Cashiers	-	6	6	9	19	12	424	999	24	97	232	16	14
Counter clerks, except food	-	-	-	17	-	46	19	-	-	5	5	-	-
File clerks	-	-	-	16	9	12	28	-	14	-	15	206	37
Office machine operators	-	16	-	44	22	63	26	70	5	-	35	87	132
Bookkeeping and billing machine operators	-	16	-	5	11	16	9	6	-	-	10	-	35
Receptionists	-	-	-	18	5	21	-	5	5	-	7	21	23
Secretaries	6	30	11	45	86	226	71	23	13	10	134	550	285
Stenographers	-	-	5	5	6	-	-	-	-	-	11	5	19
Typists	-	37	6	69	57	97	48	-	21	5	65	463	131
Other clerical and kindred workers	5	125	64	1 043	244	419	516	151	81	24	614	1 130	1 303
Craftsmen and kindred workers	4	-	11	39	5	55	109	49	4	10	133	19	1
Foremen, n.e.c	-	-	-	29	-	14	53	5	-	-	7	9	-
Operatives, except transport	-	10	-	-	16	231	100	243	29	-	288	4	21
Assemblers	-	-	-	-	-	20	-	-	-	-	7	-	14
Checkers, examiners, and inspectors; manufacturing	-	-	-	-	-	-	-	-	-	-	-	-	-
Packers and wrappers, except meat and produce	-	5	-	-	-	60	49	40	-	-	7	-	-
Other operatives, except transport	-	5	-	-	16	151	51	203	29	-	274	4	7
Transport equipment operatives	-	14	130	-	5	19	8	7	-	-	5	-	-
Laborers, except farm	-	-	-	9	-	63	21	111	3	4	37	-	6
Farm workers	-	-	-	-	-	-	-	-	-	-	-	-	-
Service workers, including private household	-	-	30	38	5	29	349	125	12	2 970	414	39	98
Cleaning service workers	-	-	-	25	-	17	27	5	5	14	26	7	63
Personal service workers	-	-	13	9	-	8	87	10	4	36	10	5	24
Other service workers, including private household	-	-	17	4	5	4	235	110	3	2 920	378	27	11

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970 — Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Business services	Repair services	Hotels and lodging places	Other personal services, including private household	Entertainment and recreation services	Hospitals	Health services, except hospitals	Educational services, government	Educational services, private	Welfare, religious, and nonprofit membership organizations	Other professional and related services	Public administration
SPRINGFIELD–CHICOPEE–HOLYOKE, MASS.–CONN., SMSA												
Total employed	**2 589**	**2 633**	**1 100**	**5 311**	**1 303**	**8 744**	**4 269**	**12 391**	**6 472**	**2 775**	**4 863**	**9 523**
Professional, technical, and kindred workers	**346**	**128**	**25**	**197**	**238**	**3 347**	**1 839**	**7 861**	**2 764**	**1 007**	**2 421**	**801**
Accountants	42	14	9	9	4	36	5	16	21	34	373	147
Architects	–	–	–	–	–	–	–	6	–	–	29	–
Computer specialists	14	14	–	–	–	14	–	15	4	–	15	8
Engineers	51	5	–	–	5	3	18	26	13	8	229	131
Chemical	5	–	–	–	–	–	–	–	–	–	–	–
Civil	5	–	–	–	–	–	9	–	8	–	53	43
Electrical and electronic	4	–	–	–	5	–	–	10	5	4	18	20
Industrial	13	5	–	–	–	–	–	–	–	4	15	37
Mechanical	5	–	–	–	–	–	–	–	–	–	54	3
Other engineers	19	–	–	–	–	3	9	16	–	–	89	28
Mathematical specialists	–	–	–	–	–	–	–	–	–	9	–	–
Life and physical scientists	6	–	–	–	4	15	14	20	12	–	–	9
Chemists	6	–	–	–	4	11	–	5	–	–	–	9
Personnel and labor relations workers	44	–	–	–	–	11	–	6	5	5	6	146
Social scientists	10	–	–	–	–	19	10	17	11	5	–	33
Engineering and science technicians	68	4	–	–	–	5	5	8	76	–	274	50
Draftsmen	33	–	–	–	–	–	–	4	–	–	164	10
Electrical and electronic engineering technicians	–	–	–	–	–	–	–	–	25	–	–	10
Industrial and mechanical engineering technicians	–	–	–	–	–	–	–	–	–	–	4	–
Technicians, except health, and engineering and science	5	4	–	28	–	4	–	12	–	–	–	49
Writers, artists, and entertainers	89	5	–	97	132	–	–	17	72	88	102	20
Other professional, technical, and kindred workers	17	82	16	63	93	3 240	1 787	7 718	2 550	858	1 393	208
Managers and administrators, except farm	**242**	**218**	**119**	**313**	**120**	**243**	**115**	**484**	**436**	**267**	**164**	**832**
Buyers, purchasing agents, and sales managers	10	–	–	12	–	14	7	–	12	–	11	31
Other managers and administrators	232	218	119	301	120	229	108	484	424	267	153	801
Salaried	179	152	86	212	105	229	95	484	420	267	153	801
Self-employed	53	66	33	89	15	–	13	–	4	–	–	–
Sales workers	**162**	**48**	**35**	**97**	**51**	**15**	**–**	**25**	**40**	**56**	**62**	**10**
Clerical and kindred workers	**645**	**221**	**147**	**512**	**139**	**1 125**	**527**	**1 700**	**1 456**	**621**	**1 298**	**3 531**
Bookkeepers	44	50	24	47	39	13	41	20	39	59	80	65
Cashiers	–	37	9	36	31	–	–	28	10	16	–	26
Estimators and investigators, n.e.c	52	9	–	–	–	–	–	–	–	8	–	46
Office machine operators	60	5	–	14	–	31	–	40	26	–	35	25
Shipping and receiving clerks	5	7	–	31	–	–	–	–	11	–	5	–
Stock clerks and storekeepers	–	–	–	11	5	77	–	25	14	–	6	78
Other clerical and kindred workers	484	113	114	373	64	1 004	486	1 587	1 356	538	1 172	3 291
Craftsmen and kindred workers	**238**	**1 392**	**47**	**139**	**91**	**247**	**104**	**166**	**98**	**71**	**61**	**549**
Blacksmiths, forgemen, hammermen, and boilermakers	–	32	–	–	–	4	–	5	–	–	–	–
Brickmasons and stonemasons	–	–	–	6	–	6	–	–	–	–	–	10
Carpenters	–	–	11	–	–	16	–	25	26	6	4	26
Cranemen, derrickmen, and hoistmen	11	–	–	–	–	–	–	–	5	–	–	9
Electricians	4	–	–	5	5	49	–	6	10	–	–	24
Excavating, grading, and road machine operators	–	4	–	–	–	6	–	–	–	–	–	5
Foremen, n.e.c	48	29	11	31	–	11	13	8	10	6	11	89
Mechanics and repairmen	75	1 078	4	7	20	35	8	21	5	5	11	206
Automobile, including body	–	735	–	–	–	–	–	5	–	–	–	50
Machinists, job setters, and toolmakers	5	11	–	5	–	16	–	13	–	5	4	17
Metal craftsmen, except mechanics and machinists	–	–	–	–	–	11	–	–	–	–	–	5
Painters, construction and maintenance, and plasterers and paperhangers	–	5	–	10	9	14	–	18	10	–	–	33
Plumbers and pipe fitters	–	–	5	–	–	21	–	11	6	–	–	25
Printing craftsmen	28	–	–	–	–	4	–	–	–	5	–	10
Stationary engineers and power station operators	–	6	5	4	–	17	–	31	–	6	5	45
Other craftsmen and kindred workers	67	227	11	71	57	37	83	28	26	38	26	45
Operatives, except transport	**231**	**284**	**41**	**775**	**28**	**272**	**43**	**30**	**61**	**148**	**112**	**65**
Assemblers	5	22	–	5	–	–	19	–	–	11	10	–
Checkers, examiners, and inspectors; manufacturing	–	–	–	–	–	–	–	–	–	–	–	–
Filers, polishers, sanders, and buffers	–	–	–	–	–	–	–	–	–	–	5	–
Painters, manufactured articles	8	39	–	–	–	–	–	–	–	–	–	–
Precision machine operatives	–	26	–	–	–	–	–	6	5	–	4	–
Welders and flamecutters	5	85	–	–	–	–	–	–	–	–	–	–
Other specified operatives	130	83	41	713	23	260	19	24	42	77	73	51
Machine operatives, miscellaneous specified	31	17	–	18	–	6	–	–	–	–	13	–
Machine operatives, not specified	20	–	–	6	–	–	–	–	–	5	–	14
Miscellaneous operatives	22	6	–	20	–	6	5	–	9	55	3	–
Not specified operatives	10	6	–	13	5	–	–	–	5	–	4	–

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Business services	Repair services	Hotels and lodging places	Other personal services, including private household	Entertainment and recreation services	Hospitals	Health services, except hospitals	Educational services, government	Educational services, private	Welfare, religious, and nonprofit membership organizations	Other professional and related services	Public administration
SPRINGFIELD–CHICOPEE–HOLYOKE, MASS.–CONN., SMSA—Continued												
Total employed—Continued												
Transport equipment operatives	46	97	–	97	–	23	5	29	24	21	15	134
Deliverymen and routemen	30	5	–	60	–	–	–	14	–	–	–	4
Truck drivers	16	42	–	9	–	14	5	4	15	10	11	93
Other transport equipment operatives	–	50	–	28	–	9	–	11	9	11	4	37
Laborers, except farm	67	114	5	92	83	89	11	51	63	52	33	597
Freight, stock, and material handlers	22	5	–	28	5	25	–	25	–	25	6	422
Other specified laborers	13	98	5	37	74	37	4	23	63	12	18	145
Miscellaneous laborers	–	5	–	–	–	–	–	–	–	5	–	4
Not specified laborers	32	6	–	27	4	27	7	3	–	10	9	26
Farm workers	–	–	–	–	–	–	–	–	–	–	–	–
Service workers, including private household	612	131	681	3 089	553	3 383	1 625	2 045	1 530	532	697	3 004
Cleaning service workers	320	22	258	53	93	509	202	765	555	249	40	333
Personal service workers	6	16	81	1 723	167	97	50	414	212	96	19	66
Guards and watchmen	258	9	11	–	8	41	4	17	46	14	5	221
Other service workers, including private household	28	84	331	1 313	285	2 736	1 369	849	717	173	633	2 384
Female employed	1 009	298	592	3 768	485	6 864	3 129	8 015	4 398	1 499	2 689	2 130
Professional, technical, and kindred workers	107	24	10	102	83	2 946	963	4 977	1 772	429	809	207
Accountants	37	5	–	4	–	19	5	16	16	5	67	47
Computer specialists	–	9	–	–	–	5	–	5	4	–	6	–
Life and physical scientists	–	–	–	–	–	9	10	5	–	–	–	–
Registered nurses, dietitians, and therapists	4	–	5	57	–	2 382	725	116	47	39	23	15
Social scientists	–	–	–	–	–	10	6	–	–	5	–	–
Writers, artists, and entertainers	17	–	–	35	34	–	–	–	48	63	30	–
Other professional, technical, and kindred workers	49	10	5	6	49	521	217	4 835	1 657	317	683	145
Managers and administrators, except farm	26	15	24	106	29	138	65	147	241	83	54	108
Salaried	26	15	20	81	29	138	56	147	237	83	54	108
Self-employed	–	–	4	25	–	–	9	–	4	–	–	–
Sales workers	69	12	12	43	36	10	–	20	12	35	35	10
Clerical and kindred workers	587	166	108	492	118	1 015	527	1 610	1 342	603	1 222	1 522
Bookkeepers	44	45	19	47	33	9	41	20	33	59	65	61
Cashiers	–	27	5	31	31	–	–	28	10	16	–	22
Counter clerks, except food	23	6	18	137	18	–	–	–	–	–	–	–
File clerks	15	–	–	12	–	3	–	12	47	–	–	9
Office machine operators	60	–	–	14	–	26	–	29	20	–	31	13
Bookkeeping and billing machine operators	5	–	–	9	–	5	–	–	–	–	–	–
Receptionists	19	–	4	71	5	79	90	13	96	13	9	16
Secretaries	98	38	23	15	5	403	316	478	476	242	495	298
Stenographers	4	–	–	–	–	11	–	16	–	13	17	42
Typists	104	–	4	–	–	134	31	218	118	89	102	285
Other clerical and kindred workers	220	50	35	165	26	350	49	796	542	171	503	776
Craftsmen and kindred workers	36	31	–	11	–	20	36	22	6	18	–	–
Foremen, n.e.c	13	–	–	11	–	6	5	4	–	–	–	–
Operatives, except transport	118	32	41	524	5	129	24	4	38	112	40	14
Assemblers	5	11	–	5	–	–	–	–	–	6	–	–
Checkers, examiners, and inspectors; manufacturing	–	–	–	–	–	–	–	–	–	–	–	–
Packers and wrappers, except meat and produce	34	–	–	12	–	–	–	4	5	5	–	–
Other operatives, except transport	79	21	41	507	5	129	24	–	33	101	40	14
Transport equipment operatives	13	7	–	–	–	–	–	–	5	5	–	4
Laborers, except farm	6	–	–	27	9	34	4	–	5	10	11	–
Farm workers	–	–	–	–	–	–	–	–	–	–	–	–
Service workers, including private household	47	11	397	2 463	205	2 572	1 510	1 235	977	204	518	265
Cleaning service workers	27	5	190	33	19	305	137	62	210	48	28	26
Personal service workers	6	–	59	1 159	41	70	38	395	197	85	19	44
Other service workers, including private household	14	6	148	1 271	145	2 197	1 335	778	570	71	471	195

Table 180. **Occupation of Employed Persons by Industry Group and Sex: 1970**—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Persons 16 years old and over	Agriculture, forestry, and fisheries	Mining	Construction	Manufacturing							
						Durable goods						
					Total	Furniture, lumber, and wood products	Stone, clay, and glass products	Primary ferrous industries	Primary nonferrous industries	Fabricated metal industries, including not specified metal	Machinery, except electrical	Electrical machinery, equipment, and supplies
WORCESTER SMSA												
Total employed	**139 667**	**1 355**	**133**	**6 666**	**45 755**	**997**	**4 866**	**3 985**	**1 304**	**5 107**	**8 400**	**2 451**
Professional, technical, and kindred workers	**22 126**	**80**	**10**	**339**	**4 482**	**42**	**526**	**347**	**119**	**482**	**1 184**	**577**
Accountants	1 126	–	–	27	358	11	59	34	16	46	93	–
Architects	30	4	–	–	5	–	–	–	–	–	5	–
Computer specialists	385	–	–	–	145	–	8	11	–	18	61	7
Engineers	2 506	6	10	234	1 634	10	248	114	24	191	428	351
Chemical	63	–	–	–	54	–	14	–	5	6	–	–
Civil	370	–	–	202	4	–	–	–	–	4	–	–
Electrical and electronic	527	–	–	5	347	5	5	–	5	–	49	271
Industrial	496	–	10	–	444	–	103	43	14	47	83	37
Mechanical	415	–	–	19	327	5	29	6	–	60	162	19
Other engineers	635	6	–	8	458	–	97	65	–	74	134	24
Mathematical specialists	61	–	–	–	4	–	–	–	–	–	–	–
Life and physical scientists	289	–	–	–	160	–	16	33	22	35	–	–
Chemists	175	–	–	–	149	–	16	33	22	35	–	–
Personnel and labor relations workers	441	–	–	–	126	7	9	34	–	–	31	16
Social scientists	170	–	–	–	41	–	8	5	4	–	10	9
Engineering and science technicians	1 594	–	–	37	1 155	9	88	64	47	157	435	152
Draftsmen	705	–	–	30	569	9	25	35	17	132	258	48
Electrical and electronic engineering technicians	264	–	–	–	205	–	5	–	10	–	93	80
Industrial and mechanical engineering technicians	59	–	–	–	43	–	7	5	–	–	31	–
Technicians, except health, and engineering and science	121	–	–	–	26	–	9	–	–	–	11	2
Writers, artists, and entertainers	1 039	–	–	19	379	5	37	11	–	–	59	13
Other professional, technical, and kindred workers	14 364	70	–	22	449	–	44	41	6	35	51	27
Managers and administrators, except farm	**10 927**	**39**	–	**565**	**2 497**	**63**	**251**	**89**	**51**	**372**	**425**	**160**
Buyers, purchasing agents, and sales managers	1 350	–	–	–	424	9	39	25	4	70	87	13
Other managers and administrators	9 577	39	–	565	2 073	54	212	64	47	302	338	147
Salaried	8 046	33	–	401	1 956	44	205	64	47	298	315	147
Self-employed	1 531	6	–	164	117	10	7	–	–	4	23	–
Sales workers	**9 450**	**11**	**6**	**33**	**963**	**37**	**45**	**41**	**25**	**54**	**131**	**15**
Clerical and kindred workers	**26 077**	**78**	–	**449**	**6 403**	**102**	**918**	**544**	**116**	**776**	**1 262**	**263**
Bookkeepers	2 932	35	–	159	689	17	66	42	20	120	90	8
Cashiers	1 535	–	–	–	21	–	–	5	–	–	7	–
Estimators and investigators, n.e.c	511	–	–	46	91	9	17	4	–	14	20	–
Office machine operators	898	–	–	–	300	4	35	23	4	46	92	6
Shipping and receiving clerks	1 350	–	–	6	888	10	77	91	15	125	119	28
Stock clerks and storekeepers	1 017	–	–	27	402	10	41	27	4	55	132	35
Other clerical and kindred workers	17 834	43	–	211	4 012	52	682	352	73	416	802	186
Craftsmen and kindred workers	**19 455**	**72**	**35**	**3 848**	**9 291**	**135**	**777**	**1 117**	**327**	**1 116**	**2 205**	**283**
Blacksmiths, forgemen, hammermen, and boilermakers	184	–	–	–	163	5	6	89	27	32	4	–
Brickmasons and stonemasons	305	–	–	279	15	–	15	–	–	–	–	–
Carpenters	1 161	10	–	920	90	7	17	–	4	16	14	10
Cranemen, derrickmen, and hoistmen	167	–	5	35	84	–	10	40	10	–	24	–
Electricians	660	–	–	354	194	–	48	21	5	22	54	6
Excavating, grading, and road machine operators	396	4	15	274	51	–	–	29	10	8	–	–
Foremen, n.e.c	3 361	20	–	203	2 339	35	258	208	83	277	489	115
Mechanics and repairmen	3 724	8	10	169	1 160	5	133	102	28	72	198	36
Automobile, including body	1 445	8	–	11	107	–	16	3	–	12	5	4
Machinists, job setters, and toolmakers	2 511	–	–	16	2 428	14	149	224	105	488	1 109	64
Metal craftsmen, except mechanics and machinists	945	–	–	120	790	7	27	278	39	107	200	26
Painters, construction and maintenance, and plasterers and paperhangers	611	–	5	394	83	5	10	11	–	5	22	15
Plumbers and pipe fitters	571	–	–	417	83	–	4	54	6	4	10	–
Printing craftsmen	813	–	–	–	734	–	19	–	–	9	6	–
Stationary engineers and power station operators	262	–	–	–	89	–	18	18	5	12	21	–
Other craftsmen and kindred workers	3 784	30	–	667	988	57	63	43	5	64	54	11
Operatives, except transport	**22 336**	**39**	**27**	**229**	**18 846**	**524**	**1 878**	**1 395**	**578**	**1 964**	**2 819**	**1 076**
Assemblers	2 015	13	–	–	1 939	173	65	18	15	223	543	345
Checkers, examiners, and inspectors; manufacturing	1 964	–	–	–	1 964	11	195	212	58	142	317	238
Filers, polishers, sanders, and buffers	299	–	–	–	268	–	132	4	8	48	37	4
Painters, manufactured articles	100	–	–	–	82	–	8	4	–	9	35	–
Precision machine operatives	1 524	–	–	17	1 457	–	92	69	55	311	785	21
Welders and flamecutters	637	6	–	64	479	26	25	54	12	164	70	34
Other specified operatives	8 989	15	27	111	6 505	171	274	383	134	479	246	100
Machine operatives, miscellaneous specified	3 018	–	–	9	2 797	59	611	155	167	171	218	139
Machine operatives, not specified	1 557	–	–	5	1 468	25	208	52	48	277	374	82
Miscellaneous operatives	1 452	–	–	13	1 209	33	152	366	61	64	109	71
Not specified operatives	781	5	–	10	678	26	116	78	20	76	85	42

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Persons 16 years old and over	Agriculture, forestry, and fisheries	Mining	Construction	Manufacturing							
						Durable goods						
					Total	Furniture, lumber, and wood products	Stone, clay, and glass products	Primary ferrous industries	Primary nonferrous industries	Fabricated metal industries, including not specified metal	Machinery, except electrical	Electrical machinery, equipment, and supplies
WORCESTER SMSA—Continued												
Total employed—Continued												
Transport equipment operatives	5 108	42	55	301	931	30	147	103	36	43	68	-
Deliverymen and routemen	1 194	15	5	5	314	4	32	11	-	-	7	-
Truck drivers	2 715	27	40	270	369	21	68	47	-	17	37	-
Other transport equipment operatives	1 199	-	10	26	248	5	47	45	36	26	24	-
Laborers, except farm	5 002	147	-	841	1 243	43	160	183	19	197	153	28
Freight, stock, and material handlers	2 205	-	-	16	457	12	49	60	7	77	59	22
Other specified laborers	1 980	147	-	825	249	18	33	14	6	16	25	6
Miscellaneous laborers	305	-	-	-	211	-	8	79	-	71	17	-
Not specified laborers	512	-	-	-	326	13	70	30	6	33	52	-
Farm workers	837	837	-	-	-	-	-	-	-	-	-	-
Service workers, including private household	18 349	10	-	61	1 099	21	164	166	33	103	153	49
Cleaning service workers	3 463	6	-	41	649	10	94	74	16	57	101	44
Personal service workers	1 910	-	-	-	45	-	15	10	-	4	-	-
Guards and watchmen	697	4	-	-	228	6	30	62	17	15	39	-
Other service workers, including private household	12 279	-	-	20	177	5	25	20	-	27	13	5
Female employed	54 432	209	15	343	12 987	390	918	453	223	1 398	1 130	1 152
Professional, technical, and kindred workers	9 366	18	-	20	479	5	45	54	10	38	62	50
Accountants	333	-	-	12	112	5	15	17	5	6	22	-
Computer specialists	68	-	-	-	28	-	4	-	-	12	-	7
Life and physical scientists	51	-	-	-	-	-	-	-	-	-	-	-
Registered nurses, dietitians, and therapists	2 915	4	-	4	43	-	10	23	-	-	10	-
Social scientists	29	-	-	-	5	-	-	5	-	-	-	-
Writers, artists, and entertainers	272	-	-	-	59	-	-	5	-	-	-	-
Other professional, technical, and kindred workers	5 698	14	-	4	232	-	16	4	5	20	30	43
Managers and administrators, except farm	1 657	4	-	-	137	-	-	-	5	15	26	11
Salaried	1 501	4	-	-	132	-	-	-	5	15	26	11
Self-employed	156	-	-	-	5	-	-	-	-	-	-	-
Sales workers	3 782	5	-	-	49	-	-	-	-	4	6	-
Clerical and kindred workers	18 989	62	-	283	3 899	79	626	291	76	474	676	169
Bookkeepers	2 591	31	-	133	589	17	50	35	15	102	69	5
Cashiers	1 279	-	-	-	17	-	-	5	-	-	7	-
Counter clerks, except food	214	-	-	-	36	-	4	-	-	10	-	-
File clerks	405	-	-	5	72	-	19	3	-	10	16	6
Office machine operators	691	-	-	-	213	4	29	23	4	38	55	6
Bookkeeping and billing machine operators	56	-	-	-	4	-	-	-	-	-	4	-
Receptionists	435	7	-	18	65	5	-	5	-	15	9	7
Secretaries	4 408	6	-	35	1 003	19	163	97	20	142	201	74
Stenographers	132	-	-	-	34	-	2	9	7	-	5	-
Typists	1 877	-	-	11	396	-	92	23	9	17	118	21
Other clerical and kindred workers	6 957	18	-	81	1 474	34	267	91	21	140	196	50
Craftsmen and kindred workers	1 124	-	-	27	721	-	21	26	14	76	20	40
Foremen, n.e.c	312	-	-	8	226	-	5	5	8	16	9	5
Operatives, except transport	8 422	23	10	13	7 348	289	163	66	118	700	334	848
Assemblers	951	13	-	-	922	121	-	12	15	117	87	274
Checkers, examiners, and inspectors; manufacturing	966	-	-	-	966	6	37	6	21	67	52	207
Packers and wrappers, except meat and produce	715	5	-	-	511	-	14	4	-	71	14	6
Other operatives, except transport	5 790	5	10	13	4 949	162	112	44	82	445	181	361
Transport equipment operatives	192	-	5	-	10	-	5	-	-	5	-	-
Laborers, except farm	467	14	-	-	196	12	4	6	-	76	6	18
Farm workers	79	79	-	-	-	-	-	-	-	-	-	-
Service workers, including private household	10 354	4	-	-	148	5	54	10	-	10	-	16
Cleaning service workers	965	-	-	-	75	-	37	-	-	5	-	16
Personal service workers	1 306	-	-	-	16	-	6	5	-	-	-	-
Other service workers, including private household	8 083	4	-	-	57	5	11	5	-	5	-	-

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More

	Manufacturing—Continued												
	Durable goods—Continued					Nondurable goods							
	Motor vehicles and motor vehicle equipment	Aircraft and parts	Other transportation equipment	Ordnance	Other durable goods	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing, and allied industries	Chemicals and allied products	Rubber and miscellaneous plastic products	Other nondurable goods, incl. not specified manufacturing
WORCESTER SMSA													
Total employed	**524**	**190**	**80**	**700**	**3 371**	**1 172**	**2 200**	**1 421**	**1 163**	**2 230**	**1 178**	**1 251**	**3 165**
Professional, technical, and kindred workers	**20**	**32**	**4**	**32**	**386**	**18**	**63**	**9**	**47**	**284**	**177**	**54**	**79**
Accountants	6	–	–	–	30	5	22	–	4	10	12	10	–
Architects	–	–	–	–	–	–	–	–	–	–	–	–	–
Computer specialists	–	–	–	6	11	–	5	–	–	9	–	5	4
Engineers	10	9	4	17	63	5	10	–	35	17	35	31	32
Chemical	–	–	–	–	5	–	–	–	–	–	21	–	3
Civil	–	–	–	–	–	–	–	–	–	–	–	–	–
Electrical and electronic	–	–	–	–	6	–	–	–	6	–	–	–	–
Industrial	5	–	4	4	4	5	10	–	23	17	10	10	25
Mechanical	5	–	–	13	19	–	–	–	–	–	–	9	–
Other engineers	–	9	–	–	29	–	–	–	6	–	4	12	4
Mathematical specialists	–	–	–	–	–	–	–	–	–	4	–	–	–
Life and physical scientists	–	6	–	3	16	–	–	–	5	–	24	–	–
Chemists	–	6	–	3	5	–	–	–	5	–	24	–	–
Personnel and labor relations workers	4	–	–	–	9	5	5	–	–	6	–	–	–
Social scientists	–	–	–	–	–	–	–	–	–	5	–	–	–
Engineering and science technicians	–	12	–	6	92	–	17	–	3	5	58	4	6
Draftsmen	–	–	–	–	30	–	11	–	–	–	–	4	–
Electrical and electronic engineering technicians	–	–	–	6	11	–	–	–	–	–	–	–	–
Industrial and mechanical engineering technicians	–	–	–	–	–	–	–	–	–	–	–	–	–
Technicians, except health, and engineering and science	–	–	–	–	–	–	–	–	–	–	–	4	–
Writers, artists, and entertainers	–	–	–	–	9	3	4	9	–	225	–	–	4
Other professional, technical, and kindred workers	–	5	–	–	156	–	–	–	–	3	48	–	33
Managers and administrators, except farm	**11**	**4**	**–**	**16**	**169**	**95**	**104**	**94**	**96**	**146**	**146**	**70**	**135**
Buyers, purchasing agents, and sales managers	11	4	–	6	10	23	9	8	30	21	16	15	24
Other managers and administrators	–	–	–	10	159	72	95	86	66	125	130	55	111
Salaried	–	–	–	10	139	72	85	86	62	105	126	55	96
Self-employed	–	–	–	–	20	–	10	–	4	20	4	–	15
Sales workers	**22**	**–**	**–**	**–**	**73**	**112**	**9**	**33**	**23**	**141**	**89**	**37**	**76**
Clerical and kindred workers	**49**	**20**	**–**	**89**	**516**	**131**	**271**	**148**	**157**	**372**	**154**	**134**	**381**
Bookkeepers	14	–	–	6	10	38	39	47	11	33	31	24	73
Cashiers	–	–	–	–	5	–	–	–	–	4	–	–	–
Estimators and investigators, n.e.c	–	–	–	–	11	–	–	3	5	4	–	–	4
Office machine operators	11	5	–	–	11	–	16	4	10	9	–	–	24
Shipping and receiving clerks	–	–	–	4	90	40	53	20	66	16	36	54	44
Stock clerks and storekeepers	10	4	–	9	10	10	16	–	4	3	–	–	32
Other clerical and kindred workers	14	11	–	70	379	43	147	74	61	303	87	56	204
Craftsmen and kindred workers	**136**	**30**	**40**	**179**	**521**	**226**	**351**	**134**	**235**	**745**	**141**	**168**	**425**
Blacksmiths, forgemen, hammermen, and boilermakers	–	–	–	–	–	–	–	–	–	–	–	–	–
Brickmasons and stonemasons	–	–	–	–	–	–	–	–	–	–	–	–	–
Carpenters	–	–	5	–	4	–	6	–	–	–	4	3	–
Cranemen, derrickmen, and hoistmen	–	–	–	–	–	–	–	–	–	–	–	–	–
Electricians	6	–	6	5	7	–	10	–	–	–	–	4	–
Excavating, grading, and road machine operators	–	–	–	–	4	–	–	–	–	–	–	–	–
Foremen, n.e.c	33	–	7	21	107	50	150	74	47	79	81	106	119
Mechanics and repairmen	58	5	–	59	38	37	125	18	93	52	32	25	44
Automobile, including body	53	–	–	–	–	14	–	–	–	–	–	–	–
Machinists, job setters, and toolmakers	9	15	4	83	65	–	37	–	35	–	9	4	14
Metal craftsmen, except mechanics and machinists	16	10	13	11	36	–	4	–	–	5	–	5	6
Painters, construction and maintenance, and plasterers and paperhangers	–	–	5	–	–	5	5	–	–	–	–	–	–
Plumbers and pipe fitters	–	–	–	–	5	–	–	–	–	–	–	–	–
Printing craftsmen	–	–	–	–	11	–	9	–	55	605	10	6	4
Stationary engineers and power station operators	6	–	–	–	–	4	–	–	5	–	–	–	–
Other craftsmen and kindred workers	8	–	–	–	244	130	5	42	–	4	5	15	238
Operatives, except transport	**269**	**92**	**26**	**364**	**1 483**	**259**	**1 247**	**963**	**553**	**394**	**391**	**674**	**1 897**
Assemblers	114	22	–	17	185	5	11	4	19	21	13	92	54
Checkers, examiners, and inspectors; manufacturing	16	13	–	141	138	9	94	39	15	52	103	50	121
Filers, polishers, sanders, and buffers	5	–	–	22	4	–	–	–	–	–	–	–	4
Painters, manufactured articles	10	–	–	–	10	–	–	–	–	–	–	6	–
Precision machine operatives	–	16	–	61	26	–	4	–	8	–	–	–	9
Welders and flamecutters	56	4	–	5	15	5	5	–	–	–	–	–	4
Other specified operatives	17	4	12	31	666	121	1 133	817	141	151	69	135	1 421
Machine operatives, miscellaneous specified	24	18	5	27	211	41	–	47	261	90	118	278	157
Machine operatives, not specified	5	–	–	60	79	21	–	–	80	38	25	65	29
Miscellaneous operatives	22	6	–	–	106	36	–	29	10	24	14	17	89
Not specified operatives	–	9	9	–	43	21	–	27	19	18	49	31	9

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Manufacturing—Continued												
	Durable goods—Continued					Nondurable goods							
	Motor vehicles and motor vehicle equipment	Aircraft and parts	Other transportation equipment	Ordnance	Other durable goods	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing, and allied industries	Chemicals and allied products	Rubber and miscellaneous plastic products	Other nondurable goods, incl. not specified manufacturing
WORCESTER SMSA—Continued													
Total employed—Continued													
Transport equipment operatives	5	4	-	-	60	239	36	4	17	75	35	17	12
Deliverymen and routemen	-	4	-	-	26	164	17	-	5	27	5	6	6
Truck drivers	-	-	-	-	17	64	19	4	12	46	5	6	6
Other transport equipment operatives	5	-	-	-	17	11	-	-	-	2	25	5	-
Laborers, except farm	3	8	7	5	83	50	80	17	22	34	19	62	70
Freight, stock, and material handlers	3	4	-	-	23	17	19	17	12	16	5	23	32
Other specified laborers	-	4	-	-	34	16	24	-	-	18	3	12	20
Miscellaneous laborers	-	-	-	-	8	10	18	-	-	-	-	-	-
Not specified laborers	-	-	7	5	18	7	19	-	10	-	11	27	18
Farm workers	-	-	-	-	-	-	-	-	-	-	-	-	-
Service workers, including private household	9	-	3	15	80	42	39	19	13	39	26	35	90
Cleaning service workers	4	-	-	10	26	35	26	14	13	22	17	20	66
Personal service workers	-	-	-	-	5	-	6	5	-	-	-	-	-
Guards and watchmen	5	-	3	5	15	-	7	-	-	12	5	-	7
Other service workers, including private household	-	-	-	-	34	7	-	-	-	5	4	15	17
Female employed	46	5	4	210	1 265	116	824	1 089	379	691	467	500	1 727
Professional, technical, and kindred workers	-	-	-	-	22	-	28	9	4	65	75	-	12
Accountants	-	-	-	-	10	-	11	-	4	5	12	-	-
Computer specialists	-	-	-	-	-	-	5	-	-	-	-	-	-
Life and physical scientists	-	-	-	-	-	-	-	-	-	-	-	-	-
Registered nurses, dietitians, and therapists	-	-	-	-	-	-	-	-	-	-	-	-	-
Social scientists	-	-	-	-	-	-	-	-	-	-	-	-	-
Writers, artists, and entertainers	-	-	-	-	-	-	-	9	-	45	-	-	-
Other professional, technical, and kindred workers	-	-	-	-	12	-	12	-	-	15	63	-	12
Managers and administrators, except farm	5	-	-	-	11	11	11	7	-	15	10	-	10
Salaried	5	-	-	-	11	11	11	7	-	10	10	-	10
Self-employed	-	-	-	-	-	-	-	-	-	5	-	-	-
Sales workers	-	-	-	-	-	4	-	5	-	10	-	7	13
Clerical and kindred workers	24	5	-	46	288	55	175	133	77	252	111	54	288
Bookkeepers	14	-	-	6	5	28	39	47	11	33	31	15	67
Cashiers	-	-	-	-	5	-	-	-	-	-	-	-	-
Counter clerks, except food	-	-	-	-	-	-	-	-	-	22	-	-	-
File clerks	-	5	-	-	10	-	-	-	-	3	-	-	-
Office machine operators	5	-	-	-	11	-	5	4	5	-	-	-	24
Bookkeeping and billing machine operators	-	-	-	-	-	-	-	-	-	-	-	-	-
Receptionists	-	-	-	5	5	-	5	-	4	-	-	-	5
Secretaries	-	-	-	24	99	2	56	5	11	14	32	14	30
Stenographers	-	-	-	-	-	-	6	-	-	-	5	-	-
Typists	-	-	-	-	-	-	5	15	-	43	10	-	43
Other clerical and kindred workers	5	-	-	11	153	25	59	62	46	137	33	25	119
Craftsmen and kindred workers	-	-	-	17	78	10	32	66	32	109	23	11	146
Foremen, n.e.c	-	-	-	-	23	5	27	55	-	18	8	5	37
Operatives, except transport	17	-	4	147	834	36	569	859	266	224	244	413	1 217
Assemblers	4	-	-	13	135	-	-	-	15	10	13	86	20
Checkers, examiners, and inspectors; manufacturing	-	-	-	73	109	-	61	39	10	46	103	34	95
Packers and wrappers, except meat and produce	-	-	-	-	72	23	10	74	21	43	42	80	37
Other operatives, except transport	13	-	4	61	518	13	498	746	220	125	86	213	1 065
Transport equipment operatives	-	-	-	-	-	-	-	-	-	-	-	-	-
Laborers, except farm	-	-	-	-	13	-	5	6	-	16	-	6	28
Farm workers	-	-	-	-	-	-	-	-	-	-	-	-	-
Service workers, including private household	-	-	-	-	19	-	4	4	-	-	4	9	13
Cleaning service workers	-	-	-	-	-	-	4	4	-	-	-	-	9
Personal service workers	-	-	-	-	5	-	-	-	-	-	-	-	-
Other service workers, including private household	-	-	-	-	14	-	-	-	-	-	4	9	4

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More

	Railroads and railway express service	Trucking service and warehousing	Other transportation	Communications	Utilities and sanitary services	Wholesale trade	Retail trade: General merchandise retailing	Retail trade: Food stores	Retail trade: Automotive dealers and gasoline stations	Retail trade: Eating and drinking places	Retail trade: Other retail trade	Insurance	Finance and real estate
WORCESTER SMSA													
Total employed	**192**	**2 402**	**874**	**1 539**	**2 202**	**6 650**	**3 225**	**3 923**	**2 494**	**3 940**	**8 284**	**4 047**	**3 309**
Professional, technical, and kindred workers	**5**	**9**	**16**	**213**	**209**	**191**	**52**	**54**	**27**	**14**	**344**	**340**	**164**
Accountants	–	–	5	7	33	36	9	14	19	–	47	93	50
Architects	–	–	–	–	–	–	–	–	–	–	–	–	–
Computer specialists	–	–	–	–	32	15	–	–	–	–	14	85	37
Engineers	–	–	4	76	64	60	–	20	–	–	17	5	7
Chemical	–	–	–	–	–	–	–	–	–	–	–	–	–
Civil	–	–	–	–	5	13	–	4	–	–	5	–	7
Electrical and electronic	–	–	–	76	53	–	–	–	–	–	–	–	–
Industrial	–	–	–	–	–	4	–	11	–	–	–	5	–
Mechanical	–	–	4	–	–	6	–	5	–	–	–	–	–
Other engineers	–	–	–	–	6	37	–	–	–	–	12	–	–
Mathematical specialists	–	–	–	–	–	–	–	–	–	–	5	47	–
Life and physical scientists	–	–	–	–	4	–	–	5	–	–	12	–	–
Chemists	–	–	–	–	–	–	–	5	–	–	12	–	–
Personnel and labor relations workers	–	9	–	28	11	–	20	3	–	–	12	37	10
Social scientists	–	–	–	–	4	12	–	–	–	–	–	10	6
Engineering and science technicians	–	–	–	30	26	34	–	6	–	–	10	11	5
Draftsmen	–	–	–	10	5	19	–	–	–	–	5	–	–
Electrical and electronic engineering technicians	–	–	–	20	11	–	–	–	–	–	5	–	–
Industrial and mechanical engineering technicians	–	–	–	–	–	–	–	–	–	–	–	–	–
Technicians, except health, and engineering and science	–	–	4	4	8	–	–	–	–	–	–	–	–
Writers, artists, and entertainers	–	–	–	62	11	13	18	6	–	14	39	16	21
Other professional, technical, and kindred workers	5	–	3	6	16	21	5	–	8	–	188	36	28
Managers and administrators, except farm	**60**	**115**	**57**	**90**	**137**	**979**	**400**	**527**	**485**	**443**	**1 045**	**430**	**688**
Buyers, purchasing agents, and sales managers	–	5	–	9	14	280	159	122	21	–	245	40	–
Other managers and administrators	60	110	57	81	123	699	241	405	464	443	800	390	688
Salaried	60	94	52	81	117	590	183	271	248	296	535	374	633
Self-employed	–	16	5	–	6	109	58	134	216	147	265	16	55
Sales workers	–	**25**	**5**	**48**	**58**	**1 241**	**1 521**	**594**	**402**	**50**	**2 794**	**909**	**446**
Clerical and kindred workers	**13**	**318**	**156**	**737**	**546**	**1 532**	**678**	**1 149**	**282**	**175**	**1 989**	**2 210**	**1 669**
Bookkeepers	–	36	9	28	59	335	88	67	154	49	345	145	203
Cashiers	–	4	39	9	13	25	201	751	5	114	161	13	10
Estimators and investigators, n.e.c	–	16	–	40	9	10	20	9	9	–	18	80	65
Office machine operators	5	5	–	4	18	72	9	16	4	–	41	145	109
Shipping and receiving clerks	–	43	6	–	–	180	61	43	–	–	109	5	–
Stock clerks and storekeepers	–	9	–	4	14	124	40	105	14	–	182	18	–
Other clerical and kindred workers	8	205	102	652	433	786	259	158	96	12	1 133	1 804	1 282
Craftsmen and kindred workers	**68**	**184**	**90**	**415**	**714**	**725**	**112**	**295**	**579**	**41**	**786**	**38**	**75**
Blacksmiths, forgemen, hammermen, and boilermakers	–	–	–	–	5	–	–	–	–	–	–	–	6
Brickmasons and stonemasons	–	–	–	–	–	–	–	–	–	–	–	–	–
Carpenters	–	–	–	–	–	18	11	–	–	–	10	–	4
Cranemen, derrickmen, and hoistmen	–	–	–	–	10	33	–	–	–	–	–	–	–
Electricians	5	–	–	–	44	4	–	–	–	–	19	–	–
Excavating, grading, and road machine operators	–	–	–	–	6	–	–	–	5	–	5	–	6
Foremen, n.e.c	16	36	5	32	126	175	30	68	29	–	120	4	18
Mechanics and repairmen	–	108	74	5	135	248	39	16	524	15	223	10	10
Automobile, including body	–	97	49	–	16	54	–	6	504	5	6	–	–
Machinists, job setters, and toolmakers	4	4	–	–	–	17	–	11	4	–	5	–	–
Metal craftsmen, except mechanics and machinists	–	–	–	–	4	10	–	21	–	–	–	–	–
Painters, construction and maintenance, and plasterers and paperhangers	–	–	–	–	12	–	–	–	–	–	–	–	17
Plumbers and pipe fitters	–	–	–	–	5	10	–	–	–	–	11	–	–
Printing craftsmen	–	–	–	–	–	10	–	10	–	–	4	18	7
Stationary engineers and power station operators	–	–	–	–	72	16	–	–	–	–	–	–	–
Other craftsmen and kindred workers	43	36	11	378	295	184	32	169	17	26	389	6	7
Operatives, except transport	**4**	**40**	**10**	**–**	**48**	**696**	**65**	**464**	**567**	**5**	**220**	**15**	**18**
Assemblers	–	–	–	–	–	16	–	10	4	–	9	–	–
Checkers, examiners, and inspectors; manufacturing	–	–	–	–	–	–	–	–	–	–	–	–	–
Filers, polishers, sanders, and buffers	–	–	–	–	–	–	–	21	–	–	–	–	–
Painters, manufactured articles	–	–	–	–	–	–	–	–	6	–	–	–	–
Precision machine operatives	–	–	–	–	–	20	–	–	5	–	–	–	–
Welders and flamecutters	–	–	–	–	4	19	–	–	–	–	–	–	5
Other specified operatives	–	24	5	–	28	363	61	355	535	5	189	6	–
Machine operatives, miscellaneous specified	–	11	–	–	–	136	–	28	8	–	3	–	4
Machine operatives, not specified	–	5	–	–	–	39	–	17	–	–	–	6	4
Miscellaneous operatives	4	–	5	–	16	76	4	19	5	–	4	–	–
Not specified operatives	–	–	–	–	–	27	–	14	4	–	15	3	5

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Railroads and railway express service	Trucking service and warehousing	Other transportation	Communications	Utilities and sanitary services	Wholesale trade	Retail trade: General merchandise retailing	Retail trade: Food stores	Retail trade: Automotive dealers and gasoline stations	Retail trade: Eating and drinking places	Retail trade: Other retail trade	Insurance	Finance and real estate
WORCESTER SMSA—Continued													
Total employed—Continued													
Transport equipment operatives	30	1 378	486	-	176	858	51	43	63	5	370	5	4
Deliverymen and routemen	-	89	-	-	-	385	41	30	16	-	199	-	-
Truck drivers	7	1 289	5	-	39	359	10	13	42	5	112	-	4
Other transport equipment operatives	23	-	481	-	137	114	-	-	5	-	59	5	-
Laborers, except farm	12	302	10	5	221	363	125	638	59	12	245	19	59
Freight, stock, and material handlers	-	281	10	-	77	304	125	608	5	6	174	9	4
Other specified laborers	-	10	-	-	106	29	-	9	54	-	48	6	45
Miscellaneous laborers	12	7	-	-	10	18	-	-	-	-	10	-	-
Not specified laborers	-	4	-	5	28	12	-	21	-	6	13	4	10
Farm workers	-	-	-	-	-	-	-	-	-	-	-	-	-
Service workers, including private household	-	31	44	31	93	65	221	159	30	3 195	491	81	186
Cleaning service workers	-	11	15	15	58	40	65	28	22	48	56	56	116
Personal service workers	-	5	9	16	-	6	42	6	-	38	24	4	11
Guards and watchmen	-	15	-	-	4	-	16	-	-	-	9	4	47
Other service workers, including private household	-	-	20	-	31	19	98	125	8	3 109	402	17	12
Female employed	-	184	201	767	437	1 581	2 271	1 638	282	2 179	3 736	2 357	1 771
Professional, technical, and kindred workers	-	-	-	36	43	30	37	15	-	5	80	126	49
Accountants	-	-	-	-	23	15	4	6	-	-	6	47	21
Computer specialists	-	-	-	-	-	-	-	-	-	-	-	29	6
Life and physical scientists	-	-	-	-	-	-	-	-	-	-	12	-	-
Registered nurses, dietitians, and therapists	-	-	-	-	10	7	5	-	-	-	5	9	-
Social scientists	-	-	-	-	4	-	-	-	-	-	-	-	-
Writers, artists, and entertainers	-	-	-	20	-	4	14	6	-	5	18	5	11
Other professional, technical, and kindred workers	-	-	-	16	6	4	14	3	-	-	39	36	11
Managers and administrators, except farm	-	5	24	18	-	49	153	80	11	86	201	108	155
Salaried	-	5	24	18	-	42	141	65	5	70	157	108	146
Self-employed	-	-	-	-	-	7	12	15	6	16	44	-	9
Sales workers	-	-	-	6	5	93	1 266	357	30	32	1 582	95	111
Clerical and kindred workers	-	168	74	687	330	1 029	575	822	219	161	1 409	1 978	1 407
Bookkeepers	-	32	9	23	49	294	73	67	140	45	332	145	174
Cashiers	-	-	-	9	13	20	201	626	-	109	144	13	10
Counter clerks, except food	-	-	-	9	-	31	14	-	-	-	4	-	-
File clerks	-	-	-	4	21	11	-	-	7	-	20	107	68
Office machine operators	-	5	-	4	6	68	4	16	4	-	36	113	86
Bookkeeping and billing machine operators	-	-	-	-	-	12	-	-	-	-	-	4	27
Receptionists	-	-	-	-	-	31	-	5	-	-	11	23	14
Secretaries	-	22	26	26	67	209	19	33	23	3	168	427	192
Stenographers	-	-	-	-	4	-	-	-	-	-	-	16	-
Typists	-	33	-	33	13	52	26	5	3	-	55	455	115
Other clerical and kindred workers	-	76	39	579	157	313	238	70	42	4	639	679	748
Craftsmen and kindred workers	-	-	-	-	3	42	14	40	16	-	85	8	-
Foremen, n.e.c	-	-	-	-	-	7	14	4	5	-	16	-	-
Operatives, except transport	-	-	-	-	4	271	59	169	6	-	78	7	13
Assemblers	-	-	-	-	-	10	-	-	-	-	-	-	-
Checkers, examiners, and inspectors, manufacturing	-	-	-	-	-	-	-	-	-	-	-	-	-
Packers and wrappers, except meat and produce	-	-	-	-	-	90	22	59	-	-	10	-	-
Other operatives, except transport	-	-	-	-	4	171	37	110	6	-	68	7	13
Transport equipment operatives	-	11	99	-	22	4	6	5	-	-	4	-	-
Laborers, except farm	-	-	-	-	5	44	36	60	-	-	57	-	5
Farm workers	-	-	-	-	-	-	-	-	-	-	-	-	-
Service workers, including private household	-	-	4	20	25	19	125	90	-	1 895	240	35	31
Cleaning service workers	-	-	-	4	-	15	4	5	-	-	19	14	15
Personal service workers	-	-	-	16	-	-	42	-	-	20	19	4	11
Other service workers, including private household	-	-	4	-	25	4	79	85	-	1 875	202	17	5

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Business services	Repair services	Hotels and lodging places	Other personal services, including private household	Entertainment and recreation services	Hospitals	Health services, except hospitals	Educational services, government	Educational services, private	Welfare, religious, and nonprofit membership organizations	Other professional and related services	Public administration
WORCESTER SMSA												
Total employed	**1 887**	**1 648**	**513**	**3 222**	**863**	**7 808**	**4 289**	**7 432**	**4 082**	**2 147**	**3 548**	**5 238**
Professional, technical, and kindred workers	**366**	**82**	**28**	**120**	**119**	**2 925**	**1 579**	**5 062**	**2 116**	**883**	**1 757**	**540**
Accountants	40	-	8	-	-	5	-	17	9	11	252	86
Architects	-	-	-	-	-	-	-	-	-	-	21	-
Computer specialists	19	-	-	-	-	4	4	-	19	-	11	-
Engineers	52	23	-	-	-	9	15	10	19	11	129	101
Chemical	-	-	-	-	-	-	-	-	9	-	-	-
Civil	4	-	-	-	-	-	-	7	5	-	45	69
Electrical and electronic	23	11	-	-	-	-	-	-	-	-	12	-
Industrial	10	-	-	-	-	5	-	-	-	-	-	7
Mechanical	8	6	-	-	-	4	-	-	-	6	26	4
Other engineers	7	6	-	-	-	-	15	3	5	5	46	21
Mathematical specialists	-	-	-	-	-	5	-	-	-	-	-	-
Life and physical scientists	-	-	-	-	-	19	34	12	11	-	22	10
Chemists	-	-	-	-	-	-	4	-	-	-	5	-
Personnel and labor relations workers	59	4	-	-	-	4	10	-	5	14	4	85
Social scientists	18	-	-	-	-	20	-	6	9	12	-	32
Engineering and science technicians	37	6	-	4	-	26	10	17	35	-	127	18
Draftsmen	-	-	-	-	-	-	-	-	-	-	59	8
Electrical and electronic engineering technicians	5	-	-	-	-	-	-	10	4	-	-	4
Industrial and mechanical engineering technicians	-	-	-	-	-	6	-	7	-	-	3	-
Technicians, except health, and engineering and science	6	-	-	5	-	5	-	5	9	-	12	37
Writers, artists, and entertainers	73	-	4	59	72	-	4	28	41	105	45	10
Other professional, technical, and kindred workers	62	49	16	52	47	2 828	1 502	4 967	1 959	730	1 134	161
Managers and administrators, except farm	**213**	**132**	**73**	**165**	**119**	**140**	**185**	**384**	**220**	**207**	**67**	**465**
Buyers, purchasing agents, and sales managers	5	8	-	4	-	-	-	-	-	4	-	10
Other managers and administrators	208	124	73	161	119	140	185	384	220	203	67	455
Salaried	122	110	54	127	108	140	168	384	184	203	67	455
Self-employed	86	14	19	34	11	-	17	-	36	-	-	-
Sales workers	**114**	**17**	**6**	**95**	**11**	**4**	**10**	**8**	**23**	**31**	**20**	**5**
Clerical and kindred workers	**565**	**182**	**76**	**298**	**124**	**946**	**477**	**830**	**753**	**533**	**942**	**1 967**
Bookkeepers	63	50	24	25	27	58	42	28	31	59	67	57
Cashiers	5	23	5	6	35	40	-	15	10	4	9	17
Estimators and investigators, n.e.c	41	9	-	-	-	5	-	-	-	5	5	33
Office machine operators	65	-	-	-	-	14	-	6	20	-	42	23
Shipping and receiving clerks	-	-	-	9	-	-	-	-	-	-	-	-
Stock clerks and storekeepers	-	-	-	4	-	26	5	-	19	-	14	10
Other clerical and kindred workers	391	100	47	254	62	803	430	781	673	465	805	1 827
Craftsmen and kindred workers	**165**	**923**	-	**83**	**37**	**179**	**197**	**81**	**121**	**49**	**85**	**167**
Blacksmiths, forgemen, hammermen, and boilermakers	-	10	-	-	-	-	-	-	-	-	-	-
Brickmasons and stonemasons	-	-	-	-	-	-	-	-	-	-	-	11
Carpenters	10	-	-	11	-	20	9	21	16	6	-	5
Cranemen, derrickmen, and hoistmen	-	-	-	-	-	-	-	-	-	-	-	-
Electricians	-	9	-	-	-	10	6	-	9	-	6	-
Excavating, grading, and road machine operators	10	-	-	-	-	-	-	-	-	3	4	13
Foremen, n.e.c	19	13	-	11	5	18	17	10	20	-	4	23
Mechanics and repairmen	75	762	-	12	9	23	3	-	6	-	13	67
Automobile, including body	8	528	-	-	-	5	-	-	-	-	-	41
Machinists, job setters, and toolmakers	-	6	-	-	-	-	-	-	4	-	5	7
Metal craftsmen, except mechanics and machinists	-	-	-	-	-	-	-	-	-	-	-	-
Painters, construction and maintenance, and plasterers and paperhangers	-	-	-	4	4	36	22	9	8	5	5	7
Plumbers and pipe fitters	-	-	-	-	-	3	10	6	18	8	-	-
Printing craftsmen	-	-	-	-	-	5	5	5	5	10	-	-
Stationary engineers and power station operators	10	6	-	-	-	59	-	-	4	-	-	6
Other craftsmen and kindred workers	41	117	-	45	19	5	125	30	31	17	48	28
Operatives, except transport	**94**	**148**	-	**323**	**6**	**175**	**40**	**20**	**44**	**34**	**96**	**63**
Assemblers	10	-	-	-	-	-	-	-	4	-	10	-
Checkers, examiners, and inspectors; manufacturing	-	-	-	-	-	-	-	-	-	-	-	-
Filers, polishers, sanders, and buffers	-	10	-	-	-	-	-	-	-	-	-	-
Painters, manufactured articles	-	12	-	-	-	-	-	-	-	-	-	-
Precision machine operatives	-	12	-	7	-	-	-	-	-	-	6	-
Welders and flamecutters	-	60	-	-	-	-	-	-	-	-	-	-
Other specified operatives	32	48	-	296	6	160	34	16	31	15	63	59
Machine operatives, miscellaneous specified	-	6	-	4	-	6	-	-	-	6	-	-
Machine operatives, not specified	-	-	-	-	-	4	-	-	-	-	5	4
Miscellaneous operatives	43	-	-	16	-	-	6	4	9	13	6	-
Not specified operatives	9	-	-	-	-	5	-	-	-	-	6	-

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Business services	Repair services	Hotels and lodging places	Other personal services, including private household	Entertainment and recreation services	Hospitals	Health services, except hospitals	Educational services, government	Educational services, private	Welfare, religious, and nonprofit membership organizations	Other professional and related services	Public administration
WORCESTER SMSA—Continued												
Total employed—Continued												
Transport equipment operatives	36	69	–	101	–	16	5	15	8	6	4	50
Deliverymen and routemen	20	–	–	64	–	–	5	–	–	–	–	6
Truck drivers	16	19	–	24	–	16	–	11	–	6	4	28
Other transport equipment operatives	–	50	–	13	–	–	–	4	8	–	–	16
Laborers, except farm	11	43	13	37	128	101	29	20	27	15	57	220
Freight, stock, and material handlers	–	4	–	–	–	15	–	10	4	6	10	80
Other specified laborers	7	29	5	21	128	70	14	6	23	5	44	100
Miscellaneous laborers	–	10	–	6	–	6	5	–	–	4	–	6
Not specified laborers	4	–	8	10	–	10	10	4	–	–	3	34
Farm workers	–	–	–	–	–	–	–	–	–	–	–	–
Service workers, including private household	323	52	317	2 000	319	3 322	1 767	1 012	770	389	520	1 761
Cleaning service workers	173	19	137	49	49	478	151	469	328	199	27	158
Personal service workers	–	5	73	1 094	91	32	63	133	88	104	15	6
Guards and watchmen	125	11	–	–	5	40	4	14	61	–	20	90
Other service workers, including private household	25	17	107	857	174	2 772	1 549	396	293	86	458	1 507
Female employed	737	168	338	2 186	334	6 056	3 135	4 509	2 023	1 099	1 683	1 206
Professional, technical, and kindred workers	101	14	11	64	30	2 473	856	2 978	961	346	478	116
Accountants	25	–	–	–	–	–	–	6	9	–	32	15
Computer specialists	–	–	–	–	–	–	–	–	5	–	–	–
Life and physical scientists	–	–	–	–	–	19	10	–	5	–	5	–
Registered nurses, dietitians, and therapists	24	–	6	35	–	2 025	646	43	21	18	6	4
Social scientists	–	–	–	–	–	9	–	6	–	–	–	5
Writers, artists, and entertainers	4	–	–	17	5	–	4	14	5	68	13	–
Other professional, technical, and kindred workers	48	14	5	12	25	420	196	2 909	916	260	422	92
Managers and administrators, except farm	21	–	31	15	27	47	112	146	58	71	10	88
Salaried	21	–	21	11	22	47	101	146	46	71	10	88
Self-employed	–	–	10	4	5	–	11	–	12	–	–	–
Sales workers	26	6	6	65	11	4	10	–	14	4	–	5
Clerical and kindred workers	474	129	66	275	90	885	466	802	596	493	828	782
Bookkeepers	58	30	24	25	27	55	39	28	31	48	56	34
Cashiers	5	15	5	–	21	35	–	15	6	4	5	6
Counter clerks, except food	–	–	17	81	5	12	–	–	5	–	–	–
File clerks	17	–	–	–	–	16	5	15	5	13	6	13
Office machine operators	60	–	–	–	–	14	–	6	5	–	32	19
Bookkeeping and billing machine operators	6	–	–	–	–	–	–	–	–	–	–	3
Receptionists	6	10	–	39	–	66	28	–	39	46	20	7
Secretaries	110	15	5	43	16	250	306	272	310	202	493	127
Stenographers	5	–	–	–	–	20	–	15	–	14	11	13
Typists	65	20	–	4	–	114	28	106	53	65	39	186
Other clerical and kindred workers	148	39	15	83	21	303	60	345	142	101	166	377
Craftsmen and kindred workers	20	6	–	–	4	16	38	32	28	–	13	11
Foremen, n.e.c	5	–	–	–	–	6	6	–	5	–	4	6
Operatives, except transport	30	13	–	190	–	89	29	10	20	12	28	–
Assemblers	–	–	–	–	–	–	–	–	–	–	6	–
Checkers, examiners, and inspectors; manufacturing	–	–	–	–	–	–	–	–	–	–	–	–
Packers and wrappers, except meat and produce	7	7	–	4	–	–	–	–	–	–	–	–
Other operatives, except transport	23	6	–	186	–	89	29	10	20	12	22	–
Transport equipment operatives	15	–	–	–	–	–	–	5	–	–	–	6
Laborers, except farm	–	–	8	8	–	21	–	–	–	4	4	5
Farm workers	–	–	–	–	–	–	–	–	–	–	–	–
Service workers, including private household	50	–	216	1 569	172	2 521	1 624	536	346	169	322	193
Cleaning service workers	44	–	112	19	6	310	74	35	133	57	6	18
Personal service workers	–	–	50	743	33	17	63	133	61	62	10	6
Other service workers, including private household	6	–	54	807	133	2 194	1 487	368	152	50	306	169