Table 171. Detailed Occupation of Employed Persons by Residence, Race, 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	The State											
	Total		Negro		Persons of Puerto Rican birth or parentage		Urban and rural residence					
							Urban		Rural nonfarm		Rural farm	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Total employed, 16 years old and over	**4 378 187**	**2 745 814**	**407 002**	**351 486**	**158 450**	**74 640**	**3 759 629**	**2 423 752**	**565 600**	**301 279**	**52 958**	**20 783**
Professional, technical, and kindred workers	**726 248**	**465 813**	**32 215**	**42 161**	**6 360**	**4 968**	**637 664**	**410 131**	**86 303**	**52 156**	**2 281**	**3 526**
Accountants	64 706	14 910	2 234	1 248	404	169	60 550	13 469	4 063	1 375	93	66
Architects	6 036	317	207	9	5	11	5 468	298	552	15	16	4
Computer specialists	24 943	7 153	1 230	496	194	17	21 244	6 471	3 671	673	28	9
Computer programers	16 074	5 522	874	366	133	13	13 686	4 979	2 375	543	13	–
Computer systems analysts	7 641	1 435	301	108	50	4	6 518	1 296	1 113	130	10	9
Computer specialists, n.e.c	1 228	196	55	22	11	–	1 040	196	183	–	5	–
Engineers	102 280	1 674	1 837	66	316	–	85 753	1 432	16 181	233	346	9
Aeronautical and astronautical	4 843	28	54	–	30	–	4 546	28	286	–	11	–
Chemical	3 347	48	49	6	5	–	2 821	43	522	5	4	–
Civil	14 706	213	385	10	42	–	12 494	186	2 126	18	86	9
Electrical and electronic	27 291	494	531	12	94	–	23 106	428	4 118	66	67	–
Industrial	15 161	431	204	22	64	–	12 476	376	2 665	55	20	–
Mechanical	13 660	164	236	6	33	–	11 246	132	2 359	32	55	–
Metallurgical and materials	995	9	10	–	7	–	782	9	187	–	26	–
Mining	79	–	–	–	–	–	41	–	38	–	–	–
Petroleum	106	5	–	5	–	–	85	5	21	–	–	–
Sales	3 837	32	10	–	–	–	3 342	25	495	7	–	–
Engineers, n.e.c	18 255	250	358	5	41	–	14 814	200	3 364	50	77	–
Farm management advisors	195	61	5	15	–	–	84	37	106	14	5	10
Foresters and conservationists	859	132	11	49	–	–	279	117	522	15	58	–
Home management advisors	17	457	–	54	–	10	13	402	4	46	–	9
Lawyers and judges	40 076	2 028	490	75	106	19	37 802	1 872	2 205	135	69	21
Judges	1 015	51	71	15	–	–	895	41	96	5	24	5
Lawyers	39 061	1 977	419	60	106	19	36 907	1 831	2 109	130	45	16
Librarians, archivists, and curators	3 557	9 415	218	437	7	15	3 266	7 967	285	1 378	6	70
Librarians	2 934	9 127	180	431	7	15	2 697	7 699	237	1 358	–	70
Archivists and curators	623	288	38	6	–	–	569	268	48	20	6	–
Mathematical specialists	2 662	1 714	104	73	16	8	2 492	1 655	170	59	–	–
Actuaries	614	192	12	16	5	–	593	192	21	–	–	–
Mathematicians	399	156	19	5	–	–	333	150	66	6	–	–
Statisticians	1 649	1 366	73	52	11	8	1 566	1 313	83	53	–	–
Life and physical scientists	13 931	2 959	532	226	78	33	11 216	2 681	2 629	261	86	17
Agricultural	442	58	32	–	–	–	205	31	220	15	17	12
Atmospheric and space	276	30	5	–	–	–	247	16	24	14	5	–
Biological	1 478	1 079	97	126	5	14	1 219	995	246	84	13	–
Chemists	9 211	1 664	347	93	65	13	7 647	1 531	1 532	133	32	–
Geologists	231	10	5	–	–	–	196	10	35	–	–	–
Marine	99	9	12	–	–	6	82	9	17	–	–	–
Physicists and astronomers	2 122	76	30	7	8	–	1 561	56	542	15	19	5
Life and physical, n.e.c	72	33	4	–	–	–	59	33	13	–	–	–
Operations and systems researchers and analysts	8 071	988	151	62	47	–	7 063	900	997	82	11	6
Personnel and labor relations workers	19 310	10 829	1 008	927	213	187	17 146	10 271	2 130	527	34	31
Physicians, dentists, and related practitioners	60 090	6 418	1 284	307	162	94	55 451	6 006	4 491	374	148	38
Chiropractors	1 020	67	10	–	–	–	896	57	124	10	–	–
Dentists	11 866	421	249	21	14	–	10 912	376	943	40	11	5
Optometrists	1 240	45	12	8	–	–	1 142	45	98	–	–	–
Pharmacists	10 217	929	155	31	52	36	9 301	811	892	118	24	–
Physicians, medical and osteopathic	33 616	4 653	832	237	89	53	31 517	4 448	2 018	178	81	27
Podiatrists	885	54	6	6	7	–	843	49	42	5	–	–
Veterinarians	1 139	94	20	4	–	5	739	72	368	16	32	6
Health practitioners, n.e.c	107	155	–	–	–	–	101	148	6	7	–	–
Registered nurses, dietitians, and therapists	6 644	90 354	1 545	14 394	229	1 091	5 799	77 620	779	11 992	66	742
Dietitians	391	3 614	194	1 132	45	110	370	3 304	15	280	6	30
Registered nurses	3 163	81 861	861	12 948	115	927	2 728	70 017	412	11 169	23	675
Therapists	3 090	4 879	490	314	69	54	2 701	4 299	352	543	37	37
Health technologists and technicians	8 367	16 493	1 687	2 387	434	416	7 609	14 606	741	1 801	17	86
Clinical laboratory technologists and technicians	3 612	7 644	796	1 220	192	200	3 330	6 895	277	719	5	30
Dental hygienists	66	2 176	11	37	–	13	56	1 766	5	390	5	20
Health record technologists and technicians	147	918	27	100	–	15	137	818	10	100	–	–
Radiologic technologists and technicians	2 036	2 616	430	359	169	101	1 818	2 342	218	260	–	14
Therapy assistants	127	150	36	17	16	–	127	140	–	10	–	–
Health technologists and technicians, n.e.c	2 379	2 989	387	654	57	87	2 141	2 645	231	322	7	22
Religious workers	15 208	2 349	1 017	150	135	21	12 539	2 122	2 626	213	43	14
Clergymen	13 944	564	941	57	135	7	11 387	496	2 514	68	43	–
Religious workers, n.e.c	1 264	1 785	76	93	–	14	1 152	1 626	112	145	–	14
Social scientists	11 933	3 443	351	148	59	57	10 937	3 302	985	141	11	–
Economists	8 563	1 340	222	54	12	34	7 891	1 300	667	40	5	–
Political scientists	93	22	14	3	–	–	78	22	15	–	–	–
Psychologists	2 373	1 773	75	72	27	23	2 131	1 687	236	86	6	–
Sociologists	104	93	6	14	–	–	93	93	11	–	–	–
Urban and regional planners	645	172	28	–	20	–	609	169	36	3	–	–
Social scientists, n.e.c	155	43	6	5	–	–	135	31	20	12	–	–
Social and recreation workers	15 693	21 692	3 091	4 746	614	773	14 594	20 044	1 036	1 516	63	132
Social	12 862	19 545	2 611	4 406	541	734	12 019	18 083	786	1 330	57	132
Recreation	2 831	2 147	480	340	73	39	2 575	1 961	250	186	6	–
Teachers, college and university	31 539	13 309	721	508	63	63	27 070	11 889	4 372	1 387	97	33
Biology	1 201	436	33	8	–	8	999	400	202	36	–	–
Chemistry	1 330	184	10	–	–	–	1 125	137	205	47	–	–
Engineering	1 230	99	23	–	–	–	983	83	235	12	12	4
Physics	1 369	94	4	–	–	–	1 173	84	196	10	–	–
Other life and physical sciences	464	60	–	–	–	–	308	50	150	10	6	–
Mathematics	1 780	454	12	25	7	–	1 578	378	197	76	5	–
Economics	736	70	5	–	–	–	665	70	59	–	12	–
English	2 369	1 607	62	29	–	–	2 059	1 420	304	187	6	–
History	1 100	275	16	20	–	–	939	237	145	38	16	–
Miscellaneous social sciences	2 156	814	33	24	–	7	1 783	770	373	44	–	–
Other specified teachers	7 944	4 944	208	173	27	10	6 879	4 386	1 052	543	13	15
Not specified teachers	9 860	4 272	315	229	29	38	8 579	3 874	1 254	384	27	14

Table 171. **Detailed Occupation of Employed Persons by Residence, Race, 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	The State											
	Total		Negro		Persons of Puerto Rican birth or parentage		Urban and rural residence					
							Urban		Rural nonfarm		Rural farm	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Professional, technical, and kindred workers—Continued												
Teachers, except college and university	89 699	172 909	3 186	8 952	525	944	75 286	147 662	13 976	23 356	437	1 891
Adult education	2 253	1 909	132	220	4	31	1 776	1 719	465	179	12	11
Elementary school	26 153	103 271	1 136	5 136	128	554	21 956	87 586	4 055	14 395	142	1 290
Prekindergarten and kindergarten	272	10 799	26	1 078	16	83	233	9 393	39	1 350	–	56
Secondary school	55 774	48 301	1 548	1 978	245	229	46 587	41 442	8 909	6 381	278	478
Teachers, except college and university, n.e.c	5 247	8 629	344	540	132	47	4 734	7 522	508	1 051	5	56
Engineering and science technicians	58 909	7 030	2 720	447	747	41	47 746	5 771	10 869	1 223	294	36
Agriculture and biological, except health	1 750	889	25	60	20	–	938	666	710	212	102	11
Chemical	3 386	731	161	53	26	–	2 791	621	595	105	–	5
Draftsmen	22 258	1 899	1 104	73	310	–	19 145	1 657	3 047	231	66	11
Electrical and electronic engineering	14 405	577	825	34	227	7	11 860	396	2 517	176	28	5
Industrial engineering	1 636	149	35	–	6	–	1 231	124	390	25	15	–
Mechanical engineering	993	28	27	–	7	–	797	23	190	5	6	–
Mathematical	51	–	2	–	–	–	51	–	–	–	–	–
Surveyors	2 999	150	63	24	8	–	2 067	140	900	10	32	–
Engineering and science, n.e.c	11 431	2 607	478	203	143	34	8 866	2 144	2 520	459	45	4
Technicians, except health, and engineering and science	8 560	698	368	56	125	–	7 249	630	1 257	68	54	–
Airplane pilots	2 563	41	24	–	–	–	2 026	32	499	9	38	–
Air traffic controllers	1 529	23	64	5	33	–	1 339	18	190	5	–	–
Embalmers	215	16	25	–	8	–	194	16	21	–	–	–
Flight engineers	485	32	5	–	–	–	440	32	45	–	–	–
Radio operators	1 527	94	51	8	5	–	1 306	90	210	4	11	–
Tool programers, numerical control	210	47	10	4	7	–	184	47	26	–	–	–
Technicians, n.e.c	2 031	445	189	39	72	–	1 760	395	266	50	5	–
Vocational and educational counselors	5 791	4 667	359	696	69	95	4 758	4 236	988	420	45	11
Writers, artists, and entertainers	79 943	38 825	3 821	1 174	1 207	491	73 590	36 419	6 233	2 295	120	111
Actors	1 976	1 270	96	58	–	15	1 936	1 250	40	20	–	–
Athletes and kindred workers	2 517	1 056	192	25	15	7	2 051	813	445	213	21	30
Authors	3 229	1 840	106	32	–	–	2 951	1 704	274	125	4	11
Dancers	273	616	25	63	6	61	269	605	4	11	–	–
Designers	15 439	7 273	471	267	224	164	13 692	7 044	1 734	220	13	9
Editors and reporters	14 716	11 376	386	228	81	75	13 905	10 793	806	566	5	17
Musicians and composers	7 514	2 946	875	124	231	11	7 181	2 552	327	385	6	9
Painters and sculptors	12 210	5 731	429	109	177	39	11 432	5 358	778	368	–	5
Photographers	7 565	860	542	47	184	20	7 038	774	522	80	5	6
Public relations men and publicity writers	6 738	3 505	309	162	106	18	6 259	3 371	453	129	26	5
Radio and television announcers	1 258	130	57	–	13	–	1 026	121	220	9	12	–
Writers, artists, and entertainers, n.e.c	6 508	2 222	333	59	170	81	5 850	2 034	630	169	28	19
Research workers, not specified	9 488	5 292	274	181	59	29	8 332	5 031	1 141	246	15	15
Professional, technical, and kindred workers—allocated	37 741	29 697	3 764	4 278	546	384	34 328	27 221	3 294	2 311	119	165
Managers and administrators, except farm	**509 827**	**97 142**	**17 164**	**6 154**	**7 144**	**1 247**	**448 956**	**85 570**	**59 144**	**11 003**	**1 727**	**569**
Assessors, controllers, and treasurers; local public administration	1 024	619	12	–	–	8	772	300	231	289	21	30
Bank officers and financial managers	28 427	5 306	769	369	340	76	26 127	4 924	2 236	362	64	20
Buyers and shippers, farm products	659	36	2	–	5	–	437	33	152	3	70	–
Buyers, wholesale and retail trade	17 931	7 874	362	299	131	70	16 936	7 359	982	494	13	21
Credit men	4 221	1 228	89	58	19	–	3 913	1 115	305	108	3	5
Funeral directors	2 806	186	161	39	7	5	2 395	147	405	39	6	–
Health administrators	4 541	3 547	377	364	87	66	3 980	2 997	555	516	6	34
Construction inspectors; public administration	1 707	50	40	–	7	–	1 513	25	189	25	5	–
Inspectors, except construction; public administration	6 660	699	396	126	72	–	5 967	633	678	60	15	6
Federal public administration and postal service	3 780	269	235	38	56	–	3 481	238	294	31	5	–
State public administration	1 585	172	64	29	–	–	1 233	149	342	17	10	6
Local public administration	1 295	258	97	59	16	–	1 253	246	42	12	–	–
Managers and superintendents, building	8 501	1 602	983	224	830	54	8 207	1 570	289	26	5	6
Officers, pilots, and pursers; ship	1 774	30	19	–	14	–	1 537	30	229	–	8	–
Officials and administrators; public administration, n.e.c	14 317	3 634	969	424	142	28	12 067	2 873	2 120	667	130	94
Federal public administration and postal service	5 948	1 159	482	165	44	–	5 537	1 085	392	74	19	–
State public administration	3 578	594	172	77	10	–	2 628	540	906	49	44	5
Local public administration	4 791	1 881	315	182	88	28	3 902	1 248	822	544	67	89
Officials of lodges, societies, and unions	4 195	922	353	52	83	27	3 894	878	266	44	35	–
Postmasters and mail superintendents	1 414	481	31	–	–	–	797	37	591	426	26	18
Purchasing agents and buyers, n.e.c	12 853	2 391	261	126	103	14	11 343	2 227	1 470	159	40	5
Railroad conductors	3 577	70	278	12	31	3	3 050	55	504	15	23	–
Restaurant, cafeteria, and bar managers	22 950	6 036	914	490	490	49	20 247	4 532	2 653	1 456	50	48
Sales managers and department heads, retail trade	13 954	4 194	457	200	178	63	12 462	3 643	1 473	535	19	16
Sales managers, except retail trade	21 827	1 153	183	34	118	7	20 027	1 100	1 773	53	27	–
School administrators, college	2 524	997	72	35	23	–	2 065	868	434	124	25	5
School administrators, elementary and secondary	10 514	4 884	341	433	44	45	8 477	4 470	1 980	399	57	15
Managers and administrators, n.e.c., salaried	254 615	39 084	7 123	2 084	2 901	539	225 052	35 991	28 826	2 962	737	131
Construction	19 647	626	434	28	95	10	15 407	505	4 086	121	154	–
Manufacturing	73 548	6 524	1 124	136	449	69	64 591	6 086	8 812	427	145	11
Transportation	14 200	2 728	534	68	99	28	13 196	2 612	984	116	20	–
Communications, and utilities and sanitary services	9 212	1 387	168	119	38	26	8 200	1 287	989	100	23	–
Wholesale trade	26 390	2 753	413	62	203	19	24 307	2 588	2 035	145	48	20
Retail trade	48 653	7 252	1 753	327	1 052	127	41 806	6 331	6 647	857	200	64
Hardware, farm equipment, and building material retailing	2 903	202	32	8	23	–	2 025	161	852	41	26	–
General merchandise stores	6 690	1 808	275	109	102	25	5 976	1 562	679	228	35	18
Food stores	12 224	1 062	552	60	551	53	10 588	881	1 579	173	57	8
Motor vehicles and accessories retailing	5 684	310	83	–	20	–	4 285	250	1 359	56	40	4
Gasoline service stations	2 846	87	203	11	50	–	2 389	74	457	13	–	–
Apparel and accessories stores	5 091	1 629	173	67	114	22	4 836	1 477	255	132	–	20
Furniture, home furnishings, and equipment stores	3 304	447	105	17	40	15	3 012	407	279	36	13	4
Other retail trade	9 911	1 707	330	55	152	12	8 695	1 519	1 187	178	29	10
Finance, insurance, and real estate	19 128	4 098	816	177	405	49	18 060	3 961	1 050	131	18	6
Business and repair services	17 473	3 552	559	145	149	15	16 215	3 452	1 227	95	31	5
Personal services	8 084	1 770	404	139	145	35	7 065	1 449	994	312	25	9
All other industries	18 280	8 394	918	883	266	161	16 205	7 720	2 002	658	73	16

Table 171. **Detailed Occupation of Employed Persons by Residence, Race, 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	The State											
	Total		Negro		Persons of Puerto Rican birth or parentage		Urban and rural residence					
							Urban		Rural nonfarm		Rural farm	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Managers and administrators, except farm—Continued												
Managers and administrators, n.e.c., self-employed	46 187	7 497	1 248	278	1 065	135	37 221	5 617	8 643	1 787	323	93
Construction	6 513	124	215	12	6	7	4 529	92	1 923	32	61	–
Manufacturing	4 600	566	32	20	45	7	4 047	486	510	75	43	5
Transportation	1 147	188	58	–	23	–	933	156	209	32	5	–
Communications, and utilities and sanitary services	186	15	–	–	8	–	155	15	31	–	–	–
Wholesale trade	3 968	290	46	4	27	13	3 520	250	423	40	25	–
Retail trade	19 673	4 126	552	172	879	108	15 603	2 944	3 952	1 107	118	75
Hardware, farm equipment, and building material retailing	1 086	63	13	–	18	–	744	48	322	15	20	–
General merchandise stores	985	374	14	3	7	–	717	182	265	171	3	21
Food stores	6 533	1 447	328	116	717	64	5 573	1 013	917	405	43	29
Motor vehicles and accessories retailing	696	45	–	–	11	–	516	22	175	20	5	3
Gasoline service stations	3 824	101	44	6	13	–	2 458	35	1 346	60	20	6
Apparel and accessories stores	1 115	511	–	5	–	6	1 043	458	72	53	–	–
Furniture, home furnishings, and equipment stores	953	132	10	11	19	14	820	104	133	24	–	4
Other retail trade	4 481	1 453	143	31	94	24	3 732	1 082	722	359	27	12
Finance, insurance, and real estate	2 054	178	17	5	14	–	1 898	157	147	21	9	–
Business and repair services	2 542	440	73	30	–	–	2 110	403	414	37	18	–
Personal services	3 912	1 211	194	35	48	–	3 046	800	831	398	35	13
All other industries	1 592	359	61	–	15	–	1 380	314	203	45	9	–
Managers and administrators, except farm—allocated	22 649	4 622	1 724	507	454	58	20 470	4 146	2 160	454	19	22
Sales workers	**346 737**	**187 550**	**14 249**	**9 928**	**7 703**	**3 157**	**314 983**	**168 221**	**30 716**	**18 357**	**1 038**	**972**
Advertising agents and salesmen	6 540	1 912	176	38	46	9	5 974	1 815	566	92	–	5
Auctioneers	418	8	11	–	–	–	254	5	148	3	16	–
Demonstrators	246	1 533	17	78	7	31	218	1 082	28	423	–	28
Hucksters and peddlers	1 969	3 161	92	123	103	39	1 730	2 154	231	934	8	73
Insurance agents, brokers, and underwriters	32 892	5 102	1 054	218	480	23	29 006	4 629	3 739	424	147	49
Newsboys	4 227	501	133	18	47	8	3 741	329	466	157	20	15
Real estate agents and brokers	12 288	6 241	552	154	106	32	10 820	5 150	1 401	1 036	67	55
Stock and bond salesmen	19 524	2 109	281	94	81	7	18 812	2 052	686	57	26	–
Salesmen and sales clerks, n.e.c	247 043	150 633	10 150	7 614	6 271	2 579	224 510	135 964	21 831	13 996	702	673
Sales representatives, manufacturing industries	45 866	4 436	879	180	426	88	42 533	4 166	3 249	262	84	8
Sales representatives, wholesale trade	59 410	4 562	1 159	347	625	97	54 536	4 233	4 768	292	106	37
Sales clerks, retail trade	95 728	128 844	6 223	6 105	4 434	2 207	87 723	115 871	7 670	12 408	335	565
Salesmen, retail trade	29 805	4 570	1 148	233	661	96	25 020	4 069	4 663	461	122	40
Salesmen of services and construction	16 234	8 221	741	749	125	91	14 698	7 625	1 481	573	55	23
Sales workers—allocated	21 590	16 350	1 783	1 591	562	429	19 918	15 041	1 620	1 235	52	74
Clerical and kindred workers	**475 914**	**1 122 867**	**61 401**	**120 319**	**21 220**	**25 147**	**441 606**	**1 020 933**	**33 188**	**96 974**	**1 120**	**4 960**
Bank tellers	6 625	21 206	1 218	2 292	337	668	6 212	18 516	390	2 554	23	136
Billing clerks	2 401	9 783	286	673	137	264	2 233	8 894	168	843	–	46
Bookkeepers	40 331	130 598	3 458	6 575	920	1 856	37 209	115 833	3 037	13 814	85	951
Cashiers	14 627	59 642	1 631	4 210	848	1 166	13 721	51 761	866	7 571	40	310
Clerical assistants, social welfare	22	70	5	15	–	–	16	66	6	4	–	–
Clerical supervisors, n.e.c.	6 554	6 392	511	807	165	59	6 068	6 056	472	319	14	17
Collectors, bill and account	2 503	1 485	262	175	56	34	2 259	1 366	239	114	5	5
Counter clerks, except food	8 747	11 624	786	1 226	407	241	8 118	10 629	608	974	21	21
Dispatchers and starters, vehicle	6 574	672	501	113	147	12	6 006	622	552	50	16	–
Enumerators and interviewers	1 744	3 401	265	417	85	120	1 602	2 679	117	690	25	32
Estimators and investigators, n.e.c	17 284	11 321	727	1 154	279	225	15 751	10 724	1 471	564	62	33
Expediters and production controllers	15 576	4 745	623	556	221	96	13 412	4 348	2 129	387	35	10
File clerks	14 643	46 683	2 609	8 212	1 012	1 645	14 126	44 244	513	2 308	4	131
Insurance adjusters, examiners, and investigators	8 848	3 123	266	435	32	39	8 096	2 982	746	141	6	–
Library attendants and assistants	3 195	9 680	320	659	64	88	3 008	8 191	182	1 424	5	65
Mail carriers, post office	25 386	1 112	3 284	254	1 093	40	22 993	802	2 284	300	109	10
Mail handlers, except post office	12 724	6 673	1 904	842	782	127	12 293	6 131	410	502	21	40
Messengers, including telegraph, and office boys	13 564	1 519	1 955	273	781	127	13 297	1 488	235	31	32	–
Meter readers, utilities	1 836	86	286	6	65	11	1 523	71	308	15	5	–
Office machine operators	21 300	45 001	3 118	8 270	941	1 258	19 798	41 488	1 480	3 327	22	186
Bookkeeping and billing machine	983	6 174	124	797	25	109	942	5 700	41	430	–	44
Calculating machine	611	4 218	124	401	18	57	600	4 096	11	122	–	–
Computer and peripheral equipment	11 127	3 548	1 410	466	315	76	10 147	3 196	971	333	9	19
Duplicating machine	1 671	1 061	289	76	176	34	1 617	948	54	108	–	5
Keypunch	4 529	26 965	792	6 064	255	907	4 304	24 792	225	2 065	–	108
Tabulating machine	720	427	115	62	27	–	630	398	83	29	7	–
Office machine, n.e.c	1 659	2 608	264	404	125	75	1 558	2 358	95	240	6	10
Payroll and timekeeping clerks	6 015	10 832	468	986	48	160	5 481	9 598	525	1 173	9	61
Postal clerks	32 330	8 929	6 558	3 927	1 471	298	30 872	7 365	1 430	1 501	28	63
Proofreaders	1 314	2 457	70	129	39	21	1 246	2 209	68	243	–	5
Real estate appraisers	1 461	95	28	22	5	–	1 267	84	184	11	10	–
Receptionists	2 730	28 334	408	2 669	154	804	2 655	26 174	75	2 038	–	122
Secretaries	9 432	305 118	611	15 093	161	5 285	8 818	276 422	559	27 405	55	1 291
Shipping and receiving clerks	37 559	5 015	7 095	834	4 488	261	34 338	4 480	3 091	524	130	11
Statistical clerks	14 554	20 429	1 126	2 213	418	361	13 558	18 737	966	1 604	30	88
Stenographers	1 633	14 689	102	1 116	32	239	1 533	12 838	94	1 764	6	87
Stock clerks and storekeepers	33 124	7 708	3 752	902	1 741	192	29 441	6 945	3 562	723	121	40
Teacher aides, except school monitors	1 394	17 591	273	4 591	68	1 169	1 320	15 737	70	1 750	4	104
Telegraph operators	732	360	119	63	19	–	639	348	89	12	4	–
Telephone operators	2 627	43 551	354	9 134	72	854	2 372	40 539	250	2 882	5	130
Ticket, station, and express agents	7 958	5 197	957	702	258	62	7 604	5 075	354	117	–	5
Typists	9 992	115 028	1 755	14 282	487	3 660	9 613	107 456	372	7 179	7	393
Weighers	1 701	559	109	58	57	9	1 395	455	283	99	23	5
Miscellaneous clerical workers	22 321	30 048	1 913	3 974	619	708	20 837	27 930	1 435	2 045	49	73
Not specified clerical workers	27 947	56 485	3 643	8 082	1 435	1 236	26 255	51 419	1 665	4 864	27	202
Clerical and kindred workers—allocated	36 606	75 626	8 045	14 378	1 276	1 752	34 621	70 231	1 903	5 108	82	287

Table 171. **Detailed Occupation of Employed Persons by Residence, Race, 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	The State											
	Total		Negro		Persons of Puerto Rican birth or parentage		Urban and rural residence					
							Urban		Rural nonfarm		Rural farm	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Craftsmen and kindred workers	**824 023**	**41 752**	**62 714**	**5 174**	**24 535**	**1 809**	**679 462**	**35 859**	**139 495**	**5 628**	**5 066**	**265**
Automobile accessories installers	349	30	59	19	21	8	325	30	24	–	–	–
Bakers	11 028	1 715	1 237	134	577	21	10 440	1 291	558	386	30	38
Blacksmiths	641	6	44	–	–	–	433	6	188	–	20	–
Boilermakers	2 302	23	259	–	114	–	2 043	23	252	–	7	–
Bookbinders	2 208	1 987	298	464	331	114	2 070	1 767	138	215	–	5
Brickmasons and stonemasons	12 798	112	1 170	14	117	–	10 257	112	2 495	–	46	–
Bulldozer operators	3 122	32	157	–	6	–	1 634	11	1 446	21	42	–
Cabinetmakers	5 421	113	429	23	384	–	4 738	99	656	14	27	–
Carpenters	56 481	621	3 041	50	961	18	41 429	435	14 449	181	603	5
Carpet installers	3 329	61	397	11	110	–	2 842	57	483	4	4	–
Cement and concrete finishers	3 458	26	413	19	64	–	3 210	26	248	–	–	–
Compositors and typesetters	17 968	1 718	1 493	141	892	84	16 409	1 435	1 517	265	42	18
Cranemen, derrickmen, and hoistmen	8 064	75	880	4	66	–	6 030	61	1 945	14	89	–
Decorators and window dressers	3 763	2 557	184	73	97	12	3 485	2 152	275	384	3	21
Dental laboratory technicians	3 077	426	235	40	163	4	2 929	399	148	27	–	–
Electricians	37 738	620	2 236	64	774	31	31 233	504	6 285	116	220	–
Electric power linemen and cablemen	6 410	87	316	17	34	–	4 625	79	1 737	8	48	–
Electrotypers and stereotypers	610	27	24	3	–	–	558	27	52	–	–	–
Engravers, except photoengravers	846	222	50	13	100	14	753	187	89	29	4	6
Excavating, grading, and road machine operators; except bulldozer	11 879	113	390	–	39	–	6 262	58	5 292	51	325	4
Floor layers, except tile setters	1 798	19	230	5	69	7	1 522	19	272	–	4	–
Foremen, n.e.c	118 511	13 163	6 601	1 514	3 778	686	97 381	11 734	20 404	1 402	726	27
Construction	11 457	124	354	7	35	–	8 445	96	2 867	28	145	–
Manufacturing	63 881	7 529	3 250	818	2 658	577	51 850	6 614	11 650	897	381	18
Durable goods	39 439	2 543	1 691	270	1 304	161	30 990	2 136	8 174	407	275	–
Nondurable goods, including not specified manufacturing	24 442	4 986	1 559	548	1 354	416	20 860	4 478	3 476	490	106	18
Transportation, communications, and other public utilities	16 478	739	809	90	248	8	14 527	706	1 913	33	38	–
All other industries	26 695	4 771	2 188	599	837	101	22 559	4 318	3 974	444	162	9
Forgemen and hammermen	1 053	66	146	–	30	–	782	50	266	16	5	–
Furniture and wood finishers	1 916	212	192	26	158	30	1 719	150	193	62	4	–
Furriers	968	120	39	7	–	–	946	113	22	7	–	–
Glaziers	2 250	34	184	8	76	–	2 061	25	179	4	10	5
Heat treaters, annealers, and temperers	1 116	31	101	15	15	–	899	24	206	7	11	–
Inspectors, scalers, and graders; log and lumber	211	27	11	–	8	–	93	–	113	27	5	–
Inspectors, n.e.c	9 167	564	616	93	119	14	7 933	473	1 169	91	65	–
Construction	936	19	22	–	–	–	740	19	184	–	12	–
Railroads and railway express service	1 733	21	102	–	10	–	1 394	17	327	4	12	–
Jewelers and watchmakers	7 318	766	351	165	546	90	7 116	748	198	18	4	–
Job and die setters, metal	5 877	154	319	7	140	–	4 450	84	1 379	70	48	–
Locomotive engineers	2 831	24	147	11	–	–	2 288	24	539	–	4	–
Locomotive firemen	1 046	5	33	–	–	–	801	5	245	–	–	–
Machinists	24 010	816	1 535	120	666	44	18 918	657	4 937	150	155	9
Mechanics and repairmen	187 188	3 422	16 359	448	6 357	132	150 457	2 737	35 450	645	1 281	40
Air conditioning, heating, and refrigeration	12 075	98	712	11	500	–	10 087	94	1 950	4	38	–
Aircraft	9 293	123	588	14	321	–	8 523	110	760	13	10	–
Automobile body repairmen	6 274	78	708	8	307	12	4 793	56	1 434	19	47	3
Automobile mechanics	63 287	805	7 686	153	2 371	21	48 923	619	13 892	180	472	6
Data processing machine repairmen	3 678	91	172	4	47	–	3 139	86	534	–	5	5
Farm implement	1 464	18	43	–	32	6	674	18	685	–	105	–
Heavy equipment mechanics, including diesel	41 236	804	2 429	76	1 166	37	31 814	628	9 022	163	400	13
Household appliance and accessory installers and mechanics	9 365	185	567	30	303	9	7 856	150	1 464	32	45	3
Loom fixers	170	–	–	–	–	–	117	–	53	–	–	–
Office machine	3 947	64	302	6	86	–	3 378	52	552	12	17	–
Radio and television	10 519	387	1 109	70	480	31	9 070	301	1 414	86	35	–
Railroad and car shop	5 256	28	645	5	111	–	4 588	23	643	5	25	–
Miscellaneous mechanics and repairmen	13 658	505	835	52	281	8	11 577	405	2 046	90	35	10
Not specified mechanics and repairmen	6 966	236	563	19	352	8	5 918	195	1 001	41	47	–
Millers; grain, flour, and feed	248	9	16	–	–	–	143	6	80	–	25	3
Millwrights	4 328	60	43	8	6	–	2 959	44	1 314	12	55	4
Molders, metal	2 738	236	589	18	121	–	2 075	153	620	76	43	7
Motion picture projectionists	1 725	69	63	14	32	–	1 627	65	98	4	–	–
Opticians, and lens grinders and polishers	2 958	705	174	138	99	11	2 694	640	253	57	11	8
Painters, construction and maintenance	26 312	999	2 702	87	1 286	27	23 235	840	3 020	137	57	22
Paperhangers	762	84	20	3	22	–	614	43	142	21	6	20
Pattern and model makers, except paper	2 801	159	63	5	7	17	2 215	141	559	18	27	–
Photoengravers and lithographers	3 744	268	165	31	39	8	3 486	238	258	30	–	–
Piano and organ tuners and repairmen	620	3	37	–	–	–	566	3	54	–	–	–
Plasterers	1 961	37	223	7	74	–	1 817	31	144	6	–	–
Plumbers and pipe fitters	31 744	341	1 445	26	552	35	25 764	267	5 755	74	225	–
Power station operators	1 067	41	86	10	14	–	803	30	258	11	6	–
Pressmen and plate printers, printing	18 645	1 115	1 340	195	821	–	17 116	974	1 467	141	62	–
Rollers and finishers, metal	1 315	83	175	–	21	–	1 048	51	248	32	19	–
Roofers and slaters	4 164	41	286	–	41	–	3 458	38	682	3	24	–
Sheetmetal workers and tinsmiths	9 748	153	347	20	110	–	8 309	127	1 404	26	35	–
Shipfitters	158	11	40	5	–	–	158	5	–	6	–	–
Shoe repairmen	3 745	312	429	22	96	42	3 595	285	144	27	6	–
Sign painters and letterers	1 272	99	51	–	20	–	1 078	76	194	23	–	–
Stationary engineers	11 612	136	627	4	124	8	9 560	126	2 009	10	43	–
Stone cutters and stone carvers	439	51	24	13	15	13	324	40	112	11	3	–
Structural metal craftsmen	5 334	82	132	6	32	–	4 365	74	924	8	45	–
Tailors	12 518	2 129	1 078	214	994	215	12 253	2 050	265	73	–	6
Telephone installers and repairmen	28 062	852	2 390	133	726	14	25 235	781	2 753	71	74	–
Telephone linemen and splicers	4 582	45	319	5	39	6	3 633	36	916	9	33	–
Tile setters	2 169	26	112	–	28	–	1 860	22	304	4	5	–
Tool and die makers	15 885	299	294	21	258	8	12 152	227	3 618	72	115	–
Upholsterers	3 972	274	323	29	98	6	3 409	221	563	48	–	5
Craftsmen and kindred workers, n.e.c	5 879	415	291	22	205	14	5 003	297	858	118	18	–
Former members of the Armed Forces	...	...	...	...	...	...	...	...	...	...	...	...
Craftsmen and kindred workers—allocated	56 734	2 619	8 649	625	1 843	76	49 807	2 321	6 630	286	297	12

Table 171. **Detailed Occupation of Employed Persons by Residence, Race, and Sex: 1970**—Continued

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

The State	The State											
	Total		Negro		Persons of Puerto Rican birth or parentage		Urban and rural residence					
							Urban		Rural nonfarm		Rural farm	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Operatives, except transport	**470 706**	**343 989**	**59 365**	**48 490**	**35 985**	**27 604**	**387 608**	**298 189**	**79 198**	**43 556**	**3 900**	**2 244**
Asbestos and insulation workers	1 148	18	29	–	–	–	989	18	154	–	5	–
Assemblers	35 057	35 488	4 186	4 085	2 188	1 263	27 993	27 346	6 718	7 847	346	295
Blasters and powdermen	273	–	37	–	–	–	180	–	88	–	5	–
Bottling and canning operatives	2 184	815	220	98	149	16	1 817	491	323	284	44	40
Chainmen, rodmen, and axmen, surveying	351	12	12	–	–	–	245	6	106	6	–	–
Checkers, examiners, and inspectors, manufacturing	28 671	19 678	1 737	1 899	527	558	22 577	15 254	5 874	4 241	220	183
Clothing ironers and pressers	11 763	9 044	2 777	4 075	1 054	757	11 559	8 037	204	956	–	51
Cutting operatives, n.e.c	12 558	3 533	1 610	453	1 575	355	10 918	3 053	1 537	464	103	16
Dressmakers and seamstresses, except factory	940	8 003	120	937	53	292	922	7 449	18	544	–	10
Drillers, earth	2 251	160	283	17	59	12	1 274	93	943	61	34	6
Dry wall installers and lathers	3 103	42	116	–	31	–	2 685	34	418	8	–	–
Dyers	1 341	211	220	22	229	12	1 114	177	221	34	6	–
Filers, polishers, sanders, and buffers	7 831	1 257	996	134	1 077	136	6 542	917	1 203	317	86	23
Furnacemen, smeltermen, and pourers	3 634	159	901	18	106	4	2 832	121	762	38	40	–
Garage workers and gas station attendants	17 971	518	2 036	56	597	10	14 024	306	3 819	212	128	–
Graders and sorters, manufacturing	1 029	1 283	136	148	36	94	952	1 041	77	223	–	19
Produce graders and packers, except factory and farm	383	329	57	52	52	34	283	146	78	166	22	17
Heaters, metal	268	–	23	–	–	–	226	–	42	–	–	–
Laundry and drycleaning operatives, n.e.c	8 517	8 307	1 770	2 240	842	503	8 078	7 412	433	861	6	34
Meat cutters and butchers, except manufacturing	21 540	715	1 259	68	711	3	19 011	633	2 457	75	72	7
Meat cutters and butchers, manufacturing	1 691	230	269	22	78	21	1 434	177	245	40	12	13
Meat wrappers, retail trade	254	4 852	39	395	22	106	214	3 971	40	838	–	43
Metal platers	2 274	169	315	26	209	–	1 933	142	335	27	6	–
Milliners	11	279	–	29	–	31	11	265	–	14	–	–
Mine operatives, n.e.c.	1 577	95	59	8	20	6	593	79	912	16	72	–
Mixing operatives	4 736	194	802	37	198	4	3 720	172	959	22	57	–
Oilers and greasers, except auto	2 558	108	208	11	64	7	2 021	74	508	34	29	–
Packers and wrappers, except meat and produce	20 585	27 025	3 648	3 782	3 593	2 255	18 435	23 222	2 018	3 547	132	256
Painters, manufactured articles	6 010	1 139	831	153	802	97	5 011	880	960	248	39	11
Photographic process workers	6 242	2 601	602	257	400	113	5 770	2 350	447	245	25	6
Precision machine operatives	25 000	2 470	1 439	259	494	95	17 720	1 805	6 961	633	319	32
Drill press operatives	3 844	1 094	243	137	131	13	2 623	776	1 146	302	75	16
Grinding machine operatives	7 439	438	620	47	122	24	5 237	293	2 117	145	85	–
Lathe and milling machine operatives	9 422	537	416	32	155	22	6 921	411	2 387	115	114	11
Precision machine operatives, n.e.c.	4 295	401	160	43	86	36	2 939	325	1 311	71	45	5
Punch and stamping press operatives	5 822	2 549	489	181	435	91	4 398	1 758	1 330	729	94	62
Riveters and fasteners	1 179	994	156	75	56	117	1 002	688	168	297	9	9
Sailors and deckhands	3 013	52	455	28	428	11	2 908	46	94	6	11	–
Sawyers	2 737	410	220	35	184	24	1 634	329	1 035	76	68	5
Sewers and stitchers	14 550	101 939	1 809	10 154	2 271	11 568	14 206	95 419	321	6 239	23	281
Shoemaking machine operatives	1 625	1 699	121	125	203	152	1 431	1 341	184	327	10	31
Solderers	1 422	3 795	131	668	239	127	1 269	3 119	143	635	10	41
Stationary firemen	7 635	490	1 050	33	278	18	6 070	460	1 436	30	129	–
Textile operatives	7 372	6 631	1 001	650	977	587	6 452	5 662	880	902	40	67
Carding, lapping, and combing operatives	154	51	27	–	7	–	90	22	64	24	–	5
Knitters, loopers, and toppers	2 064	1 259	199	108	302	86	1 956	1 126	103	133	5	–
Spinners, twisters, and winders	754	1 229	82	61	42	16	613	1 032	136	179	5	18
Weavers	526	476	27	27	33	–	438	372	84	93	4	11
Textile operatives, n.e.c	3 874	3 616	666	454	593	485	3 355	3 110	493	473	26	33
Welders and flamecutters	23 694	1 406	2 368	128	907	58	17 511	955	5 947	409	236	42
Winding operatives, n.e.c	2 514	2 546	95	219	50	39	1 804	1 796	670	721	40	29
Miscellaneous and not specified operatives	129 838	58 381	15 999	9 300	12 962	6 480	104 284	49 499	24 286	8 431	1 268	451
Occupation:												
Machine operatives, miscellaneous specified	46 463	18 614	4 975	2 669	3 795	1 242	35 147	14 884	10 763	3 498	553	232
Machine operatives, not specified	35 593	14 581	5 285	2 859	4 497	1 712	28 486	12 375	6 754	2 139	353	67
Miscellaneous operatives	33 277	14 229	3 953	1 995	2 953	1 215	28 636	12 308	4 400	1 825	241	96
Not specified operatives	14 505	10 957	1 786	1 777	1 717	2 311	12 015	9 932	2 369	969	121	56
Industry:												
Manufacturing	108 557	52 037	13 049	8 148	11 566	6 097	85 794	43 906	21 639	7 750	1 124	381
Durable goods	64 237	23 938	7 632	3 551	5 878	2 347	50 430	19 789	13 117	3 960	690	189
Lumber and wood products, except furniture	1 254	272	126	19	135	27	780	178	438	85	36	9
Furniture and fixtures	2 057	509	163	68	423	58	1 615	421	422	88	20	–
Stone, clay, and glass products	5 021	1 292	544	125	203	50	3 588	1 072	1 293	220	140	–
Primary metal industries	9 518	792	1 450	171	564	51	7 234	601	2 118	188	166	3
Blast furnaces, steel works, and rolling and finishing mills	3 582	118	689	49	126	11	3 033	113	505	5	44	–
Fabricated metal industries, including not specified metal	6 796	1 683	1 138	314	884	179	5 801	1 417	924	246	71	20
Machinery, except electrical	9 252	1 949	802	195	348	52	6 417	1 368	2 735	552	100	29
Electrical machinery, equipment, and supplies	9 147	7 374	847	1 010	962	549	7 294	6 045	1 817	1 262	36	67
Transportation equipment	6 576	956	847	116	234	12	5 290	731	1 248	211	38	14
Motor vehicles and motor vehicle equipment	4 149	673	646	83	103	12	3 278	502	838	166	33	5
Professional and photographic equipment, and watches	6 003	2 515	461	191	263	127	4 811	2 082	1 153	421	39	12
Ordnance	777	187	65	13	32	–	475	137	281	50	21	–
Miscellaneous manufacturing industries	7 569	6 334	1 146	1 312	1 808	1 238	6 912	5 682	639	621	18	31
Durable goods—allocated	267	75	43	17	22	4	213	55	49	16	5	4
Nondurable goods	42 601	26 878	4 996	4 213	5 130	3 428	33 748	22 928	8 442	3 758	411	192
Food and kindred products	8 198	3 107	935	348	669	84	6 132	2 094	1 918	941	148	72
Tobacco manufactures	58	42	8	9	47	7	48	42	10	–	–	–
Apparel and other fabricated textile products	3 395	8 947	520	1 446	818	1 760	3 317	8 526	78	415	–	6
Paper and allied products	10 732	3 697	1 182	699	1 426	279	7 232	3 130	3 344	558	156	9
Printing, publishing, and allied industries	4 911	3 036	598	491	603	209	4 484	2 597	417	417	10	22
Chemicals and allied products	7 286	2 326	728	332	362	127	5 791	1 908	1 454	409	41	9
Petroleum and coal products	315	–	25	–	–	–	281	–	34	–	–	–
Rubber and miscellaneous plastic products	4 668	2 712	754	402	676	252	3 935	2 067	695	611	38	34
Leather and leather products	2 856	2 884	224	469	515	687	2 385	2 454	453	390	18	40
Nondurable goods—allocated	182	127	22	17	14	23	143	110	39	17	–	–
Not specified manufacturing industries	1 719	1 221	421	384	558	322	1 616	1 189	80	32	23	–
Nonmanufacturing industries	21 281	6 344	2 950	1 152	1 396	383	18 490	5 593	2 647	681	144	70
Construction	1 687	60	91	17	76	–	1 225	56	437	4	25	–
Transportation, communications, and other public utilities	5 086	350	605	110	221	19	4 604	310	465	31	17	9
Wholesale and retail trade	7 398	2 946	1 113	440	540	219	6 358	2 641	992	281	48	24
Business and repair services	3 319	688	469	153	234	5	3 044	638	269	45	6	5
Public administration	1 000	170	176	28	37	–	830	141	150	17	20	12
All other industries	2 791	2 130	496	404	288	140	2 429	1 807	334	303	28	20
Operatives, except transport—allocated	37 554	34 363	8 734	7 613	1 829	1 548	33 556	31 446	3 844	2 753	154	164

Table 171. **Detailed Occupation of Employed Persons by Residence, Race, 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	The State											
	Total		Negro		Persons of Puerto Rican birth or parentage		Urban and rural residence					
							Urban		Rural nonfarm		Rural farm	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Transport equipment operatives	**252 912**	**10 383**	**42 968**	**832**	**11 727**	**207**	**213 066**	**7 079**	**37 699**	**2 972**	**2 147**	**332**
Boatmen and canalmen	308	14	18	–	9	–	247	14	57	–	4	–
Bus drivers	22 862	6 080	5 178	212	739	20	19 510	3 591	2 933	2 218	419	271
Conductors and motormen, urban rail transit	5 995	58	3 393	35	182	–	5 967	58	24	–	4	–
Deliverymen and routemen	57 156	1 106	5 670	82	3 256	47	49 343	917	7 471	179	342	10
Fork lift and tow motor operatives	11 282	133	1 407	13	336	–	8 351	74	2 811	56	120	3
Motormen; mine, factory, logging camp, etc	334	10	140	6	9	–	301	10	33	–	–	–
Parking attendants	3 083	78	833	5	374	23	2 957	61	126	17	–	–
Railroad brakemen	2 926	6	94	–	11	–	2 318	–	594	6	14	–
Railroad switchmen	2 332	50	393	6	33	–	2 049	31	272	19	11	–
Taxicab drivers and chauffeurs	37 116	1 058	7 042	202	3 054	66	36 302	945	798	94	16	19
Truck drivers	89 879	1 160	13 427	211	3 056	51	68 321	936	20 440	205	1 118	19
Transport equipment operatives—allocated	19 639	630	5 373	60	668	–	17 400	442	2 140	178	99	10
Laborers, except farm	**236 968**	**16 828**	**37 278**	**2 882**	**9 868**	**769**	**199 524**	**13 685**	**35 751**	**2 897**	**1 693**	**246**
Animal caretakers, except farm	2 292	880	328	37	91	–	1 584	576	657	255	51	49
Carpenters' helpers	1 548	16	156	–	75	–	1 116	12	411	4	21	–
Construction laborers, except carpenters' helpers	40 468	539	5 679	127	782	–	31 344	447	8 634	92	490	–
Fishermen and oystermen	914	30	27	–	11	–	669	19	240	11	5	–
Freight and material handlers	42 326	2 520	7 484	647	2 407	137	37 362	2 039	4 740	459	224	22
Garbage collectors	11 489	132	1 695	22	160	–	10 674	132	775	–	40	–
Gardeners and groundskeepers, except farm	21 141	486	1 953	95	761	14	16 122	396	4 827	66	192	24
Longshoremen and stevedores	7 175	80	1 098	15	241	8	7 099	80	76	–	–	–
Lumbermen, raftsmen, and woodchoppers	1 373	54	23	5	41	–	297	35	992	13	84	6
Stock handlers	38 044	5 756	2 668	617	1 458	167	33 251	4 782	4 617	891	176	83
Teamsters	140	5	13	–	5	–	99	5	36	–	5	–
Vehicle washers and equipment cleaners	7 440	541	1 968	87	385	6	6 400	442	1 012	99	28	–
Warehousemen, n.e.c	5 382	102	804	10	170	–	4 795	87	567	15	20	–
Miscellaneous and not specified laborers	33 383	4 165	6 178	933	2 406	357	27 331	3 348	5 809	772	243	45
Occupation:												
Miscellaneous laborers	11 591	896	2 467	156	391	67	9 619	710	1 890	179	82	7
Not specified laborers	21 792	3 269	3 711	777	2 015	290	17 712	2 638	3 919	593	161	38
Industry:												
Manufacturing	12 858	2 146	2 283	376	958	253	9 994	1 618	2 766	495	98	33
Durable goods	8 598	1 059	1 723	172	473	142	6 890	806	1 636	253	72	–
Lumber and wood products, except furniture	329	26	47	–	21	8	184	16	138	10	7	–
Furniture and fixtures	178	33	20	7	–	–	125	26	53	7	–	–
Stone, clay, and glass products	844	79	121	5	18	–	560	66	275	13	9	–
Primary metal industries	3 019	142	714	41	47	12	2 587	120	414	22	18	–
Blast furnaces, steel works, and rolling and finishing mills	1 990	78	480	32	14	–	1 794	69	192	9	4	–
Fabricated metal industries, including not specified metal	991	187	221	31	117	20	866	163	112	24	13	–
Machinery, except electrical	877	80	125	8	12	14	635	53	237	27	5	–
Electrical machinery, equipment, and supplies	611	193	99	26	21	23	466	129	145	64	–	–
Transportation equipment	909	33	267	–	32	–	802	9	102	24	5	–
Motor vehicles and motor vehicle equipment	622	17	205	–	23	–	529	4	88	13	5	–
Professional and photographic equipment, and watches	278	101	40	16	14	7	234	62	44	39	–	–
Ordnance	41	8	11	–	–	–	23	3	18	5	–	–
Miscellaneous manufacturing industries	408	161	36	22	163	58	337	143	60	18	11	–
Durable goods—allocated	113	16	22	16	28	–	71	16	38	–	4	–
Nondurable goods	4 086	1 039	515	190	421	97	2 945	764	1 115	242	26	33
Food and kindred products	1 379	266	136	45	113	11	810	117	553	136	16	13
Tobacco manufactures	–	–	–	–	–	–	–	–	–	–	–	–
Textile mill products	284	72	40	4	40	–	228	47	56	25	–	–
Apparel and other fabricated textile products	183	192	48	42	69	43	172	192	11	–	–	–
Paper and allied products	652	65	52	6	51	–	415	49	237	16	–	–
Printing, publishing, and allied industries	257	154	38	46	48	–	249	122	8	12	–	20
Chemicals and allied products	712	113	125	28	20	24	568	99	140	14	4	–
Petroleum and coal products	45	5	21	–	–	–	45	5	–	–	–	–
Rubber and miscellaneous plastic products	240	64	19	4	52	–	188	47	52	17	–	–
Leather and leather products	256	105	22	15	28	19	198	86	52	19	6	–
Nondurable goods—allocated	78	3	14	–	–	–	72	–	6	3	–	–
Not specified manufacturing industries	174	48	45	14	64	14	159	48	15	–	–	–
Nonmanufacturing industries	20 525	2 019	3 895	557	1 448	104	17 337	1 730	3 043	277	145	12
Transportation, communications, and other public utilities	7 320	199	1 773	41	329	7	6 366	186	923	13	31	–
Wholesale and retail trade	4 270	598	704	100	317	14	3 440	496	765	95	65	7
Business and repair services	1 577	249	333	107	130	11	1 370	243	200	6	7	–
Public administration	1 853	104	238	53	88	–	1 465	90	388	14	–	–
All other industries	5 505	869	847	256	584	72	4 696	715	767	149	42	5
Laborers, except farm—allocated	23 853	1 522	7 204	287	875	80	21 381	1 285	2 358	220	114	17
Farmers and farm managers	**35 749**	**3 084**	**284**	**278**	**34**	**24**	**2 887**	**688**	**7 370**	**536**	**25 492**	**1 860**
Farmers, owners and tenants	30 559	2 275	50	19	–	–	1 313	158	5 359	367	23 887	1 750
Farm managers	2 191	115	17	7	10	–	453	43	813	41	925	31
Farmers and farm managers—allocated	2 999	694	217	252	24	24	1 121	487	1 198	128	680	79
Farm laborers and farm foremen	**23 655**	**5 150**	**1 552**	**614**	**486**	**53**	**5 058**	**1 375**	**11 650**	**1 880**	**6 947**	**1 895**
Farm foremen	498	51	11	13	–	–	98	34	310	17	90	–
Farm laborers, wage workers	18 915	2 592	1 025	227	417	41	3 453	619	10 259	1 435	5 203	538
Farm laborers, unpaid family workers	1 995	1 466	–	15	–	–	128	85	453	160	1 414	1 221
Farm service laborers, self-employed	112	43	–	12	8	–	74	43	26	–	12	–
Farm laborers and farm foremen—allocated	2 135	998	516	347	61	12	1 305	594	602	268	228	136

Table 171. **Detailed Occupation of Employed Persons by Residence, Race, 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	The State											
	Total		Negro		Persons of Puerto Rican birth or parentage		Urban and rural residence					
							Urban		Rural nonfarm		Rural farm	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Service workers, except private household	**471 932**	**373 794**	**76 371**	**76 176**	**33 194**	**9 044**	**425 690**	**314 885**	**44 714**	**55 636**	**1 528**	**3 273**
Cleaning service workers	125 832	50 341	27 920	13 970	11 910	1 509	109 870	43 500	15 270	6 461	692	380
Chambermaids and maids, except private household	1 121	13 610	332	4 895	238	349	1 008	11 265	109	2 242	4	103
Cleaners and charwomen	35 155	26 124	12 466	7 020	5 255	791	33 766	23 510	1 356	2 426	33	188
Janitors and sextons	89 556	10 607	15 122	2 055	6 417	369	75 096	8 725	13 805	1 793	655	89
Food service workers	113 955	122 017	12 543	10 222	11 756	1 928	104 506	96 319	9 233	24 269	216	1 429
Bartenders	18 519	1 821	1 067	97	482	14	16 264	1 151	2 206	659	49	11
Busboys	6 023	768	427	67	754	42	5 478	639	540	119	5	10
Cooks, except private household	38 427	21 995	6 183	2 343	4 301	311	35 348	15 561	2 995	6 002	84	432
Dishwashers	9 938	2 959	1 136	189	1 229	49	8 635	2 080	1 267	828	36	51
Food counter and fountain workers	7 330	11 930	543	1 021	1 054	200	6 967	9 931	359	1 904	4	95
Waiters	23 263	61 326	1 738	3 824	1 892	817	22 401	49 734	840	10 992	22	600
Food service workers, n.e.c., except private household	10 455	21 218	1 449	2 681	2 044	495	9 413	17 223	1 026	3 765	16	230
Health service workers	18 242	93 098	5 865	31 463	1 336	2 482	15 434	79 196	2 747	13 060	61	842
Dental assistants	250	8 193	32	425	24	294	236	7 302	14	837	–	54
Health aides, except nursing	2 309	9 370	788	2 610	366	281	2 147	8 399	162	921	–	50
Health trainees	150	1 104	2	121	7	49	128	1 019	22	67	–	18
Lay midwives	17	54	–	24	–	–	17	44	–	10	–	–
Nursing aides, orderlies, and attendants	14 683	56 309	4 706	22 515	894	1 397	12 197	47 158	2 435	8 567	51	584
Practical nurses	833	18 068	337	5 768	45	461	709	15 274	114	2 658	10	136
Personal service workers	51 732	60 883	6 939	8 827	3 913	2 089	48 106	53 089	3 508	7 395	118	399
Airline stewardesses	410	5 036	17	160	12	81	400	4 984	10	46	–	6
Attendants, recreation and amusement	4 367	1 217	389	116	156	35	3 773	1 095	569	112	25	10
Attendants, personal service, n.e.c	5 549	6 228	785	971	557	85	5 405	5 898	144	305	–	25
Baggage porters and bellhops	2 203	88	692	36	312	–	2 119	88	78	–	6	–
Barbers	13 720	377	1 405	121	659	16	12 181	331	1 487	46	52	–
Boarding and lodging house keepers	159	355	–	7	–	–	138	264	21	87	–	4
Bootblacks	262	23	73	2	–	–	262	11	–	12	–	–
Child care workers, except private household	905	7 207	202	1 612	34	205	664	5 900	222	1 240	19	67
Elevator operators	10 587	1 214	2 304	555	1 487	33	10 476	1 176	111	38	–	–
Hairdressers and cosmetologists	8 242	28 657	317	3 041	196	1 114	7 778	24 390	455	4 071	9	196
Housekeepers, except private household	3 270	5 483	442	881	305	100	2 922	4 517	341	896	7	70
School monitors	176	2 493	34	219	9	70	167	2 037	9	440	–	16
Ushers, recreation and amusement	1 462	620	129	43	99	15	1 410	613	52	7	–	–
Welfare service aides	420	1 885	150	1 063	87	335	411	1 785	9	95	–	5
Protective service workers	123 336	8 569	12 658	1 527	2 827	157	112 064	8 042	10 925	488	347	39
Crossing guards and bridge tenders	1 624	4 052	139	411	41	88	1 366	3 915	246	127	12	10
Firemen, fire protection	20 443	160	623	10	77	–	19 553	150	871	10	19	–
Guards and watchmen	38 807	2 475	6 949	760	1 628	28	33 602	2 180	4 988	276	217	19
Marshals and constables	259	40	33	14	–	–	234	30	25	10	–	–
Policemen and detectives	59 965	1 657	4 704	308	1 069	35	55 554	1 587	4 323	60	88	10
Sheriffs and bailiffs	2 238	185	210	24	12	6	1 755	180	472	5	11	–
Service workers, except private household—allocated	38 835	38 886	10 446	10 167	1 452	879	35 710	34 739	3 031	3 963	94	184
Private household workers	**3 516**	**77 462**	**1 441**	**38 478**	**194**	**611**	**3 125**	**67 137**	**372**	**9 684**	**19**	**641**
Occupation:												
Child care workers, private household	292	10 232	51	1 599	–	100	223	7 487	61	2 559	8	186
Cooks, private household	206	2 780	69	1 011	–	19	194	2 425	12	332	–	23
Housekeepers, private household	536	8 917	154	4 000	17	58	464	7 802	72	1 056	–	59
Laundresses, private household	70	431	12	152	8	–	70	356	–	70	–	5
Maids and servants, private household	1 957	43 855	844	24 206	160	228	1 729	38 682	217	4 843	11	330
Private household workers—allocated	455	11 247	311	7 510	9	206	445	10 385	10	824	–	38
Living arrangement:												
Living in	494	12 530	156	5 162	–	88	426	11 537	64	898	4	95
Living out	3 022	64 932	1 285	33 316	194	523	2 699	55 600	308	8 786	15	546

Table 171. **Detailed Occupation of Employed Persons by Residence, Race, 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	Standard metropolitan statistical areas							
	Albany–Schenectady–Troy		Binghamton, N.Y.–Pa.		Buffalo		New York	
	Male	Female	Male	Female	Male	Female	Male	Female
Total employed, 16 years old and over	**174 608**	**110 530**	**73 297**	**43 128**	**321 814**	**187 975**	**2 808 504**	**1 798 596**
Professional, technical, and kindred workers	**32 570**	**19 473**	**14 720**	**7 421**	**45 045**	**30 926**	**472 624**	**305 275**
Accountants	2 643	760	777	234	3 390	1 093	49 149	9 903
Architects	265	8	25	5	191	16	4 781	252
Computer specialists	1 025	363	1 308	213	999	235	15 078	4 925
Computer programers	673	304	875	178	588	154	9 611	3 725
Computer systems analysts	311	50	320	35	353	71	4 727	1 049
Computer specialists, n.e.c	41	9	113	–	58	10	740	151
Engineers	6 077	118	4 204	41	8 081	69	53 975	1 013
Aeronautical and astronautical	12	–	47	–	595	9	4 097	19
Chemical	210	15	66	–	606	6	1 615	18
Civil	1 313	10	203	5	1 002	7	9 048	113
Electrical and electronic	1 486	42	1 796	15	1 259	5	14 926	343
Industrial	771	18	720	21	1 390	22	6 522	275
Mechanical	944	–	461	–	1 303	–	6 770	101
Metallurgical and materials	116	–	13	–	192	–	307	9
Mining	6	–	–	–	5	–	31	–
Petroleum	–	–	4	–	13	–	78	5
Sales	183	–	43	–	499	6	2 100	8
Engineers, n.e.c	1 036	33	851	–	1 217	14	8 481	122
Farm management advisors	21	–	14	4	12	7	15	8
Foresters and conservationists	53	5	5	4	19	30	127	58
Home management advisors	–	10	–	11	–	32	13	307
Lawyers and judges	1 401	39	294	29	1 755	69	31 843	1 698
Judges	48	–	9	14	46	5	682	39
Lawyers	1 353	39	285	15	1 709	64	31 161	1 659
Librarians, archivists, and curators	151	430	44	227	154	592	2 563	5 459
Librarians	131	425	44	222	137	588	2 059	5 256
Archivists and curators	20	5	–	5	17	4	504	203
Mathematical specialists	185	91	33	11	148	43	2 018	1 450
Actuaries	23	13	6	–	10	–	565	179
Mathematicians	38	5	22	–	49	15	217	108
Statisticians	124	73	5	11	89	28	1 236	1 163
Life and physical scientists	1 246	198	236	7	1 426	138	6 610	1 957
Agricultural	28	–	14	–	13	–	125	26
Atmospheric and space	23	6	–	–	30	–	193	16
Biological	197	104	10	–	107	56	816	681
Chemists	714	78	173	7	1 189	82	4 291	1 150
Geologists	15	–	–	–	19	–	153	10
Marine	11	–	–	–	–	–	77	4
Physicists and astronomers	244	5	39	–	59	–	920	47
Life and physical, n.e.c	14	5	–	–	9	–	35	23
Operations and systems researchers and analysts	384	47	280	30	429	20	4 656	722
Personnel and labor relations workers	976	468	395	113	1 129	538	12 382	8 306
Physicians, dentists, and related practitioners	2 139	245	624	22	3 786	431	43 756	4 871
Chiropractors	44	16	20	–	81	–	661	40
Dentists	374	18	126	–	620	24	8 804	291
Optometrists	75	–	13	–	90	–	839	31
Pharmacists	463	62	110	8	780	142	6 956	505
Physicians, medical and osteopathic	1 120	132	329	14	2 095	255	25 178	3 773
Podiatrists	14	17	5	–	66	6	674	22
Veterinarians	49	–	21	–	54	4	543	59
Health practitioners, n.e.c	–	–	–	–	–	–	101	150
Registered nurses, dietitians, and therapists	263	4 226	95	1 691	550	6 541	4 284	54 338
Dietitians	4	118	–	56	25	305	311	2 345
Registered nurses	111	3 885	43	1 577	197	5 900	2 122	48 730
Therapists	148	223	52	58	328	336	1 851	3 263
Health technologists and technicians	503	954	80	355	580	1 738	5 795	9 558
Clinical laboratory technologists and technicians	273	510	32	138	285	825	2 459	4 685
Dental hygienists	17	109	–	103	–	139	44	991
Health record technologists and technicians	4	35	6	6	14	31	97	572
Radiologic technologists and technicians	89	141	35	34	85	293	1 457	1 578
Therapy assistants	–	5	–	10	–	12	104	83
Health technologists and technicians, n.e.c	120	154	7	64	196	438	1 634	1 649
Religious workers	755	66	374	32	1 194	187	8 319	1 582
Clergymen	717	4	350	5	1 075	16	7 427	435
Religious workers, n.e.c	38	62	24	27	119	171	892	1 147
Social scientists	563	92	83	17	460	129	8 789	2 858
Economists	428	32	50	5	287	17	6 423	1 185
Political scientists	4	–	–	–	–	–	70	22
Psychologists	69	56	20	12	133	100	1 733	1 404
Sociologists	11	–	–	–	11	8	64	80
Urban and regional planners	38	4	13	–	29	4	410	135
Social scientists, n.e.c	13	–	–	–	–	–	89	32
Social and recreation workers	448	611	168	226	937	1 188	11 743	16 036
Social	335	531	85	213	738	1 039	9 936	14 561
Recreation	113	80	83	13	199	149	1 807	1 475
Teachers, college and university	1 860	721	529	172	2 653	1 037	15 908	7 774
Biology	92	27	13	4	106	41	551	223
Chemistry	107	7	18	–	164	5	536	84
Engineering	120	4	6	–	106	18	515	48
Physics	132	11	26	–	68	–	622	55
Other life and physical sciences	28	–	4	5	16	–	123	25
Mathematics	109	35	29	5	146	33	906	251
Economics	44	–	19	5	82	–	361	62
English	126	57	34	34	192	94	1 319	956
History	74	31	34	5	81	6	554	146
Miscellaneous social sciences	136	22	51	4	169	51	1 046	516
Other specified teachers	404	290	128	74	745	472	3 985	2 611
Not specified teachers	488	237	167	36	778	317	5 390	2 797

Table 171. **Detailed Occupation of Employed Persons by Residence, Race, 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	Standard metropolitan statistical areas							
	Albany–Schenectady–Troy		Binghamton, N.Y.–Pa.		Buffalo		New York	
	Male	Female	Male	Female	Male	Female	Male	Female
Professional, technical, and kindred workers—Continued								
Teachers, except college and university	3 196	7 539	1 390	3 017	6 031	13 336	56 993	105 466
Adult education	72	94	95	57	112	170	1 111	1 219
Elementary school	770	4 332	481	1 799	1 380	7 806	16 783	62 649
Prekindergarten and kindergarten	–	428	12	152	16	746	201	6 950
Secondary school	2 236	2 293	727	796	4 245	3 961	35 013	29 313
Teachers, except college and university, n.e.c	118	392	75	213	278	653	3 885	5 335
Engineering and science technicians	3 718	402	2 052	228	5 222	690	28 221	3 473
Agriculture and biological, except health	134	37	23	5	133	80	424	359
Chemical	390	47	92	11	560	156	1 174	324
Draftsmen	1 345	157	439	114	1 914	112	12 457	1 147
Electrical and electronic engineering	503	12	916	36	773	19	7 960	242
Industrial engineering	145	–	44	8	214	15	419	87
Mechanical engineering	78	–	43	5	187	–	374	10
Mathematical	–	–	–	–	–	–	51	–
Surveyors	202	5	99	10	203	43	1 372	82
Engineering and science, n.e.c	921	144	396	39	1 238	265	3 990	1 222
Technicians, except health, and engineering and science	295	46	100	12	528	44	5 990	458
Airplane pilots	38	–	27	–	145	5	1 811	27
Air traffic controllers	49	–	–	4	87	–	1 190	14
Embalmers	9	–	5	–	5	–	133	16
Flight engineers	13	–	–	–	5	–	455	28
Radio operators	63	–	16	–	95	9	1 044	61
Tool programers, numerical control	9	–	6	–	14	–	116	47
Technicians, n.e.c	114	46	46	8	177	30	1 241	265
Vocational and educational counselors	370	244	58	48	412	257	3 055	3 175
Writers, artists, and entertainers	2 119	779	961	292	2 807	1 117	62 948	32 703
Actors	–	9	–	–	6	4	1 911	1 229
Athletes and kindred workers	121	27	26	–	160	96	1 488	562
Authors	46	31	45	5	75	28	2 748	1 634
Dancers	–	–	–	–	–	8	259	549
Designers	371	71	441	46	548	96	11 401	6 781
Editors and reporters	343	200	115	75	528	194	12 090	9 874
Musicians and composers	215	150	42	45	332	266	6 062	1 815
Painters and sculptors	184	122	23	31	295	232	10 616	4 758
Photographers	267	37	64	19	285	20	5 709	623
Public relations men and publicity writers	240	76	68	37	286	95	5 270	3 014
Radio and television announcers	95	–	27	–	94	11	493	78
Writers, artists, and entertainers, n.e.c	237	56	110	34	198	67	4 901	1 786
Research workers, not specified	632	153	78	30	639	173	5 768	4 282
Professional, technical, and kindred workers—allocated	1 282	858	513	350	1 513	1 176	27 845	22 643
Managers and administrators, except farm	**18 951**	**3 627**	**7 588**	**1 363**	**30 163**	**5 618**	**352 815**	**66 734**
Assessors, controllers, and treasurers; local public administration	83	24	23	19	108	36	455	184
Bank officers and financial managers	800	167	314	91	1 247	257	21 800	3 995
Buyers and shippers, farm products	22	–	13	–	35	–	282	33
Buyers, wholesale and retail trade	388	236	190	99	747	388	14 262	5 925
Credit men	173	69	55	25	269	97	3 053	767
Funeral directors	159	10	56	5	283	24	1 311	77
Health administrators	234	190	44	37	275	228	2 945	2 141
Construction inspectors; public administration	95	–	21	–	152	–	1 088	21
Inspectors, except construction; public administration	208	49	42	–	626	15	4 618	540
Federal public administration and postal service	69	15	20	–	432	5	2 713	192
State public administration	130	34	15	–	132	10	838	108
Local public administration	9	–	7	–	62	–	1 067	240
Managers and superintendents, building	140	30	66	–	211	41	7 474	1 359
Officers, pilots, and pursers; ship	104	–	–	–	52	–	1 450	25
Officials and administrators; public administration, n.e.c	1 334	330	203	57	711	118	8 705	2 127
Federal public administration and postal service	246	46	48	10	217	11	4 638	965
State public administration	949	183	48	–	184	15	1 274	326
Local public administration	139	101	107	47	310	92	2 793	836
Officials of lodges, societies, and unions	203	55	47	8	287	59	3 017	698
Postmasters and mail superintendents	58	28	51	8	66	23	521	37
Purchasing agents and buyers, n.e.c	568	102	388	40	859	89	8 130	1 763
Railroad conductors	226	3	25	–	449	13	2 019	47
Restaurant, cafeteria, and bar managers	940	249	313	154	1 536	711	15 418	2 854
Sales managers and department heads, retail trade	638	196	178	46	1 029	434	9 119	2 546
Sales managers, except retail trade	762	26	192	7	1 691	36	15 862	979
School administrators, college	173	31	28	11	208	78	1 337	573
School administrators, elementary and secondary	472	167	241	75	579	501	6 241	3 215
Managers and administrators, n.e.c., salaried	8 660	1 184	3 937	430	14 577	1 751	179 333	29 623
Construction	1 193	57	361	5	1 604	52	11 339	380
Manufacturing	1 931	83	1 708	108	4 376	196	50 487	5 347
Transportation	415	51	114	5	808	82	11 383	2 324
Communications, and utilities and sanitary services	382	39	131	19	452	55	6 496	1 082
Wholesale trade	847	81	257	45	1 440	114	19 873	2 169
Retail trade	1 924	324	832	75	3 142	539	30 621	4 497
Hardware, farm equipment, and building material retailing	129	–	64	–	197	18	1 303	98
General merchandise stores	228	87	132	4	491	142	4 181	1 132
Food stores	555	56	201	18	805	95	7 847	586
Motor vehicles and accessories retailing	322	27	141	5	578	34	2 501	146
Gasoline service stations	84	7	45	–	197	3	1 748	64
Apparel and accessories stores	108	55	33	24	236	105	3 981	1 076
Furniture, home furnishings, and equipment stores	146	28	52	10	197	25	2 206	260
Other retail trade	352	64	164	14	441	117	6 854	1 135
Finance, insurance, and real estate	409	98	119	53	771	153	15 868	3 342
Business and repair services	485	70	126	16	663	81	14 597	3 137
Personal services	201	81	92	38	451	92	5 754	1 038
All other industries	873	300	197	66	870	387	12 915	6 307

Table 171. **Detailed Occupation of Employed Persons by Residence, Race, 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	Standard metropolitan statistical areas							
	Albany–Schenectady–Troy		Binghamton, N.Y.–Pa.		Buffalo		New York	
	Male	Female	Male	Female	Male	Female	Male	Female
Managers and administrators, except farm—Continued								
Managers and administrators, n.e.c., self-employed	1 945	347	880	199	3 033	547	27 406	3 767
Construction	315	6	197	18	556	5	2 895	67
Manufacturing	92	10	76	–	238	31	3 505	375
Transportation	36	11	13	–	82	15	755	115
Communications, and utilities and sanitary services	6	–	–	–	–	–	142	11
Wholesale trade	144	4	45	–	266	5	2 759	198
Retail trade	977	231	403	138	1 512	378	10 364	1 749
Hardware, farm equipment, and building material retailing	56	12	35	6	55	9	474	20
General merchandise stores	76	12	16	7	46	25	490	125
Food stores	308	60	91	80	496	178	3 874	577
Motor vehicles and accessories retailing	50	–	54	6	66	9	205	4
Gasoline service stations	191	5	93	5	400	6	1 325	21
Apparel and accessories stores	45	22	–	10	62	37	764	254
Furniture, home furnishings, and equipment stores	58	9	19	6	106	10	521	68
Other retail trade	193	111	95	18	281	104	2 711	680
Finance, insurance, and real estate	54	10	14	–	49	5	1 800	142
Business and repair services	138	9	48	5	121	27	1 705	345
Personal services	111	66	68	38	144	81	2 387	500
All other industries	72	–	16	–	65	–	1 094	265
Managers and administrators, except farm—allocated	566	134	281	52	1 133	172	16 969	3 438
Sales workers	**11 427**	**7 503**	**4 303**	**2 953**	**20 643**	**18 735**	**250 508**	**117 115**
Advertising agents and salesmen	140	52	74	18	343	57	5 144	1 616
Auctioneers	13	–	9	–	15	–	227	5
Demonstrators	5	66	–	56	20	167	165	537
Hucksters and peddlers	58	161	52	135	77	324	1 438	1 168
Insurance agents, brokers, and underwriters	1 627	226	550	88	2 328	359	21 208	3 526
Newsboys	185	20	125	24	593	61	2 061	174
Real estate agents and brokers	339	360	153	188	722	552	8 669	3 694
Stock and bond salesmen	237	36	86	–	370	62	17 753	1 918
Salesmen and sales clerks, n.e.c	8 198	5 956	2 981	2 208	15 315	16 132	177 379	92 554
Sales representatives, manufacturing industries	1 298	86	425	51	2 386	260	35 065	3 507
Sales representatives, wholesale trade	2 264	131	751	47	4 445	324	42 017	3 490
Sales clerks, retail trade	2 994	5 268	1 069	1 966	4 959	14 485	71 255	76 958
Salesmen, retail trade	1 215	153	567	62	2 444	457	17 226	2 795
Salesmen of services and construction	427	318	169	82	1 081	606	11 816	5 804
Sales workers—allocated	625	626	273	236	860	1 021	16 464	11 923
Clerical and kindred workers	**17 359**	**48 761**	**5 737**	**13 344**	**24 740**	**65 338**	**357 274**	**792 728**
Bank tellers	164	694	24	241	136	1 483	5 612	13 934
Billing clerks	67	431	39	136	172	778	1 721	6 297
Bookkeepers	1 963	5 427	403	1 589	1 652	7 506	30 438	90 189
Cashiers	456	2 371	135	1 120	505	5 916	11 548	35 227
Clerical assistants, social welfare	–	7	–	–	–	7	16	52
Clerical supervisors, n.e.c	250	294	69	31	276	274	5 019	5 083
Collectors, bill and account	102	154	30	30	119	106	1 854	883
Counter clerks, except food	366	481	128	134	539	848	6 195	7 684
Dispatchers and starters, vehicle	194	18	85	4	416	41	4 873	454
Enumerators and interviewers	52	106	57	162	55	190	1 265	1 781
Estimators and investigators, n.e.c	688	487	228	126	1 147	613	12 471	8 493
Expediters and production controllers	634	111	643	169	1 502	328	7 849	3 321
File clerks	813	3 062	124	226	303	2 046	12 590	36 251
Insurance adjusters, examiners, and investigators	347	74	96	40	542	207	6 399	2 455
Library attendants and assistants	124	545	46	186	254	688	2 114	5 191
Mail carriers, post office	870	49	373	21	1 769	67	17 710	687
Mail handlers, except post office	670	383	107	34	374	362	10 487	4 598
Messengers, including telegraph, and office boys	168	64	26	5	178	37	12 520	1 248
Meter readers, utilities	45	–	40	–	156	6	1 031	40
Office machine operators	880	2 813	398	445	831	2 595	15 935	31 747
Bookkeeping and billing machine	26	278	30	70	43	282	798	4 625
Calculating machine	5	240	6	20	11	327	561	3 257
Computer and peripheral equipment	493	217	279	28	435	260	7 895	2 176
Duplicating machine	69	77	3	17	38	96	1 400	593
Keypunch	162	1 806	55	290	210	1 460	3 492	19 018
Tabulating machine	42	33	–	–	12	27	523	284
Office machine, n.e.c	83	162	25	20	82	143	1 266	1 794
Payroll and timekeeping clerks	236	532	117	157	626	834	3 802	6 458
Postal clerks	989	207	232	76	1 637	416	26 001	6 503
Proofreaders	99	71	9	56	37	103	1 085	1 798
Real estate appraisers	71	–	51	7	76	6	944	64
Receptionists	85	1 052	9	446	146	1 611	2 195	20 354
Secretaries	253	10 734	117	4 018	418	15 343	7 334	217 206
Shipping and receiving clerks	1 073	186	503	75	2 583	391	26 852	3 181
Statistical clerks	568	1 364	164	106	715	1 093	11 355	14 578
Stenographers	165	2 157	9	180	93	1 410	1 205	7 614
Stock clerks and storekeepers	1 397	382	597	86	2 522	637	20 345	4 738
Teacher aides, except school monitors	34	375	10	124	92	1 028	968	12 995
Telegraph operators	6	6	–	–	28	24	561	244
Telephone operators	104	1 435	25	395	129	2 386	1 781	31 976
Ticket, station, and express agents	130	81	9	13	354	192	6 825	4 549
Typists	243	5 715	73	992	467	7 156	8 542	85 141
Weighers	87	14	–	7	350	119	755	274
Miscellaneous clerical workers	816	1 517	215	471	1 073	1 731	17 032	21 323
Not specified clerical workers	985	3 065	298	742	1 409	4 034	22 150	38 741
Clerical and kindred workers—allocated	1 165	2 297	248	694	1 059	2 726	29 895	59 376

Table 171. **Detailed Occupation of Employed Persons by Residence, Race, 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	Standard metropolitan statistical areas							
	Albany–Schenectady–Troy		Binghamton, N.Y.–Pa.		Buffalo		New York	
	Male	Female	Male	Female	Male	Female	Male	Female
Craftsmen and kindred workers	**35 927**	**1 443**	**14 388**	**884**	**75 778**	**3 007**	**481 701**	**25 158**
Automobile accessories installers	11	–	–	–	51	–	213	30
Bakers	310	129	79	88	645	218	8 511	595
Blacksmiths	28	–	–	–	71	–	337	6
Boilermakers	89	8	16	–	219	–	1 548	15
Bookbinders	107	98	55	40	181	225	1 615	1 063
Brickmasons and stonemasons	774	6	213	–	1 098	10	7 045	54
Bulldozer operators	201	–	94	–	316	–	1 113	11
Cabinetmakers	90	–	71	–	246	4	3 925	76
Carpenters	2 683	21	994	28	3 415	33	31 190	313
Carpet installers	117	–	75	5	157	5	2 123	42
Cement and concrete finishers	128	–	30	–	349	11	2 508	10
Compositors and typesetters	900	73	207	69	962	120	12 837	884
Cranemen, derrickmen, and hoistmen	756	14	66	–	2 675	26	2 322	14
Decorators and window dressers	102	80	47	39	256	310	2 700	1 435
Dental laboratory technicians	94	25	24	5	139	50	2 560	263
Electricians	1 600	9	460	28	3 728	58	22 395	387
Electric power linemen and cablemen	342	–	147	–	512	6	3 009	61
Electrotypers and stereotypers	46	–	16	–	106	–	338	27
Engravers, except photoengravers	38	15	21	6	28	5	611	125
Excavating, grading, and road machine operators; except bulldozer	724	–	441	–	868	7	3 826	44
Floor layers, except tile setters	69	–	14	–	81	–	1 273	19
Foremen, n.e.c	4 981	450	2 205	190	12 084	679	64 325	8 958
Construction	614	7	326	–	776	17	5 902	72
Manufacturing	2 586	176	1 393	138	8 345	338	29 994	5 065
Durable goods	1 427	20	1 013	55	6 035	225	15 296	1 424
Nondurable goods, including not specified manufacturing	1 159	156	380	83	2 310	113	14 698	3 641
Transportation, communications, and other public utilities	604	29	158	–	1 053	34	11 402	557
All other industries	1 177	238	328	52	1 910	290	17 027	3 264
Forgemen and hammermen	–	–	60	–	334	4	232	23
Furniture and wood finishers	36	–	28	8	130	37	1 277	80
Furriers	16	–	–	–	15	4	879	109
Glaziers	124	–	13	–	185	–	1 550	23
Heat treaters, annealers, and temperers	53	–	26	–	297	7	183	24
Inspectors, scalers, and graders; log and lumber	5	–	10	–	11	–	51	–
Inspectors, n.e.c	458	25	160	15	1 234	40	5 362	330
Construction	93	–	43	–	70	–	492	19
Railroads and railway express service	176	–	41	–	407	4	647	–
Jewelers and watchmakers	60	12	28	–	213	24	6 524	702
Job and die setters, metal	123	–	136	3	1 268	5	1 524	48
Locomotive engineers	257	–	61	–	686	4	1 053	11
Locomotive firemen	154	–	17	–	375	5	225	–
Machinists	1 495	43	606	14	2 508	46	11 413	410
Mechanics and repairmen	7 761	146	3 360	82	17 066	209	108 179	1 916
Air conditioning, heating, and refrigeration	518	12	139	10	802	11	7 976	63
Aircraft	112	8	19	5	357	5	8 013	93
Automobile body repairmen	290	–	213	–	513	4	3 212	37
Automobile mechanics	2 755	39	1 214	19	5 606	35	35 672	488
Data processing machine repairmen	174	–	125	8	168	–	2 301	53
Farm implement	72	–	22	–	117	–	413	13
Heavy equipment mechanics, including diesel	1 778	37	881	14	5 137	82	20 033	379
Household appliance and accessory installers and mechanics	369	13	187	–	1 005	6	5 410	107
Loom fixers	28	–	–	–	–	–	34	–
Office machine	138	–	92	–	192	4	2 459	27
Radio and television	388	21	152	–	600	9	7 116	220
Railroad and car shop	342	–	49	–	497	–	3 365	23
Miscellaneous mechanics and repairmen	556	11	165	10	1 575	39	7 764	259
Not specified mechanics and repairmen	241	5	102	16	497	14	4 411	154
Millers, grain, flour, and feed	–	–	10	–	114	–	22	6
Millwrights	245	–	35	–	1 811	15	615	9
Molders, metal	114	3	100	8	509	9	553	45
Motion picture projectionists	32	–	15	–	83	5	1 296	54
Opticians, and lens grinders and polishers	50	16	33	5	413	38	1 400	208
Painters, construction and maintenance	1 001	19	298	4	1 390	49	18 258	640
Paperhangers	54	5	5	4	56	6	456	22
Pattern and model makers, except paper	98	–	200	–	461	11	1 084	118
Photoengravers and lithographers	118	5	29	5	214	43	2 789	150
Piano and organ tuners and repairmen	16	–	9	–	32	–	426	3
Plasterers	27	–	53	–	135	9	1 539	17
Plumbers and pipe fitters	1 712	10	472	10	2 936	25	17 833	221
Power station operators	121	–	12	–	63	5	513	19
Pressmen and plate printers, printing	816	59	113	10	1 507	187	13 283	574
Rollers and finishers, metal	41	5	–	6	748	16	185	12
Roofers and slaters	310	–	106	–	267	9	2 221	23
Sheetmetal workers and tinsmiths	522	–	228	–	1 235	3	5 221	89
Shipfitters	–	–	–	–	6	–	134	5
Shoe repairmen	167	–	143	68	139	15	2 860	182
Sign painters and letterers	61	–	5	3	77	4	777	41
Stationary engineers	588	4	173	12	1 448	11	6 082	84
Stone cutters and stone carvers	27	–	53	–	19	22	252	18
Structural metal craftsmen	349	4	88	–	748	9	2 912	65
Tailors	266	19	67	19	228	90	10 988	1 537
Telephone installers and repairmen	976	16	219	5	1 106	51	21 421	592
Telephone linemen and splicers	211	4	72	–	297	13	2 837	18
Tile setters	118	4	38	–	164	–	1 319	22
Tool and die makers	466	13	807	6	2 720	37	5 670	136
Upholsterers	170	–	274	16	159	14	2 554	106
Craftsmen and kindred workers, n.e.c	195	10	188	26	531	7	3 603	212
Former members of the Armed Forces	...	...	...	...	...	...	...	...
Craftsmen and kindred workers—allocated	2 324	93	763	57	3 653	152	37 797	1 817

Table 171. **Detailed Occupation of Employed Persons by Residence, Race, 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	Standard metropolitan statistical areas							
	Albany–Schenectady–Troy		Binghamton, N.Y.–Pa.		Buffalo		New York	
	Male	Female	Male	Female	Male	Female	Male	Female
Operatives, except transport	**20 587**	**9 469**	**10 425**	**8 198**	**56 801**	**21 440**	**242 133**	**213 390**
Asbestos and insulation workers	79	–	15	–	160	11	576	7
Assemblers	1 429	471	1 229	1 565	5 596	3 663	14 431	13 059
Blasters and powdermen	6	–	–	–	31	–	94	–
Bottling and canning operatives	104	34	48	3	150	66	1 192	294
Chainmen, rodmen, and axmen, surveying	15	–	–	6	40	–	153	6
Checkers, examiners, and inspectors, manufacturing	1 166	608	1 430	688	4 360	1 477	9 641	7 367
Clothing ironers and pressers	120	514	26	106	240	734	10 240	5 437
Cutting operatives, n.e.c.	550	92	215	111	1 260	275	7 753	2 007
Dressmakers and seamstresses, except factory	11	239	–	50	28	620	806	5 691
Drillers, earth	66	6	67	4	239	19	724	29
Dry wall installers and lathers	110	3	17	–	129	–	2 257	34
Dyers	37	16	–	5	41	5	821	129
Filers, polishers, sanders, and buffers	204	22	138	23	671	142	3 911	421
Furnacemen, smeltermen, and pourers	190	4	29	10	1 471	35	644	40
Garage workers and gas station attendants	1 035	24	367	13	2 068	53	8 631	194
Graders and sorters, manufacturing	39	31	38	47	97	88	645	656
Produce graders and packers, except factory and farm	6	5	–	–	9	44	244	85
Heaters, metal	20	–	14	–	171	–	12	–
Laundry and drycleaning operatives, n.e.c.	229	440	85	115	380	746	6 546	4 877
Meat cutters and butchers, except manufacturing	700	26	251	14	1 138	80	15 229	445
Meat cutters and butchers, manufacturing	167	18	16	6	133	40	955	99
Meat wrappers, retail trade	17	204	–	100	16	426	150	2 810
Metal platers	44	–	107	24	223	15	1 186	72
Milliners	–	8	–	–	–	4	6	233
Mine operatives, n.e.c.	57	–	26	–	89	10	256	50
Mixing operatives	246	–	135	5	775	21	2 015	124
Oilers and greasers, except auto	181	–	24	–	534	3	1 107	53
Packers and wrappers, except meat and produce	649	854	400	341	1 473	2 171	13 802	16 123
Painters, manufactured articles	224	14	82	14	765	79	3 095	532
Photographic process workers	89	51	137	93	187	177	4 593	1 579
Precision machine operatives	1 632	100	733	66	4 527	364	5 957	721
Drill press operatives	218	20	132	18	580	146	956	287
Grinding machine operatives	384	21	255	–	1 678	92	1 273	87
Lathe and milling machine operatives	639	46	236	30	1 662	94	2 788	131
Precision machine operatives, n.e.c.	391	13	110	18	607	32	940	216
Punch and stamping press operatives	186	57	129	80	1 425	498	1 544	562
Riveters and fasteners	6	14	21	8	228	158	716	303
Sailors and deckhands	49	6	–	–	102	–	2 717	46
Sawyers	150	14	122	18	301	85	766	167
Sewers and stitchers	114	2 411	166	1 589	107	1 579	13 220	82 749
Shoemaking machine operatives	–	7	506	500	–	4	876	600
Solderers	42	69	25	418	191	361	987	1 836
Stationary firemen	336	9	79	10	1 067	26	3 851	352
Textile operatives	564	398	24	20	294	311	4 601	3 826
Carding, lapping, and combing operatives	56	18	–	–	11	–	33	–
Knitters, loopers, and toppers	54	83	–	–	8	49	1 811	866
Spinners, twisters, and winders	52	59	24	9	33	65	285	382
Weavers	106	26	–	–	81	92	208	188
Textile operatives, n.e.c.	296	212	–	11	161	105	2 264	2 390
Welders and flamecutters	1 571	21	312	102	4 271	214	9 145	396
Winding operatives, n.e.c.	315	135	86	182	433	502	540	571
Miscellaneous and not specified operatives	6 775	1 737	2 776	1 355	18 553	5 223	60 418	33 137
Occupation:								
Machine operatives, miscellaneous specified	2 813	648	1 140	590	7 052	2 307	17 640	8 154
Machine operatives, not specified	2 030	360	716	189	5 113	1 189	16 125	8 666
Miscellaneous operatives	1 323	485	628	422	4 199	1 313	19 369	8 246
Not specified operatives	609	244	292	154	2 189	414	7 284	8 071
Industry:								
Manufacturing	5 778	1 429	2 502	1 256	16 602	4 542	46 536	29 336
Durable goods	3 132	533	1 941	724	10 189	2 428	24 722	11 918
Lumber and wood products, except furniture	71	–	45	5	57	43	497	71
Furniture and fixtures	16	–	50	5	102	64	1 148	224
Stone, clay, and glass products	732	129	11	5	993	292	1 148	201
Primary metal industries	275	34	120	33	3 077	135	2 375	297
Blast furnaces, steel works, and rolling and finishing mills	145	23	13	–	2 397	40	332	40
Fabricated metal industries, including not specified metal	177	29	87	12	1 121	238	3 694	900
Machinery, except electrical	563	42	346	81	719	67	2 746	586
Electrical machinery, equipment, and supplies	749	124	648	346	1 229	853	3 819	3 461
Transportation equipment	245	13	53	41	2 418	361	1 914	239
Motor vehicles and motor vehicle equipment	228	13	6	–	1 968	332	558	108
Professional and photographic equipment, and watches	23	16	489	110	136	90	1 304	966
Ordnance	131	25	75	73	15	11	146	27
Miscellaneous manufacturing industries	144	121	17	13	258	274	5 848	4 914
Durable goods—allocated	6	–	–	–	64	–	83	32
Nondurable goods	2 628	892	548	532	6 314	2 099	20 397	16 301
Food and kindred products	392	67	60	61	818	504	3 933	1 036
Tobacco manufactures	–	–	–	–	–	–	48	42
Apparel and other fabricated textile products	105	237	8	60	73	106	2 986	7 570
Paper and allied products	1 160	153	139	29	1 168	628	3 816	1 732
Printing, publishing, and allied industries	194	94	54	57	470	294	3 454	1 690
Chemicals and allied products	652	266	11	20	2 377	165	2 288	1 285
Petroleum and coal products	–	–	–	–	137	–	128	–
Rubber and miscellaneous plastic products	87	60	39	70	1 198	351	2 257	1 327
Leather and leather products	32	10	237	235	53	46	1 392	1 537
Nondurable goods—allocated	6	5	–	–	20	5	95	82
Not specified manufacturing industries	18	4	13	–	99	15	1 417	1 117
Nonmanufacturing industries	997	308	274	99	1 951	681	13 882	3 801
Construction	82	–	69	–	141	4	872	35
Transportation, communications, and other public utilities	133	5	57	–	409	54	3 787	244
Wholesale and retail trade	428	131	91	54	891	299	4 450	1 807
Business and repair services	104	31	44	9	188	34	2 507	518
Public administration	147	60	–	5	74	19	482	49
All other industries	103	81	13	31	248	271	1 784	1 148
Operatives, except transport—allocated	1 057	807	550	507	2 828	1 111	25 080	25 671

499-314 O - 73 - 15

Table 171. Detailed Occupation of Employed Persons by Residence, Race, 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	Standard metropolitan statistical areas							
	Albany–Schenectady–Troy		Binghamton, N.Y.–Pa.		Buffalo		New York	
	Male	Female	Male	Female	Male	Female	Male	Female
Transport equipment operatives	**10 259**	**437**	**3 721**	**306**	**18 223**	**1 185**	**164 583**	**5 045**
Boatmen and canalmen	6	–	–	–	36	–	211	10
Bus drivers	698	238	281	201	937	783	16 623	2 602
Conductors and motormen, urban rail transit	13	–	–	–	–	–	5 945	58
Deliverymen and routemen	2 459	57	867	17	3 941	144	37 228	563
Fork lift and tow motor operatives	724	8	90	3	1 870	10	4 035	36
Motormen; mine, factory, logging camp, etc	5	–	–	–	103	6	194	–
Parking attendants	111	8	10	7	165	–	2 401	34
Railroad brakemen	434	–	55	–	676	–	813	–
Railroad switchmen	85	–	139	3	581	10	1 164	8
Taxicab drivers and chauffeurs	625	29	172	17	819	60	33 371	749
Truck drivers	4 469	74	1 938	38	8 070	130	48 316	663
Transport equipment operatives—allocated	630	23	169	20	1 025	42	14 282	322
Laborers, except farm	**10 334**	**901**	**3 699**	**292**	**21 493**	**1 668**	**144 314**	**8 673**
Animal caretakers, except farm	70	77	69	16	150	81	1 266	431
Carpenters' helpers	101	–	27	5	146	–	728	7
Construction laborers, except carpenters' helpers	2 236	60	815	–	2 528	32	22 973	299
Fishermen and oystermen	5	–	–	–	12	–	850	30
Freight and material handlers	1 767	111	569	34	5 185	253	26 535	1 354
Garbage collectors	278	5	53	–	636	6	9 012	107
Gardeners and groundskeepers, except farm	689	11	283	22	1 259	47	13 001	276
Longshoremen and stevedores	60	–	–	–	71	6	6 954	74
Lumbermen, raftsmen, and woodchoppers	89	–	22	–	45	6	151	19
Stock handlers	1 814	398	726	118	3 834	698	21 849	2 760
Teamsters	4	–	–	–	13	–	69	–
Vehicle washers and equipment cleaners	381	51	115	4	794	29	4 149	253
Warehousemen, n.e.c	349	–	59	13	406	14	3 458	50
Miscellaneous and not specified laborers	1 669	147	638	63	5 145	445	16 589	2 046
Occupation:								
Miscellaneous laborers	760	47	228	14	2 435	143	5 139	395
Not specified laborers	909	100	410	49	2 710	302	11 450	1 651
Industry:								
Manufacturing	832	28	293	44	3 806	231	3 435	957
Durable goods	528	16	182	27	3 196	149	1 841	423
Lumber and wood products, except furniture	11	–	13	–	25	5	84	11
Furniture and fixtures	–	–	4	–	5	–	66	10
Stone, clay, and glass products	60	8	9	–	143	10	148	12
Primary metal industries	104	–	57	–	2 005	66	246	32
Blast furnaces, steel works, and rolling and finishing mills	39	–	6	–	1 646	66	70	3
Fabricated metal industries, including not specified metal	13	–	–	6	277	10	367	109
Machinery, except electrical	170	–	36	5	145	17	111	11
Electrical machinery, equipment, and supplies	122	8	35	16	94	14	161	61
Transportation equipment	28	–	–	–	463	17	276	–
Motor vehicles and motor vehicle equipment	28	–	–	–	423	17	61	–
Professional and photographic equipment, and watches	–	–	23	–	–	–	52	52
Ordnance	12	–	5	–	–	–	11	–
Miscellaneous manufacturing industries	5	–	–	–	35	10	262	109
Durable goods—allocated	3	–	–	–	4	–	57	16
Nondurable goods	304	12	106	17	590	82	1 460	486
Food and kindred products	101	3	33	–	115	18	389	43
Tobacco manufactures	–	–	–	–	–	–	–	–
Textile mill products	34	–	–	–	4	5	123	34
Apparel and other fabricated textile products	5	4	–	–	–	–	159	171
Paper and allied products	100	–	18	5	120	18	109	16
Printing, publishing, and allied industries	27	–	6	–	14	17	193	78
Chemicals and allied products	5	–	6	6	258	–	238	68
Petroleum and coal products	–	–	–	–	15	5	23	–
Rubber and miscellaneous plastic products	10	–	8	6	59	15	84	21
Leather and leather products	22	5	35	–	–	4	84	55
Nondurable goods—allocated	–	–	–	–	5	–	58	–
Not specified manufacturing industries	–	–	5	–	20	–	134	48
Nonmanufacturing industries	837	119	345	19	1 339	214	13 154	1 089
Transportation, communications, and other public utilities	312	17	140	–	526	16	4 779	144
Wholesale and retail trade	228	29	85	9	410	93	2 359	257
Business and repair services	38	10	38	–	117	11	1 106	201
Public administration	87	22	50	–	57	6	1 060	57
All other industries	172	41	32	10	229	88	3 850	430
Laborers, except farm—allocated	822	41	323	17	1 269	51	16 730	967
Farmers and farm managers	**1 445**	**196**	**1 647**	**155**	**1 659**	**130**	**2 334**	**548**
Farmers, owners and tenants	1 235	161	1 377	132	1 312	87	1 051	112
Farm managers	72	7	98	6	122	9	384	39
Farmers and farm managers—allocated	138	28	172	17	225	34	899	397
Farm laborers and farm foremen	**680**	**210**	**750**	**132**	**1 136**	**369**	**3 099**	**852**
Farm foremen	25	4	9	–	46	11	63	9
Farm laborers, wage workers	528	97	579	87	860	204	2 121	249
Farm laborers, unpaid family workers	79	52	103	41	67	83	27	63
Farm service laborers, self-employed	–	–	10	–	6	–	47	40
Farm laborers and farm foremen—allocated	48	57	49	4	157	71	841	491

Table 171. **Detailed Occupation of Employed Persons by Residence, Race, 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	Standard metropolitan statistical areas							
	Albany–Schenectady–Troy		Binghamton, N.Y.–Pa.		Buffalo		New York	
	Male	Female	Male	Female	Male	Female	Male	Female
Service workers, except private household	**14 985**	**16 555**	**6 307**	**7 087**	**26 076**	**36 086**	**334 162**	**207 732**
Cleaning service workers	4 632	2 606	2 159	855	8 946	5 751	81 678	28 458
Chambermaids and maids, except private household	39	630	15	252	19	1 245	821	7 404
Cleaners and charwomen	639	1 430	141	405	1 471	3 125	30 067	15 791
Janitors and sextons	3 954	546	2 003	198	7 456	1 381	50 790	5 263
Food service workers	3 933	6 241	1 237	2 703	5 311	14 512	82 233	54 497
Bartenders	918	50	239	48	1 316	270	11 179	436
Busboys	133	28	54	9	507	72	4 042	467
Cooks, except private household	1 237	1 149	433	587	1 485	2 909	28 502	7 933
Dishwashers	663	153	195	100	832	548	5 126	651
Food counter and fountain workers	216	675	49	189	198	1 120	5 981	5 942
Waiters	333	3 204	119	1 352	531	7 280	20 230	28 548
Food service workers, n.e.c., except private household	433	982	148	418	442	2 313	7 173	10 520
Health service workers	497	3 423	453	1 512	1 122	7 962	11 248	55 006
Dental assistants	–	308	–	117	4	441	213	5 627
Health aides, except nursing	41	259	24	137	186	738	1 731	6 282
Health trainees	10	114	5	5	27	125	56	641
Lay midwives	–	–	5	–	–	–	12	32
Nursing aides, orderlies, and attendants	397	1 786	392	982	863	5 009	8 718	32 427
Practical nurses	49	956	27	271	42	1 649	518	9 997
Personal service workers	1 453	2 449	480	1 181	2 367	4 670	39 952	37 937
Airline stewardesses	–	10	–	–	5	151	385	4 757
Attendants, recreation and amusement	246	86	95	38	318	126	2 594	605
Attendants, personal service, n.e.c	56	169	16	76	71	242	5 023	5 041
Baggage porters and bellhops	31	–	7	–	52	5	1 906	71
Barbers	621	13	234	–	1 028	36	8 704	231
Boarding and lodging house keepers	7	45	–	4	12	37	108	101
Bootblacks	5	–	–	7	11	–	237	11
Child care workers, except private household	54	359	–	147	54	651	439	3 778
Elevator operators	58	42	18	24	164	74	10 052	950
Hairdressers and cosmetologists	198	1 317	60	692	382	2 588	6 666	16 149
Housekeepers, except private household	133	223	31	122	142	420	2 224	2 877
School monitors	–	166	–	42	16	244	112	1 249
Ushers, recreation and amusement	35	–	11	6	107	10	1 164	582
Welfare service aides	9	19	8	23	5	86	338	1 535
Protective service workers	3 445	305	1 405	77	6 996	638	90 032	6 211
Crossing guards and bridge tenders	151	106	88	32	149	396	723	3 025
Firemen, fire protection	777	7	278	–	1 641	17	14 378	113
Guards and watchmen	1 085	77	470	24	2 190	138	25 866	1 640
Marshals and constables	11	6	5	–	11	4	166	30
Policemen and detectives	1 286	94	519	14	2 799	73	47 791	1 301
Sheriffs and bailiffs	135	15	45	7	206	10	1 108	102
Service workers, except private household—allocated	1 025	1 531	573	759	1 334	2 553	29 019	25 623
Private household workers	**84**	**1 955**	**12**	**993**	**57**	**3 473**	**2 957**	**55 346**
Occupation:								
Child care workers, private household	21	468	12	323	20	715	150	4 598
Cooks, private household	–	90	–	16	5	98	184	2 185
Housekeepers, private household	–	160	–	217	6	445	501	6 494
Laundresses, private household	–	9	–	10	–	13	65	262
Maids and servants, private household	59	1 042	–	341	22	1 847	1 624	32 635
Private household workers—allocated	4	186	–	86	4	355	433	9 172
Living arrangement:								
Living in	–	199	–	90	15	329	443	10 520
Living out	84	1 756	12	903	42	3 144	2 514	44 826

Table 171. **Detailed Occupation of Employed Persons by Residence, Race, 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	Standard metropolitan statistical areas—Con.					
	Rochester		Syracuse		Utica–Rome	
	Male	Female	Male	Female	Male	Female
Total employed, 16 years old and over	**218 889**	**136 986**	**148 350**	**92 639**	**76 890**	**47 268**
Professional, technical, and kindred workers	**41 855**	**22 591**	**25 370**	**16 180**	**11 957**	**7 522**
Accountants	2 324	664	1 818	626	602	199
Architects	161	3	258	14	24	–
Computer specialists	1 348	431	688	182	411	49
Computer programers	824	314	406	140	246	38
Computer systems analysts	485	103	241	38	147	6
Computer specialists, n.e.c	39	14	41	4	18	5
Engineers	10 112	120	5 141	31	2 615	38
Aeronautical and astronautical	10	–	11	–	38	–
Chemical	351	–	121	–	17	–
Civil	635	15	611	5	269	4
Electrical and electronic	2 067	29	1 663	5	1 076	17
Industrial	2 417	18	875	–	462	12
Mechanical	1 533	30	673	16	262	–
Metallurgical and materials	51	–	76	–	72	–
Mining	9	–	5	–	–	–
Petroleum	–	–	–	–	–	–
Sales	366	7	334	–	33	–
Engineers, n.e.c	2 673	21	772	5	386	5
Farm management advisors	15	10	11	5	4	–
Foresters and conservationists	11	6	63	6	27	–
Home management advisors	–	19	–	21	–	–
Lawyers and judges	1 189	51	871	19	435	11
Judges	30	–	26	–	16	–
Lawyers	1 159	51	845	19	419	11
Librarians, archivists, and curators	124	577	135	429	51	200
Librarians	116	557	119	429	30	200
Archivists and curators	8	20	16	–	21	–
Mathematical specialists	116	43	40	36	30	–
Actuaries	–	–	–	–	10	–
Mathematicians	28	4	15	13	5	–
Statisticians	88	39	25	23	15	–
Life and physical scientists	1 511	260	547	113	177	12
Agricultural	7	–	9	6	–	–
Atmospheric and space	11	–	5	–	–	–
Biological	87	92	61	36	13	9
Chemists	1 092	156	394	66	71	3
Geologists	–	–	4	–	–	–
Marine	4	–	–	–	–	–
Physicists and astronomers	310	12	69	–	89	–
Life and physical, n.e.c	–	–	5	5	4	–
Operations and systems researchers and analysts	922	50	373	33	282	15
Personnel and labor relations workers	1 168	458	669	245	291	89
Physicians, dentists, and related practitioners	2 359	288	1 639	127	761	57
Chiropractors	48	–	23	–	11	–
Dentists	540	12	264	30	179	13
Optometrists	41	3	21	6	10	–
Pharmacists	343	61	317	48	155	–
Physicians, medical and osteopathic	1 286	202	952	43	373	31
Podiatrists	33	5	23	–	5	–
Veterinarians	68	5	39	–	28	8
Health practitioners, n.e.c	–	–	–	–	–	5
Registered nurses, dietitians, and therapists	223	4 890	187	3 266	121	2 064
Dietitians	6	159	13	81	6	63
Registered nurses	80	4 495	52	3 058	64	1 933
Therapists	137	236	122	127	51	68
Health technologists and technicians	313	994	261	535	95	387
Clinical laboratory technologists and technicians	163	408	121	227	27	96
Dental hygienists	–	214	5	164	–	72
Health record technologists and technicians	–	45	–	34	4	27
Radiologic technologists and technicians	41	114	68	40	25	117
Therapy assistants	11	15	6	–	6	5
Health technologists and technicians, n.e.c	98	198	61	70	33	70
Religious workers	816	121	539	87	280	56
Clergymen	767	3	508	15	280	22
Religious workers, n.e.c	49	118	31	72	–	34
Social scientists	885	118	339	106	96	6
Economists	720	50	198	28	57	–
Political scientists	4	–	11	–	–	–
Psychologists	94	56	81	78	18	–
Sociologists	13	5	5	–	–	–
Urban and regional planners	45	7	34	–	15	6
Social scientists, n.e.c	9	–	10	–	6	–
Social and recreation workers	612	826	360	639	217	334
Social	434	688	267	547	179	334
Recreation	178	138	93	92	38	–
Teachers, college and university	1 996	613	2 101	737	318	135
Biology	55	50	120	28	20	–
Chemistry	73	16	101	13	16	–
Engineering	98	4	76	6	4	6
Physics	147	–	89	6	31	–
Other life and physical sciences	9	5	61	8	6	–
Mathematics	152	31	107	21	26	12
Economics	33	–	37	–	14	–
English	98	88	161	106	33	24
History	74	21	56	20	16	7
Miscellaneous social sciences	161	41	162	35	19	16
Other specified teachers	559	287	601	319	81	48
Not specified teachers	537	70	530	175	52	22

Table 171. **Detailed Occupation of Employed Persons by Residence, Race, 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	Standard metropolitan statistical areas—Con.					
	Rochester		Syracuse		Utica–Rome	
	Male	Female	Male	Female	Male	Female
Professional, technical, and kindred workers—Continued						
Teachers, except college and university	4 178	9 007	2 769	6 955	1 738	3 302
Adult education	152	92	88	76	102	32
Elementary school	1 029	5 375	744	4 115	511	2 040
Prekindergarten and kindergarten	–	552	–	448	5	182
Secondary school	2 760	2 511	1 835	1 965	1 044	917
Teachers, except college and university, n.e.c	237	477	102	351	76	131
Engineering and science technicians	5 381	547	2 779	352	1 799	78
Agriculture and biological, except health	90	52	149	75	41	7
Chemical	275	48	176	29	8	5
Draftsmen	1 775	108	1 079	98	476	35
Electrical and electronic engineering	836	49	718	45	895	11
Industrial engineering	286	19	118	–	70	–
Mechanical engineering	78	–	26	–	37	–
Mathematical	–	–	–	–	–	–
Surveyors	139	–	112	–	27	–
Engineering and science, n.e.c	1 902	271	401	105	245	20
Technicians, except health, and engineering and science	264	44	250	15	269	9
Airplane pilots	35	–	84	–	140	4
Air traffic controllers	40	4	40	–	57	5
Embalmers	10	–	10	–	5	–
Flight engineers	–	4	–	–	–	–
Radio operators	79	9	62	5	22	–
Tool programers, numerical control	24	–	11	–	–	–
Technicians, n.e.c	76	27	43	10	45	–
Vocational and educational counselors	393	233	237	156	102	39
Writers, artists, and entertainers	2 891	1 113	1 873	627	694	201
Actors	14	–	–	9	–	6
Athletes and kindred workers	93	90	126	32	51	25
Authors	30	17	78	17	31	–
Dancers	–	10	–	23	–	8
Designers	733	93	379	48	108	8
Editors and reporters	547	347	281	88	107	57
Musicians and composers	166	161	183	111	29	39
Painters and sculptors	319	155	188	160	60	22
Photographers	433	33	192	40	104	5
Public relations men and publicity writers	208	117	211	37	58	20
Radio and television announcers	62	6	87	5	49	5
Writers, artists, and entertainers, n.e.c	286	84	148	57	97	6
Research workers, not specified	648	128	395	118	97	16
Professional, technical, and kindred workers—allocated	1 895	977	1 027	700	421	225
Managers and administrators, except farm	**21 986**	**3 738**	**15 854**	**2 883**	**7 291**	**1 333**
Assessors, controllers, and treasurers; local public administration	36	27	44	51	10	20
Bank officers and financial managers	1 095	186	671	139	240	56
Buyers and shippers, farm products	45	–	58	–	67	–
Buyers, wholesale and retail trade	581	290	511	204	184	72
Credit men	105	54	155	26	59	22
Funeral directors	141	5	125	10	61	13
Health administrators	187	162	156	100	95	82
Construction inspectors; public administration	80	–	62	4	40	–
Inspectors, except construction; public administration	203	24	147	9	129	–
Federal public administration and postal service	63	16	67	4	83	–
State public administration	73	8	64	5	36	–
Local public administration	67	–	16	–	10	–
Managers and superintendents, building	205	49	144	51	30	11
Officers, pilots, and pursers; ship	9	–	18	–	15	–
Officials and administrators; public administration, n.e.c	491	180	411	92	392	64
Federal public administration and postal service	113	13	126	15	222	14
State public administration	115	41	108	–	79	–
Local public administration	263	126	177	77	91	50
Officials of lodges, societies, and unions	107	30	143	27	66	–
Postmasters and mail superintendents	36	31	54	29	30	27
Purchasing agents and buyers, n.e.c	725	117	391	67	317	30
Railroad conductors	64	–	105	–	24	–
Restaurant, cafeteria, and bar managers	840	288	767	256	307	135
Sales managers and department heads, retail trade	659	188	582	192	294	59
Sales managers, except retail trade	875	16	908	41	245	15
School administrators, college	128	63	125	58	25	16
School administrators, elementary and secondary	558	252	360	130	217	84
Managers and administrators, n.e.c., salaried	11 970	1 333	7 771	1 033	3 128	392
Construction	1 176	28	781	19	308	8
Manufacturing	4 790	213	2 001	108	1 024	51
Transportation	301	65	324	86	121	20
Communications, and utilities and sanitary services	355	27	390	53	63	10
Wholesale trade	1 057	95	979	57	221	27
Retail trade	2 497	335	1 650	266	783	129
Hardware, farm equipment, and building material retailing	178	14	164	–	50	4
General merchandise stores	387	88	222	58	128	28
Food stores	548	48	383	55	193	22
Motor vehicles and accessories retailing	465	17	296	–	131	–
Gasoline service stations	106	–	94	–	27	–
Apparel and accessories stores	154	50	126	52	44	34
Furniture, home furnishings, and equipment stores	160	31	144	37	39	6
Other retail trade	499	87	221	64	171	35
Finance, insurance, and real estate	330	105	512	92	196	50
Business and repair services	459	51	271	81	107	9
Personal services	231	109	233	51	75	45
All other industries	774	305	630	220	230	43

Table 171. **Detailed Occupation of Employed Persons by Residence, Race, 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	Standard metropolitan statistical areas—Con.					
	Rochester		Syracuse		Utica–Rome	
	Male	Female	Male	Female	Male	Female
Managers and administrators, except farm—Continued						
Managers and administrators, n.e.c., self-employed	1 885	287	1 650	267	1 082	211
Construction	361	–	321	9	167	–
Manufacturing	122	9	84	14	65	15
Transportation	14	–	64	6	32	4
Communications, and utilities and sanitary services	3	4	–	–	–	–
Wholesale trade	139	8	165	9	66	6
Retail trade	889	178	743	148	618	146
Hardware, farm equipment, and building material retailing	61	–	38	–	21	–
General merchandise stores	26	20	36	21	20	9
Food stores	332	71	166	48	190	73
Motor vehicles and accessories retailing	63	–	43	3	31	–
Gasoline service stations	231	5	252	–	152	8
Apparel and accessories stores	43	19	29	21	15	18
Furniture, home furnishings, and equipment stores	15	6	45	–	30	–
Other retail trade	118	57	134	55	159	38
Finance, insurance, and real estate	30	5	30	–	11	–
Business and repair services	110	9	60	–	38	5
Personal services	128	39	125	66	55	29
All other industries	89	35	58	15	30	6
Managers and administrators, except farm—allocated	961	156	496	97	234	24
Sales workers	**13 305**	**10 044**	**11 858**	**7 350**	**4 734**	**3 014**
Advertising agents and salesmen	158	45	136	30	109	4
Auctioneers	7	–	7	–	19	–
Demonstrators	14	157	9	108	13	38
Hucksters and peddlers	41	230	87	188	16	68
Insurance agents, brokers, and underwriters	1 352	179	1 578	267	625	63
Newsboys	342	61	175	18	130	3
Real estate agents and brokers	529	219	457	354	168	50
Stock and bond salesmen	386	19	196	19	82	17
Salesmen and sales clerks, n.e.c	9 760	8 550	8 581	5 877	3 404	2 653
Sales representatives, manufacturing industries	1 693	98	1 755	102	526	70
Sales representatives, wholesale trade	2 440	133	2 563	182	849	33
Sales clerks, retail trade	3 385	7 718	2 427	5 126	1 217	2 379
Salesmen, retail trade	1 636	265	1 219	134	576	92
Salesmen of services and construction	606	336	617	333	236	79
Sales workers—allocated	716	584	632	489	168	118
Clerical and kindred workers	**17 488**	**50 034**	**12 101**	**35 951**	**6 076**	**15 702**
Bank tellers	51	1 238	57	643	70	351
Billing clerks	105	590	82	454	47	160
Bookkeepers	1 125	5 333	909	4 271	522	2 173
Cashiers	355	3 735	388	2 467	166	1 173
Clerical assistants, social welfare	–	–	–	–	–	–
Clerical supervisors, n.e.c	273	170	173	132	79	50
Collectors, bill and account	66	62	93	65	47	53
Counter clerks, except food	339	671	263	491	95	165
Dispatchers and starters, vehicle	263	45	188	40	86	–
Enumerators and interviewers	25	140	30	158	20	18
Estimators and investigators, n.e.c	706	483	628	364	159	116
Expediters and production controllers	1 903	333	817	141	407	62
File clerks	156	1 450	156	1 101	51	527
Insurance adjusters, examiners, and investigators	298	53	362	122	201	80
Library attendants and assistants	199	589	162	492	62	152
Mail carriers, post office	1 056	77	730	26	393	5
Mail handlers, except post office	271	427	214	229	93	69
Messengers, including telegraph, and office boys	261	70	79	20	51	14
Meter readers, utilities	137	–	60	–	29	7
Office machine operators	811	2 125	526	1 571	299	684
Bookkeeping and billing machine	9	155	23	174	14	120
Calculating machine	6	184	5	100	–	33
Computer and peripheral equipment	483	259	312	187	182	78
Duplicating machine	44	119	35	45	11	15
Keypunch	151	1 205	93	985	49	354
Tabulating machine	50	26	16	16	21	12
Office machine, n.e.c	68	177	42	64	22	72
Payroll and timekeeping clerks	239	794	231	457	142	301
Postal clerks	791	364	635	128	341	80
Proofreaders	12	99	25	77	13	23
Real estate appraisers	39	–	85	7	27	–
Receptionists	72	1 388	48	845	15	371
Secretaries	401	15 257	146	10 071	110	4 050
Shipping and receiving clerks	1 591	359	1 113	174	588	92
Statistical clerks	400	776	293	754	164	340
Stenographers	44	601	14	452	9	435
Stock clerks and storekeepers	2 367	583	1 299	285	776	166
Teacher aides, except school monitors	99	664	32	378	10	217
Telegraph operators	6	9	27	31	4	–
Telephone operators	125	1 305	71	1 327	60	602
Ticket, station, and express agents	125	58	174	216	67	10
Typists	125	4 512	130	3 259	89	1 442
Weighers	152	22	85	46	38	–
Miscellaneous clerical workers	812	1 363	589	966	279	411
Not specified clerical workers	568	2 107	498	1 870	207	728
Clerical and kindred workers—allocated	1 120	2 182	689	1 821	260	575

Table 171. **Detailed Occupation of Employed Persons by Residence, Race, 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	Standard metropolitan statistical areas—Con.					
	Rochester		Syracuse		Utica–Rome	
	Male	Female	Male	Female	Male	Female
Craftsmen and kindred workers	**48 672**	**2 869**	**30 967**	**1 545**	**16 172**	**692**
Automobile accessories installers	19	–	23	–	–	–
Bakers	412	147	243	149	164	44
Blacksmiths	36	–	14	–	18	–
Boilermakers	112	–	69	–	41	–
Bookbinders	80	92	20	130	10	15
Brickmasons and stonemasons	888	20	425	6	173	2
Bulldozer operators	128	–	147	–	109	–
Cabinetmakers	177	8	130	5	92	–
Carpenters	3 111	37	2 220	18	1 230	22
Carpet installers	257	–	179	–	35	–
Cement and concrete finishers	125	–	105	–	30	–
Compositors and typesetters	688	147	395	73	229	41
Cranemen, derrickmen, and hoistmen	287	5	274	6	141	–
Decorators and window dressers	135	135	163	101	30	51
Dental laboratory technicians	44	39	34	6	27	5
Electricians	2 016	26	1 305	24	647	7
Electric power linemen and cablemen	300	–	304	–	134	–
Electrotypers and stereotypers	36	–	7	–	5	–
Engravers, except photoengravers	67	29	26	5	–	–
Excavating, grading, and road machine operators; except bulldozer	683	12	643	–	417	5
Floor layers, except tile setters	72	–	54	–	25	–
Foremen, n.e.c	9 039	610	4 683	414	2 728	111
Construction	757	3	471	–	213	–
Manufacturing	6 429	345	2 744	255	1 824	76
Durable goods	5 128	259	1 961	147	1 516	18
Nondurable goods, including not specified manufacturing	1 301	86	783	108	308	58
Transportation, communications, and other public utilities	680	32	487	24	211	5
All other industries	1 173	230	981	135	480	30
Forgemen and hammermen	74	5	44	11	85	10
Furniture and wood finishers	75	–	71	22	70	11
Furriers	18	–	23	–	5	–
Glaziers	78	–	135	–	16	–
Heat treaters, annealers, and temperers	64	–	144	–	105	–
Inspectors, scalers, and graders; log and lumber	–	–	5	–	20	–
Inspectors, n.e.c	337	54	415	10	118	–
Construction	43	–	39	–	20	–
Railroads and railway express service	45	–	99	–	12	–
Jewelers and watchmakers	86	–	90	15	79	–
Job and die setters, metal	833	17	608	17	315	–
Locomotive engineers	55	5	179	–	39	–
Locomotive firemen	15	–	81	–	15	–
Machinists	2 092	90	1 035	23	619	13
Mechanics and repairmen	10 460	223	7 333	174	4 322	135
Air conditioning, heating, and refrigeration	515	4	447	–	235	–
Aircraft	61	5	136	3	338	4
Automobile body repairmen	372	–	325	12	171	–
Automobile mechanics	3 109	36	2 715	24	1 318	19
Data processing machine repairmen	136	10	94	–	103	11
Farm implement	73	5	96	–	58	–
Heavy equipment mechanics, including diesel	3 425	55	1 749	51	1 011	41
Household appliance and accessory installers and mechanics	519	10	416	19	201	–
Loom fixers	9	–	20	–	14	–
Office machine	194	6	142	6	102	–
Radio and television	434	12	371	38	266	42
Railroad and car shop	147	–	117	–	37	–
Miscellaneous mechanics and repairmen	1 068	75	477	15	306	14
Not specified mechanics and repairmen	398	5	228	6	162	4
Millers; grain, flour, and feed	18	–	6	–	–	–
Millwrights	327	–	313	–	64	–
Molders, metal	285	36	295	23	126	50
Motion picture projectionists	65	–	33	–	21	–
Opticians, and lens grinders and polishers	640	368	140	–	34	–
Painters, construction and maintenance	1 085	50	820	60	327	24
Paperhangers	9	6	26	4	20	–
Pattern and model makers, except paper	276	3	177	5	58	–
Photoengravers and lithographers	268	22	60	4	27	–
Piano and organ tuners and repairmen	42	–	21	–	4	–
Plasterers	26	–	32	–	29	–
Plumbers and pipe fitters	1 977	9	1 193	16	449	7
Power station operators	28	11	87	–	58	–
Pressmen and plate printers, printing	1 005	101	478	43	158	18
Rollers and finishers, metal	8	5	107	9	102	–
Roofers and slaters	263	–	162	–	91	–
Sheetmetal workers and tinsmiths	1 010	11	369	6	202	3
Shipfitters	6	–	–	–	–	–
Shoe repairmen	92	9	73	5	42	11
Sign painters and letterers	56	11	62	21	27	5
Stationary engineers	996	13	385	–	150	–
Stone cutters and stone carvers	21	11	–	–	6	–
Structural metal craftsmen	246	–	221	–	91	–
Tailors	438	263	37	31	56	32
Telephone installers and repairmen	857	70	748	30	312	–
Telephone linemen and splicers	160	–	124	–	78	–
Tile setters	120	–	130	–	60	–
Tool and die makers	2 126	19	918	6	609	10
Upholsterers	163	21	142	–	40	4
Craftsmen and kindred workers, n.e.c	371	21	186	9	147	26
Former members of the Armed Forces	...	...	...	...	...	...
Craftsmen and kindred workers—allocated	2 789	108	1 996	64	686	30

Table 171. **Detailed Occupation of Employed Persons by Residence, Race, 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	Standard metropolitan statistical areas—Con.					
	Rochester		Syracuse		Utica–Rome	
	Male	Female	Male	Female	Male	Female
Operatives, except transport	**32 174**	**22 893**	**19 534**	**10 949**	**12 707**	**7 784**
Asbestos and insulation workers	137	–	107	–	13	–
Assemblers	3 086	5 169	1 534	2 233	1 192	1 737
Blasters and powdermen	13	–	18	–	–	–
Bottling and canning operatives	216	179	71	34	57	9
Chainmen, rodmen, and axmen; surveying	5	–	27	–	7	–
Checkers, examiners, and inspectors; manufacturing	3 707	2 721	1 576	1 130	1 102	868
Clothing ironers and pressers	606	400	106	328	47	296
Cutting operatives, n.e.c	764	264	289	102	191	85
Dressmakers and seamstresses, except factory	60	418	–	199	6	88
Drillers, earth	97	29	81	11	30	5
Dry wall installers and lathers	184	5	130	–	20	–
Dyers	27	6	25	–	46	–
Filers, polishers, sanders, and buffers	518	86	405	144	639	90
Furnacemen, smeltermen, and pourers	108	3	222	25	228	–
Garage workers and gas station attendants	1 136	5	1 019	44	486	7
Graders and sorters, manufacturing	37	66	32	21	20	37
Produce graders and packers, except factory and farm	13	44	33	10	–	7
Heaters, metal	–	–	19	–	5	–
Laundry and drycleaning operatives, n.e.c	278	483	189	264	133	247
Meat cutters and butchers, except manufacturing	625	39	668	25	363	24
Meat cutters and butchers, manufacturing	115	33	26	–	67	–
Meat wrappers, retail trade	9	294	10	179	5	108
Metal platers	275	13	102	4	84	8
Milliners	5	6	–	8	–	–
Mine operatives, n.e.c	129	9	71	–	44	–
Mixing operatives	479	–	150	11	48	–
Oilers and greasers, except auto	155	6	82	12	58	–
Packers and wrappers, except meat and produce	1 143	1 969	542	1 153	280	460
Painters, manufactured articles	437	65	291	179	103	18
Photographic process workers	846	371	96	120	22	43
Precision machine operatives	2 792	341	1 792	167	1 422	66
Drill press operatives	291	167	283	96	344	44
Grinding machine operatives	667	48	680	45	567	13
Lathe and milling machine operatives	1 030	82	476	21	352	9
Precision machine operatives, n.e.c.	804	44	353	5	159	–
Punch and stamping press operatives	724	433	333	138	240	78
Riveters and fasteners	29	30	35	52	14	24
Sailors and deckhands	3	–	18	–	19	–
Sawyers	93	–	150	6	176	22
Sewers and stitchers	314	2 644	96	744	64	1 188
Shoemaking machine operatives	5	26	23	38	46	120
Solderers	75	606	37	49	10	160
Stationary firemen	313	15	254	4	218	30
Textile operatives	79	123	118	69	312	378
Carding, lapping, and combing operatives	10	–	–	–	5	20
Knitters, loopers, and toppers	6	16	5	–	10	9
Spinners, twisters, and winders	16	37	15	–	128	186
Weavers	5	15	7	15	27	9
Textile operatives, n.e.c	42	55	91	54	142	154
Welders and flamecutters	1 454	195	1 389	81	449	20
Winding operatives, n.e.c	312	295	108	54	111	113
Miscellaneous and not specified operatives	8 763	3 871	6 102	2 558	3 771	1 130
Occupation:						
Machine operatives, miscellaneous specified	4 251	1 696	2 370	1 111	1 410	439
Machine operatives, not specified	2 072	885	1 811	510	1 283	267
Miscellaneous operatives	1 359	788	1 271	624	787	267
Not specified operatives	1 081	502	650	313	291	157
Industry:						
Manufacturing	7 967	3 571	5 432	2 324	3 469	1 063
Durable goods	6 207	2 132	3 521	1 450	2 853	593
Lumber and wood products, except furniture	23	5	64	22	37	–
Furniture and fixtures	50	17	68	7	89	15
Stone, clay, and glass products	235	88	337	348	61	6
Primary metal industries	142	4	602	97	1 110	128
Blast furnaces, steel works, and rolling and finishing mills	14	–	191	10	75	–
Fabricated metal industries, including not specified metal	351	94	179	74	226	21
Machinery, except electrical	881	220	627	102	441	105
Electrical machinery, equipment, and supplies	362	597	733	526	147	144
Transportation equipment	186	84	576	46	216	31
Motor vehicles and motor vehicle equipment	162	79	566	41	5	–
Professional and photographic equipment, and watches	3 720	861	42	65	36	5
Ordnance	20	5	5	4	279	17
Miscellaneous manufacturing industries	194	136	256	159	203	121
Durable goods—allocated	43	21	32	–	8	–
Nondurable goods	1 745	1 429	1 879	868	610	470
Food and kindred products	581	509	594	168	195	59
Tobacco manufactures	5	–	–	–	–	–
Apparel and other fabricated textile products	82	125	17	9	6	118
Paper and allied products	370	275	504	123	313	79
Printing, publishing, and allied industries	281	236	72	147	31	40
Chemicals and allied products	161	69	573	120	20	20
Petroleum and coal products	8	–	–	–	–	–
Rubber and miscellaneous plastic products	239	191	81	173	10	10
Leather and leather products	–	15	19	128	31	144
Nondurable goods—allocated	18	9	19	–	4	–
Not specified manufacturing industries	15	10	32	6	6	–
Nonmanufacturing industries	796	300	670	234	302	67
Construction	110	10	59	4	51	–
Transportation, communications, and other public utilities	118	5	110	17	15	–
Wholesale and retail trade	325	149	249	111	72	30
Business and repair services	107	37	103	21	26	–
Public administration	12	11	17	–	87	–
All other industries	124	88	132	81	51	37
Operatives, except transport—allocated	2 008	1 631	1 158	753	559	318

Table 171. **Detailed Occupation of Employed Persons by Residence, Race, 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	Standard metropolitan statistical areas—Con.					
	Rochester		Syracuse		Utica-Rome	
	Male	Female	Male	Female	Male	Female
Transport equipment operatives	**9 884**	**682**	**8 462**	**481**	**3 899**	**142**
Boatmen and canalmen	10	4	4	–	11	–
Bus drivers	709	486	607	348	324	87
Conductors and motormen, urban rail transit	14	–	10	–	–	–
Deliverymen and routemen	2 398	75	1 903	26	1 134	10
Fork lift and tow motor operatives	1 102	11	828	15	250	–
Motormen; mine, factory, logging camp, etc	16	–	–	–	4	4
Parking attendants	148	10	50	7	20	–
Railroad brakemen	73	–	295	–	27	–
Railroad switchmen	42	–	72	–	25	4
Taxicab drivers and chauffeurs	415	20	320	52	161	11
Truck drivers	4 188	27	3 765	12	1 816	26
Transport equipment operatives—allocated	769	49	608	21	127	–
Laborers, except farm	**11 099**	**1 021**	**7 882**	**809**	**4 137**	**317**
Animal caretakers, except farm	79	25	96	40	53	15
Carpenters' helpers	79	–	70	–	34	–
Construction laborers, except carpenters' helpers	1 879	40	1 334	21	707	–
Fishermen and oystermen	–	–	6	–	–	–
Freight and material handlers	1 756	130	1 369	129	781	38
Garbage collectors	383	6	189	–	114	6
Gardeners and groundskeepers, except farm	815	20	647	13	372	13
Longshoremen and stevedores	13	–	18	–	5	–
Lumbermen, raftsmen, and woodchoppers	58	–	67	6	55	–
Stock handlers	2 736	415	1 717	303	848	115
Teamsters	5	–	–	5	21	–
Vehicle washers and equipment cleaners	527	12	282	43	159	25
Warehousemen, n.e.c	269	11	258	5	161	5
Miscellaneous and not specified laborers	1 332	275	1 162	159	534	100
Occupation:						
Miscellaneous laborers	383	55	394	34	210	32
Not specified laborers	949	220	768	125	324	68
Industry:						
Manufacturing	572	151	616	105	263	45
Durable goods	434	70	416	74	199	28
Lumber and wood products, except furniture	13	–	33	–	5	–
Furniture and fixtures	7	–	9	–	18	–
Stone, clay, and glass products	9	10	55	21	12	–
Primary metal industries	43	4	168	14	62	–
Blast furnaces, steel works, and rolling and finishing mills	–	4	82	–	10	–
Fabricated metal industries, including not specified metal	51	5	21	13	45	5
Machinery, except electrical	43	5	55	–	10	6
Electrical machinery, equipment, and supplies	35	18	31	13	12	9
Transportation equipment	21	–	23	–	5	–
Motor vehicles and motor vehicle equipment	16	–	23	–	–	–
Professional and photographic equipment, and watches	182	19	–	13	6	–
Ordnance	6	–	–	–	7	8
Miscellaneous manufacturing industries	13	9	17	–	11	–
Durable goods—allocated	11	–	4	–	6	–
Nondurable goods	128	81	200	31	64	17
Food and kindred products	61	45	83	10	23	–
Tobacco manufactures	–	–	–	–	–	–
Textile mill products	–	–	15	–	11	6
Apparel and other fabricated textile products	–	–	–	–	–	–
Paper and allied products	7	6	37	–	15	–
Printing, publishing, and allied industries	7	17	–	10	–	–
Chemicals and allied products	27	6	56	11	–	–
Petroleum and coal products	7	–	–	–	–	–
Rubber and miscellaneous plastic products	15	4	9	–	5	–
Leather and leather products	–	–	–	–	10	11
Nondurable goods—allocated	4	3	–	–	–	–
Not specified manufacturing industries	10	–	–	–	–	–
Nonmanufacturing industries	760	124	546	54	271	55
Transportation, communications, and other public utilities	206	9	188	–	74	4
Wholesale and retail trade	194	72	159	19	86	15
Business and repair services	79	5	21	–	22	–
Public administration	128	–	60	5	56	–
All other industries	153	38	118	30	33	36
Laborers, except farm—allocated	1 168	87	667	85	293	–
Farmers and farm managers	**2 793**	**219**	**2 328**	**137**	**2 041**	**289**
Farmers, owners and tenants	2 467	172	2 123	116	1 868	265
Farm managers	222	11	115	5	71	–
Farmers and farm managers—allocated	104	36	90	16	102	24
Farm laborers and farm foremen	**1 965**	**451**	**1 248**	**266**	**930**	**241**
Farm foremen	81	–	20	11	–	–
Farm laborers, wage workers	1 628	282	1 048	118	671	55
Farm laborers, unpaid family workers	152	122	108	56	214	158
Farm service laborers, self-employed	5	–	–	–	13	–
Farm laborers and farm foremen—allocated	99	47	72	81	32	28

Table 171. Detailed Occupation of Employed Persons by Residence, Race, 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	Standard metropolitan statistical areas—Con.					
	Rochester		Syracuse		Utica–Rome	
	Male	Female	Male	Female	Male	Female
Service workers, except private household	**17 620**	**20 239**	**12 691**	**14 284**	**6 929**	**9 221**
Cleaning service workers	5 821	2 431	4 367	1 945	2 120	981
Chambermaids and maids, except private household	52	632	48	497	20	280
Cleaners and charwomen	678	1 094	374	847	204	468
Janitors and sextons	5 091	705	3 945	601	1 896	233
Food service workers	4 606	7 961	3 104	6 147	1 411	3 333
Bartenders	872	102	740	76	446	106
Busboys	445	56	167	36	39	24
Cooks, except private household	1 554	1 224	902	1 332	498	848
Dishwashers	671	320	611	160	183	131
Food counter and fountain workers	214	820	144	693	76	182
Waiters	408	3 808	213	2 952	80	1 558
Food service workers, n.e.c., except private household	442	1 631	327	898	89	484
Health service workers	747	4 911	322	2 739	889	2 992
Dental assistants	19	447	4	237	–	119
Health aides, except nursing	45	286	60	258	18	154
Health trainees	8	22	7	17	16	37
Lay midwives	–	5	–	7	–	–
Nursing aides, orderlies, and attendants	658	3 122	232	1 440	823	2 158
Practical nurses	17	1 029	19	780	32	524
Personal service workers	1 325	2 896	1 125	2 079	636	1 300
Airline stewardesses	4	–	5	25	–	65
Attendants, recreation and amusement	150	80	200	88	46	32
Attendants, personal service, n.e.c	77	219	52	105	35	31
Baggage porters and bellhops	9	–	48	–	5	–
Barbers	527	19	434	22	255	10
Boarding and lodging house keepers	–	8	5	16	5	5
Bootblacks	–	–	–	–	–	–
Child care workers, except private household	56	509	27	260	61	232
Elevator operators	71	4	72	49	63	11
Hairdressers and cosmetologists	245	1 457	157	1 215	79	715
Housekeepers, except private household	133	326	83	214	54	143
School monitors	14	191	–	56	–	29
Ushers, recreation and amusement	29	10	21	–	17	–
Welfare service aides	10	73	21	28	16	27
Protective service workers	3 777	408	2 709	195	1 482	89
Crossing guards and bridge tenders	81	164	30	78	43	54
Firemen, fire protection	741	–	553	4	337	–
Guards and watchmen	1 475	182	1 089	75	446	25
Marshals and constables	26	–	6	–	–	–
Policemen and detectives	1 282	59	896	34	611	5
Sheriffs and bailiffs	172	3	135	4	45	5
Service workers, except private household—allocated	1 344	1 632	1 064	1 179	391	526
Private household workers	**48**	**2 205**	**55**	**1 804**	**17**	**1 011**
Occupation:						
Child care workers, private household	18	518	23	506	4	323
Cooks, private household	–	55	–	65	–	16
Housekeepers, private household	–	219	–	190	5	85
Laundresses, private household	–	12	–	22	–	–
Maids and servants, private household	30	1 037	32	888	8	543
Private household workers—allocated	–	364	–	133	–	44
Living arrangement:						
Living in	6	229	5	180	–	127
Living out	42	1 976	50	1 624	17	884

Table 172. **Occupation of the Experienced Civilian Labor Force by Race and Sex, and Weeks Worked in 1969 and Experienced Workers Not in Labor Force by 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	Total experienced civilian labor force	White	Negro	Persons of Puerto Rican birth or parentage	Weeks worked in 1969 of the experienced civilian labor force: Total	50 to 52 weeks	27 to 49 weeks	1 to 26 weeks	Year last worked of experienced workers not in labor force: 1960-63	1964-68	1969-70
THE STATE											
Male, 16 years old and over	**4 533 845**	**4 056 735**	**428 834**	**167 519**	**4 456 308**	**3 244 106**	**908 682**	**303 520**	**103 927**	**263 977**	**438 323**
Professional, technical, and kindred workers	**739 652**	**694 942**	**33 224**	**6 580**	**732 841**	**537 947**	**154 046**	**40 848**	**6 745**	**19 852**	**45 621**
Accountants	65 286	62 136	2 292	416	64 854	54 474	7 458	2 922	783	1 831	2 338
Architects	6 132	5 679	211	5	6 072	4 839	1 012	221	71	141	279
Computer specialists	25 208	23 579	1 241	194	25 062	21 312	2 764	986	13	138	929
Engineers	104 283	100 408	1 861	322	103 803	90 915	10 132	2 756	1 257	2 739	3 323
Aeronautical and astronautical	5 061	4 947	54	30	5 050	4 431	531	88	10	61	105
Civil	14 957	14 121	397	42	14 882	12 816	1 615	451	264	555	799
Electrical and electronic	27 782	26 644	531	94	27 634	24 621	2 390	623	280	637	797
Mechanical	13 988	13 501	242	39	13 938	12 020	1 434	484	248	446	389
Other engineers	42 495	41 195	637	117	42 299	37 027	4 162	1 110	455	1 040	1 233
Lawyers and judges	40 268	39 694	490	106	40 156	33 169	5 582	1 405	246	699	1 405
Life and physical scientists	14 112	13 139	537	78	14 033	12 004	1 446	583	138	494	653
Chemists	9 364	8 704	352	65	9 313	7 996	960	357	119	349	366
Physicians, dentists, and related practitioners	60 303	57 077	1 293	162	59 989	41 085	16 984	1 920	513	1 543	1 758
Dentists	11 905	11 620	249	14	11 898	6 309	5 294	295	154	345	285
Pharmacists	10 306	10 104	155	52	10 291	8 576	1 389	326	166	525	457
Physicians, medical and osteopathic	33 690	31 003	841	89	33 407	22 908	9 313	1 186	166	590	881
Other related practitioners	4 402	4 350	48	7	4 393	3 292	988	113	27	83	135
Health technologists and technicians	8 471	6 505	1 698	440	8 352	6 044	1 565	743	55	406	996
Religious workers	15 266	14 124	1 027	135	15 128	12 378	2 134	616	133	523	886
Social scientists	12 069	11 513	351	59	11 986	9 298	2 176	512	37	212	442
Social and recreation workers	16 124	12 679	3 189	652	15 865	11 728	2 699	1 438	151	1 065	6 746
Teachers	122 072	116 859	3 973	601	120 791	57 429	53 103	10 259	726	2 082	5 658
College and university	31 725	30 141	737	63	31 347	17 083	11 696	2 568	164	663	1 785
Elementary and prekindergarten	26 675	25 365	1 198	157	26 306	11 204	12 265	2 837	146	419	1 349
Secondary	56 092	54 313	1 553	245	55 667	24 819	26 676	4 172	330	770	1 786
Engineering and science technicians	60 624	57 033	2 856	784	59 968	48 236	8 774	2 958	520	1 861	4 276
Draftsmen and surveyors	26 129	24 467	1 235	334	25 789	20 242	3 985	1 562	264	883	1 974
Electrical and electronic engineering technicians	14 821	13 837	859	242	14 717	12 076	2 217	424	82	240	595
Technicians, except health, and engineering and science	8 749	8 297	390	125	8 719	7 235	1 236	248	59	257	315
Airplane pilots	2 627	2 583	34	–	2 627	2 204	403	20	6	48	84
Writers, artists, and entertainers	84 097	78 839	4 117	1 295	83 252	56 650	19 436	7 166	805	2 568	6 436
Other professional, technical, and kindred workers	96 588	87 381	7 698	1 206	94 811	71 151	17 545	6 115	1 238	3 293	9 181
Managers and administrators, except farm	**517 176**	**494 920**	**17 513**	**7 271**	**513 842**	**443 264**	**59 491**	**11 087**	**9 540**	**23 116**	**20 544**
Buyers, purchasing agents, and sales managers	68 183	66 466	1 290	535	67 910	60 264	6 500	1 146	798	2 392	1 760
School administrators	13 078	12 619	419	67	13 032	8 778	4 078	176	136	344	441
Specified managers and administrators, public administration	25 360	23 654	1 460	233	25 245	22 492	2 218	535	702	1 591	1 592
Other specified managers and administrators	105 445	98 126	5 801	2 405	104 035	86 342	14 209	3 484	2 674	5 903	6 020
Managers and administrators, n.e.c., salaried	258 300	249 155	7 262	2 945	257 177	227 377	25 278	4 522	3 543	9 095	7 797
Manufacturing	74 405	72 928	1 135	457	74 153	67 616	5 693	844	1 183	2 465	1 885
Wholesale and retail trade	75 915	72 835	2 199	1 267	75 606	66 687	7 602	1 317	945	2 591	2 187
Transportation, communications, and other public utilities	23 656	22 758	709	137	23 567	21 121	2 093	353	405	1 087	813
All other industries	84 324	80 634	3 219	1 084	83 851	71 953	9 890	2 008	1 010	2 952	2 912
Managers and administrators, n.e.c., self-employed	46 810	44 900	1 281	1 086	46 443	38 011	7 208	1 224	1 687	3 791	2 934
Construction	6 717	6 486	231	6	6 654	4 426	1 977	251	192	508	507
Manufacturing	4 641	4 571	32	45	4 625	3 736	802	87	252	334	290
Wholesale and retail trade	23 836	23 079	604	927	23 676	20 535	2 643	498	978	2 174	1 281
All other industries	11 616	10 764	414	108	11 488	9 314	1 786	388	265	775	856
Sales workers	**354 386**	**337 322**	**14 769**	**8 072**	**349 146**	**265 062**	**60 281**	**23 803**	**6 649**	**17 196**	**30 299**
Insurance agents, brokers, and underwriters	33 163	31 912	1 087	480	32 887	27 546	4 449	892	623	1 267	980
Real estate agents and brokers	12 492	11 885	557	106	12 364	9 369	2 492	503	308	772	936
Sales representatives, manufacturing industries	46 543	45 410	895	435	46 330	39 328	5 772	1 230	708	1 754	1 721
Sales representatives, wholesale trade	60 248	58 592	1 195	661	59 951	50 005	8 197	1 749	890	2 071	2 109
Sales clerks, retail trade	98 565	91 266	6 496	4 690	96 308	62 176	21 578	12 554	2 331	6 245	14 651
Salesmen, retail trade	30 439	29 162	1 170	698	30 137	23 588	4 912	1 637	520	1 197	2 020
Salesmen of services and construction	16 648	15 803	756	125	16 488	12 591	2 829	1 068	232	554	1 326
Other sales workers	56 288	53 292	2 613	877	54 681	40 459	10 052	4 170	1 037	3 336	6 556
Clerical and kindred workers	**490 927**	**421 823**	**64 258**	**22 343**	**479 380**	**344 259**	**88 633**	**46 488**	**9 579**	**28 180**	**65 533**
Bank tellers and cashiers	21 967	18 608	2 945	1 232	21 243	11 768	5 673	3 802	383	1 542	4 369
Bookkeepers and billing clerks	43 836	39 356	3 869	1 106	43 295	33 232	7 199	2 864	911	2 467	3 790
Mail handlers and postal clerks	72 100	59 463	12 161	3 464	70 990	55 032	10 901	5 057	1 320	3 590	7 582
Other clerical and kindred workers	353 024	304 396	45 283	16 541	343 852	244 227	64 860	34 765	6 965	20 581	49 792
Craftsmen and kindred workers	**859 778**	**789 090**	**66 253**	**25 847**	**848 892**	**624 052**	**186 012**	**38 828**	**24 810**	**57 232**	**60 307**
Apparel craftsmen and upholsterers	18 798	17 145	1 538	1 131	18 545	12 217	5 339	989	1 000	1 944	1 371
Bakers	11 273	9 880	1 286	620	11 145	8 216	2 485	444	578	1 320	1 045
Cabinetmakers	5 555	5 085	443	397	5 470	3 801	1 412	257	230	472	348
Construction craftsmen	217 529	202 575	13 823	4 353	215 192	125 918	75 319	13 955	7 372	17 391	18 414
Carpenters	62 035	58 494	3 326	1 052	61 379	32 925	24 169	4 285	2 352	5 222	5 478
Excavating, grading, and road machine operators	17 914	17 274	602	51	17 835	10 482	6 295	1 058	294	814	1 193
Electricians	38 649	36 100	2 364	781	38 257	29 792	7 112	1 353	772	2 241	1 777
Masons and tile setters	16 979	15 399	1 551	161	16 831	6 860	8 812	1 159	723	1 340	1 213
Painters, construction and maintenance, and paperhangers	30 101	26 933	2 982	1 428	29 563	14 246	12 016	3 301	1 503	3 914	5 378
Plasterers and cement finishers	6 505	5 700	783	149	6 434	2 478	3 336	620	415	602	643
Plumbers and pipe fitters	33 025	31 434	1 514	589	32 728	23 189	8 278	1 261	940	2 377	1 751
Other construction craftsmen	12 321	11 241	701	142	12 165	5 946	5 301	918	373	881	981
Foremen, n.e.c	120 696	113 447	6 798	3 866	120 277	104 940	13 697	1 640	3 076	6 960	4 493
Manufacturing	64 792	61 271	3 338	2 714	64 578	57 545	6 357	676	1 804	3 611	2 196
Nonmanufacturing industries	55 904	52 176	3 460	1 152	55 699	47 395	7 340	964	1 272	3 349	2 297
Linemen and servicemen, telephone and power	39 492	36 228	3 098	824	38 797	30 808	5 745	2 244	575	1 266	1 541
Locomotive engineers and firemen	3 911	3 726	180	–	3 886	2 975	807	104	248	544	241
Mechanics and repairmen	191 271	173 314	16 947	6 685	189 296	148 840	32 235	8 221	3 236	8 681	8 706
Air conditioning, heating, and refrigeration	12 278	11 475	729	500	12 185	9 656	1 997	532	155	457	603
Aircraft	9 498	8 794	622	356	9 448	8 265	1 044	139	93	185	204
Automobile, including body	71 214	62 160	8 688	2 836	70 287	53 705	12 840	3 742	943	3 001	3 159
Radio and television	10 841	9 550	1 163	529	10 724	7 945	2 249	530	154	367	501
Other mechanics and repairmen	87 440	81 335	5 745	2 464	86 652	69 269	14 105	3 278	1 891	4 671	4 239
Metal craftsmen, except mechanics	73 606	69 308	4 088	1 528	73 120	57 936	13 074	2 110	2 359	4 819	3 465
Machinists and job and die setters	30 530	28 551	1 898	834	30 302	24 326	5 048	928	828	2 042	1 407
Sheetmetal workers and tinsmiths	10 008	9 643	347	110	9 969	7 191	2 444	334	256	470	510
Tool and die makers	16 107	15 747	294	258	16 013	13 243	2 394	376	524	1 063	556
Other metal craftsmen	16 961	15 367	1 549	326	16 836	13 176	3 188	472	751	1 244	992
Printing craftsmen	44 140	40 462	3 464	2 208	43 679	33 611	8 237	1 831	950	2 325	2 197
Compositors and typesetters	18 266	16 602	1 553	962	18 033	13 667	3 620	746	408	920	929
Pressmen and plate printers, printing	19 133	17 658	1 411	859	18 973	14 687	3 479	807	433	969	902
Stationary engineers and power station operators	12 904	12 110	726	138	12 840	10 981	1 532	327	626	1 170	768
Other craftsmen and kindred workers	120 603	105 810	13 862	4 097	116 645	83 809	26 130	6 706	4 560	10 340	17 718

Table 172. **Occupation of the Experienced Civilian Labor Force by Race and Sex, and Weeks Worked in 1969 and Experienced Workers Not in Labor Force by 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	Total experienced civilian labor force	White	Negro	Persons of Puerto Rican birth or parentage	Weeks worked in 1969 of the experienced civilian labor force: Total	50 to 52 weeks	27 to 49 weeks	1 to 26 weeks	Year last worked of experienced workers not in labor force: 1960-63	1964-68	1969-70
THE STATE—Continued											
Male, 16 years old and over—Continued											
Operatives, except transport	**496 017**	**426 640**	**63 470**	**38 523**	**485 519**	**333 208**	**116 618**	**35 693**	**16 422**	**36 958**	**47 596**
Assemblers	36 760	32 111	4 500	2 336	36 006	24 523	8 832	2 651	912	2 346	3 799
Checkers, examiners, and inspectors; manufacturing	29 535	27 600	1 798	562	29 287	22 865	5 432	990	824	1 586	1 685
Garage workers and gas station attendants	19 164	16 930	2 199	651	18 122	7 808	5 020	5 294	230	835	3 934
Laundry and drycleaning operatives, n.e.c	8 751	5 772	1 823	917	8 487	5 910	1 922	655	265	891	762
Meat cutters and butchers	23 704	22 014	1 602	818	23 519	19 197	3 484	838	722	1 830	1 333
Mine operatives, n.e.c	1 683	1 611	72	25	1 673	1 167	441	65	103	161	142
Packers and wrappers, except produce	22 256	18 031	4 014	3 872	21 442	13 050	5 454	2 938	587	1 625	4 020
Painters, manufactured articles	6 302	5 396	872	831	6 222	4 268	1 491	463	227	345	468
Precision machine operatives	25 967	24 313	1 555	514	25 664	18 724	5 799	1 141	769	1 889	1 531
Sawyers	2 929	2 662	249	199	2 866	2 000	675	191	72	221	190
Stationary firemen	7 796	6 659	1 078	289	7 776	6 393	1 124	259	528	825	379
Textile operatives	7 863	6 736	1 066	1 048	7 665	5 126	2 052	487	444	643	718
Welders and flamecutters	24 671	21 894	2 605	975	24 445	17 666	5 839	940	578	1 188	1 128
Other metalworking operatives	23 526	20 135	3 200	2 256	23 163	16 576	5 317	1 270	888	1 917	1 636
Other specified operatives	119 308	96 809	19 924	9 321	115 919	72 814	34 487	8 618	5 311	10 883	14 016
Miscellaneous and not specified operatives	135 802	117 967	16 913	13 909	133 263	95 121	29 249	8 893	3 962	9 773	11 855
Occupation:											
Machine operatives, miscellaneous specified	48 579	43 043	5 286	4 094	47 896	35 257	9 958	2 681	1 547	3 762	3 713
Machine operatives, not specified	36 953	31 195	5 523	4 780	36 140	26 081	7 970	2 089	925	2 251	2 813
Miscellaneous operatives	34 994	30 507	4 178	3 167	34 335	23 578	7 744	3 013	1 048	2 520	3 634
Not specified operatives	15 276	13 222	1 926	1 868	14 892	10 205	3 577	1 110	442	1 240	1 695
Industry:											
Manufacturing	113 373	98 801	13 787	12 438	111 314	80 314	24 223	6 777	3 401	8 223	9 137
Durable goods	67 041	58 646	8 018	6 408	65 941	48 144	14 030	3 767	1 991	4 506	5 061
Wood products, including furniture	3 460	3 114	317	593	3 359	2 320	728	311	209	290	383
Primary metal industries	9 936	8 329	1 517	577	9 865	7 383	2 030	452	323	726	719
Fabricated metal industries	7 164	5 950	1 186	1 004	6 967	5 098	1 486	383	191	504	628
Machinery, including electrical	19 017	17 259	1 713	1 441	18 744	13 180	4 374	1 190	443	1 012	1 324
Motor vehicles and equipment	4 410	3 670	702	128	4 365	3 115	1 056	194	132	332	236
Transportation equipment, except motor vehicles	2 565	2 347	212	141	2 521	1 938	528	55	108	228	183
Other durable goods	20 489	17 977	2 371	2 524	20 120	15 110	3 828	1 182	585	1 414	1 588
Nondurable goods	44 511	38 797	5 330	5 451	43 612	31 168	9 534	2 910	1 370	3 545	3 850
Food and kindred products	8 595	7 428	1 019	700	8 401	6 096	1 719	586	321	932	892
Apparel and other fabricated textile products	3 782	3 147	580	868	3 654	2 145	1 247	262	139	368	505
Paper and allied products	11 058	9 804	1 229	1 492	10 864	8 334	1 980	550	292	661	731
Chemicals and allied products	7 464	6 610	761	372	7 399	5 708	1 282	409	155	501	458
Other nondurable goods	13 612	11 808	1 741	2 019	13 294	8 885	3 306	1 103	463	1 083	1 264
Not specified manufacturing industries	1 821	1 358	439	579	1 761	1 002	659	100	40	172	226
Nonmanufacturing industries	22 429	19 166	3 126	1 471	21 949	14 807	5 026	2 116	561	1 550	2 718
Transportation, communications, and other public utilities	5 221	4 536	653	240	5 192	4 029	863	300	161	359	348
Wholesale and retail trade	7 878	6 670	1 170	581	7 652	4 824	1 976	852	234	636	1 045
All other industries	9 330	7 960	1 303	650	9 105	5 954	2 187	964	166	555	1 325
Transport equipment operatives	**262 858**	**216 862**	**44 593**	**12 266**	**258 605**	**179 008**	**62 874**	**16 723**	**5 231**	**15 093**	**22 193**
Bus drivers	23 084	17 805	5 221	759	22 928	16 733	5 403	792	330	1 256	1 121
Taxicab drivers and chauffeurs	38 064	30 606	7 234	3 107	37 425	20 541	13 171	3 713	745	2 540	3 788
Truck drivers and deliverymen	154 071	133 376	20 113	6 723	152 028	108 603	34 213	9 212	2 899	8 546	12 175
Other transport equipment operatives	47 639	35 075	12 025	1 677	46 224	33 131	10 087	3 006	1 257	2 751	5 109
Laborers, except farm	**257 994**	**215 192**	**41 023**	**10 919**	**248 999**	**139 946**	**70 465**	**38 588**	**7 460**	**20 661**	**61 632**
Construction laborers	49 114	41 879	6 931	1 002	48 067	23 442	19 092	5 533	1 761	4 045	9 304
Freight, stock, and material handlers	111 040	95 718	14 782	4 929	106 846	59 966	27 140	19 740	2 213	6 919	25 041
Other specified laborers	61 888	48 574	12 647	2 366	59 236	34 643	15 869	8 724	2 048	5 582	19 399
Miscellaneous and not specified laborers	35 952	29 021	6 663	2 622	34 850	21 895	8 364	4 591	1 438	4 115	7 888
Occupation:											
Miscellaneous laborers	12 124	9 513	2 557	391	11 845	8 154	2 670	1 021	547	1 218	1 803
Not specified laborers	23 828	19 508	4 106	2 231	23 005	13 741	5 694	3 570	891	2 897	6 085
Industry:											
Manufacturing	13 893	11 346	2 472	1 053	13 529	8 323	3 498	1 708	591	1 402	2 505
Durable goods	9 256	7 384	1 843	495	9 033	5 610	2 329	1 094	352	798	1 528
Wood products, including furniture	551	484	67	21	533	316	123	94	6	29	134
Metal industries	4 361	3 349	1 004	168	4 279	2 782	1 008	489	171	379	732
Machinery, including electrical	1 575	1 334	236	37	1 522	887	473	162	58	129	248
Transportation equipment	972	690	282	32	937	654	191	92	64	104	95
Other durable goods	1 797	1 527	254	237	1 762	971	534	257	53	157	319
Nondurable goods	4 412	3 804	565	494	4 279	2 609	1 082	588	199	422	817
Food and kindred products	1 514	1 331	162	148	1 472	877	354	241	72	174	273
Not specified manufacturing industries	225	158	64	64	217	104	87	26	40	182	160
Nonmanufacturing industries	22 059	17 675	4 191	1 569	21 321	13 572	4 866	2 883	847	2 713	5 383
Railroads and railway express service	2 034	1 473	529	85	1 998	1 494	392	112	156	359	297
Transportation, except railroads	2 480	1 574	896	160	2 435	1 825	466	144	76	238	219
Communications, and utilities and sanitary services	3 098	2 666	420	99	3 035	2 297	497	241	142	325	467
Wholesale and retail trade	4 636	3 806	785	343	4 417	2 321	1 111	985	130	595	1 307
All other industries	9 811	8 156	1 561	882	9 436	5 635	2 400	1 401	343	1 196	3 093
Farmers and farm managers	**35 998**	**35 638**	**304**	**34**	**35 672**	**32 512**	**2 271**	**889**	**1 718**	**3 572**	**2 977**
Farm laborers and farm foremen	**25 012**	**23 086**	**1 721**	**576**	**24 027**	**15 494**	**4 390**	**4 143**	**802**	**2 373**	**8 377**
Paid farm laborers and farm foremen	22 839	20 952	1 697	570	22 000	13 995	4 108	3 897	754	2 246	7 429
Unpaid family workers	2 173	2 134	24	6	2 027	1 499	282	246	48	127	948
Service workers, except private household[1]	**488 197**	**397 591**	**79 702**	**34 631**	**475 818**	**327 265**	**102 700**	**45 853**	**14 776**	**39 265**	**72 526**
Cleaning service workers	130 204	100 394	29 022	12 369	127 013	89 101	26 543	11 369	4 695	12 440	16 899
Food service workers	119 951	98 180	13 396	12 364	115 667	63 181	33 566	18 920	3 232	10 384	24 070
Cooks, except private household	40 291	29 893	6 537	4 506	39 228	24 067	10 768	4 393	1 209	3 337	5 102
Busboys and dishwashers	17 242	15 133	1 752	2 171	15 922	5 349	4 583	5 990	388	1 746	7 589
Health service workers	18 625	12 486	5 998	1 361	18 230	12 956	3 557	1 717	409	1 274	2 163
Personal service workers	53 614	45 896	7 252	4 032	52 526	34 939	12 252	5 335	2 094	5 287	13 335
Protective service workers	124 860	111 589	13 008	2 903	123 816	102 191	17 206	4 419	2 759	6 721	6 450
Firemen, fire protection	20 522	19 885	623	86	20 491	18 770	1 617	104	363	902	531
Guards and watchmen	40 003	32 596	7 249	1 695	39 287	27 822	8 099	3 366	1 675	4 028	4 244
Policemen and detectives	60 188	55 366	4 754	1 069	59 940	52 588	6 672	680	555	1 460	1 369
Private household workers	**3 709**	**1 985**	**1 543**	**219**	**3 567**	**2 089**	**901**	**577**	**195**	**479**	**718**
Unemployed persons, last worked 1959 or earlier[2]	**2 141**	**1 644**	**461**	**238**	...	...	...	...	...	...	...

[1]Includes allocated cases not shown separately. [2]See text for explanation.

Table 172. **Occupation of the Experienced Civilian Labor Force by Race and Sex, and Weeks Worked in 1969 and Experienced Workers Not in Labor Force by 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	Total experienced civilian labor force	White	Negro	Persons of Puerto Rican birth or parentage	Weeks worked in 1969 of the experienced civilian labor force: Total	50 to 52 weeks	27 to 49 weeks	1 to 26 weeks	Year last worked of experienced workers not in labor force: 1960-63	1964-68	1969-70
THE STATE—Continued											
Female, 16 years old and over	**2 865 787**	**2 466 362**	**368 464**	**79 915**	**2 738 033**	**1 502 740**	**819 523**	**415 770**	**261 205**	**606 570**	**637 955**
Professional, technical, and kindred workers	**475 958**	**426 240**	**43 056**	**5 110**	**462 472**	**216 106**	**178 009**	**68 357**	**30 614**	**75 570**	**87 511**
Accountants	15 111	13 514	1 254	169	14 751	10 686	2 671	1 394	923	2 122	1 664
Computer specialists	7 290	6 625	509	17	7 184	5 061	1 360	763	165	617	644
Librarians	9 202	8 634	437	15	8 981	4 374	3 398	1 209	450	1 133	1 233
Mathematical specialists	1 739	1 585	73	8	1 730	1 307	294	129	167	274	207
Life and physical scientists	3 022	2 607	226	33	2 988	2 024	622	342	325	620	384
Registered nurses, dietitians, and therapists	91 435	75 111	14 595	1 103	89 165	48 256	28 047	12 862	6 045	15 279	13 635
Dietitians	3 684	2 259	1 140	117	3 563	2 246	928	389	302	574	391
Registered nurses	82 814	68 254	13 141	932	80 825	43 406	25 705	11 714	5 495	13 979	12 552
Health technologists and technicians	16 735	13 956	2 402	422	16 342	10 245	4 206	1 891	1 163	2 893	2 353
Social scientists	3 484	3 299	148	57	3 417	1 967	1 163	287	80	287	353
Social and recreation workers	22 182	17 118	4 827	779	21 616	13 660	5 261	2 695	1 071	3 638	9 643
Teachers: College and university	13 521	12 743	528	63	13 111	4 689	6 416	2 006	424	1 272	2 058
Elementary and prekindergarten	115 577	108 746	6 323	662	113 075	32 942	60 981	19 152	8 866	21 991	22 864
Secondary	48 905	46 711	2 003	229	47 975	14 192	26 045	7 738	2 991	8 119	8 610
Other teachers	10 742	9 848	769	78	10 471	3 163	5 093	2 215	533	1 483	2 149
Engineering and science technicians	7 384	6 706	480	41	7 232	4 665	1 677	890	642	1 467	1 099
Technicians, except health, and engineering and science	737	664	56	–	731	458	182	91	16	91	76
Writers, artists, and entertainers	41 795	39 827	1 344	551	40 757	21 230	12 556	6 971	2 497	5 731	7 834
Actors and dancers	2 813	2 582	178	84	2 712	547	1 028	1 137	108	458	722
Authors, editors, and reporters	13 811	13 441	281	75	13 533	8 167	3 683	1 683	663	1 657	1 813
Other professional, technical, and kindred workers	67 097	58 546	7 082	883	62 946	37 187	18 037	7 722	4 256	8 553	12 705
Managers and administrators, except farm	**99 337**	**92 118**	**6 286**	**1 275**	**97 371**	**71 901**	**19 388**	**6 082**	**5 981**	**13 680**	**13 180**
Buyers, purchasing agents, and sales managers	16 061	15 303	685	154	15 861	12 097	2 775	989	1 230	2 331	1 711
Restaurant, cafeteria, and bar managers	6 219	5 638	490	49	6 100	3 704	1 986	410	529	1 372	962
School administrators	5 904	5 398	468	45	5 828	3 118	2 518	192	271	493	526
Other specified managers and administrators	23 434	20 972	2 251	331	22 565	16 812	4 032	1 721	1 354	3 128	4 718
Managers and administrators, n.e.c., salaried	40 136	37 706	2 114	554	39 650	30 723	6 634	2 293	2 011	4 881	4 042
Wholesale and retail trade	10 357	9 872	393	146	10 177	7 868	1 664	645	612	1 541	1 162
Managers and administrators, n.e.c., self-employed	7 583	7 101	278	142	7 367	5 447	1 443	477	586	1 475	1 221
Wholesale and retail trade	4 456	4 235	176	128	4 332	3 264	783	285	386	991	610
Sales workers	**195 673**	**183 885**	**10 647**	**3 359**	**184 642**	**89 854**	**53 536**	**41 252**	**19 775**	**49 785**	**66 562**
Demonstrators, hucksters, and peddlers	4 933	4 700	204	85	4 258	1 390	1 381	1 487	403	1 640	2 414
Insurance, real estate agents, and brokers	11 470	11 038	372	55	11 111	6 869	2 903	1 339	618	1 895	1 791
Sales clerks, retail trade	134 639	127 231	6 606	2 304	128 333	59 040	38 034	31 259	14 653	37 869	48 331
Salesmen, retail trade	4 710	4 460	233	96	4 485	2 459	1 198	828	342	897	1 361
Other sales workers	39 921	36 456	3 232	819	36 455	20 096	10 020	6 339	3 759	7 484	12 665
Clerical and kindred workers	**1 156 450**	**1 023 158**	**124 614**	**26 036**	**1 111 935**	**690 684**	**262 733**	**158 518**	**113 487**	**237 489**	**245 418**
Bank tellers	21 439	18 920	2 309	668	20 893	13 885	4 386	2 622	1 704	4 242	3 438
Bookkeepers	134 013	126 322	6 746	1 908	131 056	92 870	25 642	12 544	12 000	23 468	18 786
Cashiers	62 275	57 159	4 529	1 250	58 113	22 995	18 034	17 084	4 444	14 435	23 261
Counter clerks, except food	12 152	10 742	1 328	241	11 551	6 679	2 899	1 973	969	3 299	3 281
Enumerators and interviewers	3 708	3 204	493	126	2 894	1 063	812	1 019	505	1 111	1 798
File clerks	48 727	39 668	8 639	1 690	45 848	24 329	11 116	10 403	5 398	11 588	16 303
Office machine operators	46 521	37 458	8 514	1 312	45 215	29 264	10 629	5 322	5 198	10 218	8 333
Bookkeeping and billing machine operators	6 374	5 488	818	126	6 209	4 184	1 365	660	811	1 451	914
Keypunch operators	27 762	21 144	6 253	929	26 977	17 231	6 650	3 096	2 911	6 094	4 706
Payroll and timekeeping clerks	11 163	10 077	1 023	167	10 992	8 281	1 803	908	1 095	2 036	1 535
Receptionists	29 433	26 502	2 746	862	28 109	15 159	7 487	5 463	2 912	7 121	8 324
Secretaries	311 396	294 168	15 408	5 390	305 174	210 195	65 729	29 250	34 817	68 254	48 210
Stenographers	14 958	13 768	1 143	239	14 726	10 454	2 707	1 565	1 906	3 192	2 075
Telephone operators	44 908	35 321	9 463	871	43 049	26 664	9 788	6 597	5 706	11 133	10 090
Typists	118 830	103 082	14 813	3 747	114 185	65 483	28 408	20 294	13 710	27 096	29 382
Other clerical and kindred workers	296 927	246 767	47 460	7 565	280 130	163 363	73 293	43 474	23 123	50 296	70 602
Craftsmen and kindred workers	**44 212**	**38 126**	**5 621**	**2 025**	**42 647**	**26 944**	**11 714**	**3 989**	**3 927**	**8 675**	**7 451**
Foremen, n.e.c	13 696	11 980	1 584	753	13 494	10 315	2 593	586	1 071	2 150	1 299
Operatives, except transport	**380 357**	**318 539**	**53 486**	**30 611**	**361 945**	**175 568**	**137 625**	**48 752**	**45 412**	**105 915**	**83 020**
Assemblers	39 625	34 784	4 511	1 422	38 155	20 578	12 897	4 680	3 668	11 071	8 853
Bottling and canning operatives	1 071	933	123	29	1 029	421	320	288	259	655	526
Checkers, examiners, and inspectors; manufacturing	21 703	19 412	2 170	609	21 088	12 636	6 356	2 096	2 566	5 763	3 634
Dressmakers and seamstresses, except factory	8 824	7 704	1 011	295	8 514	3 579	3 561	1 374	1 242	2 782	2 043
Laundry and drycleaning operatives, including ironers	18 235	10 872	6 647	1 309	17 302	10 303	5 046	1 953	2 124	5 803	3 944
Graders and sorters, manufacturing	1 490	1 303	187	106	1 434	698	450	286	370	611	456
Packers and wrappers, except produce	35 175	30 081	4 769	2 753	33 372	17 233	10 052	6 087	4 236	10 547	10 354
Sewers and stitchers	114 383	98 062	11 329	12 717	110 839	40 963	56 091	13 785	14 323	31 224	19 193
Textile operatives	7 486	6 699	734	665	7 213	3 238	2 957	1 018	1 228	2 440	1 668
Other specified operatives	67 639	55 156	11 581	3 488	60 985	33 181	19 181	8 623	8 147	16 111	17 453
Miscellaneous and not specified operatives	64 726	53 533	10 424	7 218	62 014	32 738	20 714	8 562	7 249	18 908	14 896
Manufacturing	57 750	47 925	9 136	6 799	55 350	29 421	18 572	7 357	6 544	17 243	13 188
Durable goods	26 288	22 062	4 003	2 648	25 349	14 272	8 018	3 059	2 345	7 023	5 461
Machinery, including electrical	9 993	8 622	1 319	651	9 684	5 604	2 907	1 173	589	2 092	1 796
Other durable goods	16 295	13 440	2 684	1 997	15 665	8 668	5 111	1 886	1 756	4 931	3 665
Nondurable goods, including not specified manufacturing	31 462	25 863	5 133	4 151	30 001	15 149	10 554	4 298	4 199	10 220	7 727
Food and kindred products	3 698	3 283	391	106	3 592	1 691	1 074	827	669	1 277	1 259
Apparel and other fabricated textile products	10 337	8 422	1 664	1 977	9 730	4 128	4 147	1 455	1 359	3 182	2 220
Nonmanufacturing industries	6 976	5 608	1 288	419	6 664	3 317	2 142	1 205	705	1 665	1 708
Transport equipment operatives	**10 629**	**9 725**	**854**	**207**	**10 122**	**3 245**	**5 087**	**1 790**	**300**	**1 126**	**1 449**
Laborers, except farm	**18 140**	**14 915**	**3 072**	**856**	**16 962**	**8 749**	**4 873**	**3 340**	**1 467**	**4 325**	**5 823**
Farmers and farm managers	**3 117**	**2 790**	**289**	**24**	**2 989**	**2 527**	**275**	**187**	**189**	**381**	**585**
Farm laborers and farm foremen	**5 520**	**4 787**	**645**	**91**	**4 903**	**2 297**	**1 291**	**1 315**	**645**	**2 141**	**4 035**
Paid farm laborers and farm foremen	3 712	3 036	588	78	3 224	1 034	1 054	1 136	540	1 828	3 119
Unpaid family workers	1 808	1 751	57	13	1 679	1 263	237	179	105	313	916
Service workers, except private household[1]	**389 482**	**307 178**	**79 095**	**9 449**	**367 609**	**181 152**	**119 547**	**66 910**	**30 487**	**85 760**	**103 741**
Cleaning service workers	52 367	37 501	14 455	1 563	50 080	30 198	13 015	6 867	4 651	12 972	11 259
Chambermaids and maids	14 450	9 238	5 045	354	13 667	7 404	3 942	2 321	1 636	4 500	4 906
Food service workers	129 083	117 136	10 978	2 038	122 194	46 611	47 438	28 145	11 578	33 335	42 646
Cooks, except private household	22 894	20 203	2 484	319	22 130	9 928	9 242	2 960	2 385	5 589	4 744
Waiters and food counter workers	78 076	72 243	5 224	1 066	73 207	28 003	26 471	18 733	7 113	21 862	30 678
Health service workers	95 551	62 633	32 270	2 573	91 600	53 778	23 740	14 082	5 610	17 378	19 503
Nursing aides, orderlies, and attendants	57 730	34 224	23 104	1 426	55 314	33 472	13 879	7 963	3 048	10 553	12 267
Practical nurses	18 468	12 454	5 884	478	17 797	10 153	4 898	2 746	1 122	2 952	3 225
Personal service workers	62 952	53 312	9 166	2 152	60 045	28 491	20 876	10 678	5 004	14 833	16 881
Hairdressers and cosmetologists	29 363	26 028	3 139	1 142	28 066	14 414	9 614	4 038	2 856	8 207	4 823
Private household workers	**80 528**	**39 346**	**40 017**	**667**	**74 436**	**33 713**	**25 445**	**15 278**	**8 921**	**21 723**	**19 180**
Private household workers, living in	12 578	7 055	5 185	96	12 167	7 505	3 496	1 166	28	120	134
Private household workers, living out	67 950	32 291	34 832	571	62 269	26 208	21 949	14 112	8 893	21 603	19 046
Unemployed persons, last worked 1959 or earlier[2]	**6 384**	**5 555**	**782**	**205**	...	...	...	...	...	...	...

[1]Includes protective service workers and allocated cases not shown separately. [2]See text for explanation.

Table 172. Occupation of the Experienced Civilian Labor Force by Race and Sex, and Weeks Worked in 1969 and Experienced Workers Not in Labor Force by 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	Total experienced civilian labor force	White	Negro	Persons of Puerto Rican birth or porentage	Weeks worked in 1969 of the experienced civilian labor force: Total	50 to 52 weeks	27 to 49 weeks	1 to 26 weeks	Year last worked of experienced workers not in labor force: 1960-63	1964-68	1969-70
ALBANY–SCHENECTADY–TROY SMSA											
Male, 16 years old and over	**180 097**	**174 692**	**4 840**	**170**	**177 652**	**127 735**	**37 230**	**12 687**	**4 534**	**10 612**	**20 531**
Professional, technical, and kindred workers	**32 843**	**32 213**	**386**	**17**	**32 692**	**25 189**	**6 046**	**1 457**	**362**	**909**	**2 337**
Accountants	2 654	2 633	21	–	2 640	2 275	242	123	48	134	95
Architects	270	270	–	–	270	245	21	4	14	4	30
Computer specialists	1 025	993	26	–	1 020	956	39	25	–	2	94
Engineers	6 142	6 063	36	–	6 126	5 483	492	151	94	163	325
Aeronautical and astronautical	12	12	–	–	12	12	–	–	–	–	6
Civil	1 324	1 313	11	–	1 324	1 180	121	23	27	34	77
Electrical and electronic	1 500	1 470	6	–	1 500	1 371	84	45	32	61	98
Mechanical	949	938	6	–	949	826	90	33	5	16	26
Other engineers	2 357	2 330	13	–	2 341	2 094	197	50	30	52	118
Lawyers and judges	1 401	1 401	–	–	1 401	1 214	152	35	11	27	38
Life and physical scientists	1 269	1 244	13	–	1 269	1 132	85	52	9	45	58
Chemists	737	724	13	–	737	675	48	14	5	29	41
Physicians, dentists, and related practitioners	2 146	2 085	2	9	2 143	1 462	612	69	9	43	67
Dentists	374	374	–	–	374	207	167	–	–	–	5
Pharmacists	463	463	–	–	463	363	84	16	5	15	28
Physicians, medical and osteopathic	1 127	1 066	2	9	1 124	746	325	53	4	22	29
Other related practitioners	182	182	–	–	182	146	36	–	–	6	5
Health technologists and technicians	509	487	18	–	509	314	138	57	4	18	61
Religious workers	755	731	24	–	755	632	97	26	6	42	83
Social scientists	567	561	6	–	561	465	78	18	5	16	25
Social and recreation workers	460	451	4	–	460	336	89	35	5	5	309
Teachers	5 075	4 959	59	8	5 047	2 234	2 447	366	14	112	253
College and university	1 866	1 779	36	–	1 858	1 022	706	130	–	56	73
Elementary and prekindergarten	770	759	11	–	770	252	438	80	10	16	63
Secondary	2 249	2 235	8	8	2 229	828	1 249	152	–	29	72
Engineering and science technicians	3 755	3 700	44	–	3 750	3 161	474	115	69	85	315
Draftsmen and surveyors	1 574	1 545	24	–	1 574	1 298	211	65	17	52	163
Electrical and electronic engineering technicians	503	498	5	–	503	419	79	5	23	17	16
Technicians, except health, and engineering and science	295	295	–	–	289	245	40	4	–	9	4
Airplane pilots	38	38	–	–	38	33	5	–	–	–	–
Writers, artists, and entertainers	2 171	2 137	25	–	2 148	1 658	318	172	30	76	189
Other professional, technical, and kindred workers	4 349	4 203	108	–	4 304	3 377	722	205	44	128	391
Managers and administrators, except farm	**19 180**	**19 008**	**137**	**6**	**19 094**	**16 807**	**1 931**	**356**	**378**	**925**	**750**
Buyers, purchasing agents, and sales managers	2 403	2 403	–	–	2 403	2 166	214	23	51	53	60
School administrators	645	633	7	–	645	443	192	10	–	14	49
Specified managers and administrators, public administration	1 783	1 761	16	–	1 764	1 591	119	54	60	137	93
Other specified managers and administrators	3 614	3 567	31	–	3 591	3 017	438	136	103	207	216
Managers and administrators, n.e.c., salaried	8 770	8 697	65	6	8 736	7 995	660	81	119	394	213
Manufacturing	1 957	1 945	12	–	1 949	1 822	122	5	26	99	57
Wholesale and retail trade	2 795	2 782	13	6	2 789	2 524	230	35	39	85	53
Transportation, communications, and other public utilities	797	797	–	–	797	744	49	4	5	48	15
All other industries	3 221	3 173	40	–	3 201	2 905	259	37	49	162	88
Managers and administrators, n.e.c., self-employed	1 965	1 947	18	–	1 955	1 595	308	52	45	120	119
Construction	327	327	–	–	327	229	79	19	5	22	18
Manufacturing	92	92	–	–	92	68	24	–	–	–	11
Wholesale and retail trade	1 129	1 111	18	–	1 119	979	121	19	29	61	49
All other industries	417	417	–	–	417	319	84	14	11	37	41
Sales workers	**11 636**	**11 524**	**102**	–	**11 522**	**9 081**	**1 573**	**868**	**172**	**649**	**1 347**
Insurance agents, brokers, and underwriters	1 635	1 628	7	–	1 631	1 431	168	32	27	76	58
Real estate agents and brokers	344	338	6	–	340	261	64	15	4	20	30
Sales representatives, manufacturing industries	1 307	1 300	7	–	1 307	1 161	96	50	5	47	36
Sales representatives, wholesale trade	2 276	2 253	19	–	2 276	2 033	234	9	34	63	98
Sales clerks, retail trade	3 085	3 047	32	–	3 042	1 903	618	521	55	216	643
Salesmen, retail trade	1 234	1 229	5	–	1 234	1 014	131	89	15	85	90
Salesmen of services and construction	441	430	11	–	441	360	53	28	12	10	49
Other sales workers	1 314	1 299	15	–	1 251	918	209	124	20	132	343
Clerical and kindred workers	**17 724**	**17 221**	**431**	**11**	**17 444**	**12 890**	**2 989**	**1 565**	**461**	**944**	**2 423**
Bank tellers and cashiers	630	616	–	–	615	312	142	161	11	24	136
Bookkeepers and billing clerks	2 064	2 064	–	–	2 037	1 709	240	88	33	106	178
Mail handlers and postal clerks	2 607	2 485	110	–	2 579	2 024	346	209	65	124	322
Other clerical and kindred workers	12 423	12 056	321	11	12 213	8 845	2 261	1 107	352	690	1 787
Craftsmen and kindred workers	**37 497**	**36 699**	**741**	**41**	**37 058**	**26 738**	**8 678**	**1 642**	**1 300**	**2 685**	**3 195**
Apparel craftsmen and upholsterers	459	453	6	–	459	372	78	9	19	26	26
Bakers	316	306	10	–	310	246	32	32	10	50	28
Cabinetmakers	101	101	–	–	96	58	28	10	5	11	10
Construction craftsmen	10 646	10 460	160	7	10 521	6 105	3 742	674	344	796	1 219
Carpenters	3 048	3 013	27	–	3 026	1 606	1 180	240	126	271	410
Excavating, grading, and road machine operators	1 067	1 045	22	–	1 062	673	357	32	21	31	52
Electricians	1 643	1 633	5	–	1 628	1 190	357	81	61	95	99
Masons and tile setters	945	933	12	–	934	416	469	49	16	51	47
Painters, construction and maintenance, and paperhangers	1 164	1 110	54	–	1 135	558	459	118	49	138	353
Plasterers and cement finishers	178	168	10	–	178	91	84	3	6	5	38
Plumbers and pipe fitters	1 759	1 747	12	–	1 739	1 223	445	71	39	150	105
Other construction craftsmen	842	811	18	7	819	348	391	80	26	55	115
Foremen, n.e.c	5 075	5 029	34	–	5 063	4 563	450	50	174	385	208
Manufacturing	2 615	2 590	13	–	2 603	2 391	194	18	96	230	107
Nonmanufacturing industries	2 460	2 439	21	–	2 460	2 172	256	32	78	155	101
Linemen and servicemen, telephone and power	1 534	1 506	24	–	1 523	1 392	92	39	37	60	48
Locomotive engineers and firemen	418	412	6	–	418	284	124	10	32	61	45
Mechanics and repairmen	7 893	7 777	113	12	7 799	6 139	1 330	330	194	408	378
Air conditioning, heating, and refrigeration	518	505	13	–	518	419	84	15	15	30	46
Aircraft	112	112	–	–	112	91	16	5	–	–	8
Automobile, including body	3 111	3 061	47	12	3 058	2 419	498	141	68	135	113
Radio and television	388	379	9	–	382	299	54	29	–	4	3
Other mechanics and repairmen	3 764	3 720	44	–	3 729	2 911	678	140	111	239	208
Metal craftsmen, except mechanics	3 359	3 290	60	7	3 312	2 176	1 054	82	150	407	192
Machinists and job and die setters	1 670	1 639	31	–	1 648	1 124	479	45	57	223	58
Sheetmetal workers and tinsmiths	535	526	9	–	532	364	156	12	13	32	39
Tool and die makers	471	462	–	7	471	245	209	17	42	86	28
Other metal craftsmen	683	663	20	–	661	443	210	8	38	66	67
Printing craftsmen	2 026	2 006	20	5	2 020	1 596	352	72	79	72	135
Compositors and typesetters	911	911	–	5	905	719	173	13	46	44	63
Pressmen and plate printers, printing	834	814	20	–	834	651	134	49	30	19	39
Stationary engineers and power station operators	743	724	19	–	737	582	137	18	47	63	37
Other craftsmen and kindred workers	4 927	4 635	289	10	4 800	3 225	1 259	316	209	346	869

Table 172. **Occupation of the Experienced Civilian Labor Force by Race and Sex, and Weeks Worked in 1969 and Experienced Workers Not in Labor Force by 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	Total experienced civilian labor force	White	Negro	Persons of Puerto Rican birth or parentage	Weeks worked in 1969 of the experienced civilian labor force: Total	50 to 52 weeks	27 to 49 weeks	1 to 26 weeks	Year last worked of experienced workers not in labor force: 1960-63	1964-68	1969-70
ALBANY–SCHENECTADY–TROY SMSA—Continued											
Male, 16 years old and over—Continued											
Operatives, except transport	**21 316**	**20 410**	**863**	**23**	**20 924**	**12 539**	**6 950**	**1 435**	**724**	**1 480**	**2 156**
Assemblers	1 438	1 388	44	–	1 396	690	666	40	49	128	163
Checkers, examiners, and inspectors; manufacturing	1 182	1 160	17	–	1 177	721	444	12	56	114	93
Garage workers and gas station attendants	1 103	1 097	6	–	1 038	404	278	356	–	53	272
Laundry and drycleaning operatives, n.e.c	240	227	9	–	230	146	53	31	12	14	52
Meat cutters and butchers	888	853	35	10	881	747	102	32	17	62	73
Mine operatives, n.e.c	63	63	–	–	63	29	25	9	–	10	–
Packers and wrappers, except produce	677	654	16	–	664	415	153	96	8	64	150
Painters, manufactured articles	224	207	17	–	224	129	88	7	6	15	41
Precision machine operatives	1 675	1 601	74	–	1 642	731	877	34	104	111	106
Sawyers	160	156	4	–	160	102	48	10	–	5	16
Stationary firemen	347	343	4	–	347	261	80	6	29	51	14
Textile operatives	578	536	42	–	575	454	112	9	53	38	46
Welders and flamecutters	1 624	1 594	30	–	1 611	805	752	54	55	70	88
Other metalworking operatives	720	692	28	9	697	410	252	35	54	52	51
Other specified operatives	3 380	3 100	271	–	3 285	2 064	972	249	145	168	409
Miscellaneous and not specified operatives	7 017	6 739	266	4	6 934	4 431	2 048	455	136	525	582
Occupation:											
Machine operatives, miscellaneous specified	2 908	2 772	131	4	2 895	2 000	761	134	34	220	171
Machine operatives, not specified	2 110	2 006	97	–	2 070	1 244	713	113	42	170	144
Miscellaneous operatives	1 367	1 335	32	–	1 346	774	417	155	49	106	204
Not specified operatives	632	626	6	–	623	413	157	53	11	29	63
Industry:											
Manufacturing	5 951	5 722	217	4	5 892	3 767	1 818	307	99	463	431
Durable goods	3 233	3 082	139	4	3 205	1 819	1 192	194	57	295	227
Wood products, including furniture	87	87	–	–	80	41	18	21	–	6	25
Primary metal industries	279	235	44	–	279	174	91	14	6	27	19
Fabricated metal industries	190	182	8	–	184	148	21	15	–	28	22
Machinery, including electrical	1 323	1 281	35	–	1 323	411	843	69	28	145	82
Motor vehicles and equipment	234	229	–	–	234	180	49	5	9	5	4
Transportation equipment, except motor vehicles	26	26	–	–	26	15	–	11	5	14	5
Other durable goods	1 094	1 042	52	4	1 079	850	170	59	9	70	70
Nondurable goods	2 700	2 622	78	–	2 669	1 942	614	113	35	163	204
Food and kindred products	405	382	23	–	401	305	74	22	–	15	22
Apparel and other fabricated textile products	105	105	–	–	105	60	41	4	–	17	–
Paper and allied products	1 187	1 170	17	–	1 174	919	220	35	25	72	85
Chemicals and allied products	665	636	29	–	660	426	199	35	5	36	38
Other nondurable goods	338	329	9	–	329	232	80	17	5	23	59
Not specified manufacturing industries	18	18	–	–	18	6	12	–	7	5	–
Nonmanufacturing industries	1 066	1 017	49	–	1 042	664	230	148	37	62	151
Transportation, communications, and other public utilities	133	124	9	–	133	79	41	13	28	5	9
Wholesale and retail trade	466	460	6	–	442	314	71	57	–	12	48
All other industries	467	433	34	–	467	271	118	78	9	45	94
Transport equipment operatives	**10 608**	**10 278**	**314**	–	**10 505**	**7 601**	**2 267**	**637**	**163**	**572**	**737**
Bus drivers	722	699	23	–	717	472	222	23	12	80	26
Taxicab drivers and chauffeurs	647	625	22	–	639	415	177	47	5	53	81
Truck drivers and deliverymen	7 166	6 942	218	–	7 117	5 348	1 355	414	119	363	488
Other transport equipment operatives	2 073	2 012	51	–	2 032	1 366	513	153	27	76	142
Laborers, except farm	**11 353**	**10 483**	**841**	**23**	**10 995**	**5 884**	**3 205**	**1 906**	**312**	**876**	**3 546**
Construction laborers	2 766	2 462	299	13	2 729	1 378	1 042	309	37	184	719
Freight, stock, and material handlers	4 523	4 363	150	10	4 367	2 346	1 095	926	98	211	1 255
Other specified laborers	2 257	2 054	198	–	2 144	1 228	506	410	82	266	1 102
Miscellaneous and not specified laborers	1 807	1 604	194	–	1 755	932	562	261	95	215	470
Occupation:											
Miscellaneous laborers	793	691	93	–	765	386	304	75	49	115	117
Not specified laborers	1 014	913	101	–	990	546	258	186	46	100	353
Industry:											
Manufacturing	882	771	111	–	872	457	316	99	48	85	118
Durable goods	571	485	86	–	561	239	248	74	43	64	64
Wood products, including furniture	11	11	–	–	11	11	–	–	–	–	7
Metal industries	128	98	30	–	128	54	59	15	10	24	22
Machinery, including electrical	302	271	31	–	302	87	167	48	19	34	25
Transportation equipment	38	35	3	–	32	16	12	4	14	6	–
Other durable goods	92	70	22	–	88	71	10	7	–	–	10
Nondurable goods	311	286	25	–	311	218	68	25	–	15	54
Food and kindred products	108	83	25	–	108	72	29	7	–	–	15
Not specified manufacturing industries	–	–	–	–	–	–	–	–	5	6	–
Nonmanufacturing industries	925	833	83	–	883	475	246	162	47	130	352
Railroads and railway express service	135	110	16	–	135	90	35	10	6	22	29
Transportation, except railroads	55	55	–	–	55	37	9	9	–	–	5
Communications, and utilities and sanitary services	139	123	16	–	126	74	43	9	9	36	28
Wholesale and retail trade	240	218	22	–	235	123	42	70	7	32	56
All other industries	356	327	29	–	332	151	117	64	25	40	234
Farmers and farm managers	**1 449**	**1 449**	–	–	**1 433**	**1 317**	**46**	**70**	**52**	**116**	**95**
Farm laborers and farm foremen	**720**	**716**	**4**	–	**686**	**450**	**104**	**132**	**11**	**102**	**352**
Paid farm laborers and farm foremen	635	631	4	–	611	402	98	111	11	94	291
Unpaid family workers	85	85	–	–	75	48	6	21	–	8	61
Service workers, except private household[1]	**15 658**	**14 603**	**1 002**	**49**	**15 211**	**9 201**	**3 437**	**2 573**	**587**	**1 350**	**3 557**
Cleaning service workers	4 834	4 439	395	4	4 723	2 978	1 018	727	247	412	968
Food service workers	4 228	3 976	210	45	4 063	1 802	1 141	1 120	107	388	1 340
Cooks, except private household	1 320	1 207	93	14	1 275	680	384	211	54	131	341
Busboys and dishwashers	889	821	56	15	832	151	259	422	16	85	449
Health service workers	509	440	69	–	501	217	153	131	11	46	99
Personal service workers	1 503	1 445	58	–	1 450	855	376	219	52	115	498
Protective service workers	3 496	3 427	69	–	3 470	2 769	491	210	123	316	273
Firemen, fire protection	777	777	–	–	777	705	72	–	20	72	10
Guards and watchmen	1 125	1 096	29	–	1 115	775	198	142	70	142	180
Policemen and detectives	1 292	1 264	28	–	1 286	1 108	153	25	10	77	64
Private household workers	**94**	**69**	**19**	–	**88**	**38**	**4**	**46**	**12**	**4**	**36**
Unemployed persons, last worked 1959 or earlier[2]	**19**	**19**	–	–	...	...	...	...	...	...	...

[1]Includes allocated cases not shown separately. [2]See text for explanation.

Table 172. **Occupation of the Experienced Civilian Labor Force by Race and Sex, and Weeks Worked in 1969 and Experienced Workers Not in Labor Force by 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	Total experienced civilian labor force	White	Negro	Persons of Puerto Rican birth or parentage	Weeks worked in 1969 of the experienced civilian labor force: Total	50 to 52 weeks	27 to 49 weeks	1 to 26 weeks	Year last worked of experienced workers not in labor force: 1960-63	1964-68	1969-70
ALBANY–SCHENECTADY–TROY SMSA—Continued											
Female, 16 years old and over	**114 121**	**109 691**	**4 029**	**113**	**109 438**	**60 102**	**31 551**	**17 785**	**10 706**	**26 510**	**29 565**
Professional, technical, and kindred workers	**19 764**	**19 305**	**322**	**11**	**19 238**	**7 874**	**8 260**	**3 104**	**1 412**	**3 704**	**4 531**
Accountants	780	765	10	–	735	547	110	78	76	205	114
Computer specialists	368	359	9	–	364	259	74	31	15	52	38
Librarians	430	426	4	–	425	181	196	48	26	93	88
Mathematical specialists	91	87	4	–	91	76	5	10	18	27	6
Life and physical scientists	198	166	15	–	198	135	42	21	26	28	39
Registered nurses, dietitians, and therapists	4 279	4 200	64	–	4 155	2 006	1 379	770	369	842	763
Dietitians	118	118	–	–	109	66	20	23	12	40	19
Registered nurses	3 938	3 859	64	–	3 828	1 834	1 290	704	346	789	732
Health technologists and technicians	964	904	38	–	949	578	238	133	43	166	179
Social scientists	92	92	–	–	92	48	32	12	–	10	15
Social and recreation workers	632	586	46	–	606	393	109	104	54	167	465
Teachers: College and university	740	723	4	–	705	245	334	126	16	84	146
Elementary and prekindergarten	4 788	4 719	59	11	4 741	773	3 135	833	308	856	1 110
Secondary	2 335	2 324	6	–	2 294	425	1 526	343	163	516	507
Other teachers	486	483	3	–	473	168	184	121	44	63	116
Engineering and science technicians	407	394	13	–	394	257	64	73	41	94	82
Technicians, except health, and engineering and science	46	46	–	–	40	36	4	–	4	13	16
Writers, artists, and entertainers	814	800	–	–	797	424	206	167	51	130	247
Actors and dancers	9	9	–	–	9	5	4	–	–	–	7
Authors, editors, and reporters	237	237	–	–	237	154	43	40	27	55	51
Other professional, technical, and kindred workers	2 314	2 231	47	–	2 179	1 323	622	234	158	358	600
Managers and administrators, except farm	**3 700**	**3 627**	**65**	–	**3 626**	**2 677**	**702**	**247**	**284**	**571**	**527**
Buyers, purchasing agents, and sales managers	560	548	12	–	555	466	63	26	62	69	95
Restaurant, cafeteria, and bar managers	260	260	–	–	255	140	99	16	38	105	52
School administrators	198	193	5	–	198	99	99	–	20	29	21
Other specified managers and administrators	1 115	1 081	34	–	1 072	772	192	108	37	124	169
Managers and administrators, n.e.c., salaried	1 205	1 191	14	–	1 200	957	155	88	92	169	105
Wholesale and retail trade	415	415	–	–	410	323	65	22	34	49	57
Managers and administrators, n.e.c., self-employed	362	354	–	–	346	243	94	9	35	75	85
Wholesale and retail trade	245	237	–	–	240	180	51	9	12	54	52
Sales workers	**7 810**	**7 730**	**65**	–	**7 420**	**3 533**	**2 095**	**1 792**	**885**	**2 099**	**3 291**
Demonstrators, hucksters, and peddlers	227	227	–	–	208	57	79	72	36	97	169
Insurance, real estate agents, and brokers	601	601	–	–	584	292	192	100	39	79	117
Sales clerks, retail trade	5 467	5 442	16	–	5 244	2 470	1 400	1 374	679	1 643	2 383
Salesmen, retail trade	163	163	–	–	149	98	34	17	7	30	47
Other sales workers	1 352	1 297	49	–	1 235	616	390	229	124	250	575
Clerical and kindred workers	**49 897**	**48 529**	**1 256**	**55**	**48 236**	**30 980**	**10 086**	**7 170**	**4 904**	**11 409**	**11 235**
Bank tellers	700	677	18	–	696	472	139	85	59	158	150
Bookkeepers	5 522	5 503	19	6	5 442	4 063	931	448	495	955	827
Cashiers	2 468	2 400	62	–	2 292	1 023	597	672	149	705	1 139
Counter clerks, except food	481	474	7	–	459	264	110	85	38	263	178
Enumerators and interviewers	111	111	–	–	97	37	23	37	47	48	142
File clerks	3 193	2 970	223	6	3 064	1 771	716	577	340	796	903
Office machine operators	2 879	2 739	132	5	2 823	1 884	559	380	317	727	532
Bookkeeping and billing machine operators	283	283	–	–	279	190	53	36	28	74	37
Keypunch operators	1 845	1 723	114	5	1 807	1 201	374	232	214	489	344
Payroll and timekeeping clerks	542	537	5	–	538	406	92	40	48	118	101
Receptionists	1 063	1 042	16	–	1 047	504	297	246	98	276	304
Secretaries	10 860	10 668	154	8	10 631	7 303	2 213	1 115	1 240	2 622	1 964
Stenographers	2 184	2 125	59	–	2 180	1 596	338	246	210	459	186
Telephone operators	1 462	1 424	38	–	1 389	916	254	219	196	405	384
Typists	5 876	5 713	144	6	5 684	3 366	1 212	1 106	594	1 373	1 418
Other clerical and kindred workers	12 556	12 146	379	24	11 894	7 375	2 605	1 914	1 073	2 504	3 007
Craftsmen and kindred workers	**1 504**	**1 429**	**75**	–	**1 446**	**980**	**325**	**141**	**135**	**319**	**339**
Foremen, n.e.c.	454	454	–	–	449	368	55	26	31	77	45
Operatives, except transport	**10 134**	**9 597**	**467**	**19**	**9 723**	**5 149**	**3 480**	**1 094**	**1 427**	**2 905**	**2 306**
Assemblers	501	484	13	–	478	187	240	51	102	201	201
Bottling and canning operatives	34	32	2	–	28	19	9	–	6	–	4
Checkers, examiners, and inspectors; manufacturing	651	635	16	–	629	393	171	65	115	202	126
Dressmakers and seamstresses, except factory	252	227	11	–	247	132	87	28	35	132	49
Laundry and drycleaning operatives, including ironers	990	875	109	3	949	549	284	116	124	367	194
Graders and sorters, manufacturing	35	35	–	–	29	20	4	5	21	11	5
Packers and wrappers, except produce	1 138	1 077	61	–	1 103	599	334	170	107	221	369
Sewers and stitchers	2 571	2 451	83	11	2 517	1 345	1 006	166	451	722	446
Textile operatives	425	425	–	–	407	184	177	46	69	168	103
Other specified operatives	1 630	1 555	71	–	1 466	700	581	185	225	387	438
Miscellaneous and not specified operatives	1 907	1 801	101	5	1 870	1 021	587	262	172	494	371
Manufacturing	1 555	1 465	85	5	1 535	859	477	199	135	395	261
Durable goods	557	534	23	–	552	326	175	51	40	137	106
Machinery, including electrical	170	159	11	–	170	61	79	30	22	44	39
Other durable goods	387	375	12	–	382	265	96	21	18	93	67
Nondurable goods, including not specified manufacturing	998	931	62	5	983	533	302	148	95	258	155
Food and kindred products	78	57	21	–	78	32	25	21	10	16	15
Apparel and other fabricated textile products	298	287	11	–	298	146	108	44	28	82	42
Nonmanufacturing industries	352	336	16	–	335	162	110	63	37	99	110
Transport equipment operatives	**452**	**448**	–	–	**408**	**153**	**199**	**56**	**11**	**46**	**69**
Laborers, except farm	**939**	**850**	**89**	–	**889**	**487**	**252**	**150**	**87**	**160**	**303**
Farmers and farm managers	**196**	**192**	–	–	**190**	**160**	**19**	**11**	**6**	–	**23**
Farm laborers and farm foremen	**221**	**216**	**5**	–	**208**	**120**	**39**	**49**	**11**	**67**	**184**
Paid farm laborers and farm foremen	138	133	5	–	134	52	39	43	5	63	149
Unpaid family workers	83	83	–	–	74	68	–	6	6	4	35
Service workers, except private household[1]	**17 196**	**15 821**	**1 329**	**28**	**16 217**	**7 272**	**5 534**	**3 411**	**1 262**	**4 460**	**5 966**
Cleaning service workers	2 784	2 333	439	–	2 607	1 449	689	469	205	822	671
Chambermaids and maids	671	573	86	–	607	320	166	121	70	301	336
Food service workers	6 481	6 263	208	6	6 134	2 117	2 429	1 588	533	1 888	2 720
Cooks, except private household	1 197	1 142	48	–	1 176	487	494	195	118	270	214
Waiters and food counter workers	4 044	3 990	54	6	3 800	1 293	1 385	1 122	338	1 322	2 052
Health service workers	3 519	3 187	312	16	3 413	1 824	988	601	229	763	1 107
Nursing aides, orderlies, and attendants	1 848	1 627	217	8	1 770	994	447	329	105	436	767
Practical nurses	976	904	62	8	953	509	309	135	71	129	109
Personal service workers	2 514	2 364	150	–	2 394	1 009	848	537	187	693	893
Hairdressers and cosmetologists	1 353	1 315	38	–	1 275	609	408	258	117	370	224
Private household workers	**2 028**	**1 671**	**352**	–	**1 837**	**717**	**560**	**560**	**282**	**770**	**791**
Private household workers, living in	199	183	16	–	178	121	33	24	5	5	13
Private household workers, living out	1 829	1 488	336	–	1 659	596	527	536	277	765	778
Unemployed persons, last worked 1959 or earlier[2]	**280**	**276**	**4**	–	...	...	...	...	...	...	...

[1]Includes protective service workers and allocated cases not shown separately. [2]See text for explanation.

Table 172. **Occupation of the Experienced Civilian Labor Force by Race and Sex, and Weeks Worked in 1969 and Experienced Workers Not in Labor Force by 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	Total experienced civilian labor force	White	Negro	Persons of Puerto Rican birth or parentage	Weeks worked in 1969 of the experienced civilian labor force				Year last worked of experienced workers not in labor force		
					Total	50 to 52 weeks	27 to 49 weeks	1 to 26 weeks	1960-63	1964-68	1969-70
BINGHAMTON, N.Y.–PA., SMSA											
Male, 16 years old and over	**75 746**	**74 910**	**658**	**33**	**74 420**	**59 056**	**10 622**	**4 742**	**2 171**	**4 226**	**6 046**
Professional, technical, and kindred workers	**14 865**	**14 576**	**193**	**6**	**14 718**	**12 412**	**1 761**	**545**	**122**	**306**	**612**
Accountants	782	778	4	–	782	727	44	11	6	23	20
Architects	29	29	–	–	29	25	4	–	–	9	–
Computer specialists	1 308	1 246	46	–	1 298	1 141	84	73	3	–	16
Engineers	4 239	4 152	45	6	4 226	3 879	290	57	32	33	93
Aeronautical and astronautical	47	47	–	–	47	47	–	–	–	–	5
Civil	213	213	–	–	213	188	25	–	7	4	20
Electrical and electronic	1 806	1 772	15	6	1 793	1 699	89	5	17	10	30
Mechanical	471	465	–	–	471	430	35	6	–	6	10
Other engineers	1 702	1 655	30	–	1 702	1 515	141	46	8	13	28
Lawyers and judges	294	292	2	–	294	258	36	–	–	5	9
Life and physical scientists	241	228	13	–	241	226	6	9	6	11	–
Chemists	178	170	8	–	178	174	–	4	6	5	–
Physicians, dentists, and related practitioners	624	611	3	–	607	486	112	9	–	19	16
Dentists	126	126	–	–	126	85	41	–	–	10	–
Pharmacists	110	110	–	–	104	94	5	5	–	–	5
Physicians, medical and osteopathic	329	316	3	–	318	257	57	4	–	9	11
Other related practitioners	59	59	–	–	59	50	9	–	–	–	–
Health technologists and technicians	80	74	–	–	75	63	12	–	–	–	7
Religious workers	374	374	–	–	374	318	40	16	–	34	21
Social scientists	83	83	–	–	83	72	11	–	–	–	5
Social and recreation workers	168	161	7	–	155	112	25	18	–	6	109
Teachers	1 924	1 899	14	–	1 885	1 064	680	141	9	31	78
College and university	534	528	–	–	516	337	158	21	–	–	16
Elementary and prekindergarten	493	493	–	–	488	211	201	76	9	11	14
Secondary	727	711	11	–	711	370	300	41	–	11	38
Engineering and science technicians	2 106	2 085	15	–	2 070	1 847	144	79	5	62	89
Draftsmen and surveyors	576	570	6	–	551	479	41	31	5	25	56
Electrical and electronic engineering technicians	920	911	9	–	920	840	69	11	–	25	10
Technicians, except health, and engineering and science	100	100	–	–	100	94	6	–	–	6	15
Airplane pilots	27	27	–	–	27	27	–	–	–	–	–
Writers, artists, and entertainers	972	960	12	–	962	824	69	69	16	31	49
Other professional, technical, and kindred workers	1 541	1 504	32	–	1 537	1 276	198	63	45	36	85
Managers and administrators, except farm	**7 639**	**7 597**	**32**	**13**	**7 596**	**6 865**	**576**	**155**	**224**	**365**	**277**
Buyers, purchasing agents, and sales managers	971	961	10	–	971	920	32	19	9	45	28
School administrators	269	269	–	–	269	197	67	5	6	–	5
Specified managers and administrators, public administration	340	340	–	–	340	304	21	15	15	43	13
Other specified managers and administrators	1 208	1 208	–	6	1 178	1 025	110	43	66	58	69
Managers and administrators, n.e.c., salaried	3 966	3 940	16	7	3 960	3 663	233	64	98	157	107
Manufacturing	1 714	1 695	9	–	1 708	1 661	47	–	58	75	41
Wholesale and retail trade	1 089	1 089	–	7	1 089	1 001	65	23	25	31	29
Transportation, communications, and other public utilities	245	245	–	–	245	240	5	–	4	29	5
All other industries	918	911	7	–	918	761	116	41	11	22	32
Managers and administrators, n.e.c., self-employed	885	879	6	–	878	756	113	9	30	62	55
Construction	197	197	–	–	190	107	79	4	6	4	27
Manufacturing	76	76	–	–	76	71	5	–	–	15	4
Wholesale and retail trade	448	442	6	–	448	429	19	–	19	27	19
All other industries	164	164	–	–	164	149	10	5	5	16	5
Sales workers	**4 383**	**4 377**	**6**	–	**4 300**	**3 429**	**592**	**279**	**69**	**195**	**339**
Insurance agents, brokers, and underwriters	550	550	–	–	544	475	53	16	5	21	–
Real estate agents and brokers	153	153	–	–	153	144	9	–	10	15	11
Sales representatives, manufacturing industries	431	431	–	–	431	376	47	8	10	–	11
Sales representatives, wholesale trade	768	768	–	–	758	675	64	19	–	22	27
Sales clerks, retail trade	1 091	1 085	6	–	1 045	724	199	122	24	28	116
Salesmen, retail trade	572	572	–	–	567	479	62	26	11	64	39
Salesmen of services and construction	181	181	–	–	174	89	59	26	4	–	15
Other sales workers	637	637	–	–	628	467	99	62	5	45	120
Clerical and kindred workers	**5 907**	**5 855**	**52**	**5**	**5 822**	**4 751**	**613**	**458**	**116**	**272**	**609**
Bank tellers and cashiers	159	159	–	–	159	93	34	32	–	7	44
Bookkeepers and billing clerks	452	442	10	–	448	375	46	27	5	5	29
Mail handlers and postal clerks	726	726	–	–	726	612	76	38	9	14	56
Other clerical and kindred workers	4 570	4 528	42	5	4 489	3 671	457	361	102	246	480
Craftsmen and kindred workers	**15 088**	**14 967**	**89**	–	**14 963**	**11 861**	**2 563**	**539**	**533**	**956**	**936**
Apparel craftsmen and upholsterers	350	350	–	–	346	290	42	14	15	23	13
Bakers	85	85	–	–	85	78	4	3	4	10	18
Cabinetmakers	71	71	–	–	71	66	5	–	–	5	5
Construction craftsmen	3 709	3 667	35	–	3 692	2 319	1 207	166	102	263	370
Carpenters	1 102	1 093	5	–	1 095	627	419	49	40	91	128
Excavating, grading, and road machine operators	630	623	7	–	630	383	225	22	12	24	57
Electricians	487	487	–	–	482	403	76	3	14	43	29
Masons and tile setters	301	293	8	–	301	146	141	14	7	11	21
Painters, construction and maintenance, and paperhangers	343	343	–	–	338	181	126	31	11	53	77
Plasterers and cement finishers	106	102	4	–	106	62	39	5	–	–	15
Plumbers and pipe fitters	504	504	–	–	504	396	93	15	4	23	16
Other construction craftsmen	236	222	11	–	236	121	88	27	14	18	27
Foremen, n.e.c.	2 278	2 267	11	–	2 272	2 000	253	19	91	151	59
Manufacturing	1 423	1 416	7	–	1 423	1 344	73	6	61	85	36
Nonmanufacturing industries	855	851	4	–	849	656	180	13	30	66	23
Linemen and servicemen, telephone and power	443	443	–	–	443	399	36	8	4	19	20
Locomotive engineers and firemen	83	83	–	–	83	64	10	9	–	14	13
Mechanics and repairmen	3 427	3 384	23	–	3 384	2 881	380	123	101	119	128
Air conditioning, heating, and refrigeration	146	146	–	–	146	109	18	19	9	15	–
Aircraft	19	19	–	–	19	15	4	–	–	–	11
Automobile, including body	1 454	1 445	9	–	1 427	1 194	174	59	37	51	47
Radio and television	161	161	–	–	161	128	19	14	–	6	5
Other mechanics and repairmen	1 647	1 613	14	–	1 631	1 435	165	31	55	47	65
Metal craftsmen, except mechanics	2 238	2 231	7	–	2 238	1 887	307	44	51	114	66
Machinists and job and die setters	757	750	7	–	757	624	111	22	24	24	39
Sheetmetal workers and tinsmiths	233	233	–	–	233	183	42	8	7	10	9
Tool and die makers	807	807	–	–	807	696	104	7	6	62	11
Other metal craftsmen	441	441	–	–	441	384	50	7	14	18	7
Printing craftsmen	448	448	–	–	448	357	45	46	16	25	14
Compositors and typesetters	212	212	–	–	212	189	12	11	5	20	9
Pressmen and plate printers, printing	120	120	–	–	120	97	18	5	–	5	5
Stationary engineers and power station operators	185	180	–	–	185	175	10	–	18	10	5
Other craftsmen and kindred workers	1 771	1 758	13	–	1 716	1 345	264	107	131	203	225

499-314 O - 73 - 16

Table 172. **Occupation of the Experienced Civilian Labor Force by Race and Sex, and Weeks Worked in 1969 and Experienced Workers Not in Labor Force by 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	Total experienced civilian labor force	White	Negro	Persons of Puerto Rican birth or parentage	Weeks worked in 1969 of the experienced civilian labor force: Total	50 to 52 weeks	27 to 49 weeks	1 to 26 weeks	Year last worked of experienced workers not in labor force: 1960-63	1964-68	1969-70
BINGHAMTON, N.Y.-PA., SMSA—Continued											
Male, 16 years old and over—Continued											
Operatives, except transport	**10 867**	**10 805**	**57**	**–**	**10 588**	**8 171**	**1 595**	**822**	**588**	**946**	**802**
Assemblers	1 279	1 258	16	–	1 222	969	138	115	30	96	104
Checkers, examiners, and inspectors, manufacturing	1 444	1 444	–	–	1 425	1 233	143	49	41	56	57
Garage workers and gas station attendants	384	384	–	–	340	144	78	118	6	36	78
Laundry and drycleaning operatives, n.e.c	85	79	6	–	85	53	9	23	–	8	22
Meat cutters and butchers	269	269	–	–	264	228	24	12	4	15	8
Mine operatives, n.e.c	31	31	–	–	31	20	11	–	5	–	–
Packers and wrappers, except produce	435	435	–	–	429	237	79	113	11	17	40
Painters, manufactured articles	89	89	–	–	89	55	24	10	4	11	4
Precision machine operatives	752	747	5	–	740	573	125	42	20	44	28
Sawyers	122	122	–	–	117	91	21	5	–	5	7
Stationary firemen	79	79	–	–	79	54	17	8	10	9	–
Textile operatives	24	24	–	–	24	24	–	–	–	–	6
Welders and flamecutters	342	342	–	–	336	266	52	18	13	10	16
Other metalworking operatives	484	482	2	–	479	385	85	9	26	33	31
Other specified operatives	2 167	2 147	20	–	2 089	1 567	375	147	306	381	209
Miscellaneous and not specified operatives	2 881	2 873	8	–	2 839	2 272	414	153	112	225	192
Occupation:											
Machine operatives, miscellaneous specified	1 179	1 179	–	–	1 165	941	161	63	69	96	56
Machine operatives, not specified	739	736	3	–	724	567	132	25	10	26	62
Miscellaneous operatives	664	659	5	–	664	513	96	55	33	73	58
Not specified operatives	299	299	–	–	286	251	25	10	–	30	16
Industry:											
Manufacturing	2 584	2 581	3	–	2 542	2 051	355	136	101	202	150
Durable goods	1 998	1 995	3	–	1 971	1 642	249	80	25	70	91
Wood products, including furniture	95	95	–	–	95	84	5	6	6	–	5
Primary metal industries	120	120	–	–	120	78	34	8	–	–	12
Fabricated metal industries	87	87	–	–	87	67	20	–	5	11	5
Machinery, including electrical	1 032	1 029	3	–	1 009	829	137	43	10	51	60
Motor vehicles and equipment	6	6	–	–	6	6	–	–	4	–	4
Transportation equipment, except motor vehicles	47	47	–	–	47	42	–	5	–	4	–
Other durable goods	611	611	–	–	607	536	53	18	–	4	5
Nondurable goods	573	573	–	–	567	409	102	56	76	132	59
Food and kindred products	65	65	–	–	65	37	13	15	–	13	21
Apparel and other fabricated textile products	8	8	–	–	8	5	–	3	–	–	–
Paper and allied products	145	145	–	–	145	102	32	11	–	5	12
Chemicals and allied products	16	16	–	–	16	11	–	5	–	–	9
Other nondurable goods	339	339	–	–	333	254	57	22	76	114	17
Not specified manufacturing industries	13	13	–	–	4	–	4	–	–	–	–
Nonmanufacturing industries	297	292	5	–	297	221	59	17	11	23	42
Transportation, communications, and other public utilities	57	57	–	–	57	47	10	–	–	3	4
Wholesale and retail trade	103	103	–	–	103	68	18	17	–	15	34
All other industries	137	132	5	–	137	106	31	–	11	5	4
Transport equipment operatives	**3 852**	**3 814**	**38**	**–**	**3 801**	**3 020**	**601**	**180**	**123**	**190**	**259**
Bus drivers	281	281	–	–	281	215	48	18	24	26	21
Taxicab drivers and chauffeurs	182	178	4	–	175	127	28	20	11	5	12
Truck drivers and deliverymen	2 907	2 873	34	–	2 874	2 283	476	115	35	134	166
Other transport equipment operatives	482	482	–	–	471	395	49	27	53	25	60
Laborers, except farm	**4 183**	**4 125**	**46**	**–**	**4 024**	**2 112**	**1 143**	**769**	**110**	**290**	**904**
Construction laborers	1 101	1 085	16	–	1 082	433	510	139	41	83	188
Freight, stock, and material handlers	1 509	1 501	8	–	1 421	779	263	379	15	55	325
Other specified laborers	893	864	17	–	853	481	229	143	28	91	327
Miscellaneous and not specified laborers	680	675	5	–	668	419	141	108	26	61	64
Occupation:											
Miscellaneous laborers	237	232	5	–	237	163	53	21	8	29	25
Not specified laborers	443	443	–	–	431	256	88	87	18	32	39
Industry:											
Manufacturing	308	308	–	–	308	203	80	25	5	20	16
Durable goods	197	197	–	–	197	127	45	25	5	12	11
Wood products, including furniture	17	17	–	–	17	9	8	–	5	–	–
Metal industries	57	57	–	–	57	41	11	5	–	6	–
Machinery, including electrical	80	80	–	–	80	56	14	10	–	6	7
Transportation equipment	–	–	–	–	–	–	–	–	–	–	4
Other durable goods	43	43	–	–	43	21	12	10	–	–	–
Nondurable goods	106	106	–	–	106	71	35	–	–	8	5
Food and kindred products	33	33	–	–	33	26	7	–	–	8	5
Not specified manufacturing industries	5	5	–	–	5	5	–	–	–	–	–
Nonmanufacturing industries	372	367	5	–	360	216	61	83	21	41	48
Railroads and railway express service	62	62	–	–	62	52	10	–	8	27	9
Transportation, except railroads	12	12	–	–	12	12	–	–	–	–	–
Communications, and utilities and sanitary services	66	66	–	–	57	44	5	8	–	–	10
Wholesale and retail trade	89	89	–	–	89	42	26	21	5	10	–
All other industries	143	138	5	–	140	66	20	54	8	4	29
Farmers and farm managers	**1 658**	**1 658**	**–**	**–**	**1 652**	**1 592**	**45**	**15**	**77**	**188**	**132**
Farm laborers and farm foremen	**774**	**768**	**6**	**9**	**750**	**583**	**90**	**77**	**26**	**43**	**216**
Paid farm laborers and farm foremen	671	665	6	9	650	494	84	72	20	39	202
Unpaid family workers	103	103	–	–	100	89	6	5	6	4	14
Service workers, except private household[1]	**6 501**	**6 339**	**139**	**–**	**6 184**	**4 253**	**1 038**	**893**	**178**	**475**	**949**
Cleaning service workers	2 228	2 145	83	–	2 145	1 559	349	237	61	153	259
Food service workers	1 315	1 271	21	–	1 169	551	275	343	27	117	323
Cooks, except private household	443	438	5	–	377	194	102	81	15	29	87
Busboys and dishwashers	270	266	4	–	239	66	38	135	–	41	107
Health service workers	460	437	23	–	436	330	56	50	4	34	55
Personal service workers	490	490	–	–	490	344	89	57	6	44	153
Protective service workers	1 411	1 405	6	–	1 389	1 114	145	130	55	117	83
Firemen, fire protection	278	278	–	–	278	243	35	–	6	14	6
Guards and watchmen	470	464	6	–	453	347	31	75	40	60	30
Policemen and detectives	525	525	–	–	520	461	35	24	5	39	22
Private household workers	**22**	**22**	**–**	**–**	**22**	**7**	**5**	**10**	**5**	**–**	**11**
Unemployed persons, last worked 1959 or earlier[2]	**7**	**7**	**–**	**–**	...	...	...	...	...	...	...

[1]Includes allocated cases not shown separately. [2]See text for explanation.

Table 172. **Occupation of the Experienced Civilian Labor Force by Race and Sex, and Weeks Worked in 1969 and Experienced Workers Not in Labor Force by 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	Total experienced civilian labor force	White	Negro	Persons of Puerto Rican birth or parentage	Weeks worked in 1969 of the experienced civilian labor force: Total	50 to 52 weeks	27 to 49 weeks	1 to 26 weeks	Year last worked of experienced workers not in labor force: 1960-63	1964-68	1969-70
BINGHAMTON, N.Y.-PA., SMSA—Continued											
Female, 16 years old and over	**44 851**	**44 382**	**378**	**19**	**42 209**	**24 538**	**10 133**	**7 538**	**5 037**	**10 883**	**10 548**
Professional, technical, and kindred workers	**7 566**	**7 431**	**89**	**6**	**7 277**	**3 259**	**2 703**	**1 315**	**723**	**1 504**	**1 581**
Accountants	234	234	–	–	222	148	42	32	28	36	20
Computer specialists	213	202	6	–	213	145	33	35	–	23	21
Librarians	227	221	6	–	210	71	103	36	4	33	28
Mathematical specialists	11	11	–	–	11	5	6	–	–	4	–
Life and physical scientists	7	7	–	–	7	7	–	–	5	19	11
Registered nurses, dietitians, and therapists	1 697	1 665	22	6	1 664	990	414	260	189	409	320
Dietitians	56	51	5	–	56	39	6	11	6	4	5
Registered nurses	1 583	1 556	17	6	1 554	914	408	232	183	384	305
Health technologists and technicians	355	355	–	–	355	228	54	73	17	65	69
Social scientists	17	17	–	–	17	17	–	–	–	–	4
Social and recreation workers	236	221	15	–	220	138	24	58	29	40	155
Teachers: College and university	178	155	–	–	146	48	57	41	13	24	28
Elementary and prekindergarten	1 977	1 955	22	–	1 918	427	1 122	369	225	416	484
Secondary	822	818	4	–	790	151	466	173	83	149	148
Other teachers	276	273	3	–	263	91	126	46	12	38	41
Engineering and science technicians	242	236	6	–	233	159	33	41	14	50	20
Technicians, except health, and engineering and science	12	12	–	–	12	8	4	–	–	3	5
Writers, artists, and entertainers	302	294	–	–	302	174	64	64	18	45	22
Actors and dancers	6	6	–	–	6	–	–	6	–	–	–
Authors, editors, and reporters	80	80	–	–	80	47	17	16	5	14	–
Other professional, technical, and kindred workers	760	755	5	–	694	452	155	87	86	150	205
Managers and administrators, except farm	**1 384**	**1 380**	**4**	–	**1 331**	**1 041**	**198**	**92**	**142**	**224**	**224**
Buyers, purchasing agents, and sales managers	197	197	–	–	191	157	4	30	26	42	23
Restaurant, cafeteria, and bar managers	154	154	–	–	154	101	53	–	25	45	31
School administrators	92	88	4	–	88	46	42	–	5	5	–
Other specified managers and administrators	308	308	–	–	288	220	47	21	19	52	104
Managers and administrators, n.e.c., salaried	434	434	–	–	421	363	29	29	50	52	56
Wholesale and retail trade	120	120	–	–	115	102	4	9	23	10	17
Managers and administrators, n.e.c., self-employed	199	199	–	–	189	154	23	12	17	28	10
Wholesale and retail trade	138	138	–	–	128	115	6	7	12	13	10
Sales workers	**3 060**	**3 051**	**9**	–	**2 829**	**1 487**	**601**	**741**	**432**	**861**	**915**
Demonstrators, hucksters, and peddlers	201	201	–	–	151	70	29	52	9	33	71
Insurance, real estate agents, and brokers	276	276	–	–	276	168	73	35	5	26	47
Sales clerks, retail trade	2 031	2 022	9	–	1 922	1 025	381	516	332	726	615
Salesmen, retail trade	66	66	–	–	62	38	19	5	6	4	5
Other sales workers	486	486	–	–	418	186	99	133	80	72	177
Clerical and kindred workers	**13 753**	**13 646**	**98**	–	**13 039**	**8 713**	**2 271**	**2 055**	**1 759**	**3 543**	**3 341**
Bank tellers	246	246	–	–	239	144	52	43	42	62	45
Bookkeepers	1 624	1 620	–	–	1 584	1 207	233	144	200	361	279
Cashiers	1 169	1 163	6	–	1 095	555	245	295	105	303	392
Counter clerks, except food	134	134	–	–	126	81	27	18	22	60	86
Enumerators and interviewers	169	169	–	–	108	29	38	41	6	34	34
File clerks	237	231	6	–	226	126	45	55	38	80	90
Office machine operators	467	447	20	–	459	319	75	65	74	128	110
Bookkeeping and billing machine operators	70	64	6	–	70	45	15	10	10	28	7
Keypunch operators	308	294	14	–	300	208	43	49	53	48	65
Payroll and timekeeping clerks	162	162	–	–	162	117	18	27	45	38	24
Receptionists	446	446	–	–	404	266	65	73	37	111	84
Secretaries	4 126	4 111	10	–	3 944	2 807	677	460	546	1 157	771
Stenographers	180	180	–	–	171	138	25	8	26	54	43
Telephone operators	404	395	9	–	389	263	75	51	70	89	103
Typists	1 038	1 026	12	–	956	591	196	169	133	308	335
Other clerical and kindred workers	3 351	3 316	35	–	3 176	2 070	500	606	415	758	945
Craftsmen and kindred workers	**913**	**909**	**4**	–	**884**	**596**	**192**	**96**	**124**	**176**	**120**
Foremen, n.e.c	195	191	4	–	195	145	31	19	13	31	21
Operatives, except transport	**8 753**	**8 674**	**65**	**5**	**8 251**	**5 233**	**1 877**	**1 141**	**1 139**	**2 266**	**1 758**
Assemblers	1 703	1 665	32	–	1 646	1 001	388	257	107	338	354
Bottling and canning operatives	3	3	–	–	3	–	3	–	–	6	6
Checkers, examiners, and inspectors, manufacturing	739	730	9	–	711	538	123	50	58	118	72
Dressmakers and seamstresses, except factory	73	73	–	–	73	35	20	18	5	25	22
Laundry and drycleaning operatives, including ironers	236	233	3	–	222	174	26	22	51	51	82
Graders and sorters, manufacturing	64	64	–	–	60	25	26	9	9	17	4
Packers and wrappers, except produce	479	479	–	–	458	300	88	70	40	152	97
Sewers and stitchers	1 649	1 645	–	–	1 573	896	505	172	328	606	380
Textile operatives	29	29	–	–	24	15	5	4	12	19	9
Other specified operatives	2 326	2 314	12	5	2 097	1 287	470	340	322	534	440
Miscellaneous and not specified operatives	1 452	1 439	9	–	1 384	962	223	199	207	400	292
Manufacturing	1 347	1 334	9	–	1 290	903	214	173	179	355	271
Durable goods	787	778	5	–	744	513	123	108	68	149	155
Machinery, including electrical	456	451	5	–	429	281	62	86	19	86	108
Other durable goods	331	327	–	–	315	232	61	22	49	63	47
Nondurable goods, including not specified manufacturing	560	556	4	–	546	390	91	65	111	206	116
Food and kindred products	64	64	–	–	64	49	6	9	–	4	19
Apparel and other fabricated textile products	60	60	–	–	50	38	12	–	–	14	16
Nonmanufacturing industries	105	105	–	–	94	59	9	26	28	45	21
Transport equipment operatives	**311**	**304**	–	–	**274**	**87**	**134**	**53**	–	**23**	**29**
Laborers, except farm	**320**	**320**	–	–	**299**	**163**	**67**	**69**	**48**	**82**	**116**
Farmers and farm managers	**155**	**155**	–	–	**155**	**144**	–	**11**	**11**	**31**	**21**
Farm laborers and farm foremen	**132**	**128**	–	**8**	**112**	**49**	**20**	**43**	**12**	**29**	**73**
Paid farm laborers and farm foremen	91	87	–	8	71	14	14	43	12	29	60
Unpaid family workers	41	41	–	–	41	35	6	–	–	–	13
Service workers, except private household[1]	**7 421**	**7 341**	**69**	–	**6 844**	**3 418**	**1 762**	**1 664**	**519**	**1 790**	**2 069**
Cleaning service workers	916	892	19	–	861	467	190	204	47	197	122
Chambermaids and maids	284	277	7	–	262	122	62	78	15	89	80
Food service workers	2 899	2 869	24	–	2 646	1 081	848	717	223	825	963
Cooks, except private household	625	613	12	–	577	293	166	118	58	204	117
Waiters and food counter workers	1 697	1 679	12	–	1 531	592	477	462	137	516	678
Health service workers	1 543	1 536	7	–	1 449	932	219	298	123	393	438
Nursing aides, orderlies, and attendants	996	993	3	–	931	598	132	201	62	269	295
Practical nurses	278	274	4	–	262	165	48	49	25	54	92
Personal service workers	1 201	1 187	14	–	1 110	570	296	244	93	250	297
Hairdressers and cosmetologists	700	691	9	–	664	415	167	82	42	151	108
Private household workers	**1 014**	**974**	**40**	–	**914**	**348**	**308**	**258**	**128**	**354**	**301**
Private household workers, living in	90	90	–	–	76	54	22	–	–	5	6
Private household workers, living out	924	884	40	–	838	294	286	258	128	349	295
Unemployed persons, last worked 1959 or earlier[2]	**69**	**69**	–	–	...	...	...	...	...	...	...

[1]Includes protective service workers and allocated cases not shown separately. [2]See text for explanation.

Table 172. **Occupation of the Experienced Civilian Labor Force by Race and Sex, and Weeks Worked in 1969 and Experienced Workers Not in Labor Force by 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	Total experienced civilian labor force	White	Negro	Persons of Puerto Rican birth or parentage	Weeks worked in 1969 of the experienced civilian labor force: Total	50 to 52 weeks	27 to 49 weeks	1 to 26 weeks	Year last worked of experienced workers not in labor force: 1960-63	1964-68	1969-70
BUFFALO SMSA											
Male, 16 years old and over	**335 950**	**313 492**	**20 489**	**1 065**	**331 196**	**242 468**	**65 822**	**22 906**	**8 989**	**18 558**	**29 208**
Professional, technical, and kindred workers	**45 841**	**44 360**	**942**	**62**	**45 482**	**32 962**	**10 344**	**2 176**	**449**	**1 291**	**2 536**
Accountants	3 415	3 382	33	11	3 393	2 915	332	146	43	105	122
Architects	191	186	5	–	191	175	12	4	–	5	5
Computer specialists	999	993	6	–	999	846	99	54	–	–	21
Engineers	8 236	8 133	53	–	8 212	7 263	741	208	86	265	241
Aeronautical and astronautical	643	627	4	–	643	525	118	–	10	17	11
Civil	1 013	991	17	–	1 004	873	92	39	20	29	47
Electrical and electronic	1 291	1 278	8	–	1 286	1 137	128	21	5	64	26
Mechanical	1 324	1 303	10	–	1 324	1 162	112	50	17	49	24
Other engineers	3 965	3 934	14	–	3 955	3 566	291	98	34	106	133
Lawyers and judges	1 761	1 747	14	–	1 756	1 450	263	43	15	40	68
Life and physical scientists	1 446	1 410	16	–	1 430	1 262	121	47	29	73	57
Chemists	1 203	1 177	10	–	1 199	1 060	106	33	23	59	32
Physicians, dentists, and related practitioners	3 797	3 583	64	6	3 765	2 678	982	105	30	114	132
Dentists	620	610	10	–	620	279	332	9	5	25	12
Pharmacists	786	773	13	–	786	686	83	17	9	59	28
Physicians, medical and osteopathic	2 100	1 909	41	6	2 068	1 500	494	74	11	20	82
Other related practitioners	291	291	–	–	291	213	73	5	5	10	10
Health technologists and technicians	586	546	23	–	573	432	99	42	7	24	67
Religious workers	1 199	1 144	44	–	1 186	1 016	123	47	13	11	55
Social scientists	465	453	12	–	465	352	103	10	–	10	26
Social and recreation workers	955	878	77	–	943	736	120	87	31	44	339
Teachers	8 760	8 378	181	14	8 679	2 974	5 074	631	55	136	376
College and university	2 662	2 450	27	8	2 618	1 218	1 198	202	–	41	168
Elementary and prekindergarten	1 412	1 355	47	–	1 401	352	945	104	18	11	42
Secondary	4 286	4 186	94	6	4 272	1 192	2 803	277	37	74	139
Engineering and science technicians	5 448	5 352	74	13	5 412	4 364	835	213	62	137	276
Draftsmen and surveyors	2 223	2 184	34	6	2 209	1 789	301	119	40	59	91
Electrical and electronic engineering technicians	804	790	14	–	799	606	189	4	–	15	32
Technicians, except health, and engineering and science	552	544	4	–	552	453	78	21	–	13	33
Airplane pilots	151	151	–	–	151	121	30	–	–	–	5
Writers, artists, and entertainers	2 885	2 793	77	–	2 847	2 092	542	213	20	114	263
Other professional, technical, and kindred workers	5 146	4 838	259	18	5 079	3 954	820	305	58	200	455
Managers and administrators, except farm	**30 582**	**30 088**	**438**	**19**	**30 417**	**26 492**	**3 348**	**577**	**733**	**1 506**	**1 239**
Buyers, purchasing agents, and sales managers	4 419	4 379	36	13	4 410	3 969	396	45	29	145	70
School administrators	792	769	23	–	787	504	283	–	13	8	20
Specified managers and administrators, public administration	1 677	1 626	37	–	1 668	1 527	124	17	36	120	116
Other specified managers and administrators	5 831	5 705	117	–	5 771	4 951	636	184	202	372	390
Managers and administrators, n.e.c., salaried	14 792	14 618	145	6	14 726	13 036	1 438	252	319	614	418
Manufacturing	4 422	4 407	10	6	4 387	4 054	296	37	142	174	98
Wholesale and retail trade	4 619	4 550	51	–	4 604	4 179	351	74	75	164	92
Transportation, communications, and other public utilities	1 264	1 264	–	–	1 253	1 112	111	30	38	88	77
All other industries	4 487	4 397	84	–	4 482	3 691	680	111	64	188	151
Managers and administrators, n.e.c., self-employed	3 071	2 991	80	–	3 055	2 505	471	79	134	247	225
Construction	565	552	13	–	561	343	191	27	16	56	73
Manufacturing	238	238	–	–	238	203	35	–	16	10	15
Wholesale and retail trade	1 792	1 749	43	–	1 780	1 568	170	42	89	154	112
All other industries	476	452	24	–	476	391	75	10	13	27	25
Sales workers	**21 190**	**20 817**	**332**	**15**	**20 941**	**16 133**	**3 266**	**1 542**	**377**	**928**	**1 640**
Insurance agents, brokers, and underwriters	2 333	2 262	61	–	2 316	1 964	297	55	35	80	93
Real estate agents and brokers	751	738	13	–	751	571	137	43	11	45	37
Sales representatives, manufacturing industries	2 421	2 404	17	–	2 411	2 189	187	35	65	113	58
Sales representatives, wholesale trade	4 505	4 474	31	–	4 501	3 898	480	123	53	110	110
Sales clerks, retail trade	5 092	4 966	112	–	4 989	2 946	1 236	807	112	327	744
Salesmen, retail trade	2 534	2 508	15	9	2 505	1 951	404	150	62	46	103
Salesmen of services and construction	1 124	1 117	7	–	1 100	861	175	64	19	47	109
Other sales workers	2 430	2 348	76	6	2 368	1 753	350	265	20	160	386
Clerical and kindred workers	**25 450**	**24 301**	**1 073**	**24**	**25 140**	**19 282**	**3 904**	**1 954**	**646**	**1 410**	**2 557**
Bank tellers and cashiers	686	658	28	–	660	365	142	153	5	52	167
Bookkeepers and billing clerks	1 855	1 828	27	–	1 827	1 484	249	94	57	166	219
Mail handlers and postal clerks	3 821	3 593	223	–	3 816	3 279	374	163	82	140	263
Other clerical and kindred workers	19 088	18 222	795	24	18 837	14 154	3 139	1 544	502	1 052	1 908
Craftsmen and kindred workers	**79 542**	**75 526**	**3 537**	**176**	**78 784**	**59 825**	**15 867**	**3 092**	**2 688**	**4 794**	**4 489**
Apparel craftsmen and upholsterers	407	393	14	–	407	280	116	11	29	52	47
Bakers	645	607	38	6	636	523	80	33	19	78	35
Cabinetmakers	266	261	5	–	262	177	71	14	10	34	9
Construction craftsmen	17 849	16 942	656	19	17 692	10 359	6 200	1 133	740	1 100	1 235
Carpenters	4 040	3 955	69	–	4 013	2 004	1 799	210	231	255	367
Excavating, grading, and road machine operators	1 546	1 478	68	–	1 532	789	600	143	21	72	68
Electricians	3 796	3 725	52	–	3 775	3 080	593	102	108	228	114
Masons and tile setters	1 554	1 376	178	6	1 554	660	775	119	68	66	117
Painters, construction and maintenance, and paperhangers	1 825	1 662	111	6	1 787	826	662	299	112	186	316
Plasterers and cement finishers	733	655	74	7	721	183	450	88	43	24	44
Plumbers and pipe fitters	3 060	2 999	50	–	3 054	2 326	667	61	120	179	104
Other construction craftsmen	1 295	1 092	54	–	1 256	491	654	111	37	90	105
Foremen, n.e.c.	12 340	12 006	285	22	12 291	10 776	1 391	124	490	747	514
Manufacturing	8 446	8 195	225	14	8 417	7 568	804	45	304	514	324
Nonmanufacturing industries	3 894	3 811	60	8	3 874	3 208	587	79	186	233	190
Linemen and servicemen, telephone and power	1 930	1 865	50	–	1 915	1 696	177	42	26	47	102
Locomotive engineers and firemen	1 065	1 035	25	–	1 049	798	199	52	71	156	35
Mechanics and repairmen	17 436	16 737	643	64	17 296	13 790	2 729	777	405	782	640
Air conditioning, heating, and refrigeration	823	800	23	8	823	592	175	56	20	53	32
Aircraft	363	358	5	–	363	290	57	16	9	25	4
Automobile, including body	6 247	5 880	333	10	6 189	4 788	1 071	330	91	213	187
Radio and television	618	605	10	–	618	496	106	16	7	12	20
Other mechanics and repairmen	9 385	9 094	272	46	9 303	7 624	1 320	359	278	479	397
Metal craftsmen, except mechanics	12 382	11 631	717	13	12 312	9 821	2 161	330	382	732	427
Machinists and job and die setters	3 806	3 659	143	–	3 780	3 105	597	78	124	219	128
Sheetmetal workers and tinsmiths	1 262	1 240	16	–	1 262	947	265	50	28	55	28
Tool and die makers	2 757	2 696	41	–	2 739	2 194	458	87	57	144	51
Other metal craftsmen	4 557	4 036	517	13	4 531	3 575	841	115	173	314	220
Printing craftsmen	3 015	2 917	87	16	2 991	2 483	371	137	52	172	166
Compositors and typesetters	983	945	38	8	972	777	128	67	14	51	93
Pressmen and plate printers, printing	1 522	1 466	45	8	1 509	1 246	208	55	38	86	48
Stationary engineers and power station operators	1 526	1 442	72	–	1 526	1 340	160	26	42	125	57
Other craftsmen and kindred workers	10 681	9 690	945	36	10 407	7 782	2 212	413	422	769	1 222

Table 172. **Occupation of the Experienced Civilian Labor Force by Race and Sex, and Weeks Worked in 1969 and Experienced Workers Not in Labor Force by 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	Total experienced civilian labor force	White	Negro	Persons of Puerto Rican birth or parentage	Weeks worked in 1969 of the experienced civilian labor force: Total	50 to 52 weeks	27 to 49 weeks	1 to 26 weeks	Year last worked of experienced workers not in labor force: 1960-63	1964-68	1969-70
BUFFALO SMSA—Continued											
Male, 16 years old and over—Continued											
Operatives, except transport	**59 712**	**52 723**	**6 654**	**409**	**58 746**	**42 595**	**12 337**	**3 814**	**1 806**	**3 596**	**4 352**
Assemblers	6 016	5 172	834	48	5 964	4 127	1 436	401	108	335	389
Checkers, examiners, and inspectors, manufacturing	4 521	4 235	270	22	4 496	3 485	883	128	177	208	204
Garage workers and gas station attendants	2 206	2 018	183	6	2 025	787	523	715	28	58	389
Laundry and drycleaning operatives, n.e.c	391	327	64	–	364	253	71	40	11	60	25
Meat cutters and butchers	1 279	1 204	70	–	1 274	1 018	194	62	47	103	100
Mine operatives, n.e.c	104	92	12	–	100	58	42	–	11	19	7
Packers and wrappers, except produce	1 595	1 411	176	18	1 540	990	324	226	36	49	280
Painters, manufactured articles	825	759	66	–	816	614	141	61	16	21	49
Precision machine operatives	4 715	4 333	366	19	4 672	3 504	954	214	180	349	183
Sawyers	329	294	25	7	323	198	102	23	6	20	5
Stationary firemen	1 106	1 001	97	15	1 102	901	162	39	119	126	38
Textile operatives	306	284	18	8	297	183	87	27	19	16	28
Welders and flamecutters	4 492	4 148	298	20	4 437	3 318	969	150	74	164	166
Other metalworking operatives	4 613	3 842	744	31	4 570	3 285	1 073	212	191	328	257
Other specified operatives	7 867	6 624	1 145	33	7 689	5 404	1 772	513	209	474	859
Miscellaneous and not specified operatives	19 347	16 979	2 286	182	19 077	14 470	3 604	1 003	574	1 266	1 373
Occupation:											
Machine operatives, miscellaneous specified	7 382	6 488	869	91	7 292	5 686	1 302	304	247	550	450
Machine operatives, not specified	5 282	4 563	704	32	5 217	3 983	1 000	234	149	295	333
Miscellaneous operatives	4 417	3 952	429	30	4 322	3 194	775	353	109	239	386
Not specified operatives	2 266	1 976	284	29	2 246	1 607	527	112	69	182	204
Industry:											
Manufacturing	17 274	15 110	2 097	174	17 052	13 084	3 126	842	535	1 146	1 156
Durable goods	10 614	8 949	1 631	133	10 483	8 059	2 021	403	348	719	752
Wood products, including furniture	175	165	10	6	165	115	39	11	22	8	21
Primary metal industries	3 206	2 507	693	33	3 186	2 469	569	148	120	237	243
Fabricated metal industries	1 152	1 000	143	44	1 128	906	195	27	30	117	95
Machinery, including electrical	1 983	1 763	220	–	1 937	1 618	245	74	54	59	135
Motor vehicles and equipment	2 096	1 724	366	28	2 089	1 508	510	71	50	185	93
Transportation equipment, except motor vehicles	487	444	37	–	477	309	168	–	7	41	42
Other durable goods	1 515	1 346	162	22	1 501	1 134	295	72	65	72	123
Nondurable goods	6 556	6 067	456	41	6 465	4 947	1 079	439	187	420	399
Food and kindred products	863	749	101	13	823	564	158	101	44	107	78
Apparel and other fabricated textile products	73	65	8	–	73	68	5	–	5	7	10
Paper and allied products	1 246	1 210	36	6	1 231	922	235	74	18	94	84
Chemicals and allied products	2 443	2 231	192	7	2 422	1 946	365	111	71	153	125
Other nondurable goods	1 931	1 812	119	15	1 916	1 447	316	153	49	59	102
Not specified manufacturing industries	104	94	10	–	104	78	26	–	–	7	5
Nonmanufacturing industries	2 073	1 869	189	8	2 025	1 386	478	161	39	120	217
Transportation, communications, and other public utilities	420	404	16	–	420	314	56	50	13	43	46
Wholesale and retail trade	947	845	102	8	923	627	241	55	10	38	96
All other industries	706	620	71	–	682	445	181	56	16	39	75
Transport equipment operatives	**19 193**	**17 687**	**1 387**	**20**	**18 989**	**13 328**	**4 504**	**1 157**	**411**	**1 048**	**1 156**
Bus drivers	955	866	89	–	955	646	258	51	25	62	52
Taxicab drivers and chauffeurs	875	753	116	–	837	430	257	150	19	72	145
Truck drivers and deliverymen	12 739	11 981	702	20	12 624	8 916	2 953	755	216	635	687
Other transport equipment operatives	4 624	4 087	480	–	4 573	3 336	1 036	201	151	279	272
Laborers, except farm	**24 061**	**20 592**	**3 345**	**183**	**23 370**	**12 599**	**6 407**	**4 364**	**716**	**1 474**	**5 512**
Construction laborers	3 595	3 103	465	16	3 561	1 353	1 584	624	193	225	820
Freight, stock, and material handlers	10 919	10 011	858	95	10 590	5 719	2 692	2 179	229	474	2 250
Other specified laborers	3 960	3 174	757	7	3 791	2 099	888	804	107	367	1 567
Miscellaneous and not specified laborers	5 587	4 304	1 265	65	5 428	3 428	1 243	757	187	408	875
Occupation:											
Miscellaneous laborers	2 546	1 885	661	40	2 497	1 758	515	224	92	151	225
Not specified laborers	3 041	2 419	604	25	2 931	1 670	728	533	95	257	650
Industry:											
Manufacturing	4 093	2 981	1 104	30	4 020	2 639	908	473	156	285	561
Durable goods	3 454	2 446	1 004	22	3 396	2 266	768	362	113	201	423
Wood products, including furniture	36	36	–	–	36	22	8	6	–	–	8
Metal industries	2 465	1 770	691	16	2 421	1 630	515	276	93	172	326
Machinery, including electrical	258	195	63	–	258	152	64	42	15	9	35
Transportation equipment	497	286	211	–	488	350	115	23	–	12	32
Other durable goods	198	159	39	6	193	112	66	15	5	8	22
Nondurable goods	613	517	92	8	598	366	132	100	43	84	123
Food and kindred products	129	95	30	8	123	75	26	22	9	40	50
Not specified manufacturing industries	26	18	8	–	26	7	8	11	–	–	15
Nonmanufacturing industries	1 494	1 323	161	35	1 408	789	335	284	31	123	314
Railroads and railway express service	242	216	26	35	242	156	58	28	9	42	20
Transportation, except railroads	59	51	8	–	59	31	14	14	–	–	7
Communications, and utilities and sanitary services	265	255	10	–	260	197	52	11	9	27	42
Wholesale and retail trade	456	377	79	–	419	195	116	108	5	29	83
All other industries	472	424	38	–	428	210	95	123	8	25	162
Farmers and farm managers	**1 668**	**1 630**	**38**	**–**	**1 645**	**1 384**	**196**	**65**	**84**	**216**	**184**
Farm laborers and farm foremen	**1 207**	**1 068**	**69**	**22**	**1 156**	**618**	**250**	**288**	**50**	**62**	**543**
Paid farm laborers and farm foremen	1 140	1 001	69	22	1 095	567	240	288	50	62	486
Unpaid family workers	67	67	–	–	61	51	10	–	–	–	57
Service workers, except private household[1]	**27 322**	**24 550**	**2 642**	**135**	**26 483**	**17 242**	**5 394**	**3 847**	**1 009**	**2 208**	**4 958**
Cleaning service workers	9 315	7 989	1 308	48	9 051	5 826	1 883	1 342	407	1 020	1 620
Food service workers	5 787	5 266	463	53	5 373	2 298	1 574	1 501	152	409	1 699
Cooks, except private household	1 573	1 342	207	28	1 499	702	488	309	43	63	363
Busboys and dishwashers	1 550	1 426	120	9	1 336	268	387	681	24	110	825
Health service workers	1 169	938	224	14	1 144	704	221	219	24	53	171
Personal service workers	2 496	2 298	193	7	2 457	1 510	602	345	109	213	700
Protective service workers	7 109	6 903	206	13	7 060	5 927	849	284	243	420	414
Firemen, fire protection	1 656	1 656	–	–	1 656	1 575	70	11	30	34	37
Guards and watchmen	2 273	2 146	127	6	2 249	1 633	413	203	131	256	289
Policemen and detectives	2 814	2 741	73	–	2 794	2 470	292	32	44	104	67
Private household workers	**57**	**41**	**16**	**–**	**43**	**8**	**5**	**30**	**20**	**25**	**42**
Unemployed persons, last worked 1959 or earlier[2]	**125**	**109**	**16**	**–**	...	...	...	...	...	...	...

[1]Includes allocated cases not shown separately. [2]See text for explanation.

Table 172. **Occupation of the Experienced Civilian Labor Force by Race and Sex, and Weeks Worked in 1969 and Experienced Workers Not in Labor Force by 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	Total experienced civilian labor force	White	Negro	Persons of Puerto Rican birth or parentage	Weeks worked in 1969 of the experienced civilian labor force: Total	50 to 52 weeks	27 to 49 weeks	1 to 26 weeks	Year last worked of experienced workers not in labor force: 1960-63	1964-68	1969-70
BUFFALO SMSA—Continued											
Female, 16 years old and over	**197 457**	**180 553**	**15 733**	**412**	**189 189**	**98 893**	**57 487**	**32 809**	**20 272**	**45 829**	**47 331**
Professional, technical, and kindred workers	**31 494**	**29 556**	**1 708**	**69**	**30 655**	**11 267**	**14 656**	**4 732**	**2 425**	**5 280**	**6 338**
Accountants	1 103	1 060	43	–	1 077	811	166	100	75	223	161
Computer specialists	242	233	9	–	242	154	53	35	6	39	50
Librarians	604	562	22	–	581	226	239	116	18	77	88
Mathematical specialists	43	38	5	–	43	19	19	5	11	14	8
Life and physical scientists	138	129	5	–	138	111	11	16	29	36	31
Registered nurses, dietitians, and therapists	6 632	6 272	301	–	6 453	3 539	2 000	914	597	1 157	1 062
Dietitians	325	264	49	–	310	171	93	46	49	63	39
Registered nurses	5 966	5 683	241	–	5 827	3 209	1 818	800	512	1 048	956
Health technologists and technicians	1 770	1 578	188	–	1 729	998	500	231	180	304	243
Social scientists	134	126	8	15	134	80	44	10	–	15	13
Social and recreation workers	1 223	1 047	176	4	1 202	765	241	196	78	218	678
Teachers: College and university	1 048	981	54	–	1 033	266	638	129	23	101	203
Elementary and prekindergarten	8 672	8 285	374	29	8 498	937	6 149	1 412	746	1 471	1 746
Secondary	3 994	3 825	138	–	3 954	452	2 807	695	263	634	758
Other teachers	868	776	87	–	829	185	426	218	41	110	181
Engineering and science technicians	726	655	46	–	698	464	170	64	68	132	114
Technicians, except health, and engineering and science	61	53	8	–	61	26	27	8	–	5	–
Writers, artists, and entertainers	1 170	1 119	44	7	1 123	617	263	243	83	239	277
Actors and dancers	17	17	–	–	17	3	–	14	–	11	21
Authors, editors, and reporters	234	234	–	–	229	162	38	29	42	81	38
Other professional, technical, and kindred workers	3 066	2 817	200	14	2 860	1 617	903	340	207	505	725
Managers and administrators, except farm	**5 782**	**5 513**	**236**	**–**	**5 714**	**4 005**	**1 346**	**363**	**374**	**917**	**818**
Buyers, purchasing agents, and sales managers	989	946	43	–	984	732	217	35	68	151	105
Restaurant, cafeteria, and bar managers	751	715	31	–	725	456	210	59	59	209	80
School administrators	587	576	11	–	587	212	366	9	25	31	49
Other specified managers and administrators	1 109	1 050	53	–	1 097	797	204	96	74	141	307
Managers and administrators, n.e.c., salaried	1 788	1 711	60	–	1 783	1 385	284	114	106	281	215
Wholesale and retail trade	669	626	37	–	669	516	108	45	38	124	66
Managers and administrators, n.e.c., self-employed	558	515	38	–	538	423	65	50	42	104	62
Wholesale and retail trade	389	361	28	–	374	290	41	43	42	81	45
Sales workers	**19 619**	**19 030**	**540**	**6**	**18 594**	**9 020**	**5 133**	**4 441**	**2 229**	**5 584**	**6 183**
Demonstrators, hucksters, and peddlers	506	501	–	–	454	137	94	223	36	203	219
Insurance, real estate agents, and brokers	930	922	4	–	900	532	216	152	45	181	123
Sales clerks, retail trade	15 151	14 695	426	6	14 483	6 892	4 119	3 472	1 767	4 487	4 871
Salesmen, retail trade	467	452	15	–	434	229	100	105	54	102	114
Other sales workers	2 565	2 460	95	–	2 323	1 230	604	489	327	611	856
Clerical and kindred workers	**67 838**	**64 644**	**2 962**	**122**	**65 470**	**40 436**	**14 578**	**10 456**	**7 949**	**16 642**	**15 753**
Bank tellers	1 505	1 463	28	–	1 468	1 044	289	135	155	407	222
Bookkeepers	7 728	7 566	132	9	7 539	5 478	1 282	779	828	1 444	1 200
Cashiers	6 134	5 937	194	–	5 737	2 458	1 700	1 579	596	1 607	2 143
Counter clerks, except food	884	835	49	–	855	464	218	173	50	320	179
Enumerators and interviewers	248	206	42	–	201	26	90	85	36	201	140
File clerks	2 154	1 999	143	7	2 041	1 131	422	488	258	577	811
Office machine operators	2 731	2 586	133	–	2 675	1 671	611	393	367	703	600
Bookkeeping and billing machine operators	308	299	9	–	303	192	49	62	54	91	27
Keypunch operators	1 536	1 427	109	–	1 511	866	423	222	203	362	385
Payroll and timekeeping clerks	857	817	40	7	838	661	106	71	95	193	102
Receptionists	1 688	1 617	71	11	1 614	904	346	364	125	408	536
Secretaries	15 806	15 397	373	19	15 496	10 619	3 175	1 702	1 968	3 967	2 913
Stenographers	1 450	1 396	54	18	1 428	1 139	155	134	191	404	222
Telephone operators	2 478	2 297	181	–	2 400	1 470	439	491	483	905	523
Typists	7 431	7 027	378	20	7 182	4 059	1 772	1 351	1 128	2 091	1 793
Other clerical and kindred workers	16 744	15 501	1 144	31	15 996	9 312	3 973	2 711	1 669	3 415	4 369
Craftsmen and kindred workers	**3 238**	**2 924**	**276**	**6**	**3 164**	**1 938**	**886**	**340**	**346**	**643**	**646**
Foremen, n.e.c	707	642	49	–	702	551	118	33	71	126	39
Operatives, except transport	**23 656**	**20 224**	**3 270**	**150**	**22 849**	**12 627**	**7 041**	**3 181**	**2 619**	**5 708**	**5 034**
Assemblers	4 151	3 692	431	20	4 042	2 148	1 446	448	408	890	761
Bottling and canning operatives	92	62	20	–	92	27	24	41	38	109	104
Checkers, examiners, and inspectors, manufacturing	1 606	1 456	140	–	1 568	982	419	167	181	448	267
Dressmakers and seamstresses, except factory	679	614	61	–	660	285	261	114	91	174	148
Laundry and drycleaning operatives, including ironers	1 552	1 054	498	5	1 475	836	434	205	168	522	368
Graders and sorters, manufacturing	98	81	17	12	92	43	25	24	43	63	58
Packers and wrappers, except produce	2 860	2 533	297	11	2 770	1 497	759	514	411	780	849
Sewers and stitchers	1 671	1 334	313	41	1 582	882	566	134	279	507	317
Textile operatives	338	323	11	8	338	207	80	51	39	50	21
Other specified operatives	4 767	4 052	686	29	4 523	2 592	1 256	675	460	921	1 045
Miscellaneous and not specified operatives	5 842	5 023	796	24	5 707	3 128	1 771	808	501	1 244	1 096
Manufacturing	5 107	4 413	676	24	5 012	2 775	1 594	643	437	1 082	939
Durable goods	2 683	2 296	382	21	2 649	1 599	800	250	165	448	329
Machinery, including electrical	957	793	159	6	951	659	237	55	42	113	85
Other durable goods	1 726	1 503	223	15	1 698	940	563	195	123	335	244
Nondurable goods, including not specified manufacturing	2 424	2 117	294	3	2 363	1 176	794	393	272	634	610
Food and kindred products	615	540	70	–	585	222	205	158	95	167	214
Apparel and other fabricated textile products	115	92	23	–	109	48	41	20	5	28	15
Nonmanufacturing industries	735	610	120	–	695	353	177	165	64	162	157
Transport equipment operatives	**1 221**	**1 163**	**45**	**–**	**1 154**	**304**	**653**	**197**	**47**	**75**	**195**
Laborers, except farm	**1 812**	**1 633**	**179**	**10**	**1 713**	**843**	**471**	**399**	**112**	**469**	**647**
Farmers and farm managers	**130**	**105**	**25**	**–**	**125**	**109**	**6**	**10**	**5**	**45**	**54**
Farm laborers and farm foremen	**384**	**270**	**83**	**6**	**351**	**175**	**107**	**69**	**29**	**226**	**294**
Paid farm laborers and farm foremen	280	171	78	6	252	87	102	63	22	186	240
Unpaid family workers	104	99	5	–	99	88	5	6	7	40	54
Service workers, except private household[1]	**38 051**	**32 569**	**5 202**	**33**	**36 081**	**16 944**	**11 524**	**7 613**	**3 667**	**9 134**	**10 301**
Cleaning service workers	6 042	5 007	1 001	7	5 813	3 304	1 485	1 024	679	1 483	1 219
Chambermaids and maids	1 362	1 071	284	–	1 286	645	375	266	185	403	355
Food service workers	15 530	14 316	1 118	17	14 766	5 773	5 306	3 687	1 749	4 470	4 897
Cooks, except private household	3 069	2 680	380	–	2 954	1 304	1 128	522	343	798	687
Waiters and food counter workers	9 038	8 596	358	10	8 507	3 224	2 991	2 292	1 065	2 916	3 315
Health service workers	8 319	6 102	2 169	5	7 856	4 430	1 954	1 472	458	1 496	1 851
Nursing aides, orderlies, and attendants	5 262	3 508	1 721	–	4 932	2 822	1 211	899	280	953	1 310
Practical nurses	1 709	1 409	290	–	1 640	908	451	281	73	294	287
Personal service workers	4 822	4 402	370	–	4 627	2 025	1 717	885	506	1 218	1 376
Hairdressers and cosmetologists	2 633	2 522	91	–	2 542	1 250	894	398	336	739	449
Private household workers	**3 641**	**2 431**	**1 107**	**–**	**3 319**	**1 225**	**1 086**	**1 008**	**470**	**1 106**	**1 068**
Private household workers, living in	329	310	5	–	329	179	109	41	–	–	–
Private household workers, living out	3 312	2 121	1 102	–	2 990	1 046	977	967	470	1 106	1 068
Unemployed persons, last worked 1959 or earlier[2]	**591**	**491**	**100**	**10**	...	...	...	...	...	...	...

[1]Includes protective service workers and allocated cases not shown separately. [2]See text for explanation.

Table 172. **Occupation of the Experienced Civilian Labor Force by Race and Sex, and Weeks Worked in 1969 and Experienced Workers Not in Labor Force by 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	Total experienced civilian labor force	White	Negro	Persons of Puerto Rican birth or parentage	Weeks worked in 1969 of the experienced civilian labor force: Total	50 to 52 weeks	27 to 49 weeks	1 to 26 weeks	Year last worked of experienced workers not in labor force: 1960-63	1964-68	1969-70
NEW YORK SMSA											
Male, 16 years old and over	**2 902 330**	**2 484 962**	**376 242**	**162 164**	**2 847 805**	**2 049 548**	**610 642**	**187 615**	**60 752**	**164 655**	**263 052**
Professional, technical, and kindred workers	**482 727**	**444 031**	**29 545**	**6 300**	**477 688**	**345 684**	**103 973**	**28 031**	**4 069**	**12 723**	**29 609**
Accountants	49 610	46 615	2 156	393	49 268	41 020	6 063	2 185	506	1 231	1 761
Architects	4 844	4 413	195	5	4 789	3 741	873	175	42	93	193
Computer specialists	15 313	13 954	1 067	186	15 213	12 573	2 019	621	6	95	553
Engineers	55 351	52 288	1 535	289	54 997	47 023	6 286	1 688	691	1 490	1 804
Aeronautical and astronautical	4 262	4 164	50	30	4 256	3 766	402	88	–	22	64
Civil	9 194	8 433	356	42	9 133	7 847	992	294	130	301	456
Electrical and electronic	15 279	14 425	429	81	15 175	13 254	1 533	388	158	388	454
Mechanical	7 021	6 633	218	39	6 976	5 838	881	257	161	234	232
Other engineers	19 595	18 633	482	97	19 457	16 318	2 478	661	242	545	598
Lawyers and judges	31 990	31 442	464	97	31 893	26 115	4 601	1 177	184	546	1 114
Life and physical scientists	6 727	6 017	429	78	6 675	5 549	804	322	70	182	312
Chemists	4 389	3 915	268	65	4 353	3 604	518	231	61	149	162
Physicians, dentists, and related practitioners	43 938	41 236	1 127	147	43 723	29 160	13 097	1 466	349	1 059	1 211
Dentists	8 843	8 580	227	14	8 843	4 628	3 986	229	106	241	200
Pharmacists	7 039	6 855	137	52	7 030	5 741	1 036	253	129	374	343
Physicians, medical and osteopathic	25 230	23 010	732	74	25 028	16 769	7 344	915	103	399	582
Other related practitioners	2 826	2 791	31	7	2 822	2 022	731	69	11	45	86
Health technologists and technicians	5 862	4 062	1 559	428	5 781	4 210	1 081	490	34	268	680
Religious workers	8 362	7 422	851	125	8 255	6 538	1 344	373	80	287	495
Social scientists	8 911	8 410	313	52	8 846	6 773	1 690	383	26	140	305
Social and recreation workers	12 069	8 859	2 959	632	11 859	8 786	2 049	1 024	94	788	4 569
Teachers	73 495	69 430	3 411	561	72 606	36 850	29 353	6 403	426	1 193	3 357
College and university	16 053	15 126	580	42	15 852	9 051	5 579	1 222	77	341	959
Elementary and prekindergarten	17 172	16 007	1 073	157	16 891	7 926	7 051	1 914	85	257	889
Secondary	35 220	33 728	1 320	226	34 890	17 217	14 930	2 743	206	440	1 019
Engineering and science technicians	29 154	26 114	2 424	763	28 774	22 394	4 690	1 690	189	1 019	2 149
Draftsmen and surveyors	14 289	12 837	1 080	328	14 061	10 803	2 353	905	113	530	988
Electrical and electronic engineering technicians	8 213	7 382	717	234	8 163	6 524	1 305	334	33	145	377
Technicians, except health, and engineering and science	6 106	5 677	381	118	6 082	5 053	875	154	30	182	195
Airplane pilots	1 847	1 803	34	–	1 847	1 529	308	10	6	39	47
Writers, artists, and entertainers	66 646	61 726	3 849	1 263	65 962	43 535	16 685	5 742	629	1 982	4 634
Other professional, technical, and kindred workers	64 349	56 366	6 825	1 163	62 965	46 364	12 463	4 138	713	2 168	6 277
Managers and administrators, except farm	**358 112**	**337 703**	**15 974**	**7 058**	**355 583**	**304 172**	**43 595**	**7 816**	**5 889**	**14 763**	**13 461**
Buyers, purchasing agents, and sales managers	48 390	46 791	1 200	522	48 162	42 360	4 962	840	506	1 596	1 261
School administrators	7 607	7 254	322	57	7 578	4 972	2 508	98	62	196	278
Specified managers and administrators, public administration	15 519	13 972	1 331	218	15 468	13 751	1 436	281	375	791	815
Other specified managers and administrators	76 834	70 083	5 333	2 346	75 696	62 176	10 998	2 522	1 708	3 915	4 082
Managers and administrators, n.e.c., salaried	181 984	173 469	6 742	2 862	181 162	158 618	19 193	3 351	2 148	5 819	5 264
Manufacturing	51 145	49 788	1 049	438	50 982	45 914	4 400	668	664	1 505	1 275
Wholesale and retail trade	51 094	48 188	2 068	1 239	50 866	44 265	5 681	920	576	1 695	1 469
Transportation, communications, and other public utilities	18 094	17 196	709	137	18 033	16 078	1 660	295	244	682	570
All other industries	61 651	58 297	2 916	1 048	61 281	52 361	7 452	1 468	664	1 937	1 950
Managers and administrators, n.e.c., self-employed	27 778	26 134	1 046	1 053	27 517	22 295	4 498	724	1 090	2 446	1 761
Construction	2 971	2 800	171	6	2 931	1 958	861	112	107	238	239
Manufacturing	3 546	3 477	31	45	3 530	2 813	648	69	187	257	226
Wholesale and retail trade	13 269	12 611	511	894	13 161	11 074	1 779	308	616	1 404	776
All other industries	7 992	7 246	333	108	7 895	6 450	1 210	235	180	547	520
Sales workers	**256 037**	**239 936**	**13 980**	**8 012**	**252 145**	**189 565**	**46 171**	**16 409**	**4 766**	**12 285**	**20 651**
Insurance agents, brokers, and underwriters	21 408	20 261	997	480	21 208	17 419	3 188	601	341	776	641
Real estate agents and brokers	8 812	8 230	538	106	8 711	6 478	1 899	334	255	569	652
Sales representatives, manufacturing industries	35 657	34 584	856	419	35 465	29 805	4 668	992	545	1 343	1 382
Sales representatives, wholesale trade	42 631	41 077	1 103	661	42 376	34 819	6 323	1 234	619	1 567	1 448
Sales clerks, retail trade	73 329	66 311	6 256	4 683	71 686	46 227	16 719	8 740	1 756	4 556	10 109
Salesmen, retail trade	17 569	16 367	1 120	672	17 363	13 198	3 193	972	257	702	1 282
Salesmen of services and construction	12 093	11 282	727	125	11 982	9 152	2 089	741	163	350	820
Other sales workers	44 538	41 824	2 383	866	43 354	32 467	8 092	2 795	830	2 422	4 317
Clerical and kindred workers	**369 370**	**303 758**	**61 149**	**22 130**	**359 598**	**253 360**	**70 572**	**35 666**	**6 247**	**20 591**	**49 480**
Bank tellers and cashiers	17 723	14 475	2 863	1 232	17 118	9 432	4 868	2 818	300	1 178	3 079
Bookkeepers and billing clerks	33 087	28 717	3 774	1 099	32 649	24 437	5 867	2 345	595	1 700	2 740
Mail handlers and postal clerks	55 574	43 464	11 660	3 448	54 560	41 275	9 096	4 189	882	2 681	5 934
Other clerical and kindred workers	262 986	217 102	42 852	16 351	255 271	178 216	50 741	26 314	4 470	15 032	37 727
Craftsmen and kindred workers	**499 434**	**438 839**	**57 464**	**25 089**	**491 799**	**353 635**	**114 807**	**23 357**	**13 314**	**33 203**	**33 796**
Apparel craftsmen and upholsterers	15 695	14 079	1 501	1 108	15 442	9 875	4 754	813	777	1 536	1 144
Bakers	8 707	7 441	1 172	601	8 621	6 209	2 145	267	450	950	799
Cabinetmakers	4 007	3 542	438	391	3 948	2 738	1 007	203	107	292	224
Construction craftsmen	120 747	108 454	11 781	4 217	119 126	68 106	43 403	7 617	4 163	10 273	8 736
Carpenters	33 220	30 104	2 985	1 012	32 754	17 352	13 119	2 283	1 172	2 731	2 211
Excavating, grading, and road machine operators	5 316	4 984	316	45	5 298	3 194	1 957	147	82	294	308
Electricians	22 843	20 485	2 217	772	22 542	17 186	4 507	849	404	1 344	1 091
Masons and tile setters	9 188	8 046	1 125	155	9 062	3 408	4 962	692	467	945	628
Painters, construction and maintenance, and paperhangers	20 495	17 681	2 696	1 376	20 131	9 551	8 595	1 985	1 035	2 506	2 601
Plasterers and cement finishers	4 525	3 936	582	142	4 466	1 778	2 274	414	311	520	424
Plumbers and pipe fitters	18 478	17 094	1 346	580	18 259	12 302	5 122	835	487	1 485	1 062
Other construction craftsmen	6 682	6 124	514	135	6 614	3 335	2 867	412	205	448	411
Foremen, n.e.c.	65 383	59 006	6 026	3 785	65 103	55 827	8 203	1 073	1 238	3 394	2 286
Manufacturing	30 521	27 513	2 875	2 659	30 389	26 209	3 717	463	628	1 553	965
Nonmanufacturing industries	34 862	31 493	3 151	1 126	34 714	29 618	4 486	610	610	1 841	1 321
Linemen and servicemen, telephone and power	27 593	24 469	2 977	824	27 007	20 365	4 677	1 965	361	876	1 120
Locomotive engineers and firemen	1 282	1 133	149	–	1 278	1 022	246	10	60	107	86
Mechanics and repairmen	110 540	94 422	15 303	6 452	109 310	84 453	20 199	4 658	1 619	4 818	5 019
Air conditioning, heating, and refrigeration	8 093	7 363	656	492	8 017	6 282	1 408	327	72	264	392
Aircraft	8 199	7 530	593	356	8 154	7 161	884	109	78	137	146
Automobile, including body	39 823	31 690	7 856	2 731	39 255	29 098	8 053	2 104	460	1 738	1 780
Radio and television	7 332	6 123	1 105	529	7 250	5 269	1 616	365	124	277	378
Other mechanics and repairmen	47 093	41 716	5 093	2 344	46 634	36 643	8 238	1 753	885	2 402	2 323
Metal craftsmen, except mechanics	29 341	26 611	2 620	1 442	29 115	22 919	5 275	921	850	1 828	1 479
Machinists and job and die setters	13 256	11 738	1 455	804	13 137	10 487	2 184	466	365	904	681
Sheetmetal workers and tinsmiths	5 294	4 986	302	110	5 269	3 689	1 434	146	121	233	271
Tool and die makers	5 760	5 512	211	241	5 719	4 804	776	139	162	302	196
Other metal craftsmen	5 031	4 375	652	287	4 990	3 939	881	170	202	389	331
Printing craftsmen	31 618	28 188	3 240	2 172	31 244	23 451	6 529	1 264	688	1 684	1 401
Compositors and typesetters	13 059	11 493	1 461	941	12 890	9 448	2 912	530	281	649	522
Pressmen and plate printers, printing	13 684	12 331	1 300	844	13 543	10 274	2 728	541	322	708	623
Stationary engineers and power station operators	6 715	6 093	594	132	6 668	5 615	863	190	331	507	419
Other craftsmen and kindred workers	77 806	65 401	11 663	3 965	74 937	53 055	17 506	4 376	2 670	6 938	11 083

Table 172. **Occupation of the Experienced Civilian Labor Force by Race and Sex, and Weeks Worked in 1969 and Experienced Workers Not in Labor Force by 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	Total experienced civilian labor force	White	Negro	Persons of Puerto Rican birth or parentage	Weeks worked in 1969 of the experienced civilian labor force: Total	50 to 52 weeks	27 to 49 weeks	1 to 26 weeks	Year last worked of experienced workers not in labor force: 1960-63	1964-68	1969-70
NEW YORK SMSA—Continued											
Male, 16 years old and over—Continued											
Operatives, except transport	**257 466**	**202 570**	**49 914**	**36 601**	**250 757**	**164 321**	**66 907**	**19 529**	**8 736**	**20 912**	**26 007**
Assemblers	15 220	12 097	2 999	2 127	14 826	9 727	3 873	1 226	394	987	1 753
Checkers, examiners, and inspectors, manufacturing	10 009	8 755	1 156	505	9 866	7 529	1 862	475	264	608	687
Garage workers and gas station attendants	9 210	7 272	1 923	617	8 769	3 923	2 553	2 293	142	426	1 778
Laundry and drycleaning operatives, n.e.c	6 732	3 966	1 641	893	6 537	4 464	1 638	435	213	688	483
Meat cutters and butchers	16 558	15 140	1 361	780	16 415	13 341	2 525	549	544	1 399	873
Mine operatives, n.e.c	266	210	56	20	260	153	78	29	19	21	37
Packers and wrappers, except produce	14 908	11 227	3 514	3 753	14 295	8 426	3 907	1 962	362	1 172	2 585
Painters, manufactured articles	3 205	2 427	752	809	3 149	2 101	881	167	109	186	215
Precision machine operatives	6 254	5 519	675	450	6 161	4 619	1 235	307	190	517	503
Sawyers	812	610	194	184	799	561	201	37	4	51	54
Stationary firemen	3 928	2 988	889	268	3 918	3 246	563	109	181	348	215
Textile operatives	4 935	4 028	850	980	4 787	3 030	1 443	314	153	336	386
Welders and flamecutters	9 514	7 305	2 134	949	9 442	6 705	2 319	418	281	445	454
Other metalworking operatives	9 530	7 347	2 059	2 049	9 323	6 396	2 348	579	349	826	716
Other specified operatives	82 686	63 234	17 135	8 980	80 131	47 728	26 378	6 025	3 698	8 130	9 409
Miscellaneous and not specified operatives	63 699	50 445	12 576	13 237	62 079	42 372	15 103	4 604	1 833	4 772	5 859
Occupation:											
Machine operatives, miscellaneous specified	18 638	14 884	3 618	3 824	18 245	12 599	4 502	1 144	652	1 589	1 617
Machine operatives, not specified	16 840	12 630	4 027	4 579	16 300	11 366	3 831	1 103	373	1 056	1 357
Miscellaneous operatives	20 442	16 712	3 479	3 072	20 024	13 558	4 741	1 725	609	1 448	1 967
Not specified operatives	7 779	6 219	1 452	1 762	7 510	4 849	2 029	632	199	679	918
Industry:											
Manufacturing	49 178	38 719	9 903	11 803	47 875	32 774	11 737	3 364	1 487	3 794	4 276
Durable goods	26 161	20 785	5 134	6 018	25 481	17 997	5 717	1 767	764	1 786	2 105
Wood products, including furniture	1 732	1 411	297	565	1 671	1 153	369	149	92	94	161
Primary metal industries	2 483	1 783	670	530	2 446	1 853	495	98	66	217	152
Fabricated metal industries	3 949	3 004	931	904	3 812	2 673	895	244	93	200	323
Machinery, including electrical	6 962	5 796	1 132	1 377	6 832	4 875	1 402	555	140	416	549
Motor vehicles and equipment	582	345	215	100	549	319	184	46	24	38	46
Transportation equipment, except motor vehicles	1 395	1 233	162	141	1 371	1 121	221	29	73	90	74
Other durable goods	9 058	7 213	1 727	2 401	8 800	6 003	2 151	646	276	731	800
Nondurable goods	21 528	16 884	4 354	5 206	20 955	13 992	5 442	1 521	713	1 864	2 009
Food and kindred products	4 117	3 248	750	628	4 013	2 889	904	220	134	497	366
Apparel and other fabricated textile products	3 356	2 738	563	846	3 241	1 843	1 159	239	112	304	453
Paper and allied products	3 920	2 863	1 039	1 440	3 806	2 782	809	215	125	238	254
Chemicals and allied products	2 348	1 795	502	342	2 316	1 699	447	170	66	167	178
Other nondurable goods	7 787	6 240	1 500	1 950	7 579	4 779	2 123	677	276	658	758
Not specified manufacturing industries	1 489	1 050	415	579	1 439	785	578	76	10	144	162
Nonmanufacturing industries	14 521	11 726	2 673	1 434	14 204	9 598	3 366	1 240	346	978	1 583
Transportation, communications, and other public utilities	3 901	3 259	610	240	3 872	3 005	658	209	82	209	208
Wholesale and retail trade	4 752	3 740	974	551	4 619	2 783	1 344	492	159	440	582
All other industries	5 868	4 727	1 089	643	5 713	3 810	1 364	539	105	329	793
Transport equipment operatives	**169 893**	**127 836**	**40 979**	**12 006**	**166 641**	**111 995**	**43 452**	**11 194**	**3 404**	**10 071**	**14 589**
Bus drivers	16 749	11 711	4 988	726	16 631	12 373	3 790	468	182	781	694
Taxicab drivers and chauffeurs	34 170	26 947	7 009	3 081	33 617	18 172	12 158	3 287	602	2 130	3 204
Truck drivers and deliverymen	88 944	70 523	18 003	6 620	87 481	60 755	21 033	5 693	1 844	5 306	7 381
Other transport equipment operatives	30 030	18 655	10 979	1 579	28 912	20 695	6 471	1 746	776	1 854	3 310
Laborers, except farm	**154 044**	**119 973**	**32 877**	**10 282**	**148 453**	**85 217**	**43 413**	**19 823**	**4 209**	**12 238**	**30 056**
Construction laborers	25 908	20 855	4 921	930	25 197	12 299	10 448	2 450	905	2 260	3 575
Freight, stock, and material handlers	71 741	58 385	12 937	4 744	69 136	39 584	18 446	11 106	1 510	4 957	14 165
Other specified laborers	38 731	27 717	10 545	2 249	36 980	22 237	10 297	4 446	1 212	2 960	9 127
Miscellaneous and not specified laborers	17 664	13 016	4 474	2 359	17 140	11 097	4 222	1 821	582	2 061	3 189
Occupation:											
Miscellaneous laborers	5 276	3 762	1 478	305	5 175	3 810	1 086	279	203	492	630
Not specified laborers	12 388	9 254	2 996	2 054	11 965	7 287	3 136	1 542	379	1 569	2 559
Industry:											
Manufacturing	3 748	2 733	967	903	3 635	2 109	1 101	425	192	579	756
Durable goods	1 952	1 388	548	393	1 903	1 136	530	237	64	248	397
Wood products, including furniture	155	100	55	21	150	92	42	16	–	26	46
Metal industries	660	459	201	109	651	435	150	66	15	82	135
Machinery, including electrical	285	179	101	31	277	183	63	31	16	26	70
Transportation equipment	286	218	68	26	270	173	55	42	24	74	38
Other durable goods	566	432	123	206	555	253	220	82	9	40	108
Nondurable goods	1 617	1 215	373	446	1 561	896	492	173	93	171	235
Food and kindred products	444	356	75	125	440	250	159	31	48	63	47
Not specified manufacturing industries	179	130	46	64	171	77	79	15	35	160	124
Nonmanufacturing industries	13 916	10 283	3 507	1 456	13 505	8 988	3 121	1 396	390	1 482	2 433
Railroads and railway express service	841	523	318	33	825	650	147	28	31	93	117
Transportation, except railroads	2 207	1 318	879	160	2 171	1 622	434	115	71	213	165
Communications, and utilities and sanitary services	1 861	1 515	334	67	1 816	1 399	310	107	73	176	179
Wholesale and retail trade	2 586	1 949	602	331	2 453	1 248	708	497	58	279	636
All other industries	6 421	4 978	1 374	865	6 240	4 069	1 522	649	157	721	1 336
Farmers and farm managers	**2 393**	**2 140**	**233**	**34**	**2 335**	**1 807**	**481**	**47**	**215**	**374**	**346**
Farm laborers and farm foremen	**3 512**	**2 568**	**904**	**425**	**3 324**	**1 665**	**1 118**	**541**	**221**	**540**	**1 349**
Paid farm laborers and farm foremen	3 409	2 489	880	419	3 221	1 655	1 055	511	205	516	1 239
Unpaid family workers	103	79	24	6	103	10	63	30	16	24	110
Service workers, except private household[1]	**344 503**	**262 858**	**71 340**	**33 778**	**336 464**	**236 254**	**75 373**	**24 837**	**9 566**	**26 584**	**43 247**
Cleaning service workers	84 148	58 337	25 138	12 025	82 195	59 119	17 856	5 220	2 582	7 492	8 523
Food service workers	86 026	66 205	11 736	11 925	83 592	48 647	25 092	9 853	2 409	7 650	13 965
Cooks, except private household	29 770	20 206	5 807	4 360	29 091	18 689	7 942	2 460	899	2 483	2 804
Busboys and dishwashers	9 801	8 145	1 368	2 015	9 227	3 946	2 703	2 578	271	1 143	3 642
Health service workers	11 520	6 042	5 344	1 331	11 265	7 954	2 406	905	207	732	1 353
Personal service workers	41 307	34 090	6 772	4 018	40 476	27 268	9 662	3 546	1 550	4 088	9 094
Protective service workers	91 057	78 434	12 376	2 877	90 299	74 420	12 991	2 888	1 674	4 237	4 261
Firemen, fire protection	14 403	13 794	595	86	14 385	13 131	1 177	77	250	566	398
Guards and watchmen	26 693	19 661	6 885	1 682	26 154	17 864	6 035	2 255	961	2 570	2 834
Policemen and detectives	47 964	43 329	4 567	1 063	47 763	41 789	5 485	489	418	971	956
Private household workers	**3 109**	**1 476**	**1 458**	**211**	**3 018**	**1 873**	**780**	**365**	**116**	**371**	**461**
Unemployed persons, last worked 1959 or earlier[2]	**1 730**	**1 274**	**425**	**238**	...	...	...	...	...	...	...

[1]Includes allocated cases not shown separately. [2]See text for explanation.

Table 172. **Occupation of the Experienced Civilian Labor Force by Race and Sex, and Weeks Worked in 1969 and Experienced Workers Not in Labor Force by 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	Total experienced civilian labor force	White	Negro	Persons of Puerto Rican birth or parentage	Weeks worked in 1969 of the experienced civilian labor force: Total	50 to 52 weeks	27 to 49 weeks	1 to 26 weeks	Year last worked of experienced workers not in labor force: 1960-63	1964-68	1969-70
NEW YORK SMSA—Continued											
Female, 16 years old and over	**1 872 760**	**1 519 496**	**326 617**	**77 512**	**1 790 107**	**996 297**	**544 044**	**249 766**	**162 901**	**370 472**	**372 325**
Professional, technical, and kindred workers	**312 346**	**267 945**	**38 719**	**4 860**	**303 554**	**153 112**	**108 454**	**41 988**	**17 665**	**44 772**	**50 120**
Accountants	10 013	8 536	1 146	169	9 837	7 058	1 898	881	515	1 168	963
Computer specialists	5 005	4 522	350	17	4 933	3 535	905	493	106	358	360
Librarians	5 289	4 859	355	15	5 182	2 911	1 632	639	240	602	619
Mathematical specialists	1 470	1 331	64	8	1 466	1 125	232	109	109	183	180
Life and physical scientists	2 007	1 675	193	33	1 980	1 356	417	207	167	306	199
Registered nurses, dietitians, and therapists	54 933	39 635	13 746	1 085	53 751	28 824	17 729	7 198	2 775	7 878	7 300
Dietitians	2 359	1 059	1 039	117	2 303	1 498	595	210	137	302	208
Registered nurses	49 268	35 580	12 417	914	48 232	25 514	16 164	6 554	2 480	7 142	6 671
Health technologists and technicians	9 657	7 269	2 070	415	9 443	6 060	2 520	863	584	1 427	1 128
Social scientists	2 883	2 710	140	42	2 816	1 635	961	220	62	202	270
Social and recreation workers	16 340	11 718	4 414	748	15 947	10 099	4 028	1 820	614	2 370	5 727
Teachers: College and university	7 886	7 322	410	63	7 680	3 080	3 511	1 089	202	651	1 009
Elementary and prekindergarten	70 521	64 773	5 364	599	68 878	25 337	32 270	11 271	5 249	13 513	12 271
Secondary	29 603	27 753	1 723	201	29 066	11 012	13 626	4 428	1 593	4 475	4 344
Other teachers	6 671	5 932	619	78	6 511	1 942	3 283	1 286	297	854	1 188
Engineering and science technicians	3 649	3 154	364	27	3 593	2 256	953	384	317	673	511
Technicians, except health, and engineering and science	469	406	46	–	469	281	133	55	4	48	35
Writers, artists, and entertainers	35 436	33 655	1 207	521	34 622	17 987	10 903	5 732	1 979	4 367	5 588
Actors and dancers	2 681	2 454	174	84	2 580	525	986	1 069	98	374	619
Authors, editors, and reporters	12 063	11 706	268	67	11 836	7 092	3 336	1 408	475	1 268	1 418
Other professional, technical, and kindred workers	50 514	42 695	6 508	839	47 380	28 614	13 453	5 313	2 852	5 697	8 428
Managers and administrators, except farm	**68 247**	**61 672**	**5 729**	**1 247**	**66 935**	**49 472**	**13 587**	**3 876**	**3 688**	**8 298**	**8 037**
Buyers, purchasing agents, and sales managers	11 536	10 861	602	154	11 388	8 632	2 066	690	822	1 623	1 132
Restaurant, cafeteria, and bar managers	2 924	2 431	419	46	2 868	1 721	977	170	233	544	477
School administrators	3 788	3 353	404	45	3 737	2 234	1 412	91	129	283	319
Other specified managers and administrators	15 748	13 434	2 118	331	15 183	11 250	2 863	1 070	861	1 853	2 624
Managers and administrators, n.e.c., salaried	30 434	28 178	1 963	541	30 055	23 105	5 347	1 603	1 312	3 261	2 890
Wholesale and retail trade	6 934	6 517	331	133	6 817	5 134	1 255	428	335	919	795
Managers and administrators, n.e.c., self-employed	3 817	3 415	223	130	3 704	2 530	922	252	331	734	595
Wholesale and retail trade	1 971	1 806	135	116	1 909	1 313	482	114	196	481	263
Sales workers	**121 850**	**111 435**	**9 470**	**3 298**	**115 010**	**56 206**	**35 184**	**23 620**	**11 237**	**28 688**	**37 327**
Demonstrators, hucksters, and peddlers	1 812	1 599	194	85	1 570	506	609	455	153	624	894
Insurance, real estate agents, and brokers	7 296	6 891	355	55	7 094	4 461	1 852	781	371	1 148	1 118
Sales clerks, retail trade	80 235	73 832	5 730	2 268	76 464	34 290	24 350	17 824	7 951	21 308	26 522
Salesmen, retail trade	2 858	2 637	209	96	2 740	1 492	776	472	211	502	837
Other sales workers	29 649	26 476	2 982	794	27 142	15 457	7 597	4 088	2 551	5 106	7 956
Clerical and kindred workers	**815 532**	**691 492**	**116 218**	**25 550**	**784 150**	**486 182**	**191 185**	**106 783**	**76 484**	**157 202**	**161 790**
Bank tellers	14 079	11 693	2 195	662	13 680	8 763	3 172	1 745	1 088	2 572	2 126
Bookkeepers	92 647	85 332	6 444	1 860	90 641	63 139	18 893	8 609	8 018	15 519	11 973
Cashiers	36 624	32 046	4 036	1 232	34 155	12 969	11 014	10 172	2 368	7 741	12 720
Counter clerks, except food	8 058	6 724	1 252	241	7 633	4 474	1 918	1 241	617	1 953	1 976
Enumerators and interviewers	1 937	1 494	432	126	1 683	809	445	429	259	482	936
File clerks	37 772	29 334	8 044	1 671	35 390	18 571	8 848	7 971	4 155	8 663	12 275
Office machine operators	32 809	24 321	8 001	1 293	31 886	20 659	7 774	3 453	3 554	6 754	5 449
Bookkeeping and billing machine operators	4 784	3 926	790	126	4 652	3 159	1 034	459	579	1 019	651
Keypunch operators	19 547	13 355	5 873	910	19 005	12 195	4 836	1 974	1 928	4 011	2 954
Payroll and timekeeping clerks	6 655	5 638	960	160	6 554	4 835	1 215	504	652	1 110	906
Receptionists	21 204	18 475	2 573	844	20 277	10 753	5 757	3 767	2 154	5 001	5 763
Secretaries	221 518	205 760	14 093	5 314	217 581	150 533	47 788	19 260	24 004	45 896	31 424
Stenographers	7 735	6 701	1 002	221	7 580	5 116	1 636	828	1 032	1 592	1 152
Telephone operators	32 978	23 938	8 924	857	31 642	19 619	7 443	4 580	3 487	7 541	7 265
Typists	87 780	73 084	13 859	3 684	84 326	48 157	21 304	14 865	9 813	18 868	21 057
Other clerical and kindred workers	213 736	166 952	44 403	7 385	201 122	117 785	53 978	29 359	15 283	33 510	46 768
Craftsmen and kindred workers	**26 623**	**21 411**	**4 866**	**1 974**	**25 623**	**15 970**	**7 491**	**2 162**	**2 235**	**5 185**	**4 193**
Foremen, n.e.c.	9 365	7 814	1 449	747	9 188	6 932	1 900	356	685	1 400	938
Operatives, except transport	**235 891**	**184 199**	**44 236**	**29 558**	**223 214**	**99 064**	**94 680**	**29 470**	**28 398**	**65 577**	**49 182**
Assemblers	14 325	11 212	2 934	1 323	13 662	7 111	4 691	1 860	1 454	4 548	3 815
Bottling and canning operatives	317	252	60	15	307	147	108	52	52	191	87
Checkers, examiners, and inspectors; manufacturing	8 064	6 438	1 574	580	7 840	4 375	2 687	778	917	2 187	1 455
Dressmakers and seamstresses, except factory	6 358	5 381	886	281	6 115	2 389	2 775	951	893	1 900	1 401
Laundry and drycleaning operatives, including ironers	10 780	4 722	5 397	1 226	10 216	5 921	3 274	1 021	1 210	3 342	2 071
Graders and sorters, manufacturing	702	564	138	94	675	326	257	92	127	210	149
Packers and wrappers, except produce	20 860	16 595	4 004	2 652	19 623	9 796	6 433	3 394	2 642	6 660	5 915
Sewers and stitchers	93 422	78 000	10 595	12 377	90 504	30 527	48 460	11 517	10 737	24 021	14 908
Textile operatives	4 500	3 828	638	647	4 319	1 639	2 014	666	651	1 458	1 001
Other specified operatives	39 968	29 680	9 559	3 344	35 209	19 171	11 342	4 696	5 124	9 337	10 024
Miscellaneous and not specified operatives	36 595	27 527	8 451	7 019	34 744	17 662	12 639	4 443	4 591	11 723	8 356
Manufacturing	32 453	24 503	7 400	6 614	30 786	15 744	11 256	3 786	4 232	10 641	7 452
Durable goods	13 108	9 949	2 996	2 582	12 521	6 886	4 188	1 447	1 524	4 165	3 112
Machinery, including electrical	4 273	3 391	854	630	4 089	2 436	1 195	458	312	936	934
Other durable goods	8 835	6 558	2 142	1 952	8 432	4 450	2 993	989	1 212	3 229	2 178
Nondurable goods, including not specified manufacturing	19 345	14 554	4 404	4 032	18 265	8 858	7 068	2 339	2 708	6 476	4 340
Food and kindred products	1 110	892	199	99	1 067	549	403	115	172	338	228
Apparel and other fabricated textile products	8 740	6 895	1 605	1 977	8 212	3 409	3 558	1 245	1 153	2 753	1 816
Nonmanufacturing industries	4 142	3 024	1 051	405	3 958	1 918	1 383	657	359	1 082	904
Transport equipment operatives	**5 179**	**4 372**	**787**	**191**	**4 979**	**1 680**	**2 433**	**866**	**157**	**635**	**625**
Laborers, except farm	**9 214**	**6 608**	**2 463**	**811**	**8 635**	**4 505**	**2 702**	**1 428**	**792**	**2 218**	**2 737**
Farmers and farm managers	**574**	**315**	**238**	**24**	**547**	**470**	**51**	**26**	**55**	**52**	**94**
Farm laborers and farm foremen	**934**	**518**	**395**	**29**	**791**	**177**	**409**	**205**	**268**	**473**	**749**
Paid farm laborers and farm foremen	762	398	343	16	633	126	329	178	210	371	486
Unpaid family workers	172	120	52	13	158	51	80	27	58	102	263
Service workers, except private household[1]	**214 712**	**146 139**	**66 190**	**9 154**	**203 213**	**104 233**	**68 542**	**30 438**	**15 733**	**43 137**	**46 234**
Cleaning service workers	29 134	17 271	11 557	1 520	28 092	17 761	7 594	2 737	2 522	6 670	4 516
Chambermaids and maids	7 610	3 351	4 143	340	7 312	4 338	2 162	812	773	2 056	1 615
Food service workers	56 987	47 720	8 581	1 944	54 183	21 599	22 505	10 079	4 755	13 484	14 584
Cooks, except private household	8 136	6 212	1 754	303	7 843	3 736	3 295	812	863	1 711	1 381
Waiters and food counter workers	36 322	31 491	4 430	1 035	34 339	14 091	13 406	6 842	2 977	9 313	10 723
Health service workers	56 280	28 356	27 463	2 508	54 310	31 871	15 199	7 240	2 913	9 245	9 527
Nursing aides, orderlies, and attendants	33 087	13 476	19 337	1 381	31 952	19 388	8 813	3 751	1 532	5 419	5 316
Practical nurses	10 205	4 856	5 252	470	9 890	5 635	2 926	1 329	521	1 399	1 721
Personal service workers	39 306	30 939	7 987	2 139	37 565	17 930	13 442	6 193	3 189	9 199	9 683
Hairdressers and cosmetologists	16 631	13 605	2 862	1 137	15 842	8 026	5 728	2 088	1 783	5 070	2 821
Private household workers	**57 355**	**19 773**	**36 659**	**625**	**53 456**	**25 226**	**19 326**	**8 904**	**6 189**	**14 235**	**11 237**
Private household workers, living in	10 561	5 177	5 079	88	10 232	6 185	3 099	948	14	53	60
Private household workers, living out	46 794	14 596	31 580	537	43 224	19 041	16 227	7 956	6 175	14 182	11 177
Unemployed persons, last worked 1959 or earlier[2]	**4 303**	**3 617**	**647**	**191**	...	...	...	...	...	...	...

[1]Includes protective service workers and allocated cases not shown separately. [2]See text for explanation.

Table 172. **Occupation of the Experienced Civilian Labor Force by Race and Sex, and Weeks Worked in 1969 and Experienced Workers Not in Labor Force by 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	Total experienced civilian labor force	White	Negro	Persons of Puerto Rican birth or parentage	Weeks worked in 1969 of the experienced civilian labor force: Total	50 to 52 weeks	27 to 49 weeks	1 to 26 weeks	Year last worked of experienced workers not in labor force: 1960-63	1964-68	1969-70
ROCHESTER SMSA											
Male, 16 years old and over	**225 331**	**212 536**	**11 471**	**1 479**	**222 793**	**167 543**	**39 844**	**15 406**	**4 658**	**10 587**	**20 792**
Professional, technical, and kindred workers	**42 235**	**41 045**	**724**	**40**	**41 981**	**31 846**	**8 004**	**2 131**	**353**	**790**	**1 919**
Accountants	2 335	2 308	22	–	2 320	1 929	271	120	29	64	69
Architects	171	171	–	–	166	154	8	4	5	10	21
Computer specialists	1 353	1 331	2	–	1 353	1 207	92	54	–	5	53
Engineers	10 184	10 028	50	13	10 160	9 117	816	227	76	175	226
Aeronautical and astronautical	10	10	–	–	5	5	–	–	–	–	6
Civil	638	618	4	–	633	538	77	18	8	15	39
Electrical and electronic	2 087	2 042	5	–	2 081	1 864	158	59	8	19	66
Mechanical	1 552	1 516	4	–	1 552	1 325	183	44	–	47	8
Other engineers	5 897	5 842	37	13	5 889	5 385	398	106	60	94	107
Lawyers and judges	1 195	1 185	10	–	1 185	951	194	40	9	17	20
Life and physical scientists	1 519	1 458	15	–	1 519	1 310	170	39	15	60	67
Chemists	1 097	1 050	15	–	1 097	948	120	29	15	39	44
Physicians, dentists, and related practitioners	2 366	2 300	44	–	2 351	1 587	687	77	40	77	48
Dentists	540	528	12	–	540	283	237	20	17	24	21
Pharmacists	343	343	–	–	343	299	44	–	9	26	–
Physicians, medical and osteopathic	1 290	1 236	32	–	1 275	855	366	54	8	27	27
Other related practitioners	193	193	–	–	193	150	40	3	6	–	–
Health technologists and technicians	324	289	35	–	313	183	108	22	5	4	56
Religious workers	822	779	38	–	817	666	103	48	7	9	70
Social scientists	885	854	14	–	885	749	105	31	–	19	20
Social and recreation workers	617	560	57	20	612	405	116	91	–	6	242
Teachers	6 189	5 976	84	–	6 152	2 267	3 218	667	53	58	293
College and university	1 996	1 845	32	–	1 973	968	756	249	11	22	76
Elementary and prekindergarten	1 039	1 028	11	–	1 029	265	626	138	–	5	56
Secondary	2 765	2 728	32	–	2 761	799	1 721	241	36	31	111
Engineering and science technicians	5 492	5 353	125	–	5 433	4 435	745	253	14	106	281
Draftsmen and surveyors	1 976	1 905	62	–	1 961	1 564	275	122	5	53	109
Electrical and electronic engineering technicians	852	840	12	–	844	709	122	13	–	4	49
Technicians, except health, and engineering and science	268	262	–	7	268	222	32	14	14	6	4
Airplane pilots	39	39	–	–	39	39	–	–	–	–	–
Writers, artists, and entertainers	2 956	2 881	63	–	2 935	2 213	494	228	9	59	197
Other professional, technical, and kindred workers	5 559	5 310	165	–	5 512	4 451	845	216	77	115	252
Managers and administrators, except farm	**22 236**	**21 779**	**394**	**62**	**22 151**	**19 578**	**2 237**	**336**	**326**	**904**	**722**
Buyers, purchasing agents, and sales managers	2 923	2 882	22	–	2 912	2 610	255	47	38	115	79
School administrators	686	651	35	10	686	441	245	–	15	40	19
Specified managers and administrators, public administration	862	849	13	6	862	750	99	13	25	72	82
Other specified managers and administrators	3 747	3 551	182	10	3 713	3 203	423	87	40	147	190
Managers and administrators, n.e.c., salaried	12 112	12 017	77	14	12 076	11 063	873	140	165	454	294
Manufacturing	4 809	4 802	7	–	4 795	4 481	277	37	82	227	101
Wholesale and retail trade	3 600	3 567	23	–	3 594	3 258	272	64	32	82	91
Transportation, communications, and other public utilities	663	663	–	–	657	583	69	5	22	38	11
All other industries	3 040	2 985	47	14	3 030	2 741	255	34	29	107	91
Managers and administrators, n.e.c., self-employed	1 906	1 829	65	22	1 902	1 511	342	49	43	76	58
Construction	369	357	12	–	369	206	155	8	–	20	25
Manufacturing	122	122	–	–	122	96	26	–	13	10	–
Wholesale and retail trade	1 041	1 023	18	22	1 041	940	82	19	26	41	15
All other industries	374	327	35	–	370	269	79	22	4	5	18
Sales workers	**13 560**	**13 382**	**142**	**5**	**13 398**	**9 931**	**2 465**	**1 002**	**257**	**498**	**1 207**
Insurance agents, brokers, and underwriters	1 366	1 362	–	–	1 361	1 167	158	36	28	43	31
Real estate agents and brokers	539	539	–	–	535	414	84	37	–	31	30
Sales representatives, manufacturing industries	1 704	1 679	15	–	1 704	1 416	249	39	19	53	54
Sales representatives, wholesale trade	2 467	2 445	16	–	2 462	2 007	358	97	30	23	55
Sales clerks, retail trade	3 494	3 457	30	–	3 418	1 953	907	558	108	215	620
Salesmen, retail trade	1 657	1 635	22	–	1 642	1 328	259	55	40	37	93
Salesmen of services and construction	622	622	–	–	613	456	126	31	6	23	47
Other sales workers	1 711	1 643	59	5	1 663	1 190	324	149	26	73	277
Clerical and kindred workers	**17 759**	**16 990**	**676**	**58**	**17 572**	**13 266**	**2 641**	**1 665**	**376**	**850**	**1 959**
Bank tellers and cashiers	416	386	30	–	403	195	82	126	17	64	130
Bookkeepers and billing clerks	1 245	1 224	16	–	1 233	954	210	69	39	91	106
Mail handlers and postal clerks	2 153	2 097	50	–	2 133	1 736	235	162	37	66	241
Other clerical and kindred workers	13 945	13 283	580	58	13 803	10 381	2 114	1 308	283	629	1 482
Craftsmen and kindred workers	**50 516**	**48 228**	**2 075**	**126**	**50 218**	**39 525**	**8 831**	**1 862**	**1 278**	**2 491**	**2 957**
Apparel craftsmen and upholsterers	631	628	3	13	631	467	110	54	62	81	41
Bakers	423	389	34	–	423	329	73	21	29	56	35
Cabinetmakers	181	181	–	–	181	139	38	4	24	30	22
Construction craftsmen	11 830	11 107	627	29	11 754	7 561	3 586	607	294	683	958
Carpenters	3 404	3 270	109	23	3 373	2 035	1 151	187	105	261	313
Excavating, grading, and road machine operators	1 062	966	91	6	1 062	630	363	69	17	30	72
Electricians	2 050	2 017	33	–	2 038	1 703	274	61	36	99	75
Masons and tile setters	1 192	1 048	144	–	1 187	602	543	42	34	48	87
Painters, construction and maintenance, and paperhangers	1 241	1 195	46	–	1 230	617	486	127	30	125	280
Plasterers and cement finishers	201	114	87	–	201	110	52	39	27	5	25
Plumbers and pipe fitters	2 049	1 983	57	–	2 032	1 542	443	47	26	69	41
Other construction craftsmen	631	514	60	–	631	322	274	35	19	46	65
Foremen, n.e.c.	9 195	8 974	216	6	9 195	8 324	793	78	238	430	368
Manufacturing	6 498	6 392	106	–	6 498	6 046	428	24	197	274	259
Nonmanufacturing industries	2 697	2 582	110	6	2 697	2 278	365	54	41	156	109
Linemen and servicemen, telephone and power	1 340	1 318	22	–	1 305	1 201	104	–	30	42	26
Locomotive engineers and firemen	70	70	–	–	70	43	27	–	15	18	–
Mechanics and repairmen	10 641	10 290	325	45	10 588	8 539	1 532	517	118	300	424
Air conditioning, heating, and refrigeration	521	511	10	–	515	438	62	15	–	20	25
Aircraft	61	56	5	–	61	51	5	5	–	–	–
Automobile, including body	3 558	3 402	135	5	3 546	2 748	567	231	45	90	171
Radio and television	438	416	22	–	431	365	46	20	–	5	12
Other mechanics and repairmen	6 063	5 905	153	40	6 035	4 937	852	246	73	185	216
Metal craftsmen, except mechanics	7 325	7 043	278	–	7 288	6 117	1 037	134	197	351	267
Machinists and job and die setters	2 956	2 814	138	–	2 946	2 493	404	49	30	104	123
Sheetmetal workers and tinsmiths	1 014	994	20	–	1 008	783	198	27	20	58	40
Tool and die makers	2 146	2 123	23	–	2 136	1 818	270	48	90	123	61
Other metal craftsmen	1 209	1 112	97	–	1 198	1 023	165	10	57	66	43
Printing craftsmen	2 105	2 044	48	8	2 096	1 751	256	89	44	101	110
Compositors and typesetters	704	671	27	8	695	551	109	35	29	25	46
Pressmen and plate printers, printing	1 017	1 001	16	–	1 017	866	101	50	10	62	48
Stationary engineers and power station operators	1 034	999	24	–	1 034	907	100	27	39	109	45
Other craftsmen and kindred workers	5 741	5 185	498	25	5 653	4 147	1 175	331	188	290	661

Table 172. **Occupation of the Experienced Civilian Labor Force by Race and Sex, and Weeks Worked in 1969 and Experienced Workers Not in Labor Force by 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	Total experienced civilian labor force	White	Negro	Persons of Puerto Rican birth or parentage	Weeks worked in 1969 of the experienced civilian labor force				Year last worked of experienced workers not in labor force		
					Total	50 to 52 weeks	27 to 49 weeks	1 to 26 weeks	1960-63	1964-68	1969-70
ROCHESTER SMSA—Continued											
Male, 16 years old and over—Continued											
Operatives, except transport	**33 200**	**30 505**	**2 546**	**617**	**32 753**	**25 098**	**5 618**	**2 037**	**848**	**1 933**	**2 665**
Assemblers	3 166	2 924	238	38	3 126	2 450	529	147	83	225	313
Checkers, examiners, and inspectors; manufacturing	3 743	3 548	181	16	3 715	3 152	451	112	76	172	183
Garage workers and gas station attendants	1 226	1 203	18	17	1 197	361	383	453	16	22	204
Laundry and drycleaning operatives, n.e.c	286	227	48	–	277	184	52	41	6	33	50
Meat cutters and butchers	755	687	62	–	744	575	149	20	9	46	50
Mine operatives, n.e.c	145	145	–	5	145	98	47	–	19	14	–
Packers and wrappers, except produce	1 248	1 058	179	43	1 213	819	280	114	16	60	195
Painters, manufactured articles	459	439	20	6	454	333	95	26	6	29	54
Precision machine operatives	2 839	2 705	128	6	2 802	2 194	484	124	45	220	155
Sawyers	105	105	–	–	105	71	34	–	–	5	4
Stationary firemen	317	267	50	–	317	274	35	8	26	51	25
Textile operatives	79	72	7	–	74	65	5	4	10	8	9
Welders and flamecutters	1 491	1 398	83	–	1 491	1 162	267	62	31	82	54
Other metalworking operatives	1 760	1 622	128	123	1 741	1 411	243	87	28	136	72
Other specified operatives	6 584	5 854	689	190	6 452	4 905	1 189	358	209	370	606
Miscellaneous and not specified operatives	8 997	8 251	715	173	8 900	7 044	1 375	481	268	460	691
Occupation:											
Machine operatives, miscellaneous specified	4 333	4 036	278	43	4 304	3 504	618	182	111	208	275
Machine operatives, not specified	2 116	1 810	300	60	2 099	1 661	334	104	49	85	176
Miscellaneous operatives	1 445	1 378	61	20	1 415	969	306	140	42	115	156
Not specified operatives	1 103	1 027	76	50	1 082	910	117	55	66	52	84
Industry:											
Manufacturing	8 148	7 457	660	167	8 083	6 542	1 186	355	245	400	552
Durable goods	6 296	5 818	462	99	6 256	5 226	815	215	165	287	385
Wood products, including furniture	73	73	–	8	73	67	6	–	–	11	9
Primary metal industries	156	126	30	–	156	107	40	9	15	–	26
Fabricated metal industries	371	350	16	18	365	261	80	24	15	20	35
Machinery, including electrical	1 252	1 128	124	22	1 235	967	211	57	24	34	91
Motor vehicles and equipment	162	157	5	–	162	141	17	4	11	20	5
Transportation equipment, except motor vehicles	24	20	4	–	24	24	–	–	–	10	–
Other durable goods	4 258	3 964	283	51	4 241	3 659	461	121	100	192	219
Nondurable goods	1 827	1 618	194	68	1 802	1 316	352	134	75	113	156
Food and kindred products	615	518	94	32	615	462	107	46	40	52	62
Apparel and other fabricated textile products	82	77	5	16	76	66	10	–	5	9	15
Paper and allied products	386	332	54	5	377	264	76	37	20	21	28
Chemicals and allied products	166	159	7	–	166	133	26	7	–	5	2
Other nondurable goods	578	532	34	15	568	391	133	44	10	26	49
Not specified manufacturing industries	25	21	4	–	25	–	19	6	5	–	11
Nonmanufacturing industries	849	794	55	6	817	502	189	126	23	60	139
Transportation, communications, and other public utilities	118	111	7	–	118	103	12	3	16	5	21
Wholesale and retail trade	349	319	30	6	331	215	63	53	7	27	72
All other industries	382	364	18	–	368	184	114	70	–	28	46
Transport equipment operatives	**10 310**	**9 478**	**817**	**116**	**10 213**	**7 349**	**2 237**	**627**	**146**	**387**	**854**
Bus drivers	714	649	62	33	714	503	194	17	10	47	62
Taxicab drivers and chauffeurs	428	405	23	20	428	258	119	51	9	29	56
Truck drivers and deliverymen	6 919	6 443	464	26	6 853	4 969	1 493	391	96	272	567
Other transport equipment operatives	2 249	1 981	268	37	2 218	1 619	431	168	31	39	169
Laborers, except farm	**12 343**	**10 119**	**2 092**	**159**	**12 001**	**6 212**	**3 290**	**2 499**	**373**	**694**	**3 959**
Construction laborers	2 434	1 620	771	11	2 396	1 192	906	298	86	119	584
Freight, stock, and material handlers	5 473	5 070	384	52	5 312	2 686	1 196	1 430	76	244	1 681
Other specified laborers	2 983	2 244	682	48	2 891	1 461	889	541	108	207	1 230
Miscellaneous and not specified laborers	1 453	1 185	255	48	1 402	873	299	230	103	124	464
Occupation:											
Miscellaneous laborers	415	345	70	25	404	276	101	27	34	58	102
Not specified laborers	1 038	840	185	23	998	597	198	203	69	66	362
Industry:											
Manufacturing	611	496	106	29	586	423	88	75	52	31	203
Durable goods	453	379	69	25	436	332	55	49	47	18	101
Wood products, including furniture	20	13	7	–	13	6	–	7	–	–	–
Metal industries	105	86	19	–	99	69	23	7	22	5	28
Machinery, including electrical	82	70	12	6	82	68	8	6	4	9	13
Transportation equipment	21	21	–	6	21	21	–	–	7	–	5
Other durable goods	225	189	31	13	221	168	24	29	14	4	55
Nondurable goods	148	117	27	4	140	81	33	26	5	13	98
Food and kindred products	77	66	7	4	77	61	–	16	5	4	51
Not specified manufacturing industries	10	–	10	–	10	10	–	–	–	–	4
Nonmanufacturing industries	842	689	149	19	816	450	211	155	51	93	261
Railroads and railway express service	92	70	22	–	92	63	24	5	36	15	17
Transportation, except railroads	12	12	–	–	12	12	–	–	–	5	12
Communications, and utilities and sanitary services	117	86	31	19	117	86	21	10	–	9	22
Wholesale and retail trade	216	183	33	–	209	105	56	48	4	26	102
All other industries	405	338	63	–	386	184	110	92	11	38	108
Farmers and farm managers	**2 803**	**2 794**	**9**	**–**	**2 792**	**2 414**	**232**	**146**	**150**	**305**	**442**
Farm laborers and farm foremen	**2 066**	**1 763**	**294**	**6**	**2 013**	**1 191**	**480**	**342**	**62**	**241**	**732**
Paid farm laborers and farm foremen	1 908	1 605	294	6	1 865	1 100	454	311	57	241	716
Unpaid family workers	158	158	–	–	148	91	26	31	5	–	36
Service workers, except private household[1]	**18 203**	**16 369**	**1 686**	**290**	**17 653**	**11 117**	**3 796**	**2 740**	**485**	**1 484**	**3 329**
Cleaning service workers	5 975	5 091	846	176	5 864	3 871	1 228	765	251	622	988
Food service workers	4 820	4 502	285	109	4 554	1 814	1 357	1 383	49	257	1 245
Cooks, except private household	1 631	1 452	166	46	1 593	780	512	301	8	83	281
Busboys and dishwashers	1 170	1 134	31	36	1 023	201	285	537	10	64	441
Health service workers	752	658	94	5	752	552	129	71	5	50	63
Personal service workers	1 367	1 309	58	–	1 333	877	304	152	47	124	408
Protective service workers	3 821	3 649	161	–	3 808	3 193	471	144	113	338	232
Firemen, fire protection	741	727	14	–	741	696	45	–	19	38	10
Guards and watchmen	1 508	1 405	92	–	1 495	1 131	251	113	82	209	165
Policemen and detectives	1 282	1 242	40	–	1 282	1 128	129	25	3	56	47
Private household workers	**48**	**41**	**7**	**–**	**48**	**16**	**13**	**19**	**4**	**10**	**27**
Unemployed persons, last worked 1959 or earlier[2]	**52**	**43**	**9**	**–**	...	...	...	...	...	...	...

[1]Includes allocated cases not shown separately. [2]See text for explanation.

Table 172. **Occupation of the Experienced Civilian Labor Force by Race and Sex, and Weeks Worked in 1969 and Experienced Workers Not in Labor Force by 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	Total experienced civilian labor force	White	Negro	Persons of Puerto Rican birth or parentage	Weeks worked in 1969 of the experienced civilian labor force: Total	50 to 52 weeks	27 to 49 weeks	1 to 26 weeks	Year last worked of experienced workers not in labor force: 1960-63	1964-68	1969-70
ROCHESTER SMSA—Continued											
Female, 16 years old and over	**142 554**	**132 617**	**9 240**	**685**	**137 652**	**71 801**	**42 656**	**23 195**	**14 331**	**32 199**	**35 063**
Professional, technical, and kindred workers	**22 927**	**21 970**	**829**	**65**	**22 338**	**8 292**	**10 440**	**3 606**	**2 019**	**4 787**	**5 086**
Accountants	673	652	21	–	656	478	117	61	79	112	63
Computer specialists	442	432	5	–	431	305	105	21	14	40	70
Librarians	557	538	19	–	535	187	266	82	38	81	114
Mathematical specialists	43	37	–	–	43	29	9	5	3	18	3
Life and physical scientists	268	249	5	–	268	181	45	42	33	83	29
Registered nurses, dietitians, and therapists	4 934	4 703	211	6	4 803	2 451	1 654	698	501	1 151	830
Dietitians	159	133	22	–	155	86	60	9	20	46	9
Registered nurses	4 534	4 329	189	6	4 407	2 252	1 500	655	470	1 036	788
Health technologists and technicians	998	942	56	–	965	584	230	151	95	222	207
Social scientists	129	129	–	–	129	71	42	16	–	30	25
Social and recreation workers	836	770	55	27	827	475	258	94	70	249	503
Teachers: College and university	629	580	37	–	605	130	333	142	60	105	112
Elementary and prekindergarten	6 009	5 828	165	16	5 903	708	4 145	1 050	528	1 297	1 516
Secondary	2 565	2 530	23	–	2 522	276	1 769	477	200	587	622
Other teachers	578	550	28	–	574	183	257	134	48	94	131
Engineering and science technicians	547	538	–	–	537	408	78	51	69	158	106
Technicians, except health, and engineering and science	44	44	–	–	44	23	9	12	5	10	5
Writers, artists, and entertainers	1 144	1 097	43	7	1 092	513	355	224	92	176	318
Actors and dancers	10	10	–	–	10	–	–	10	–	12	–
Authors, editors, and reporters	364	359	5	–	350	216	87	47	15	66	34
Other professional, technical, and kindred workers	2 531	2 351	161	9	2 404	1 290	768	346	184	374	432
Managers and administrators, except farm	**3 810**	**3 698**	**107**	**–**	**3 732**	**2 671**	**827**	**234**	**249**	**572**	**649**
Buyers, purchasing agents, and sales managers	625	611	14	–	615	458	125	32	64	113	85
Restaurant, cafeteria, and bar managers	299	278	16	–	299	161	121	17	23	45	54
School administrators	315	302	13	–	310	138	137	35	5	22	31
Other specified managers and administrators	919	903	16	–	881	680	161	40	65	128	273
Managers and administrators, n.e.c., salaried	1 365	1 325	40	–	1 340	1 014	235	91	68	212	150
Wholesale and retail trade	430	425	5	–	410	324	61	25	22	88	27
Managers and administrators, n.e.c., self-employed	287	279	8	–	287	220	48	19	24	52	56
Wholesale and retail trade	186	178	8	–	186	141	26	19	19	31	36
Sales workers	**10 440**	**10 186**	**229**	**–**	**9 996**	**4 100**	**2 930**	**2 966**	**1 238**	**2 703**	**3 913**
Demonstrators, hucksters, and peddlers	387	387	–	–	354	107	93	154	25	127	160
Insurance, real estate agents, and brokers	398	398	–	–	398	251	107	40	57	83	80
Sales clerks, retail trade	8 025	7 842	163	–	7 707	2 965	2 329	2 413	975	2 169	3 048
Salesmen, retail trade	275	275	–	–	270	124	78	68	5	55	45
Other sales workers	1 355	1 284	66	–	1 267	653	323	291	176	269	580
Clerical and kindred workers	**51 442**	**49 508**	**1 727**	**130**	**49 956**	**30 035**	**12 583**	**7 338**	**5 786**	**11 711**	**11 790**
Bank tellers	1 248	1 229	19	6	1 205	795	242	168	102	261	217
Bookkeepers	5 403	5 326	72	7	5 322	3 835	1 049	438	546	1 170	879
Cashiers	3 907	3 810	83	4	3 706	1 275	1 327	1 104	343	801	1 456
Counter clerks, except food	697	684	13	–	665	380	143	142	87	166	227
Enumerators and interviewers	145	145	–	–	127	28	31	68	37	71	132
File clerks	1 516	1 439	63	6	1 467	698	367	402	182	429	468
Office machine operators	2 190	2 077	97	–	2 108	1 198	577	333	235	537	419
Bookkeeping and billing machine operators	160	160	–	–	149	67	68	14	26	88	37
Keypunch operators	1 247	1 180	51	–	1 204	662	323	219	143	311	265
Payroll and timekeeping clerks	815	809	–	–	815	615	112	88	71	141	149
Receptionists	1 434	1 379	45	–	1 406	784	353	269	138	296	331
Secretaries	15 506	15 190	290	30	15 248	10 105	3 542	1 601	2 005	3 682	2 762
Stenographers	623	606	17	–	614	459	118	37	108	137	72
Telephone operators	1 340	1 222	115	8	1 287	828	280	179	273	408	365
Typists	4 654	4 436	185	23	4 500	2 586	1 194	720	575	1 260	1 127
Other clerical and kindred workers	11 964	11 156	728	46	11 486	6 449	3 248	1 789	1 084	2 352	3 186
Craftsmen and kindred workers	**3 000**	**2 753**	**227**	**16**	**2 913**	**1 916**	**700**	**297**	**248**	**497**	**526**
Foremen, n.e.c	625	591	30	–	625	511	93	21	52	85	56
Operatives, except transport	**24 779**	**22 152**	**2 438**	**348**	**24 119**	**14 268**	**6 788**	**3 063**	**2 890**	**6 397**	**5 383**
Assemblers	5 552	4 969	538	32	5 459	3 556	1 463	440	445	1 075	809
Bottling and canning operatives	248	227	21	6	244	95	90	59	90	156	154
Checkers, examiners, and inspectors; manufacturing	2 949	2 776	148	14	2 895	2 019	635	241	495	718	487
Dressmakers and seamstresses, except factory	418	383	35	8	408	222	121	65	67	155	130
Laundry and drycleaning operatives, including ironers	923	669	236	15	886	542	218	126	90	273	174
Graders and sorters, manufacturing	104	99	5	–	104	27	32	45	49	59	63
Packers and wrappers, except produce	2 449	2 239	196	23	2 352	1 304	601	447	243	628	659
Sewers and stitchers	2 832	2 677	131	159	2 789	1 514	1 053	222	626	1 000	520
Textile operatives	123	111	12	–	123	52	60	11	14	21	48
Other specified operatives	4 868	4 135	690	47	4 631	2 674	1 247	710	431	1 100	1 144
Miscellaneous and not specified operatives	4 313	3 867	426	44	4 228	2 263	1 268	697	340	1 212	1 195
Manufacturing	3 958	3 552	394	34	3 883	2 092	1 163	628	307	1 174	1 121
Durable goods	2 271	2 015	247	30	2 237	1 340	644	253	100	477	354
Machinery, including electrical	890	804	86	–	874	487	295	92	23	133	109
Other durable goods	1 381	1 211	161	30	1 363	853	349	161	77	344	245
Nondurable goods, including not specified manufacturing	1 687	1 537	147	4	1 646	752	519	375	207	697	767
Food and kindred products	687	601	86	–	673	178	240	255	144	319	405
Apparel and other fabricated textile products	137	133	4	–	137	79	54	4	22	35	32
Nonmanufacturing industries	355	315	32	10	345	171	105	69	33	38	74
Transport equipment operatives	**682**	**670**	**12**	**–**	**671**	**164**	**373**	**134**	**12**	**68**	**46**
Laborers, except farm	**1 091**	**959**	**127**	**19**	**1 014**	**494**	**265**	**255**	**64**	**299**	**393**
Farmers and farm managers	**219**	**211**	**8**	**–**	**214**	**166**	**23**	**25**	**5**	**11**	**73**
Farm laborers and farm foremen	**484**	**437**	**47**	**9**	**447**	**162**	**123**	**162**	**55**	**177**	**433**
Paid farm laborers and farm foremen	342	295	47	9	310	76	92	142	55	147	358
Unpaid family workers	142	142	–	–	137	86	31	20	–	30	75
Service workers, except private household[1]	**21 119**	**18 164**	**2 859**	**85**	**20 151**	**8 689**	**6 919**	**4 543**	**1 556**	**4 371**	**6 168**
Cleaning service workers	2 539	1 847	679	15	2 414	1 347	655	412	182	536	631
Chambermaids and maids	654	418	236	7	607	301	192	114	70	143	256
Food service workers	8 372	7 935	412	44	8 046	2 651	3 186	2 209	678	1 883	2 897
Cooks, except private household	1 288	1 199	78	10	1 266	486	599	181	116	278	286
Waiters and food counter workers	4 853	4 721	127	8	4 632	1 543	1 647	1 442	424	1 178	1 970
Health service workers	5 000	3 975	1 009	6	4 773	2 546	1 245	982	363	954	1 310
Nursing aides, orderlies, and attendants	3 173	2 371	786	6	3 010	1 597	775	638	183	590	900
Practical nurses	1 052	928	124	–	1 014	565	244	205	96	176	187
Personal service workers	2 974	2 694	270	–	2 853	1 153	1 149	551	198	727	727
Hairdressers and cosmetologists	1 485	1 407	78	–	1 449	663	593	193	112	458	247
Private household workers	**2 321**	**1 677**	**622**	**13**	**2 101**	**844**	**685**	**572**	**209**	**606**	**603**
Private household workers, living in	236	201	31	–	230	156	47	27	–	3	20
Private household workers, living out	2 085	1 476	591	13	1 871	688	638	545	209	603	583
Unemployed persons, last worked 1959 or earlier[2]	**240**	**232**	**8**	**–**	...	...	...	...	...	...	...

[1]Includes protective service workers and allocated cases not shown separately. [2]See text for explanation.

Table 172. **Occupation of the Experienced Civilian Labor Force by Race and Sex, and Weeks Worked in 1969 and Experienced Workers Not in Labor Force by 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	Total experienced civilian labor force	White	Negro	Persons of Puerto Rican birth or parentage	Weeks worked in 1969 of the experienced civilian labor force				Year last worked of experienced workers not in labor force		
					Total	50 to 52 weeks	27 to 49 weeks	1 to 26 weeks	1960-63	1964-68	1969-70
SYRACUSE SMSA											
Male, 16 years old and over	**155 074**	**149 999**	**4 143**	**202**	**153 098**	**109 875**	**31 202**	**12 021**	**3 490**	**8 269**	**20 845**
Professional, technical, and kindred workers	**25 791**	**25 193**	**348**	**25**	**25 658**	**18 667**	**5 496**	**1 495**	**237**	**667**	**2 104**
Accountants	1 847	1 838	5	–	1 842	1 614	133	95	65	45	46
Architects	258	245	7	–	258	226	32	–	5	10	14
Computer specialists	693	666	9	–	693	570	75	48	4	6	36
Engineers	5 237	5 151	31	–	5 224	4 707	409	108	39	104	147
Aeronautical and astronautical	11	11	–	–	11	11	–	–	–	–	–
Civil	627	612	6	–	627	548	74	5	11	14	42
Electrical and electronic	1 673	1 638	20	–	1 673	1 519	109	45	9	31	41
Mechanical	687	687	–	–	682	621	32	29	9	7	9
Other engineers	2 239	2 203	5	–	2 231	2 008	194	29	10	52	55
Lawyers and judges	878	878	–	9	878	757	102	19	16	4	29
Life and physical scientists	555	532	14	–	555	471	70	14	–	26	54
Chemists	402	383	10	–	402	323	65	14	–	16	32
Physicians, dentists, and related practitioners	1 645	1 595	18	–	1 641	1 194	391	56	10	36	110
Dentists	264	264	–	–	264	135	129	–	6	5	5
Pharmacists	317	317	–	–	317	258	49	10	–	7	6
Physicians, medical and osteopathic	958	908	18	–	954	719	189	46	4	24	99
Other related practitioners	106	106	–	–	106	82	24	–	–	–	–
Health technologists and technicians	261	237	24	–	261	170	43	48	–	17	32
Religious workers	539	520	19	–	539	451	68	20	–	15	21
Social scientists	339	339	–	–	339	241	77	21	–	9	19
Social and recreation workers	374	350	24	–	374	231	91	52	4	30	284
Teachers	4 892	4 830	29	7	4 860	1 900	2 559	401	41	114	335
College and university	2 101	2 063	5	7	2 080	982	919	179	20	33	129
Elementary and prekindergarten	753	742	11	–	748	236	476	36	–	29	50
Secondary	1 840	1 830	10	–	1 840	545	1 122	173	15	46	120
Engineering and science technicians	2 885	2 842	20	–	2 870	2 287	472	111	30	74	279
Draftsmen and surveyors	1 259	1 243	5	–	1 259	982	216	61	9	27	161
Electrical and electronic engineering technicians	742	721	15	–	742	590	148	4	5	17	30
Technicians, except health, and engineering and science	254	254	–	–	254	194	50	10	4	12	15
Airplane pilots	84	84	–	–	84	56	23	5	–	–	6
Writers, artists, and entertainers	1 928	1 904	14	9	1 912	1 405	324	183	–	56	194
Other professional, technical, and kindred workers	3 206	3 012	134	–	3 158	2 249	600	309	19	109	489
Managers and administrators, except farm	**16 064**	**15 882**	**129**	**7**	**16 012**	**13 854**	**1 762**	**396**	**314**	**778**	**744**
Buyers, purchasing agents, and sales managers	2 471	2 465	6	–	2 466	2 193	231	42	19	89	77
School administrators	485	477	4	–	479	318	152	9	10	18	20
Specified managers and administrators, public administration	733	733	–	–	724	614	82	28	–	77	58
Other specified managers and administrators	2 816	2 756	29	7	2 816	2 359	352	105	110	187	185
Managers and administrators, n.e.c., salaried	7 867	7 795	62	–	7 850	7 019	687	144	120	295	311
Manufacturing	2 010	2 006	4	–	2 010	1 870	125	15	25	52	78
Wholesale and retail trade	2 649	2 635	4	–	2 643	2 347	255	41	32	92	88
Transportation, communications, and other public utilities	714	714	–	–	714	664	46	4	24	41	32
All other industries	2 494	2 440	54	–	2 483	2 138	261	84	39	110	113
Managers and administrators, n.e.c., self-employed	1 692	1 656	28	–	1 677	1 351	258	68	55	112	93
Construction	353	338	15	–	346	209	127	10	8	35	6
Manufacturing	84	84	–	–	84	56	19	9	11	5	12
Wholesale and retail trade	908	904	4	–	904	807	78	19	36	58	57
All other industries	347	330	9	–	343	279	34	30	–	14	18
Sales workers	**12 099**	**12 013**	**58**	–	**11 960**	**9 263**	**1 880**	**817**	**146**	**487**	**1 149**
Insurance agents, brokers, and underwriters	1 600	1 600	–	–	1 590	1 337	210	43	22	44	35
Real estate agents and brokers	457	451	–	–	452	356	91	5	11	20	35
Sales representatives, manufacturing industries	1 775	1 775	–	–	1 775	1 523	216	36	24	66	49
Sales representatives, wholesale trade	2 603	2 587	16	–	2 593	2 263	259	71	29	44	66
Sales clerks, retail trade	2 532	2 511	16	–	2 455	1 505	536	414	13	153	584
Salesmen, retail trade	1 255	1 250	–	–	1 246	947	216	83	18	55	72
Salesmen of services and construction	617	606	6	–	617	496	79	42	–	17	61
Other sales workers	1 260	1 233	20	–	1 232	836	273	123	29	88	247
Clerical and kindred workers	**12 472**	**12 169**	**274**	**12**	**12 341**	**8 831**	**2 174**	**1 336**	**262**	**712**	**1 956**
Bank tellers and cashiers	461	454	7	–	461	255	88	118	12	42	133
Bookkeepers and billing clerks	1 035	1 013	22	–	1 035	795	182	58	10	76	101
Mail handlers and postal clerks	1 619	1 589	30	–	1 608	1 325	190	93	27	95	141
Other clerical and kindred workers	9 357	9 113	215	12	9 237	6 456	1 714	1 067	213	499	1 581
Craftsmen and kindred workers	**33 155**	**32 211**	**755**	**59**	**32 829**	**23 945**	**7 338**	**1 546**	**890**	**2 075**	**2 863**
Apparel craftsmen and upholsterers	202	202	–	–	202	146	43	13	5	44	23
Bakers	243	234	9	–	237	185	38	14	7	29	19
Cabinetmakers	135	135	–	–	135	92	43	–	4	26	11
Construction craftsmen	8 805	8 571	146	9	8 744	4 944	3 120	680	298	571	1 015
Carpenters	2 576	2 531	40	–	2 557	1 323	1 027	207	97	198	323
Excavating, grading, and road machine operators	1 062	1 028	26	–	1 051	637	286	128	24	54	88
Electricians	1 382	1 354	23	–	1 374	1 060	270	44	40	64	42
Masons and tile setters	734	709	19	–	734	286	428	20	16	30	78
Painters, construction and maintenance, and paperhangers	972	951	16	9	963	441	355	167	53	142	322
Plasterers and cement finishers	260	246	14	–	260	77	159	24	4	–	40
Plumbers and pipe fitters	1 296	1 288	–	–	1 291	874	377	40	52	54	34
Other construction craftsmen	523	464	8	–	514	246	218	50	12	29	88
Foremen, n.e.c	4 808	4 734	60	–	4 792	4 229	511	52	104	309	194
Manufacturing	2 793	2 754	34	–	2 782	2 511	243	28	51	190	87
Nonmanufacturing industries	2 015	1 980	26	–	2 010	1 718	268	24	53	119	107
Linemen and servicemen, telephone and power	1 186	1 182	4	–	1 181	1 052	86	43	7	38	50
Locomotive engineers and firemen	260	260	–	–	260	185	70	5	11	24	23
Mechanics and repairmen	7 523	7 318	170	17	7 437	5 707	1 365	365	149	354	411
Air conditioning, heating, and refrigeration	452	438	14	–	452	345	86	21	9	16	5
Aircraft	141	135	–	–	136	103	33	–	–	10	9
Automobile, including body	3 146	3 012	129	17	3 092	2 325	595	172	48	132	184
Radio and television	383	372	–	–	378	207	142	29	–	15	5
Other mechanics and repairmen	3 401	3 361	27	–	3 379	2 727	509	143	92	181	208
Metal craftsmen, except mechanics	4 294	4 099	173	6	4 263	3 220	927	116	140	271	221
Machinists and job and die setters	1 701	1 665	30	–	1 692	1 344	315	33	19	105	84
Sheetmetal workers and tinsmiths	409	403	–	–	404	273	121	10	14	17	28
Tool and die makers	946	941	5	–	934	741	174	19	40	67	40
Other metal craftsmen	1 238	1 090	138	6	1 233	862	317	54	67	82	69
Printing craftsmen	979	963	16	–	956	738	188	30	16	72	88
Compositors and typesetters	410	410	–	–	393	300	88	5	6	36	45
Pressmen and plate printers, printing	478	462	16	–	472	374	79	19	10	31	33
Stationary engineers and power station operators	478	462	11	–	478	418	47	13	12	47	41
Other craftsmen and kindred workers	4 242	4 051	166	27	4 144	3 029	900	215	137	290	767

Table 172. **Occupation of the Experienced Civilian Labor Force by Race and Sex, and Weeks Worked in 1969 and Experienced Workers Not in Labor Force by 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	Total experienced civilian labor force	White	Negro	Persons of Puerto Rican birth or parentage	Weeks worked in 1969 of the experienced civilian labor force: Total	50 to 52 weeks	27 to 49 weeks	1 to 26 weeks	Year last worked of experienced workers not in labor force: 1960-63	1964-68	1969-70
SYRACUSE SMSA—Continued											
Male, 16 years old and over—Continued											
Operatives, except transport	**20 378**	**19 272**	**979**	**62**	**20 144**	**13 968**	**4 793**	**1 383**	**664**	**1 094**	**2 284**
Assemblers	1 589	1 513	76	9	1 556	985	449	122	49	92	249
Checkers, examiners, and inspectors, manufacturing	1 626	1 583	43	–	1 619	1 167	396	56	60	87	97
Garage workers and gas station attendants	1 089	1 062	21	–	1 035	391	390	254	7	20	223
Laundry and drycleaning operatives, n.e.c	197	184	13	–	190	166	5	19	–	18	25
Meat cutters and butchers	699	692	7	–	699	613	77	9	26	14	23
Mine operatives, n.e.c	78	78	–	–	78	61	17	–	–	–	–
Packers and wrappers, except produce	577	545	32	–	562	346	138	78	34	20	164
Painters, manufactured articles	308	308	–	–	303	170	84	49	14	29	25
Precision machine operatives	1 841	1 682	159	16	1 821	1 375	390	56	58	111	116
Sawyers	165	165	–	8	165	120	29	16	13	11	24
Stationary firemen	254	249	5	–	254	211	38	5	26	34	12
Textile operatives	123	123	–	–	123	103	20	–	9	5	33
Welders and flamecutters	1 434	1 377	31	–	1 423	1 040	323	60	19	35	62
Other metalworking operatives	1 200	1 049	141	16	1 183	836	282	65	56	63	138
Other specified operatives	2 827	2 636	150	13	2 774	1 833	691	250	105	137	499
Miscellaneous and not specified operatives	6 371	6 026	301	–	6 359	4 551	1 464	344	188	418	594
Occupation:											
Machine operatives, miscellaneous specified	2 461	2 340	100	–	2 456	1 876	465	115	86	168	208
Machine operatives, not specified	1 892	1 762	121	–	1 892	1 393	407	92	38	109	116
Miscellaneous operatives	1 337	1 290	47	–	1 337	859	385	93	44	85	204
Not specified operatives	681	634	33	–	674	423	207	44	20	56	66
Industry:											
Manufacturing	5 627	5 336	247	–	5 618	4 059	1 296	263	178	372	469
Durable goods	3 679	3 451	204	–	3 679	2 527	966	186	112	243	257
Wood products, including furniture	132	132	–	–	132	95	32	5	16	18	17
Primary metal industries	642	590	28	–	642	412	205	25	20	52	20
Fabricated metal industries	189	186	3	–	189	146	26	17	4	24	20
Machinery, including electrical	1 378	1 329	49	–	1 378	905	406	67	43	53	99
Motor vehicles and equipment	641	535	106	–	641	461	152	28	11	48	31
Transportation equipment, except motor vehicles	10	10	–	–	10	10	–	–	5	–	–
Other durable goods	687	669	18	–	687	498	145	44	13	48	70
Nondurable goods	1 911	1 848	43	–	1 902	1 506	324	72	57	124	212
Food and kindred products	607	603	4	–	607	465	103	39	33	27	71
Apparel and other fabricated textile products	17	17	–	–	17	9	8	–	–	–	–
Paper and allied products	523	504	12	–	518	391	121	6	14	60	31
Chemicals and allied products	573	537	27	–	573	511	52	10	10	27	65
Other nondurable goods	191	187	–	–	187	130	40	17	–	10	45
Not specified manufacturing industries	37	37	–	–	37	26	6	5	9	5	–
Nonmanufacturing industries	744	690	54	–	741	492	168	81	10	46	125
Transportation, communications, and other public utilities	110	107	3	–	110	77	33	–	10	14	20
Wholesale and retail trade	258	226	32	–	255	177	57	21	–	23	37
All other industries	376	357	19	–	376	238	78	60	–	9	68
Transport equipment operatives	**8 999**	**8 569**	**350**	**9**	**8 882**	**6 243**	**2 115**	**524**	**173**	**419**	**971**
Bus drivers	619	591	28	–	619	412	182	25	11	54	41
Taxicab drivers and chauffeurs	331	331	–	–	320	196	99	25	23	32	88
Truck drivers and deliverymen	6 081	5 850	201	9	6 001	4 290	1 377	334	86	247	569
Other transport equipment operatives	1 968	1 797	121	–	1 942	1 345	457	140	53	86	273
Laborers, except farm	**8 989**	**8 388**	**498**	–	**8 710**	**4 386**	**2 591**	**1 733**	**183**	**652**	**4 072**
Construction laborers	1 866	1 740	90	–	1 838	868	750	220	57	139	783
Freight, stock, and material handlers	3 858	3 687	156	–	3 696	1 801	939	956	65	100	1 562
Other specified laborers	2 009	1 843	123	–	1 949	1 043	566	340	32	266	1 239
Miscellaneous and not specified laborers	1 256	1 118	129	–	1 227	674	336	217	29	147	488
Occupation:											
Miscellaneous laborers	431	367	64	–	422	224	133	65	19	66	120
Not specified laborers	825	751	65	–	805	450	203	152	10	81	368
Industry:											
Manufacturing	654	597	53	–	641	361	197	83	5	48	155
Durable goods	450	404	42	–	437	226	164	47	–	36	101
Wood products, including furniture	53	48	5	–	53	17	32	4	–	–	11
Metal industries	197	169	24	–	197	100	71	26	–	26	33
Machinery, including electrical	91	87	4	–	82	52	30	–	–	–	22
Transportation equipment	23	23	–	–	19	15	–	4	–	–	–
Other durable goods	86	77	9	–	86	42	31	13	–	10	35
Nondurable goods	204	193	11	–	204	135	33	36	5	12	54
Food and kindred products	83	83	–	–	83	45	14	24	–	5	10
Not specified manufacturing industries	–	–	–	–	–	–	–	–	–	–	–
Nonmanufacturing industries	602	521	76	–	586	313	139	134	24	99	333
Railroads and railway express service	80	51	29	–	80	52	23	5	20	39	9
Transportation, except railroads	29	29	–	–	29	24	5	–	–	–	14
Communications, and utilities and sanitary services	89	74	15	–	89	56	14	19	–	6	29
Wholesale and retail trade	171	140	26	–	166	101	23	42	4	21	83
All other industries	233	227	6	–	222	80	74	68	–	33	198
Farmers and farm managers	**2 328**	**2 324**	–	–	**2 313**	**2 088**	**155**	**70**	**101**	**233**	**259**
Farm laborers and farm foremen	**1 359**	**1 320**	**24**	**16**	**1 292**	**857**	**183**	**252**	**90**	**74**	**727**
Paid farm laborers and farm foremen	1 240	1 210	24	16	1 180	771	162	247	90	53	621
Unpaid family workers	119	110	–	–	112	86	21	5	–	21	106
Service workers, except private household[1]	**13 322**	**12 545**	**723**	**12**	**12 905**	**7 759**	**2 710**	**2 436**	**430**	**1 064**	**3 685**
Cleaning service workers	4 615	4 177	412	6	4 448	2 880	844	724	207	472	1 006
Food service workers	3 286	3 158	114	6	3 112	1 187	849	1 076	62	194	1 226
Cooks, except private household	963	919	39	–	942	409	282	251	30	56	242
Busboys and dishwashers	822	765	48	6	705	144	208	353	10	24	570
Health service workers	322	286	36	–	317	178	97	42	4	21	71
Personal service workers	1 170	1 146	24	–	1 146	722	251	173	32	121	508
Protective service workers	2 753	2 688	60	–	2 726	2 155	397	174	94	184	212
Firemen, fire protection	560	555	5	–	553	505	40	8	9	28	12
Guards and watchmen	1 126	1 081	45	–	1 106	733	232	141	73	115	166
Policemen and detectives	896	886	10	–	896	812	84	–	12	27	27
Private household workers	**55**	**50**	**5**	–	**52**	**14**	**5**	**33**	–	**14**	**31**
Unemployed persons, last worked 1959 or earlier[2]	**63**	**63**	–	–	...	...	...	...	...	...	...

[1]Includes allocated cases not shown separately. [2]See text for explanation.

Table 172. **Occupation of the Experienced Civilian Labor Force by Race and Sex, and Weeks Worked in 1969 and Experienced Workers Not in Labor Force by 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	Total experienced civilian labor force	White	Negro	Persons of Puerto Rican birth or parentage	Weeks worked in 1969 of the experienced civilian labor force: Total	50 to 52 weeks	27 to 49 weeks	1 to 26 weeks	Year last worked of experienced workers not in labor force: 1960-63	1964-68	1969-70
SYRACUSE SMSA—Continued											
Female, 16 years old and over	**96 644**	**92 421**	**3 581**	**92**	**92 845**	**45 937**	**30 075**	**16 833**	**8 563**	**22 134**	**28 243**
Professional, technical, and kindred workers	**16 483**	**15 980**	**315**	**19**	**16 116**	**5 329**	**7 869**	**2 918**	**1 274**	**3 090**	**4 156**
Accountants	647	614	28	–	636	443	152	41	38	110	148
Computer specialists	192	185	3	–	182	121	39	22	5	24	30
Librarians	429	411	7	–	418	143	192	83	45	20	63
Mathematical specialists	36	36	–	–	36	18	18	–	–	20	6
Life and physical scientists	118	113	–	–	118	66	31	21	29	25	15
Registered nurses, dietitians, and therapists	3 318	3 251	54	6	3 215	1 504	1 023	688	287	699	601
Dietitians	93	90	3	–	81	43	17	21	12	26	21
Registered nurses	3 098	3 034	51	6	3 016	1 436	957	623	265	648	548
Health technologists and technicians	545	529	–	–	541	335	95	111	55	169	135
Social scientists	106	106	–	–	106	43	44	19	–	4	5
Social and recreation workers	665	612	47	–	649	359	144	146	40	128	546
Teachers: College and university	760	740	–	–	742	189	453	100	31	61	116
Elementary and prekindergarten	4 591	4 481	63	–	4 519	436	3 213	870	354	803	995
Secondary	1 976	1 926	34	6	1 937	230	1 383	324	148	408	443
Other teachers	432	416	16	–	422	86	247	89	25	51	102
Engineering and science technicians	375	342	18	7	370	227	86	57	31	91	88
Technicians, except health, and engineering and science	20	20	–	–	20	15	–	5	–	5	–
Writers, artists, and entertainers	660	635	20	–	643	329	194	120	50	148	366
Actors and dancers	32	28	4	–	32	6	11	15	–	9	35
Authors, editors, and reporters	110	110	–	–	105	83	16	6	10	32	79
Other professional, technical, and kindred workers	1 613	1 563	25	–	1 562	785	555	222	136	324	497
Managers and administrators, except farm	**2 928**	**2 916**	**7**	–	**2 891**	**2 047**	**575**	**269**	**176**	**474**	**485**
Buyers, purchasing agents, and sales managers	515	515	–	–	503	370	69	64	29	92	49
Restaurant, cafeteria, and bar managers	265	265	–	–	265	166	74	25	34	57	59
School administrators	192	188	4	–	192	68	110	14	29	19	34
Other specified managers and administrators	640	635	–	–	620	437	119	64	29	82	182
Managers and administrators, n.e.c., salaried	1 049	1 046	3	–	1 049	808	164	77	45	158	130
Wholesale and retail trade	323	323	–	–	323	260	47	16	11	48	55
Managers and administrators, n.e.c., self-employed	267	267	–	–	262	198	39	25	10	66	31
Wholesale and retail trade	157	157	–	–	157	117	19	21	5	34	15
Sales workers	**7 734**	**7 558**	**130**	–	**7 276**	**3 178**	**2 047**	**2 051**	**821**	**2 143**	**3 501**
Demonstrators, hucksters, and peddlers	310	306	4	–	269	77	116	76	21	116	182
Insurance, real estate agents, and brokers	626	616	4	–	600	320	225	55	30	94	64
Sales clerks, retail trade	5 442	5 295	118	–	5 160	2 115	1 405	1 640	618	1 575	2 647
Salesmen, retail trade	139	134	–	–	139	72	47	20	21	39	74
Other sales workers	1 217	1 207	4	–	1 108	594	254	260	131	319	534
Clerical and kindred workers	**36 995**	**36 061**	**829**	**24**	**35 808**	**21 314**	**8 918**	**5 576**	**3 525**	**7 961**	**9 751**
Bank tellers	648	620	28	–	620	411	109	100	24	148	148
Bookkeepers	4 356	4 308	23	4	4 301	3 040	825	436	347	733	610
Cashiers	2 571	2 514	51	–	2 415	849	860	706	203	720	1 213
Counter clerks, except food	512	505	7	–	469	280	147	42	19	102	190
Enumerators and interviewers	173	168	5	–	156	34	44	78	44	89	159
File clerks	1 176	1 087	89	–	1 100	563	223	314	92	283	493
Office machine operators	1 624	1 562	46	14	1 566	967	390	209	189	262	317
Bookkeeping and billing machine operators	179	172	7	–	179	98	54	27	30	22	27
Keypunch operators	1 002	952	34	14	970	624	246	100	100	157	173
Payroll and timekeeping clerks	483	483	–	–	483	347	87	49	37	68	83
Receptionists	859	845	5	–	832	444	215	173	66	218	327
Secretaries	10 237	10 080	138	–	10 005	6 680	2 292	1 033	1 010	2 384	1 976
Stenographers	463	457	–	–	454	310	85	59	61	140	58
Telephone operators	1 362	1 276	86	–	1 318	747	329	242	219	305	296
Typists	3 374	3 286	79	–	3 283	1 862	868	553	379	743	1 130
Other clerical and kindred workers	9 157	8 870	272	6	8 806	4 780	2 444	1 582	835	1 766	2 751
Craftsmen and kindred workers	**1 636**	**1 588**	**42**	**7**	**1 572**	**956**	**443**	**173**	**138**	**328**	**352**
Foremen, n.e.c	421	404	17	–	421	316	76	29	21	39	42
Operatives, except transport	**12 003**	**11 104**	**804**	**29**	**11 564**	**5 914**	**4 109**	**1 541**	**1 125**	**3 618**	**3 117**
Assemblers	2 526	2 279	221	–	2 460	1 057	1 168	235	256	899	447
Bottling and canning operatives	65	65	–	–	59	22	5	32	15	32	38
Checkers, examiners, and inspectors; manufacturing	1 227	1 124	98	–	1 216	629	518	69	75	327	152
Dressmakers and seamstresses, except factory	203	203	–	–	198	110	59	29	19	78	66
Laundry and drycleaning operatives, including ironers	653	480	147	16	621	398	155	68	70	208	219
Graders and sorters, manufacturing	46	46	–	–	46	16	5	25	18	32	23
Packers and wrappers, except produce	1 488	1 436	52	–	1 426	740	416	270	105	453	515
Sewers and stitchers	786	775	5	–	755	422	253	80	107	248	171
Textile operatives	69	69	–	–	69	38	16	15	20	34	21
Other specified operatives	2 190	2 064	115	13	2 050	1 088	648	314	229	561	798
Miscellaneous and not specified operatives	2 750	2 563	166	–	2 664	1 394	866	404	211	746	667
Manufacturing	2 496	2 315	160	–	2 416	1 284	773	359	171	724	559
Durable goods	1 533	1 397	126	–	1 481	704	570	207	86	364	238
Machinery, including electrical	658	586	68	–	638	270	299	69	26	183	104
Other durable goods	875	811	58	–	843	434	271	138	60	181	134
Nondurable goods, including not specified manufacturing	963	918	34	–	935	580	203	152	85	360	321
Food and kindred products	219	219	–	–	215	110	29	76	35	97	71
Apparel and other fabricated textile products	14	9	5	–	8	3	5	–	–	9	9
Nonmanufacturing industries	254	248	6	–	248	110	93	45	40	22	108
Transport equipment operatives	**492**	**488**	**4**	–	**469**	**96**	**267**	**106**	**12**	**64**	**60**
Laborers, except farm	**885**	**814**	**71**	–	**828**	**365**	**234**	**229**	**55**	**146**	**268**
Farmers and farm managers	**137**	**124**	**6**	–	**137**	**121**	**12**	**4**	**9**	**20**	**45**
Farm laborers and farm foremen	**281**	**243**	**17**	–	**265**	**123**	**92**	**50**	**19**	**89**	**148**
Paid farm laborers and farm foremen	184	146	17	–	178	75	65	38	19	77	79
Unpaid family workers	97	97	–	–	87	48	27	12	–	12	69
Service workers, except private household[1]	**14 992**	**13 747**	**1 130**	**13**	**14 159**	**5 814**	**5 010**	**3 335**	**1 228**	**3 617**	**5 797**
Cleaning service workers	2 040	1 740	288	–	1 961	1 133	501	327	177	567	662
Chambermaids and maids	530	435	87	–	489	238	148	103	55	181	307
Food service workers	6 498	6 204	238	7	6 157	1 910	2 554	1 693	529	1 619	3 005
Cooks, except private household	1 366	1 274	92	–	1 334	468	704	162	91	308	319
Waiters and food counter workers	3 882	3 752	88	–	3 602	1 154	1 293	1 155	329	1 018	2 269
Health service workers	2 841	2 487	347	6	2 687	1 373	754	560	214	614	877
Nursing aides, orderlies, and attendants	1 520	1 254	259	6	1 428	722	368	338	117	367	586
Practical nurses	784	733	51	–	763	401	223	139	55	148	145
Personal service workers	2 137	1 977	150	–	2 046	855	739	452	178	541	687
Hairdressers and cosmetologists	1 251	1 233	18	–	1 236	559	453	224	98	317	173
Private household workers	**1 895**	**1 628**	**217**	–	**1 760**	**680**	**499**	**581**	**181**	**584**	**563**
Private household workers, living in	180	174	6	–	180	134	30	16	–	5	–
Private household workers, living out	1 715	1 454	211	–	1 580	546	469	565	181	579	563
Unemployed persons, last worked 1959 or earlier[2]	**183**	**170**	**9**	–	...	...	...	...	...	...	...

[1]Includes protective service workers and allocated cases not shown separately. [2]See text for explanation.

Table 172. **Occupation of the Experienced Civilian Labor Force by Race and Sex, and Weeks Worked in 1969 and Experienced Workers Not in Labor Force by 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	Total experienced civilian labor force	White	Negro	Persons of Puerto Rican birth or parentage	Weeks worked in 1969 of the experienced civilian labor force: Total	50 to 52 weeks	27 to 49 weeks	1 to 26 weeks	Year last worked of experienced workers not in labor force: 1960-63	1964-68	1969-70
UTICA–ROME SMSA											
Male, 16 years old and over	**80 861**	**79 472**	**1 263**	**109**	**79 857**	**58 690**	**15 432**	**5 735**	**2 253**	**4 740**	**8 042**
Professional, technical, and kindred workers	**12 330**	**12 150**	**152**	**7**	**12 268**	**9 207**	**2 427**	**634**	**119**	**239**	**677**
Accountants	602	593	9	–	602	519	46	37	17	46	51
Architects	24	24	–	–	24	18	6	–	–	–	–
Computer specialists	419	410	9	–	419	364	35	20	–	–	10
Engineers	2 692	2 665	23	–	2 683	2 441	182	60	37	29	77
Aeronautical and astronautical	38	38	–	–	38	32	6	–	–	–	–
Civil	284	277	3	–	284	259	16	9	16	7	18
Electrical and electronic	1 112	1 106	6	–	1 108	1 009	81	18	5	9	15
Mechanical	262	262	–	–	262	246	4	12	5	–	9
Other engineers	996	982	14	–	991	895	75	21	11	13	35
Lawyers and judges	450	450	–	–	450	367	58	25	–	5	12
Life and physical scientists	177	177	–	–	177	163	9	5	–	6	24
Chemists	71	71	–	–	71	68	3	–	–	–	18
Physicians, dentists, and related practitioners	761	747	–	–	761	496	246	19	8	19	29
Dentists	179	179	–	–	179	67	108	4	–	4	–
Pharmacists	155	155	–	–	155	124	27	4	8	4	15
Physicians, medical and osteopathic	373	359	–	–	373	260	102	11	–	11	6
Other related practitioners	54	54	–	–	54	45	9	–	–	–	8
Health technologists and technicians	100	100	–	–	95	79	10	6	–	6	19
Religious workers	280	276	4	–	280	252	28	–	–	9	8
Social scientists	96	96	–	–	96	68	24	4	–	–	–
Social and recreation workers	217	217	–	–	217	171	18	28	–	18	104
Teachers	2 073	2 043	24	–	2 058	749	1 092	217	–	23	89
College and university	318	314	4	–	318	151	128	39	–	–	17
Elementary and prekindergarten	521	521	–	–	516	125	310	81	–	9	17
Secondary	1 056	1 035	15	–	1 046	358	611	77	–	8	38
Engineering and science technicians	1 960	1 925	35	–	1 951	1 484	386	81	21	14	58
Draftsmen and surveyors	543	531	12	–	538	375	127	36	7	6	40
Electrical and electronic engineering technicians	974	951	23	–	970	766	184	20	5	–	8
Technicians, except health, and engineering and science	286	282	–	–	286	274	12	–	6	9	5
Airplane pilots	149	149	–	–	149	142	7	–	–	9	5
Writers, artists, and entertainers	732	732	–	–	727	555	119	53	6	27	95
Other professional, technical, and kindred workers	1 461	1 413	48	7	1 442	1 207	156	79	24	28	96
Managers and administrators, except farm	**7 443**	**7 402**	**25**	–	**7 394**	**6 466**	**729**	**199**	**162**	**339**	**307**
Buyers, purchasing agents, and sales managers	1 117	1 112	–	–	1 112	1 031	68	13	27	25	15
School administrators	242	242	–	–	242	163	75	4	–	21	5
Specified managers and administrators, public administration	610	603	7	–	605	543	37	25	24	27	47
Other specified managers and administrators	1 158	1 149	9	–	1 143	924	174	45	22	110	69
Managers and administrators, n.e.c., salaried	3 182	3 168	9	–	3 170	2 895	224	51	74	95	104
Manufacturing	1 040	1 040	–	–	1 040	1 008	32	–	21	36	15
Wholesale and retail trade	1 015	1 010	–	–	1 008	873	99	36	15	17	30
Transportation, communications, and other public utilities	184	184	–	–	184	174	10	–	21	10	13
All other industries	943	934	9	–	938	840	83	15	17	32	46
Managers and administrators, n.e.c., self-employed	1 134	1 128	–	–	1 122	910	151	61	15	61	67
Construction	189	189	–	–	189	133	45	11	–	6	16
Manufacturing	65	65	–	–	65	51	5	9	–	–	–
Wholesale and retail trade	694	688	–	–	682	598	64	20	5	41	21
All other industries	186	186	–	–	186	128	37	21	10	14	30
Sales workers	**4 832**	**4 817**	**15**	–	**4 766**	**3 707**	**676**	**383**	**140**	**235**	**464**
Insurance agents, brokers, and underwriters	625	625	–	–	619	527	69	23	15	39	3
Real estate agents and brokers	168	168	–	–	168	132	33	3	–	5	10
Sales representatives, manufacturing industries	526	526	–	–	526	464	58	4	5	9	29
Sales representatives, wholesale trade	864	864	–	–	864	735	77	52	29	29	39
Sales clerks, retail trade	1 267	1 257	10	–	1 238	882	183	173	48	73	223
Salesmen, retail trade	589	584	5	–	589	437	124	28	30	24	29
Salesmen of services and construction	240	240	–	–	240	157	61	22	–	14	31
Other sales workers	553	553	–	–	522	373	71	78	13	42	100
Clerical and kindred workers	**6 230**	**6 096**	**114**	–	**6 155**	**4 558**	**1 054**	**543**	**159**	**349**	**744**
Bank tellers and cashiers	248	248	–	–	244	104	66	74	3	10	60
Bookkeepers and billing clerks	573	563	–	–	573	456	77	40	10	35	33
Mail handlers and postal clerks	836	816	20	–	836	690	124	22	24	31	69
Other clerical and kindred workers	4 573	4 469	94	–	4 502	3 308	787	407	122	273	582
Craftsmen and kindred workers	**17 297**	**17 064**	**204**	**22**	**17 172**	**12 853**	**3 591**	**728**	**524**	**1 074**	**1 255**
Apparel craftsmen and upholsterers	101	101	–	–	101	67	18	16	10	23	12
Bakers	170	170	–	–	160	113	31	16	4	25	13
Cabinetmakers	92	92	–	–	80	42	33	5	4	–	4
Construction craftsmen	4 303	4 271	29	–	4 292	2 459	1 521	312	163	268	442
Carpenters	1 414	1 409	5	–	1 414	689	628	97	62	84	151
Excavating, grading, and road machine operators	697	693	4	–	697	436	193	68	5	23	77
Electricians	675	671	4	–	675	508	138	29	18	18	–
Masons and tile setters	293	289	4	–	287	102	155	30	28	14	24
Painters, construction and maintenance, and paperhangers	410	404	6	–	405	197	160	48	33	65	152
Plasterers and cement finishers	85	85	–	–	85	20	65	–	4	–	9
Plumbers and pipe fitters	501	501	–	–	501	366	113	22	13	54	10
Other construction craftsmen	228	219	6	–	228	141	69	18	–	10	19
Foremen, n.e.c	2 787	2 754	33	–	2 782	2 457	294	31	102	135	148
Manufacturing	1 854	1 841	13	–	1 854	1 656	187	11	64	81	75
Nonmanufacturing industries	933	913	20	–	928	801	107	20	38	54	73
Linemen and servicemen, telephone and power	533	533	–	–	529	444	77	8	–	8	15
Locomotive engineers and firemen	54	54	–	–	54	43	11	–	–	20	11
Mechanics and repairmen	4 454	4 420	34	8	4 434	3 593	699	142	63	208	204
Air conditioning, heating, and refrigeration	246	246	–	–	246	216	25	5	4	–	11
Aircraft	338	325	13	–	338	327	7	4	6	–	6
Automobile, including body	1 535	1 532	3	–	1 520	1 202	280	38	13	76	71
Radio and television	290	290	–	–	290	211	79	–	–	3	16
Other mechanics and repairmen	2 045	2 027	18	8	2 040	1 637	308	95	40	129	100
Metal craftsmen, except mechanics	2 433	2 377	50	6	2 422	1 901	436	85	96	159	113
Machinists and job and die setters	952	943	9	–	952	709	196	47	30	38	28
Sheetmetal workers and tinsmiths	222	222	–	–	222	197	20	5	5	19	12
Tool and die makers	626	626	–	–	620	531	80	9	36	69	49
Other metal craftsmen	633	586	41	6	628	464	140	24	25	33	24
Printing craftsmen	443	433	10	–	443	345	64	34	14	8	19
Compositors and typesetters	233	223	10	–	233	192	35	6	10	–	13
Pressmen and plate printers, printing	168	168	–	–	168	124	26	18	4	3	6
Stationary engineers and power station operators	219	219	–	–	219	169	35	15	9	15	9
Other craftsmen and kindred workers	1 708	1 640	48	8	1 656	1 220	372	64	59	205	265

Table 172. **Occupation of the Experienced Civilian Labor Force by Race and Sex, and Weeks Worked in 1969 and Experienced Workers Not in Labor Force by 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	Total experienced civilian labor force	White	Negro	Persons of Puerto Rican birth or parentage	Weeks worked in 1969 of the experienced civilian labor force				Year last worked of experienced workers not in labor force		
					Total	50 to 52 weeks	27 to 49 weeks	1 to 26 weeks	1960-63	1964-68	1969-70
UTICA–ROME SMSA—Continued											
Male, 16 years old and over—Continued											
Operatives, except transport	**13 398**	**13 014**	**360**	**62**	**13 259**	**9 448**	**3 011**	**800**	**500**	**837**	**1 040**
Assemblers	1 227	1 224	3	10	1 209	882	267	60	53	72	97
Checkers, examiners, and inspectors; manufacturing	1 170	1 156	14	–	1 165	900	251	14	20	65	78
Garage workers and gas station attendants	532	524	8	–	520	226	162	132	–	14	137
Laundry and drycleaning operatives, n.e.c	138	132	6	–	138	103	26	9	–	11	4
Meat cutters and butchers	441	403	26	22	437	303	102	32	9	16	25
Mine operatives, n.e.c	44	44	–	–	44	26	18	–	–	–	5
Packers and wrappers, except produce	311	300	11	–	300	188	87	25	22	33	55
Painters, manufactured articles	110	110	–	–	110	93	17	–	–	–	7
Precision machine operatives	1 482	1 438	44	–	1 473	1 065	329	79	41	82	81
Sawyers	199	196	3	–	194	113	48	33	5	20	5
Stationary firemen	226	221	5	–	226	161	44	21	16	19	9
Textile operatives	331	277	54	–	317	216	94	7	13	25	41
Welders and flamecutters	473	464	9	–	469	343	111	15	5	28	18
Other metalworking operatives	1 265	1 225	35	–	1 251	934	272	45	73	84	73
Other specified operatives	1 487	1 445	42	–	1 474	1 079	313	82	118	116	152
Miscellaneous and not specified operatives	3 962	3 855	100	30	3 932	2 816	870	246	125	252	253
Occupation:											
Machine operatives, miscellaneous specified	1 502	1 446	56	13	1 485	1 040	323	122	35	98	113
Machine operatives, not specified	1 337	1 311	26	–	1 328	1 009	277	42	75	58	59
Miscellaneous operatives	806	786	13	17	802	587	166	49	10	65	57
Not specified operatives	317	312	5	–	317	180	104	33	5	31	24
Industry:											
Manufacturing	3 655	3 551	97	30	3 625	2 608	790	227	115	211	198
Durable goods	3 015	2 932	83	14	2 993	2 195	613	185	95	156	149
Wood products, including furniture	132	132	–	–	132	90	10	32	3	11	5
Primary metal industries	1 171	1 126	45	–	1 171	860	248	63	40	35	73
Fabricated metal industries	236	214	22	7	227	164	58	5	6	27	18
Machinery, including electrical	604	604	–	–	596	411	139	46	19	21	22
Motor vehicles and equipment	5	5	–	–	5	5	–	–	4	–	–
Transportation equipment, except motor vehicles	238	233	5	–	233	172	61	–	5	21	–
Other durable goods	629	618	11	7	629	493	97	39	18	41	31
Nondurable goods	634	613	14	16	626	407	177	42	20	55	42
Food and kindred products	201	191	3	10	201	127	57	17	10	23	15
Apparel and other fabricated textile products	6	6	–	–	6	6	–	–	–	–	–
Paper and allied products	322	311	11	–	314	193	100	21	5	8	6
Chemicals and allied products	24	24	–	6	24	20	4	–	–	18	–
Other nondurable goods	81	81	–	–	81	61	16	4	5	6	21
Not specified manufacturing industries	6	6	–	–	6	6	–	–	–	–	7
Nonmanufacturing industries	307	304	3	–	307	208	80	19	10	41	55
Transportation, communications, and other public utilities	15	12	3	–	15	11	4	–	5	10	–
Wholesale and retail trade	72	72	–	–	72	37	25	10	5	5	17
All other industries	220	220	–	–	220	160	51	9	–	26	38
Transport equipment operatives	**4 157**	**4 109**	**48**	**5**	**4 134**	**2 849**	**971**	**314**	**75**	**238**	**259**
Bus drivers	324	324	–	–	324	227	73	24	5	37	21
Taxicab drivers and chauffeurs	161	161	–	–	161	113	22	26	4	5	18
Truck drivers and deliverymen	3 178	3 141	37	5	3 161	2 159	775	227	54	165	152
Other transport equipment operatives	494	483	11	–	488	350	101	37	12	31	68
Laborers, except farm	**4 782**	**4 645**	**137**	**13**	**4 580**	**2 409**	**1 195**	**976**	**129**	**416**	**1 479**
Construction laborers	1 007	980	27	6	984	473	363	148	35	73	283
Freight, stock, and material handlers	2 091	2 062	29	–	1 980	1 006	505	469	32	188	467
Other specified laborers	1 078	1 030	48	–	1 040	567	214	259	37	96	496
Miscellaneous and not specified laborers	606	573	33	7	576	363	113	100	25	59	233
Occupation:											
Miscellaneous laborers	246	218	28	–	230	142	45	43	3	26	50
Not specified laborers	360	355	5	7	346	221	68	57	22	33	183
Industry:											
Manufacturing	286	281	5	7	276	161	66	49	15	29	72
Durable goods	217	217	–	7	212	138	42	32	9	24	42
Wood products, including furniture	23	23	–	–	23	18	–	5	–	–	8
Metal industries	120	120	–	7	115	82	17	16	3	18	19
Machinery, including electrical	22	22	–	–	22	16	6	–	–	–	–
Transportation equipment	10	10	–	–	10	5	–	5	6	6	–
Other durable goods	42	42	–	–	42	17	19	6	–	–	15
Nondurable goods	69	64	5	–	64	23	24	17	6	5	30
Food and kindred products	23	18	5	–	23	8	15	–	–	–	8
Not specified manufacturing industries	–	–	–	–	–	–	–	–	–	–	–
Nonmanufacturing industries	320	292	28	–	300	202	47	51	10	30	161
Railroads and railway express service	19	4	15	–	13	4	5	4	–	10	5
Transportation, except railroads	20	20	–	–	20	20	–	–	–	–	–
Communications, and utilities and sanitary services	59	59	–	–	59	40	10	9	4	15	31
Wholesale and retail trade	96	96	–	–	90	71	10	9	6	–	45
All other industries	126	113	13	–	118	67	22	29	–	5	80
Farmers and farm managers	**2 075**	**2 075**	**–**	**–**	**2 056**	**1 923**	**106**	**27**	**83**	**157**	**134**
Farm laborers and farm foremen	**969**	**943**	**26**	**–**	**934**	**669**	**122**	**143**	**22**	**105**	**323**
Paid farm laborers and farm foremen	747	721	26	–	728	492	110	126	17	100	251
Unpaid family workers	222	222	–	–	206	177	12	17	5	5	72
Service workers, except private household[1]	**7 304**	**7 121**	**174**	**–**	**7 130**	**4 601**	**1 546**	**983**	**335**	**751**	**1 351**
Cleaning service workers	2 221	2 165	56	–	2 155	1 390	451	314	164	310	334
Food service workers	1 592	1 575	17	–	1 541	706	418	417	49	186	549
Cooks, except private household	567	561	6	–	549	238	184	127	20	59	113
Busboys and dishwashers	243	243	–	–	232	46	61	125	7	47	204
Health service workers	898	861	37	–	885	711	128	46	13	83	30
Personal service workers	668	631	33	–	653	371	185	97	41	53	252
Protective service workers	1 512	1 507	5	–	1 506	1 189	246	71	33	71	94
Firemen, fire protection	342	342	–	–	342	326	13	3	–	7	19
Guards and watchmen	465	460	5	–	459	292	115	52	23	43	38
Policemen and detectives	617	617	–	–	617	520	87	10	–	10	26
Private household workers	**17**	**9**	**8**	**–**	**9**	**–**	**4**	**5**	**5**	**–**	**9**
Unemployed persons, last worked 1959 or earlier[2]	**27**	**27**	**–**	**–**	...	...	...	...	...	...	...

[1]Includes allocated cases not shown separately. [2]See text for explanation.

Table 172. **Occupation of the Experienced Civilian Labor Force by Race and Sex, and Weeks Worked in 1969 and Experienced Workers Not in Labor Force by 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	Total experienced civilian labor force	White	Negro	Persons of Puerto Rican birth or parentage	Weeks worked in 1969 of the experienced civilian labor force: Total	50 to 52 weeks	27 to 49 weeks	1 to 26 weeks	Year last worked of experienced workers not in labor force: 1960-63	1964-68	1969-70
UTICA-ROME SMSA—Continued											
Female, 16 years old and over	**50 448**	**49 388**	**950**	**44**	**48 469**	**25 785**	**15 482**	**7 202**	**4 845**	**11 875**	**11 731**
Professional, technical, and kindred workers	**7 680**	**7 558**	**101**	**8**	**7 483**	**2 944**	**3 400**	**1 139**	**500**	**1 405**	**1 659**
Accountants	210	210	–	–	194	125	44	25	17	24	11
Computer specialists	49	43	6	–	44	40	4	–	10	10	4
Librarians	200	200	–	–	200	86	93	21	10	11	19
Mathematical specialists	–	–	–	–	–	–	–	–	4	–	–
Life and physical scientists	12	12	–	–	12	5	7	–	–	16	–
Registered nurses, dietitians, and therapists	2 093	2 069	14	–	2 042	1 237	527	278	133	335	323
Dietitians	63	58	–	–	58	31	21	6	12	7	10
Registered nurses	1 957	1 938	14	–	1 916	1 162	492	262	121	319	307
Health technologists and technicians	398	390	8	–	375	228	99	48	17	71	51
Social scientists	6	6	–	–	6	6	–	–	–	–	–
Social and recreation workers	344	331	13	–	333	250	52	31	18	49	179
Teachers: College and university	135	135	–	–	129	32	83	14	7	10	27
Elementary and prekindergarten	2 267	2 224	43	–	2 237	259	1 535	443	133	420	503
Secondary	931	921	10	–	913	121	642	150	52	214	278
Other teachers	170	170	–	–	170	53	97	20	–	23	39
Engineering and science technicians	99	99	–	–	99	63	11	25	18	33	8
Technicians, except health, and engineering and science	9	9	–	–	9	9	–	–	–	4	–
Writers, artists, and entertainers	201	201	–	8	201	100	84	17	28	63	89
Actors and dancers	14	14	–	–	14	–	6	8	–	5	13
Authors, editors, and reporters	57	57	–	8	57	37	15	5	10	9	10
Other professional, technical, and kindred workers	556	538	7	–	519	330	122	67	53	122	128
Managers and administrators, except farm	**1 379**	**1 373**	**6**	–	**1 356**	**959**	**323**	**74**	**84**	**250**	**213**
Buyers, purchasing agents, and sales managers	183	183	–	–	183	157	5	21	14	22	56
Restaurant, cafeteria, and bar managers	158	152	6	–	151	64	70	17	–	20	14
School administrators	100	100	–	–	100	24	76	–	–	11	–
Other specified managers and administrators	324	324	–	–	313	240	45	28	26	96	76
Managers and administrators, n.e.c., salaried	403	403	–	–	398	323	70	5	25	72	29
Wholesale and retail trade	167	167	–	–	162	144	18	–	10	41	14
Managers and administrators, n.e.c., self-employed	211	211	–	–	211	151	57	3	19	29	38
Wholesale and retail trade	152	152	–	–	152	117	32	3	15	24	33
Sales workers	**3 175**	**3 162**	**13**	–	**3 017**	**1 523**	**859**	**635**	**368**	**896**	**1 131**
Demonstrators, hucksters, and peddlers	106	106	–	–	85	46	26	13	11	37	48
Insurance, real estate agents, and brokers	113	113	–	–	108	88	7	13	5	31	17
Sales clerks, retail trade	2 515	2 506	9	–	2 425	1 193	705	527	293	729	847
Salesmen, retail trade	97	93	4	–	97	54	28	15	5	13	6
Other sales workers	344	344	–	–	302	142	93	67	54	86	213
Clerical and kindred workers	**16 328**	**16 068**	**246**	–	**15 855**	**10 221**	**3 317**	**2 317**	**1 885**	**3 735**	**3 478**
Bank tellers	360	360	–	–	360	260	52	48	41	94	59
Bookkeepers	2 218	2 213	5	–	2 195	1 622	337	236	231	355	349
Cashiers	1 233	1 220	13	–	1 184	455	368	361	78	273	375
Counter clerks, except food	182	182	–	–	182	103	62	17	31	67	83
Enumerators and interviewers	29	29	–	–	29	4	5	20	5	23	26
File clerks	545	526	19	–	524	291	120	113	80	132	217
Office machine operators	699	684	15	–	682	490	116	76	70	183	145
Bookkeeping and billing machine operators	120	114	6	–	116	83	14	19	6	26	14
Keypunch operators	357	354	3	–	348	245	60	43	41	121	90
Payroll and timekeeping clerks	323	319	4	–	316	251	32	33	21	75	27
Receptionists	376	371	5	–	340	212	79	49	35	122	88
Secretaries	4 197	4 135	57	–	4 094	2 910	752	432	483	924	697
Stenographers	457	448	5	–	453	305	80	68	48	73	67
Telephone operators	616	607	9	–	608	351	168	89	148	191	94
Typists	1 543	1 483	55	–	1 484	912	366	206	224	394	281
Other clerical and kindred workers	3 550	3 491	59	–	3 404	2 055	780	569	390	829	970
Craftsmen and kindred workers	**776**	**772**	**4**	**6**	**738**	**371**	**295**	**72**	**74**	**244**	**201**
Foremen, n.e.c.	111	111	–	–	111	76	35	–	22	46	20
Operatives, except transport	**9 100**	**8 771**	**291**	**18**	**8 795**	**3 968**	**3 844**	**983**	**986**	**2 666**	**1 742**
Assemblers	2 297	2 238	48	–	2 243	835	1 210	198	199	689	470
Bottling and canning operatives	14	14	–	–	14	9	–	5	3	–	12
Checkers, examiners, and inspectors, manufacturing	1 016	1 002	8	–	973	452	425	96	72	303	100
Dressmakers and seamstresses, except factory	98	98	–	6	94	32	28	34	19	78	29
Laundry and drycleaning operatives, including ironers	576	502	74	5	558	340	179	39	68	118	99
Graders and sorters, manufacturing	42	42	–	–	37	23	5	9	6	–	4
Packers and wrappers, except produce	611	611	–	–	587	288	198	101	46	148	122
Sewers and stitchers	1 334	1 313	16	–	1 303	562	577	164	212	449	259
Textile operatives	399	369	30	–	380	227	121	32	55	124	73
Other specified operatives	1 446	1 373	68	–	1 376	565	619	192	208	436	275
Miscellaneous and not specified operatives	1 267	1 209	47	7	1 230	635	482	113	98	321	299
Manufacturing	1 200	1 147	42	7	1 168	594	465	109	94	310	246
Durable goods	683	655	17	–	671	357	255	59	31	170	135
Machinery, including electrical	296	274	17	–	296	155	129	12	20	72	70
Other durable goods	387	381	–	–	375	202	126	47	11	98	65
Nondurable goods, including not specified manufacturing	517	492	25	7	497	237	210	50	63	140	111
Food and kindred products	70	70	–	–	70	44	26	–	20	20	–
Apparel and other fabricated textile products	123	119	4	–	117	48	56	13	–	33	15
Nonmanufacturing industries	67	62	5	–	62	41	17	4	4	11	53
Transport equipment operatives	**142**	**142**	–	–	**142**	**40**	**42**	**60**	**6**	**24**	**49**
Laborers, except farm	**381**	**381**	–	**8**	**361**	**196**	**103**	**62**	**41**	**69**	**149**
Farmers and farm managers	**289**	**284**	**5**	–	**267**	**233**	**29**	**5**	**17**	**28**	**26**
Farm laborers and farm foremen	**255**	**244**	**11**	–	**234**	**184**	**35**	**15**	**20**	**52**	**100**
Paid farm laborers and farm foremen	72	61	11	–	65	24	26	15	7	41	37
Unpaid family workers	183	183	–	–	169	160	9	–	13	11	63
Service workers, except private household[1]	**9 708**	**9 448**	**233**	–	**9 249**	**4 693**	**2 966**	**1 590**	**718**	**2 143**	**2 579**
Cleaning service workers	1 031	980	51	–	990	544	279	167	92	228	274
Chambermaids and maids	321	306	15	–	311	144	102	65	33	104	154
Food service workers	3 562	3 514	30	–	3 376	1 379	1 308	689	310	982	1 237
Cooks, except private household	883	874	4	–	862	414	343	105	59	261	127
Waiters and food counter workers	1 901	1 862	26	–	1 765	672	652	441	184	586	932
Health service workers	3 082	2 971	106	–	2 981	1 890	663	428	171	532	536
Nursing aides, orderlies, and attendants	2 200	2 128	67	–	2 137	1 448	437	252	79	354	355
Practical nurses	548	521	27	–	516	273	161	82	62	109	100
Personal service workers	1 354	1 340	14	–	1 314	656	456	202	82	287	302
Hairdressers and cosmetologists	734	734	–	–	708	343	275	90	38	132	89
Private household workers	**1 065**	**1 026**	**33**	–	**972**	**453**	**269**	**250**	**146**	**363**	**404**
Private household workers, living in	127	121	–	–	127	111	11	5	–	–	5
Private household workers, living out	938	905	33	–	845	342	258	245	146	363	399
Unemployed persons, last worked 1959 or earlier[2]	**170**	**159**	**7**	**4**	...	...	...	...	...	...	...

[1]Includes protective service workers and allocated cases not shown separately. [2]See text for explanation.

Table 173. Occupation of Employed Persons by Class of Worker, Race, 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	Total employed	Private wage and salary workers	Government workers				Self-employed workers	Unpaid family workers
			Total	Federal	State	Local		
THE STATE								
Total								
Male, 16 years old and over	**4 378 187**	**3 330 133**	**677 437**	**157 283**	**132 865**	**387 289**	**364 395**	**6 222**
Professional, technical, and kindred workers	**726 248**	**454 340**	**174 737**	**22 394**	**44 759**	**107 584**	**96 776**	**395**
Accountants	64 706	46 836	8 345	3 633	2 761	1 951	9 486	39
Architects	6 036	3 421	771	98	363	310	1 844	–
Computer specialists	24 943	23 309	1 533	483	623	427	101	–
Engineers	102 280	88 345	11 285	3 228	4 138	3 919	2 650	–
Aeronautical and astronautical	4 843	4 686	157	142	6	9	–	–
Civil	14 706	8 010	6 172	661	3 012	2 499	524	–
Electrical and electronic	27 291	25 548	1 549	846	244	459	194	–
Mechanical	13 660	12 504	927	455	112	360	229	–
Other engineers	41 780	37 597	2 480	1 124	764	592	1 703	–
Lawyers and judges	40 076	13 047	5 119	1 200	1 640	2 279	21 892	18
Life and physical scientists	13 931	11 171	2 556	1 171	810	575	204	–
Chemists	9 211	8 089	1 049	382	381	286	73	–
Physicians, dentists, and related practitioners	60 090	19 129	6 679	1 230	2 219	3 230	34 267	15
Dentists	11 866	1 133	351	115	91	145	10 382	–
Pharmacists	10 217	7 513	511	92	127	292	2 193	–
Physicians, medical and osteopathic	33 616	9 570	5 678	989	1 911	2 778	18 353	15
Other related practitioners	4 391	913	139	34	90	15	3 339	–
Health technologists and technicians	8 367	5 401	2 625	612	743	1 270	321	20
Religious workers	15 208	13 404	230	39	137	54	1 574	–
Social scientists	11 933	8 571	2 510	580	824	1 106	842	10
Social and recreation workers	15 693	3 894	11 677	682	2 149	8 846	117	5
Teachers	121 238	35 216	84 156	917	15 505	67 734	1 849	17
College and university	31 539	16 515	15 024	271	8 964	5 789	–	–
Elementary and prekindergarten	26 425	5 053	21 366	207	2 186	18 973	–	6
Secondary	55 774	9 375	46 399	276	3 764	42 359	–	–
Engineering and science technicians	58 909	52 611	5 500	1 802	1 988	1 710	777	21
Draftsmen and surveyors	25 257	22 405	2 324	405	861	1 058	519	9
Electrical and electronic engineering technicians	14 405	13 186	1 150	867	173	110	69	–
Technicians, except health, and engineering and science	8 560	5 437	2 993	1 895	346	752	130	–
Airplane pilots	2 563	2 382	163	84	69	10	18	–
Writers, artists, and entertainers	79 943	61 775	3 702	1 243	1 272	1 187	14 326	140
Other professional, technical, and kindred workers	94 335	62 773	25 056	3 581	9 241	12 234	6 396	110
Managers and administrators, except farm	**509 827**	**394 186**	**51 978**	**14 015**	**11 557**	**26 406**	**62 979**	**684**
Buyers, purchasing agents, and sales managers	67 224	61 108	1 757	731	510	516	4 282	77
School administrators	13 038	3 134	9 755	50	1 460	8 245	149	–
Specified managers and administrators, public administration	25 122	5	25 117	11 214	5 405	8 498	–	–
Other specified managers and administrators	103 641	84 502	6 171	1 178	1 953	3 040	12 757	211
Managers and administrators, n.e.c., salaried	254 615	245 437	9 178	842	2 229	6 107	–	–
Manufacturing	73 548	73 394	154	90	15	49	–	–
Wholesale and retail trade	75 043	74 724	319	110	61	148	–	–
Transportation, communications and other public utilities	23 412	21 476	1 936	88	331	1 517	–	–
All other industries	82 612	75 843	6 769	554	1 822	4 393	–	–
Managers and administrators, n.e.c., self-employed	46 187	–	–	–	–	–	45 791	396
Construction	6 513	–	–	–	–	–	6 484	29
Manufacturing	4 600	–	–	–	–	–	4 539	61
Wholesale and retail trade	23 641	–	–	–	–	–	23 491	150
All other industries	11 433	–	–	–	–	–	11 277	156
Sales workers	**346 737**	**297 606**	**2 906**	**685**	**600**	**1 621**	**45 478**	**747**
Insurance agents, brokers, and underwriters	32 892	27 939	244	54	100	90	4 703	6
Real estate agents and brokers	12 288	7 939	181	16	20	145	4 155	13
Sales representatives, manufacturing industries	45 866	43 599	54	13	16	25	2 204	9
Sales representatives, wholesale trade	59 410	52 009	102	34	19	49	7 246	53
Sales clerks, retail trade	95 728	79 105	497	142	76	279	15 659	467
Salesmen, retail trade	29 805	26 269	66	21	19	26	3 423	47
Salesmen of services and construction	16 234	14 156	855	168	175	512	1 182	41
Other sales workers	54 514	46 590	907	237	175	495	6 906	111
Clerical and kindred workers	**475 914**	**349 998**	**120 213**	**80 293**	**13 914**	**26 006**	**5 333**	**370**
Bank tellers and cashiers	21 252	18 418	2 527	353	915	1 259	256	51
Bookkeepers and billing clerks	42 732	36 640	4 603	1 438	1 338	1 827	1 420	69
Mail handlers and postal clerks	70 440	11 016	59 368	58 295	705	368	43	13
Other clerical and kindred workers	341 490	283 924	53 715	20 207	10 956	22 552	3 614	237
Craftsmen and kindred workers	**824 023**	**695 489**	**64 645**	**11 578**	**14 688**	**38 379**	**63 379**	**510**
Apparel craftsmen and upholsterers	17 458	14 603	270	101	116	53	2 574	11
Bakers	11 028	9 843	259	40	102	117	913	13
Cabinetmakers	5 421	4 353	178	30	42	106	890	–
Construction craftsmen	199 720	154 418	18 099	2 358	5 008	10 733	27 046	157
Carpenters	56 481	43 760	2 723	428	852	1 443	9 911	87
Excavating, grading, and road machine operators	15 001	9 155	5 038	173	1 200	3 665	799	9
Electricians	37 738	31 710	3 811	764	873	2 174	2 212	5
Masons and tile setters	14 967	12 380	630	110	189	331	1 949	8
Painters, construction and maintenance, and paperhangers	27 074	17 008	2 778	388	950	1 440	7 251	37
Plasterers and cement finishers	5 419	4 761	320	22	68	230	338	–
Plumbers and pipe fitters	31 744	25 999	2 467	421	783	1 263	3 267	11
Other construction craftsmen	11 296	9 645	332	52	93	187	1 319	–
Foremen, n.e.c	118 511	106 199	10 767	2 035	2 351	6 381	1 495	50
Manufacturing	63 881	62 802	478	280	67	131	578	23
Nonmanufacturing industries	54 630	43 397	10 289	1 755	2 284	6 250	917	27
Linemen and servicemen, telephone and power	39 054	37 892	1 110	207	325	578	52	–
Locomotive engineers and firemen	3 877	3 401	470	48	203	219	6	–
Mechanics and repairmen	187 188	155 843	17 356	3 207	3 075	11 074	13 807	182
Air conditioning, heating, and refrigeration	12 075	10 420	518	196	136	186	1 129	8
Aircraft	9 293	8 682	592	424	106	62	19	–
Automobile, including body	69 561	55 447	6 492	896	972	4 624	7 559	63
Radio and television	10 519	7 417	897	375	175	347	2 180	25
Other mechanics and repairmen	85 740	73 877	8 857	1 316	1 686	5 855	2 920	86
Metal craftsmen, except mechanics	71 972	68 294	2 412	985	468	959	1 255	11
Machinists and job and die setters	29 887	28 251	1 324	602	222	500	306	6
Sheetmetal workers and tinsmiths	9 748	9 154	317	72	112	133	272	5
Tool and die makers	15 885	15 411	188	126	33	29	286	–
Other metal craftsmen	16 452	15 478	583	185	101	297	391	–
Printing craftsmen	43 175	41 031	1 055	388	283	384	1 068	21
Compositors and typesetters	17 968	16 987	382	152	102	128	578	21
Pressmen and plate printers, printing	18 645	17 772	553	206	160	187	320	–
Stationary engineers and power station operators	12 679	8 613	4 007	287	1 030	2 690	55	4
Other craftsmen and kindred workers	113 940	90 999	8 662	1 892	1 685	5 085	14 218	61

Table 173. **Occupation of Employed Persons by Class of Worker, Race, 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	Total employed	Private wage and salary workers	Government workers				Self-employed workers	Unpaid family workers
			Total	Federal	State	Local		
THE STATE—Continued								
Total—Continued								
Male, 16 years old and over—Continued								
Operatives, except transport	**470 706**	**440 802**	**16 095**	**4 465**	**3 446**	**8 184**	**13 540**	**269**
Assemblers	35 057	34 279	532	275	70	187	242	4
Checkers, examiners, and inspectors; manufacturing	28 671	27 712	895	417	135	343	64	-
Garage workers and gas station attendants	17 971	16 421	310	52	52	206	1 198	42
Laundry and drycleaning operatives, n.e.c	8 517	5 850	913	90	520	303	1 725	29
Meat cutters and butchers	23 231	19 977	344	112	93	139	2 894	16
Mine operatives, n.e.c	1 577	1 521	25	-	4	21	31	-
Packers and wrappers, except produce	20 839	20 337	344	164	37	143	149	9
Painters, manufactured articles	6 010	5 816	84	33	5	46	107	3
Precision machine operatives	25 000	24 304	345	199	36	110	341	10
Sawyers	2 737	2 534	43	5	4	34	160	-
Stationary firemen	7 635	4 474	3 140	309	716	2 115	21	-
Textile operatives	7 372	7 193	94	24	18	52	85	-
Welders and flamecutters	23 694	22 191	955	273	211	471	533	15
Other metalworking operatives	22 430	21 766	365	180	21	164	280	19
Other specified operatives	110 127	102 795	3 423	1 013	718	1 692	3 853	56
Miscellaneous and not specified operatives	129 838	123 632	4 283	1 319	806	2 158	1 857	66
Occupation:								
Machine operatives, miscellaneous specified	46 463	45 009	800	300	139	361	637	17
Machine operatives, not specified	35 593	34 331	1 088	372	177	539	159	15
Miscellaneous operatives	33 277	30 563	1 899	465	420	1 014	787	28
Not specified operatives	14 505	13 729	496	182	70	244	274	6
Industry:								
Manufacturing	108 557	106 259	1 271	637	110	524	999	28
Durable goods	64 237	62 803	886	514	51	321	525	23
Wood products, including furniture	3 311	3 206	25	17	-	8	80	-
Primary metal industries	9 518	9 423	87	21	15	51	8	-
Fabricated metal industries	6 796	6 686	85	31	-	54	13	12
Machinery, including electrical	18 399	18 116	216	125	13	78	67	-
Motor vehicles and equipment	4 149	4 102	47	19	-	28	-	-
Transportation equipment, except motor vehicles	2 427	2 286	130	99	9	22	6	5
Other durable goods	19 637	18 984	296	202	14	80	351	6
Nondurable goods	42 601	41 780	342	99	54	189	474	5
Food and kindred products	8 198	7 951	79	27	15	37	168	-
Apparel and other fabricated textile products	3 395	3 322	16	-	-	16	57	-
Paper and allied products	10 732	10 631	62	23	-	39	39	-
Chemicals and allied products	7 286	7 204	44	22	5	17	33	5
Other nondurable goods	12 990	12 672	141	27	34	80	177	-
Not specified manufacturing industries	1 719	1 676	43	24	5	14	-	-
Nonmanufacturing industries	21 281	17 373	3 012	682	696	1 634	858	38
Transportation, communications, and other public utilities	5 086	4 170	902	28	170	704	14	-
Wholesale and retail trade	7 398	6 984	92	51	10	31	313	9
All other industries	8 797	6 219	2 018	603	516	899	531	29
Transport equipment operatives	**252 912**	**200 293**	**36 971**	**3 321**	**5 095**	**28 555**	**15 513**	**135**
Bus drivers	22 862	11 073	11 509	86	1 480	9 943	272	8
Taxicab drivers and chauffeurs	37 116	28 548	2 225	418	423	1 384	6 326	17
Truck drivers and deliverymen	147 035	125 519	13 923	2 095	2 043	9 785	7 507	86
Other transport equipment operatives	45 899	35 153	9 314	722	1 149	7 443	1 408	24
Laborers, except farm	**236 968**	**183 070**	**46 447**	**9 826**	**6 777**	**29 844**	**7 056**	**395**
Construction laborers	42 016	32 584	9 299	161	2 718	6 420	65	68
Freight, stock, and material handlers	104 416	85 342	17 710	7 280	545	9 885	1 269	95
Other specified laborers	57 153	39 416	12 664	1 846	2 362	8 456	4 914	159
Miscellaneous and not specified laborers	33 383	25 728	6 774	539	1 152	5 083	808	73
Occupation:								
Miscellaneous laborers	11 591	7 954	3 224	164	425	2 635	403	10
Not specified laborers	21 792	17 774	3 550	375	727	2 448	405	63
Industry:								
Manufacturing	12 858	12 503	257	94	66	97	92	6
Durable goods	8 598	8 341	194	85	50	59	57	6
Wood products, including furniture	507	502	-	-	-	-	5	-
Metal industries	4 010	3 934	57	19	15	23	19	-
Machinery, including electrical	1 488	1 471	6	-	-	6	11	-
Transportation equipment	909	829	80	32	23	25	-	-
Other durable goods	1 684	1 605	51	34	12	5	22	6
Nondurable goods	4 086	3 988	63	9	16	38	35	-
Food and kindred products	1 379	1 351	13	-	-	13	15	-
Not specified manufacturing industries	174	174	-	-	-	-	-	-
Nonmanufacturing industries	20 525	13 225	6 517	445	1 086	4 986	716	67
Railroads and railway express service	1 943	1 567	376	35	213	128	-	-
Transportation, except railroads	2 369	1 010	1 318	21	131	1 166	34	7
Communications, and utilities and sanitary services	3 008	871	2 095	13	59	2 023	42	-
Wholesale and retail trade	4 270	3 908	36	8	23	5	300	26
All other industries	8 935	5 869	2 692	368	660	1 664	340	34
Farmers and farm managers	**35 749**	**2 514**	**164**	**17**	**97**	**50**	**33 039**	**32**
Farm laborers and farm foremen	**23 655**	**20 625**	**672**	**49**	**416**	**207**	**264**	**2 094**
Paid farm laborers and farm foremen	21 561	20 625	672	49	416	207	264	-
Unpaid family workers	2 094	-	-	-	-	-	-	2 094
Service workers, except private household[1]	**471 932**	**287 806**	**162 603**	**10 640**	**31 516**	**120 447**	**20 932**	**591**
Cleaning service workers	125 832	85 235	38 045	3 709	8 188	26 148	2 410	142
Food service workers	113 955	100 695	6 223	1 064	2 836	2 323	6 709	328
Cooks, except private household	38 427	32 950	2 745	503	1 262	980	2 631	101
Busboys and dishwashers	15 961	14 943	957	82	506	369	50	11
Health service workers	18 242	6 626	11 498	1 196	7 626	2 676	112	6
Personal service workers	51 732	37 442	4 248	622	1 294	2 332	9 967	75
Protective service workers	123 336	27 300	95 772	3 210	10 188	82 374	248	16
Firemen, fire protection	20 443	340	20 103	227	113	19 763	-	-
Guards and watchmen	38 807	24 884	13 805	1 477	5 382	6 946	102	16
Policemen and detectives	59 965	1 955	57 873	1 353	4 172	52 348	137	-
Private household workers	**3 516**	**3 404**	**6**	**-**	**-**	**6**	**106**	**-**

[1]Includes allocated cases not shown separately.

Table 173. **Occupation of Employed Persons by Class of Worker, Race, 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	Total employed	Private wage and salary workers	Government workers				Self-employed workers	Unpaid family workers
			Total	Federal	State	Local		
THE STATE—Continued								
Total—Continued								
Female, 16 years old and over	**2 745 814**	**2 131 947**	**520 774**	**61 796**	**118 322**	**340 656**	**75 812**	**17 281**
Professional, technical, and kindred workers	**465 813**	**235 634**	**209 065**	**8 955**	**32 872**	**167 238**	**20 066**	**1 048**
Accountants	14 910	11 572	2 739	785	841	1 113	493	106
Computer specialists	7 153	6 535	582	76	307	199	36	–
Librarians	9 127	3 439	5 639	147	976	4 516	7	42
Mathematical specialists	1 714	1 486	218	65	79	74	6	4
Life and physical scientists	2 959	2 174	736	129	253	354	49	–
Registered nurses, dietitians, and therapists	90 354	62 972	23 966	2 320	7 119	14 527	3 150	266
Dietitians	3 614	2 397	1 178	170	229	779	34	5
Registered nurses	81 861	58 094	20 578	2 001	5 762	12 815	2 944	245
Health technologists and technicians	16 493	13 086	3 304	459	1 031	1 814	54	49
Social scientists	3 443	1 873	1 241	172	307	762	316	13
Social and recreation workers	21 692	7 501	13 996	835	1 801	11 360	130	65
Teachers: College and university	13 309	6 641	6 668	109	3 186	3 373	–	–
Elementary and prekindergarten	114 070	28 490	85 406	919	7 159	77 328	146	28
Secondary	48 301	10 273	38 028	285	2 965	34 778	–	–
Other teachers	10 538	4 469	2 235	202	738	1 295	3 787	47
Engineering and science technicians	7 030	5 868	1 121	173	619	329	41	–
Technicians, except health, and engineering and science	698	456	218	58	76	84	24	–
Writers, artists, and entertainers	38 825	30 323	1 692	541	377	774	6 647	163
Actors and dancers	1 886	1 713	56	16	13	27	117	–
Authors, editors, and reporters	13 216	11 069	316	147	94	75	1 795	36
Other professional, technical, and kindred workers	65 197	38 476	21 276	1 680	5 038	14 558	5 180	265
Managers and administrators, except farm	**97 142**	**70 527**	**14 990**	**2 707**	**2 601**	**9 682**	**10 193**	**1 432**
Buyers, purchasing agents, and sales managers	15 648	14 286	511	171	122	218	745	106
Restaurant, cafeteria, and bar managers	6 036	3 043	1 071	40	122	909	1 677	245
School administrators	5 881	2 601	3 221	56	526	2 639	59	–
Other specified managers and administrators	22 996	14 178	7 522	2 112	1 286	4 124	1 128	168
Managers and administrators, n.e.c., salaried	39 084	36 419	2 665	328	545	1 792	–	–
Wholesale and retail trade	10 005	9 926	79	43	15	21	–	–
Managers and administrators, n.e.c., self-employed	7 497	–	–	–	–	–	6 584	913
Wholesale and retail trade	4 416	–	–	–	–	–	3 908	508
Sales workers	**187 550**	**171 250**	**2 088**	**432**	**528**	**1 128**	**11 015**	**3 197**
Demonstrators, hucksters, and peddlers	4 694	3 929	15	6	–	9	737	13
Insurance, real estate agents, and brokers	11 343	9 349	203	16	97	90	1 749	42
Sales clerks, retail trade	128 844	119 519	728	174	167	387	6 177	2 420
Salesmen, retail trade	4 570	3 932	11	5	–	6	387	240
Other sales workers	38 099	34 521	1 131	231	264	636	1 965	482
Clerical and kindred workers	**1 122 867**	**919 409**	**190 749**	**41 291**	**47 884**	**101 574**	**6 875**	**5 834**
Bank tellers	21 206	19 996	1 199	666	251	282	–	11
Bookkeepers	130 598	117 000	9 847	1 579	2 545	5 723	1 899	1 852
Cashiers	59 642	55 046	3 779	307	1 115	2 357	448	369
Counter clerks, except food	11 624	11 101	200	41	81	78	189	134
Enumerators and interviewers	3 401	1 411	1 881	1 496	82	303	102	7
File clerks	46 683	37 159	9 384	1 356	3 647	4 381	76	64
Office machine operators	45 001	39 828	5 044	1 055	2 000	1 989	100	29
Bookkeeping and billing machine operators	6 174	5 574	594	142	120	332	–	6
Keypunch operators	26 965	23 693	3 198	689	1 423	1 086	64	10
Payroll and timekeeping clerks	10 832	8 726	2 096	330	402	1 364	5	5
Receptionists	28 334	24 697	3 252	540	963	1 749	129	256
Secretaries	305 118	262 073	40 076	7 471	10 621	21 984	1 118	1 851
Stenographers	14 689	6 380	8 100	863	3 990	3 247	191	18
Telephone operators	43 551	39 964	3 520	560	888	2 072	46	21
Typists	115 028	86 435	27 560	4 989	7 743	14 828	810	223
Other clerical and kindred workers	287 160	209 593	74 811	20 038	13 556	41 217	1 762	994
Craftsmen and kindred workers	**41 752**	**36 766**	**2 305**	**390**	**604**	**1 311**	**2 334**	**347**
Foremen, n.e.c	13 163	12 220	759	119	284	356	135	49
Operatives, except transport	**343 989**	**331 996**	**6 717**	**1 617**	**2 132**	**2 968**	**4 375**	**901**
Assemblers	35 488	34 922	484	194	87	203	65	17
Bottling and canning operatives	815	812	3	3	–	–	–	–
Checkers, examiners, and inspectors, manufacturing	19 678	19 431	206	52	68	86	24	17
Dressmakers and seamstresses, except factory	8 003	5 878	180	38	73	69	1 847	98
Laundry and drycleaning operatives, including ironers	17 351	14 872	1 581	173	819	589	599	299
Graders and sorters, manufacturing	1 283	1 268	11	4	7	–	–	4
Packers and wrappers, except produce	31 877	31 490	281	58	86	137	80	26
Sewers and stitchers	101 939	100 417	942	207	233	502	476	104
Textile operatives	6 631	6 537	63	11	4	48	31	–
Other specified operatives	62 543	59 782	1 632	496	327	809	859	270
Miscellaneous and not specified operatives	58 381	56 587	1 334	381	428	525	394	66
Manufacturing	52 037	51 210	524	255	68	201	256	47
Durable goods	23 938	23 448	318	180	25	113	145	27
Machinery, including electrical	9 323	9 196	118	90	7	21	5	4
Other durable goods	14 615	14 252	200	90	18	92	140	23
Nondurable goods, including not specified manufacturing	28 099	27 762	206	75	43	88	111	20
Food and kindred products	3 107	3 049	22	3	5	14	32	4
Apparel and other fabricated textile products	8 947	8 856	47	25	11	11	44	–
Nonmanufacturing industries	6 344	5 377	810	126	360	324	138	19
Transport equipment operatives	**10 383**	**6 880**	**3 102**	**79**	**722**	**2 301**	**311**	**90**
Laborers, except farm	**16 828**	**14 533**	**1 661**	**682**	**257**	**722**	**440**	**194**
Farmers and farm managers	**3 084**	**237**	**9**	**–**	**4**	**5**	**2 833**	**5**
Farm laborers and farm foremen	**5 150**	**3 234**	**97**	**18**	**29**	**50**	**60**	**1 759**
Paid farm laborers and farm foremen	3 391	3 234	97	18	29	50	60	–
Unpaid family workers	1 759	–	–	–	–	–	–	1 759
Service workers, except private household[1]	**373 794**	**264 423**	**89 885**	**5 591**	**30 674**	**53 620**	**17 039**	**2 447**
Cleaning service workers	50 341	40 355	9 268	797	2 866	5 605	520	198
Chambermaids and maids	13 610	12 118	1 367	62	537	768	70	55
Food service workers	122 017	93 633	23 547	1 023	6 909	15 615	3 261	1 576
Cooks, except private household	21 995	14 251	5 774	245	1 501	4 028	1 416	554
Waiters and food counter workers	73 256	64 922	6 238	320	2 470	3 448	1 313	783
Health service workers	93 098	60 890	31 006	2 255	15 496	13 255	968	234
Nursing aides, orderlies, and attendants	56 309	32 805	23 195	1 467	13 269	8 459	268	41
Practical nurses	18 068	12 551	4 804	406	1 264	3 134	690	23
Personal service workers	60 883	39 567	10 282	908	2 621	6 753	10 748	286
Hairdressers and cosmetologists	28 657	19 359	249	19	197	33	8 922	127
Private household workers	**77 462**	**77 058**	**106**	**34**	**15**	**57**	**271**	**27**
Private household workers, living in	12 530	12 519	–	–	–	–	5	6
Private household workers, living out	64 932	64 539	106	34	15	57	266	21

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

Table 173. **Occupation of Employed Persons by Class of Worker, Race, 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	Total employed	Private wage and salary workers	Government workers				Self-employed workers	Unpaid family workers
			Total	Federal	State	Local		
THE STATE—Continued								
Negro								
Male, 16 years old and over	**407 002**	**307 409**	**85 526**	**27 138**	**11 471**	**46 917**	**13 883**	**184**
Professional, technical, and kindred workers	**32 215**	**18 929**	**10 954**	**1 762**	**2 376**	**6 816**	**2 322**	**10**
Accountants	2 234	1 722	418	190	89	139	94	-
Architects	207	113	65	27	7	31	29	-
Computer specialists	1 230	1 116	110	56	12	42	4	-
Engineers	1 837	1 446	373	102	77	194	18	-
Aeronautical and astronautical	54	45	9	9	-	-	-	-
Civil	385	248	137	20	37	80	-	-
Electrical and electronic	531	421	104	45	-	59	6	-
Mechanical	236	193	43	5	14	24	-	-
Other engineers	631	539	80	23	26	31	12	-
Lawyers and judges	490	157	187	22	69	96	146	-
Life and physical scientists	532	387	137	58	10	69	8	-
Chemists	347	289	58	23	6	29	-	-
Physicians, dentists, and related practitioners	1 284	447	283	47	66	170	554	-
Dentists	249	49	25	5	5	15	175	-
Pharmacists	155	86	30	5	9	16	39	-
Physicians, medical and osteopathic	832	289	223	37	47	139	320	-
Other related practitioners	48	23	5	-	5	-	20	-
Health technologists and technicians	1 687	990	681	138	141	402	16	-
Religious workers	1 017	883	2	-	2	-	132	-
Social scientists	351	211	140	46	46	48	-	-
Social and recreation workers	3 091	568	2 518	240	431	1 847	5	-
Teachers	3 907	1 080	2 794	138	450	2 206	33	-
College and university	721	344	377	16	192	169	-	-
Elementary and prekindergarten	1 162	206	956	12	112	832	-	-
Secondary	1 548	225	1 323	58	129	1 136	-	-
Engineering and science technicians	2 720	2 424	280	130	43	107	16	-
Draftsmen and surveyors	1 167	1 058	99	33	20	46	10	-
Electrical and electronic engineering technicians	825	723	96	79	-	17	6	-
Technicians, except health, and engineering and science	368	213	144	91	16	37	11	-
Airplane pilots	24	19	5	5	-	-	-	-
Writers, artists, and entertainers	3 821	2 686	338	98	99	141	787	10
Other professional, technical, and kindred workers	7 439	4 486	2 484	379	818	1 287	469	-
Managers and administrators, except farm	**17 164**	**11 627**	**3 441**	**1 063**	**524**	**1 854**	**2 087**	**9**
Buyers, purchasing agents, and sales managers	1 265	1 114	120	79	10	31	31	-
School administrators	413	83	324	-	52	272	6	-
Specified managers and administrators, public administration	1 448	-	1 448	748	236	464	-	-
Other specified managers and administrators	5 667	4 207	649	121	129	399	811	-
Managers and administrators, n.e.c., salaried	7 123	6 223	900	115	97	688	-	-
Manufacturing	1 124	1 119	5	5	-	-	-	-
Wholesale and retail trade	2 166	2 130	36	13	4	19	-	-
Transportation, communications and other public utilities	702	459	243	9	17	217	-	-
All other industries	3 131	2 515	616	88	76	452	-	-
Managers and administrators, n.e.c., self-employed	1 248	-	-	-	-	-	1 239	9
Construction	215	-	-	-	-	-	215	-
Manufacturing	32	-	-	-	-	-	32	-
Wholesale and retail trade	598	-	-	-	-	-	589	9
All other industries	403	-	-	-	-	-	403	-
Sales workers	**14 249**	**12 552**	**554**	**108**	**55**	**391**	**1 116**	**27**
Insurance agents, brokers, and underwriters	1 054	958	36	13	13	10	60	-
Real estate agents and brokers	552	362	19	-	4	15	171	-
Sales representatives, manufacturing industries	879	858	-	-	-	-	21	-
Sales representatives, wholesale trade	1 159	1 100	20	14	-	6	39	-
Sales clerks, retail trade	6 223	5 626	91	22	10	59	479	27
Salesmen, retail trade	1 148	1 036	29	10	-	19	83	-
Salesmen of services and construction	741	479	245	21	28	196	17	-
Other sales workers	2 493	2 133	114	28	-	86	246	-
Clerical and kindred workers	**61 401**	**40 357**	**20 803**	**14 467**	**1 351**	**4 985**	**223**	**18**
Bank tellers and cashiers	2 849	2 301	516	48	111	357	32	-
Bookkeepers and billing clerks	3 744	3 116	607	280	68	259	21	-
Mail handlers and postal clerks	11 746	1 603	10 140	9 976	93	71	-	3
Other clerical and kindred workers	43 062	33 337	9 540	4 163	1 079	4 298	170	15
Craftsmen and kindred workers	**62 714**	**53 710**	**5 784**	**1 426**	**933**	**3 425**	**3 194**	**26**
Apparel craftsmen and upholsterers	1 440	1 265	35	5	14	16	140	-
Bakers	1 237	1 187	40	11	4	25	10	-
Cabinetmakers	429	413	-	-	-	-	16	-
Construction craftsmen	12 557	10 011	1 127	222	186	719	1 419	-
Carpenters	3 041	2 517	146	27	40	79	378	-
Excavating, grading, and road machine operators	547	419	113	5	16	92	15	-
Electricians	2 236	1 742	396	86	46	264	98	-
Masons and tile setters	1 282	1 161	74	35	5	34	47	-
Painters, construction and maintenance, and paperhangers	2 722	1 876	182	39	43	100	664	-
Plasterers and cement finishers	636	608	28	-	8	20	-	-
Plumbers and pipe fitters	1 445	1 117	162	19	28	115	166	-
Other construction craftsmen	648	571	26	11	-	15	51	-
Foremen, n.e.c.	6 601	5 805	753	251	60	442	43	-
Manufacturing	3 250	3 211	28	18	5	5	11	-
Nonmanufacturing industries	3 351	2 594	725	233	55	437	32	-
Linemen and servicemen, telephone and power	3 025	2 852	155	8	68	79	18	-
Locomotive engineers and firemen	180	84	96	6	21	69	-	-
Mechanics and repairmen	16 359	13 963	1 675	404	225	1 046	700	21
Air conditioning, heating, and refrigeration	712	659	29	-	5	24	24	-
Aircraft	588	527	61	52	6	3	-	-
Automobile, including body	8 394	7 453	549	139	46	364	385	7
Radio and television	1 109	828	73	5	12	56	203	5
Other mechanics and repairmen	5 556	4 496	963	208	156	599	88	9
Metal craftsmen, except mechanics	3 955	3 747	208	52	41	115	-	-
Machinists and job and die setters	1 854	1 729	125	23	28	74	-	-
Sheetmetal workers and tinsmiths	347	322	25	5	13	7	-	-
Tool and die makers	294	294	-	-	-	-	-	-
Other metal craftsmen	1 460	1 402	58	24	-	34	-	-
Printing craftsmen	3 320	3 188	118	52	4	62	14	-
Compositors and typesetters	1 493	1 453	40	18	4	18	-	-
Pressmen and plate printers, printing	1 340	1 261	65	34	-	31	14	-
Stationary engineers and power station operators	713	430	278	46	70	162	5	-
Other craftsmen and kindred workers	12 898	10 765	1 299	369	240	690	829	5

Table 173. **Occupation of Employed Persons by Class of Worker, Race, 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	Total employed	Private wage and salary workers	Government workers				Self-employed workers	Unpaid family workers
			Total	Federal	State	Local		
THE STATE—Continued								
Negro—Continued								
Male, 16 years old and over—Continued								
Operatives, except transport	**59 365**	**55 623**	**3 116**	**952**	**508**	**1 656**	**610**	**16**
Assemblers	4 186	4 076	105	36	14	55	5	-
Checkers, examiners, and inspectors; manufacturing	1 737	1 626	111	31	19	61	-	-
Garage workers and gas station attendants	2 036	1 954	45	19	7	19	37	-
Laundry and drycleaning operatives, n.e.c	1 770	1 444	231	66	106	59	95	-
Meat cutters and butchers	1 528	1 464	56	28	-	28	8	-
Mine operatives, n.e.c	59	59	-	-	-	-	-	-
Packers and wrappers, except produce	3 687	3 566	105	42	22	41	16	-
Painters, manufactured articles	831	795	25	14	5	6	11	-
Precision machine operatives	1 439	1 374	48	8	5	35	11	6
Sawyers	220	201	19	5	-	14	-	-
Stationary firemen	1 050	457	593	65	60	468	-	-
Textile operatives	1 001	975	20	5	-	15	6	-
Welders and flamecutters	2 368	2 231	132	59	26	47	5	-
Other metalworking operatives	3 011	2 902	99	43	3	53	10	-
Other specified operatives	18 443	17 416	705	233	139	333	312	10
Miscellaneous and not specified operatives	15 999	15 083	822	298	102	422	94	-
Occupation:								
Machine operatives, miscellaneous specified	4 975	4 822	145	54	9	82	8	-
Machine operatives, not specified	5 285	5 021	243	88	40	115	21	-
Miscellaneous operatives	3 953	3 569	329	106	47	176	55	-
Not specified operatives	1 786	1 671	105	50	6	49	10	-
Industry:								
Manufacturing	13 049	12 699	317	122	12	183	33	-
Durable goods	7 632	7 402	210	104	4	102	20	-
Wood products, including furniture	289	276	13	5	-	8	-	-
Primary metal industries	1 450	1 426	24	10	-	14	-	-
Fabricated metal industries	1 138	1 102	36	17	-	19	-	-
Machinery, including electrical	1 649	1 589	55	35	4	16	5	-
Motor vehicles and equipment	646	633	13	9	-	4	-	-
Transportation equipment, except motor vehicles	201	172	23	10	-	13	6	-
Other durable goods	2 259	2 204	46	18	-	28	9	-
Nondurable goods	4 996	4 890	93	18	8	67	13	-
Food and kindred products	935	899	28	7	-	21	8	-
Apparel and other fabricated textile products	520	510	10	-	-	10	-	-
Paper and allied products	1 182	1 182	-	-	-	-	-	-
Chemicals and allied products	728	710	18	11	-	7	-	-
Other nondurable goods	1 631	1 589	37	-	8	29	5	-
Not specified manufacturing industries	421	407	14	-	-	14	-	-
Nonmanufacturing industries	2 950	2 384	505	176	90	239	61	-
Transportation, communications, and other public utilities	605	496	105	-	25	80	4	-
Wholesale and retail trade	1 113	1 070	32	19	-	13	11	-
All other industries	1 232	818	368	157	65	146	46	-
Transport equipment operatives	**42 968**	**31 487**	**9 982**	**1 206**	**713**	**8 063**	**1 493**	**6**
Bus drivers	5 178	1 898	3 252	15	230	3 007	28	-
Taxicab drivers and chauffeurs	7 042	5 706	536	142	86	308	794	6
Truck drivers and deliverymen	19 097	16 740	1 974	766	123	1 085	383	-
Other transport equipment operatives	11 651	7 143	4 220	283	274	3 663	288	-
Laborers, except farm	**37 278**	**28 323**	**8 138**	**3 177**	**667**	**4 294**	**803**	**14**
Construction laborers	5 835	5 334	490	16	78	396	11	-
Freight, stock, and material handlers	13 749	9 845	3 741	2 200	124	1 417	158	5
Other specified laborers	11 516	8 410	2 607	830	300	1 477	490	9
Miscellaneous and not specified laborers	6 178	4 734	1 300	131	165	1 004	144	-
Occupation:								
Miscellaneous laborers	2 467	1 586	836	33	96	707	45	-
Not specified laborers	3 711	3 148	464	98	69	297	99	-
Industry:								
Manufacturing	2 283	2 221	42	17	14	11	20	-
Durable goods	1 723	1 673	42	17	14	11	8	-
Wood products, including furniture	67	67	-	-	-	-	-	-
Metal industries	935	924	11	-	-	11	-	-
Machinery, including electrical	224	224	-	-	-	-	-	-
Transportation equipment	267	252	15	7	8	-	-	-
Other durable goods	230	206	16	10	6	-	8	-
Nondurable goods	515	503	-	-	-	-	12	-
Food and kindred products	136	136	-	-	-	-	-	-
Not specified manufacturing industries	45	45	-	-	-	-	-	-
Nonmanufacturing industries	3 895	2 513	1 258	114	151	993	124	-
Railroads and railway express service	495	381	114	6	54	54	-	-
Transportation, except railroads	873	299	568	5	45	518	6	-
Communications, and utilities and sanitary services	405	184	215	-	5	210	6	-
Wholesale and retail trade	704	629	15	8	7	-	60	-
All other industries	1 418	1 020	346	95	40	211	52	-
Farmers and farm managers	**284**	**17**	**12**	**7**	-	**5**	**255**	-
Farm laborers and farm foremen	**1 552**	**1 516**	**10**	**4**	**6**	-	**12**	**14**
Paid farm laborers and farm foremen	1 538	1 516	10	4	6	-	12	-
Unpaid family workers	14	-	-	-	-	-	-	14
Service workers, except private household[1]	**76 371**	**51 850**	**22 726**	**2 966**	**4 338**	**15 422**	**1 751**	**44**
Cleaning service workers	27 920	20 537	6 899	1 120	1 149	4 630	465	19
Food service workers	12 543	10 701	1 600	418	463	719	223	19
Cooks, except private household	6 183	5 036	1 029	255	283	491	112	6
Busboys and dishwashers	1 563	1 451	112	13	31	68	-	-
Health service workers	5 865	2 504	3 328	542	1 490	1 296	33	-
Personal service workers	6 939	5 097	1 163	209	207	747	673	6
Protective service workers	12 658	4 663	7 956	445	798	6 713	39	-
Firemen, fire protection	623	5	618	-	10	608	-	-
Guards and watchmen	6 949	4 328	2 593	369	625	1 599	28	-
Policemen and detectives	4 704	303	4 390	68	131	4 191	11	-
Private household workers	**1 441**	**1 418**	**6**	-	-	**6**	**17**	-

[1]Includes allocated cases not shown separately.

Table 173. **Occupation of Employed Persons by Class of Worker, Race, 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	Total employed	Private wage and salary workers	Government workers				Self-employed workers	Unpaid family workers
			Total	Federal	State	Local		
THE STATE—Continued								
Negro—Continued								
Female, 16 years old and over	**351 486**	**257 261**	**88 421**	**17 657**	**17 032**	**53 732**	**5 384**	**420**
Professional, technical, and kindred workers	**42 161**	**19 828**	**21 412**	**1 835**	**3 175**	**16 402**	**916**	**5**
Accountants	1 248	876	366	175	40	151	6	-
Computer specialists	496	456	40	9	10	21	-	-
Librarians	431	102	329	10	44	275	-	-
Mathematical specialists	73	63	10	5	-	5	-	-
Life and physical scientists	226	134	92	12	13	67	-	-
Registered nurses, dietitians, and therapists	14 394	9 170	4 669	404	1 012	3 253	555	-
Dietitians	1 132	655	477	67	59	351	-	-
Registered nurses	12 948	8 318	4 075	332	883	2 860	555	-
Health technologists and technicians	2 387	1 665	722	98	184	440	-	-
Social scientists	148	66	76	12	41	23	6	-
Social and recreation workers	4 746	1 020	3 716	307	388	3 021	10	-
Teachers: College and university	508	201	307	20	97	190	-	-
Elementary and prekindergarten	6 214	979	5 228	240	433	4 555	7	-
Secondary	1 978	207	1 771	69	108	1 594	-	-
Other teachers	760	321	390	94	106	190	49	-
Engineering and science technicians	447	348	99	28	19	52	-	-
Technicians, except health, and engineering and science	56	38	18	5	-	13	-	-
Writers, artists, and entertainers	1 174	962	93	24	5	64	119	-
Actors and dancers	121	109	-	-	-	-	12	-
Authors, editors, and reporters	260	219	14	8	-	6	27	-
Other professional, technical, and kindred workers	6 875	3 220	3 486	323	675	2 488	164	5
Managers and administrators, except farm	**6 154**	**3 509**	**2 082**	**375**	**274**	**1 433**	**502**	**61**
Buyers, purchasing agents, and sales managers	659	588	52	26	-	26	19	-
Restaurant, cafeteria, and bar managers	490	243	123	6	-	117	102	22
School administrators	468	67	381	19	63	299	20	-
Other specified managers and administrators	2 175	1 061	992	238	153	601	108	14
Managers and administrators, n.e.c., salaried	2 084	1 550	534	86	58	390	-	-
Wholesale and retail trade	389	384	5	-	-	5	-	-
Managers and administrators, n.e.c., self-employed	278	-	-	-	-	-	253	25
Wholesale and retail trade	176	-	-	-	-	-	162	14
Sales workers	**9 928**	**8 936**	**542**	**106**	**91**	**345**	**413**	**37**
Demonstrators, hucksters, and peddlers	201	187	-	-	-	-	14	-
Insurance, real estate agents, and brokers	372	259	48	11	19	18	65	-
Sales clerks, retail trade	6 105	5 695	133	51	14	68	257	20
Salesmen, retail trade	233	200	5	5	-	-	23	5
Other sales workers	3 017	2 595	356	39	58	259	54	12
Clerical and kindred workers	**120 319**	**83 575**	**36 347**	**11 727**	**5 095**	**19 525**	**277**	**120**
Bank tellers	2 292	2 058	234	124	34	76	-	-
Bookkeepers	6 575	5 577	932	243	74	615	39	27
Cashiers	4 210	3 774	406	45	81	280	21	9
Counter clerks, except food	1 226	1 192	24	5	15	4	-	10
Enumerators and interviewers	417	72	345	253	5	87	-	-
File clerks	8 212	5 935	2 277	460	534	1 283	-	-
Office machine operators	8 270	7 170	1 086	419	221	446	14	-
Bookkeeping and billing machine operators	797	705	92	52	5	35	-	-
Keypunch operators	6 064	5 232	823	297	181	345	9	-
Payroll and timekeeping clerks	986	499	487	97	39	351	-	-
Receptionists	2 669	1 888	771	76	151	544	5	5
Secretaries	15 093	11 670	3 347	913	604	1 830	40	36
Stenographers	1 116	359	757	114	240	403	-	-
Telephone operators	9 134	7 990	1 140	190	227	723	-	4
Typists	14 282	9 648	4 609	1 065	862	2 682	25	-
Other clerical and kindred workers	45 837	25 743	19 932	7 723	2 008	10 201	133	29
Craftsmen and kindred workers	**5 174**	**4 722**	**387**	**87**	**87**	**213**	**55**	**10**
Foremen, n.e.c.	1 514	1 328	172	32	52	88	4	10
Operatives, except transport	**48 490**	**46 233**	**1 726**	**497**	**422**	**807**	**484**	**47**
Assemblers	4 085	3 985	96	29	28	39	4	-
Bottling and canning operatives	98	95	3	3	-	-	-	-
Checkers, examiners, and inspectors, manufacturing	1 899	1 849	46	12	11	23	4	-
Dressmakers and seamstresses, except factory	937	669	47	11	10	26	221	-
Laundry and drycleaning operatives, including ironers	6 315	5 840	434	79	133	222	36	5
Graders and sorters, manufacturing	148	148	-	-	-	-	-	-
Packers and wrappers, except produce	4 177	4 120	50	14	17	19	7	-
Sewers and stitchers	10 154	9 876	191	61	29	101	79	8
Textile operatives	650	635	9	-	-	9	6	-
Other specified operatives	10 727	10 070	532	181	126	225	91	34
Miscellaneous and not specified operatives	9 300	8 946	318	107	68	143	36	-
Manufacturing	8 148	7 923	193	82	29	82	32	-
Durable goods	3 551	3 441	106	51	14	41	4	-
Machinery, including electrical	1 205	1 164	41	29	7	5	-	-
Other durable goods	2 346	2 277	65	22	7	36	4	-
Nondurable goods, including not specified manufacturing	4 597	4 482	87	31	15	41	28	-
Food and kindred products	348	339	9	-	-	9	-	-
Apparel and other fabricated textile products	1 446	1 406	26	15	5	6	14	-
Nonmanufacturing industries	1 152	1 023	125	25	39	61	4	-
Transport equipment operatives	**832**	**574**	**212**	**8**	**21**	**183**	**46**	**-**
Laborers, except farm	**2 882**	**2 227**	**645**	**380**	**56**	**209**	**4**	**6**
Farmers and farm managers	**278**	**48**	**4**	**-**	**4**	**-**	**226**	**-**
Farm laborers and farm foremen	**614**	**522**	**29**	**7**	**-**	**22**	**12**	**51**
Paid farm laborers and farm foremen	563	522	29	7	-	22	12	-
Unpaid family workers	51	-	-	-	-	-	-	51
Service workers, except private household[1]	**76 176**	**48 751**	**24 954**	**2 607**	**7 801**	**14 546**	**2 392**	**79**
Cleaning service workers	13 970	11 488	2 332	371	490	1 471	144	6
Chambermaids and maids	4 895	4 572	308	38	65	205	15	-
Food service workers	10 222	7 358	2 620	287	732	1 601	184	60
Cooks, except private household	2 343	1 700	567	69	70	428	49	27
Waiters and food counter workers	4 845	4 135	554	55	247	252	129	27
Health service workers	31 463	18 111	13 061	1 223	5 094	6 744	291	-
Nursing aides, orderlies, and attendants	22 515	12 881	9 534	847	4 411	4 276	100	-
Practical nurses	5 768	3 269	2 318	193	479	1 646	181	-
Personal service workers	8 827	4 604	2 824	440	466	1 918	1 391	8
Hairdressers and cosmetologists	3 041	1 778	76	14	58	4	1 179	8
Private household workers	**38 478**	**38 336**	**81**	**28**	**6**	**47**	**57**	**4**
Private household workers, living in	5 162	5 157	-	-	-	-	5	-
Private household workers, living out	33 316	33 179	81	28	6	47	52	4

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

Table 173. **Occupation of Employed Persons by Class of Worker, Race, 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	Total employed	Private wage and salary workers	Government workers				Self-employed workers	Unpaid family workers
			Total	Federal	State	Local		
THE STATE—Continued								
Persons of Puerto Rican Birth or Parentage								
Male, 16 years old and over	158 450	134 675	18 914	6 272	2 298	10 344	4 775	86
Professional, technical, and kindred workers	6 360	4 200	1 757	371	277	1 109	403	-
Accountants	404	348	44	23	11	10	12	-
Architects	5	5	-	-	-	-	-	-
Computer specialists	194	181	13	8	-	5	-	-
Engineers	316	218	82	33	7	42	16	-
Aeronautical and astronautical	30	22	8	8	-	-	-	-
Civil	42	15	27	7	7	13	-	-
Electrical and electronic	94	62	25	11	-	14	7	-
Mechanical	33	26	7	-	-	7	-	-
Other engineers	117	93	15	7	-	8	9	-
Lawyers and judges	106	48	14	9	-	5	44	-
Life and physical scientists	78	65	13	5	-	8	-	-
Chemists	65	65	-	-	-	-	-	-
Physicians, dentists, and related practitioners	162	87	49	18	6	25	26	-
Dentists	14	-	8	-	-	8	6	-
Pharmacists	52	52	-	-	-	-	-	-
Physicians, medical and osteopathic	89	35	41	18	6	17	13	-
Other related practitioners	7	-	-	-	-	-	7	-
Health technologists and technicians	434	251	183	51	20	112	-	-
Religious workers	135	107	-	-	-	-	28	-
Social scientists	59	16	37	18	-	19	6	-
Social and recreation workers	614	169	445	49	64	332	-	-
Teachers	588	192	390	23	44	323	6	-
College and university	63	42	21	-	7	14	-	-
Elementary and prekindergarten	144	21	123	7	11	105	-	-
Secondary	245	40	205	-	26	179	-	-
Engineering and science technicians	747	705	42	26	4	12	-	-
Draftsmen and surveyors	318	314	4	-	4	-	-	-
Electrical and electronic engineering technicians	227	209	18	18	-	-	-	-
Technicians, except health, and engineering and science	125	87	38	33	-	5	-	-
Airplane pilots	-	-	-	-	-	-	-	-
Writers, artists, and entertainers	1 207	937	70	24	20	26	200	-
Other professional, technical, and kindred workers	1 186	784	337	51	101	185	65	-
Managers and administrators, except farm	7 144	5 277	517	149	72	296	1 334	16
Buyers, purchasing agents, and sales managers	535	490	12	7	5	-	33	-
School administrators	67	20	37	-	-	37	10	-
Specified managers and administrators, public administration	221	-	221	100	10	111	-	-
Other specified managers and administrators	2 355	2 010	103	28	13	62	236	6
Managers and administrators, n.e.c., salaried	2 901	2 757	144	14	44	86	-	-
Manufacturing	449	449	-	-	-	-	-	-
Wholesale and retail trade	1 255	1 238	17	6	6	5	-	-
Transportation, communications and other public utilities	137	114	23	-	16	7	-	-
All other industries	1 060	956	104	8	22	74	-	-
Managers and administrators, n.e.c., self-employed	1 065	-	-	-	-	-	1 055	10
Construction	6	-	-	-	-	-	6	-
Manufacturing	45	-	-	-	-	-	45	-
Wholesale and retail trade	906	-	-	-	-	-	896	10
All other industries	108	-	-	-	-	-	108	-
Sales workers	7 703	6 662	152	29	34	89	870	19
Insurance agents, brokers, and underwriters	480	473	-	-	-	-	7	-
Real estate agents and brokers	106	100	6	-	-	6	-	-
Sales representatives, manufacturing industries	426	394	-	-	-	-	32	-
Sales representatives, wholesale trade	625	580	7	-	-	7	38	-
Sales clerks, retail trade	4 434	3 750	64	21	11	32	601	19
Salesmen, retail trade	661	586	8	-	8	-	67	-
Salesmen of services and construction	125	77	44	8	6	30	4	-
Other sales workers	846	702	23	-	9	14	121	-
Clerical and kindred workers	21 220	16 387	4 727	3 353	273	1 101	100	6
Bank tellers and cashiers	1 185	1 109	64	38	-	26	6	6
Bookkeepers and billing clerks	1 057	1 030	21	-	7	14	6	-
Mail handlers and postal clerks	3 346	761	2 585	2 570	3	12	-	-
Other clerical and kindred workers	15 632	13 487	2 057	745	263	1 049	88	-
Craftsmen and kindred workers	24 535	22 294	1 496	352	266	878	745	-
Apparel craftsmen and upholsterers	1 092	1 066	-	-	-	-	26	-
Bakers	577	554	16	-	-	16	7	-
Cabinetmakers	384	369	6	-	-	6	9	-
Construction craftsmen	4 065	3 451	330	91	84	155	284	-
Carpenters	961	844	49	9	12	28	68	-
Excavating, grading, and road machine operators	45	38	7	-	-	7	-	-
Electricians	774	607	131	37	19	75	36	-
Masons and tile setters	145	131	14	-	9	5	-	-
Painters, construction and maintenance, and paperhangers	1 308	1 092	93	45	36	12	123	-
Plasterers and cement finishers	138	117	8	-	-	8	13	-
Plumbers and pipe fitters	552	494	21	-	8	13	37	-
Other construction craftsmen	142	128	7	-	-	7	7	-
Foremen, n.e.c	3 778	3 590	173	46	17	110	15	-
Manufacturing	2 658	2 633	25	-	-	25	-	-
Nonmanufacturing industries	1 120	957	148	46	17	85	15	-
Linemen and servicemen, telephone and power	799	745	54	5	11	38	-	-
Locomotive engineers and firemen	-	-	-	-	-	-	-	-
Mechanics and repairmen	6 357	5 616	499	101	84	314	242	-
Air conditioning, heating, and refrigeration	500	472	28	6	5	17	-	-
Aircraft	321	309	12	6	-	6	-	-
Automobile, including body	2 678	2 380	151	45	10	96	147	-
Radio and television	480	383	23	7	-	16	74	-
Other mechanics and repairmen	2 378	2 072	285	37	69	179	21	-
Metal craftsmen, except mechanics	1 488	1 466	22	9	-	13	-	-
Machinists and job and die setters	806	806	-	-	-	-	-	-
Sheetmetal workers and tinsmiths	110	101	9	9	-	-	-	-
Tool and die makers	258	252	6	-	-	6	-	-
Other metal craftsmen	314	307	7	-	-	7	-	-
Printing craftsmen	2 083	1 999	84	34	15	35	-	-
Compositors and typesetters	892	858	34	22	-	12	-	-
Pressmen and plate printers, printing	821	778	43	12	8	23	-	-
Stationary engineers and power station operators	138	116	22	-	16	6	-	-
Other craftsmen and kindred workers	3 774	3 322	290	66	39	185	162	-

Table 173. **Occupation of Employed Persons by Class of Worker, Race, 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	Total employed	Private wage and salary workers	Government workers				Self-employed workers	Unpaid family workers
			Total	Federal	State	Local		
THE STATE—Continued								
Persons of Puerto Rican Birth or Parentage—Continued								
Male, 16 years old and over—Continued								
Operatives, except transport	**35 985**	**34 453**	**1 219**	**429**	**165**	**625**	**301**	**12**
Assemblers	2 188	2 153	35	27	-	8	-	-
Checkers, examiners, and inspectors, manufacturing	527	510	17	6	-	11	-	-
Garage workers and gas station attendants	597	563	23	5	-	18	11	-
Laundry and drycleaning operatives, n.e.c	842	675	145	6	70	69	22	-
Meat cutters and butchers	789	745	23	10	9	4	21	-
Mine operatives, n.e.c	20	20	-	-	-	-	-	-
Packers and wrappers, except produce	3 615	3 520	69	23	7	39	26	-
Painters, manufactured articles	802	768	26	19	-	7	8	-
Precision machine operatives	494	470	18	-	-	18	6	-
Sawyers	184	184	-	-	-	-	-	-
Stationary firemen	278	141	126	12	5	109	11	-
Textile operatives	977	946	27	5	-	22	4	-
Welders and flamecutters	907	863	44	21	-	23	-	-
Other metalworking operatives	2 122	2 100	22	-	-	22	-	-
Other specified operatives	8 681	8 192	337	161	40	136	140	12
Miscellaneous and not specified operatives	12 962	12 603	307	134	34	139	52	-
Occupation:								
Machine operatives, miscellaneous specified	3 795	3 720	68	44	8	16	7	-
Machine operatives, not specified	4 497	4 371	108	50	14	44	18	-
Miscellaneous operatives	2 953	2 843	95	31	7	57	15	-
Not specified operatives	1 717	1 669	36	9	5	22	12	-
Industry:								
Manufacturing	11 566	11 339	175	93	18	64	52	-
Durable goods	5 878	5 787	78	51	-	27	13	-
Wood products, including furniture	558	558	-	-	-	-	-	-
Primary metal industries	564	533	25	8	-	17	6	-
Fabricated metal industries	884	877	7	7	-	-	-	-
Machinery, including electrical	1 310	1 296	14	14	-	-	-	-
Motor vehicles and equipment	103	103	-	-	-	-	-	-
Transportation equipment, except motor vehicles	131	125	6	6	-	-	-	-
Other durable goods	2 328	2 295	26	16	-	10	7	-
Nondurable goods	5 130	5 011	80	31	12	37	39	-
Food and kindred products	669	633	36	15	4	17	-	-
Apparel and other fabricated textile products	818	809	-	-	-	-	9	-
Paper and allied products	1 426	1 410	16	16	-	-	-	-
Chemicals and allied products	362	357	-	-	-	-	5	-
Other nondurable goods	1 855	1 802	28	-	8	20	25	-
Not specified manufacturing industries	558	541	17	11	6	-	-	-
Nonmanufacturing industries	1 396	1 264	132	41	16	75	-	-
Transportation, communications, and other public utilities	221	188	33	9	4	20	-	-
Wholesale and retail trade	540	535	5	-	5	-	-	-
All other industries	635	541	94	32	7	55	-	-
Transport equipment operatives	**11 727**	**10 139**	**1 140**	**130**	**110**	**900**	**448**	-
Bus drivers	739	270	469	-	37	432	-	-
Taxicab drivers and chauffeurs	3 054	2 606	148	15	26	107	300	-
Truck drivers and deliverymen	6 312	5 898	276	91	33	152	138	-
Other transport equipment operatives	1 622	1 365	247	24	14	209	10	-
Laborers, except farm	**9 868**	**8 221**	**1 556**	**648**	**100**	**808**	**91**	-
Construction laborers	857	796	61	5	8	48	-	-
Freight, stock, and material handlers	4 436	3 631	771	564	28	179	34	-
Other specified laborers	2 169	1 699	413	39	27	347	57	-
Miscellaneous and not specified laborers	2 406	2 095	311	40	37	234	-	-
Occupation:								
Miscellaneous laborers	391	241	150	8	20	122	-	-
Not specified laborers	2 015	1 854	161	32	17	112	-	-
Industry:								
Manufacturing	958	948	10	10	-	-	-	-
Durable goods	473	473	-	-	-	-	-	-
Wood products, including furniture	21	21	-	-	-	-	-	-
Metal industries	164	164	-	-	-	-	-	-
Machinery, including electrical	33	33	-	-	-	-	-	-
Transportation equipment	32	32	-	-	-	-	-	-
Other durable goods	223	223	-	-	-	-	-	-
Nondurable goods	421	411	10	10	-	-	-	-
Food and kindred products	113	113	-	-	-	-	-	-
Not specified manufacturing industries	64	64	-	-	-	-	-	-
Nonmanufacturing industries	1 448	1 147	301	30	37	234	-	-
Railroads and railway express service	85	70	15	-	9	6	-	-
Transportation, except railroads	145	78	67	-	6	61	-	-
Communications, and utilities and sanitary services	99	52	47	-	-	47	-	-
Wholesale and retail trade	317	317	-	-	-	-	-	-
All other industries	802	630	172	30	22	120	-	-
Farmers and farm managers	**34**	**10**	-	-	-	-	**24**	-
Farm laborers and farm foremen	**486**	**454**	**7**	-	-	**7**	**25**	-
Paid farm laborers and farm foremen	486	454	7	-	-	7	25	-
Unpaid family workers	-	-	-	-	-	-	-	-
Service workers, except private household[1]	**33 194**	**26 384**	**6 343**	**811**	**1 001**	**4 531**	**434**	**33**
Cleaning service workers	11 910	8 978	2 869	369	364	2 136	37	26
Food service workers	11 756	10 906	723	164	196	363	127	-
Cooks, except private household	4 301	3 912	325	62	98	165	64	-
Busboys and dishwashers	1 983	1 914	57	12	10	35	12	-
Health service workers	1 336	604	732	43	272	417	-	-
Personal service workers	3 913	3 302	358	68	39	251	253	-
Protective service workers	2 827	1 340	1 480	120	114	1 246	-	7
Firemen, fire protection	77	-	77	-	-	77	-	-
Guards and watchmen	1 628	1 204	417	100	102	215	-	7
Policemen and detectives	1 069	122	947	20	12	915	-	-
Private household workers	**194**	**194**	-	-	-	-	-	-

[1]Includes allocated cases not shown separately.

Table 173. **Occupation of Employed Persons by Class of Worker, Race, 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	Total employed	Private wage and salary workers	Government workers				Self-employed workers	Unpaid family workers
			Total	Federal	State	Local		
THE STATE—Continued								
Persons of Puerto Rican Birth or Parentage—Continued								
Female, 16 years old and over	**74 640**	**63 050**	**10 352**	**2 098**	**1 873**	**6 381**	**984**	**254**
Professional, technical, and kindred workers	**4 968**	**2 665**	**2 199**	**287**	**352**	**1 560**	**98**	**6**
Accountants	169	127	42	29	8	5	–	–
Computer specialists	17	17	–	–	–	–	–	–
Librarians	15	7	8	–	–	8	–	–
Mathematical specialists	8	–	8	–	–	8	–	–
Life and physical scientists	33	21	12	6	–	6	–	–
Registered nurses, dietitians, and therapists	1 091	727	364	52	94	218	–	–
Dietitians	110	77	33	4	14	15	–	–
Registered nurses	927	615	312	48	73	191	–	–
Health technologists and technicians	416	293	116	8	22	86	7	–
Social scientists	57	20	37	9	14	14	–	–
Social and recreation workers	773	270	503	76	70	357	–	–
Teachers: College and university	63	7	56	–	–	56	–	–
Elementary and prekindergarten	637	132	505	19	46	440	–	–
Secondary	229	45	184	–	19	165	–	–
Other teachers	78	54	17	11	–	6	7	–
Engineering and science technicians	41	34	7	–	7	–	–	–
Technicians, except health, and engineering and science	–	–	–	–	–	–	–	–
Writers, artists, and entertainers	491	403	67	10	14	43	21	–
Actors and dancers	76	67	9	–	–	9	–	–
Authors, editors, and reporters	75	65	10	10	–	–	–	–
Other professional, technical, and kindred workers	850	508	273	67	58	148	63	6
Managers and administrators, except farm	**1 247**	**893**	**195**	**18**	**15**	**162**	**140**	**19**
Buyers, purchasing agents, and sales managers	154	147	–	–	–	–	7	–
Restaurant, cafeteria, and bar managers	49	49	–	–	–	–	–	–
School administrators	45	–	45	–	–	45	–	–
Other specified managers and administrators	325	240	68	–	–	68	11	6
Managers and administrators, n.e.c., salaried	539	457	82	18	15	49	–	–
Wholesale and retail trade	146	146	–	–	–	–	–	–
Managers and administrators, n.e.c., self-employed	135	–	–	–	–	–	122	13
Wholesale and retail trade	121	–	–	–	–	–	108	13
Sales workers	**3 157**	**2 833**	**92**	**13**	**7**	**72**	**138**	**94**
Demonstrators, hucksters, and peddlers	70	70	–	–	–	–	–	–
Insurance, real estate agents, and brokers	55	34	16	–	–	16	5	–
Sales clerks, retail trade	2 207	1 957	47	6	–	41	116	87
Salesmen, retail trade	96	96	–	–	–	–	–	–
Other sales workers	729	676	29	7	7	15	17	7
Clerical and kindred workers	**25 147**	**20 104**	**4 892**	**1 374**	**712**	**2 806**	**97**	**54**
Bank tellers	668	608	60	18	12	30	–	–
Bookkeepers	1 856	1 738	102	65	19	18	9	7
Cashiers	1 166	1 117	11	–	–	11	28	10
Counter clerks, except food	241	229	5	5	–	–	7	–
Enumerators and interviewers	120	36	84	51	–	33	–	–
File clerks	1 645	1 391	254	56	54	144	–	–
Office machine operators	1 258	1 166	92	42	4	46	–	–
Bookkeeping and billing machine operators	109	105	4	–	–	4	–	–
Keypunch operators	907	840	67	24	4	39	–	–
Payroll and timekeeping clerks	160	147	13	8	–	5	–	–
Receptionists	804	702	95	4	19	72	–	7
Secretaries	5 285	4 412	853	185	172	496	5	15
Stenographers	239	81	158	38	25	95	–	–
Telephone operators	854	744	110	16	–	94	–	–
Typists	3 660	2 887	763	185	157	421	–	10
Other clerical and kindred workers	7 191	4 846	2 292	701	250	1 341	48	5
Craftsmen and kindred workers	**1 809**	**1 739**	**61**	**18**	**6**	**37**	**9**	**–**
Foremen, n.e.c	686	673	13	–	6	7	–	–
Operatives, except transport	**27 604**	**26 988**	**461**	**115**	**67**	**279**	**111**	**44**
Assemblers	1 263	1 241	17	12	–	5	5	–
Bottling and canning operatives	16	16	–	–	–	–	–	–
Checkers, examiners, and inspectors; manufacturing	558	544	4	–	–	4	–	10
Dressmakers and seamstresses, except factory	292	221	7	–	7	–	64	–
Laundry and drycleaning operatives, including ironers	1 260	1 165	83	–	33	50	6	6
Graders and sorters, manufacturing	94	94	–	–	–	–	–	–
Packers and wrappers, except produce	2 361	2 325	36	12	–	24	–	–
Sewers and stitchers	11 568	11 438	115	28	13	74	–	15
Textile operatives	587	587	–	–	–	–	–	–
Other specified operatives	3 125	3 013	77	15	14	48	28	7
Miscellaneous and not specified operatives	6 480	6 344	122	48	–	74	8	6
Manufacturing	6 097	5 985	98	40	–	58	8	6
Durable goods	2 347	2 291	48	7	–	41	8	–
Machinery, including electrical	601	601	–	–	–	–	–	–
Other durable goods	1 746	1 690	48	7	–	41	8	–
Nondurable goods, including not specified manufacturing	3 750	3 694	50	33	–	17	–	6
Food and kindred products	84	84	–	–	–	–	–	–
Apparel and other fabricated textile products	1 760	1 760	–	–	–	–	–	–
Nonmanufacturing industries	383	359	24	8	–	16	–	–
Transport equipment operatives	**207**	**174**	**28**	**17**	**–**	**11**	**5**	**–**
Laborers, except farm	**769**	**672**	**84**	**50**	**6**	**28**	**6**	**7**
Farmers and farm managers	**24**	**5**	**–**	**–**	**–**	**–**	**19**	**–**
Farm laborers and farm foremen	**53**	**47**	**–**	**–**	**–**	**–**	**–**	**6**
Paid farm laborers and farm foremen	47	47	–	–	–	–	–	–
Unpaid family workers	6	–	–	–	–	–	–	6
Service workers, except private household[1]	**9 044**	**6 319**	**2 340**	**206**	**708**	**1 426**	**361**	**24**
Cleaning service workers	1 509	1 199	290	23	70	197	20	–
Chambermaids and maids	349	302	47	–	30	17	–	–
Food service workers	1 928	1 513	360	20	122	218	49	6
Cooks, except private household	311	227	49	7	13	29	35	–
Waiters and food counter workers	1 017	920	85	13	38	34	6	6
Health service workers	2 482	1 599	879	76	390	413	4	–
Nursing aides, orderlies, and attendants	1 397	735	658	48	312	298	4	–
Practical nurses	461	354	107	7	23	77	–	–
Personal service workers	2 089	1 287	520	79	98	343	270	12
Hairdressers and cosmetologists	1 114	882	19	–	8	11	213	–
Private household workers	**611**	**611**	**–**	**–**	**–**	**–**	**–**	**–**
Private household workers, living in	88	88	–	–	–	–	–	–
Private household workers, living out	523	523	–	–	–	–	–	–

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

Table 173. **Occupation of Employed Persons by Class of Worker, Race, 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	Total employed	Private wage and salary workers	Government workers				Self-employed workers	Unpaid family workers
			Total	Federal	State	Local		
ALBANY–SCHENECTADY–TROY SMSA								
Total								
Male, 16 years old and over	**174 608**	**125 717**	**34 890**	**7 259**	**16 616**	**11 015**	**13 686**	**315**
Professional, technical, and kindred workers	**32 570**	**18 498**	**11 165**	**1 340**	**6 631**	**3 194**	**2 867**	**40**
Accountants	2 643	1 555	931	148	747	36	157	-
Architects	265	41	136	-	136	-	88	-
Computer specialists	1 025	640	385	36	330	19	-	-
Engineers	6 077	4 404	1 569	366	1 145	58	104	-
Aeronautical and astronautical	12	6	6	6	-	-	-	-
Civil	1 313	365	923	28	851	44	25	-
Electrical and electronic	1 486	1 417	65	30	35	-	4	-
Mechanical	944	756	183	145	38	-	5	-
Other engineers	2 322	1 860	392	157	221	14	70	-
Lawyers and judges	1 401	190	504	23	421	60	707	-
Life and physical scientists	1 246	941	288	76	204	8	17	-
Chemists	714	606	108	20	84	4	-	-
Physicians, dentists, and related practitioners	2 139	821	205	65	111	29	1 113	-
Dentists	374	10	9	-	9	-	355	-
Pharmacists	463	357	10	-	4	6	96	-
Physicians, medical and osteopathic	1 120	400	162	55	84	23	558	-
Other related practitioners	182	54	24	10	14	-	104	-
Health technologists and technicians	503	354	110	49	47	14	39	-
Religious workers	755	667	4	4	-	-	84	-
Social scientists	563	365	193	6	159	28	5	-
Social and recreation workers	448	126	322	25	111	186	-	-
Teachers	5 056	1 643	3 351	24	964	2 363	62	-
College and university	1 860	1 018	842	12	698	132	-	-
Elementary and prekindergarten	770	186	584	-	80	504	-	-
Secondary	2 236	385	1 851	-	146	1 705	-	-
Engineering and science technicians	3 718	2 989	686	180	473	33	43	-
Draftsmen and surveyors	1 547	1 173	347	55	278	14	27	-
Electrical and electronic engineering technicians	503	430	73	30	38	5	-	-
Technicians, except health, and engineering and science	295	129	166	80	73	13	-	-
Airplane pilots	38	14	24	-	24	-	-	-
Writers, artists, and entertainers	2 119	1 382	454	48	365	41	267	16
Other professional, technical, and kindred workers	4 317	2 251	1 861	210	1 345	306	181	24
Managers and administrators, except farm	**18 951**	**12 698**	**3 594**	**487**	**2 098**	**1 009**	**2 646**	**13**
Buyers, purchasing agents, and sales managers	2 378	2 023	253	32	186	35	97	5
School administrators	645	148	487	-	152	335	10	-
Specified managers and administrators, public administration	1 778	-	1 778	373	1 123	282	-	-
Other specified managers and administrators	3 545	2 641	302	44	162	96	602	-
Managers and administrators, n.e.c., salaried	8 660	7 886	774	38	475	261	-	-
Manufacturing	1 931	1 905	26	20	6	-	-	-
Wholesale and retail trade	2 771	2 741	30	18	7	5	-	-
Transportation, communications and other public utilities	797	738	59	-	18	41	-	-
All other industries	3 161	2 502	659	-	444	215	-	-
Managers and administrators, n.e.c., self-employed	1 945	-	-	-	-	-	1 937	8
Construction	315	-	-	-	-	-	315	-
Manufacturing	92	-	-	-	-	-	88	4
Wholesale and retail trade	1 121	-	-	-	-	-	1 117	4
All other industries	417	-	-	-	-	-	417	-
Sales workers	**11 427**	**9 852**	**125**	**25**	**60**	**40**	**1 415**	**35**
Insurance agents, brokers, and underwriters	1 627	1 387	14	-	8	6	226	-
Real estate agents and brokers	339	228	6	-	-	6	105	-
Sales representatives, manufacturing industries	1 298	1 252	-	-	-	-	46	-
Sales representatives, wholesale trade	2 264	2 068	8	-	4	4	188	-
Sales clerks, retail trade	2 994	2 418	27	11	-	16	525	24
Salesmen, retail trade	1 215	1 030	11	5	6	-	167	7
Salesmen of services and construction	427	390	11	-	11	-	26	-
Other sales workers	1 263	1 079	48	9	31	8	132	4
Clerical and kindred workers	**17 359**	**9 932**	**7 229**	**2 657**	**3 966**	**606**	**180**	**18**
Bank tellers and cashiers	620	547	68	-	40	28	5	-
Bookkeepers and billing clerks	2 030	1 130	834	47	704	83	66	-
Mail handlers and postal clerks	2 529	333	2 196	1 878	302	16	-	-
Other clerical and kindred workers	12 180	7 922	4 131	732	2 920	479	109	18
Craftsmen and kindred workers	**35 927**	**29 432**	**3 492**	**1 184**	**1 281**	**1 027**	**2 980**	**23**
Apparel craftsmen and upholsterers	452	325	14	7	7	-	113	-
Bakers	310	276	7	-	-	7	27	-
Cabinetmakers	90	69	-	-	-	-	21	-
Construction craftsmen	9 750	7 502	765	118	292	355	1 474	9
Carpenters	2 683	1 992	96	21	62	13	595	-
Excavating, grading, and road machine operators	925	573	294	-	75	219	58	-
Electricians	1 600	1 401	101	31	26	44	98	-
Masons and tile setters	892	720	35	6	11	18	133	4
Painters, construction and maintenance, and paperhangers	1 055	600	91	16	51	24	359	5
Plasterers and cement finishers	155	145	7	-	7	-	3	-
Plumbers and pipe fitters	1 712	1 430	109	31	41	37	173	-
Other construction craftsmen	728	641	32	13	19	-	55	-
Foremen, n.e.c.	4 981	4 329	620	166	273	181	28	4
Manufacturing	2 586	2 444	134	124	10	-	4	4
Nonmanufacturing industries	2 395	1 885	486	42	263	181	24	-
Linemen and servicemen, telephone and power	1 529	1 509	20	10	5	5	-	-
Locomotive engineers and firemen	411	407	4	4	-	-	-	-
Mechanics and repairmen	7 761	6 248	754	230	230	294	749	10
Air conditioning, heating, and refrigeration	518	458	5	-	5	-	55	-
Aircraft	112	67	45	30	15	-	-	-
Automobile, including body	3 045	2 357	256	52	71	133	432	-
Radio and television	388	216	42	25	13	4	125	5
Other mechanics and repairmen	3 698	3 150	406	123	126	157	137	5
Metal craftsmen, except mechanics	3 274	2 740	487	447	35	5	47	-
Machinists and job and die setters	1 618	1 226	379	350	24	5	13	-
Sheetmetal workers and tinsmiths	522	514	8	3	5	-	-	-
Tool and die makers	466	424	31	31	-	-	11	-
Other metal craftsmen	668	576	69	63	6	-	23	-
Printing craftsmen	1 987	1 707	217	36	178	3	63	-
Compositors and typesetters	900	797	73	19	54	-	30	-
Pressmen and plate printers, printing	816	656	131	7	124	-	29	-
Stationary engineers and power station operators	709	465	244	16	120	108	-	-
Other craftsmen and kindred workers	4 673	3 855	360	150	141	69	458	-

Table 173. **Occupation of Employed Persons by Class of Worker, Race, 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	Total employed	Private wage and salary workers	Government workers				Self-employed workers	Unpaid family workers
			Total	Federal	State	Local		
ALBANY–SCHENECTADY–TROY SMSA—Continued								
Total—Continued								
Male, 16 years old and over—Continued								
Operatives, except transport	**20 587**	**18 862**	**1 208**	**701**	**293**	**214**	**485**	**32**
Assemblers	1 429	1 353	59	59	–	–	17	–
Checkers, examiners, and inspectors; manufacturing	1 166	1 044	122	97	20	5	–	–
Garage workers and gas station attendants	1 035	966	31	6	13	12	38	–
Laundry and drycleaning operatives, n.e.c	229	142	47	–	19	28	40	–
Meat cutters and butchers	867	761	21	21	–	–	85	–
Mine operatives, n.e.c	57	57	–	–	–	–	–	–
Packers and wrappers, except produce	666	630	36	36	–	–	–	–
Painters, manufactured articles	224	201	–	–	–	–	23	–
Precision machine operatives	1 632	1 485	138	121	5	12	9	–
Sawyers	150	121	–	–	–	–	29	–
Stationary firemen	336	204	129	45	64	20	3	–
Textile operatives	564	560	4	–	4	–	–	–
Welders and flamecutters	1 571	1 466	48	22	17	9	57	–
Other metalworking operatives	692	642	27	27	–	–	18	5
Other specified operatives	3 194	2 925	156	68	51	37	109	4
Miscellaneous and not specified operatives	6 775	6 305	390	199	100	91	57	23
Occupation:								
Machine operatives, miscellaneous specified	2 813	2 713	65	36	18	11	23	12
Machine operatives, not specified	2 030	1 791	218	127	48	43	10	11
Miscellaneous operatives	1 323	1 236	75	17	34	24	12	–
Not specified operatives	609	565	32	19	–	13	12	–
Industry:								
Manufacturing	5 778	5 544	189	151	19	19	22	23
Durable goods	3 132	2 936	167	141	7	19	11	18
Wood products, including furniture	87	81	–	–	–	–	6	–
Primary metal industries	275	275	–	–	–	–	–	–
Fabricated metal industries	177	160	5	–	–	5	–	12
Machinery, including electrical	1 312	1 271	36	22	–	14	5	–
Motor vehicles and equipment	228	228	–	–	–	–	–	–
Transportation equipment, except motor vehicles	17	17	–	–	–	–	–	–
Other durable goods	1 036	904	126	119	7	–	–	6
Nondurable goods	2 628	2 590	22	10	12	–	11	5
Food and kindred products	392	388	4	4	–	–	–	–
Apparel and other fabricated textile products	105	105	–	–	–	–	–	–
Paper and allied products	1 160	1 155	–	–	–	–	5	–
Chemicals and allied products	652	641	6	6	–	–	–	5
Other nondurable goods	319	301	12	–	12	–	6	–
Not specified manufacturing industries	18	18	–	–	–	–	–	–
Nonmanufacturing industries	997	761	201	48	81	72	35	–
Transportation, communications, and other public utilities	133	100	33	4	–	29	–	–
Wholesale and retail trade	428	394	5	5	–	–	29	–
All other industries	436	267	163	39	81	43	6	–
Transport equipment operatives	**10 259**	**8 489**	**1 305**	**151**	**333**	**821**	**456**	**9**
Bus drivers	698	356	315	13	70	232	27	–
Taxicab drivers and chauffeurs	625	526	81	5	68	8	18	–
Truck drivers and deliverymen	6 928	5 839	707	86	122	499	373	9
Other transport equipment operatives	2 008	1 768	202	47	73	82	38	–
Laborers, except farm	**10 334**	**8 366**	**1 692**	**339**	**419**	**934**	**252**	**24**
Construction laborers	2 337	1 677	651	6	209	436	4	5
Freight, stock, and material handlers	4 268	3 768	419	226	45	148	68	13
Other specified laborers	2 060	1 545	356	83	92	181	153	6
Miscellaneous and not specified laborers	1 669	1 376	266	24	73	169	27	–
Occupation:								
Miscellaneous laborers	760	615	124	13	17	94	21	–
Not specified laborers	909	761	142	11	56	75	6	–
Industry:								
Manufacturing	832	809	23	18	5	–	–	–
Durable goods	528	510	18	18	–	–	–	–
Wood products, including furniture	11	11	–	–	–	–	–	–
Metal industries	117	112	5	5	–	–	–	–
Machinery, including electrical	292	292	–	–	–	–	–	–
Transportation equipment	28	28	–	–	–	–	–	–
Other durable goods	80	67	13	13	–	–	–	–
Nondurable goods	304	299	5	–	5	–	–	–
Food and kindred products	101	101	–	–	–	–	–	–
Not specified manufacturing industries	–	–	–	–	–	–	–	–
Nonmanufacturing industries	837	567	243	6	68	169	27	–
Railroads and railway express service	135	135	–	–	–	–	–	–
Transportation, except railroads	38	22	10	–	10	–	6	–
Communications, and utilities and sanitary services	139	19	120	–	–	120	–	–
Wholesale and retail trade	228	223	5	–	5	–	–	–
All other industries	297	168	108	6	53	49	21	–
Farmers and farm managers	**1 445**	**92**	**–**	**–**	**–**	**–**	**1 353**	**–**
Farm laborers and farm foremen	**680**	**560**	**30**	**–**	**20**	**10**	**5**	**85**
Paid farm laborers and farm foremen	595	560	30	–	20	10	5	–
Unpaid family workers	85	–	–	–	–	–	–	85
Service workers, except private household[1]	**14 985**	**8 852**	**5 050**	**375**	**1 515**	**3 160**	**1 047**	**36**
Cleaning service workers	4 632	2 849	1 731	153	621	957	52	–
Food service workers	3 933	3 235	221	12	161	48	441	36
Cooks, except private household	1 237	1 047	51	–	25	26	139	–
Busboys and dishwashers	796	713	70	–	70	–	6	7
Health service workers	497	280	217	96	50	71	–	–
Personal service workers	1 453	823	124	12	63	49	506	–
Protective service workers	3 445	884	2 546	89	587	1 870	15	–
Firemen, fire protection	777	35	742	18	12	712	–	–
Guards and watchmen	1 085	723	357	32	135	190	5	–
Policemen and detectives	1 286	107	1 174	35	390	749	5	–
Private household workers	**84**	**84**	**–**	**–**	**–**	**–**	**–**	**–**

[1]Includes allocated cases not shown separately.

Table 173. **Occupation of Employed Persons by Class of Worker, Race, 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	Total employed	Private wage and salary workers	Government workers				Self-employed workers	Unpaid family workers
			Total	Federal	State	Local		
ALBANY–SCHENECTADY–TROY SMSA—Continued								
Total—Continued								
Female, 16 years old and over	**110 530**	**72 929**	**33 308**	**2 655**	**18 391**	**12 262**	**3 437**	**856**
Professional, technical, and kindred workers	**19 473**	**9 349**	**9 343**	**456**	**2 647**	**6 240**	**704**	**77**
Accountants	760	299	423	70	343	10	38	-
Computer specialists	363	199	164	-	155	9	-	-
Librarians	425	109	316	-	109	207	-	-
Mathematical specialists	91	42	49	-	44	5	-	-
Life and physical scientists	198	104	94	23	71	-	-	-
Registered nurses, dietitians, and therapists	4 226	3 206	765	139	146	480	223	32
Dietitians	118	81	37	5	10	22	-	-
Registered nurses	3 885	2 974	656	120	131	405	223	32
Health technologists and technicians	954	807	136	18	90	28	-	11
Social scientists	92	29	63	4	27	32	-	-
Social and recreation workers	611	259	348	10	113	225	-	4
Teachers: College and university	721	344	377	8	278	91	-	-
Elementary and prekindergarten	4 760	1 260	3 490	26	359	3 105	10	-
Secondary	2 293	582	1 711	25	119	1 567	-	-
Other teachers	486	207	124	4	23	97	142	13
Engineering and science technicians	402	238	164	24	140	-	-	-
Technicians, except health, and engineering and science	46	19	21	-	21	-	6	-
Writers, artists, and entertainers	779	567	81	10	65	6	126	5
Actors and dancers	9	4	5	5	-	-	-	-
Authors, editors, and reporters	231	185	33	5	28	-	13	-
Other professional, technical, and kindred workers	2 266	1 078	1 017	95	544	378	159	12
Managers and administrators, except farm	**3 627**	**2 244**	**885**	**117**	**467**	**301**	**441**	**57**
Buyers, purchasing agents, and sales managers	560	433	64	5	59	-	54	9
Restaurant, cafeteria, and bar managers	249	141	66	4	5	57	33	9
School administrators	198	88	104	12	22	70	6	-
Other specified managers and administrators	1 089	505	544	96	300	148	36	4
Managers and administrators, n.e.c., salaried	1 184	1 077	107	-	81	26	-	-
Wholesale and retail trade	405	400	5	-	5	-	-	-
Managers and administrators, n.e.c., self-employed	347	-	-	-	-	-	312	35
Wholesale and retail trade	235	-	-	-	-	-	205	30
Sales workers	**7 503**	**6 830**	**97**	**19**	**51**	**27**	**432**	**144**
Demonstrators, hucksters, and peddlers	227	163	-	-	-	-	61	3
Insurance, real estate agents, and brokers	586	514	6	-	6	-	62	4
Sales clerks, retail trade	5 268	4 922	28	6	12	10	230	88
Salesmen, retail trade	153	128	-	-	-	-	15	10
Other sales workers	1 269	1 103	63	13	33	17	64	39
Clerical and kindred workers	**48 761**	**29 696**	**18 541**	**1 537**	**13 623**	**3 381**	**301**	**223**
Bank tellers	694	648	46	33	13	-	-	-
Bookkeepers	5 427	3 938	1 313	102	935	276	97	79
Cashiers	2 371	2 231	92	21	48	23	31	17
Counter clerks, except food	481	466	10	-	10	-	-	5
Enumerators and interviewers	106	50	51	24	17	10	5	-
File clerks	3 062	1 014	2 043	34	1 854	155	5	-
Office machine operators	2 813	1 464	1 349	56	1 237	56	-	-
Bookkeeping and billing machine operators	278	196	82	9	56	17	-	-
Keypunch operators	1 806	823	983	33	923	27	-	-
Payroll and timekeeping clerks	532	341	191	3	116	72	-	-
Receptionists	1 052	800	227	19	156	52	5	20
Secretaries	10 734	7 358	3 294	269	2 210	815	32	50
Stenographers	2 157	412	1 726	75	1 505	146	19	-
Telephone operators	1 435	1 282	142	24	68	50	5	6
Typists	5 715	2 601	3 069	258	2 257	554	32	13
Other clerical and kindred workers	12 182	7 091	4 988	619	3 197	1 172	70	33
Craftsmen and kindred workers	**1 443**	**1 136**	**238**	**70**	**113**	**55**	**49**	**20**
Foremen, n.e.c.	450	361	79	5	62	12	10	-
Operatives, except transport	**9 469**	**8 936**	**361**	**134**	**153**	**74**	**148**	**24**
Assemblers	471	434	33	25	-	8	4	-
Bottling and canning operatives	34	34	-	-	-	-	-	-
Checkers, examiners, and inspectors; manufacturing	608	590	18	-	18	-	-	-
Dressmakers and seamstresses, except factory	239	164	-	-	-	-	75	-
Laundry and drycleaning operatives, including ironers	954	894	49	7	18	24	11	-
Graders and sorters, manufacturing	31	31	-	-	-	-	-	-
Packers and wrappers, except produce	1 058	1 020	30	8	17	5	8	-
Sewers and stitchers	2 411	2 380	19	-	12	7	12	-
Textile operatives	398	382	10	-	-	10	6	-
Other specified operatives	1 528	1 394	82	42	25	15	32	20
Miscellaneous and not specified operatives	1 737	1 613	120	52	63	5	-	4
Manufacturing	1 429	1 400	25	25	-	-	-	4
Durable goods	533	504	25	25	-	-	-	4
Machinery, including electrical	166	166	-	-	-	-	-	-
Other durable goods	367	338	25	25	-	-	-	4
Nondurable goods, including not specified manufacturing	896	896	-	-	-	-	-	-
Food and kindred products	67	67	-	-	-	-	-	-
Apparel and other fabricated textile products	237	237	-	-	-	-	-	-
Nonmanufacturing industries	308	213	95	27	63	5	-	-
Transport equipment operatives	**437**	**227**	**167**	**4**	**41**	**122**	**22**	**21**
Laborers, except farm	**901**	**767**	**99**	**15**	**35**	**49**	**18**	**17**
Farmers and farm managers	**196**	**15**	**-**	**-**	**-**	**-**	**181**	**-**
Farm laborers and farm foremen	**210**	**117**	**10**	**-**	**10**	**-**	**-**	**83**
Paid farm laborers and farm foremen	127	117	10	-	10	-	-	-
Unpaid family workers	83	-	-	-	-	-	-	83
Service workers, except private household[1]	**16 555**	**11 667**	**3 567**	**303**	**1 251**	**2 013**	**1 137**	**184**
Cleaning service workers	2 606	1 733	841	30	518	293	32	-
Chambermaids and maids	630	530	95	4	68	23	5	-
Food service workers	6 241	5 024	840	76	221	543	225	152
Cooks, except private household	1 149	793	250	11	58	181	73	33
Waiters and food counter workers	3 879	3 439	232	28	95	109	112	96
Health service workers	3 423	2 598	742	155	134	453	67	16
Nursing aides, orderlies, and attendants	1 786	1 269	500	115	71	314	17	-
Practical nurses	956	715	186	40	14	132	50	5
Personal service workers	2 449	1 281	446	24	163	259	712	10
Hairdressers and cosmetologists	1 317	705	4	-	-	4	598	10
Private household workers	**1 955**	**1 945**	**-**	**-**	**-**	**-**	**4**	**6**
Private household workers, living in	199	193	-	-	-	-	-	6
Private household workers, living out	1 756	1 752	-	-	-	-	4	-

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

Table 173. **Occupation of Employed Persons by Class of Worker, Race, 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	Total employed	Private wage and salary workers	Government workers				Self-employed workers	Unpaid family workers
			Total	Federal	State	Local		
BINGHAMTON, N.Y.–PA., SMSA								
Total								
Male, 16 years old and over	**73 297**	**57 991**	**9 273**	**1 248**	**3 540**	**4 485**	**5 851**	**182**
Professional, technical, and kindred workers	**14 720**	**11 361**	**2 506**	**139**	**1 088**	**1 279**	**853**	**–**
Accountants	777	654	75	24	41	10	48	–
Architects	25	4	5	–	5	–	16	–
Computer specialists	1 308	1 275	28	–	21	7	5	–
Engineers	4 204	4 036	136	22	101	13	32	–
Aeronautical and astronautical	47	47	–	–	–	–	–	–
Civil	203	110	93	9	71	13	–	–
Electrical and electronic	1 796	1 777	14	4	10	–	5	–
Mechanical	461	455	–	–	–	–	6	–
Other engineers	1 697	1 647	29	9	20	–	21	–
Lawyers and judges	294	87	38	6	5	27	169	–
Life and physical scientists	236	222	14	14	–	–	–	–
Chemists	173	173	–	–	–	–	–	–
Physicians, dentists, and related practitioners	624	182	24	4	20	–	418	–
Dentists	126	9	–	–	–	–	117	–
Pharmacists	110	84	–	–	–	–	26	–
Physicians, medical and osteopathic	329	89	20	–	20	–	220	–
Other related practitioners	59	–	4	4	–	–	55	–
Health technologists and technicians	80	52	23	–	6	17	5	–
Religious workers	374	329	–	–	–	–	45	–
Social scientists	83	61	22	–	–	22	–	–
Social and recreation workers	168	67	101	5	29	67	–	–
Teachers	1 919	371	1 534	9	561	964	14	–
College and university	529	65	464	5	363	96	–	–
Elementary and prekindergarten	493	72	421	–	85	336	–	–
Secondary	727	86	641	–	113	528	–	–
Engineering and science technicians	2 052	1 918	127	18	86	23	7	–
Draftsmen and surveyors	538	468	63	–	51	12	7	–
Electrical and electronic engineering technicians	916	896	20	14	–	6	–	–
Technicians, except health, and engineering and science	100	68	27	16	–	11	5	–
Airplane pilots	27	27	–	–	–	–	–	–
Writers, artists, and entertainers	961	880	46	–	37	9	35	–
Other professional, technical, and kindred workers	1 515	1 155	306	21	176	109	54	–
Managers and administrators, except farm	**7 588**	**5 527**	**851**	**158**	**232**	**461**	**1 175**	**35**
Buyers, purchasing agents, and sales managers	961	821	47	15	22	10	70	23
School administrators	269	63	206	–	51	155	–	–
Specified managers and administrators, public administration	340	–	340	124	63	153	–	–
Other specified managers and administrators	1 201	870	94	4	30	60	230	7
Managers and administrators, n.e.c., salaried	3 937	3 773	164	15	66	83	–	–
Manufacturing	1 708	1 704	4	4	–	–	–	–
Wholesale and retail trade	1 089	1 089	–	–	–	–	–	–
Transportation, communications and other public utilities	245	229	16	6	5	5	–	–
All other industries	895	751	144	5	61	78	–	–
Managers and administrators, n.e.c., self-employed	880	–	–	–	–	–	875	5
Construction	197	–	–	–	–	–	197	–
Manufacturing	76	–	–	–	–	–	76	–
Wholesale and retail trade	448	–	–	–	–	–	448	–
All other industries	159	–	–	–	–	–	154	5
Sales workers	**4 303**	**3 758**	**40**	**15**	**11**	**14**	**500**	**5**
Insurance agents, brokers, and underwriters	550	479	–	–	–	–	71	–
Real estate agents and brokers	153	101	–	–	–	–	52	–
Sales representatives, manufacturing industries	425	414	–	–	–	–	11	–
Sales representatives, wholesale trade	751	720	–	–	–	–	31	–
Sales clerks, retail trade	1 069	882	16	6	6	4	166	5
Salesmen, retail trade	567	460	–	–	–	–	107	–
Salesmen of services and construction	169	135	15	5	5	5	19	–
Other sales workers	619	567	9	4	–	5	43	–
Clerical and kindred workers	**5 737**	**4 656**	**1 026**	**724**	**160**	**142**	**46**	**9**
Bank tellers and cashiers	159	149	–	–	–	–	10	–
Bookkeepers and billing clerks	442	407	29	14	11	4	6	–
Mail handlers and postal clerks	712	88	620	605	11	4	–	4
Other clerical and kindred workers	4 424	4 012	377	105	138	134	30	5
Craftsmen and kindred workers	**14 388**	**12 376**	**911**	**46**	**366**	**499**	**1 087**	**14**
Apparel craftsmen and upholsterers	341	314	6	–	6	–	21	–
Bakers	79	64	–	–	–	–	15	–
Cabinetmakers	71	51	–	–	–	–	20	–
Construction craftsmen	3 306	2 446	300	6	101	193	554	6
Carpenters	994	738	22	–	9	13	228	6
Excavating, grading, and road machine operators	535	323	171	–	58	113	41	–
Electricians	460	418	14	–	9	5	28	–
Masons and tile setters	251	175	11	–	–	11	65	–
Painters, construction and maintenance, and paperhangers	303	175	50	6	16	28	78	–
Plasterers and cement finishers	83	69	–	–	–	–	14	–
Plumbers and pipe fitters	472	368	27	–	4	23	77	–
Other construction craftsmen	208	180	5	–	5	–	23	–
Foremen, n.e.c	2 205	2 020	153	6	65	82	32	–
Manufacturing	1 393	1 374	–	–	–	–	19	–
Nonmanufacturing industries	812	646	153	6	65	82	13	–
Linemen and servicemen, telephone and power	438	415	23	–	19	4	–	–
Locomotive engineers and firemen	78	78	–	–	–	–	–	–
Mechanics and repairmen	3 360	2 811	278	24	96	158	267	4
Air conditioning, heating, and refrigeration	139	121	–	–	–	–	18	–
Aircraft	19	13	6	–	–	6	–	–
Automobile, including body	1 427	1 120	125	9	63	53	182	–
Radio and television	152	125	5	–	–	5	22	–
Other mechanics and repairmen	1 623	1 432	142	15	33	94	45	4
Metal craftsmen, except mechanics	2 214	2 169	18	10	8	–	27	–
Machinists and job and die setters	742	732	10	10	–	–	–	–
Sheetmetal workers and tinsmiths	228	220	–	–	–	–	8	–
Tool and die makers	807	790	8	–	8	–	9	–
Other metal craftsmen	437	427	–	–	–	–	10	–
Printing craftsmen	420	408	9	–	5	4	3	–
Compositors and typesetters	207	207	–	–	–	–	–	–
Pressmen and plate printers, printing	113	113	–	–	–	–	–	–
Stationary engineers and power station operators	185	134	51	–	27	24	–	–
Other craftsmen and kindred workers	1 691	1 466	73	–	39	34	148	4

Table 173. **Occupation of Employed Persons by Class of Worker, Race, 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	Total employed	Private wage and salary workers	Government workers				Self-employed workers	Unpaid family workers
			Total	Federal	State	Local		
BINGHAMTON, N.Y.–PA., SMSA—Continued								
Total—Continued								
Male, 16 years old and over—Continued								
Operatives, except transport	**10 425**	**10 122**	**152**	**37**	**36**	**79**	**141**	**10**
Assemblers	1 229	1 222	3	–	–	3	4	–
Checkers, examiners, and inspectors; manufacturing	1 430	1 419	11	6	–	5	–	–
Garage workers and gas station attendants	367	346	–	–	–	–	21	–
Laundry and drycleaning operatives, n.e.c	85	62	21	–	14	7	2	–
Meat cutters and butchers	267	219	6	–	6	–	42	–
Mine operatives, n.e.c	26	20	–	–	–	–	6	–
Packers and wrappers, except produce	400	386	6	6	–	–	8	–
Painters, manufactured articles	82	82	–	–	–	–	–	–
Precision machine operatives	733	718	5	5	–	–	10	–
Sawyers	122	122	–	–	–	–	–	–
Stationary firemen	79	46	33	2	6	25	–	–
Textile operatives	24	24	–	–	–	–	–	–
Welders and flamecutters	312	306	6	–	–	6	–	–
Other metalworking operatives	463	458	5	5	–	–	–	–
Other specified operatives	2 030	1 971	5	–	–	5	44	10
Miscellaneous and not specified operatives	2 776	2 721	51	13	10	28	4	–
Occupation:								
Machine operatives, miscellaneous specified	1 140	1 125	15	8	–	7	–	–
Machine operatives, not specified	716	699	17	–	–	17	–	–
Miscellaneous operatives	628	605	19	5	10	4	4	–
Not specified operatives	292	292	–	–	–	–	–	–
Industry:								
Manufacturing	2 502	2 489	13	13	–	–	–	–
Durable goods	1 941	1 928	13	13	–	–	–	–
Wood products, including furniture	95	95	–	–	–	–	–	–
Primary metal industries	120	120	–	–	–	–	–	–
Fabricated metal industries	87	87	–	–	–	–	–	–
Machinery, including electrical	994	994	–	–	–	–	–	–
Motor vehicles and equipment	6	6	–	–	–	–	–	–
Transportation equipment, except motor vehicles	47	42	5	5	–	–	–	–
Other durable goods	592	584	8	8	–	–	–	–
Nondurable goods	548	548	–	–	–	–	–	–
Food and kindred products	60	60	–	–	–	–	–	–
Apparel and other fabricated textile products	8	8	–	–	–	–	–	–
Paper and allied products	139	139	–	–	–	–	–	–
Chemicals and allied products	11	11	–	–	–	–	–	–
Other nondurable goods	330	330	–	–	–	–	–	–
Not specified manufacturing industries	13	13	–	–	–	–	–	–
Nonmanufacturing industries	274	232	38	–	10	28	4	–
Transportation, communications, and other public utilities	57	53	4	–	–	4	–	–
Wholesale and retail trade	91	91	–	–	–	–	–	–
All other industries	126	88	34	–	10	24	4	–
Transport equipment operatives	**3 721**	**3 108**	**492**	**5**	**164**	**323**	**121**	–
Bus drivers	281	131	145	–	38	107	5	–
Taxicab drivers and chauffeurs	172	147	20	–	–	20	5	–
Truck drivers and deliverymen	2 805	2 411	305	–	120	185	89	–
Other transport equipment operatives	463	419	22	5	6	11	22	–
Laborers, except farm	**3 699**	**2 944**	**698**	**63**	**287**	**348**	**51**	**6**
Construction laborers	842	522	320	–	219	101	–	–
Freight, stock, and material handlers	1 407	1 303	92	47	6	39	12	–
Other specified laborers	812	596	190	4	47	139	20	6
Miscellaneous and not specified laborers	638	523	96	12	15	69	19	–
Occupation:								
Miscellaneous laborers	228	171	38	8	–	30	19	–
Not specified laborers	410	352	58	4	15	39	–	–
Industry:								
Manufacturing	293	293	–	–	–	–	–	–
Durable goods	182	182	–	–	–	–	–	–
Wood products, including furniture	17	17	–	–	–	–	–	–
Metal industries	57	57	–	–	–	–	–	–
Machinery, including electrical	71	71	–	–	–	–	–	–
Transportation equipment	–	–	–	–	–	–	–	–
Other durable goods	37	37	–	–	–	–	–	–
Nondurable goods	106	106	–	–	–	–	–	–
Food and kindred products	33	33	–	–	–	–	–	–
Not specified manufacturing industries	5	5	–	–	–	–	–	–
Nonmanufacturing industries	345	230	96	12	15	69	19	–
Railroads and railway express service	62	54	8	8	–	–	–	–
Transportation, except railroads	12	12	–	–	–	–	–	–
Communications, and utilities and sanitary services	66	26	35	–	–	35	5	–
Wholesale and retail trade	85	75	–	–	–	–	10	–
All other industries	120	63	53	4	15	34	4	–
Farmers and farm managers	**1 647**	**116**	–	–	–	–	**1 531**	–
Farm laborers and farm foremen	**750**	**631**	–	–	–	–	**16**	**103**
Paid farm laborers and farm foremen	647	631	–	–	–	–	16	–
Unpaid family workers	103	–	–	–	–	–	–	103
Service workers, except private household[1]	**6 307**	**3 380**	**2 597**	**61**	**1 196**	**1 340**	**330**	–
Cleaning service workers	2 159	1 419	730	25	310	395	10	–
Food service workers	1 237	995	161	–	122	39	81	–
Cooks, except private household	433	355	43	–	31	12	35	–
Busboys and dishwashers	249	210	39	–	39	–	–	–
Health service workers	453	91	358	–	320	38	4	–
Personal service workers	480	216	57	–	49	8	207	–
Protective service workers	1 405	337	1 068	36	299	733	–	–
Firemen, fire protection	278	20	258	13	6	239	–	–
Guards and watchmen	470	298	172	–	139	33	–	–
Policemen and detectives	519	14	505	11	154	340	–	–
Private household workers	**12**	**12**	–	–	–	–	–	–

[1]Includes allocated cases not shown separately.

Table 173. **Occupation of Employed Persons by Class of Worker, Race, 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	Total employed	Private wage and salary workers	Government workers				Self-employed workers	Unpaid family workers
			Total	Federal	State	Local		
BINGHAMTON, N.Y.–PA., SMSA—Continued								
Total—Continued								
Female, 16 years old and over	**43 128**	**32 393**	**8 787**	**543**	**2 610**	**5 634**	**1 606**	**342**
Professional, technical, and kindred workers	**7 421**	**3 398**	**3 831**	**67**	**923**	**2 841**	**182**	**10**
Accountants	234	183	51	6	21	24	–	–
Computer specialists	213	206	7	–	7	–	–	–
Librarians	222	42	180	5	115	60	–	–
Mathematical specialists	11	11	–	–	–	–	–	–
Life and physical scientists	7	7	–	–	–	–	–	–
Registered nurses, dietitians, and therapists	1 691	1 032	614	–	171	443	35	10
Dietitians	56	10	46	–	5	41	–	–
Registered nurses	1 577	981	551	–	149	402	35	10
Health technologists and technicians	355	295	60	4	12	44	–	–
Social scientists	17	5	12	–	5	7	–	–
Social and recreation workers	226	46	180	13	42	125	–	–
Teachers: College and university	172	33	139	7	99	33	–	–
Elementary and prekindergarten	1 951	430	1 521	–	183	1 338	–	–
Secondary	796	140	656	–	79	577	–	–
Other teachers	270	123	55	16	10	29	92	–
Engineering and science technicians	228	201	27	–	27	–	–	–
Technicians, except health, and engineering and science	12	–	12	4	5	3	–	–
Writers, artists, and entertainers	292	252	19	–	13	6	21	–
Actors and dancers	–	–	–	–	–	–	–	–
Authors, editors, and reporters	80	70	4	–	4	–	6	–
Other professional, technical, and kindred workers	724	392	298	12	134	152	34	–
Managers and administrators, except farm	**1 363**	**862**	**220**	**18**	**41**	**161**	**255**	**26**
Buyers, purchasing agents, and sales managers	192	168	14	–	4	10	10	–
Restaurant, cafeteria, and bar managers	154	75	23	–	10	13	47	9
School administrators	86	33	42	–	11	31	11	–
Other specified managers and administrators	302	189	108	18	–	90	–	5
Managers and administrators, n.e.c., salaried	430	397	33	–	16	17	–	–
Wholesale and retail trade	120	120	–	–	–	–	–	–
Managers and administrators, n.e.c., self-employed	199	–	–	–	–	–	187	12
Wholesale and retail trade	138	–	–	–	–	–	133	5
Sales workers	**2 953**	**2 710**	**9**	**–**	**–**	**9**	**177**	**57**
Demonstrators, hucksters, and peddlers	191	170	–	–	–	–	21	–
Insurance, real estate agents, and brokers	276	230	–	–	–	–	46	–
Sales clerks, retail trade	1 966	1 827	–	–	–	–	95	44
Salesmen, retail trade	62	57	–	–	–	–	5	–
Other sales workers	458	426	9	–	–	9	10	13
Clerical and kindred workers	**13 344**	**10 548**	**2 508**	**360**	**775**	**1 373**	**155**	**133**
Bank tellers	241	218	23	9	4	10	–	–
Bookkeepers	1 589	1 341	138	11	39	88	66	44
Cashiers	1 120	1 005	86	5	32	49	4	25
Counter clerks, except food	134	130	4	–	4	–	–	–
Enumerators and interviewers	162	52	110	106	4	–	–	–
File clerks	226	185	41	–	22	19	–	–
Office machine operators	445	397	48	5	21	22	–	–
Bookkeeping and billing machine operators	70	65	5	5	–	–	–	–
Keypunch operators	290	254	36	–	18	18	–	–
Payroll and timekeeping clerks	157	123	29	6	6	17	5	–
Receptionists	446	354	83	7	30	46	4	5
Secretaries	4 018	3 279	673	14	231	428	38	28
Stenographers	180	75	99	–	38	61	6	–
Telephone operators	395	346	49	9	36	4	–	–
Typists	992	681	288	18	98	172	15	8
Other clerical and kindred workers	3 239	2 362	837	170	210	457	17	23
Craftsmen and kindred workers	**884**	**744**	**71**	**4**	**14**	**53**	**63**	**6**
Foremen, n.e.c.	190	185	5	–	–	5	–	–
Operatives, except transport	**8 198**	**7 981**	**181**	**59**	**38**	**84**	**22**	**14**
Assemblers	1 565	1 544	21	9	–	12	–	–
Bottling and canning operatives	3	3	–	–	–	–	–	–
Checkers, examiners, and inspectors, manufacturing	688	671	11	–	4	7	–	6
Dressmakers and seamstresses, except factory	50	42	–	–	–	–	8	–
Laundry and drycleaning operatives, including ironers	221	184	29	–	18	11	–	8
Graders and sorters, manufacturing	47	47	–	–	–	–	–	–
Packers and wrappers, except produce	441	436	5	5	–	–	–	–
Sewers and stitchers	1 589	1 579	5	–	5	–	5	–
Textile operatives	20	20	–	–	–	–	–	–
Other specified operatives	2 219	2 174	45	10	5	30	–	–
Miscellaneous and not specified operatives	1 355	1 281	65	35	6	24	9	–
Manufacturing	1 256	1 207	49	35	–	14	–	–
Durable goods	724	675	49	35	–	14	–	–
Machinery, including electrical	427	407	20	9	–	11	–	–
Other durable goods	297	268	29	26	–	3	–	–
Nondurable goods, including not specified manufacturing	532	532	–	–	–	–	–	–
Food and kindred products	61	61	–	–	–	–	–	–
Apparel and other fabricated textile products	60	60	–	–	–	–	–	–
Nonmanufacturing industries	99	74	16	–	6	10	9	–
Transport equipment operatives	**306**	**122**	**167**	**3**	**22**	**142**	**9**	**8**
Laborers, except farm	**292**	**259**	**18**	**–**	**6**	**12**	**5**	**10**
Farmers and farm managers	**155**	**10**	**–**	**–**	**–**	**–**	**145**	**–**
Farm laborers and farm foremen	**132**	**91**	**–**	**–**	**–**	**–**	**–**	**41**
Paid farm laborers and farm foremen	91	91	–	–	–	–	–	–
Unpaid family workers	41	–	–	–	–	–	–	41
Service workers, except private household[1]	**7 087**	**4 680**	**1 782**	**32**	**791**	**959**	**588**	**37**
Cleaning service workers	855	627	195	5	99	91	28	5
Chambermaids and maids	252	222	21	–	17	4	4	5
Food service workers	2 703	1 986	594	12	255	327	95	28
Cooks, except private household	587	394	116	12	31	73	65	12
Waiters and food counter workers	1 541	1 340	174	–	107	67	15	12
Health service workers	1 512	859	636	–	336	300	17	–
Nursing aides, orderlies, and attendants	982	502	477	–	291	186	3	–
Practical nurses	271	136	121	–	30	91	14	–
Personal service workers	1 181	635	186	15	71	100	356	4
Hairdressers and cosmetologists	692	383	5	–	5	–	300	4
Private household workers	**993**	**988**	**–**	**–**	**–**	**–**	**5**	**–**
Private household workers, living in	90	90	–	–	–	–	–	–
Private household workers, living out	903	898	–	–	–	–	5	–

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

498-314 O - 73 - 18

Table 173. **Occupation of Employed Persons by Class of Worker, Race, 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	Total employed	Private wage and salary workers	Government workers				Self-employed workers	Unpaid family workers
			Total	Federal	State	Local		
BUFFALO SMSA								
Total								
Male, 16 years old and over	**321 814**	**260 156**	**41 235**	**8 259**	**10 449**	**22 527**	**20 139**	**284**
Professional, technical, and kindred workers	**45 045**	**27 535**	**12 859**	**1 189**	**4 817**	**6 853**	**4 644**	**7**
Accountants	3 390	2 548	462	226	152	84	373	7
Architects	191	98	9	–	–	9	84	–
Computer specialists	999	921	78	10	52	16	–	–
Engineers	8 081	7 139	699	135	340	224	243	–
Aeronautical and astronautical	595	595	–	–	–	–	–	–
Civil	1 002	438	544	114	269	161	20	–
Electrical and electronic	1 259	1 228	15	5	10	–	16	–
Mechanical	1 303	1 279	12	6	6	–	12	–
Other engineers	3 922	3 599	128	10	55	63	195	–
Lawyers and judges	1 755	387	237	43	68	126	1 131	–
Life and physical scientists	1 426	1 150	276	96	110	70	–	–
Chemists	1 189	1 042	147	34	71	42	–	–
Physicians, dentists, and related practitioners	3 786	1 244	531	134	192	205	2 011	–
Dentists	620	66	24	5	9	10	530	–
Pharmacists	780	621	37	10	6	21	122	–
Physicians, medical and osteopathic	2 095	509	470	119	177	174	1 116	–
Other related practitioners	291	48	–	–	–	–	243	–
Health technologists and technicians	580	335	235	46	125	64	10	–
Religious workers	1 194	1 078	14	4	5	5	102	–
Social scientists	460	302	132	19	51	62	26	–
Social and recreation workers	937	233	699	49	86	564	5	–
Teachers	8 684	1 675	6 908	44	2 379	4 485	101	–
College and university	2 653	475	2 178	9	1 953	216	–	–
Elementary and prekindergarten	1 396	230	1 166	5	122	1 039	–	–
Secondary	4 245	798	3 447	11	266	3 170	–	–
Engineering and science technicians	5 222	4 803	365	113	129	123	54	–
Draftsmen and surveyors	2 117	1 936	135	36	27	72	46	–
Electrical and electronic engineering technicians	773	703	70	53	17	–	–	–
Technicians, except health, and engineering and science	528	309	219	119	39	61	–	–
Airplane pilots	145	138	7	–	7	–	–	–
Writers, artists, and entertainers	2 807	2 287	204	32	125	47	316	–
Other professional, technical, and kindred workers	5 005	3 026	1 791	119	964	708	188	–
Managers and administrators, except farm	**30 163**	**22 620**	**3 361**	**844**	**884**	**1 633**	**4 143**	**39**
Buyers, purchasing agents, and sales managers	4 361	4 066	143	35	48	60	146	6
School administrators	787	105	672	–	148	524	10	–
Specified managers and administrators, public administration	1 663	–	1 663	715	348	600	–	–
Other specified managers and administrators	5 742	4 444	311	62	124	125	977	10
Managers and administrators, n.e.c., salaried	14 577	14 005	572	32	216	324	–	–
Manufacturing	4 376	4 376	–	–	–	–	–	–
Wholesale and retail trade	4 582	4 577	5	5	–	–	–	–
Transportation, communications and other public utilities	1 260	1 169	91	9	14	68	–	–
All other industries	4 359	3 883	476	18	202	256	–	–
Managers and administrators, n.e.c., self-employed	3 033	–	–	–	–	–	3 010	23
Construction	556	–	–	–	–	–	556	–
Manufacturing	238	–	–	–	–	–	238	–
Wholesale and retail trade	1 778	–	–	–	–	–	1 760	18
All other industries	461	–	–	–	–	–	456	5
Sales workers	**20 643**	**18 116**	**106**	**5**	**39**	**62**	**2 375**	**46**
Insurance agents, brokers, and underwriters	2 328	1 992	17	5	6	6	319	–
Real estate agents and brokers	722	468	9	–	4	5	240	5
Sales representatives, manufacturing industries	2 386	2 300	6	–	–	6	80	–
Sales representatives, wholesale trade	4 445	4 002	–	–	–	–	443	–
Sales clerks, retail trade	4 959	4 146	27	–	19	8	745	41
Salesmen, retail trade	2 444	2 197	–	–	–	–	247	–
Salesmen of services and construction	1 081	997	18	–	6	12	66	–
Other sales workers	2 278	2 014	29	–	4	25	235	–
Clerical and kindred workers	**24 740**	**18 560**	**5 837**	**4 055**	**732**	**1 050**	**328**	**15**
Bank tellers and cashiers	641	523	98	11	69	18	14	6
Bookkeepers and billing clerks	1 824	1 583	141	37	33	71	94	6
Mail handlers and postal clerks	3 780	295	3 485	3 448	25	12	–	–
Other clerical and kindred workers	18 495	16 159	2 113	559	605	949	220	3
Craftsmen and kindred workers	**75 778**	**67 527**	**4 376**	**679**	**1 022**	**2 675**	**3 847**	**28**
Apparel craftsmen and upholsterers	402	307	5	–	5	–	90	–
Bakers	645	580	11	–	–	11	54	–
Cabinetmakers	246	185	15	–	5	10	46	–
Construction craftsmen	15 551	12 710	1 256	142	356	758	1 585	–
Carpenters	3 415	2 634	199	8	38	153	582	–
Excavating, grading, and road machine operators	1 184	810	327	5	73	249	47	–
Electricians	3 728	3 315	223	71	86	66	190	–
Masons and tile setters	1 262	1 095	55	10	12	33	112	–
Painters, construction and maintenance, and paperhangers	1 446	884	193	19	87	87	369	–
Plasterers and cement finishers	484	403	43	6	5	32	38	–
Plumbers and pipe fitters	2 936	2 555	212	23	51	138	169	–
Other construction craftsmen	1 096	1 014	4	–	4	–	78	–
Foremen, n.e.c.	12 084	11 361	622	125	161	336	96	5
Manufacturing	8 345	8 280	51	16	10	25	14	–
Nonmanufacturing industries	3 739	3 081	571	109	151	311	82	5
Linemen and servicemen, telephone and power	1 915	1 872	43	–	17	26	–	–
Locomotive engineers and firemen	1 061	1 040	21	10	–	11	–	–
Mechanics and repairmen	17 066	14 689	1 241	251	289	701	1 119	17
Air conditioning, heating, and refrigeration	802	626	29	4	10	15	139	8
Aircraft	357	280	70	37	33	–	7	–
Automobile, including body	6 119	5 134	339	67	75	197	642	4
Radio and television	600	400	82	33	15	34	118	–
Other mechanics and repairmen	9 188	8 249	721	110	156	455	213	5
Metal craftsmen, except mechanics	12 187	11 983	138	55	24	59	66	–
Machinists and job and die setters	3 776	3 710	60	24	9	27	6	–
Sheetmetal workers and tinsmiths	1 235	1 195	21	–	15	6	19	–
Tool and die makers	2 720	2 681	13	9	–	4	26	–
Other metal craftsmen	4 456	4 397	44	22	–	22	15	–
Printing craftsmen	2 970	2 879	34	5	–	29	57	–
Compositors and typesetters	962	931	5	5	–	–	26	–
Pressmen and plate printers, printing	1 507	1 453	23	–	–	23	31	–
Stationary engineers and power station operators	1 511	1 093	418	13	68	337	–	–
Other craftsmen and kindred workers	10 140	8 828	572	78	97	397	734	6

Table 173. **Occupation of Employed Persons by Class of Worker, Race, 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	Total employed	Private wage and salary workers	Government workers				Self-employed workers	Unpaid family workers
			Total	Federal	State	Local		
BUFFALO SMSA—Continued								
Total—Continued								
Male, 16 years old and over—Continued								
Operatives, except transport	**56 801**	**54 642**	**1 478**	**318**	**307**	**853**	**677**	**4**
Assemblers	5 596	5 509	65	21	10	34	22	–
Checkers, examiners, and inspectors, manufacturing	4 360	4 281	79	33	13	33	–	–
Garage workers and gas station attendants	2 068	1 890	53	–	11	42	125	–
Laundry and drycleaning operatives, n.e.c	380	264	62	11	12	39	54	–
Meat cutters and butchers	1 271	1 132	13	9	–	4	126	–
Mine operatives, n.e.c.	89	89	–	–	–	–	–	–
Packers and wrappers, except produce	1 489	1 486	3	–	3	–	–	–
Painters, manufactured articles	765	765	–	–	–	–	–	–
Precision machine operatives	4 527	4 464	54	12	19	23	5	4
Sawyers	301	296	–	–	–	–	5	–
Stationary firemen	1 067	770	297	31	63	203	–	–
Textile operatives	294	294	–	–	–	–	–	–
Welders and flamecutters	4 271	4 160	70	14	19	37	41	–
Other metalworking operatives	4 380	4 273	86	55	5	26	21	–
Other specified operatives	7 390	7 054	202	38	43	121	134	–
Miscellaneous and not specified operatives	18 553	17 915	494	94	109	291	144	–
Occupation:								
Machine operatives, miscellaneous specified	7 052	6 920	87	18	23	46	45	–
Machine operatives, not specified	5 113	4 986	107	31	19	57	20	–
Miscellaneous operatives	4 199	3 864	275	45	57	173	60	–
Not specified operatives	2 189	2 145	25	–	10	15	19	–
Industry:								
Manufacturing	16 602	16 363	170	45	22	103	69	–
Durable goods	10 189	10 049	121	45	9	67	19	–
Wood products, including furniture	159	159	–	–	–	–	–	–
Primary metal industries	3 077	3 031	46	6	5	35	–	–
Fabricated metal industries	1 121	1 107	9	–	–	9	5	–
Machinery, including electrical	1 948	1 916	27	22	–	5	5	–
Motor vehicles and equipment	1 968	1 946	22	9	–	13	–	–
Transportation equipment, except motor vehicles	450	436	14	5	4	5	–	–
Other durable goods	1 466	1 454	3	3	–	–	9	–
Nondurable goods	6 314	6 215	49	–	13	36	50	–
Food and kindred products	818	799	–	–	–	–	19	–
Apparel and other fabricated textile products	73	73	–	–	–	–	–	–
Paper and allied products	1 168	1 147	15	–	–	15	6	–
Chemicals and allied products	2 377	2 340	22	–	5	17	15	–
Other nondurable goods	1 878	1 856	12	–	8	4	10	–
Not specified manufacturing industries	99	99	–	–	–	–	–	–
Nonmanufacturing industries	1 951	1 552	324	49	87	188	75	–
Transportation, communications, and other public utilities	409	311	98	–	14	84	–	–
Wholesale and retail trade	891	832	11	5	6	–	48	–
All other industries	651	409	215	44	67	104	27	–
Transport equipment operatives	**18 223**	**16 394**	**1 174**	**104**	**282**	**788**	**631**	**24**
Bus drivers	937	803	111	7	11	93	23	–
Taxicab drivers and chauffeurs	819	679	31	5	15	11	109	–
Truck drivers and deliverymen	12 011	10 705	881	58	195	628	401	24
Other transport equipment operatives	4 456	4 207	151	34	61	56	98	–
Laborers, except farm	**21 493**	**18 560**	**2 673**	**525**	**419**	**1 729**	**241**	**19**
Construction laborers	2 674	2 097	567	15	153	399	5	5
Freight, stock, and material handlers	10 132	9 042	1 036	411	16	609	46	8
Other specified laborers	3 542	2 635	752	81	196	475	155	–
Miscellaneous and not specified laborers	5 145	4 786	318	18	54	246	35	6
Occupation:								
Miscellaneous laborers	2 435	2 261	148	–	20	128	26	–
Not specified laborers	2 710	2 525	170	18	34	118	9	6
Industry:								
Manufacturing	3 806	3 758	48	18	14	16	–	–
Durable goods	3 196	3 148	48	18	14	16	–	–
Wood products, including furniture	30	30	–	–	–	–	–	–
Metal industries	2 282	2 247	35	14	10	11	–	–
Machinery, including electrical	239	239	–	–	–	–	–	–
Transportation equipment	463	454	9	4	–	5	–	–
Other durable goods	182	178	4	–	4	–	–	–
Nondurable goods	590	590	–	–	–	–	–	–
Food and kindred products	115	115	–	–	–	–	–	–
Not specified manufacturing industries	20	20	–	–	–	–	–	–
Nonmanufacturing industries	1 339	1 028	270	–	40	230	35	6
Railroads and railway express service	215	210	5	–	–	5	–	–
Transportation, except railroads	53	47	6	–	6	–	–	–
Communications, and utilities and sanitary services	258	93	154	–	–	154	11	–
Wholesale and retail trade	410	390	–	–	–	–	14	6
All other industries	403	288	105	–	34	71	10	–
Farmers and farm managers	**1 659**	**150**	–	–	–	–	**1 504**	**5**
Farm laborers and farm foremen	**1 136**	**958**	**78**	–	**59**	**19**	**33**	**67**
Paid farm laborers and farm foremen	1 069	958	78	–	59	19	33	–
Unpaid family workers	67	–	–	–	–	–	–	67
Service workers, except private household[1]	**26 076**	**15 043**	**9 293**	**540**	**1 888**	**6 865**	**1 710**	**30**
Cleaning service workers	8 946	6 206	2 598	284	744	1 570	131	11
Food service workers	5 311	4 466	315	57	131	127	526	4
Cooks, except private household	1 485	1 286	120	36	62	22	75	4
Busboys and dishwashers	1 339	1 260	79	7	32	40	–	–
Health service workers	1 122	435	679	75	391	213	8	–
Personal service workers	2 367	1 225	180	8	62	110	953	9
Protective service workers	6 996	1 725	5 257	92	486	4 679	14	–
Firemen, fire protection	1 641	52	1 589	–	10	1 579	–	–
Guards and watchmen	2 190	1 553	632	22	144	466	5	–
Policemen and detectives	2 799	105	2 685	59	320	2 306	9	–
Private household workers	**57**	**51**	–	–	–	–	**6**	–

[1]Includes allocated cases not shown separately.

Table 173. **Occupation of Employed Persons by Class of Worker, Race, 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	Total employed	Private wage and salary workers	Government workers				Self-employed workers	Unpaid family workers
			Total	Federal	State	Local		
BUFFALO SMSA—Continued								
Total—Continued								
Female, 16 years old and over	**187 975**	**143 570**	**37 634**	**3 691**	**10 034**	**23 909**	**5 475**	**1 296**
Professional, technical, and kindred workers	**30 926**	**14 403**	**15 643**	**733**	**3 175**	**11 735**	**809**	**71**
Accountants	1 093	849	196	71	32	93	38	10
Computer specialists	235	192	39	4	14	21	4	–
Librarians	588	132	450	13	98	339	–	6
Mathematical specialists	43	39	4	–	4	–	–	–
Life and physical scientists	138	60	73	9	45	19	5	–
Registered nurses, dietitians, and therapists	6 541	4 430	1 955	216	614	1 125	145	11
Dietitians	305	231	74	18	18	38	–	–
Registered nurses	5 900	4 033	1 717	174	535	1 008	139	11
Health technologists and technicians	1 738	1 283	450	77	177	196	5	–
Social scientists	129	39	85	4	52	29	5	–
Social and recreation workers	1 188	401	787	61	98	628	–	–
Teachers: College and university	1 037	295	742	5	629	108	–	–
Elementary and prekindergarten	8 552	2 391	6 161	75	474	5 612	–	–
Secondary	3 961	1 007	2 954	30	232	2 692	–	–
Other teachers	823	280	216	35	42	139	327	–
Engineering and science technicians	690	509	181	13	132	36	–	–
Technicians, except health, and engineering and science	44	22	22	–	17	5	–	–
Writers, artists, and entertainers	1 117	882	119	21	41	57	112	4
Actors and dancers	12	7	–	–	–	–	5	–
Authors, editors, and reporters	222	187	35	5	19	11	–	–
Other professional, technical, and kindred workers	3 009	1 592	1 209	99	474	636	168	40
Managers and administrators, except farm	**5 618**	**3 896**	**826**	**48**	**251**	**527**	**776**	**120**
Buyers, purchasing agents, and sales managers	947	918	20	4	11	5	9	–
Restaurant, cafeteria, and bar managers	711	346	70	–	10	60	241	54
School administrators	579	324	247	–	68	179	8	–
Other specified managers and administrators	1 083	697	349	44	78	227	37	–
Managers and administrators, n.e.c., salaried	1 751	1 611	140	–	84	56	–	–
Wholesale and retail trade	653	653	–	–	–	–	–	–
Managers and administrators, n.e.c., self-employed	547	–	–	–	–	–	481	66
Wholesale and retail trade	383	–	–	–	–	–	334	49
Sales workers	**18 735**	**17 421**	**131**	**29**	**38**	**64**	**904**	**279**
Demonstrators, hucksters, and peddlers	491	405	–	–	–	–	86	–
Insurance, real estate agents, and brokers	911	812	3	–	3	–	96	–
Sales clerks, retail trade	14 485	13 660	86	16	23	47	548	191
Salesmen, retail trade	457	366	–	–	–	–	56	35
Other sales workers	2 391	2 178	42	13	12	17	118	53
Clerical and kindred workers	**65 338**	**52 505**	**12 000**	**2 133**	**3 672**	**6 195**	**439**	**394**
Bank tellers	1 483	1 427	50	28	7	15	–	6
Bookkeepers	7 506	6 505	728	78	192	458	163	110
Cashiers	5 916	5 505	374	20	136	218	20	17
Counter clerks, except food	848	797	36	10	15	11	5	10
Enumerators and interviewers	190	161	29	18	4	7	–	–
File clerks	2 046	1 600	433	77	177	179	8	5
Office machine operators	2 595	2 318	270	33	44	193	7	–
Bookkeeping and billing machine operators	282	243	39	5	5	29	–	–
Keypunch operators	1 460	1 302	151	19	26	106	7	–
Payroll and timekeeping clerks	834	749	85	10	27	48	–	–
Receptionists	1 611	1 387	190	18	95	77	22	12
Secretaries	15 343	12 661	2 479	426	915	1 138	64	139
Stenographers	1 410	631	769	108	333	328	10	–
Telephone operators	2 386	2 170	211	39	76	96	5	–
Typists	7 156	4 910	2 209	277	663	1 269	37	–
Other clerical and kindred workers	16 014	11 684	4 137	991	988	2 158	98	95
Craftsmen and kindred workers	**3 007**	**2 637**	**140**	**18**	**36**	**86**	**193**	**37**
Foremen, n.e.c	679	642	29	–	12	17	8	–
Operatives, except transport	**21 440**	**20 581**	**581**	**126**	**179**	**276**	**223**	**55**
Assemblers	3 663	3 642	21	16	–	5	–	–
Bottling and canning operatives	66	66	–	–	–	–	–	–
Checkers, examiners, and inspectors; manufacturing	1 477	1 461	11	7	4	–	5	–
Dressmakers and seamstresses, except factory	620	490	10	5	–	5	111	9
Laundry and drycleaning operatives, including ironers	1 480	1 269	156	23	65	68	39	16
Graders and sorters, manufacturing	88	88	–	–	–	–	–	–
Packers and wrappers, except produce	2 597	2 576	12	–	–	12	5	4
Sewers and stitchers	1 579	1 516	46	6	11	29	12	5
Textile operatives	311	301	10	5	–	5	–	–
Other specified operatives	4 336	4 161	140	46	13	81	23	12
Miscellaneous and not specified operatives	5 223	5 011	175	18	86	71	28	9
Manufacturing	4 542	4 455	50	18	16	16	28	9
Durable goods	2 428	2 397	22	7	4	11	–	9
Machinery, including electrical	920	909	7	7	–	–	–	4
Other durable goods	1 508	1 488	15	–	4	11	–	5
Nondurable goods, including not specified manufacturing	2 114	2 058	28	11	12	5	28	–
Food and kindred products	504	488	–	–	–	–	16	–
Apparel and other fabricated textile products	106	106	–	–	–	–	–	–
Nonmanufacturing industries	681	556	125	–	70	55	–	–
Transport equipment operatives	**1 185**	**805**	**361**	**9**	**99**	**253**	**14**	**5**
Laborers, except farm	**1 668**	**1 537**	**94**	**6**	**27**	**61**	**32**	**5**
Farmers and farm managers	**130**	**9**	**–**	**–**	**–**	**–**	**121**	**–**
Farm laborers and farm foremen	**369**	**253**	**12**	**7**	**–**	**5**	**–**	**104**
Paid farm laborers and farm foremen	265	253	12	7	–	5	–	–
Unpaid family workers	104	–	–	–	–	–	–	104
Service workers, except private household[1]	**36 086**	**26 055**	**7 846**	**582**	**2 557**	**4 707**	**1 959**	**226**
Cleaning service workers	5 751	4 127	1 541	99	407	1 035	55	28
Chambermaids and maids	1 245	907	313	10	103	200	13	12
Food service workers	14 512	11 895	2 058	128	596	1 334	425	134
Cooks, except private household	2 909	2 166	542	20	137	385	168	33
Waiters and food counter workers	8 400	7 574	618	47	216	355	152	56
Health service workers	7 962	5 571	2 316	257	1 111	948	52	23
Nursing aides, orderlies, and attendants	5 009	3 305	1 671	147	858	666	16	17
Practical nurses	1 649	1 271	342	81	121	140	36	–
Personal service workers	4 670	2 506	838	60	245	533	1 290	36
Hairdressers and cosmetologists	2 588	1 369	12	–	12	–	1 187	20
Private household workers	**3 473**	**3 468**	**–**	**–**	**–**	**–**	**5**	**–**
Private household workers, living in	329	329	–	–	–	–	–	–
Private household workers, living out	3 144	3 139	–	–	–	–	5	–

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

Table 173. **Occupation of Employed Persons by Class of Worker, Race, 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	Total employed	Private wage and salary workers	Government workers				Self-employed workers	Unpaid family workers
			Total	Federal	State	Local		
BUFFALO SMSA—Continued								
Negro								
Male, 16 years old and over	**18 724**	**16 033**	**2 179**	**785**	**532**	**862**	**512**	–
Professional, technical, and kindred workers	**901**	**480**	**359**	**60**	**158**	**141**	**62**	–
Accountants	33	24	9	9	–	–	–	–
Architects	5	5	–	–	–	–	–	–
Computer specialists	6	6	–	–	–	–	–	–
Engineers	47	42	5	–	5	–	–	–
Aeronautical and astronautical	4	4	–	–	–	–	–	–
Civil	11	11	–	–	–	–	–	–
Electrical and electronic	8	8	–	–	–	–	–	–
Mechanical	10	10	–	–	–	–	–	–
Other engineers	14	9	5	–	5	–	–	–
Lawyers and judges	14	3	–	–	–	–	11	–
Life and physical scientists	16	16	–	–	–	–	–	–
Chemists	10	10	–	–	–	–	–	–
Physicians, dentists, and related practitioners	64	28	6	6	–	–	30	–
Dentists	10	–	–	–	–	–	10	–
Pharmacists	13	9	–	–	–	–	4	–
Physicians, medical and osteopathic	41	19	6	6	–	–	16	–
Other related practitioners	–	–	–	–	–	–	–	–
Health technologists and technicians	23	–	23	10	9	4	–	–
Religious workers	44	39	–	–	–	–	5	–
Social scientists	12	6	6	–	6	–	–	–
Social and recreation workers	73	35	38	5	11	22	–	–
Teachers	172	25	147	17	33	97	–	–
College and university	23	–	23	4	19	–	–	–
Elementary and prekindergarten	42	13	29	–	6	23	–	–
Secondary	94	12	82	–	8	74	–	–
Engineering and science technicians	69	69	–	–	–	–	–	–
Draftsmen and surveyors	34	34	–	–	–	–	–	–
Electrical and electronic engineering technicians	14	14	–	–	–	–	–	–
Technicians, except health, and engineering and science	4	4	–	–	–	–	–	–
Airplane pilots	–	–	–	–	–	–	–	–
Writers, artists, and entertainers	77	59	7	3	–	4	11	–
Other professional, technical, and kindred workers	242	119	118	10	94	14	5	–
Managers and administrators, except farm	**423**	**219**	**72**	**11**	**32**	**29**	**132**	–
Buyers, purchasing agents, and sales managers	36	36	–	–	–	–	–	–
School administrators	23	–	23	–	12	11	–	–
Specified managers and administrators, public administration	37	–	37	11	11	15	–	–
Other specified managers and administrators	117	65	–	–	–	–	52	–
Managers and administrators, n.e.c., salaried	130	118	12	–	9	3	–	–
Manufacturing	10	10	–	–	–	–	–	–
Wholesale and retail trade	45	45	–	–	–	–	–	–
Transportation, communications and other public utilities	–	–	–	–	–	–	–	–
All other industries	75	63	12	–	9	3	–	–
Managers and administrators, n.e.c., self-employed	80	–	–	–	–	–	80	–
Construction	13	–	–	–	–	–	13	–
Manufacturing	–	–	–	–	–	–	–	–
Wholesale and retail trade	43	–	–	–	–	–	43	–
All other industries	24	–	–	–	–	–	24	–
Sales workers	**305**	**276**	**8**	**–**	**4**	**4**	**21**	–
Insurance agents, brokers, and underwriters	61	61	–	–	–	–	–	–
Real estate agents and brokers	13	9	4	–	4	–	–	–
Sales representatives, manufacturing industries	17	17	–	–	–	–	–	–
Sales representatives, wholesale trade	25	25	–	–	–	–	–	–
Sales clerks, retail trade	91	66	4	–	–	4	21	–
Salesmen, retail trade	15	15	–	–	–	–	–	–
Salesmen of services and construction	7	7	–	–	–	–	–	–
Other sales workers	76	76	–	–	–	–	–	–
Clerical and kindred workers	**990**	**597**	**387**	**262**	**45**	**80**	**6**	–
Bank tellers and cashiers	28	16	12	6	6	–	–	–
Bookkeepers and billing clerks	22	10	12	6	–	6	–	–
Mail handlers and postal clerks	210	11	199	199	–	–	–	–
Other clerical and kindred workers	730	560	164	51	39	74	6	–
Craftsmen and kindred workers	**3 272**	**3 001**	**199**	**84**	**29**	**86**	**72**	–
Apparel craftsmen and upholsterers	14	11	–	–	–	–	3	–
Bakers	38	38	–	–	–	–	–	–
Cabinetmakers	5	5	–	–	–	–	–	–
Construction craftsmen	528	465	44	18	6	20	19	–
Carpenters	69	65	–	–	–	–	4	–
Excavating, grading, and road machine operators	61	56	5	–	–	5	–	–
Electricians	52	32	14	14	–	–	6	–
Masons and tile setters	146	142	4	4	–	–	–	–
Painters, construction and maintenance, and paperhangers	75	55	11	–	6	5	9	–
Plasterers and cement finishers	52	52	–	–	–	–	–	–
Plumbers and pipe fitters	46	36	10	–	–	10	–	–
Other construction craftsmen	27	27	–	–	–	–	–	–
Foremen, n.e.c	261	246	15	10	5	–	–	–
Manufacturing	209	204	5	–	5	–	–	–
Nonmanufacturing industries	52	42	10	10	–	–	–	–
Linemen and servicemen, telephone and power	50	42	8	–	8	–	–	–
Locomotive engineers and firemen	25	25	–	–	–	–	–	–
Mechanics and repairmen	623	544	47	22	5	20	32	–
Air conditioning, heating, and refrigeration	15	15	–	–	–	–	–	–
Aircraft	5	5	–	–	–	–	–	–
Automobile, including body	333	295	10	–	5	5	28	–
Radio and television	10	10	–	–	–	–	–	–
Other mechanics and repairmen	260	219	37	22	–	15	4	–
Metal craftsmen, except mechanics	693	693	–	–	–	–	–	–
Machinists and job and die setters	143	143	–	–	–	–	–	–
Sheetmetal workers and tinsmiths	16	16	–	–	–	–	–	–
Tool and die makers	41	41	–	–	–	–	–	–
Other metal craftsmen	493	493	–	–	–	–	–	–
Printing craftsmen	87	87	–	–	–	–	–	–
Compositors and typesetters	38	38	–	–	–	–	–	–
Pressmen and plate printers, printing	45	45	–	–	–	–	–	–
Stationary engineers and power station operators	72	52	20	9	–	11	–	–
Other craftsmen and kindred workers	876	793	65	25	5	35	18	–

Table 173. **Occupation of Employed Persons by Class of Worker, Race, 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	Total employed	Private wage and salary workers	Government workers				Self-employed workers	Unpaid family workers
			Total	Federal	State	Local		
BUFFALO SMSA—Continued								
Negro—Continued								
Male, 16 years old and over—Continued								
Operatives, except transport	**6 061**	**5 818**	**208**	**59**	**23**	**126**	**35**	-
Assemblers	676	659	17	6	-	11	-	-
Checkers, examiners, and inspectors; manufacturing	261	245	16	-	-	16	-	-
Garage workers and gas station attendants	173	167	6	-	-	6	-	-
Laundry and drycleaning operatives, n.e.c	59	44	12	6	6	-	3	-
Meat cutters and butchers	70	65	-	-	-	-	5	-
Mine operatives, n.e.c	3	3	-	-	-	-	-	-
Packers and wrappers, except produce	145	145	-	-	-	-	-	-
Painters, manufactured articles	61	61	-	-	-	-	-	-
Precision machine operatives	331	317	14	-	5	9	-	-
Sawyers	16	16	-	-	-	-	-	-
Stationary firemen	97	85	12	-	-	12	-	-
Textile operatives	11	11	-	-	-	-	-	-
Welders and flamecutters	233	225	8	-	4	4	-	-
Other metalworking operatives	719	683	26	19	-	7	10	-
Other specified operatives	1 058	1 029	17	-	5	12	12	-
Miscellaneous and not specified operatives	2 148	2 063	80	28	3	49	5	-
Occupation:								
Machine operatives, miscellaneous specified	824	810	14	7	-	7	-	-
Machine operatives, not specified	659	624	35	16	3	16	-	-
Miscellaneous operatives	396	360	31	5	-	26	5	-
Not specified operatives	269	269	-	-	-	-	-	-
Industry:								
Manufacturing	1 975	1 927	48	24	3	21	-	-
Durable goods	1 560	1 522	38	24	-	14	-	-
Wood products, including furniture	10	10	-	-	-	-	-	-
Primary metal industries	673	663	10	-	-	10	-	-
Fabricated metal industries	137	137	-	-	-	-	-	-
Machinery, including electrical	215	203	12	12	-	-	-	-
Motor vehicles and equipment	338	325	13	9	-	4	-	-
Transportation equipment, except motor vehicles	31	31	-	-	-	-	-	-
Other durable goods	156	153	3	3	-	-	-	-
Nondurable goods	410	400	10	-	3	7	-	-
Food and kindred products	75	75	-	-	-	-	-	-
Apparel and other fabricated textile products	8	8	-	-	-	-	-	-
Paper and allied products	36	36	-	-	-	-	-	-
Chemicals and allied products	187	180	7	-	-	7	-	-
Other nondurable goods	104	101	3	-	3	-	-	-
Not specified manufacturing industries	5	5	-	-	-	-	-	-
Nonmanufacturing industries	173	136	32	4	-	28	5	-
Transportation, communications, and other public utilities	5	5	-	-	-	-	-	-
Wholesale and retail trade	97	92	-	-	-	-	5	-
All other industries	71	39	32	4	-	28	-	-
Transport equipment operatives	**1 340**	**1 236**	**57**	**22**	**7**	**28**	**47**	-
Bus drivers	89	85	4	-	-	4	-	-
Taxicab drivers and chauffeurs	110	94	-	-	-	-	16	-
Truck drivers and deliverymen	681	611	46	18	7	21	24	-
Other transport equipment operatives	460	446	7	4	-	3	7	-
Laborers, except farm	**2 895**	**2 603**	**271**	**103**	**29**	**139**	**21**	-
Construction laborers	335	310	25	-	4	21	-	-
Freight, stock, and material handlers	739	613	122	52	7	63	4	-
Other specified laborers	659	547	95	51	14	30	17	-
Miscellaneous and not specified laborers	1 162	1 133	29	-	4	25	-	-
Occupation:								
Miscellaneous laborers	629	614	15	-	4	11	-	-
Not specified laborers	533	519	14	-	-	14	-	-
Industry:								
Manufacturing	1 024	1 015	9	-	4	5	-	-
Durable goods	929	920	9	-	4	5	-	-
Wood products, including furniture	-	-	-	-	-	-	-	-
Metal industries	631	626	5	-	-	5	-	-
Machinery, including electrical	58	58	-	-	-	-	-	-
Transportation equipment	201	201	-	-	-	-	-	-
Other durable goods	39	35	4	-	4	-	-	-
Nondurable goods	87	87	-	-	-	-	-	-
Food and kindred products	25	25	-	-	-	-	-	-
Not specified manufacturing industries	8	8	-	-	-	-	-	-
Nonmanufacturing industries	138	118	20	-	-	20	-	-
Railroads and railway express service	20	15	5	-	-	5	-	-
Transportation, except railroads	8	8	-	-	-	-	-	-
Communications, and utilities and sanitary services	10	5	5	-	-	5	-	-
Wholesale and retail trade	71	71	-	-	-	-	-	-
All other industries	29	19	10	-	-	10	-	-
Farmers and farm managers	**33**	-	-	-	-	-	**33**	-
Farm laborers and farm foremen	**52**	**46**	-	-	-	-	**6**	-
Paid farm laborers and farm foremen	52	46	-	-	-	-	6	-
Unpaid family workers	-	-	-	-	-	-	-	-
Service workers, except private household[1]	**2 436**	**1 741**	**618**	**184**	**205**	**229**	**77**	-
Cleaning service workers	1 213	993	207	88	62	57	13	-
Food service workers	412	323	78	36	37	5	11	-
Cooks, except private household	198	149	38	22	16	-	11	-
Busboys and dishwashers	78	63	15	-	15	-	-	-
Health service workers	206	47	151	44	73	34	8	-
Personal service workers	184	106	33	8	5	20	45	-
Protective service workers	200	113	87	-	9	78	-	-
Firemen, fire protection	-	-	-	-	-	-	-	-
Guards and watchmen	121	101	20	-	6	14	-	-
Policemen and detectives	73	12	61	-	3	58	-	-
Private household workers	**16**	**16**	-	-	-	-	-	-

[1]Includes allocated cases not shown separately.

Table 173. Occupation of Employed Persons by Class of Worker, Race, 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	Total employed	Private wage and salary workers	Government workers				Self-employed workers	Unpaid family workers
			Total	Federal	State	Local		
BUFFALO SMSA—Continued								
Negro—Continued								
Female, 16 years old and over	**14 239**	**10 297**	**3 643**	**876**	**1 162**	**1 605**	**285**	**14**
Professional, technical, and kindred workers	**1 634**	**632**	**981**	**181**	**210**	**590**	**21**	**–**
Accountants	43	33	10	10	–	–	–	–
Computer specialists	9	9	–	–	–	–	–	–
Librarians	16	5	11	–	–	11	–	–
Mathematical specialists	5	5	–	–	–	–	–	–
Life and physical scientists	5	–	5	–	5	–	–	–
Registered nurses, dietitians, and therapists	293	183	99	14	37	48	11	–
Dietitians	41	24	17	–	–	17	–	–
Registered nurses	241	151	79	14	34	31	11	–
Health technologists and technicians	188	130	58	9	27	22	–	–
Social scientists	8	–	8	–	8	–	–	–
Social and recreation workers	170	48	122	31	14	77	–	–
Teachers: College and university	54	16	38	5	28	5	–	–
Elementary and prekindergarten	349	80	269	31	24	214	–	–
Secondary	138	9	129	15	12	102	–	–
Other teachers	82	10	67	28	8	31	5	–
Engineering and science technicians	34	25	9	–	9	–	–	–
Technicians, except health, and engineering and science	8	3	5	–	–	5	–	–
Writers, artists, and entertainers	32	11	16	–	5	11	5	–
Actors and dancers	–	–	–	–	–	–	–	–
Authors, editors, and reporters	–	–	–	–	–	–	–	–
Other professional, technical, and kindred workers	200	65	135	38	33	64	–	–
Managers and administrators, except farm	**228**	**127**	**49**	**10**	**15**	**24**	**47**	**5**
Buyers, purchasing agents, and sales managers	43	43	–	–	–	–	–	–
Restaurant, cafeteria, and bar managers	31	17	–	–	–	–	14	–
School administrators	11	–	11	–	11	–	–	–
Other specified managers and administrators	49	11	38	10	4	24	–	–
Managers and administrators, n.e.c., salaried	56	56	–	–	–	–	–	–
Wholesale and retail trade	37	37	–	–	–	–	–	–
Managers and administrators, n.e.c., self-employed	38	–	–	–	–	–	33	5
Wholesale and retail trade	28	–	–	–	–	–	23	5
Sales workers	**474**	**405**	**17**	**–**	**8**	**9**	**52**	**–**
Demonstrators, hucksters, and peddlers	–	–	–	–	–	–	–	–
Insurance, real estate agents, and brokers	4	4	–	–	–	–	–	–
Sales clerks, retail trade	371	310	15	–	6	9	46	–
Salesmen, retail trade	15	15	–	–	–	–	–	–
Other sales workers	84	76	2	–	2	–	6	–
Clerical and kindred workers	**2 659**	**1 662**	**989**	**330**	**243**	**416**	**8**	**–**
Bank tellers	28	28	–	–	–	–	–	–
Bookkeepers	121	98	23	5	–	18	–	–
Cashiers	185	179	6	–	–	6	–	–
Counter clerks, except food	49	44	5	5	–	–	–	–
Enumerators and interviewers	11	5	6	6	–	–	–	–
File clerks	123	82	41	13	17	11	–	–
Office machine operators	124	114	10	–	–	10	–	–
Bookkeeping and billing machine operators	5	–	5	–	–	5	–	–
Keypunch operators	104	99	5	–	–	5	–	–
Payroll and timekeeping clerks	35	30	5	–	5	–	–	–
Receptionists	62	62	–	–	–	–	–	–
Secretaries	344	201	143	49	41	53	–	–
Stenographers	48	9	39	20	4	15	–	–
Telephone operators	172	163	9	5	–	4	–	–
Typists	316	174	142	25	62	55	–	–
Other clerical and kindred workers	1 041	473	560	202	114	244	8	–
Craftsmen and kindred workers	**246**	**235**	**11**	**6**	**5**	**–**	**–**	**–**
Foremen, n.e.c.	45	45	–	–	–	–	–	–
Operatives, except transport	**2 867**	**2 712**	**135**	**56**	**41**	**38**	**20**	**–**
Assemblers	373	365	8	8	–	–	–	–
Bottling and canning operatives	14	14	–	–	–	–	–	–
Checkers, examiners, and inspectors, manufacturing	134	134	–	–	–	–	–	–
Dressmakers and seamstresses, except factory	61	51	5	5	–	–	5	–
Laundry and drycleaning operatives, including ironers	459	434	22	5	6	11	3	–
Graders and sorters, manufacturing	17	17	–	–	–	–	–	–
Packers and wrappers, except produce	244	244	–	–	–	–	–	–
Sewers and stitchers	297	279	6	6	–	–	12	–
Textile operatives	11	11	–	–	–	–	–	–
Other specified operatives	604	560	44	14	8	22	–	–
Miscellaneous and not specified operatives	653	603	50	18	27	5	–	–
Manufacturing	550	523	27	18	9	–	–	–
Durable goods	303	292	11	7	4	–	–	–
Machinery, including electrical	149	142	7	7	–	–	–	–
Other durable goods	154	150	4	–	4	–	–	–
Nondurable goods, including not specified manufacturing	247	231	16	11	5	–	–	–
Food and kindred products	55	55	–	–	–	–	–	–
Apparel and other fabricated textile products	23	23	–	–	–	–	–	–
Nonmanufacturing industries	103	80	23	–	18	5	–	–
Transport equipment operatives	**41**	**34**	**7**	**–**	**7**	**–**	**–**	**–**
Laborers, except farm	**169**	**152**	**17**	**–**	**–**	**17**	**–**	**–**
Farmers and farm managers	**25**	**–**	**–**	**–**	**–**	**–**	**25**	**–**
Farm laborers and farm foremen	**78**	**61**	**12**	**7**	**–**	**5**	**–**	**5**
Paid farm laborers and farm foremen	73	61	12	7	–	5	–	–
Unpaid family workers	5	–	–	–	–	–	–	5
Service workers, except private household[1]	**4 795**	**3 254**	**1 425**	**286**	**633**	**506**	**112**	**4**
Cleaning service workers	918	737	181	35	74	72	–	–
Chambermaids and maids	264	225	39	5	20	14	–	–
Food service workers	1 001	792	194	62	54	78	11	4
Cooks, except private household	330	304	22	10	–	12	–	4
Waiters and food counter workers	340	285	44	19	15	10	11	–
Health service workers	2 007	1 282	714	146	376	192	11	–
Nursing aides, orderlies, and attendants	1 581	1 064	517	106	300	111	–	–
Practical nurses	273	135	127	31	58	38	11	–
Personal service workers	348	127	158	39	57	62	63	–
Hairdressers and cosmetologists	91	25	7	–	7	–	59	–
Private household workers	**1 023**	**1 023**	**–**	**–**	**–**	**–**	**–**	**–**
Private household workers, living in	5	5	–	–	–	–	–	–
Private household workers, living out	1 018	1 018	–	–	–	–	–	–

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

Table 173. **Occupation of Employed Persons by Class of Worker, Race, 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	Total employed	Private wage and salary workers	Government workers				Self-employed workers	Unpaid family workers
			Total	Federal	State	Local		
NEW YORK SMSA								
Total								
Male, 16 years old and over	**2 808 504**	**2 133 249**	**447 886**	**114 854**	**50 851**	**282 181**	**225 005**	**2 364**
Professional, technical, and kindred workers	**472 624**	**290 212**	**108 071**	**15 519**	**16 295**	**76 257**	**74 095**	**246**
Accountants	49 149	35 419	5 763	2 868	1 248	1 647	7 935	32
Architects	4 781	2 910	505	81	153	271	1 366	-
Computer specialists	15 078	14 203	790	325	131	334	85	-
Engineers	53 975	46 145	6 014	1 773	1 124	3 117	1 816	-
Aeronautical and astronautical	4 097	3 946	151	136	6	9	-	-
Civil	9 048	5 697	2 988	370	689	1 929	363	-
Electrical and electronic	14 926	13 900	870	333	111	426	156	-
Mechanical	6 770	5 994	627	223	63	341	149	-
Other engineers	19 134	16 608	1 378	711	255	412	1 148	-
Lawyers and judges	31 843	11 209	3 738	1 040	955	1 743	16 896	-
Life and physical scientists	6 610	5 121	1 340	708	201	431	149	-
Chemists	4 291	3 649	584	268	106	210	58	-
Physicians, dentists, and related practitioners	43 756	14 015	4 906	837	1 171	2 898	24 825	10
Dentists	8 804	862	248	70	43	135	7 694	-
Pharmacists	6 956	5 076	376	67	55	254	1 504	-
Physicians, medical and osteopathic	25 178	7 461	4 250	690	1 066	2 494	13 457	10
Other related practitioners	2 818	616	32	10	7	15	2 170	-
Health technologists and technicians	5 795	3 802	1 787	443	301	1 043	202	4
Religious workers	8 319	7 521	64	19	24	21	734	-
Social scientists	8 789	6 376	1 668	459	418	791	735	10
Social and recreation workers	11 743	2 867	8 785	515	1 261	7 009	86	5
Teachers	72 901	20 967	50 528	578	4 759	45 191	1 400	6
College and university	15 908	8 967	6 941	136	2 204	4 601	-	-
Elementary and prekindergarten	16 984	3 357	13 627	136	838	12 653	-	-
Secondary	35 013	5 641	29 372	203	1 565	27 604	-	-
Engineering and science technicians	28 221	25 166	2 601	984	442	1 175	442	12
Draftsmen and surveyors	13 829	12 438	1 096	214	162	720	289	6
Electrical and electronic engineering technicians	7 960	7 294	613	453	69	91	53	-
Technicians, except health, and engineering and science	5 990	3 863	2 055	1 423	114	518	72	-
Airplane pilots	1 811	1 700	105	60	35	10	6	-
Writers, artists, and entertainers	62 948	48 409	2 266	984	378	904	12 176	97
Other professional, technical, and kindred workers	62 726	42 219	15 261	2 482	3 615	9 164	5 176	70
Managers and administrators, except farm	**352 815**	**283 151**	**31 390**	**9 856**	**4 536**	**16 998**	**37 911**	**363**
Buyers, purchasing agents, and sales managers	47 655	43 501	965	498	133	334	3 169	20
School administrators	7 578	2 011	5 462	25	363	5 074	105	-
Specified managers and administrators, public administration	15 387	-	15 387	7 930	2 182	5 275	-	-
Other specified managers and administrators	75 456	63 678	4 204	812	1 125	2 267	7 457	117
Managers and administrators, n.e.c., salaried	179 333	173 961	5 372	591	733	4 048	-	-
Manufacturing	50 487	50 374	113	60	9	44	-	-
Wholesale and retail trade	50 494	50 261	233	72	32	129	-	-
Transportation, communications and other public utilities	17 879	16 391	1 488	62	257	1 169	-	-
All other industries	60 473	56 935	3 538	397	435	2 706	-	-
Managers and administrators, n.e.c., self-employed	27 406	-	-	-	-	-	27 180	226
Construction	2 895	-	-	-	-	-	2 877	18
Manufacturing	3 505	-	-	-	-	-	3 459	46
Wholesale and retail trade	13 123	-	-	-	-	-	13 060	63
All other industries	7 883	-	-	-	-	-	7 784	99
Sales workers	**250 508**	**215 160**	**2 349**	**546**	**418**	**1 385**	**32 486**	**513**
Insurance agents, brokers, and underwriters	21 208	18 102	178	37	75	66	2 928	-
Real estate agents and brokers	8 669	5 772	140	16	6	118	2 749	8
Sales representatives, manufacturing industries	35 065	33 216	48	13	16	19	1 792	9
Sales representatives, wholesale trade	42 017	36 405	94	34	15	45	5 473	45
Sales clerks, retail trade	71 255	59 034	400	110	49	241	11 508	313
Salesmen, retail trade	17 226	15 395	46	16	4	26	1 768	17
Salesmen of services and construction	11 816	10 284	737	127	138	472	759	36
Other sales workers	43 252	36 952	706	193	115	398	5 509	85
Clerical and kindred workers	**357 274**	**263 470**	**89 717**	**62 181**	**5 898**	**21 638**	**3 837**	**250**
Bank tellers and cashiers	17 160	15 088	1 858	294	435	1 129	179	35
Bookkeepers and billing clerks	32 159	28 345	2 882	1 175	351	1 356	901	31
Mail handlers and postal clerks	54 198	9 474	44 682	44 163	200	319	33	9
Other clerical and kindred workers	253 757	210 563	40 295	16 549	4 912	18 834	2 724	175
Craftsmen and kindred workers	**481 701**	**405 885**	**38 646**	**6 691**	**5 564**	**26 391**	**36 924**	**246**
Apparel craftsmen and upholsterers	14 421	12 269	165	51	61	53	1 961	6
Bakers	8 511	7 785	131	35	14	82	595	-
Cabinetmakers	3 925	3 189	106	19	7	80	630	-
Construction craftsmen	113 888	90 079	9 413	1 309	1 689	6 415	14 343	53
Carpenters	31 190	25 111	1 576	216	322	1 038	4 470	33
Excavating, grading, and road machine operators	4 939	3 584	1 147	51	164	932	208	-
Electricians	22 395	18 521	2 832	486	473	1 873	1 037	5
Masons and tile setters	8 364	7 041	341	67	60	214	978	4
Painters, construction and maintenance, and paperhangers	18 714	12 071	1 646	215	371	1 060	4 986	11
Plasterers and cement finishers	4 047	3 628	229	11	31	187	190	-
Plumbers and pipe fitters	17 833	14 639	1 434	230	268	936	1 760	-
Other construction craftsmen	6 406	5 484	208	33	-	175	714	-
Foremen, n.e.c	64 325	56 970	6 363	1 261	619	4 483	960	32
Manufacturing	29 994	29 356	208	108	22	78	411	19
Nonmanufacturing industries	34 331	27 614	6 155	1 153	597	4 405	549	13
Linemen and servicemen, telephone and power	27 267	26 573	662	97	149	416	32	-
Locomotive engineers and firemen	1 278	851	421	10	203	208	6	-
Mechanics and repairmen	108 179	90 128	11 104	1 780	1 379	7 945	6 861	86
Air conditioning, heating, and refrigeration	7 976	7 142	309	115	47	147	525	-
Aircraft	8 013	7 683	326	233	37	56	4	-
Automobile, including body	38 884	31 458	4 072	495	385	3 192	3 322	32
Radio and television	7 116	5 210	521	178	93	250	1 365	20
Other mechanics and repairmen	46 190	38 635	5 876	759	817	4 300	1 645	34
Metal craftsmen, except mechanics	28 699	26 538	1 454	373	258	823	702	5
Machinists and job and die setters	12 937	11 981	746	173	144	429	210	-
Sheetmetal workers and tinsmiths	5 221	4 827	251	65	63	123	138	5
Tool and die makers	5 670	5 410	99	63	11	25	161	-
Other metal craftsmen	4 871	4 320	358	72	40	246	193	-
Printing craftsmen	30 862	29 492	641	288	51	302	708	21
Compositors and typesetters	12 837	12 215	233	104	22	107	368	21
Pressmen and plate printers, printing	13 283	12 752	326	169	13	144	205	-
Stationary engineers and power station operators	6 595	4 505	2 068	184	336	1 548	22	-
Other craftsmen and kindred workers	73 751	57 486	6 118	1 284	798	4 036	10 104	43

Table 173. **Occupation of Employed Persons by Class of Worker, Race, 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	Total employed	Private wage and salary workers	Government workers				Self-employed workers	Unpaid family workers
			Total	Federal	State	Local		
NEW YORK SMSA—Continued								
Total—Continued								
Male, 16 years old and over—Continued								
Operatives, except transport	**242 133**	**223 015**	**9 866**	**2 604**	**1 427**	**5 835**	**9 114**	**138**
Assemblers	14 431	14 023	278	145	46	87	126	4
Checkers, examiners, and inspectors, manufacturing	9 641	9 102	516	183	67	266	23	–
Garage workers and gas station attendants	8 631	7 960	181	41	18	122	464	26
Laundry and drycleaning operatives, n.e.c	6 546	4 580	495	59	256	180	1 442	29
Meat cutters and butchers	16 184	13 769	217	58	29	130	2 189	9
Mine operatives, n.e.c	256	236	11	–	–	11	9	–
Packers and wrappers, except produce	13 952	13 547	286	116	27	143	119	–
Painters, manufactured articles	3 095	2 940	84	33	5	46	68	3
Precision machine operatives	5 957	5 636	91	24	12	55	230	–
Sawyers	766	712	37	5	4	28	17	–
Stationary firemen	3 851	1 814	2 023	155	176	1 692	14	–
Textile operatives	4 601	4 462	70	19	6	45	69	–
Welders and flamecutters	9 145	8 407	541	141	89	311	197	–
Other metalworking operatives	9 000	8 595	187	83	12	92	214	4
Other specified operatives	75 659	70 378	2 472	795	357	1 320	2 767	42
Miscellaneous and not specified operatives	60 418	56 854	2 377	747	323	1 307	1 166	21
Occupation:								
Machine operatives, miscellaneous specified	17 640	16 834	433	209	25	199	368	5
Machine operatives, not specified	16 125	15 500	527	166	80	281	98	–
Miscellaneous operatives	19 369	17 718	1 087	264	178	645	554	10
Not specified operatives	7 284	6 802	330	108	40	182	146	6
Industry:								
Manufacturing	46 536	45 229	661	327	48	286	641	5
Durable goods	24 722	23 923	416	234	24	158	378	5
Wood products, including furniture	1 645	1 599	25	17	–	8	21	–
Primary metal industries	2 375	2 340	27	10	5	12	8	–
Fabricated metal industries	3 694	3 636	50	25	–	25	8	–
Machinery, including electrical	6 565	6 426	109	60	7	42	30	–
Motor vehicles and equipment	558	548	10	–	–	10	–	–
Transportation equipment, except motor vehicles	1 356	1 243	102	84	5	13	6	5
Other durable goods	8 529	8 131	93	38	7	48	305	–
Nondurable goods	20 397	19 928	206	73	19	114	263	–
Food and kindred products	3 933	3 812	56	18	9	29	65	–
Apparel and other fabricated textile products	2 986	2 925	16	–	–	16	45	–
Paper and allied products	3 816	3 779	28	23	–	5	9	–
Chemicals and allied products	2 288	2 267	11	11	–	–	10	–
Other nondurable goods	7 374	7 145	95	21	10	64	134	–
Not specified manufacturing industries	1 417	1 378	39	20	5	14	–	–
Nonmanufacturing industries	13 882	11 625	1 716	420	275	1 021	525	16
Transportation, communications, and other public utilities	3 787	3 160	618	24	120	474	9	–
Wholesale and retail trade	4 450	4 212	70	35	4	31	168	–
All other industries	5 645	4 253	1 028	361	151	516	348	16
Transport equipment operatives	**164 583**	**127 405**	**25 591**	**2 472**	**2 280**	**20 839**	**11 509**	**78**
Bus drivers	16 623	7 874	8 607	37	747	7 823	138	4
Taxicab drivers and chauffeurs	33 371	25 668	1 824	322	234	1 268	5 862	17
Truck drivers and deliverymen	85 544	73 950	6 974	1 604	490	4 880	4 583	37
Other transport equipment operatives	29 045	19 913	8 186	509	809	6 868	926	20
Laborers, except farm	**144 314**	**108 227**	**31 328**	**7 781**	**2 293**	**21 254**	**4 606**	**153**
Construction laborers	23 701	20 147	3 457	66	463	2 928	50	47
Freight, stock, and material handlers	67 808	52 606	14 547	5 907	382	8 258	625	30
Other specified laborers	36 216	24 050	8 739	1 447	927	6 365	3 383	44
Miscellaneous and not specified laborers	16 589	11 424	4 585	361	521	3 703	548	32
Occupation:								
Miscellaneous laborers	5 139	2 551	2 357	85	260	2 012	231	–
Not specified laborers	11 450	8 873	2 228	276	261	1 691	317	32
Industry:								
Manufacturing	3 435	3 249	125	39	36	50	61	–
Durable goods	1 841	1 710	91	34	25	32	40	–
Wood products, including furniture	150	150	–	–	–	–	–	–
Metal industries	613	582	12	–	–	12	19	–
Machinery, including electrical	272	267	–	–	–	–	5	–
Transportation equipment	276	205	71	28	23	20	–	–
Other durable goods	530	506	8	6	2	–	16	–
Nondurable goods	1 460	1 405	34	5	11	18	21	–
Food and kindred products	389	384	–	–	–	–	5	–
Not specified manufacturing industries	134	134	–	–	–	–	–	–
Nonmanufacturing industries	13 154	8 175	4 460	322	485	3 653	487	32
Railroads and railway express service	835	522	313	11	183	119	–	–
Transportation, except railroads	2 130	833	1 262	9	104	1 149	28	7
Communications, and utilities and sanitary services	1 814	507	1 283	13	15	1 255	24	–
Wholesale and retail trade	2 359	2 109	26	8	13	5	219	5
All other industries	6 016	4 204	1 576	281	170	1 125	216	20
Farmers and farm managers	**2 334**	**488**	**34**	**7**	**5**	**22**	**1 812**	–
Farm laborers and farm foremen	**3 099**	**2 771**	**193**	**39**	**40**	**114**	**73**	**62**
Paid farm laborers and farm foremen	3 037	2 771	193	39	40	114	73	–
Unpaid family workers	62	–	–	–	–	–	–	62
Service workers, except private household[1]	**334 162**	**210 609**	**110 695**	**7 158**	**12 095**	**91 442**	**12 543**	**315**
Cleaning service workers	81 678	57 018	22 798	2 270	3 344	17 184	1 790	72
Food service workers	82 233	74 828	3 488	696	1 055	1 737	3 754	163
Cooks, except private household	28 502	24 965	1 704	346	552	806	1 762	71
Busboys and dishwashers	9 168	8 794	338	45	67	226	36	–
Health service workers	11 248	4 709	6 463	693	3 770	2 000	70	6
Personal service workers	39 952	31 494	2 804	489	426	1 889	5 608	46
Protective service workers	90 032	19 373	70 464	2 361	2 871	65 232	179	16
Firemen, fire protection	14 378	102	14 276	52	49	14 175	–	–
Guards and watchmen	25 866	17 706	8 065	1 165	1 441	5 459	79	16
Policemen and detectives	47 791	1 498	46 197	1 072	1 080	44 045	96	–
Private household workers	**2 957**	**2 856**	**6**	–	–	**6**	**95**	–

[1]Includes allocated cases not shown separately.

Table 173. **Occupation of Employed Persons by Class of Worker, Race, 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	Total employed	Private wage and salary workers	Government workers				Self-employed workers	Unpaid family workers
			Total	Federal	State	Local		
NEW YORK SMSA—Continued								
Total—Continued								
Female, 16 years old and over	**1 798 596**	**1 431 044**	**315 899**	**41 916**	**48 163**	**225 820**	**43 091**	**8 562**
Professional, technical, and kindred workers	**305 275**	**159 888**	**129 630**	**5 964**	**14 075**	**109 591**	**15 109**	**648**
Accountants	9 903	7 963	1 613	549	295	769	273	54
Computer specialists	4 925	4 625	274	72	68	134	26	–
Librarians	5 256	2 181	3 038	93	273	2 672	7	30
Mathematical specialists	1 450	1 297	143	55	26	62	6	4
Life and physical scientists	1 957	1 482	445	97	71	277	30	–
Registered nurses, dietitians, and therapists	54 338	38 351	13 741	1 383	3 301	9 057	2 099	147
Dietitians	2 345	1 525	786	100	94	592	29	5
Registered nurses	48 730	35 153	11 542	1 192	2 518	7 832	1 909	126
Health technologists and technicians	9 558	7 654	1 858	304	384	1 170	29	17
Social scientists	2 858	1 616	931	159	162	610	302	9
Social and recreation workers	16 036	5 963	9 923	620	1 052	8 251	100	50
Teachers: College and university	7 774	4 008	3 766	32	1 049	2 685	–	–
Elementary and prekindergarten	69 599	17 291	52 215	537	2 845	48 833	65	28
Secondary	29 313	6 100	23 213	183	1 170	21 860	–	–
Other teachers	6 554	3 111	1 270	124	391	755	2 149	24
Engineering and science technicians	3 473	3 053	394	98	70	226	26	–
Technicians, except health, and engineering and science	458	308	132	38	33	61	18	–
Writers, artists, and entertainers	32 703	25 543	1 239	479	176	584	5 803	118
Actors and dancers	1 778	1 623	43	11	5	27	112	–
Authors, editors, and reporters	11 508	9 607	216	127	33	56	1 649	36
Other professional, technical, and kindred workers	49 120	29 342	15 435	1 141	2 709	11 585	4 176	167
Managers and administrators, except farm	**66 734**	**52 011**	**8 987**	**1 689**	**1 111**	**6 187**	**5 061**	**675**
Buyers, purchasing agents, and sales managers	11 246	10 454	311	110	35	166	429	52
Restaurant, cafeteria, and bar managers	2 854	1 697	476	19	23	434	612	69
School administrators	3 788	1 616	2 147	30	187	1 930	25	–
Other specified managers and administrators	15 456	10 521	4 153	1 310	651	2 192	649	133
Managers and administrators, n.e.c., salaried	29 623	27 723	1 900	220	215	1 465	–	–
Wholesale and retail trade	6 666	6 616	50	31	4	15	–	–
Managers and administrators, n.e.c., self-employed	3 767	–	–	–	–	–	3 346	421
Wholesale and retail trade	1 947	–	–	–	–	–	1 732	215
Sales workers	**117 115**	**107 152**	**1 452**	**259**	**311**	**882**	**6 607**	**1 904**
Demonstrators, hucksters, and peddlers	1 705	1 496	9	–	–	9	195	5
Insurance, real estate agents, and brokers	7 220	5 925	188	16	82	90	1 090	17
Sales clerks, retail trade	76 958	71 423	440	82	80	278	3 626	1 469
Salesmen, retail trade	2 795	2 492	5	5	–	–	179	119
Other sales workers	28 437	25 816	810	156	149	505	1 517	294
Clerical and kindred workers	**792 728**	**666 473**	**118 901**	**29 086**	**17 618**	**72 197**	**4 143**	**3 211**
Bank tellers	13 934	13 246	688	360	147	181	–	–
Bookkeepers	90 189	83 602	4 952	1 054	737	3 161	881	754
Cashiers	35 227	32 788	1 961	165	493	1 303	251	227
Counter clerks, except food	7 684	7 371	94	17	35	42	137	82
Enumerators and interviewers	1 781	875	839	548	35	256	60	7
File clerks	36 251	30 351	5 811	1 088	1 030	3 693	55	34
Office machine operators	31 747	29 198	2 453	784	359	1 310	72	24
Bookkeeping and billing machine operators	4 625	4 311	308	77	22	209	–	6
Keypunch operators	19 018	17 443	1 523	557	224	742	47	5
Payroll and timekeeping clerks	6 458	5 075	1 383	223	142	1 018	–	–
Receptionists	20 354	18 121	2 011	392	355	1 264	69	153
Secretaries	217 206	191 707	23 748	5 428	3 827	14 493	620	1 131
Stenographers	7 614	3 799	3 682	507	1 097	2 078	121	12
Telephone operators	31 976	29 446	2 484	362	468	1 654	31	15
Typists	85 141	67 253	17 137	3 591	3 019	10 527	591	160
Other clerical and kindred workers	207 166	153 641	51 658	14 567	5 874	31 217	1 255	612
Craftsmen and kindred workers	**25 158**	**22 301**	**1 187**	**190**	**207**	**790**	**1 480**	**190**
Foremen, n.e.c.	8 958	8 409	443	66	103	274	71	35
Operatives, except transport	**213 390**	**206 069**	**3 658**	**890**	**934**	**1 834**	**3 081**	**582**
Assemblers	13 059	12 788	223	73	55	95	38	10
Bottling and canning operatives	294	291	3	3	–	–	–	–
Checkers, examiners, and inspectors; manufacturing	7 367	7 252	95	20	23	52	9	11
Dressmakers and seamstresses, except factory	5 691	4 201	114	19	36	59	1 308	68
Laundry and drycleaning operatives, including ironers	10 314	8 934	701	54	322	325	442	237
Graders and sorters, manufacturing	656	652	–	–	–	–	–	4
Packers and wrappers, except produce	18 933	18 738	157	31	40	86	38	–
Sewers and stitchers	82 749	81 620	694	152	154	388	341	94
Textile operatives	3 826	3 766	40	6	4	30	20	–
Other specified operatives	37 364	35 683	974	324	188	462	585	122
Miscellaneous and not specified operatives	33 137	32 144	657	208	112	337	300	36
Manufacturing	29 336	28 760	347	148	34	165	203	26
Durable goods	11 918	11 578	199	91	18	90	131	10
Machinery, including electrical	4 047	3 968	79	56	7	16	–	–
Other durable goods	7 871	7 610	120	35	11	74	131	10
Nondurable goods, including not specified manufacturing	17 418	17 182	148	57	16	75	72	16
Food and kindred products	1 036	1 022	9	–	–	9	5	–
Apparel and other fabricated textile products	7 570	7 483	43	21	11	11	44	–
Nonmanufacturing industries	3 801	3 384	310	60	78	172	97	10
Transport equipment operatives	**5 045**	**4 056**	**797**	**36**	**152**	**609**	**160**	**32**
Laborers, except farm	**8 673**	**7 282**	**1 114**	**583**	**75**	**456**	**206**	**71**
Farmers and farm managers	**548**	**130**	**4**	**–**	**4**	**–**	**414**	**–**
Farm laborers and farm foremen	**852**	**629**	**29**	**4**	**–**	**25**	**40**	**154**
Paid farm laborers and farm foremen	698	629	29	4	–	25	40	–
Unpaid family workers	154	–	–	–	–	–	–	154
Service workers, except private household[1]	**207 732**	**149 961**	**50 045**	**3 187**	**13 661**	**33 197**	**6 647**	**1 079**
Cleaning service workers	28 458	24 267	3 841	485	718	2 638	267	83
Chambermaids and maids	7 404	6 930	439	23	81	335	25	10
Food service workers	54 497	41 523	11 293	412	2 325	8 556	1 104	577
Cooks, except private household	7 933	4 963	2 294	109	371	1 814	469	207
Waiters and food counter workers	34 490	30 981	2 691	116	834	1 741	516	302
Health service workers	55 006	35 981	18 226	1 299	8 222	8 705	642	157
Nursing aides, orderlies, and attendants	32 427	18 833	13 402	876	7 127	5 399	173	19
Practical nurses	9 997	6 626	2 894	188	635	2 071	459	18
Personal service workers	37 937	28 118	5 832	592	927	4 313	3 814	173
Hairdressers and cosmetologists	16 149	13 022	141	9	103	29	2 923	63
Private household workers	**55 346**	**55 092**	**95**	**28**	**15**	**52**	**143**	**16**
Private household workers, living in	10 520	10 515	–	–	–	–	5	–
Private household workers, living out	44 826	44 577	95	28	15	52	138	16

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

Table 173. **Occupation of Employed Persons by Class of Worker, Race, 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	Total employed	Private wage and salary workers	Government workers				Self-employed workers	Unpaid family workers
			Total	Federal	State	Local		
NEW YORK SMSA—Continued								
Negro								
Male, 16 years old and over	**358 641**	**267 787**	**78 314**	**25 163**	**9 263**	**43 888**	**12 380**	**160**
Professional, technical, and kindred workers	**28 671**	**16 753**	**9 802**	**1 581**	**1 832**	**6 389**	**2 106**	**10**
Accountants	2 104	1 622	388	181	68	139	94	-
Architects	191	97	65	27	7	31	29	-
Computer specialists	1 056	957	95	47	6	42	4	-
Engineers	1 523	1 156	349	92	63	194	18	-
Aeronautical and astronautical	50	41	9	9	-	-	-	-
Civil	356	228	128	20	28	80	-	-
Electrical and electronic	429	325	98	39	-	59	6	-
Mechanical	212	169	43	5	14	24	-	-
Other engineers	476	393	71	19	21	31	12	-
Lawyers and judges	464	146	183	22	65	96	135	-
Life and physical scientists	424	291	125	55	6	64	8	-
Chemists	263	210	53	23	6	24	-	-
Physicians, dentists, and related practitioners	1 118	370	255	36	49	170	493	-
Dentists	227	49	20	-	5	15	158	-
Pharmacists	137	77	25	5	4	16	35	-
Physicians, medical and osteopathic	723	233	210	31	40	139	280	-
Other related practitioners	31	11	-	-	-	-	20	-
Health technologists and technicians	1 559	927	627	123	112	392	5	-
Religious workers	841	737	-	-	-	-	104	-
Social scientists	313	200	113	40	28	45	-	-
Social and recreation workers	2 869	477	2 387	212	387	1 788	5	-
Teachers	3 361	947	2 381	110	310	1 961	33	-
College and university	571	275	296	12	122	162	-	-
Elementary and prekindergarten	1 046	182	864	12	84	768	-	-
Secondary	1 315	203	1 112	47	92	973	-	-
Engineering and science technicians	2 330	2 066	248	117	30	101	16	-
Draftsmen and surveyors	1 031	937	84	33	11	40	10	-
Electrical and electronic engineering technicians	693	601	86	69	-	17	6	-
Technicians, except health, and engineering and science	359	209	139	86	16	37	11	-
Airplane pilots	24	19	5	5	-	-	-	-
Writers, artists, and entertainers	3 559	2 507	303	95	71	137	739	10
Other professional, technical, and kindred workers	6 600	4 044	2 144	338	614	1 192	412	-
Managers and administrators, except farm	**15 670**	**10 840**	**3 083**	**1 001**	**372**	**1 710**	**1 742**	**5**
Buyers, purchasing agents, and sales managers	1 175	1 036	108	67	10	31	31	-
School administrators	316	64	252	-	18	234	-	-
Specified managers and administrators, public administration	1 319	-	1 319	717	186	416	-	-
Other specified managers and administrators	5 204	3 938	578	117	91	370	688	-
Managers and administrators, n.e.c., salaried	6 628	5 802	826	100	67	659	-	-
Manufacturing	1 038	1 033	5	5	-	-	-	-
Wholesale and retail trade	2 047	2 011	36	13	4	19	-	-
Transportation, communications and other public utilities	702	459	243	9	17	217	-	-
All other industries	2 841	2 299	542	73	46	423	-	-
Managers and administrators, n.e.c., self-employed	1 028	-	-	-	-	-	1 023	5
Construction	165	-	-	-	-	-	165	-
Manufacturing	31	-	-	-	-	-	31	-
Wholesale and retail trade	505	-	-	-	-	-	500	5
All other industries	327	-	-	-	-	-	327	-
Sales workers	**13 520**	**11 883**	**546**	**108**	**51**	**387**	**1 064**	**27**
Insurance agents, brokers, and underwriters	964	868	36	13	13	10	60	-
Real estate agents and brokers	533	347	15	-	-	15	171	-
Sales representatives, manufacturing industries	840	819	-	-	-	-	21	-
Sales representatives, wholesale trade	1 073	1 014	20	14	-	6	39	-
Sales clerks, retail trade	6 009	5 463	87	22	10	55	432	27
Salesmen, retail trade	1 098	991	29	10	-	19	78	-
Salesmen of services and construction	712	450	245	21	28	196	17	-
Other sales workers	2 291	1 931	114	28	-	86	246	-
Clerical and kindred workers	**58 463**	**38 520**	**19 731**	**13 833**	**1 095**	**4 803**	**194**	**18**
Bank tellers and cashiers	2 767	2 253	494	42	99	353	20	-
Bookkeepers and billing clerks	3 654	3 053	586	265	68	253	15	-
Mail handlers and postal clerks	11 288	1 572	9 713	9 582	64	67	-	3
Other clerical and kindred workers	40 754	31 642	8 938	3 944	864	4 130	159	15
Craftsmen and kindred workers	**54 742**	**46 618**	**5 288**	**1 259**	**833**	**3 196**	**2 819**	**17**
Apparel craftsmen and upholsterers	1 403	1 234	32	5	11	16	137	-
Bakers	1 123	1 077	36	11	-	25	10	-
Cabinetmakers	424	408	-	-	-	-	16	-
Construction craftsmen	10 950	8 664	977	191	145	641	1 309	-
Carpenters	2 773	2 298	131	22	30	79	344	-
Excavating, grading, and road machine operators	308	244	54	-	-	54	10	-
Electricians	2 106	1 632	382	72	46	264	92	-
Masons and tile setters	968	881	60	31	5	24	27	-
Painters, construction and maintenance, and paperhangers	2 504	1 711	155	36	34	85	638	-
Plasterers and cement finishers	498	475	23	-	8	15	-	-
Plumbers and pipe fitters	1 295	996	146	19	22	105	153	-
Other construction craftsmen	498	427	26	11	-	15	45	-
Foremen, n.e.c.	5 903	5 170	701	236	51	414	32	-
Manufacturing	2 830	2 796	23	18	-	5	11	-
Nonmanufacturing industries	3 073	2 374	678	218	51	409	21	-
Linemen and servicemen, telephone and power	2 904	2 744	142	8	55	79	18	-
Locomotive engineers and firemen	149	53	96	6	21	69	-	-
Mechanics and repairmen	14 772	12 585	1 582	361	220	1 001	593	12
Air conditioning, heating, and refrigeration	647	603	29	-	5	24	15	-
Aircraft	559	505	54	45	6	3	-	-
Automobile, including body	7 588	6 742	518	134	41	343	321	7
Radio and television	1 051	794	69	5	12	52	183	5
Other mechanics and repairmen	4 927	3 941	912	177	156	579	74	-
Metal craftsmen, except mechanics	2 551	2 353	198	46	37	115	-	-
Machinists and job and die setters	1 420	1 299	121	23	24	74	-	-
Sheetmetal workers and tinsmiths	302	277	25	5	13	7	-	-
Tool and die makers	211	211	-	-	-	-	-	-
Other metal craftsmen	618	566	52	18	-	34	-	-
Printing craftsmen	3 115	3 001	108	48	4	56	6	-
Compositors and typesetters	1 401	1 365	36	14	4	18	-	-
Pressmen and plate printers, printing	1 248	1 183	59	34	-	25	6	-
Stationary engineers and power station operators	589	341	243	37	70	136	5	-
Other craftsmen and kindred workers	10 859	8 988	1 173	310	219	644	693	5

Table 173. **Occupation of Employed Persons by Class of Worker, Race, 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	Total employed	Private wage and salary workers	Government workers				Self-employed workers	Unpaid family workers
			Total	Federal	State	Local		
NEW YORK SMSA—Continued								
Negro—Continued								
Male, 16 years old and over—Continued								
Operatives, except transport	**46 759**	**43 675**	**2 542**	**801**	**383**	**1 358**	**537**	**5**
Assemblers	2 867	2 785	77	30	10	37	5	-
Checkers, examiners, and inspectors; manufacturing	1 116	1 038	78	27	15	36	-	-
Garage workers and gas station attendants	1 770	1 698	39	19	7	13	33	-
Laundry and drycleaning operatives, n.e.c	1 596	1 310	194	50	89	55	92	-
Meat cutters and butchers	1 287	1 228	56	28	-	28	3	-
Mine operatives, n.e.c.	52	52	-	-	-	-	-	-
Packers and wrappers, except produce	3 258	3 137	105	42	22	41	16	-
Painters, manufactured articles	721	685	25	14	5	6	11	-
Precision machine operatives	625	595	19	-	-	19	11	-
Sawyers	182	166	16	5	-	11	-	-
Stationary firemen	861	338	523	59	32	432	-	-
Textile operatives	799	773	20	5	-	15	6	-
Welders and flamecutters	1 978	1 872	106	53	16	37	-	-
Other metalworking operatives	1 912	1 863	49	24	3	22	-	-
Other specified operatives	15 845	14 923	638	212	115	311	279	5
Miscellaneous and not specified operatives	11 890	11 212	597	233	69	295	81	-
Occupation:								
Machine operatives, miscellaneous specified	3 389	3 265	116	47	5	64	8	-
Machine operatives, not specified	3 864	3 685	158	72	22	64	21	-
Miscellaneous operatives	3 295	3 008	245	77	36	132	42	-
Not specified operatives	1 342	1 254	78	37	6	35	10	-
Industry:								
Manufacturing	9 364	9 116	223	82	9	132	25	-
Durable goods	4 863	4 708	135	64	4	67	20	-
Wood products, including furniture	269	256	13	5	-	8	-	-
Primary metal industries	623	618	5	5	-	-	-	-
Fabricated metal industries	889	863	26	17	-	9	-	-
Machinery, including electrical	1 082	1 045	32	12	4	16	5	-
Motor vehicles and equipment	205	205	-	-	-	-	-	-
Transportation equipment, except motor vehicles	162	133	23	10	-	13	6	-
Other durable goods	1 633	1 588	36	15	-	21	9	-
Nondurable goods	4 099	4 020	74	18	5	51	5	-
Food and kindred products	707	684	23	7	-	16	-	-
Apparel and other fabricated textile products	507	497	10	-	-	10	-	-
Paper and allied products	1 004	1 004	-	-	-	-	-	-
Chemicals and allied products	474	463	11	11	-	-	-	-
Other nondurable goods	1 407	1 372	30	-	5	25	5	-
Not specified manufacturing industries	402	388	14	-	-	14	-	-
Nonmanufacturing industries	2 526	2 096	374	151	60	163	56	-
Transportation, communications, and other public utilities	573	479	90	-	17	73	4	-
Wholesale and retail trade	928	890	32	19	-	13	6	-
All other industries	1 025	727	252	132	43	77	46	-
Transport equipment operatives	**39 555**	**28 545**	**9 601**	**1 163**	**653**	**7 785**	**1 403**	**6**
Bus drivers	4 949	1 731	3 190	10	230	2 950	28	-
Taxicab drivers and chauffeurs	6 823	5 538	509	142	64	303	770	6
Truck drivers and deliverymen	17 133	15 049	1 760	732	94	934	324	-
Other transport equipment operatives	10 650	6 227	4 142	279	265	3 598	281	-
Laborers, except farm	**30 310**	**22 373**	**7 183**	**2 927**	**518**	**3 738**	**740**	**14**
Construction laborers	4 349	3 950	388	16	53	319	11	-
Freight, stock, and material handlers	12 098	8 611	3 344	2 081	105	1 158	138	5
Other specified laborers	9 685	6 907	2 317	718	219	1 380	452	9
Miscellaneous and not specified laborers	4 178	2 905	1 134	112	141	881	139	-
Occupation:								
Miscellaneous laborers	1 464	674	750	26	78	646	40	-
Not specified laborers	2 714	2 231	384	86	63	235	99	-
Industry:								
Manufacturing	883	834	29	13	10	6	20	-
Durable goods	514	477	29	13	10	6	8	-
Wood products, including furniture	55	55	-	-	-	-	-	-
Metal industries	192	186	6	-	-	6	-	-
Machinery, including electrical	98	98	-	-	-	-	-	-
Transportation equipment	63	48	15	7	8	-	-	-
Other durable goods	106	90	8	6	2	-	8	-
Nondurable goods	342	330	-	-	-	-	12	-
Food and kindred products	68	68	-	-	-	-	-	-
Not specified manufacturing industries	27	27	-	-	-	-	-	-
Nonmanufacturing industries	3 295	2 071	1 105	99	131	875	119	-
Railroads and railway express service	318	223	95	6	40	49	-	-
Transportation, except railroads	856	282	568	5	45	518	6	-
Communications, and utilities and sanitary services	319	157	156	-	5	151	6	-
Wholesale and retail trade	545	475	15	8	7	-	55	-
All other industries	1 257	934	271	80	34	157	52	-
Farmers and farm managers	**218**	**17**	**12**	**7**	**-**	**5**	**189**	**-**
Farm laborers and farm foremen	**799**	**775**	**10**	**4**	**6**	**-**	**-**	**14**
Paid farm laborers and farm foremen	785	775	10	4	6	-	-	-
Unpaid family workers	14	-	-	-	-	-	-	14
Service workers, except private household[1]	**68 573**	**46 450**	**20 510**	**2 479**	**3 520**	**14 511**	**1 569**	**44**
Cleaning service workers	24 286	17 723	6 103	888	911	4 304	441	19
Food service workers	11 035	9 534	1 331	302	333	696	151	19
Cooks, except private household	5 486	4 526	890	191	220	479	64	6
Busboys and dishwashers	1 253	1 172	81	9	10	62	-	-
Health service workers	5 229	2 333	2 871	456	1 220	1 195	25	-
Personal service workers	6 483	4 866	1 011	186	138	687	600	6
Protective service workers	12 047	4 367	7 641	441	742	6 458	39	-
Firemen, fire protection	595	5	590	-	10	580	-	-
Guards and watchmen	6 606	4 065	2 513	369	575	1 569	28	-
Policemen and detectives	4 517	270	4 236	64	125	4 047	11	-
Private household workers	**1 361**	**1 338**	**6**	**-**	**-**	**6**	**17**	**-**

[1]Includes allocated cases not shown separately.

Table 173. **Occupation of Employed Persons by Class of Worker, Race, 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	Total employed	Private wage and salary workers	Government workers				Self-employed workers	Unpaid family workers
			Total	Federal	State	Local		
NEW YORK SMSA—Continued								
Negro—Continued								
Female, 16 years old and over	**313 024**	**229 239**	**78 616**	**15 745**	**13 286**	**49 585**	**4 812**	**357**
Professional, technical, and kindred workers	**37 966**	**18 027**	**19 051**	**1 518**	**2 566**	**14 967**	**883**	**5**
Accountants	1 140	796	338	147	40	151	6	-
Computer specialists	337	307	30	9	-	21	-	-
Librarians	355	86	269	10	25	234	-	-
Mathematical specialists	64	54	10	5	-	5	-	-
Life and physical scientists	193	114	79	12	-	67	-	-
Registered nurses, dietitians, and therapists	13 569	8 688	4 346	350	892	3 104	535	-
Dietitians	1 039	606	433	60	49	324	-	-
Registered nurses	12 240	7 896	3 809	285	786	2 738	535	-
Health technologists and technicians	2 060	1 430	630	86	130	414	-	-
Social scientists	140	66	68	12	33	23	6	-
Social and recreation workers	4 352	933	3 409	247	339	2 823	10	-
Teachers: College and university	395	154	241	10	51	180	-	-
Elementary and prekindergarten	5 295	800	4 488	206	342	3 940	7	-
Secondary	1 698	169	1 529	54	64	1 411	-	-
Other teachers	619	277	301	60	89	152	41	-
Engineering and science technicians	343	257	86	24	10	52	-	-
Technicians, except health, and engineering and science	46	33	13	5	-	8	-	-
Writers, artists, and entertainers	1 059	882	63	24	-	39	114	-
Actors and dancers	117	105	-	-	-	-	12	-
Authors, editors, and reporters	247	206	14	8	-	6	27	-
Other professional, technical, and kindred workers	6 301	2 981	3 151	257	551	2 343	164	5
Managers and administrators, except farm	**5 614**	**3 218**	**1 913**	**339**	**199**	**1 375**	**433**	**50**
Buyers, purchasing agents, and sales managers	576	505	52	26	-	26	19	-
Restaurant, cafeteria, and bar managers	419	210	110	-	-	110	83	16
School administrators	404	61	323	19	16	288	20	-
Other specified managers and administrators	2 055	1 015	918	221	131	566	108	14
Managers and administrators, n.e.c., salaried	1 937	1 427	510	73	52	385	-	-
Wholesale and retail trade	327	322	5	-	-	5	-	-
Managers and administrators, n.e.c., self-employed	223	-	-	-	-	-	203	20
Wholesale and retail trade	135	-	-	-	-	-	126	9
Sales workers	**8 887**	**8 031**	**472**	**69**	**73**	**330**	**347**	**37**
Demonstrators, hucksters, and peddlers	191	177	-	-	-	-	14	-
Insurance, real estate agents, and brokers	355	246	48	11	19	18	61	-
Sales clerks, retail trade	5 342	5 036	85	18	8	59	201	20
Salesmen, retail trade	209	176	5	5	-	-	23	5
Other sales workers	2 790	2 396	334	35	46	253	48	12
Clerical and kindred workers	**112 560**	**78 587**	**33 632**	**11 013**	**4 037**	**18 582**	**249**	**92**
Bank tellers	2 182	1 952	230	124	34	72	-	-
Bookkeepers	6 284	5 363	872	235	66	571	29	20
Cashiers	3 762	3 388	352	35	68	249	18	4
Counter clerks, except food	1 150	1 131	19	-	15	4	-	-
Enumerators and interviewers	387	62	325	233	5	87	-	-
File clerks	7 684	5 651	2 033	434	335	1 264	-	-
Office machine operators	7 787	6 805	968	408	127	433	14	-
Bookkeeping and billing machine operators	773	686	87	52	5	30	-	-
Keypunch operators	5 701	4 970	722	286	99	337	9	-
Payroll and timekeeping clerks	928	451	477	97	29	351	-	-
Receptionists	2 505	1 774	721	67	129	525	5	5
Secretaries	13 852	10 855	2 925	780	467	1 678	36	36
Stenographers	981	336	645	94	169	382	-	-
Telephone operators	8 621	7 515	1 102	176	216	710	-	4
Typists	13 421	9 197	4 199	974	691	2 534	25	-
Other clerical and kindred workers	43 016	24 107	18 764	7 356	1 686	9 722	122	23
Craftsmen and kindred workers	**4 498**	**4 103**	**336**	**79**	**59**	**198**	**52**	**7**
Foremen, n.e.c	1 383	1 210	162	32	48	82	4	7
Operatives, except transport	**40 339**	**38 488**	**1 352**	**384**	**300**	**668**	**452**	**47**
Assemblers	2 680	2 600	76	21	24	31	4	-
Bottling and canning operatives	60	57	3	3	-	-	-	-
Checkers, examiners, and inspectors, manufacturing	1 352	1 322	26	7	-	19	4	-
Dressmakers and seamstresses, except factory	817	559	42	6	10	26	216	-
Laundry and drycleaning operatives, including ironers	5 163	4 813	315	37	90	188	30	5
Graders and sorters, manufacturing	123	123	-	-	-	-	-	-
Packers and wrappers, except produce	3 514	3 461	46	10	17	19	7	-
Sewers and stitchers	9 495	9 242	182	55	29	98	63	8
Textile operatives	559	547	6	-	-	6	6	-
Other specified operatives	8 936	8 391	425	163	104	158	86	34
Miscellaneous and not specified operatives	7 640	7 373	231	82	26	123	36	-
Manufacturing	6 686	6 495	159	64	17	78	32	-
Durable goods	2 704	2 612	88	44	7	37	4	-
Machinery, including electrical	800	766	34	22	7	5	-	-
Other durable goods	1 904	1 846	54	22	-	32	4	-
Nondurable goods, including not specified manufacturing	3 982	3 883	71	20	10	41	28	-
Food and kindred products	188	179	9	-	-	9	-	-
Apparel and other fabricated textile products	1 402	1 362	26	15	5	6	14	-
Nonmanufacturing industries	954	878	72	18	9	45	4	-
Transport equipment operatives	**769**	**529**	**194**	**8**	**14**	**172**	**46**	**-**
Laborers, except farm	**2 337**	**1 737**	**594**	**380**	**48**	**166**	**-**	**6**
Farmers and farm managers	**227**	**41**	**4**	**-**	**4**	**-**	**182**	**-**
Farm laborers and farm foremen	**379**	**310**	**11**	**-**	**-**	**11**	**12**	**46**
Paid farm laborers and farm foremen	333	310	11	-	-	11	12	-
Unpaid family workers	46	-	-	-	-	-	-	46
Service workers, except private household[1]	**64 167**	**41 029**	**20 976**	**1 927**	**5 980**	**13 069**	**2 099**	**63**
Cleaning service workers	11 282	9 416	1 716	313	203	1 200	144	6
Chambermaids and maids	4 045	3 820	210	23	30	157	15	-
Food service workers	8 089	5 793	2 115	151	528	1 436	137	44
Cooks, except private household	1 691	1 173	463	48	34	381	38	17
Waiters and food counter workers	4 134	3 571	443	15	195	233	93	27
Health service workers	26 909	15 386	11 248	896	4 086	6 266	275	-
Nursing aides, orderlies, and attendants	18 952	10 753	8 099	608	3 542	3 949	100	-
Practical nurses	5 165	2 917	2 083	139	377	1 567	165	-
Personal service workers	7 704	4 142	2 337	329	318	1 690	1 217	8
Hairdressers and cosmetologists	2 764	1 675	60	9	51	-	1 021	8
Private household workers	**35 281**	**35 139**	**81**	**28**	**6**	**47**	**57**	**4**
Private household workers, living in	5 056	5 051	-	-	-	-	5	-
Private household workers, living out	30 225	30 088	81	28	6	47	52	4

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

Table 173. **Occupation of Employed Persons by Class of Worker, Race, 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	Total employed	Private wage and salary workers	Government workers				Self-employed workers	Unpaid family workers
			Total	Federal	State	Local		
NEW YORK SMSA—Continued								
Persons of Puerto Rican Birth or Parentage								
Male, 16 years old and over	**153 405**	**130 195**	**18 469**	**6 141**	**2 218**	**10 110**	**4 662**	**79**
Professional, technical, and kindred workers	**6 086**	**4 026**	**1 666**	**357**	**235**	**1 074**	**394**	**-**
Accountants	381	336	33	23	-	10	12	-
Architects	5	5	-	-	-	-	-	-
Computer specialists	186	173	13	8	-	5	-	-
Engineers	283	192	75	33	7	35	16	-
Aeronautical and astronautical	30	22	8	8	-	-	-	-
Civil	42	15	27	7	7	13	-	-
Electrical and electronic	81	56	18	11	-	7	7	-
Mechanical	33	26	7	-	-	7	-	-
Other engineers	97	73	15	7	-	8	9	-
Lawyers and judges	97	48	14	9	-	5	35	-
Life and physical scientists	78	65	13	5	-	8	-	-
Chemists	65	65	-	-	-	-	-	-
Physicians, dentists, and related practitioners	147	78	43	18	6	19	26	-
Dentists	14	-	8	-	-	8	6	-
Pharmacists	52	52	-	-	-	-	-	-
Physicians, medical and osteopathic	74	26	35	18	6	11	13	-
Other related practitioners	7	-	-	-	-	-	7	-
Health technologists and technicians	422	239	183	51	20	112	-	-
Religious workers	125	97	-	-	-	-	28	-
Social scientists	52	16	30	11	-	19	6	-
Social and recreation workers	600	169	431	49	57	325	-	-
Teachers	548	178	364	23	26	315	6	-
College and university	42	28	14	-	-	14	-	-
Elementary and prekindergarten	144	21	123	7	11	105	-	-
Secondary	226	40	186	-	15	171	-	-
Engineering and science technicians	726	684	42	26	4	12	-	-
Draftsmen and surveyors	312	308	4	-	4	-	-	-
Electrical and electronic engineering technicians	219	201	18	18	-	-	-	-
Technicians, except health, and engineering and science	118	80	38	33	-	5	-	-
Airplane pilots	-	-	-	-	-	-	-	-
Writers, artists, and entertainers	1 175	905	70	24	20	26	200	-
Other professional, technical, and kindred workers	1 143	761	317	44	95	178	65	-
Managers and administrators, except farm	**6 931**	**5 141**	**493**	**134**	**72**	**287**	**1 281**	**16**
Buyers, purchasing agents, and sales managers	522	477	12	7	5	-	33	-
School administrators	57	20	37	-	-	37	-	-
Specified managers and administrators, public administration	206	-	206	85	10	111	-	-
Other specified managers and administrators	2 296	1 970	94	28	13	53	226	6
Managers and administrators, n.e.c., salaried	2 818	2 674	144	14	44	86	-	-
Manufacturing	430	430	-	-	-	-	-	-
Wholesale and retail trade	1 227	1 210	17	6	6	5	-	-
Transportation, communications and other public utilities	137	114	23	-	16	7	-	-
All other industries	1 024	920	104	8	22	74	-	-
Managers and administrators, n.e.c., self-employed	1 032	-	-	-	-	-	1 022	10
Construction	6	-	-	-	-	-	6	-
Manufacturing	45	-	-	-	-	-	45	-
Wholesale and retail trade	873	-	-	-	-	-	863	10
All other industries	108	-	-	-	-	-	108	-
Sales workers	**7 643**	**6 608**	**152**	**29**	**34**	**89**	**864**	**19**
Insurance agents, brokers, and underwriters	480	473	-	-	-	-	7	-
Real estate agents and brokers	106	100	6	-	-	6	-	-
Sales representatives, manufacturing industries	410	378	-	-	-	-	32	-
Sales representatives, wholesale trade	625	580	7	-	-	7	38	-
Sales clerks, retail trade	4 427	3 743	64	21	11	32	601	19
Salesmen, retail trade	635	560	8	-	8	-	67	-
Salesmen of services and construction	125	77	44	8	6	30	4	-
Other sales workers	835	697	23	-	9	14	115	-
Clerical and kindred workers	**21 021**	**16 236**	**4 679**	**3 320**	**266**	**1 093**	**100**	**6**
Bank tellers and cashiers	1 185	1 109	64	38	-	26	6	6
Bookkeepers and billing clerks	1 050	1 030	14	-	-	14	6	-
Mail handlers and postal clerks	3 330	761	2 569	2 554	3	12	-	-
Other clerical and kindred workers	15 456	13 336	2 032	728	263	1 041	88	-
Craftsmen and kindred workers	**23 816**	**21 617**	**1 470**	**338**	**261**	**871**	**729**	**-**
Apparel craftsmen and upholsterers	1 075	1 049	-	-	-	-	26	-
Bakers	558	535	16	-	-	16	7	-
Cabinetmakers	378	363	6	-	-	6	9	-
Construction craftsmen	3 935	3 332	326	87	84	155	277	-
Carpenters	921	804	49	9	12	28	68	-
Excavating, grading, and road machine operators	45	38	7	-	-	7	-	-
Electricians	765	598	131	37	19	75	36	-
Masons and tile setters	139	125	14	-	9	5	-	-
Painters, construction and maintenance, and paperhangers	1 256	1 044	89	41	36	12	123	-
Plasterers and cement finishers	131	110	8	-	-	8	13	-
Plumbers and pipe fitters	543	485	21	-	8	13	37	-
Other construction craftsmen	135	128	7	-	-	7	-	-
Foremen, n.e.c.	3 703	3 523	165	38	17	110	15	-
Manufacturing	2 609	2 584	25	-	-	25	-	-
Nonmanufacturing industries	1 094	939	140	38	17	85	15	-
Linemen and servicemen, telephone and power	799	745	54	5	11	38	-	-
Locomotive engineers and firemen	-	-	-	-	-	-	-	-
Mechanics and repairmen	6 131	5 413	485	99	79	307	233	-
Air conditioning, heating, and refrigeration	492	464	28	6	5	17	-	-
Aircraft	321	309	12	6	-	6	-	-
Automobile, including body	2 573	2 291	144	45	10	89	138	-
Radio and television	480	383	23	7	-	16	74	-
Other mechanics and repairmen	2 265	1 966	278	35	64	179	21	-
Metal craftsmen, except mechanics	1 408	1 386	22	9	-	13	-	-
Machinists and job and die setters	776	776	-	-	-	-	-	-
Sheetmetal workers and tinsmiths	110	101	9	9	-	-	-	-
Tool and die makers	241	235	6	-	-	6	-	-
Other metal craftsmen	281	274	7	-	-	7	-	-
Printing craftsmen	2 055	1 971	84	34	15	35	-	-
Compositors and typesetters	871	837	34	22	-	12	-	-
Pressmen and plate printers, printing	814	771	43	12	8	23	-	-
Stationary engineers and power station operators	132	110	22	-	16	6	-	-
Other craftsmen and kindred workers	3 642	3 190	290	66	39	185	162	-

Table 173. **Occupation of Employed Persons by Class of Worker, Race, 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	Total employed	Private wage and salary workers	Government workers				Self-employed workers	Unpaid family workers
			Total	Federal	State	Local		
NEW YORK SMSA—Continued								
Persons of Puerto Rican Birth or Parentage—Continued								
Male, 16 years old and over—Continued								
Operatives, except transport	**34 173**	**32 703**	**1 173**	**422**	**165**	**586**	**285**	**12**
Assemblers	1 989	1 954	35	27	-	8	-	-
Checkers, examiners, and inspectors, manufacturing	484	478	6	6	-	-	-	-
Garage workers and gas station attendants	568	546	11	5	-	6	11	-
Laundry and drycleaning operatives, n.e.c	818	651	145	6	70	69	22	-
Meat cutters and butchers	751	707	23	10	9	4	21	-
Mine operatives, n.e.c	20	20	-	-	-	-	-	-
Packers and wrappers, except produce	3 496	3 401	69	23	7	39	26	-
Painters, manufactured articles	780	746	26	19	-	7	8	-
Precision machine operatives	430	406	18	-	-	18	6	-
Sawyers	177	177	-	-	-	-	-	-
Stationary firemen	257	120	126	12	5	109	11	-
Textile operatives	909	886	19	5	-	14	4	-
Welders and flamecutters	881	837	44	21	-	23	-	-
Other metalworking operatives	1 932	1 910	22	-	-	22	-	-
Other specified operatives	8 348	7 875	337	161	40	136	124	12
Miscellaneous and not specified operatives	12 333	11 989	292	127	34	131	52	-
Occupation:								
Machine operatives, miscellaneous specified	3 546	3 478	61	37	8	16	7	-
Machine operatives, not specified	4 302	4 176	108	50	14	44	18	-
Miscellaneous operatives	2 874	2 764	95	31	7	57	15	-
Not specified operatives	1 611	1 571	28	9	5	14	12	-
Industry:								
Manufacturing	10 974	10 755	167	93	18	56	52	-
Durable goods	5 525	5 442	70	51	-	19	13	-
Wood products, including furniture	530	530	-	-	-	-	-	-
Primary metal industries	526	503	17	8	-	9	6	-
Fabricated metal industries	799	792	7	7	-	-	-	-
Machinery, including electrical	1 246	1 232	14	14	-	-	-	-
Motor vehicles and equipment	81	81	-	-	-	-	-	-
Transportation equipment, except motor vehicles	131	125	6	6	-	-	-	-
Other durable goods	2 212	2 179	26	16	-	10	7	-
Nondurable goods	4 891	4 772	80	31	12	37	39	-
Food and kindred products	597	561	36	15	4	17	-	-
Apparel and other fabricated textile products	796	787	-	-	-	-	9	-
Paper and allied products	1 374	1 358	16	16	-	-	-	-
Chemicals and allied products	338	333	-	-	-	-	5	-
Other nondurable goods	1 786	1 733	28	-	8	20	25	-
Not specified manufacturing industries	558	541	17	11	6	-	-	-
Nonmanufacturing industries	1 359	1 234	125	34	16	75	-	-
Transportation, communications, and other public utilities	221	188	33	9	4	20	-	-
Wholesale and retail trade	510	505	5	-	5	-	-	-
All other industries	628	541	87	25	7	55	-	-
Transport equipment operatives	**11 472**	**9 917**	**1 113**	**123**	**110**	**880**	**442**	-
Bus drivers	706	250	456	-	37	419	-	-
Taxicab drivers and chauffeurs	3 028	2 586	148	15	26	107	294	-
Truck drivers and deliverymen	6 209	5 802	269	91	33	145	138	-
Other transport equipment operatives	1 529	1 279	240	17	14	209	10	-
Laborers, except farm	**9 303**	**7 746**	**1 466**	**614**	**100**	**752**	**91**	-
Construction laborers	804	747	57	5	8	44	-	-
Freight, stock, and material handlers	4 287	3 518	735	547	28	160	34	-
Other specified laborers	2 052	1 588	407	39	27	341	57	-
Miscellaneous and not specified laborers	2 160	1 893	267	23	37	207	-	-
Occupation:								
Miscellaneous laborers	305	190	115	-	20	95	-	-
Not specified laborers	1 855	1 703	152	23	17	112	-	-
Industry:								
Manufacturing	820	810	10	10	-	-	-	-
Durable goods	371	371	-	-	-	-	-	-
Wood products, including furniture	21	21	-	-	-	-	-	-
Metal industries	105	105	-	-	-	-	-	-
Machinery, including electrical	27	27	-	-	-	-	-	-
Transportation equipment	26	26	-	-	-	-	-	-
Other durable goods	192	192	-	-	-	-	-	-
Nondurable goods	385	375	10	10	-	-	-	-
Food and kindred products	94	94	-	-	-	-	-	-
Not specified manufacturing industries	64	64	-	-	-	-	-	-
Nonmanufacturing industries	1 340	1 083	257	13	37	207	-	-
Railroads and railway express service	33	18	15	-	9	6	-	-
Transportation, except railroads	145	78	67	-	6	61	-	-
Communications, and utilities and sanitary services	67	47	20	-	-	20	-	-
Wholesale and retail trade	310	310	-	-	-	-	-	-
All other industries	785	630	155	13	22	120	-	-
Farmers and farm managers	**34**	**10**	-	-	-	-	**24**	-
Farm laborers and farm foremen	**350**	**318**	**7**	-	-	**7**	**25**	-
Paid farm laborers and farm foremen	350	318	7	-	-	7	25	-
Unpaid family workers	-	-	-	-	-	-	-	-
Service workers, except private household[1]	**32 390**	**25 687**	**6 250**	**804**	**975**	**4 471**	**427**	**26**
Cleaning service workers	11 579	8 703	2 820	369	356	2 095	37	19
Food service workers	11 353	10 510	716	164	189	363	127	-
Cooks, except private household	4 162	3 780	318	62	91	165	64	-
Busboys and dishwashers	1 834	1 765	57	12	10	35	12	-
Health service workers	1 306	586	720	43	266	411	-	-
Personal service workers	3 899	3 300	353	68	34	251	246	-
Protective service workers	2 801	1 334	1 460	113	114	1 233	-	7
Firemen, fire protection	77	-	77	-	-	77	-	-
Guards and watchmen	1 615	1 198	410	93	102	215	-	7
Policemen and detectives	1 063	122	941	20	12	909	-	-
Private household workers	**186**	**186**	-	-	-	-	-	-

[1]Includes allocated cases not shown separately.

Table 173. **Occupation of Employed Persons by Class of Worker, Race, 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	Total employed	Private wage and salary workers	Government workers				Self-employed workers	Unpaid family workers
			Total	Federal	State	Local		
NEW YORK SMSA—Continued								
Persons of Puerto Rican Birth or Parentage—Continued								
Female, 16 years old and over	**72 464**	**61 291**	**9 978**	**2 011**	**1 798**	**6 169**	**941**	**254**
Professional, technical, and kindred workers	**4 726**	**2 562**	**2 071**	**257**	**328**	**1 486**	**87**	**6**
Accountants	169	127	42	29	8	5	-	-
Computer specialists	17	17	-	-	-	-	-	-
Librarians	15	7	8	-	-	8	-	-
Mathematical specialists	8	-	8	-	-	8	-	-
Life and physical scientists	33	21	12	6	-	6	-	-
Registered nurses, dietitians, and therapists	1 073	709	364	52	94	218	-	-
Dietitians	110	77	33	4	14	15	-	-
Registered nurses	909	597	312	48	73	191	-	-
Health technologists and technicians	409	286	116	8	22	86	7	-
Social scientists	42	5	37	9	14	14	-	-
Social and recreation workers	742	265	477	72	64	341	-	-
Teachers: College and university	63	7	56	-	-	56	-	-
Elementary and prekindergarten	574	103	471	19	44	408	-	-
Secondary	201	45	156	-	10	146	-	-
Other teachers	78	54	17	11	-	6	7	-
Engineering and science technicians	27	27	-	-	-	-	-	-
Technicians, except health, and engineering and science	-	-	-	-	-	-	-	-
Writers, artists, and entertainers	469	388	60	10	14	36	21	-
Actors and dancers	76	67	9	-	-	9	-	-
Authors, editors, and reporters	67	57	10	10	-	-	-	-
Other professional, technical, and kindred workers	806	501	247	41	58	148	52	6
Managers and administrators, except farm	**1 219**	**877**	**195**	**18**	**15**	**162**	**128**	**19**
Buyers, purchasing agents, and sales managers	154	147	-	-	-	-	7	-
Restaurant, cafeteria, and bar managers	46	46	-	-	-	-	-	-
School administrators	45	-	45	-	-	45	-	-
Other specified managers and administrators	325	240	68	-	-	68	11	6
Managers and administrators, n.e.c., salaried	526	444	82	18	15	49	-	-
Wholesale and retail trade	133	133	-	-	-	-	-	-
Managers and administrators, n.e.c., self-employed	123	-	-	-	-	-	110	13
Wholesale and retail trade	109	-	-	-	-	-	96	13
Sales workers	**3 096**	**2 786**	**85**	**6**	**7**	**72**	**131**	**94**
Demonstrators, hucksters, and peddlers	70	70	-	-	-	-	-	-
Insurance, real estate agents, and brokers	55	34	16	-	-	16	5	-
Sales clerks, retail trade	2 171	1 928	47	6	-	41	109	87
Salesmen, retail trade	96	96	-	-	-	-	-	-
Other sales workers	704	658	22	-	7	15	17	7
Clerical and kindred workers	**24 669**	**19 764**	**4 761**	**1 349**	**674**	**2 738**	**90**	**54**
Bank tellers	662	602	60	18	12	30	-	-
Bookkeepers	1 808	1 690	102	65	19	18	9	7
Cashiers	1 148	1 106	11	-	-	11	21	10
Counter clerks, except food	241	229	5	5	-	-	7	-
Enumerators and interviewers	120	36	84	51	-	33	-	-
File clerks	1 626	1 378	248	56	48	144	-	-
Office machine operators	1 239	1 147	92	42	4	46	-	-
Bookkeeping and billing machine operators	109	105	4	-	-	4	-	-
Keypunch operators	888	821	67	24	4	39	-	-
Payroll and timekeeping clerks	153	140	13	8	-	5	-	-
Receptionists	786	695	84	4	19	61	-	7
Secretaries	5 209	4 350	839	185	165	489	5	15
Stenographers	221	74	147	27	25	95	-	-
Telephone operators	840	738	102	16	-	86	-	-
Typists	3 597	2 848	739	181	144	414	-	10
Other clerical and kindred workers	7 019	4 731	2 235	691	238	1 306	48	5
Craftsmen and kindred workers	**1 768**	**1 701**	**58**	**15**	**6**	**37**	**9**	**-**
Foremen, n.e.c	680	667	13	-	6	7	-	-
Operatives, except transport	**26 710**	**26 114**	**441**	**115**	**67**	**259**	**111**	**44**
Assemblers	1 185	1 163	17	12	-	5	5	-
Bottling and canning operatives	10	10	-	-	-	-	-	-
Checkers, examiners, and inspectors; manufacturing	535	521	4	-	-	4	-	10
Dressmakers and seamstresses, except factory	278	207	7	-	7	-	64	-
Laundry and drycleaning operatives, including ironers	1 177	1 085	80	-	33	47	6	6
Graders and sorters, manufacturing	94	94	-	-	-	-	-	-
Packers and wrappers, except produce	2 293	2 257	36	12	-	24	-	-
Sewers and stitchers	11 268	11 145	108	28	13	67	-	15
Textile operatives	569	569	-	-	-	-	-	-
Other specified operatives	2 988	2 876	77	15	14	48	28	7
Miscellaneous and not specified operatives	6 313	6 187	112	48	-	64	8	6
Manufacturing	5 944	5 832	98	40	-	58	8	6
Durable goods	2 303	2 247	48	7	-	41	8	-
Machinery, including electrical	595	595	-	-	-	-	-	-
Other durable goods	1 708	1 652	48	7	-	41	8	-
Nondurable goods, including not specified manufacturing	3 641	3 585	50	33	-	17	-	6
Food and kindred products	77	77	-	-	-	-	-	-
Apparel and other fabricated textile products	1 760	1 760	-	-	-	-	-	-
Nonmanufacturing industries	369	355	14	8	-	6	-	-
Transport equipment operatives	**191**	**167**	**19**	**8**	**-**	**11**	**5**	**-**
Laborers, except farm	**724**	**640**	**77**	**50**	**6**	**21**	**-**	**7**
Farmers and farm managers	**24**	**5**	**-**	**-**	**-**	**-**	**19**	**-**
Farm laborers and farm foremen	**19**	**13**	**-**	**-**	**-**	**-**	**-**	**6**
Paid farm laborers and farm foremen	13	13	-	-	-	-	-	-
Unpaid family workers	6	-	-	-	-	-	-	6
Service workers, except private household[1]	**8 749**	**6 093**	**2 271**	**193**	**695**	**1 383**	**361**	**24**
Cleaning service workers	1 466	1 180	266	14	63	189	20	-
Chambermaids and maids	335	295	40	-	23	17	-	-
Food service workers	1 834	1 423	356	20	122	214	49	6
Cooks, except private household	295	211	49	7	13	29	35	-
Waiters and food counter workers	986	889	85	13	38	34	6	6
Health service workers	2 417	1 565	848	72	384	392	4	-
Nursing aides, orderlies, and attendants	1 352	714	634	44	306	284	4	-
Practical nurses	453	346	107	7	23	77	-	-
Personal service workers	2 076	1 274	520	79	98	343	270	12
Hairdressers and cosmetologists	1 109	877	19	-	8	11	213	-
Private household workers	**569**	**569**	**-**	**-**	**-**	**-**	**-**	**-**
Private household workers, living in	80	80	-	-	-	-	-	-
Private household workers, living out	489	489	-	-	-	-	-	-

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

Table 173. **Occupation of Employed Persons by Class of Worker, Race, 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	Total employed	Private wage and salary workers	Government workers				Self-employed workers	Unpaid family workers
			Total	Federal	State	Local		
ROCHESTER SMSA								
Total								
Male, 16 years old and over	**218 889**	**179 848**	**22 781**	**3 671**	**5 692**	**13 418**	**15 908**	**352**
Professional, technical, and kindred workers	**41 855**	**31 741**	**6 748**	**483**	**1 987**	**4 278**	**3 352**	**14**
Accountants	2 324	1 836	230	77	111	42	258	-
Architects	161	83	26	8	6	12	52	-
Computer specialists	1 348	1 294	49	-	20	29	5	-
Engineers	10 112	9 603	354	59	176	119	155	-
Aeronautical and astronautical	10	10	-	-	-	-	-	-
Civil	635	370	229	5	148	76	36	-
Electrical and electronic	2 067	2 035	32	18	9	5	-	-
Mechanical	1 533	1 504	9	4	-	5	20	-
Other engineers	5 867	5 684	84	32	19	33	99	-
Lawyers and judges	1 189	325	97	26	29	42	763	4
Life and physical scientists	1 511	1 433	73	12	40	21	5	-
Chemists	1 092	1 055	32	-	22	10	5	-
Physicians, dentists, and related practitioners	2 359	839	126	18	82	26	1 394	-
Dentists	540	49	18	13	5	-	473	-
Pharmacists	343	279	11	-	11	-	53	-
Physicians, medical and osteopathic	1 286	490	93	5	62	26	703	-
Other related practitioners	190	21	4	-	4	-	165	-
Health technologists and technicians	313	231	74	9	29	36	8	-
Religious workers	816	727	18	-	13	5	71	-
Social scientists	885	754	114	26	32	56	17	-
Social and recreation workers	612	202	410	22	94	294	-	-
Teachers	6 174	2 349	3 754	28	819	2 907	71	-
College and university	1 996	1 375	621	15	515	91	-	-
Elementary and prekindergarten	1 029	239	790	-	74	716	-	-
Secondary	2 760	494	2 266	10	171	2 085	-	-
Engineering and science technicians	5 381	5 107	219	43	62	114	55	-
Draftsmen and surveyors	1 914	1 784	95	5	9	81	35	-
Electrical and electronic engineering technicians	836	809	27	21	6	-	-	-
Technicians, except health, and engineering and science	264	159	99	50	-	49	6	-
Airplane pilots	35	35	-	-	-	-	-	-
Writers, artists, and entertainers	2 891	2 414	142	24	67	51	330	5
Other professional, technical, and kindred workers	5 515	4 385	963	81	407	475	162	5
Managers and administrators, except farm	**21 986**	**17 480**	**1 889**	**251**	**438**	**1 200**	**2 580**	**37**
Buyers, purchasing agents, and sales managers	2 885	2 678	26	13	5	8	174	7
School administrators	686	138	538	-	84	454	10	-
Specified managers and administrators, public administration	846	-	846	212	193	441	-	-
Other specified managers and administrators	3 714	3 038	135	11	42	82	541	-
Managers and administrators, n.e.c., salaried	11 970	11 626	344	15	114	215	-	-
Manufacturing	4 790	4 785	5	-	-	5	-	-
Wholesale and retail trade	3 554	3 532	22	-	12	10	-	-
Transportation, communications and other public utilities	656	616	40	6	11	23	-	-
All other industries	2 970	2 693	277	9	91	177	-	-
Managers and administrators, n.e.c., self-employed	1 885	-	-	-	-	-	1 855	30
Construction	361	-	-	-	-	-	356	5
Manufacturing	122	-	-	-	-	-	122	-
Wholesale and retail trade	1 028	-	-	-	-	-	1 013	15
All other industries	374	-	-	-	-	-	364	10
Sales workers	**13 305**	**11 566**	**35**	**4**	**6**	**25**	**1 684**	**20**
Insurance agents, brokers, and underwriters	1 352	1 105	-	-	-	-	241	6
Real estate agents and brokers	529	306	5	-	-	5	218	-
Sales representatives, manufacturing industries	1 693	1 635	-	-	-	-	58	-
Sales representatives, wholesale trade	2 440	2 156	-	-	-	-	284	-
Sales clerks, retail trade	3 385	2 933	-	-	-	-	443	9
Salesmen, retail trade	1 636	1 384	-	-	-	-	252	-
Salesmen of services and construction	606	531	10	-	-	10	65	-
Other sales workers	1 664	1 516	20	4	6	10	123	5
Clerical and kindred workers	**17 488**	**14 198**	**3 160**	**2 206**	**334**	**620**	**125**	**5**
Bank tellers and cashiers	406	376	18	-	10	8	12	-
Bookkeepers and billing clerks	1 230	1 048	126	28	28	70	51	5
Mail handlers and postal clerks	2 118	215	1 903	1 857	37	9	-	-
Other clerical and kindred workers	13 734	12 559	1 113	321	259	533	62	-
Craftsmen and kindred workers	**48 672**	**42 900**	**2 379**	**182**	**743**	**1 454**	**3 359**	**34**
Apparel craftsmen and upholsterers	619	524	3	-	3	-	92	-
Bakers	412	328	25	-	21	4	46	13
Cabinetmakers	177	143	17	-	6	11	17	-
Construction craftsmen	10 749	8 452	655	34	242	379	1 636	6
Carpenters	3 111	2 313	82	10	27	45	716	-
Excavating, grading, and road machine operators	811	495	275	6	82	187	41	-
Electricians	2 016	1 805	66	4	15	47	145	-
Masons and tile setters	1 008	792	26	3	10	13	190	-
Painters, construction and maintenance, and paperhangers	1 094	670	99	5	50	44	319	6
Plasterers and cement finishers	151	134	11	-	-	11	6	-
Plumbers and pipe fitters	1 977	1 751	84	6	58	20	142	-
Other construction craftsmen	581	492	12	-	-	12	77	-
Foremen, n.e.c	9 039	8 454	497	48	170	279	83	5
Manufacturing	6 429	6 359	48	21	4	23	22	-
Nonmanufacturing industries	2 610	2 095	449	27	166	256	61	5
Linemen and servicemen, telephone and power	1 317	1 291	26	-	4	22	-	-
Locomotive engineers and firemen	70	65	5	5	-	-	-	-
Mechanics and repairmen	10 460	9 097	537	42	90	405	820	6
Air conditioning, heating, and refrigeration	515	430	8	-	4	4	77	-
Aircraft	61	61	-	-	-	-	-	-
Automobile, including body	3 481	2 749	243	22	18	203	489	-
Radio and television	434	310	40	11	-	29	84	-
Other mechanics and repairmen	5 969	5 547	246	9	68	169	170	6
Metal craftsmen, except mechanics	7 249	7 092	88	10	66	12	69	-
Machinists and job and die setters	2 925	2 900	19	-	13	6	6	-
Sheetmetal workers and tinsmiths	1 010	962	15	-	15	-	33	-
Tool and die makers	2 126	2 104	8	-	8	-	14	-
Other metal craftsmen	1 188	1 126	46	10	30	6	16	-
Printing craftsmen	2 077	1 992	26	7	4	15	59	-
Compositors and typesetters	688	648	6	-	-	6	34	-
Pressmen and plate printers, printing	1 005	975	15	7	4	4	15	-
Stationary engineers and power station operators	1 024	739	270	6	51	213	11	4
Other craftsmen and kindred workers	5 479	4 723	230	30	86	114	526	-

Table 173. **Occupation of Employed Persons by Class of Worker, Race, 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	Total employed	Private wage and salary workers	Government workers				Self-employed workers	Unpaid family workers
			Total	Federal	State	Local		
ROCHESTER SMSA—Continued								
Total—Continued								
Male, 16 years old and over—Continued								
Operatives, except transport	**32 174**	**30 996**	**619**	**98**	**179**	**342**	**549**	**10**
Assemblers	3 086	3 035	33	18	4	11	18	-
Checkers, examiners, and inspectors; manufacturing	3 707	3 661	37	10	6	21	9	-
Garage workers and gas station attendants	1 136	1 023	22	-	-	22	86	5
Laundry and drycleaning operatives, n.e.c	278	185	60	4	32	24	33	-
Meat cutters and butchers	740	678	11	-	11	-	51	-
Mine operatives, n.e.c.	129	129	-	-	-	-	-	-
Packers and wrappers, except produce	1 152	1 147	-	-	-	-	5	-
Painters, manufactured articles	437	432	-	-	-	-	5	-
Precision machine operatives	2 792	2 756	11	-	-	11	25	-
Sawyers	93	85	3	-	-	3	5	-
Stationary firemen	313	189	120	6	68	46	4	-
Textile operatives	79	74	-	-	-	-	5	-
Welders and flamecutters	1 454	1 372	58	10	5	43	24	-
Other metalworking operatives	1 729	1 708	11	-	-	11	10	-
Other specified operatives	6 286	5 960	134	23	48	63	187	5
Miscellaneous and not specified operatives	8 763	8 562	119	27	5	87	82	-
Occupation:								
Machine operatives, miscellaneous specified	4 251	4 189	34	6	-	28	28	-
Machine operatives, not specified	2 072	2 037	30	-	5	25	5	-
Miscellaneous operatives	1 359	1 315	31	8	-	23	13	-
Not specified operatives	1 081	1 021	24	13	-	11	36	-
Industry:								
Manufacturing	7 967	7 859	67	22	-	45	41	-
Durable goods	6 207	6 150	46	16	-	30	11	-
Wood products, including furniture	73	67	-	-	-	-	6	-
Primary metal industries	142	137	5	5	-	-	-	-
Fabricated metal industries	351	341	10	-	-	10	-	-
Machinery, including electrical	1 243	1 219	24	11	-	13	-	-
Motor vehicles and equipment	162	162	-	-	-	-	-	-
Transportation equipment, except motor vehicles	24	24	-	-	-	-	-	-
Other durable goods	4 212	4 200	7	-	-	7	5	-
Nondurable goods	1 745	1 694	21	6	-	15	30	-
Food and kindred products	581	563	5	-	-	5	13	-
Apparel and other fabricated textile products	82	70	-	-	-	-	12	-
Paper and allied products	370	364	6	-	-	6	-	-
Chemicals and allied products	161	161	-	-	-	-	-	-
Other nondurable goods	551	536	10	6	-	4	5	-
Not specified manufacturing industries	15	15	-	-	-	-	-	-
Nonmanufacturing industries	796	703	52	5	5	42	41	-
Transportation, communications, and other public utilities	118	102	16	-	-	16	-	-
Wholesale and retail trade	325	320	-	-	-	-	5	-
All other industries	353	281	36	5	5	26	36	-
Transport equipment operatives	**9 884**	**8 028**	**1 280**	**66**	**191**	**1 023**	**571**	**5**
Bus drivers	709	290	411	4	48	359	8	-
Taxicab drivers and chauffeurs	415	292	27	6	12	9	96	-
Truck drivers and deliverymen	6 586	5 507	694	40	102	552	380	5
Other transport equipment operatives	2 174	1 939	148	16	29	103	87	-
Laborers, except farm	**11 099**	**9 238**	**1 582**	**216**	**343**	**1 023**	**254**	**25**
Construction laborers	1 958	1 668	290	5	113	172	-	-
Freight, stock, and material handlers	5 157	4 566	496	162	21	313	75	20
Other specified laborers	2 652	1 982	515	36	148	331	150	5
Miscellaneous and not specified laborers	1 332	1 022	281	13	61	207	29	-
Occupation:								
Miscellaneous laborers	383	274	92	-	22	70	17	-
Not specified laborers	949	748	189	13	39	137	12	-
Industry:								
Manufacturing	572	563	9	4	5	-	-	-
Durable goods	434	425	9	4	5	-	-	-
Wood products, including furniture	20	20	-	-	-	-	-	-
Metal industries	94	89	5	-	5	-	-	-
Machinery, including electrical	78	78	-	-	-	-	-	-
Transportation equipment	21	21	-	-	-	-	-	-
Other durable goods	221	217	4	4	-	-	-	-
Nondurable goods	128	128	-	-	-	-	-	-
Food and kindred products	61	61	-	-	-	-	-	-
Not specified manufacturing industries	10	10	-	-	-	-	-	-
Nonmanufacturing industries	760	459	272	9	56	207	29	-
Railroads and railway express service	82	62	20	-	16	4	-	-
Transportation, except railroads	12	-	12	-	-	12	-	-
Communications, and utilities and sanitary services	112	29	83	-	-	83	-	-
Wholesale and retail trade	194	182	-	-	-	-	12	-
All other industries	360	186	157	9	40	108	17	-
Farmers and farm managers	**2 793**	**237**	**13**	**-**	**13**	**-**	**2 538**	**5**
Farm laborers and farm foremen	**1 965**	**1 739**	**43**	**-**	**24**	**19**	**31**	**152**
Paid farm laborers and farm foremen	1 813	1 739	43	-	24	19	31	-
Unpaid family workers	152	-	-	-	-	-	-	152
Service workers, except private household[1]	**17 620**	**11 677**	**5 033**	**165**	**1 434**	**3 434**	**865**	**45**
Cleaning service workers	5 821	4 346	1 394	83	348	963	60	21
Food service workers	4 606	3 970	312	14	241	57	310	14
Cooks, except private household	1 554	1 312	125	8	98	19	117	-
Busboys and dishwashers	1 116	1 042	70	6	49	15	4	-
Health service workers	747	199	543	10	442	91	5	-
Personal service workers	1 325	672	169	10	110	49	474	10
Protective service workers	3 777	1 321	2 450	44	259	2 147	6	-
Firemen, fire protection	741	62	679	-	6	673	-	-
Guards and watchmen	1 475	1 211	258	20	99	139	6	-
Policemen and detectives	1 282	48	1 234	16	120	1 098	-	-
Private household workers	**48**	**48**	**-**	**-**	**-**	**-**	**-**	**-**

[1]Includes allocated cases not shown separately.

Table 173. **Occupation of Employed Persons by Class of Worker, Race, 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	Total employed	Private wage and salary workers	Government workers				Self-employed workers	Unpaid family workers
			Total	Federal	State	Local		
ROCHESTER SMSA—Continued								
Total—Continued								
Female, 16 years old and over	**136 986**	**109 182**	**23 497**	**1 663**	**6 286**	**15 548**	**3 445**	**862**
Professional, technical, and kindred workers	**22 591**	**12 289**	**9 461**	**206**	**1 535**	**7 720**	**798**	**43**
Accountants	664	551	73	20	9	44	34	6
Computer specialists	431	386	39	–	34	5	6	–
Librarians	557	189	368	–	21	347	–	–
Mathematical specialists	43	43	–	–	–	–	–	–
Life and physical scientists	260	243	17	–	5	12	–	–
Registered nurses, dietitians, and therapists	4 890	3 636	1 035	25	349	661	219	–
Dietitians	159	137	17	–	5	12	5	–
Registered nurses	4 495	3 348	933	25	287	621	214	–
Health technologists and technicians	994	916	73	9	39	25	5	–
Social scientists	118	90	28	–	10	18	–	–
Social and recreation workers	826	261	559	7	81	471	–	6
Teachers: College and university	613	336	277	9	213	55	–	–
Elementary and prekindergarten	5 927	1 737	4 164	53	299	3 812	26	–
Secondary	2 511	613	1 898	–	142	1 756	–	–
Other teachers	569	213	117	6	66	45	229	10
Engineering and science technicians	547	506	36	–	31	5	5	–
Technicians, except health, and engineering and science	44	31	13	4	–	9	–	–
Writers, artists, and entertainers	1 113	957	57	6	18	33	93	6
Actors and dancers	10	10	–	–	–	–	–	–
Authors, editors, and reporters	364	333	6	6	–	–	25	–
Other professional, technical, and kindred workers	2 484	1 581	707	67	218	422	181	15
Managers and administrators, except farm	**3 738**	**2 662**	**670**	**89**	**137**	**444**	**331**	**75**
Buyers, purchasing agents, and sales managers	611	576	15	–	–	15	20	–
Restaurant, cafeteria, and bar managers	288	149	77	6	10	61	48	14
School administrators	315	156	159	–	40	119	–	–
Other specified managers and administrators	904	544	323	65	63	195	31	6
Managers and administrators, n.e.c., salaried	1 333	1 237	96	18	24	54	–	–
Wholesale and retail trade	430	430	–	–	–	–	–	–
Managers and administrators, n.e.c., self-employed	287	–	–	–	–	–	232	55
Wholesale and retail trade	186	–	–	–	–	–	160	26
Sales workers	**10 044**	**9 422**	**106**	**42**	**28**	**36**	**445**	**71**
Demonstrators, hucksters, and peddlers	387	323	–	–	–	–	64	–
Insurance, real estate agents, and brokers	398	323	–	–	–	–	75	–
Sales clerks, retail trade	7 718	7 345	59	28	22	9	253	61
Salesmen, retail trade	265	241	–	–	–	–	19	5
Other sales workers	1 276	1 190	47	14	6	27	34	5
Clerical and kindred workers	**50 034**	**42 441**	**6 883**	**1 059**	**1 903**	**3 921**	**351**	**359**
Bank tellers	1 238	1 177	56	22	5	29	–	5
Bookkeepers	5 333	4 702	374	31	88	255	154	103
Cashiers	3 735	3 418	274	–	69	205	19	24
Counter clerks, except food	671	633	6	–	6	–	17	15
Enumerators and interviewers	140	73	57	46	–	11	10	–
File clerks	1 450	1 284	161	9	93	59	–	5
Office machine operators	2 125	1 939	186	12	72	102	–	–
Bookkeeping and billing machine operators	155	131	24	–	10	14	–	–
Keypunch operators	1 205	1 105	100	7	37	56	–	–
Payroll and timekeeping clerks	794	738	56	10	21	25	–	–
Receptionists	1 388	1 156	205	53	78	74	–	27
Secretaries	15 257	13 320	1 756	111	552	1 093	86	95
Stenographers	601	339	262	12	140	110	–	–
Telephone operators	1 305	1 177	128	10	32	86	–	–
Typists	4 512	3 524	954	112	272	570	14	20
Other clerical and kindred workers	11 485	8 961	2 408	631	475	1 302	51	65
Craftsmen and kindred workers	**2 869**	**2 594**	**177**	**26**	**67**	**84**	**82**	**16**
Foremen, n.e.c.	610	576	34	6	17	11	–	–
Operatives, except transport	**22 893**	**22 193**	**480**	**57**	**182**	**241**	**189**	**31**
Assemblers	5 169	5 101	63	21	8	34	5	–
Bottling and canning operatives	179	179	–	–	–	–	–	–
Checkers, examiners, and inspectors, manufacturing	2 721	2 706	15	–	10	5	–	–
Dressmakers and seamstresses, except factory	418	322	13	–	8	5	77	6
Laundry and drycleaning operatives, including ironers	883	748	119	–	106	13	10	6
Graders and sorters, manufacturing	66	62	4	4	–	–	–	–
Packers and wrappers, except produce	2 263	2 240	9	–	5	4	5	9
Sewers and stitchers	2 644	2 594	24	–	4	20	26	–
Textile operatives	123	118	–	–	–	–	5	–
Other specified operatives	4 556	4 364	143	22	15	106	39	10
Miscellaneous and not specified operatives	3 871	3 759	90	10	26	54	22	–
Manufacturing	3 571	3 532	30	10	8	12	9	–
Durable goods	2 132	2 111	17	10	3	4	4	–
Machinery, including electrical	817	807	10	10	–	–	–	–
Other durable goods	1 315	1 304	7	–	3	4	4	–
Nondurable goods, including not specified manufacturing	1 439	1 421	13	–	5	8	5	–
Food and kindred products	509	494	10	–	5	5	5	–
Apparel and other fabricated textile products	125	125	–	–	–	–	–	–
Nonmanufacturing industries	300	227	60	–	18	42	13	–
Transport equipment operatives	**682**	**333**	**339**	**–**	**69**	**270**	**10**	**–**
Laborers, except farm	**1 021**	**905**	**65**	**12**	**12**	**41**	**34**	**17**
Farmers and farm managers	**219**	**11**	**5**	**–**	**–**	**5**	**203**	**–**
Farm laborers and farm foremen	**451**	**319**	**–**	**–**	**–**	**–**	**–**	**132**
Paid farm laborers and farm foremen	319	319	–	–	–	–	–	–
Unpaid family workers	132	–	–	–	–	–	–	132
Service workers, except private household[1]	**20 239**	**13 821**	**5 311**	**172**	**2 353**	**2 786**	**989**	**118**
Cleaning service workers	2 431	1 741	675	13	184	478	12	3
Chambermaids and maids	632	530	102	–	21	81	–	–
Food service workers	7 961	6 124	1 573	17	704	852	177	87
Cooks, except private household	1 224	757	340	8	136	196	83	44
Waiters and food counter workers	4 628	4 048	501	4	281	216	53	26
Health service workers	4 911	3 344	1 509	36	1 035	438	47	11
Nursing aides, orderlies, and attendants	3 122	1 830	1 289	16	953	320	3	–
Practical nurses	1 029	812	173	10	68	95	44	–
Personal service workers	2 896	1 473	716	50	257	409	690	17
Hairdressers and cosmetologists	1 457	842	25	5	20	–	580	10
Private household workers	**2 205**	**2 192**	**–**	**–**	**–**	**–**	**13**	**–**
Private household workers, living in	229	229	–	–	–	–	–	–
Private household workers, living out	1 976	1 963	–	–	–	–	13	–

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

Table 173. **Occupation of Employed Persons by Class of Worker, Race, 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	Total employed	Private wage and salary workers	Government workers				Self-employed workers	Unpaid family workers
			Total	Federal	State	Local		
ROCHESTER SMSA—Continued								
Negro								
Male, 16 years old and over	**10 483**	**8 690**	**1 380**	**226**	**289**	**865**	**413**	-
Professional, technical, and kindred workers	**694**	**438**	**209**	**5**	**74**	**130**	**47**	-
Accountants	22	22	-	-	-	-	-	-
Architects	-	-	-	-	-	-	-	-
Computer specialists	2	2	-	-	-	-	-	-
Engineers	50	50	-	-	-	-	-	-
Aeronautical and astronautical	-	-	-	-	-	-	-	-
Civil	4	4	-	-	-	-	-	-
Electrical and electronic	5	5	-	-	-	-	-	-
Mechanical	4	4	-	-	-	-	-	-
Other engineers	37	37	-	-	-	-	-	-
Lawyers and judges	10	6	4	-	4	-	-	-
Life and physical scientists	15	15	-	-	-	-	-	-
Chemists	15	15	-	-	-	-	-	-
Physicians, dentists, and related practitioners	44	18	5	5	-	-	21	-
Dentists	12	-	5	5	-	-	7	-
Pharmacists	-	-	-	-	-	-	-	-
Physicians, medical and osteopathic	32	18	-	-	-	-	14	-
Other related practitioners	-	-	-	-	-	-	-	-
Health technologists and technicians	24	23	1	-	-	1	-	-
Religious workers	38	24	-	-	-	-	14	-
Social scientists	14	5	9	-	6	3	-	-
Social and recreation workers	57	33	24	-	5	19	-	-
Teachers	84	30	54	-	12	42	-	-
College and university	32	17	15	-	8	7	-	-
Elementary and prekindergarten	11	4	7	-	-	7	-	-
Secondary	32	-	32	-	4	28	-	-
Engineering and science technicians	112	102	10	-	4	6	-	-
Draftsmen and surveyors	57	51	6	-	-	6	-	-
Electrical and electronic engineering technicians	12	12	-	-	-	-	-	-
Technicians, except health, and engineering and science	-	-	-	-	-	-	-	-
Airplane pilots	-	-	-	-	-	-	-	-
Writers, artists, and entertainers	60	36	19	-	19	-	5	-
Other professional, technical, and kindred workers	162	72	83	-	24	59	7	-
Managers and administrators, except farm	**383**	**201**	**72**	**16**	**12**	**44**	**110**	-
Buyers, purchasing agents, and sales managers	22	14	8	8	-	-	-	-
School administrators	35	6	23	-	6	17	6	-
Specified managers and administrators, public administration	13	-	13	4	-	9	-	-
Other specified managers and administrators	177	121	17	4	-	13	39	-
Managers and administrators, n.e.c., salaried	71	60	11	-	6	5	-	-
Manufacturing	7	7	-	-	-	-	-	-
Wholesale and retail trade	17	17	-	-	-	-	-	-
Transportation, communications and other public utilities	-	-	-	-	-	-	-	-
All other industries	47	36	11	-	6	5	-	-
Managers and administrators, n.e.c., self-employed	65	-	-	-	-	-	65	-
Construction	12	-	-	-	-	-	12	-
Manufacturing	-	-	-	-	-	-	-	-
Wholesale and retail trade	18	-	-	-	-	-	18	-
All other industries	35	-	-	-	-	-	35	-
Sales workers	**142**	**136**	-	-	-	-	**6**	-
Insurance agents, brokers, and underwriters	-	-	-	-	-	-	-	-
Real estate agents and brokers	-	-	-	-	-	-	-	-
Sales representatives, manufacturing industries	15	15	-	-	-	-	-	-
Sales representatives, wholesale trade	16	16	-	-	-	-	-	-
Sales clerks, retail trade	30	24	-	-	-	-	6	-
Salesmen, retail trade	22	22	-	-	-	-	-	-
Salesmen of services and construction	-	-	-	-	-	-	-	-
Other sales workers	59	59	-	-	-	-	-	-
Clerical and kindred workers	**664**	**502**	**145**	**89**	**13**	**43**	**17**	-
Bank tellers and cashiers	30	18	-	-	-	-	12	-
Bookkeepers and billing clerks	16	16	-	-	-	-	-	-
Mail handlers and postal clerks	47	5	42	38	-	4	-	-
Other clerical and kindred workers	571	463	103	51	13	39	5	-
Craftsmen and kindred workers	**1 901**	**1 662**	**97**	**17**	**23**	**57**	**142**	-
Apparel craftsmen and upholsterers	3	-	3	-	3	-	-	-
Bakers	34	30	4	-	4	-	-	-
Cabinetmakers	-	-	-	-	-	-	-	-
Construction craftsmen	527	432	50	5	16	29	45	-
Carpenters	102	78	5	5	-	-	19	-
Excavating, grading, and road machine operators	81	50	31	-	13	18	-	-
Electricians	33	33	-	-	-	-	-	-
Masons and tile setters	102	80	6	-	-	6	16	-
Painters, construction and maintenance, and paperhangers	42	29	3	-	3	-	10	-
Plasterers and cement finishers	61	56	5	-	-	5	-	-
Plumbers and pipe fitters	50	50	-	-	-	-	-	-
Other construction craftsmen	56	56	-	-	-	-	-	-
Foremen, n.e.c	195	187	8	-	-	8	-	-
Manufacturing	99	99	-	-	-	-	-	-
Nonmanufacturing industries	96	88	8	-	-	8	-	-
Linemen and servicemen, telephone and power	22	22	-	-	-	-	-	-
Locomotive engineers and firemen	-	-	-	-	-	-	-	-
Mechanics and repairmen	312	266	9	-	-	9	37	-
Air conditioning, heating, and refrigeration	10	6	-	-	-	-	4	-
Aircraft	5	5	-	-	-	-	-	-
Automobile, including body	129	106	5	-	-	5	18	-
Radio and television	22	9	4	-	-	4	9	-
Other mechanics and repairmen	146	140	-	-	-	-	6	-
Metal craftsmen, except mechanics	272	266	6	6	-	-	-	-
Machinists and job and die setters	138	138	-	-	-	-	-	-
Sheetmetal workers and tinsmiths	20	20	-	-	-	-	-	-
Tool and die makers	23	23	-	-	-	-	-	-
Other metal craftsmen	91	85	6	6	-	-	-	-
Printing craftsmen	43	43	-	-	-	-	-	-
Compositors and typesetters	27	27	-	-	-	-	-	-
Pressmen and plate printers, printing	11	11	-	-	-	-	-	-
Stationary engineers and power station operators	24	13	11	-	-	11	-	-
Other craftsmen and kindred workers	469	403	6	6	-	-	60	-

Table 173. **Occupation of Employed Persons by Class of Worker, Race, 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	Total employed	Private wage and salary workers	Government workers				Self-employed workers	Unpaid family workers
			Total	Federal	State	Local		
ROCHESTER SMSA—Continued								
Negro—Continued								
Male, 16 years old and over—Continued								
Operatives, except transport	**2 397**	**2 217**	**157**	**38**	**34**	**85**	**23**	-
Assemblers	227	216	11	-	4	7	-	-
Checkers, examiners, and inspectors; manufacturing	177	168	9	-	-	9	-	-
Garage workers and gas station attendants	18	18	-	-	-	-	-	-
Laundry and drycleaning operatives, n.e.c	48	35	13	4	5	4	-	-
Meat cutters and butchers	62	62	-	-	-	-	-	-
Mine operatives, n.e.c	-	-	-	-	-	-	-	-
Packers and wrappers, except produce	139	139	-	-	-	-	-	-
Painters, manufactured articles	15	15	-	-	-	-	-	-
Precision machine operatives	118	118	-	-	-	-	-	-
Sawyers	-	-	-	-	-	-	-	-
Stationary firemen	50	12	38	6	8	24	-	-
Textile operatives	7	7	-	-	-	-	-	-
Welders and flamecutters	73	62	6	-	-	6	5	-
Other metalworking operatives	128	122	6	-	-	6	-	-
Other specified operatives	650	616	24	12	12	-	10	-
Miscellaneous and not specified operatives	685	627	50	16	5	29	8	-
Occupation:								
Machine operatives, miscellaneous specified	257	250	7	-	-	7	-	-
Machine operatives, not specified	294	274	20	-	5	15	-	-
Miscellaneous operatives	61	50	3	3	-	-	8	-
Not specified operatives	73	53	20	13	-	7	-	-
Industry:								
Manufacturing	630	584	38	16	-	22	8	-
Durable goods	456	423	33	16	-	17	-	-
Wood products, including furniture	-	-	-	-	-	-	-	-
Primary metal industries	30	25	5	5	-	-	-	-
Fabricated metal industries	16	6	10	-	-	10	-	-
Machinery, including electrical	124	113	11	11	-	-	-	-
Motor vehicles and equipment	5	5	-	-	-	-	-	-
Transportation equipment, except motor vehicles	4	4	-	-	-	-	-	-
Other durable goods	277	270	7	-	-	7	-	-
Nondurable goods	170	157	5	-	-	5	8	-
Food and kindred products	84	71	5	-	-	5	8	-
Apparel and other fabricated textile products	5	5	-	-	-	-	-	-
Paper and allied products	42	42	-	-	-	-	-	-
Chemicals and allied products	7	7	-	-	-	-	-	-
Other nondurable goods	32	32	-	-	-	-	-	-
Not specified manufacturing industries	4	4	-	-	-	-	-	-
Nonmanufacturing industries	55	43	12	-	5	7	-	-
Transportation, communications, and other public utilities	7	-	7	-	-	7	-	-
Wholesale and retail trade	30	30	-	-	-	-	-	-
All other industries	18	13	5	-	5	-	-	-
Transport equipment operatives	**733**	**627**	**102**	-	**5**	**97**	**4**	-
Bus drivers	62	24	38	-	-	38	-	-
Taxicab drivers and chauffeurs	23	23	-	-	-	-	-	-
Truck drivers and deliverymen	396	362	30	-	5	25	4	-
Other transport equipment operatives	252	218	34	-	-	34	-	-
Laborers, except farm	**1 681**	**1 365**	**305**	**26**	**65**	**214**	**11**	-
Construction laborers	547	524	23	-	4	19	-	-
Freight, stock, and material handlers	348	208	137	9	6	122	3	-
Other specified laborers	574	474	92	8	55	29	8	-
Miscellaneous and not specified laborers	212	159	53	9	-	44	-	-
Occupation:								
Miscellaneous laborers	55	35	20	-	-	20	-	-
Not specified laborers	157	124	33	9	-	24	-	-
Industry:								
Manufacturing	99	95	4	4	-	-	-	-
Durable goods	69	65	4	4	-	-	-	-
Wood products, including furniture	7	7	-	-	-	-	-	-
Metal industries	19	19	-	-	-	-	-	-
Machinery, including electrical	12	12	-	-	-	-	-	-
Transportation equipment	-	-	-	-	-	-	-	-
Other durable goods	31	27	4	4	-	-	-	-
Nondurable goods	20	20	-	-	-	-	-	-
Food and kindred products	-	-	-	-	-	-	-	-
Not specified manufacturing industries	10	10	-	-	-	-	-	-
Nonmanufacturing industries	113	64	49	5	-	44	-	-
Railroads and railway express service	12	12	-	-	-	-	-	-
Transportation, except railroads	-	-	-	-	-	-	-	-
Communications, and utilities and sanitary services	31	8	23	-	-	23	-	-
Wholesale and retail trade	17	17	-	-	-	-	-	-
All other industries	53	27	26	5	-	21	-	-
Farmers and farm managers	**9**	-	-	-	-	-	**9**	-
Farm laborers and farm foremen	**271**	**265**	-	-	-	-	**6**	-
Paid farm laborers and farm foremen	271	265	-	-	-	-	6	-
Unpaid family workers	-	-	-	-	-	-	-	-
Service workers, except private household[1]	**1 601**	**1 270**	**293**	**35**	**63**	**195**	**38**	-
Cleaning service workers	808	681	122	20	16	86	5	-
Food service workers	264	226	8	-	-	8	30	-
Cooks, except private household	156	129	8	-	-	8	19	-
Busboys and dishwashers	27	27	-	-	-	-	-	-
Health service workers	94	44	50	5	24	21	-	-
Personal service workers	58	15	40	10	14	16	3	-
Protective service workers	155	86	69	-	9	60	-	-
Firemen, fire protection	14	-	14	-	-	14	-	-
Guards and watchmen	86	80	6	-	6	-	-	-
Policemen and detectives	40	6	34	-	3	31	-	-
Private household workers	**7**	**7**	-	-	-	-	-	-

[1]Includes allocated cases not shown separately.

Table 173. **Occupation of Employed Persons by Class of Worker, Race, 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	Total employed	Private wage and salary workers	Government workers				Self-employed workers	Unpaid family workers
			Total	Federal	State	Local		
ROCHESTER SMSA—Continued								
Negro—Continued								
Female, 16 years old and over	**8 552**	**6 434**	**1 973**	**266**	**662**	**1 045**	**118**	**27**
Professional, technical, and kindred workers	**794**	**304**	**481**	**34**	**150**	**297**	**9**	**-**
Accountants	21	12	9	9	-	-	-	-
Computer specialists	5	-	5	-	5	-	-	-
Librarians	19	-	19	-	4	15	-	-
Mathematical specialists	-	-	-	-	-	-	-	-
Life and physical scientists	5	-	5	-	5	-	-	-
Registered nurses, dietitians, and therapists	195	91	95	-	24	71	9	-
Dietitians	22	17	5	-	5	-	-	-
Registered nurses	173	74	90	-	19	71	9	-
Health technologists and technicians	56	43	13	3	10	-	-	-
Social scientists	-	-	-	-	-	-	-	-
Social and recreation workers	55	22	33	7	8	18	-	-
Teachers: College and university	32	13	19	5	9	5	-	-
Elementary and prekindergarten	165	31	134	-	10	124	-	-
Secondary	23	-	23	-	6	17	-	-
Other teachers	24	6	18	6	5	7	-	-
Engineering and science technicians	-	-	-	-	-	-	-	-
Technicians, except health, and engineering and science	-	-	-	-	-	-	-	-
Writers, artists, and entertainers	33	19	14	-	-	14	-	-
Actors and dancers	-	-	-	-	-	-	-	-
Authors, editors, and reporters	5	5	-	-	-	-	-	-
Other professional, technical, and kindred workers	161	67	94	4	64	26	-	-
Managers and administrators, except farm	**107**	**72**	**27**	**9**	**6**	**12**	**8**	**-**
Buyers, purchasing agents, and sales managers	14	14	-	-	-	-	-	-
Restaurant, cafeteria, and bar managers	16	10	6	6	-	-	-	-
School administrators	13	6	7	-	-	7	-	-
Other specified managers and administrators	16	16	-	-	-	-	-	-
Managers and administrators, n.e.c., salaried	40	26	14	3	6	5	-	-
Wholesale and retail trade	5	5	-	-	-	-	-	-
Managers and administrators, n.e.c., self-employed	8	-	-	-	-	-	8	-
Wholesale and retail trade	8	-	-	-	-	-	8	-
Sales workers	**204**	**161**	**33**	**27**	**-**	**6**	**10**	**-**
Demonstrators, hucksters, and peddlers	-	-	-	-	-	-	-	-
Insurance, real estate agents, and brokers	-	-	-	-	-	-	-	-
Sales clerks, retail trade	141	108	23	23	-	-	10	-
Salesmen, retail trade	-	-	-	-	-	-	-	-
Other sales workers	63	53	10	4	-	6	-	-
Clerical and kindred workers	**1 612**	**1 172**	**409**	**84**	**107**	**218**	**10**	**21**
Bank tellers	19	19	-	-	-	-	-	-
Bookkeepers	72	45	17	3	-	14	10	-
Cashiers	74	51	18	-	-	18	-	5
Counter clerks, except food	13	3	-	-	-	-	-	10
Enumerators and interviewers	-	-	-	-	-	-	-	-
File clerks	58	58	-	-	-	-	-	-
Office machine operators	85	82	3	-	-	3	-	-
Bookkeeping and billing machine operators	-	-	-	-	-	-	-	-
Keypunch operators	48	45	3	-	-	3	-	-
Payroll and timekeeping clerks	-	-	-	-	-	-	-	-
Receptionists	45	21	24	5	10	9	-	-
Secretaries	273	199	74	15	20	39	-	-
Stenographers	17	5	12	-	6	6	-	-
Telephone operators	111	97	14	5	-	9	-	-
Typists	185	157	28	-	9	19	-	-
Other clerical and kindred workers	660	435	219	56	62	101	-	6
Craftsmen and kindred workers	**211**	**185**	**23**	**-**	**19**	**4**	**3**	**-**
Foremen, n.e.c	30	30	-	-	-	-	-	-
Operatives, except transport	**2 190**	**2 066**	**115**	**-**	**45**	**70**	**9**	**-**
Assemblers	478	466	12	-	4	8	-	-
Bottling and canning operatives	12	12	-	-	-	-	-	-
Checkers, examiners, and inspectors; manufacturing	128	123	5	-	5	-	-	-
Dressmakers and seamstresses, except factory	35	35	-	-	-	-	-	-
Laundry and drycleaning operatives, including ironers	221	187	34	-	26	8	-	-
Graders and sorters, manufacturing	-	-	-	-	-	-	-	-
Packers and wrappers, except produce	185	185	-	-	-	-	-	-
Sewers and stitchers	107	100	3	-	-	3	4	-
Textile operatives	12	12	-	-	-	-	-	-
Other specified operatives	625	571	49	-	7	42	5	-
Miscellaneous and not specified operatives	387	375	12	-	3	9	-	-
Manufacturing	355	348	7	-	3	4	-	-
Durable goods	222	215	7	-	3	4	-	-
Machinery, including electrical	70	70	-	-	-	-	-	-
Other durable goods	152	145	7	-	3	4	-	-
Nondurable goods, including not specified manufacturing	133	133	-	-	-	-	-	-
Food and kindred products	76	76	-	-	-	-	-	-
Apparel and other fabricated textile products	4	4	-	-	-	-	-	-
Nonmanufacturing industries	32	27	5	-	-	5	-	-
Transport equipment operatives	**12**	**7**	**5**	**-**	**-**	**5**	**-**	**-**
Laborers, except farm	**117**	**89**	**24**	**-**	**3**	**21**	**4**	**-**
Farmers and farm managers	**8**	**-**	**-**	**-**	**-**	**-**	**8**	**-**
Farm laborers and farm foremen	**47**	**47**	**-**	**-**	**-**	**-**	**-**	**-**
Paid farm laborers and farm foremen	47	47	-	-	-	-	-	-
Unpaid family workers	-	-	-	-	-	-	-	-
Service workers, except private household[1]	**2 656**	**1 737**	**856**	**112**	**332**	**412**	**57**	**6**
Cleaning service workers	611	462	149	-	40	109	-	-
Chambermaids and maids	220	185	35	-	7	28	-	-
Food service workers	365	289	70	13	39	18	-	6
Cooks, except private household	74	66	8	8	-	-	-	-
Waiters and food counter workers	106	101	5	-	5	-	-	-
Health service workers	976	649	322	22	225	75	5	-
Nursing aides, orderlies, and attendants	763	489	274	7	208	59	-	-
Practical nurses	119	84	30	10	11	9	5	-
Personal service workers	270	98	140	40	12	88	32	-
Hairdressers and cosmetologists	78	46	5	5	-	-	27	-
Private household workers	**594**	**594**	**-**	**-**	**-**	**-**	**-**	**-**
Private household workers, living in	31	31	-	-	-	-	-	-
Private household workers, living out	563	563	-	-	-	-	-	-

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

Table 173. **Occupation of Employed Persons by Class of Worker, Race, 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	Total employed	Private wage and salary workers	Government workers				Self-employed workers	Unpaid family workers
			Total	Federal	State	Local		
SYRACUSE SMSA								
Total								
Male, 16 years old and over	**148 350**	**116 593**	**18 784**	**3 317**	**5 901**	**9 566**	**12 672**	**301**
Professional, technical, and kindred workers	**25 370**	**17 181**	**5 868**	**615**	**2 493**	**2 760**	**2 316**	**5**
Accountants	1 818	1 472	195	91	70	34	151	-
Architects	258	164	16	4	7	5	78	-
Computer specialists	688	663	25	11	6	8	-	-
Engineers	5 141	4 650	392	86	247	59	99	-
Aeronautical and astronautical	11	11	-	-	-	-	-	-
Civil	611	310	272	31	207	34	29	-
Electrical and electronic	1 663	1 635	28	9	19	-	-	-
Mechanical	673	649	8	4	-	4	16	-
Other engineers	2 183	2 045	84	42	21	21	54	-
Lawyers and judges	871	215	108	28	38	42	548	-
Life and physical scientists	547	425	117	48	65	4	5	-
Chemists	394	330	59	23	32	4	5	-
Physicians, dentists, and related practitioners	1 639	388	361	70	273	18	890	-
Dentists	264	14	14	14	-	-	236	-
Pharmacists	317	222	27	5	16	6	68	-
Physicians, medical and osteopathic	952	128	320	51	257	12	504	-
Other related practitioners	106	24	-	-	-	-	82	-
Health technologists and technicians	261	126	117	18	67	32	18	-
Religious workers	539	446	4	-	4	-	89	-
Social scientists	339	244	79	21	10	48	16	-
Social and recreation workers	360	104	244	15	50	179	12	-
Teachers	4 870	1 897	2 943	15	912	2 016	30	-
College and university	2 101	1 385	716	-	648	68	-	-
Elementary and prekindergarten	744	106	638	10	102	526	-	-
Secondary	1 835	305	1 530	5	152	1 373	-	-
Engineering and science technicians	2 779	2 475	268	60	146	62	36	-
Draftsmen and surveyors	1 191	1 058	97	10	44	43	36	-
Electrical and electronic engineering technicians	718	659	59	45	9	5	-	-
Technicians, except health, and engineering and science	250	145	93	50	18	25	12	-
Airplane pilots	84	77	-	-	-	-	7	-
Writers, artists, and entertainers	1 873	1 543	130	22	79	29	200	-
Other professional, technical, and kindred workers	3 137	2 224	776	76	501	199	132	5
Managers and administrators, except farm	**15 854**	**11 866**	**1 634**	**290**	**479**	**865**	**2 315**	**39**
Buyers, purchasing agents, and sales managers	2 450	2 270	69	4	39	26	111	-
School administrators	485	128	357	-	69	288	-	-
Specified managers and administrators, public administration	718	-	718	247	197	274	-	-
Other specified managers and administrators	2 780	2 010	177	14	78	85	572	21
Managers and administrators, n.e.c., salaried	7 771	7 458	313	25	96	192	-	-
Manufacturing	2 001	2 001	-	-	-	-	-	-
Wholesale and retail trade	2 629	2 625	4	4	-	-	-	-
Transportation, communications and other public utilities	714	669	45	-	4	41	-	-
All other industries	2 427	2 163	264	21	92	151	-	-
Managers and administrators, n.e.c., self-employed	1 650	-	-	-	-	-	1 632	18
Construction	321	-	-	-	-	-	321	-
Manufacturing	84	-	-	-	-	-	84	-
Wholesale and retail trade	908	-	-	-	-	-	903	5
All other industries	337	-	-	-	-	-	324	13
Sales workers	**11 858**	**10 488**	**65**	**23**	**15**	**27**	**1 263**	**42**
Insurance agents, brokers, and underwriters	1 578	1 366	11	6	5	-	201	-
Real estate agents and brokers	457	304	5	-	5	-	148	-
Sales representatives, manufacturing industries	1 755	1 664	-	-	-	-	91	-
Sales representatives, wholesale trade	2 563	2 318	-	-	-	-	237	8
Sales clerks, retail trade	2 427	2 129	15	5	5	5	266	17
Salesmen, retail trade	1 219	1 132	-	-	-	-	87	-
Salesmen of services and construction	617	559	12	7	-	5	41	5
Other sales workers	1 242	1 016	22	5	-	17	192	12
Clerical and kindred workers	**12 101**	**9 312**	**2 624**	**1 700**	**534**	**390**	**155**	**10**
Bank tellers and cashiers	445	383	46	-	42	4	6	10
Bookkeepers and billing clerks	991	863	73	30	23	20	55	-
Mail handlers and postal clerks	1 579	171	1 408	1 374	29	5	-	-
Other clerical and kindred workers	9 086	7 895	1 097	296	440	361	94	-
Craftsmen and kindred workers	**30 967**	**26 504**	**1 951**	**203**	**671**	**1 077**	**2 491**	**21**
Apparel craftsmen and upholsterers	202	147	5	-	5	-	50	-
Bakers	243	180	10	-	4	6	53	-
Cabinetmakers	130	101	11	-	6	5	18	-
Construction craftsmen	7 483	5 595	724	40	317	367	1 148	16
Carpenters	2 220	1 601	122	22	70	30	481	16
Excavating, grading, and road machine operators	790	417	315	-	92	223	58	-
Electricians	1 305	1 144	95	9	56	30	66	-
Masons and tile setters	555	431	19	-	4	15	105	-
Painters, construction and maintenance, and paperhangers	846	559	96	5	46	45	191	-
Plasterers and cement finishers	137	118	-	-	-	-	19	-
Plumbers and pipe fitters	1 193	969	63	4	35	24	161	-
Other construction craftsmen	437	356	14	-	14	-	67	-
Foremen, n.e.c	4 683	4 395	245	25	80	140	43	-
Manufacturing	2 744	2 706	5	-	5	-	33	-
Nonmanufacturing industries	1 939	1 689	240	25	75	140	10	-
Linemen and servicemen, telephone and power	1 176	1 146	26	5	10	11	4	-
Locomotive engineers and firemen	260	260	-	-	-	-	-	-
Mechanics and repairmen	7 333	6 189	531	64	125	342	608	5
Air conditioning, heating, and refrigeration	447	385	12	12	-	-	50	-
Aircraft	136	113	19	4	15	-	4	-
Automobile, including body	3 040	2 406	258	21	45	192	371	5
Radio and television	371	272	38	15	18	5	61	-
Other mechanics and repairmen	3 339	3 013	204	12	47	145	122	-
Metal craftsmen, except mechanics	4 093	3 980	49	5	15	29	64	-
Machinists and job and die setters	1 643	1 615	17	-	5	12	11	-
Sheetmetal workers and tinsmiths	369	349	10	-	10	-	10	-
Tool and die makers	918	897	5	5	-	-	16	-
Other metal craftsmen	1 163	1 119	17	-	-	17	27	-
Printing craftsmen	960	911	13	-	8	5	36	-
Compositors and typesetters	395	373	5	-	-	5	17	-
Pressmen and plate printers, printing	478	451	8	-	8	-	19	-
Stationary engineers and power station operators	472	339	128	4	52	72	5	-
Other craftsmen and kindred workers	3 932	3 261	209	60	49	100	462	-

Table 173. **Occupation of Employed Persons by Class of Worker, Race, 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	Total employed	Private wage and salary workers	Government workers				Self-employed workers	Unpaid family workers
			Total	Federal	State	Local		
SYRACUSE SMSA—Continued								
Total—Continued								
Male, 16 years old and over—Continued								
Operatives, except transport	**19 534**	**18 559**	**446**	**67**	**135**	**244**	**509**	**20**
Assemblers	1 534	1 502	20	–	–	20	12	–
Checkers, examiners, and inspectors; manufacturing	1 576	1 528	32	10	9	13	16	–
Garage workers and gas station attendants	1 019	944	–	–	–	–	75	–
Laundry and drycleaning operatives, n.e.c	189	140	15	–	4	11	34	–
Meat cutters and butchers	694	629	5	–	–	5	60	–
Mine operatives, n.e.c	71	62	9	–	4	5	–	–
Packers and wrappers, except produce	552	545	7	–	7	–	–	–
Painters, manufactured articles	291	285	–	–	–	–	6	–
Precision machine operatives	1 792	1 772	–	–	–	–	14	6
Sawyers	150	121	–	–	–	–	29	–
Stationary firemen	254	203	51	6	21	24	–	–
Textile operatives	118	114	4	–	4	–	–	–
Welders and flamecutters	1 389	1 324	45	11	11	23	20	–
Other metalworking operatives	1 153	1 122	22	–	–	22	4	5
Other specified operatives	2 650	2 420	99	4	35	60	131	–
Miscellaneous and not specified operatives	6 102	5 848	137	36	40	61	108	9
Occupation:								
Machine operatives, miscellaneous specified	2 370	2 302	25	4	13	8	43	–
Machine operatives, not specified	1 811	1 770	36	10	–	26	5	–
Miscellaneous operatives	1 271	1 164	54	16	22	16	44	9
Not specified operatives	650	612	22	6	5	11	16	–
Industry:								
Manufacturing	5 432	5 315	63	25	11	27	54	–
Durable goods	3 521	3 453	55	20	11	24	13	–
Wood products, including furniture	132	128	–	–	–	–	4	–
Primary metal industries	602	597	5	–	5	–	–	–
Fabricated metal industries	179	179	–	–	–	–	–	–
Machinery, including electrical	1 360	1 331	20	10	6	4	9	–
Motor vehicles and equipment	566	551	15	10	–	5	–	–
Transportation equipment, except motor vehicles	10	6	4	–	–	4	–	–
Other durable goods	672	661	11	–	–	11	–	–
Nondurable goods	1 879	1 830	8	5	–	3	41	–
Food and kindred products	594	568	8	5	–	3	18	–
Apparel and other fabricated textile products	17	17	–	–	–	–	–	–
Paper and allied products	504	499	–	–	–	–	5	–
Chemicals and allied products	573	568	–	–	–	–	5	–
Other nondurable goods	191	178	–	–	–	–	13	–
Not specified manufacturing industries	32	32	–	–	–	–	–	–
Nonmanufacturing industries	670	533	74	11	29	34	54	9
Transportation, communications, and other public utilities	110	105	5	–	–	5	–	–
Wholesale and retail trade	249	233	–	–	–	–	16	–
All other industries	311	195	69	11	29	29	38	9
Transport equipment operatives	**8 462**	**7 035**	**975**	**72**	**207**	**696**	**448**	**4**
Bus drivers	607	409	174	–	64	110	20	4
Taxicab drivers and chauffeurs	320	194	32	20	8	4	94	–
Truck drivers and deliverymen	5 668	4 830	614	31	101	482	224	–
Other transport equipment operatives	1 867	1 602	155	21	34	100	110	–
Laborers, except farm	**7 882**	**6 565**	**1 080**	**109**	**354**	**617**	**206**	**31**
Construction laborers	1 404	1 030	374	–	184	190	–	–
Freight, stock, and material handlers	3 551	3 252	243	99	25	119	52	4
Other specified laborers	1 765	1 312	296	10	115	171	140	17
Miscellaneous and not specified laborers	1 162	971	167	–	30	137	14	10
Occupation:								
Miscellaneous laborers	394	312	72	–	13	59	5	5
Not specified laborers	768	659	95	–	17	78	9	5
Industry:								
Manufacturing	616	600	12	–	–	12	4	–
Durable goods	416	411	5	–	–	5	–	–
Wood products, including furniture	42	42	–	–	–	–	–	–
Metal industries	189	189	–	–	–	–	–	–
Machinery, including electrical	86	86	–	–	–	–	–	–
Transportation equipment	23	23	–	–	–	–	–	–
Other durable goods	76	71	5	–	–	5	–	–
Nondurable goods	200	189	7	–	–	7	4	–
Food and kindred products	83	83	–	–	–	–	–	–
Not specified manufacturing industries	–	–	–	–	–	–	–	–
Nonmanufacturing industries	546	371	155	–	30	125	10	10
Railroads and railway express service	75	75	–	–	–	–	–	–
Transportation, except railroads	24	24	–	–	–	–	–	–
Communications, and utilities and sanitary services	89	31	58	–	–	58	–	–
Wholesale and retail trade	159	144	–	–	–	–	5	10
All other industries	199	97	97	–	30	67	5	–
Farmers and farm managers	**2 328**	**127**	**21**	**–**	**12**	**9**	**2 180**	**–**
Farm laborers and farm foremen	**1 248**	**1 106**	**24**	**–**	**19**	**5**	**10**	**108**
Paid farm laborers and farm foremen	1 140	1 106	24	–	19	5	10	–
Unpaid family workers	108	–	–	–	–	–	–	108
Service workers, except private household[1]	**12 691**	**7 795**	**4 096**	**238**	**982**	**2 876**	**779**	**21**
Cleaning service workers	4 367	2 721	1 546	81	518	947	95	5
Food service workers	3 104	2 698	128	25	58	45	262	16
Cooks, except private household	902	798	32	4	15	13	72	–
Busboys and dishwashers	778	741	33	4	18	11	4	–
Health service workers	322	146	176	19	81	76	–	–
Personal service workers	1 125	654	90	20	17	53	381	–
Protective service workers	2 709	792	1 917	89	257	1 571	–	–
Firemen, fire protection	553	13	540	11	4	525	–	–
Guards and watchmen	1 089	737	352	41	96	215	–	–
Policemen and detectives	896	42	854	31	152	671	–	–
Private household workers	**55**	**55**	**–**	**–**	**–**	**–**	**–**	**–**

[1]Includes allocated cases not shown separately.

Table 173. **Occupation of Employed Persons by Class of Worker, Race, 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	Total employed	Private wage and salary workers	Government workers				Self-employed workers	Unpaid family workers
			Total	Federal	State	Local		
SYRACUSE SMSA—Continued								
Total—Continued								
Female, 16 years old and over	**92 639**	**70 784**	**18 143**	**1 590**	**4 828**	**11 725**	**2 995**	**717**
Professional, technical, and kindred workers	**16 180**	**7 534**	**8 100**	**251**	**1 754**	**6 095**	**498**	**48**
Accountants	626	504	94	22	45	27	22	6
Computer specialists	182	171	11	–	5	6	–	–
Librarians	429	170	259	–	74	185	–	–
Mathematical specialists	36	24	12	–	5	7	–	–
Life and physical scientists	113	75	32	–	16	16	6	–
Registered nurses, dietitians, and therapists	3 266	2 080	1 072	107	424	541	104	10
Dietitians	81	40	41	6	22	13	–	–
Registered nurses	3 058	1 986	958	90	373	495	104	10
Health technologists and technicians	535	361	169	8	98	63	–	5
Social scientists	106	58	44	5	19	20	4	–
Social and recreation workers	639	142	487	26	123	338	5	5
Teachers: College and university	737	520	217	16	153	48	–	–
Elementary and prekindergarten	4 563	1 111	3 446	30	331	3 085	6	–
Secondary	1 965	430	1 535	10	143	1 382	–	–
Other teachers	427	138	97	5	20	72	192	–
Engineering and science technicians	352	286	66	7	33	26	–	–
Technicians, except health, and engineering and science	15	15	–	–	–	–	–	–
Writers, artists, and entertainers	627	521	32	–	13	19	61	13
Actors and dancers	32	32	–	–	–	–	–	–
Authors, editors, and reporters	105	96	4	–	–	4	5	–
Other professional, technical, and kindred workers	1 562	928	527	15	252	260	98	9
Managers and administrators, except farm	**2 883**	**1 885**	**512**	**88**	**95**	**329**	**442**	**44**
Buyers, purchasing agents, and sales managers	504	463	15	11	–	4	23	3
Restaurant, cafeteria, and bar managers	256	69	54	6	4	44	118	15
School administrators	188	53	135	–	46	89	–	–
Other specified managers and administrators	635	326	249	66	25	158	54	6
Managers and administrators, n.e.c., salaried	1 033	974	59	5	20	34	–	–
Wholesale and retail trade	323	323	–	–	–	–	–	–
Managers and administrators, n.e.c., self-employed	267	–	–	–	–	–	247	20
Wholesale and retail trade	157	–	–	–	–	–	153	4
Sales workers	**7 350**	**6 759**	**54**	**5**	**11**	**38**	**439**	**98**
Demonstrators, hucksters, and peddlers	296	213	–	–	–	–	83	–
Insurance, real estate agents, and brokers	621	565	–	–	–	–	56	–
Sales clerks, retail trade	5 126	4 831	25	5	5	15	207	63
Salesmen, retail trade	134	90	6	–	–	6	19	19
Other sales workers	1 173	1 060	23	–	6	17	74	16
Clerical and kindred workers	**35 951**	**29 683**	**5 725**	**1 014**	**1 878**	**2 833**	**292**	**251**
Bank tellers	643	610	33	24	5	4	–	–
Bookkeepers	4 271	3 730	383	43	85	255	83	75
Cashiers	2 467	2 245	187	31	38	118	25	10
Counter clerks, except food	491	475	–	–	–	–	10	6
Enumerators and interviewers	158	98	38	27	11	–	22	–
File clerks	1 101	881	205	29	92	84	–	15
Office machine operators	1 571	1 414	152	36	32	84	5	–
Bookkeeping and billing machine operators	174	144	30	11	4	15	–	–
Keypunch operators	985	898	82	10	21	51	5	–
Payroll and timekeeping clerks	457	392	65	–	21	44	–	–
Receptionists	845	667	168	15	93	60	–	10
Secretaries	10 071	8 406	1 532	226	600	706	37	96
Stenographers	452	223	220	42	117	61	9	–
Telephone operators	1 327	1 242	85	21	36	28	–	–
Typists	3 259	2 363	851	142	303	406	36	9
Other clerical and kindred workers	8 838	6 937	1 806	378	445	983	65	30
Craftsmen and kindred workers	**1 545**	**1 370**	**106**	**5**	**24**	**77**	**65**	**4**
Foremen, n.e.c.	414	402	12	–	6	6	–	–
Operatives, except transport	**10 949**	**10 584**	**165**	**25**	**31**	**109**	**153**	**47**
Assemblers	2 233	2 201	19	6	–	13	9	4
Bottling and canning operatives	34	34	–	–	–	–	–	–
Checkers, examiners, and inspectors; manufacturing	1 130	1 107	18	10	–	8	5	–
Dressmakers and seamstresses, except factory	199	144	–	–	–	–	48	7
Laundry and drycleaning operatives, including ironers	592	534	30	–	7	23	23	5
Graders and sorters, manufacturing	21	21	–	–	–	–	–	–
Packers and wrappers, except produce	1 332	1 305	16	–	6	10	4	7
Sewers and stitchers	744	704	25	5	–	20	15	–
Textile operatives	69	69	–	–	–	–	–	–
Other specified operatives	2 037	1 942	35	4	18	13	44	16
Miscellaneous and not specified operatives	2 558	2 523	22	–	–	22	5	8
Manufacturing	2 324	2 316	–	–	–	–	–	8
Durable goods	1 450	1 446	–	–	–	–	–	4
Machinery, including electrical	628	628	–	–	–	–	–	–
Other durable goods	822	818	–	–	–	–	–	4
Nondurable goods, including not specified manufacturing	874	870	–	–	–	–	–	4
Food and kindred products	168	164	–	–	–	–	–	4
Apparel and other fabricated textile products	9	9	–	–	–	–	–	–
Nonmanufacturing industries	234	207	22	–	–	22	5	–
Transport equipment operatives	**481**	**199**	**246**	**4**	**44**	**198**	**28**	**8**
Laborers, except farm	**809**	**690**	**63**	**24**	**16**	**23**	**40**	**16**
Farmers and farm managers	**137**	**8**	**–**	**–**	**–**	**–**	**129**	**–**
Farm laborers and farm foremen	**266**	**156**	**11**	**–**	**–**	**11**	**7**	**92**
Paid farm laborers and farm foremen	174	156	11	–	–	11	7	–
Unpaid family workers	92	–	–	–	–	–	–	92
Service workers, except private household[1]	**14 284**	**10 122**	**3 161**	**174**	**975**	**2 012**	**892**	**109**
Cleaning service workers	1 945	1 432	491	18	185	288	16	6
Chambermaids and maids	497	398	93	7	53	33	–	6
Food service workers	6 147	4 837	1 105	39	351	715	111	94
Cooks, except private household	1 332	890	334	9	112	213	53	55
Waiters and food counter workers	3 645	3 261	329	18	112	199	29	26
Health service workers	2 739	1 800	915	100	308	507	20	4
Nursing aides, orderlies, and attendants	1 440	912	528	53	168	307	–	–
Practical nurses	780	497	263	27	92	144	20	–
Personal service workers	2 079	1 103	318	17	83	218	658	–
Hairdressers and cosmetologists	1 215	625	4	–	4	–	586	–
Private household workers	**1 804**	**1 794**	**–**	**–**	**–**	**–**	**10**	**–**
Private household workers, living in	180	180	–	–	–	–	–	–
Private household workers, living out	1 624	1 614	–	–	–	–	10	–

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

Table 173. **Occupation of Employed Persons by Class of Worker, Race, 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	Total employed	Private wage and salary workers	Government workers				Self-employed workers	Unpaid family workers
			Total	Federal	State	Local		
UTICA–ROME SMSA								
Total								
Male, 16 years old and over	**76 890**	**54 706**	**13 802**	**4 821**	**3 863**	**5 118**	**8 047**	**335**
Professional, technical, and kindred workers	**11 957**	**7 066**	**3 839**	**1 369**	**856**	**1 614**	**1 052**	**-**
Accountants	602	445	77	48	20	9	80	-
Architects	24	9	-	-	-	-	15	-
Computer specialists	411	321	90	86	-	4	-	-
Engineers	2 615	1 803	797	603	162	32	15	-
Aeronautical and astronautical	38	38	-	-	-	-	-	-
Civil	269	75	194	60	112	22	-	-
Electrical and electronic	1 076	650	422	412	10	-	4	-
Mechanical	262	238	24	24	-	-	-	-
Other engineers	970	802	157	107	40	10	11	-
Lawyers and judges	435	91	56	10	6	40	288	-
Life and physical scientists	177	88	84	76	8	-	5	-
Chemists	71	66	-	-	-	-	5	-
Physicians, dentists, and related practitioners	761	168	89	4	81	4	504	-
Dentists	179	6	-	-	-	-	173	-
Pharmacists	155	124	-	-	-	-	31	-
Physicians, medical and osteopathic	373	28	83	4	75	4	262	-
Other related practitioners	54	10	6	-	6	-	38	-
Health technologists and technicians	95	41	54	5	43	6	-	-
Religious workers	280	248	5	-	5	-	27	-
Social scientists	96	59	37	10	11	16	-	-
Social and recreation workers	217	51	166	6	78	82	-	-
Teachers	2 056	612	1 434	23	212	1 199	10	-
College and university	318	197	121	-	53	68	-	-
Elementary and prekindergarten	516	118	398	5	34	359	-	-
Secondary	1 044	190	854	18	88	748	-	-
Engineering and science technicians	1 799	1 475	310	233	55	22	14	-
Draftsmen and surveyors	503	447	52	15	25	12	4	-
Electrical and electronic engineering technicians	895	703	192	187	-	5	-	-
Technicians, except health, and engineering and science	269	194	75	64	5	6	-	-
Airplane pilots	140	133	7	7	-	-	-	-
Writers, artists, and entertainers	694	543	97	73	13	11	54	-
Other professional, technical, and kindred workers	1 426	918	468	128	157	183	40	-
Managers and administrators, except farm	**7 291**	**4 684**	**1 166**	**441**	**259**	**466**	**1 434**	**7**
Buyers, purchasing agents, and sales managers	1 107	910	72	63	9	-	125	-
School administrators	242	30	208	5	31	172	4	-
Specified managers and administrators, public administration	601	-	601	335	131	135	-	-
Other specified managers and administrators	1 131	800	101	28	42	31	223	7
Managers and administrators, n.e.c., salaried	3 128	2 944	184	10	46	128	-	-
Manufacturing	1 024	1 024	-	-	-	-	-	-
Wholesale and retail trade	1 004	1 004	-	-	-	-	-	-
Transportation, communications and other public utilities	184	165	19	-	-	19	-	-
All other industries	916	751	165	10	46	109	-	-
Managers and administrators, n.e.c., self-employed	1 082	-	-	-	-	-	1 082	-
Construction	167	-	-	-	-	-	167	-
Manufacturing	65	-	-	-	-	-	65	-
Wholesale and retail trade	684	-	-	-	-	-	684	-
All other industries	166	-	-	-	-	-	166	-
Sales workers	**4 734**	**3 909**	**35**	**11**	**9**	**15**	**765**	**25**
Insurance agents, brokers, and underwriters	625	521	-	-	-	-	104	-
Real estate agents and brokers	168	83	4	-	-	4	81	-
Sales representatives, manufacturing industries	526	501	-	-	-	-	25	-
Sales representatives, wholesale trade	849	741	-	-	-	-	108	-
Sales clerks, retail trade	1 217	958	-	-	-	-	241	18
Salesmen, retail trade	576	470	-	-	-	-	99	7
Salesmen of services and construction	236	180	10	-	5	5	46	-
Other sales workers	537	455	21	11	4	6	61	-
Clerical and kindred workers	**6 076**	**4 198**	**1 729**	**1 319**	**203**	**207**	**122**	**27**
Bank tellers and cashiers	236	190	35	-	28	7	11	-
Bookkeepers and billing clerks	569	421	96	39	24	33	46	6
Mail handlers and postal clerks	827	72	755	755	-	-	-	-
Other clerical and kindred workers	4 444	3 515	843	525	151	167	65	21
Craftsmen and kindred workers	**16 172**	**12 692**	**1 877**	**725**	**574**	**578**	**1 592**	**11**
Apparel craftsmen and upholsterers	101	70	4	-	4	-	27	-
Bakers	164	117	18	-	11	7	29	-
Cabinetmakers	92	81	-	-	-	-	11	-
Construction craftsmen	3 698	2 247	717	209	285	223	727	7
Carpenters	1 230	743	117	33	57	27	363	7
Excavating, grading, and road machine operators	526	210	294	70	74	150	22	-
Electricians	647	478	90	57	20	13	79	-
Masons and tile setters	233	166	23	10	9	4	44	-
Painters, construction and maintenance, and paperhangers	347	157	96	23	50	23	94	-
Plasterers and cement finishers	59	41	6	-	6	-	12	-
Plumbers and pipe fitters	449	314	65	16	43	6	70	-
Other construction craftsmen	207	138	26	-	26	-	43	-
Foremen, n.e.c	2 728	2 419	281	130	76	75	28	-
Manufacturing	1 824	1 812	12	6	6	-	-	-
Nonmanufacturing industries	904	607	269	124	70	75	28	-
Linemen and servicemen, telephone and power	524	453	71	49	13	9	-	-
Locomotive engineers and firemen	54	54	-	-	-	-	-	-
Mechanics and repairmen	4 322	3 305	498	239	67	192	515	4
Air conditioning, heating, and refrigeration	235	167	14	5	4	5	54	-
Aircraft	338	275	59	59	-	-	4	-
Automobile, including body	1 489	969	180	60	15	105	340	-
Radio and television	266	174	57	57	-	-	35	-
Other mechanics and repairmen	1 994	1 720	188	58	48	82	82	4
Metal craftsmen, except mechanics	2 344	2 225	57	24	29	4	62	-
Machinists and job and die setters	934	885	26	15	11	-	23	-
Sheetmetal workers and tinsmiths	202	186	4	-	-	4	12	-
Tool and die makers	609	593	6	-	6	-	10	-
Other metal craftsmen	599	561	21	9	12	-	17	-
Printing craftsmen	429	381	24	19	-	5	24	-
Compositors and typesetters	229	210	-	-	-	-	19	-
Pressmen and plate printers, printing	158	129	24	19	-	5	5	-
Stationary engineers and power station operators	208	146	62	-	26	36	-	-
Other craftsmen and kindred workers	1 508	1 194	145	55	63	27	169	-

Table 173. **Occupation of Employed Persons by Class of Worker, Race, 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	Total employed	Private wage and salary workers	Government workers				Self-employed workers	Unpaid family workers
			Total	Federal	State	Local		
UTICA–ROME SMSA—Continued								
Total—Continued								
Male, 16 years old and over—Continued								
Operatives, except transport	**12 707**	**11 883**	**527**	**250**	**184**	**93**	**279**	**18**
Assemblers	1 192	1 166	21	16	–	5	5	–
Checkers, examiners, and inspectors; manufacturing	1 102	1 067	29	24	5	–	6	–
Garage workers and gas station attendants	486	383	–	–	–	–	98	5
Laundry and drycleaning operatives, n.e.c	133	54	71	–	71	–	8	–
Meat cutters and butchers	430	357	6	–	6	–	67	–
Mine operatives, n.e.c	44	44	–	–	–	–	–	–
Packers and wrappers, except produce	285	279	6	6	–	–	–	–
Painters, manufactured articles	103	98	–	–	–	–	5	–
Precision machine operatives	1 422	1 400	18	14	–	4	4	–
Sawyers	176	167	3	–	–	3	6	–
Stationary firemen	218	151	67	19	23	25	–	–
Textile operatives	312	307	5	5	–	–	–	–
Welders and flamecutters	449	391	41	21	20	–	13	4
Other metalworking operatives	1 220	1 202	18	5	–	13	–	–
Other specified operatives	1 364	1 209	102	50	37	15	48	5
Miscellaneous and not specified operatives	3 771	3 608	140	90	22	28	19	4
Occupation:								
Machine operatives, miscellaneous specified	1 410	1 369	31	10	6	15	10	–
Machine operatives, not specified	1 283	1 267	16	16	–	–	–	–
Miscellaneous operatives	787	686	88	64	11	13	9	4
Not specified operatives	291	286	5	–	5	–	–	–
Industry:								
Manufacturing	3 469	3 429	32	21	–	11	8	–
Durable goods	2 853	2 813	32	21	–	11	8	–
Wood products, including furniture	126	126	–	–	–	–	–	–
Primary metal industries	1 110	1 106	4	–	–	4	–	–
Fabricated metal industries	226	226	–	–	–	–	–	–
Machinery, including electrical	588	584	–	–	–	–	4	–
Motor vehicles and equipment	5	5	–	–	–	–	–	–
Transportation equipment, except motor vehicles	211	206	5	5	–	–	–	–
Other durable goods	587	560	23	16	–	7	4	–
Nondurable goods	610	610	–	–	–	–	–	–
Food and kindred products	195	195	–	–	–	–	–	–
Apparel and other fabricated textile products	6	6	–	–	–	–	–	–
Paper and allied products	313	313	–	–	–	–	–	–
Chemicals and allied products	20	20	–	–	–	–	–	–
Other nondurable goods	76	76	–	–	–	–	–	–
Not specified manufacturing industries	6	6	–	–	–	–	–	–
Nonmanufacturing industries	302	179	108	69	22	17	11	4
Transportation, communications, and other public utilities	15	12	3	–	3	–	–	–
Wholesale and retail trade	72	63	–	–	–	–	5	4
All other industries	215	104	105	69	19	17	6	–
Transport equipment operatives	**3 899**	**2 980**	**712**	**137**	**152**	**423**	**207**	–
Bus drivers	324	105	207	5	37	165	12	–
Taxicab drivers and chauffeurs	161	114	41	25	16	–	6	–
Truck drivers and deliverymen	2 950	2 337	433	91	84	258	180	–
Other transport equipment operatives	464	424	31	16	15	–	9	–
Laborers, except farm	**4 137**	**3 167**	**822**	**232**	**275**	**315**	**137**	**11**
Construction laborers	741	464	277	11	125	141	–	–
Freight, stock, and material handlers	1 909	1 624	242	165	6	71	38	5
Other specified laborers	953	688	183	34	114	35	82	–
Miscellaneous and not specified laborers	534	391	120	22	30	68	17	6
Occupation:								
Miscellaneous laborers	210	140	59	17	9	33	11	–
Not specified laborers	324	251	61	5	21	35	6	6
Industry:								
Manufacturing	263	239	12	–	6	6	6	6
Durable goods	199	175	12	–	6	6	6	6
Wood products, including furniture	23	23	–	–	–	–	–	–
Metal industries	107	107	–	–	–	–	–	–
Machinery, including electrical	22	16	6	–	–	6	–	–
Transportation equipment	5	5	–	–	–	–	–	–
Other durable goods	42	24	6	–	6	–	6	6
Nondurable goods	64	64	–	–	–	–	–	–
Food and kindred products	23	23	–	–	–	–	–	–
Not specified manufacturing industries	–	–	–	–	–	–	–	–
Nonmanufacturing industries	271	152	108	22	24	62	11	–
Railroads and railway express service	9	9	–	–	–	–	–	–
Transportation, except railroads	20	10	10	–	5	5	–	–
Communications, and utilities and sanitary services	45	15	30	–	4	26	–	–
Wholesale and retail trade	86	80	–	–	–	–	6	–
All other industries	111	38	68	22	15	31	5	–
Farmers and farm managers	**2 041**	**79**	**13**	–	**13**	–	**1 949**	–
Farm laborers and farm foremen	**930**	**672**	**19**	–	**19**	–	**17**	**222**
Paid farm laborers and farm foremen	708	672	19	–	19	–	17	–
Unpaid family workers	222	–	–	–	–	–	–	222
Service workers, except private household[1]	**6 929**	**3 359**	**3 063**	**337**	**1 319**	**1 407**	**493**	**14**
Cleaning service workers	2 120	1 309	782	116	142	524	29	–
Food service workers	1 411	1 027	161	30	124	7	209	14
Cooks, except private household	498	325	125	20	98	7	45	3
Busboys and dishwashers	222	213	5	–	5	–	–	4
Health service workers	889	103	781	28	722	31	5	–
Personal service workers	636	255	131	–	72	59	250	–
Protective service workers	1 482	375	1 107	111	232	764	–	–
Firemen, fire protection	337	–	337	48	–	289	–	–
Guards and watchmen	446	360	86	26	4	56	–	–
Policemen and detectives	611	9	602	37	202	363	–	–
Private household workers	**17**	**17**	–	–	–	–	–	–

[1]Includes allocated cases not shown separately.

Table 173. **Occupation of Employed Persons by Class of Worker, Race, 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	Total employed	Private wage and salary workers	Government workers				Self-employed workers	Unpaid family workers
			Total	Federal	State	Local		
UTICA–ROME SMSA—Continued								
Total—Continued								
Female, 16 years old and over	**47 268**	**33 672**	**11 255**	**1 683**	**3 931**	**5 641**	**1 745**	**596**
Professional, technical, and kindred workers	**7 522**	**3 016**	**4 317**	**162**	**1 026**	**3 129**	**179**	**10**
Accountants	199	148	37	10	6	21	14	–
Computer specialists	49	49	–	–	–	–	–	–
Librarians	200	67	133	6	15	112	–	–
Mathematical specialists	–	–	–	–	–	–	–	–
Life and physical scientists	12	3	9	–	5	4	–	–
Registered nurses, dietitians, and therapists	2 064	1 210	819	31	417	371	35	–
Dietitians	63	48	15	–	–	15	–	–
Registered nurses	1 933	1 153	745	31	364	350	35	–
Health technologists and technicians	387	282	105	3	31	71	–	–
Social scientists	6	–	6	–	–	6	–	–
Social and recreation workers	334	54	280	17	54	209	–	–
Teachers: College and university	135	81	54	–	28	26	–	–
Elementary and prekindergarten	2 222	439	1 778	22	294	1 462	5	–
Secondary	917	114	803	6	96	701	–	–
Other teachers	163	44	38	–	25	13	81	–
Engineering and science technicians	78	66	12	–	7	5	–	–
Technicians, except health, and engineering and science	9	4	5	5	–	–	–	–
Writers, artists, and entertainers	201	177	14	8	–	6	10	–
Actors and dancers	14	14	–	–	–	–	–	–
Authors, editors, and reporters	57	48	4	4	–	–	5	–
Other professional, technical, and kindred workers	546	278	224	54	48	122	34	10
Managers and administrators, except farm	**1 333**	**767**	**260**	**63**	**27**	**170**	**273**	**33**
Buyers, purchasing agents, and sales managers	176	122	29	11	4	14	25	–
Restaurant, cafeteria, and bar managers	135	47	48	5	6	37	29	11
School administrators	100	55	45	–	12	33	–	–
Other specified managers and administrators	319	163	126	41	5	80	30	–
Managers and administrators, n.e.c., salaried	392	380	12	6	–	6	–	–
Wholesale and retail trade	156	150	6	6	–	–	–	–
Managers and administrators, n.e.c., self-employed	211	–	–	–	–	–	189	22
Wholesale and retail trade	152	–	–	–	–	–	130	22
Sales workers	**3 014**	**2 677**	**60**	**30**	**18**	**12**	**191**	**86**
Demonstrators, hucksters, and peddlers	106	76	6	6	–	–	24	–
Insurance, real estate agents, and brokers	113	104	–	–	–	–	9	–
Sales clerks, retail trade	2 379	2 136	34	11	11	12	128	81
Salesmen, retail trade	92	65	–	–	–	–	27	–
Other sales workers	324	296	20	13	7	–	3	5
Clerical and kindred workers	**15 702**	**12 143**	**3 298**	**1 255**	**706**	**1 337**	**120**	**141**
Bank tellers	351	351	–	–	–	–	–	–
Bookkeepers	2 173	1 772	255	89	33	133	74	72
Cashiers	1 173	1 078	80	6	21	53	11	4
Counter clerks, except food	165	160	–	–	–	–	5	–
Enumerators and interviewers	18	14	4	4	–	–	–	–
File clerks	527	405	122	64	20	38	–	–
Office machine operators	684	594	85	41	11	33	–	5
Bookkeeping and billing machine operators	120	115	5	5	–	–	–	–
Keypunch operators	354	312	37	21	6	10	–	5
Payroll and timekeeping clerks	301	260	41	31	–	10	–	–
Receptionists	371	324	40	15	–	25	4	3
Secretaries	4 050	3 159	848	333	169	346	4	39
Stenographers	435	174	261	42	141	78	–	–
Telephone operators	602	525	72	24	31	17	5	–
Typists	1 442	938	500	241	78	181	4	–
Other clerical and kindred workers	3 410	2 389	990	365	202	423	13	18
Craftsmen and kindred workers	**692**	**600**	**39**	**24**	**5**	**10**	**53**	**–**
Foremen, n.e.c.	111	93	14	9	5	–	4	–
Operatives, except transport	**7 784**	**7 508**	**209**	**50**	**102**	**57**	**36**	**31**
Assemblers	1 737	1 701	36	25	–	11	–	–
Bottling and canning operatives	9	9	–	–	–	–	–	–
Checkers, examiners, and inspectors; manufacturing	868	844	24	10	–	14	–	–
Dressmakers and seamstresses, except factory	88	66	12	–	12	–	10	–
Laundry and drycleaning operatives, including ironers	543	461	66	–	50	16	8	8
Graders and sorters, manufacturing	37	30	7	–	7	–	–	–
Packers and wrappers, except produce	568	555	8	4	4	–	5	–
Sewers and stitchers	1 188	1 183	5	–	5	–	–	–
Textile operatives	378	375	3	–	–	3	–	–
Other specified operatives	1 238	1 170	32	11	12	9	13	23
Miscellaneous and not specified operatives	1 130	1 114	16	–	12	4	–	–
Manufacturing	1 063	1 058	5	–	5	–	–	–
Durable goods	593	593	–	–	–	–	–	–
Machinery, including electrical	249	249	–	–	–	–	–	–
Other durable goods	344	344	–	–	–	–	–	–
Nondurable goods, including not specified manufacturing	470	465	5	–	5	–	–	–
Food and kindred products	59	59	–	–	–	–	–	–
Apparel and other fabricated textile products	118	118	–	–	–	–	–	–
Nonmanufacturing industries	67	56	11	–	7	4	–	–
Transport equipment operatives	**142**	**96**	**38**	**–**	**12**	**26**	**8**	**–**
Laborers, except farm	**317**	**267**	**27**	**4**	**13**	**10**	**13**	**10**
Farmers and farm managers	**289**	**–**	**–**	**–**	**–**	**–**	**289**	**–**
Farm laborers and farm foremen	**241**	**68**	**–**	**–**	**–**	**–**	**–**	**173**
Paid farm laborers and farm foremen	68	68	–	–	–	–	–	–
Unpaid family workers	173	–	–	–	–	–	–	173
Service workers, except private household[1]	**9 221**	**5 530**	**2 996**	**89**	**2 022**	**885**	**583**	**112**
Cleaning service workers	981	829	136	13	78	45	16	–
Chambermaids and maids	280	266	14	–	9	5	–	–
Food service workers	3 333	2 346	797	46	415	336	120	70
Cooks, except private household	848	514	279	10	120	149	34	21
Waiters and food counter workers	1 740	1 410	261	28	175	58	44	25
Health service workers	2 992	1 394	1 566	6	1 269	291	22	10
Nursing aides, orderlies, and attendants	2 158	792	1 354	6	1 181	167	7	5
Practical nurses	524	378	131	–	39	92	15	–
Personal service workers	1 300	533	330	17	217	96	416	21
Hairdressers and cosmetologists	715	328	24	5	19	–	358	5
Private household workers	**1 011**	**1 000**	**11**	**6**	**–**	**5**	**–**	**–**
Private household workers, living in	127	127	–	–	–	–	–	–
Private household workers, living out	884	873	11	6	–	5	–	–

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

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	**32 693**	**4 378 187**	**82 221**	**126 388**	**416 797**	**506 551**	**453 545**	**949 203**	**936 598**	**397 901**	**297 438**	**211 545**	**41.4**
Professional, technical, and kindred workers	**642**	**726 248**	**1 635**	**5 341**	**79 058**	**120 189**	**97 281**	**176 204**	**130 624**	**47 221**	**37 906**	**30 789**	**38.4**
Accountants	5	64 706	42	278	7 435	11 024	7 039	13 190	12 948	5 302	4 179	3 269	40.0
Architects	–	6 036	4	5	248	785	980	1 703	1 145	358	368	440	40.8
Computer specialists	4	24 943	38	244	4 136	7 594	5 079	5 488	1 956	276	84	48	30.5
Engineers	–	102 280	20	114	6 743	14 164	14 600	30 373	23 294	6 037	4 479	2 456	40.1
Aeronautical and astronautical	–	4 843	–	–	410	567	586	1 580	1 274	280	93	53	40.4
Civil	–	14 706	–	22	823	2 033	2 189	4 293	2 665	964	1 048	669	40.3
Electrical and electronic	–	27 291	6	38	2 061	4 171	4 256	9 083	5 313	1 145	959	259	38.4
Mechanical	–	13 660	6	23	923	1 618	1 846	3 754	3 692	877	630	291	41.4
Other engineers	–	41 780	8	31	2 526	5 775	5 723	11 663	10 350	2 771	1 749	1 184	40.9
Lawyers and judges	5	40 076	–	13	710	5 257	4 746	9 774	6 786	3 512	4 801	4 477	44.5
Life and physical scientists	4	13 931	–	43	1 066	2 353	2 362	3 874	2 608	907	431	287	37.9
Chemists	–	9 211	–	22	758	1 524	1 445	2 482	1 820	658	288	214	38.5
Physicians, dentists, and related practitioners	16	60 090	15	68	947	6 242	6 991	13 825	12 296	6 413	6 069	7 224	46.6
Dentists	10	11 866	–	2	44	834	1 410	2 462	3 159	1 265	1 094	1 596	48.7
Pharmacists	–	10 217	5	45	596	921	929	2 165	1 671	1 101	1 494	1 290	47.7
Physicians, medical and osteopathic	6	33 616	4	6	271	4 089	4 287	8 113	6 275	3 549	3 152	3 870	45.1
Other related practitioners	–	4 391	6	15	36	398	365	1 085	1 191	498	329	468	47.4
Health technologists and technicians	9	8 367	37	174	1 665	1 552	1 307	1 771	1 136	387	207	131	32.9
Religious workers	43	15 208	53	157	1 050	1 513	1 638	3 462	3 219	1 466	1 243	1 407	44.2
Social scientists	–	11 933	–	5	943	2 700	2 081	3 157	1 828	508	401	310	35.8
Social and recreation workers	131	15 693	171	322	2 370	2 967	2 072	3 413	2 514	866	625	373	34.9
Teachers	115	121 238	305	579	21 621	24 697	17 000	28 258	16 667	5 477	4 208	2 426	33.9
College and university	–	31 539	22	190	3 099	5 257	5 185	8 500	5 490	1 679	1 275	842	37.4
Elementary and prekindergarten	36	26 425	82	129	7 560	6 083	3 055	5 356	2 441	807	600	312	29.5
Secondary	44	55 774	81	94	10 135	12 351	7 841	12 851	7 414	2 390	1 912	705	33.3
Engineering and science technicians	8	58 909	202	1 116	10 016	10 980	7 533	13 106	9 959	3 226	1 938	833	34.7
Draftsmen and surveyors	8	25 257	92	677	4 960	4 665	3 117	5 467	3 528	1 288	929	534	33.6
Electrical and electronic engineering technicians	–	14 405	23	108	2 001	2 888	2 103	3 376	2 731	708	368	99	35.2
Technicians, except health, and engineering and science	20	8 560	41	74	777	1 201	1 217	2 432	2 115	403	218	82	39.0
Airplane pilots	–	2 563	–	–	99	380	430	815	744	72	23	–	39.6
Writers, artists, and entertainers	99	79 943	473	1 053	7 291	11 507	10 463	20 582	14 865	5 757	4 175	3 777	39.5
Other professional, technical, and kindred workers	183	94 335	234	1 096	12 040	15 653	12 173	21 796	17 288	6 326	4 480	3 249	37.7
Managers and administrators, except farm	**409**	**509 827**	**571**	**2 034**	**21 620**	**45 170**	**50 812**	**128 611**	**136 725**	**57 064**	**39 300**	**27 920**	**45.4**
Buyers, purchasing agents, and sales managers	16	67 224	112	371	3 512	6 933	7 167	16 830	17 827	7 112	4 471	2 889	44.2
School administrators	4	13 038	11	13	155	680	1 187	4 527	3 609	1 526	972	358	44.9
Specified managers and administrators, public administration	–	25 122	–	88	509	1 316	1 535	5 337	8 432	3 784	2 587	1 534	49.5
Other specified managers and administrators	207	103 641	219	532	6 765	11 510	11 387	23 745	24 238	11 233	8 375	5 637	44.0
Managers and administrators, n.e.c., salaried	159	254 615	193	959	9 831	22 357	26 286	68 437	69 604	26 742	17 757	12 449	44.9
Manufacturing	79	73 548	24	88	1 441	5 079	6 825	20 470	23 036	8 072	5 085	3 428	46.2
Wholesale and retail trade	47	75 043	82	628	4 520	7 276	7 751	17 802	19 540	8 024	5 347	4 073	44.7
Transportation, communications, and other public utilities	–	23 412	14	43	678	1 955	2 387	6 742	6 742	2 204	1 815	832	44.8
All other industries	33	82 612	73	200	3 192	8 047	9 323	23 423	20 286	8 442	5 510	4 116	43.7
Managers and administrators, n.e.c., self-employed	23	46 187	36	71	848	2 374	3 250	9 735	13 015	6 667	5 138	5 053	50.2
Construction	–	6 513	6	23	142	388	649	1 830	1 915	598	552	410	46.1
Manufacturing	6	4 600	–	8	48	169	277	879	1 375	729	540	575	51.7
Wholesale and retail trade	6	23 641	19	24	476	1 224	1 429	4 584	6 458	3 822	2 832	2 773	51.3
All other industries	11	11 433	11	16	182	593	895	2 442	3 267	1 518	1 214	1 295	49.8
Sales workers	**12 066**	**346 737**	**10 212**	**11 050**	**29 466**	**37 459**	**31 753**	**68 851**	**72 840**	**32 909**	**25 655**	**26 542**	**42.8**
Insurance agents, brokers, and underwriters	66	32 892	37	147	2 276	4 154	3 427	8 773	7 852	2 475	2 015	1 736	42.3
Real estate agents and brokers	11	12 288	17	35	384	823	860	2 434	3 039	1 503	1 228	1 965	50.2
Sales representatives, manufacturing industries	41	45 866	146	152	2 533	5 607	4 911	10 991	10 630	4 554	3 287	3 055	43.7
Sales representatives, wholesale trade	52	59 410	133	408	3 578	6 497	5 546	12 754	14 536	6 662	4 906	4 390	45.5
Sales clerks, retail trade	715	95 728	6 347	7 531	11 604	7 672	6 352	13 491	17 054	9 354	7 799	8 524	41.2
Salesmen, retail trade	36	29 805	389	813	2 676	2 931	2 484	5 906	7 410	2 867	2 088	2 241	44.5
Salesmen of services and construction	51	16 234	192	221	1 149	2 158	1 716	3 785	3 469	1 517	1 077	950	42.1
Other sales workers	11 094	54 514	2 951	1 743	5 266	7 617	6 457	10 717	8 850	3 977	3 255	3 681	38.0
Clerical and kindred workers	**2 852**	**475 914**	**13 357**	**26 687**	**70 905**	**55 970**	**40 637**	**81 207**	**89 958**	**41 477**	**31 410**	**24 306**	**38.7**
Bank tellers and cashiers	245	21 252	2 033	2 709	3 786	2 289	1 343	2 300	2 826	1 591	1 223	1 152	29.6
Bookkeepers and billing clerks	95	42 732	326	1 142	6 313	5 432	3 494	7 233	7 585	4 232	3 606	3 369	41.4
Mail handlers and postal clerks	178	70 440	1 086	2 913	7 235	5 855	4 602	14 677	20 805	7 516	3 955	1 796	44.2
Other clerical and kindred workers	2 334	341 490	9 912	19 923	53 571	42 394	31 198	56 997	58 742	28 138	22 626	17 989	37.4
Craftsmen and kindred workers	**1 050**	**824 023**	**4 062**	**15 062**	**69 499**	**91 596**	**86 921**	**190 807**	**195 871**	**79 551**	**59 816**	**30 838**	**42.6**
Apparel craftsmen and upholsterers	12	17 458	31	151	563	1 207	1 164	3 074	4 327	2 565	2 178	2 198	50.9
Bakers	12	11 028	129	210	588	812	970	2 612	2 782	1 567	951	407	45.7
Cabinetmakers	5	5 421	3	56	344	425	509	1 161	1 347	545	644	387	46.6
Construction craftsmen	152	199 720	817	2 999	14 641	21 710	21 681	48 813	46 626	18 608	15 859	7 966	42.8
Carpenters	34	56 481	279	818	3 885	5 503	5 720	14 199	14 221	5 271	4 149	2 436	43.5
Excavating, grading, and road machine operators	9	15 001	35	119	784	1 537	1 908	4 194	3 889	1 385	866	284	42.4
Electricians	24	37 738	76	692	4 212	5 433	3 957	8 429	7 640	3 227	2 848	1 224	40.3
Masons and tile setters	4	14 967	22	182	763	1 283	1 980	4 669	3 368	1 111	1 095	494	42.0
Painters, construction and maintenance, and paperhangers	59	27 074	272	482	1 571	2 500	2 712	5 856	6 067	3 004	2 856	1 754	45.2
Plasterers and cement finishers	–	5 419	15	64	226	413	586	1 628	1 339	515	437	196	43.6
Plumbers and pipe fitters	–	31 744	50	416	2 198	3 428	3 470	7 274	7 511	3 215	2 917	1 265	43.7
Other construction craftsmen	22	11 29[illegible]	68	226	1 002	1 613	1 348	2 564	2 591	880	691	313	40.4
Foremen, n.e.c.	29	118 511	103	411	3 679	9 167	11 795	31 028	35 799	14 556	8 794	3 179	45.9
Manufacturing	5	63 881	49	212	1 723	4 888	6 532	16 397	20 063	8 003	4 496	1 518	46.1
Nonmanufacturing industries	24	54 630	54	199	1 956	4 279	5 263	14 631	15 736	6 553	4 298	1 661	45.6
Linemen and servicemen, telephone and power	16	39 054	124	1 860	8 322	6 823	4 442	9 653	5 350	1 203	1 101	176	32.7
Locomotive engineers and firemen	–	3 877	–	22	215	317	348	602	1 310	509	372	182	48.3
Mechanics and repairmen	229	187 188	1 520	4 894	20 212	25 294	22 093	42 678	41 017	15 121	10 046	4 313	39.6
Air conditioning, heating, and refrigeration	–	12 075	38	181	1 078	1 650	1 519	2 991	2 748	997	607	266	40.3
Aircraft	–	9 293	11	56	837	1 532	1 288	2 304	2 426	519	264	56	39.0
Automobile, including body	98	69 561	840	2 725	9 413	9 865	8 686	15 384	12 963	5 025	3 180	1 480	37.1
Radio and television	24	10 519	112	260	1 002	1 468	1 253	2 718	2 269	769	412	256	39.3
Other mechanics and repairmen	107	85 740	519	1 672	7 882	10 779	9 347	19 281	20 611	7 811	5 583	2 255	41.6
Metal craftsmen, except mechanics	35	71 972	162	1 122	5 919	7 555	6 577	14 780	20 169	7 901	5 685	2 102	44.9
Machinists and job and die setters	–	29 887	65	517	2 661	3 205	2 713	5 856	8 212	3 391	2 403	864	44.9
Sheetmetal workers and tinsmiths	21	9 748	21	195	858	1 245	1 161	2 380	2 188	803	656	241	40.9
Tool and die makers	9	15 885	64	261	1 367	1 553	1 207	3 195	4 775	1 641	1 277	545	45.6
Other metal craftsmen	5	16 452	12	149	1 033	1 552	1 496	3 349	4 994	2 066	1 349	452	46.3
Printing craftsmen	49	43 175	327	1 140	4 183	4 860	5 041	10 445	8 412	4 086	2 940	1 741	40.8
Compositors and typesetters	25	17 968	189	507	1 602	1 831	2 176	4 101	3 208	1 770	1 582	1 002	41.5
Pressmen and plate printers, printing	18	18 645	125	509	2 044	2 351	2 205	4 594	3 718	1 606	978	515	39.5
Stationary engineers and power station operators	5	12 679	4	78	534	852	1 059	2 676	3 644	1 753	1 368	711	48.1
Other craftsmen and kindred workers	506	113 940	842	2 119	10 299	12 574	11 242	23 285	25 088	11 137	9 878	7 476	43.5

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	**1 984**	**470 706**	**9 126**	**18 379**	**50 211**	**52 951**	**46 184**	**94 291**	**104 714**	**46 315**	**31 964**	**16 571**	**41.2**
Assemblers	62	35 057	511	1 350	4 306	4 317	3 430	6 834	8 047	3 344	2 077	841	40.3
Checkers, examiners, and inspectors, manufacturing	25	28 671	57	472	2 856	3 481	2 663	5 827	7 599	3 063	2 025	628	43.2
Garage workers and gas station attendants	269	17 971	3 847	3 633	2 775	1 319	936	1 624	1 704	737	663	733	22.7
Laundry and drycleaning operatives, n.e.c	30	8 517	196	315	595	771	686	1 807	2 083	921	546	597	44.4
Meat cutters and butchers	43	23 231	167	407	1 557	2 005	2 329	5 014	5 848	2 700	2 094	1 110	45.2
Mine operatives, n.e.c	–	1 577	16	33	168	158	185	327	331	206	125	28	42.0
Packers and wrappers, except produce	208	20 839	1 119	1 698	2 796	2 263	2 099	3 692	3 796	1 625	1 007	744	36.2
Painters, manufactured articles	–	6 010	67	202	669	710	634	1 331	1 382	561	329	125	40.4
Precision machine operatives	27	25 000	74	766	2 851	3 058	2 341	4 568	6 373	2 543	1 818	608	42.5
Sawyers	4	2 737	9	94	262	210	239	574	653	328	244	124	44.7
Stationary firemen	5	7 635	28	61	440	705	655	1 715	1 869	1 103	734	325	46.1
Textile operatives	3	7 372	54	226	759	844	778	1 470	1 636	796	487	322	42.0
Welders and flamecutters	12	23 694	53	362	1 829	2 983	2 799	5 413	6 205	2 513	1 168	369	42.1
Other metalworking operatives	39	22 430	122	592	2 297	2 334	2 188	4 560	5 592	2 583	1 562	600	43.1
Other specified operatives	988	110 127	1 162	3 107	10 463	11 675	10 714	22 767	23 787	11 289	9 033	6 130	42.9
Miscellaneous and not specified operatives	269	129 838	1 644	5 061	15 588	16 118	13 508	26 768	27 809	12 003	8 052	3 287	39.9
Occupation:													
Machine operatives, miscellaneous specified	46	46 463	369	1 541	5 378	5 398	4 983	9 776	10 374	4 522	3 043	1 079	40.7
Machine operatives, not specified	35	35 593	176	1 233	4 287	5 236	4 086	7 636	7 401	3 055	1 884	599	38.6
Miscellaneous operatives	163	33 277	869	1 663	4 160	3 845	2 930	6 582	6 852	3 004	2 222	1 150	39.8
Not specified operatives	25	14 505	230	624	1 763	1 639	1 509	2 774	3 182	1 422	903	459	40.4
Industry:													
Manufacturing	158	108 557	1 054	3 795	12 878	13 635	11 459	22 536	23 815	10 229	6 655	2 501	40.1
Durable goods	82	64 237	516	2 107	7 416	8 258	6 574	13 331	14 801	6 053	3 776	1 405	40.4
Wood products, including furniture	6	3 311	62	154	332	367	338	669	679	327	206	177	41.0
Primary metal industries	8	9 518	51	244	935	1 077	1 010	1 966	2 507	1 072	544	112	42.3
Fabricated metal industries	7	6 796	48	263	782	900	648	1 574	1 468	555	388	170	39.8
Machinery, including electrical	31	18 399	136	624	2 283	2 452	1 766	3 480	4 322	1 917	1 027	392	40.6
Motor vehicles and equipment	6	4 149	17	51	398	569	560	1 073	999	290	152	40	39.5
Transportation equipment, except motor vehicles	–	2 427	5	34	259	308	203	514	653	264	171	16	42.9
Other durable goods	24	19 637	197	737	2 427	2 585	2 049	4 055	4 173	1 628	1 288	498	39.5
Nondurable goods	73	42 601	520	1 661	5 254	5 087	4 686	8 816	8 677	4 078	2 786	1 036	39.6
Food and kindred products	38	8 198	170	236	927	764	877	1 709	1 842	856	619	198	41.6
Apparel and other fabricated textile products	15	3 395	86	126	330	307	344	594	581	452	366	209	43.5
Paper and allied products	–	10 732	56	444	1 383	1 385	1 384	2 591	2 055	827	449	158	37.8
Chemicals and allied products	–	7 286	30	176	926	968	736	1 560	1 699	671	477	43	40.2
Other nondurable goods	20	12 990	178	679	1 688	1 663	1 345	2 362	2 500	1 272	875	428	39.0
Not specified manufacturing industries	3	1 719	18	27	208	290	199	389	337	98	93	60	38.0
Nonmanufacturing industries	111	21 281	590	1 266	2 710	2 483	2 049	4 232	3 994	1 774	1 397	786	38.6
Transportation, communications, and other public utilities	10	5 086	58	214	718	733	535	1 008	1 080	333	349	58	37.8
Wholesale and retail trade	49	7 398	360	552	754	842	693	1 373	1 356	663	487	318	38.6
All other industries	52	8 797	172	500	1 238	908	821	1 851	1 558	778	561	410	39.1
Transport equipment operatives	**1 198**	**252 912**	**2 539**	**6 260**	**22 715**	**27 971**	**28 801**	**59 919**	**57 616**	**23 367**	**15 724**	**8 000**	**41.4**
Bus drivers	8	22 862	15	99	914	1 939	3 024	5 941	6 156	2 452	1 687	635	44.2
Taxicab drivers and chauffeurs	32	37 116	31	639	3 967	3 219	2 989	7 388	8 261	4 325	3 805	2 492	45.4
Truck drivers and deliverymen	738	147 035	2 101	4 269	13 180	17 555	17 582	36 203	32 888	12 684	7 428	3 145	40.2
Other transport equipment operatives	420	45 899	392	1 253	4 654	5 258	5 206	10 387	10 311	3 906	2 804	1 728	41.0
Laborers, except farm	**4 327**	**236 968**	**18 664**	**19 763**	**28 112**	**22 238**	**20 307**	**43 449**	**43 618**	**18 750**	**13 885**	**8 182**	**37.2**
Construction laborers	108	42 016	628	1 778	4 953	4 496	4 357	9 945	8 986	3 552	2 428	893	39.8
Freight, stock, and material handlers	1 561	104 416	13 870	12 242	12 640	9 215	7 958	17 322	17 923	6 960	4 393	1 893	32.7
Other specified laborers	2 176	57 153	2 926	3 807	6 561	5 316	5 060	9 918	9 905	5 058	4 575	4 027	39.9
Miscellaneous and not specified laborers	482	33 383	1 240	1 936	3 958	3 211	2 932	6 264	6 804	3 180	2 489	1 369	40.5
Occupation:													
Miscellaneous laborers	121	11 591	233	473	1 119	1 104	1 213	2 329	2 666	1 187	927	340	42.1
Not specified laborers	361	21 792	1 007	1 463	2 839	2 107	1 719	3 935	4 138	1 993	1 562	1 029	39.5
Industry:													
Manufacturing	46	12 858	249	869	1 973	1 465	1 125	2 225	2 575	1 221	813	343	38.4
Durable goods	13	8 598	103	525	1 204	930	805	1 504	1 868	918	532	209	39.9
Wood products, including furniture	6	507	23	25	92	31	30	59	135	58	25	29	43.9
Metal industries	7	4 010	15	221	571	431	352	758	920	462	244	36	40.5
Machinery, including electrical	–	1 488	10	113	257	201	115	236	271	158	94	33	37.0
Transportation equipment	–	909	11	21	95	120	132	170	188	85	64	23	39.4
Other durable goods	–	1 684	44	145	189	147	176	281	354	155	105	88	40.0
Nondurable goods	33	4 086	135	332	745	514	314	680	667	303	270	126	35.0
Food and kindred products	12	1 379	63	103	212	187	69	308	213	78	114	32	36.8
Not specified manufacturing industries	–	174	11	12	24	21	6	41	40	–	11	8	38.2
Nonmanufacturing industries	436	20 525	991	1 067	1 985	1 746	1 807	4 039	4 229	1 959	1 676	1 026	41.6
Railroads and railway express service	–	1 943	4	39	141	127	92	364	527	270	320	59	48.9
Transportation, except railroads	16	2 369	24	28	160	203	366	720	462	197	126	83	40.6
Communications, and utilities and sanitary services	16	3 008	52	132	255	216	275	780	684	322	209	83	42.4
Wholesale and retail trade	191	4 270	551	409	440	401	295	624	662	348	274	266	35.6
All other industries	213	8 935	360	459	989	799	779	1 551	1 894	822	747	535	42.0
Farmers and farm managers	**115**	**35 749**	**146**	**335**	**1 788**	**2 665**	**2 603**	**7 339**	**8 865**	**4 272**	**3 311**	**4 425**	**48.4**
Farm laborers and farm foremen	**2 716**	**23 655**	**3 476**	**2 784**	**3 650**	**2 259**	**1 651**	**3 105**	**2 674**	**1 346**	**1 097**	**1 613**	**29.2**
Paid farm laborers and farm foremen	2 248	21 561	2 928	2 285	3 295	2 099	1 592	2 984	2 567	1 299	1 050	1 462	30.5
Unpaid family workers	468	2 094	548	499	355	160	59	121	107	47	47	151	20.0
Service workers, except private household[1]	**5 062**	**471 932**	**18 216**	**18 601**	**39 642**	**47 922**	**46 378**	**94 860**	**92 452**	**45 152**	**36 922**	**31 787**	**41.9**
Cleaning service workers	1 161	125 832	3 999	4 479	7 954	7 847	8 829	22 252	28 936	16 477	13 889	11 170	47.6
Food service workers	1 990	113 955	10 823	8 184	10 980	9 129	9 930	20 790	20 243	10 262	7 784	5 830	38.8
Cooks, except private household	228	38 427	2 367	1 991	3 082	3 200	3 920	8 196	7 654	3 760	2 570	1 687	40.7
Busboys and dishwashers	1 115	15 961	4 789	2 606	1 930	1 044	802	1 388	1 568	746	621	467	21.5
Health service workers	50	18 242	489	925	2 811	2 483	1 800	3 267	3 371	1 517	990	589	36.9
Personal service workers	616	51 732	1 748	1 802	3 971	4 641	4 414	8 967	9 735	5 893	5 045	5 516	45.3
Protective service workers	55	123 336	160	1 169	9 399	19 744	17 531	31 987	23 186	7 675	6 395	6 090	39.3
Firemen, fire protection	–	20 443	5	18	650	2 756	3 787	6 874	4 506	1 194	543	110	39.4
Guards and watchmen	23	38 807	129	692	2 714	3 476	3 145	6 710	8 241	4 447	4 583	4 670	48.1
Policemen and detectives	32	59 965	21	438	5 794	13 154	10 317	17 550	9 631	1 669	933	458	35.1
Private household workers	**272**	**3 516**	**217**	**92**	**131**	**161**	**217**	**560**	**641**	**477**	**448**	**572**	**50.9**

[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	**15 423**	**2 745 814**	**63 550**	**135 679**	**399 246**	**260 754**	**207 585**	**515 518**	**612 708**	**255 185**	**176 731**	**118 858**	**40.9**
Professional, technical, and kindred workers	**890**	**465 813**	**1 775**	**5 551**	**84 057**	**74 677**	**47 883**	**92 827**	**84 468**	**34 307**	**24 628**	**15 640**	**37.0**
Accountants	5	14 910	56	417	2 464	1 482	991	2 826	3 700	1 485	943	546	42.2
Computer specialists	7	7 153	16	142	2 639	2 016	817	781	499	150	65	28	26.9
Librarians	36	9 127	119	328	1 003	849	533	1 798	2 317	1 047	710	423	44.6
Mathematical specialists	–	1 714	8	15	393	232	163	235	317	169	129	53	37.0
Life and physical scientists	–	2 959	4	13	609	658	385	603	419	114	88	66	32.5
Registered nurses, dietitians, and therapists	32	90 354	114	641	14 810	13 406	10 218	19 563	17 161	6 795	4 656	2 990	38.1
Dietitians	7	3 614	45	77	462	475	352	743	772	340	244	104	40.3
Registered nurses	25	81 861	54	500	13 107	12 036	9 389	17 911	15 728	6 213	4 182	2 741	38.3
Health technologists and technicians	23	16 493	55	490	4 534	2 718	1 832	2 932	2 303	949	403	277	31.2
Social scientists	–	3 443	–	18	444	748	522	648	642	192	87	142	34.9
Social and recreation workers	88	21 692	246	380	3 796	3 817	1 928	4 033	4 068	1 660	1 103	661	36.7
Teachers: College and university	5	13 309	11	208	1 696	2 187	1 680	3 282	2 379	825	571	470	37.7
Elementary and prekindergarten	195	114 070	319	383	22 863	18 386	11 017	23 145	18 963	8 846	7 215	2 933	36.8
Secondary	72	48 301	109	119	8 692	9 188	4 862	8 893	9 166	3 618	2 486	1 168	36.3
Other teachers	115	10 538	204	254	1 016	1 102	1 086	2 333	2 084	861	727	871	41.9
Engineering and science technicians	10	7 030	25	238	1 803	945	559	1 290	1 379	470	238	83	34.5
Technicians, except health, and engineering and science	–	698	13	11	140	99	73	96	133	68	41	24	36.4
Writers, artists, and entertainers	108	38 825	239	653	6 656	6 539	4 692	7 811	6 793	2 216	1 579	1 647	35.8
Actors and dancers	40	1 886	11	73	571	370	281	334	157	56	11	22	28.9
Authors, editors, and reporters	11	13 216	23	91	2 053	2 703	1 723	2 493	2 314	728	562	526	35.1
Other professional, technical, and kindred workers	194	65 197	237	1 241	10 499	10 305	6 525	12 558	12 145	4 842	3 587	3 258	38.0
Managers and administrators, except farm	**89**	**97 142**	**231**	**780**	**8 453**	**8 073**	**6 770**	**19 500**	**26 899**	**11 956**	**8 166**	**6 314**	**46.8**
Buyers, purchasing agents, and sales managers	13	15 648	63	289	2 511	1 420	915	2 884	4 138	1 691	1 113	624	44.1
Restaurant, cafeteria, and bar managers	4	6 036	10	14	147	264	335	1 293	2 205	885	497	386	49.3
School administrators	4	5 881	5	7	203	320	398	1 412	1 757	829	695	255	48.4
Other specified managers and administrators	48	22 996	92	161	2 242	2 129	1 668	4 550	5 969	2 695	1 997	1 493	46.1
Managers and administrators, n.e.c., salaried	6	39 084	49	288	3 210	3 642	3 100	7 973	10 760	4 637	2 990	2 435	46.2
Wholesale and retail trade	6	10 005	33	113	863	671	715	1 955	2 996	1 270	718	671	47.2
Managers and administrators, n.e.c., self-employed	14	7 497	12	21	140	298	354	1 388	2 070	1 219	874	1 121	52.4
Wholesale and retail trade	5	4 416	8	17	76	171	220	766	1 186	719	555	698	53.0
Sales workers	**1 215**	**187 550**	**12 322**	**13 844**	**16 704**	**10 693**	**9 920**	**32 953**	**44 431**	**19 985**	**14 246**	**12 452**	**44.2**
Demonstrators, hucksters, and peddlers	36	4 694	106	103	470	730	768	1 119	732	280	168	218	36.5
Insurance, real estate agents, and brokers	6	11 343	22	168	961	816	722	2 638	3 023	1 289	854	850	46.1
Sales clerks, retail trade	512	128 844	10 663	11 264	10 060	4 907	5 312	21 033	31 830	14 764	10 430	8 581	45.4
Salesmen, retail trade	14	4 570	182	225	309	250	238	974	1 254	587	286	265	45.9
Other sales workers	647	38 099	1 349	2 084	4 904	3 990	2 880	7 189	7 592	3 065	2 508	2 538	40.3
Clerical and kindred workers	**4 062**	**1 122 867**	**28 922**	**84 636**	**208 894**	**102 784**	**78 254**	**197 707**	**236 641**	**91 038**	**60 447**	**33 544**	**37.9**
Bank tellers	36	21 206	122	2 003	5 413	2 057	1 429	4 552	4 034	1 007	461	128	33.5
Bookkeepers	123	130 598	946	4 722	15 316	8 959	7 921	25 879	36 569	14 725	9 813	5 748	45.4
Cashiers	427	59 642	10 605	8 264	5 779	3 272	3 495	9 897	10 868	3 744	2 391	1 327	32.7
Counter clerks, except food	52	11 624	495	858	1 567	811	807	2 223	2 725	1 043	666	429	40.7
Enumerators and interviewers	–	3 401	65	106	454	356	333	842	790	198	140	117	39.6
File clerks	310	46 683	2 588	5 620	8 568	3 040	2 300	6 490	9 592	4 130	2 861	1 494	36.9
Office machine operators	83	45 001	429	3 411	10 119	6 200	4 549	8 313	7 306	2 504	1 414	756	32.6
Bookkeeping and billing machine operators	–	6 174	71	387	1 025	733	548	1 307	1 241	473	272	117	37.5
Keypunch operators	55	26 965	229	2 181	7 084	4 389	3 210	4 729	3 488	985	504	166	29.5
Payroll and timekeeping clerks	24	10 832	50	400	1 561	838	729	2 284	2 853	1 292	620	205	43.0
Receptionists	96	28 334	650	2 847	5 945	2 451	1 615	4 890	5 458	2 086	1 284	1 108	36.3
Secretaries	254	305 118	2 051	18 833	72 928	34 748	22 029	50 766	59 469	21 850	14 534	7 910	35.4
Stenographers	16	14 689	140	1 459	3 167	1 211	757	2 031	3 130	1 267	994	533	38.0
Telephone operators	87	43 551	1 314	3 489	6 450	3 763	3 182	8 597	8 075	3 972	3 424	1 285	39.2
Typists	268	115 028	3 196	13 155	25 880	9 455	7 486	18 012	21 611	8 385	5 276	2 572	33.9
Other clerical and kindred workers	2 286	287 160	6 271	19 469	45 747	25 623	21 622	52 931	64 161	24 835	16 569	9 932	39.7
Craftsmen and kindred workers	**58**	**41 752**	**328**	**884**	**3 489**	**3 278**	**3 165**	**9 163**	**11 058**	**4 990**	**3 297**	**2 100**	**45.5**
Foremen, n.e.c.	–	13 163	22	74	596	807	919	3 063	4 227	1 816	1 182	457	47.6
Operatives, except transport	**1 202**	**343 989**	**3 162**	**7 793**	**25 397**	**23 864**	**25 428**	**70 879**	**97 646**	**44 330**	**29 064**	**16 426**	**46.6**
Assemblers	48	35 488	178	898	3 205	3 108	2 895	7 847	11 013	3 681	1 952	711	44.5
Bottling and canning operatives	5	815	5	18	48	78	62	185	238	79	58	44	45.5
Checkers, examiners, and inspectors; manufacturing	10	19 678	67	316	1 277	1 063	1 254	3 718	7 096	2 791	1 505	591	48.0
Dressmakers and seamstresses, except factory	5	8 003	19	74	269	306	336	1 289	2 297	1 278	1 056	1 079	52.4
Laundry and drycleaning operatives, including ironers	28	17 351	249	429	819	1 036	1 247	3 824	4 971	2 408	1 461	907	47.2
Graders and sorters, manufacturing	–	1 283	12	21	89	81	103	278	351	186	117	45	46.6
Packers and wrappers, except produce	83	31 877	870	1 242	2 693	2 305	2 412	7 023	8 921	3 555	2 036	820	44.1
Sewers and stitchers	112	101 939	420	1 355	4 529	5 025	6 559	20 018	29 839	16 405	11 503	6 286	49.4
Textile operatives	7	6 631	60	153	514	499	469	1 402	1 705	852	618	359	46.3
Other specified operatives	821	62 543	710	1 748	6 626	5 695	5 373	12 157	15 036	6 405	5 017	3 776	44.1
Miscellaneous and not specified operatives	83	58 381	572	1 539	5 328	4 668	4 718	13 138	16 179	6 690	3 741	1 808	44.4
Manufacturing	66	52 037	392	1 229	4 549	4 193	4 246	11 940	14 597	6 034	3 318	1 539	44.6
Durable goods	27	23 938	160	572	2 225	2 259	2 115	5 570	6 932	2 390	1 243	472	43.3
Machinery, including electrical	14	9 323	80	250	799	853	785	2 171	2 867	970	444	104	43.7
Other durable goods	13	14 615	80	322	1 426	1 406	1 330	3 399	4 065	1 420	799	368	43.1
Nondurable goods, including not specified manufacturing	39	28 099	232	657	2 324	1 934	2 131	6 370	7 665	3 644	2 075	1 067	45.5
Food and kindred products	–	3 107	6	26	197	204	192	587	973	480	282	160	48.5
Apparel and other fabricated textile products	9	8 947	94	186	646	577	581	1 936	2 479	1 287	770	391	46.8
Nonmanufacturing industries	17	6 344	180	310	779	475	472	1 198	1 582	656	423	269	43.0
Transport equipment operatives	**26**	**10 383**	**104**	**179**	**624**	**957**	**1 464**	**3 267**	**2 511**	**602**	**324**	**351**	**40.7**
Laborers, except farm	**280**	**16 828**	**1 064**	**1 091**	**2 003**	**1 445**	**1 189**	**3 138**	**3 521**	**1 603**	**1 043**	**731**	**40.2**
Farmers and farm managers	**38**	**3 084**	**33**	**65**	**163**	**188**	**184**	**637**	**842**	**376**	**330**	**266**	**48.2**
Farm laborers and farm foremen	**219**	**5 150**	**344**	**320**	**488**	**430**	**461**	**1 088**	**989**	**450**	**285**	**295**	**39.9**
Paid farm laborers and farm foremen	175	3 391	283	160	391	310	317	722	510	287	183	228	38.2
Unpaid family workers	44	1 759	61	160	97	120	144	366	479	163	102	67	43.1
Service workers, except private household[1]	**3 392**	**373 794**	**12 224**	**18 994**	**45 037**	**30 156**	**28 594**	**73 049**	**86 501**	**35 459**	**25 273**	**18 507**	**42.1**
Cleaning service workers	228	50 341	661	701	1 805	2 144	2 834	9 102	14 415	7 832	6 336	4 511	50.5
Chambermaids and maids	67	13 610	233	266	650	681	764	2 539	3 730	2 140	1 538	1 069	49.5
Food service workers	1 016	122 017	6 816	7 705	10 311	7 635	8 738	25 685	30 695	11 790	7 766	4 876	42.7
Cooks, except private household	71	21 995	339	492	556	817	1 052	4 288	7 190	3 371	2 293	1 597	49.8
Waiters and food counter workers	579	73 256	4 938	5 853	8 330	5 895	6 062	16 169	15 611	5 302	3 256	1 840	38.4
Health service workers	273	93 098	2 486	5 599	15 014	8 986	8 057	18 653	19 351	7 360	4 688	2 904	38.4
Nursing aides, orderlies, and attendants	194	56 309	1 455	3 037	7 340	5 207	5 202	11 976	12 487	4 979	2 961	1 665	39.9
Practical nurses	7	18 068	33	624	3 551	2 188	1 573	3 372	3 641	1 288	964	834	38.2
Personal service workers	516	60 883	1 238	2 814	12 053	6 762	4 716	9 895	12 149	4 717	3 355	3 184	37.9
Hairdressers and cosmetologists	30	28 657	341	1 815	6 239	3 335	2 282	4 453	5 862	1 992	1 172	1 166	35.7
Private household workers	**3 952**	**77 462**	**3 041**	**1 542**	**3 937**	**4 209**	**4 273**	**11 310**	**17 201**	**10 089**	**9 628**	**12 232**	**51.1**
Private household workers, living in	22	12 530	50	223	941	1 125	845	1 999	2 548	1 601	1 335	1 863	49.2
Private household workers, living out	3 930	64 932	2 991	1 319	2 996	3 084	3 428	9 311	14 653	8 488	8 293	10 369	51.4

[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	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	**2 424**	**407 002**	**5 236**	**11 584**	**43 063**	**56 671**	**56 358**	**100 960**	**77 851**	**25 576**	**18 049**	**11 654**	**38.0**
Professional, technical, and kindred workers	167	32 215	225	560	4 305	5 605	5 621	8 729	4 532	1 210	697	731	34.8
Engineers	–	1 837	6	14	94	261	381	632	318	95	32	4	37.6
Lawyers and judges	–	490	–	–	24	55	39	95	136	52	43	46	47.4
Life and physical scientists	–	532	–	–	50	27	127	269	32	18	6	3	37.3
Physicians, dentists, and related practitioners	–	1 284	–	6	58	92	207	408	257	71	53	132	41.8
Health workers, except practitioners	–	3 232	15	22	381	566	597	1 039	397	111	46	58	35.3
Social and recreation workers	51	3 091	55	71	344	507	499	928	456	108	62	61	35.7
Teachers	10	3 907	26	70	500	640	680	1 164	624	62	90	51	35.3
Technicians, except health	8	3 088	27	83	513	709	620	676	342	69	23	26	31.7
Writers, artists, and entertainers	–	3 821	63	90	504	721	715	947	453	141	113	74	33.7
Other professional, technical, and kindred workers	98	10 933	33	204	1 837	2 027	1 756	2 571	1 517	483	229	276	33.9
Managers and administrators, except farm	26	17 164	44	152	1 277	2 264	2 577	4 681	3 661	1 245	797	466	39.8
Salaried	26	15 068	44	148	1 182	2 092	2 292	4 139	3 115	1 045	658	353	39.3
Manufacturing	–	1 444	6	12	74	279	280	437	231	67	43	15	36.6
Retail trade	4	3 344	7	45	392	619	559	853	580	174	89	26	35.6
All other industries	22	10 280	31	91	716	1 194	1 453	2 849	2 304	804	526	312	40.8
Self-employed	–	2 096	–	4	95	172	285	542	546	200	139	113	44.1
Retail trade	–	1 125	–	–	57	60	136	314	301	124	62	71	44.9
All other industries	–	971	–	4	38	112	149	228	245	76	77	42	43.0
Sales workers	356	14 249	431	672	1 870	2 433	2 378	3 148	1 868	561	500	388	33.6
Manufacturing and wholesale trade	246	2 640	137	144	310	468	452	612	274	158	67	18	32.9
Retail trade	103	8 424	265	455	1 181	1 350	1 449	1 800	1 125	240	315	244	33.3
All other industries	7	3 185	29	73	379	615	477	736	469	163	118	126	35.3
Clerical and kindred workers	436	61 401	1 574	3 864	10 601	9 831	7 573	12 265	9 345	3 009	1 926	1 413	33.2
Bookkeepers and billing clerks	4	3 744	29	147	862	675	516	786	415	152	122	40	31.5
Mail handlers and postal clerks	23	11 746	151	485	1 745	1 705	1 200	2 697	2 342	791	470	160	37.2
Other clerical and kindred workers	409	45 911	1 394	3 232	7 994	7 451	5 857	8 782	6 588	2 066	1 334	1 213	32.5
Craftsmen and kindred workers	125	62 714	246	1 191	5 901	8 803	9 439	16 707	13 216	3 492	2 419	1 300	38.5
Carpenters	7	3 041	4	60	150	289	368	955	823	204	132	56	41.8
Construction craftsmen, except carpenters	6	9 516	23	91	724	1 175	1 369	2 730	2 253	598	355	198	40.0
Automobile mechanics, including body repairmen	–	8 394	38	110	711	1 198	1 517	2 236	1 705	493	261	125	37.8
Mechanics and repairmen, except auto	18	7 965	37	110	742	1 237	1 230	2 206	1 602	400	248	153	37.8
Machinists	–	1 535	–	26	184	308	221	382	244	63	46	61	35.7
Metal craftsmen, except mechanics and machinists	5	2 420	–	27	254	277	380	630	561	181	83	27	39.3
Foremen, n.e.c	–	6 601	6	46	273	758	1 051	1 993	1 753	350	268	103	40.9
Other craftsmen and kindred workers	89	23 242	138	721	2 863	3 561	3 303	5 575	4 275	1 203	1 026	577	36.9
Operatives, except transport	234	59 365	538	1 666	6 242	8 858	8 105	15 095	11 682	3 634	2 395	1 150	37.8
Assemblers	13	4 186	24	128	551	831	667	980	609	208	147	41	34.2
Garage workers and gas station attendants	8	2 036	78	72	199	287	247	458	377	122	107	89	37.9
Laundry and drycleaning operatives, including ironers	6	4 547	47	95	297	511	428	1 034	1 221	436	318	160	43.7
Precision machine operatives	–	1 439	6	32	190	181	180	396	348	50	34	22	38.3
Other operatives, except transport	207	47 157	383	1 339	5 005	7 048	6 583	12 227	9 127	2 818	1 789	838	37.6
Durable goods, manufacturing	62	19 286	87	430	2 044	2 915	2 626	5 099	3 948	1 221	624	292	38.0
Nondurable goods, including not specified manufacturing	58	14 777	110	490	1 847	2 135	2 256	3 812	2 577	809	477	264	36.4
Nonmanufacturing industries	87	13 094	186	419	1 114	1 998	1 701	3 316	2 602	788	688	282	38.4
Transport equipment operatives	164	42 968	173	526	3 106	5 581	6 864	12 769	9 213	2 373	1 523	840	39.1
Truck drivers	–	13 427	16	146	946	1 705	2 162	4 219	2 966	699	431	137	39.1
Other transport equipment operatives	164	29 541	157	380	2 160	3 876	4 702	8 550	6 247	1 674	1 092	703	39.1
Laborers, except farm	404	37 278	811	1 224	3 582	4 204	4 623	9 068	7 651	3 027	2 056	1 032	39.6
Construction laborers	23	5 835	15	69	388	586	751	1 797	1 406	505	236	82	41.2
Freight, stock, and material handlers	111	13 749	499	575	1 554	1 710	1 602	3 214	2 767	980	652	196	37.9
Other laborers, except farm	270	17 694	297	580	1 640	1 908	2 270	4 057	3 478	1 542	1 168	754	40.3
Manufacturing industries	71	3 671	32	90	430	421	475	838	825	340	156	64	39.6
Farmers and farm managers	–	284	–	–	16	31	18	83	56	31	24	25	44.3
Farm laborers and farm foremen	17	1 552	43	54	180	127	181	363	334	131	85	54	40.3
Service workers, except private household[1]	480	76 371	1 108	1 658	5 960	8 868	8 899	17 831	15 946	6 646	5 392	4 063	41.6
Cleaning service workers	79	27 920	270	486	1 631	2 349	2 802	6 481	6 466	3 135	2 512	1 788	44.9
Food service workers	87	12 543	492	402	1 034	1 413	1 422	2 695	2 614	1 114	822	535	40.6
Health service workers	8	5 865	89	175	778	965	743	1 325	1 141	330	198	121	36.4
Personal service workers	100	6 939	127	178	378	612	739	1 386	1 380	773	734	632	45.4
Protective service workers	5	12 658	12	127	1 002	2 138	1 946	3 511	2 348	563	502	509	38.1
Private household workers	15	1 441	43	17	23	66	80	221	347	217	235	192	52.8
Female employed	**1 890**	**351 486**	**4 684**	**13 387**	**47 815**	**45 641**	**42 344**	**81 643**	**68 165**	**22 999**	**14 794**	**10 014**	**37.7**
Professional, technical, and kindred workers	262	42 161	324	581	4 607	6 529	6 836	11 790	7 551	1 998	1 192	753	36.9
Registered nurses	7	12 948	11	64	906	1 780	2 295	4 045	2 605	653	367	222	38.5
Health workers, except nurses	7	4 140	24	58	466	677	751	1 183	671	168	103	39	35.8
Teachers, elementary and secondary schools	76	8 192	58	70	727	1 308	1 460	2 410	1 412	362	241	144	37.0
Technicians, except health	10	503	15	23	93	84	81	120	64	14	5	4	32.3
Other professional, technical, and kindred workers	162	16 378	216	366	2 415	2 680	2 249	4 032	2 799	801	476	344	35.7
Managers and administrators, except farm	14	6 154	15	51	547	673	701	1 808	1 483	452	260	164	41.0
Salaried	14	5 591	15	51	518	636	664	1 644	1 316	391	227	129	40.5
Self-employed	–	563	–	–	29	37	37	164	167	61	33	35	45.9
Sales workers	99	9 928	455	880	1 362	1 205	1 099	2 261	1 629	495	307	235	34.8
Retail trade	99	7 850	440	765	1 064	911	829	1 673	1 323	393	251	201	34.5
Clerical and kindred workers	737	120 319	2 527	9 116	27 347	19 812	15 484	24 551	15 192	3 473	1 721	1 096	30.4
Bookkeepers and cashiers	55	10 785	434	803	2 071	1 649	1 350	2 464	1 428	362	167	57	31.6
Office machine operators	35	8 270	47	410	2 028	1 933	1 475	1 565	653	77	48	34	29.3
Secretaries, stenographers, and typists	69	30 491	563	2 535	9 241	5 403	3 756	5 179	2 785	627	230	172	27.7
Other clerical and kindred workers	578	70 773	1 483	5 368	14 007	10 827	8 903	15 343	10 326	2 407	1 276	833	32.1
Craftsmen and kindred workers	–	5 174	17	71	477	620	605	1 497	1 079	400	264	144	40.3
Operatives, except transport	149	48 490	325	877	4 516	5 551	5 682	12 229	11 526	4 022	2 494	1 268	41.0
Sewers and stitchers	–	10 154	44	174	595	839	888	2 452	3 013	1 121	709	319	45.3
Laundry and drycleaning operatives, including ironers	10	6 315	49	55	231	530	612	1 620	1 707	790	476	245	45.4
Other operatives, except transport	139	32 021	232	648	3 690	4 182	4 182	8 157	6 806	2 111	1 309	704	38.8
Durable goods, manufacturing	45	12 434	60	230	1 410	1 852	1 786	3 301	2 641	686	332	136	37.7
Nondurable goods, including not specified manufacturing	77	13 389	70	300	1 495	1 577	1 641	3 382	2 924	1 001	612	387	39.8
Nonmanufacturing industries	17	6 198	102	118	785	753	755	1 474	1 241	424	365	181	39.0
Transport equipment operatives	–	832	–	14	87	89	113	207	240	15	20	47	40.5
Laborers, except farm	29	2 882	72	56	327	435	306	701	531	185	160	109	38.5
Farmers and farm managers	–	278	6	14	53	18	24	74	38	27	15	9	38.2
Farm laborers and farm foremen	10	614	10	29	100	98	55	178	64	58	13	9	35.8
Service workers, except private household[1]	478	76 176	811	1 457	6 791	8 194	8 702	19 186	18 182	6 573	4 021	2 259	41.3
Cleaning service workers	27	13 970	61	86	466	762	1 076	3 183	4 417	1 924	1 330	665	48.1
Food service workers	73	10 222	228	288	869	1 049	1 095	2 593	2 423	881	540	256	41.1
Health service workers	41	31 463	303	731	3 309	4 048	4 134	8 425	6 772	2 208	1 057	476	38.8
Practical nurses	–	5 768	18	88	553	768	692	1 732	1 322	339	139	117	39.4
Personal service workers	120	8 827	85	138	676	751	959	2 165	2 350	847	469	387	43.3
Protective service workers	7	1 527	6	3	56	164	259	630	281	65	46	17	39.4
Private household workers	112	38 478	122	241	1 601	2 417	2 737	7 161	10 650	5 301	4 327	3 921	49.7

[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													
Persons of Puerto Rican Birth or Parentage													
Male employed	**923**	**158 450**	**2 406**	**5 537**	**23 524**	**27 663**	**25 408**	**39 441**	**22 743**	**6 598**	**3 523**	**1 607**	**34.0**
Professional, technical, and kindred workers	34	6 360	70	139	1 186	1 261	1 063	1 520	742	190	104	85	32.5
Engineers	–	316	–	–	21	53	57	119	38	21	7	–	37.3
Lawyers and judges	8	106	–	–	9	16	8	27	24	7	6	9	42.4
Life and physical scientists	–	78	–	–	18	19	17	5	14	5	–	–	...
Physicians, dentists, and related practitioners	–	162	–	–	5	31	23	55	41	7	–	–	39.0
Health workers, except practitioners	–	663	–	13	81	113	152	193	72	11	22	6	34.1
Social and recreation workers	8	614	–	25	144	128	93	166	51	7	–	–	30.5
Teachers	7	588	26	6	106	94	89	153	75	16	13	10	33.5
Technicians, except health	–	872	19	22	190	172	148	187	114	8	4	8	31.1
Writers, artists, and entertainers	6	1 207	7	35	162	281	137	347	163	50	20	5	34.3
Other professional, technical, and kindred workers	5	1 754	18	38	450	354	339	268	150	58	32	47	30.3
Managers and administrators, except farm	20	7 144	6	109	710	1 143	1 099	2 170	1 194	441	183	89	37.3
Salaried	20	5 794	6	103	641	1 009	935	1 729	877	274	157	63	36.2
Manufacturing	–	601	–	13	48	102	66	237	99	26	4	6	38.0
Retail trade	–	1 803	–	58	230	362	379	468	201	59	40	6	33.3
All other industries	20	3 390	6	32	363	545	490	1 024	577	189	113	51	37.5
Self-employed	–	1 350	–	6	69	134	164	441	317	167	26	26	41.8
Retail trade	–	1 060	–	6	50	77	111	348	278	152	19	19	43.2
All other industries	–	290	–	–	19	57	53	93	39	15	7	7	36.7
Sales workers	94	7 703	164	320	1 343	1 477	1 444	1 703	794	220	162	76	31.9
Manufacturing and wholesale trade	30	1 238	15	41	266	212	311	250	125	16	2	–	31.4
Retail trade	64	5 537	149	266	850	1 064	990	1 218	596	192	146	66	32.2
All other industries	–	928	–	13	227	201	143	235	73	12	14	10	30.8
Clerical and kindred workers	202	21 220	581	1 550	4 887	3 928	3 084	4 097	2 200	467	246	180	29.6
Bookkeepers and billing clerks	–	1 057	8	30	342	212	117	239	75	–	19	15	28.5
Mail handlers and postal clerks	29	3 346	58	207	716	582	443	715	462	100	34	29	31.2
Other clerical and kindred workers	173	16 817	515	1 313	3 829	3 134	2 524	3 143	1 663	367	193	136	29.4
Craftsmen and kindred workers	38	24 535	184	634	2 989	4 909	4 570	6 458	3 226	916	418	231	33.9
Carpenters	–	961	–	20	92	145	109	250	252	65	12	16	39.6
Construction craftsmen, except carpenters	6	3 104	42	103	311	639	531	770	457	134	87	30	34.3
Automobile mechanics, including body repairmen	–	2 678	21	45	359	531	516	715	367	74	44	6	33.7
Mechanics and repairmen, except auto	8	3 679	11	47	392	893	597	1 166	394	122	36	21	34.2
Machinists	–	666	–	7	68	136	124	230	70	31	–	–	34.9
Metal craftsmen, except mechanics and machinists	–	822	–	7	76	173	158	240	136	25	7	–	34.9
Foremen, n.e.c.	–	3 778	9	17	304	639	923	1 193	501	123	29	40	35.0
Other craftsmen and kindred workers	24	8 847	101	388	1 387	1 753	1 612	1 894	1 049	342	203	118	32.5
Operatives, except transport	102	35 985	441	1 123	5 669	6 330	5 638	9 000	5 401	1 380	757	246	33.9
Assemblers	–	2 188	8	71	289	434	406	535	283	107	41	14	33.6
Garage workers and gas station attendants	–	597	38	50	130	105	96	96	63	6	13	–	28.8
Laundry and drycleaning operatives, including ironers	7	1 896	21	67	312	301	275	499	301	72	33	15	34.5
Precision machine operatives	–	494	–	–	52	60	128	135	104	15	–	–	35.5
Other operatives, except transport	95	30 810	374	935	4 886	5 430	4 733	7 735	4 650	1 180	670	217	34.0
Durable goods, manufacturing	44	11 469	78	316	1 797	2 068	1 545	3 176	1 721	420	283	65	34.8
Nondurable goods, including not specified manufacturing	37	13 382	113	400	2 222	2 432	2 362	3 224	1 822	488	242	77	33.2
Nonmanufacturing industries	14	5 959	183	219	867	930	826	1 335	1 107	272	145	75	34.7
Transport equipment operatives	83	11 727	217	306	1 615	2 237	2 341	3 179	1 428	249	120	35	33.2
Truck drivers	–	3 056	17	42	427	591	652	912	319	63	24	9	33.5
Other transport equipment operatives	83	8 671	200	264	1 188	1 646	1 689	2 267	1 109	186	96	26	33.1
Laborers, except farm	121	9 868	357	668	1 471	1 717	1 366	2 147	1 385	451	180	126	32.6
Construction laborers	9	857	13	58	144	141	148	128	146	30	44	5	32.4
Freight, stock, and material handlers	11	4 436	236	339	682	810	582	1 021	511	194	61	–	31.3
Other laborers, except farm	101	4 575	108	271	645	766	636	998	728	227	75	121	33.9
Manufacturing industries	66	1 193	15	47	173	209	232	261	183	34	22	17	33.3
Farmers and farm managers	–	34	–	–	8	–	17	–	9	–	–	–	...
Farm laborers and farm foremen	16	486	28	45	69	117	35	112	54	26	–	–	29.3
Service workers, except private household[1]	213	33 194	358	643	3 551	4 530	4 708	8 993	6 300	2 234	1 343	534	38.1
Cleaning service workers	46	11 910	100	221	1 078	1 348	1 619	3 213	2 607	898	600	226	39.9
Food service workers	27	11 756	146	216	1 109	1 611	1 741	3 362	2 230	753	474	114	38.1
Health service workers	7	1 336	26	19	189	211	220	354	153	115	33	16	35.1
Personal service workers	27	3 913	35	88	451	459	528	1 039	788	267	140	118	38.8
Protective service workers	9	2 827	–	27	489	647	430	693	336	123	56	26	32.9
Private household workers	–	194	–	–	26	14	43	62	10	24	10	5	37.3
Female employed	**667**	**74 640**	**1 969**	**5 223**	**15 083**	**9 772**	**8 238**	**17 418**	**11 287**	**2 974**	**1 692**	**984**	**33.2**
Professional, technical, and kindred workers	56	4 968	72	104	1 127	897	713	1 108	669	90	76	112	32.0
Registered nurses	–	927	5	8	178	141	125	238	138	40	13	41	35.3
Health workers, except nurses	–	674	–	–	176	127	105	131	135	–	–	–	31.6
Teachers, elementary and secondary schools	10	866	22	29	202	227	132	142	93	–	14	5	29.0
Technicians, except health	–	41	–	–	7	14	–	6	7	–	–	7	...
Other professional, technical, and kindred workers	46	2 460	45	67	564	388	351	591	296	50	49	59	32.4
Managers and administrators, except farm	15	1 247	8	37	192	157	165	360	220	77	25	6	36.8
Salaried	15	1 088	8	37	181	152	137	328	173	41	25	6	35.9
Self-employed	–	159	–	–	11	5	28	32	47	36	–	–	45.7
Sales workers	36	3 157	370	361	455	358	332	532	508	110	54	77	30.5
Retail trade	36	2 716	334	314	373	301	274	462	462	65	54	77	30.7
Clerical and kindred workers	222	25 147	942	3 464	8 451	3 565	2 410	3 914	1 644	394	256	107	24.8
Bookkeepers and cashiers	–	3 022	188	393	804	491	287	536	202	67	49	5	26.3
Office machine operators	–	1 258	16	155	398	271	145	188	51	15	7	12	26.1
Secretaries, stenographers, and typists	45	9 184	271	1 523	3 787	1 278	800	1 001	367	72	38	47	23.7
Other clerical and kindred workers	177	11 683	467	1 393	3 462	1 525	1 178	2 189	1 024	240	162	43	26.7
Craftsmen and kindred workers	7	1 809	6	24	293	208	275	506	350	53	49	45	36.9
Operatives, except transport	179	27 604	236	708	2 999	3 103	3 141	8 247	6 003	1 723	985	459	39.4
Sewers and stitchers	13	11 568	86	202	752	1 089	1 207	3 463	3 045	954	554	216	42.1
Laundry and drycleaning operatives, including ironers	–	1 260	–	43	122	88	100	343	314	127	101	22	43.1
Other operatives, except transport	166	14 776	150	463	2 125	1 926	1 834	4 441	2 644	642	330	221	37.0
Durable goods, manufacturing	56	4 911	38	155	710	730	706	1 502	823	151	73	23	35.8
Nondurable goods, including not specified manufacturing	77	8 215	105	270	1 188	1 028	909	2 445	1 504	402	224	140	37.5
Nonmanufacturing industries	33	1 650	7	38	227	168	219	494	317	89	33	58	38.4
Transport equipment operatives	–	207	6	5	20	16	39	35	59	6	–	21	40.0
Laborers, except farm	8	769	30	51	117	80	95	271	105	14	–	6	35.4
Farmers and farm managers	9	24	–	–	–	5	–	–	19	–	–	–	...
Farm laborers and farm foremen	–	53	6	6	8	7	7	14	5	–	–	–	...
Service workers, except private household[1]	121	9 044	275	440	1 320	1 316	1 025	2 262	1 630	441	224	111	35.6
Cleaning service workers	6	1 509	7	15	153	107	144	305	559	108	83	28	45.4
Food service workers	5	1 928	67	74	206	257	272	551	277	151	52	21	36.6
Health service workers	4	2 482	107	264	509	401	220	489	355	82	43	12	29.5
Practical nurses	–	461	–	89	117	62	40	78	53	9	6	7	27.0
Personal service workers	32	2 089	53	38	317	394	272	667	270	47	12	19	34.5
Protective service workers	–	157	8	–	20	20	11	74	24	–	–	–	37.6
Private household workers	14	611	18	23	101	60	36	169	75	66	23	40	39.0

[1]Includes allocated cases not shown separately.

499-314 O - 73 - 20

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
ALBANY–SCHENECTADY–TROY SMSA													
Total													
Male employed	1 960	174 608	4 194	5 810	18 165	20 191	16 466	36 629	38 026	15 721	11 454	7 952	41.1
Professional, technical, and kindred workers	17	32 570	81	251	3 726	5 420	4 219	8 148	6 073	1 978	1 570	1 104	38.2
Accountants	–	2 643	–	15	320	446	287	541	537	213	176	108	39.7
Architects	–	265	–	–	4	27	40	66	56	21	25	26	44.3
Computer specialists	–	1 025	–	4	134	287	249	245	101	5	–	–	31.8
Engineers	–	6 077	–	4	487	896	860	1 719	1 344	339	327	101	39.6
Aeronautical and astronautical	–	12	–	–	–	6	–	6	–	–	–	–	...
Civil	–	1 313	–	4	127	221	236	326	185	70	110	34	37.1
Electrical and electronic	–	1 486	–	–	137	184	147	432	435	65	81	5	41.4
Mechanical	–	944	–	–	77	158	185	236	187	46	45	10	37.2
Other engineers	–	2 322	–	–	146	327	292	719	537	158	91	52	40.5
Lawyers and judges	–	1 401	–	–	21	124	190	318	294	125	124	205	46.6
Life and physical scientists	–	1 246	–	5	79	225	140	416	255	70	31	25	39.2
Chemists	–	714	–	–	50	154	64	230	166	40	10	–	38.9
Physicians, dentists, and related practitioners	–	2 139	–	6	83	257	212	500	415	230	241	195	45.3
Dentists	–	374	–	–	–	22	38	102	118	32	40	22	47.1
Pharmacists	–	463	–	6	68	79	27	101	59	43	51	29	40.1
Physicians, medical and osteopathic	–	1 120	–	–	15	141	136	258	195	146	129	100	45.5
Other related practitioners	–	182	–	–	–	15	11	39	43	9	21	44	51.0
Health technologists and technicians	5	503	–	4	180	114	41	73	58	24	9	–	28.0
Religious workers	–	755	–	–	11	78	103	190	128	56	71	118	44.8
Social scientists	–	563	–	–	51	135	64	150	115	37	11	–	37.1
Social and recreation workers	–	448	6	21	52	76	20	131	88	25	18	11	38.7
Teachers	5	5 056	12	11	722	983	845	1 383	677	201	138	84	34.7
College and university	–	1 860	–	5	190	287	300	573	304	92	69	40	37.6
Elementary and prekindergarten	5	770	–	–	171	181	79	219	81	15	12	12	32.1
Secondary	–	2 236	12	6	353	494	447	556	251	60	32	25	32.8
Engineering and science technicians	–	3 718	–	74	721	667	417	822	666	170	151	30	34.8
Draftsmen and surveyors	–	1 547	–	30	386	282	163	297	231	72	70	16	32.3
Electrical and electronic engineering technicians	–	503	–	12	88	103	48	113	99	20	16	4	35.0
Technicians, except health, and engineering and science	7	295	–	–	33	23	36	93	73	22	15	–	41.0
Airplane pilots	–	38	–	–	–	4	10	4	14	–	6	–	...
Writers, artists, and entertainers	–	2 119	46	50	242	284	225	547	419	141	63	102	38.9
Other professional, technical, and kindred workers	–	4 317	17	57	586	798	490	954	847	299	170	99	37.2
Managers and administrators, except farm	15	18 951	10	101	982	1 687	1 889	4 747	5 134	2 015	1 423	963	45.1
Buyers, purchasing agents, and sales managers	–	2 378	–	14	104	253	270	626	625	244	162	80	43.8
School administrators	–	645	–	–	7	43	85	221	178	51	41	19	43.5
Specified managers and administrators, public administration	–	1 778	–	–	64	161	154	350	483	226	199	141	48.3
Other specified managers and administrators	5	3 545	5	30	375	328	314	691	863	450	287	202	45.3
Managers and administrators, n.e.c., salaried	10	8 660	5	45	392	782	910	2 450	2 453	735	564	324	44.0
Manufacturing	10	1 931	–	19	21	104	204	544	628	222	127	62	46.2
Wholesale and retail trade	–	2 771	–	22	246	322	331	631	757	215	139	108	42.4
Transportation, communications, and other public utilities	–	797	–	4	25	43	55	219	255	67	102	27	47.1
All other industries	–	3 161	5	–	100	313	320	1 056	813	231	196	127	43.0
Managers and administrators, n.e.c., self-employed	–	1 945	–	12	40	120	156	409	532	309	170	197	49.4
Construction	–	315	–	5	16	25	57	89	76	11	11	25	41.1
Manufacturing	–	92	–	–	–	–	–	34	8	29	6	15	...
Wholesale and retail trade	–	1 121	–	–	19	65	66	207	347	210	110	97	50.9
All other industries	–	417	–	7	5	30	33	79	101	59	43	60	50.4
Sales workers	1 012	11 427	525	504	1 046	1 258	993	2 265	2 484	1 043	652	657	41.1
Insurance agents, brokers, and underwriters	4	1 627	–	9	129	245	172	424	424	85	90	49	41.1
Real estate agents and brokers	–	339	–	5	7	22	9	89	99	45	19	44	48.8
Sales representatives, manufacturing industries	–	1 298	–	–	75	249	203	317	242	113	55	44	38.8
Sales representatives, wholesale trade	–	2 264	–	17	139	223	247	600	605	216	121	96	43.4
Sales clerks, retail trade	21	2 994	287	383	476	239	115	280	497	242	200	275	34.9
Salesmen, retail trade	–	1 215	22	18	87	94	84	270	321	167	80	72	46.0
Salesmen of services and construction	–	427	10	–	9	31	58	133	87	48	24	27	42.9
Other sales workers	987	1 263	206	72	124	155	105	152	209	127	63	50	33.5
Clerical and kindred workers	77	17 359	424	903	2 561	2 041	1 268	3 108	3 393	1 506	1 193	962	39.8
Bank tellers and cashiers	–	620	77	105	155	52	21	72	36	43	36	23	24.1
Bookkeepers and billing clerks	–	2 030	12	38	246	345	188	328	355	167	188	163	40.7
Mail handlers and postal clerks	–	2 529	40	96	239	195	142	621	745	197	174	80	43.9
Other clerical and kindred workers	77	12 180	295	664	1 921	1 449	917	2 087	2 257	1 099	795	696	39.0
Craftsmen and kindred workers	36	35 927	187	568	3 378	4 068	3 375	7 953	9 033	3 395	2 687	1 283	43.0
Apparel craftsmen and upholsterers	–	452	–	5	10	31	51	79	92	63	65	56	50.4
Bakers	–	310	–	10	38	27	75	56	37	22	32	13	35.9
Cabinetmakers	–	90	–	–	18	5	5	8	16	–	23	15	...
Construction craftsmen	11	9 750	57	104	967	1 227	912	2 230	2 380	850	668	355	42.2
Carpenters	4	2 683	17	30	313	309	267	483	670	309	190	95	43.4
Excavating, grading, and road machine operators	–	925	–	6	54	116	76	303	201	53	76	40	41.9
Electricians	–	1 600	10	16	239	225	107	342	440	108	78	35	40.9
Masons and tile setters	–	892	–	14	62	111	130	253	194	54	54	20	40.1
Painters, construction and maintenance, and paperhangers	7	1 055	20	6	68	80	109	212	292	63	128	77	46.1
Plasterers and cement finishers	–	155	–	–	6	26	23	59	26	–	15	–	38.8
Plumbers and pipe fitters	–	1 712	–	9	102	224	131	415	435	216	107	73	44.4
Other construction craftsmen	–	728	10	23	123	136	69	163	122	47	20	15	35.2
Foremen, n.e.c.	–	4 981	6	22	137	381	437	1 348	1 565	618	398	69	46.0
Manufacturing	–	2 586	–	11	40	164	179	753	857	335	209	38	46.7
Nonmanufacturing industries	–	2 395	6	11	97	217	258	595	708	283	189	31	45.2
Linemen and servicemen, telephone and power	–	1 529	4	50	228	293	204	391	270	35	49	5	34.6
Locomotive engineers and firemen	–	411	–	5	32	31	17	36	145	58	39	48	50.8
Mechanics and repairmen	20	7 761	80	152	891	1 020	774	1 724	1 699	635	507	279	40.6
Air conditioning, heating, and refrigeration	–	518	–	–	31	90	48	134	131	24	42	18	41.7
Aircraft	–	112	–	–	16	29	17	30	20	–	–	–	33.2
Automobile, including body	13	3 045	56	83	498	371	307	676	521	251	182	100	38.1
Radio and television	–	388	6	13	29	73	40	83	86	26	16	16	39.0
Other mechanics and repairmen	7	3 698	18	56	317	457	362	801	941	334	267	145	43.0
Metal craftsmen, except mechanics	–	3 274	11	65	363	275	209	531	1 031	406	298	85	46.8
Machinists and job and die setters	–	1 618	5	58	213	104	96	231	518	213	144	36	47.0
Sheetmetal workers and tinsmiths	–	522	–	7	83	96	53	108	145	17	13	–	37.0
Tool and die makers	–	466	6	–	42	20	33	64	137	80	73	11	50.0
Other metal craftsmen	–	668	–	–	25	55	27	128	231	96	68	38	49.3
Printing craftsmen	–	1 987	–	68	181	209	251	486	428	131	173	60	40.9
Compositors and typesetters	–	900	–	42	61	122	99	217	152	69	106	32	40.8
Pressmen and plate printers, printing	–	816	–	22	106	55	113	205	193	46	51	25	40.5
Stationary engineers and power station operators	–	709	–	–	43	38	51	150	262	73	61	31	47.8
Other craftsmen and kindred workers	5	4 673	29	87	470	531	389	914	1 108	504	374	267	44.1

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
ALBANY–SCHENECTADY–TROY SMSA—Continued													
Total—Continued													
Male employed—Continued													
Operatives, except transport	64	20 587	521	912	2 359	2 399	1 561	3 829	4 895	2 368	1 251	492	41.6
Assemblers	–	1 429	26	37	147	151	108	190	442	208	100	20	46.3
Checkers, examiners, and inspectors; manufacturing	–	1 166	–	10	79	176	69	219	332	144	118	19	45.9
Garage workers and gas station attendants	10	1 035	336	294	104	83	27	40	59	31	31	30	19.2
Laundry and drycleaning operatives, n.e.c	–	229	9	26	31	11	5	17	76	21	21	12	47.0
Meat cutters and butchers	–	867	15	–	83	75	95	210	160	91	65	73	42.9
Mine operatives, n.e.c	–	57	–	4	–	–	–	27	16	5	–	5	...
Packers and wrappers, except produce	–	666	59	81	64	59	28	128	137	70	30	10	38.3
Painters, manufactured articles	–	224	–	19	13	34	30	30	68	20	6	4	40.3
Precision machine operatives	–	1 632	–	20	215	191	95	271	524	216	78	22	45.5
Sawyers	–	150	–	10	22	14	4	39	37	12	–	12	41.4
Stationary firemen	–	336	–	–	–	14	10	65	140	62	29	16	50.6
Textile operatives	–	564	–	17	87	43	69	93	125	75	51	4	42.1
Welders and flamecutters	–	1 571	–	14	112	199	111	328	477	233	64	33	45.5
Other metalworking operatives	7	692	–	17	69	102	58	148	144	90	48	16	41.8
Other specified operatives	47	3 194	27	89	407	415	266	656	692	326	217	99	41.0
Miscellaneous and not specified operatives	–	6 775	49	274	926	832	586	1 368	1 466	764	393	117	40.3
Occupation:													
Machine operatives, miscellaneous specified	–	2 813	20	67	363	322	295	598	607	355	148	38	40.7
Machine operatives, not specified	–	2 030	–	80	314	264	191	380	425	216	140	20	39.4
Miscellaneous operatives	–	1 323	29	112	173	149	66	271	274	147	64	38	39.9
Not specified operatives	–	609	–	15	76	97	34	119	160	46	41	21	41.9
Industry:													
Manufacturing	–	5 778	16	186	780	740	530	1 136	1 323	689	311	67	40.6
Durable goods	–	3 132	11	115	427	407	278	555	754	397	147	41	40.9
Wood products, including furniture	–	87	–	11	16	6	10	9	11	6	11	7	...
Primary metal industries	–	275	–	–	17	31	22	56	98	37	14	–	46.2
Fabricated metal industries	–	177	–	12	33	25	27	24	19	16	16	5	33.4
Machinery, including electrical	–	1 312	–	41	227	199	46	135	348	228	74	14	45.2
Motor vehicles and equipment	–	228	–	9	21	31	67	37	38	15	10	–	34.0
Transportation equipment, except motor vehicles	–	17	–	–	5	–	–	6	–	–	–	6	...
Other durable goods	–	1 036	11	42	108	115	106	288	240	95	22	9	39.7
Nondurable goods	–	2 628	5	71	353	328	245	581	563	292	164	26	40.4
Food and kindred products	–	392	5	24	31	45	27	83	94	44	33	6	42.7
Apparel and other fabricated textile products	–	105	–	8	6	6	–	24	26	10	15	10	48.3
Paper and allied products	–	1 160	–	22	156	115	123	284	225	165	64	6	40.8
Chemicals and allied products	–	652	–	5	94	127	78	130	154	51	13	–	36.7
Other nondurable goods	–	319	–	12	66	35	17	60	64	22	39	4	39.9
Not specified manufacturing industries	–	18	–	–	–	5	7	–	6	–	–	–	...
Nonmanufacturing industries	–	997	33	88	146	92	56	232	143	75	82	50	38.6
Transportation, communications, and other public utilities	–	133	–	9	22	15	–	33	25	10	13	6	41.2
Wholesale and retail trade	–	428	33	25	17	43	31	120	66	50	27	16	40.4
All other industries	–	436	–	54	107	34	25	79	52	15	42	28	34.6
Transport equipment operatives	26	10 259	89	309	906	1 158	1 162	2 272	2 380	969	671	343	41.6
Bus drivers	–	698	4	7	22	66	50	168	212	69	81	19	46.5
Taxicab drivers and chauffeurs	–	625	–	5	62	32	42	100	185	81	59	59	48.9
Truck drivers and deliverymen	14	6 928	69	190	568	894	893	1 632	1 503	625	380	174	40.2
Other transport equipment operatives	12	2 008	16	107	254	166	177	372	480	194	151	91	42.6
Laborers, except farm	281	10 334	985	965	1 571	1 002	772	1 775	1 540	739	529	456	34.2
Construction laborers	–	2 337	31	89	342	328	186	536	429	180	123	93	38.6
Freight, stock, and material handlers	75	4 268	645	574	738	354	315	681	496	259	112	94	27.5
Other specified laborers	183	2 060	213	180	239	151	129	321	278	157	178	214	38.7
Miscellaneous and not specified laborers	23	1 669	96	122	252	169	142	237	337	143	116	55	37.3
Occupation:													
Miscellaneous laborers	7	760	33	62	88	71	64	105	178	88	46	25	40.9
Not specified laborers	16	909	63	60	164	98	78	132	159	55	70	30	34.5
Industry:													
Manufacturing	5	832	10	58	114	101	62	138	196	99	46	8	40.1
Durable goods	–	528	–	49	67	63	41	87	111	72	30	8	40.1
Wood products, including furniture	–	11	–	–	4	–	–	7	–	–	–	–	...
Metal industries	–	117	–	8	7	27	4	28	23	15	5	–	39.5
Machinery, including electrical	–	292	–	41	27	26	21	46	58	52	17	4	41.7
Transportation equipment	–	28	–	–	20	3	5	–	–	–	–	–	...
Other durable goods	–	80	–	–	9	7	11	6	30	5	8	4	...
Nondurable goods	5	304	10	9	47	38	21	51	85	27	16	–	40.3
Food and kindred products	–	101	–	–	10	22	16	18	25	5	5	–	36.4
Not specified manufacturing industries	–	–	–	–	–	–	–	–	–	–	–	–	–
Nonmanufacturing industries	18	837	86	64	138	68	80	99	141	44	70	47	33.9
Railroads and railway express service	–	135	–	9	22	11	15	18	30	4	22	4	40.8
Transportation, except railroads	7	38	4	–	5	–	–	11	13	5	–	–	...
Communications, and utilities and sanitary services	–	139	7	7	11	5	15	15	19	21	21	18	50.0
Wholesale and retail trade	–	228	53	17	41	15	19	33	25	9	5	11	26.0
All other industries	11	297	22	31	59	37	31	22	54	5	22	14	29.9
Farmers and farm managers	8	1 445	13	–	66	64	115	258	371	195	126	237	50.6
Farm laborers and farm foremen	107	680	128	76	144	54	25	77	40	36	43	57	24.7
Paid farm laborers and farm foremen	102	595	118	53	115	49	25	72	40	36	43	44	26.2
Unpaid family workers	5	85	10	23	29	5	–	5	–	–	–	13	...
Service workers, except private household[1]	305	14 985	1 201	1 218	1 405	1 040	1 087	2 197	2 665	1 477	1 304	1 391	42.0
Cleaning service workers	100	4 632	325	314	326	166	197	641	1 015	569	496	583	48.4
Food service workers	159	3 933	703	645	412	231	228	423	590	284	236	181	29.5
Cooks, except private household	30	1 237	165	159	100	83	111	172	222	111	60	54	35.0
Busboys and dishwashers	87	796	263	234	97	45	6	31	35	29	20	36	19.2
Health service workers	–	497	17	66	141	73	33	63	61	25	8	10	26.7
Personal service workers	5	1 453	91	66	238	113	138	177	218	144	99	169	39.5
Protective service workers	–	3 445	11	39	168	374	432	747	591	350	361	372	44.4
Firemen, fire protection	–	777	–	–	22	60	180	263	135	63	40	14	39.8
Guards and watchmen	–	1 085	11	28	74	55	39	106	199	167	192	214	55.9
Policemen and detectives	–	1 286	–	11	64	243	205	340	228	75	82	38	38.5
Private household workers	12	84	30	3	21	–	–	–	18	–	5	7	...

[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

ALBANY–SCHENECTADY–TROY 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	**693**	**110 530**	**2 867**	**5 933**	**17 106**	**9 757**	**7 111**	**19 955**	**25 175**	**10 626**	**7 270**	**4 730**	**41.3**
Professional, technical, and kindred workers	**34**	**19 473**	**71**	**232**	**3 784**	**2 983**	**1 771**	**3 631**	**3 676**	**1 607**	**1 050**	**668**	**37.5**
Accountants	–	760	6	9	128	72	37	96	225	92	64	31	46.4
Computer specialists	–	363	–	–	92	95	62	50	54	5	–	5	29.7
Librarians	–	425	5	10	49	40	24	78	131	60	24	4	45.5
Mathematical specialists	–	91	–	–	20	5	6	17	14	15	14	–	...
Life and physical scientists	–	198	4	–	53	63	24	25	25	–	4	–	28.3
Registered nurses, dietitians, and therapists	–	4 226	6	20	845	554	465	874	709	332	279	142	37.6
Dietitians	–	118	–	–	24	10	3	27	23	9	17	5	43.1
Registered nurses	–	3 885	6	13	783	504	426	799	659	323	240	132	37.6
Health technologists and technicians	–	954	–	68	314	168	41	153	111	76	19	4	27.8
Social scientists	–	92	–	–	10	5	16	22	24	9	–	6	...
Social and recreation workers	5	611	18	11	117	111	51	115	102	42	28	16	34.8
Teachers: College and university	–	721	–	11	149	153	55	98	103	62	31	59	34.3
Elementary and prekindergarten	–	4 760	–	6	863	841	476	977	776	378	280	163	37.0
Secondary	3	2 293	–	10	355	473	226	453	421	186	116	53	36.8
Other teachers	17	486	20	5	70	28	37	102	118	22	39	45	43.1
Engineering and science technicians	–	402	–	23	139	21	32	41	68	65	13	–	32.8
Technicians, except health, and engineering and science	–	46	–	6	7	–	–	–	19	9	5	–	...
Writers, artists, and entertainers	4	779	–	29	97	97	66	160	185	58	24	63	41.3
Actors and dancers	–	9	–	–	–	–	–	–	–	9	–	–	...
Authors, editors, and reporters	–	231	–	11	22	23	25	35	70	31	6	8	44.9
Other professional, technical, and kindred workers	5	2 266	12	24	476	257	153	370	591	196	110	77	40.7
Managers and administrators, except farm	**4**	**3 627**	**–**	**36**	**301**	**285**	**194**	**725**	**1 061**	**472**	**278**	**275**	**47.6**
Buyers, purchasing agents, and sales managers	–	560	–	18	60	8	29	148	176	57	35	29	46.0
Restaurant, cafeteria, and bar managers	–	249	–	–	8	9	11	37	95	67	7	15	51.3
School administrators	–	198	–	–	10	11	15	45	69	15	28	5	47.6
Other specified managers and administrators	–	1 089	–	18	140	125	55	166	272	141	79	93	46.5
Managers and administrators, n.e.c., salaried	–	1 184	–	–	71	116	73	259	372	136	103	54	47.0
Wholesale and retail trade	–	405	–	–	33	29	32	85	136	51	17	22	46.7
Managers and administrators, n.e.c., self-employed	4	347	–	–	12	16	11	70	77	56	26	79	53.4
Wholesale and retail trade	–	235	–	–	12	10	11	34	57	45	13	53	53.9
Sales workers	**33**	**7 503**	**496**	**644**	**573**	**417**	**373**	**1 400**	**1 900**	**728**	**454**	**518**	**43.9**
Demonstrators, hucksters, and peddlers	–	227	–	6	10	62	57	38	30	15	4	5	33.1
Insurance, real estate agents, and brokers	–	586	2	5	24	39	25	150	201	49	52	39	47.4
Sales clerks, retail trade	20	5 268	436	529	363	234	211	929	1 333	510	318	405	44.3
Salesmen, retail trade	–	153	–	6	9	10	9	41	42	23	9	4	45.4
Other sales workers	13	1 269	58	98	167	72	71	242	294	131	71	65	42.0
Clerical and kindred workers	**128**	**48 761**	**1 192**	**3 570**	**9 308**	**4 007**	**2 906**	**8 626**	**10 727**	**4 168**	**2 848**	**1 409**	**38.9**
Bank tellers	6	694	–	56	181	100	32	116	146	36	27	–	31.6
Bookkeepers	5	5 427	51	168	659	417	324	1 069	1 544	616	372	207	45.2
Cashiers	10	2 371	423	320	272	154	101	340	452	162	89	58	30.8
Counter clerks, except food	–	481	12	44	58	14	15	134	123	20	37	24	42.3
Enumerators and interviewers	–	106	–	5	35	4	10	14	24	14	–	–	34.5
File clerks	15	3 062	114	269	595	156	101	458	666	323	291	89	41.5
Office machine operators	4	2 813	23	210	579	304	256	507	566	211	128	29	35.7
Bookkeeping and billing machine operators	–	278	6	34	69	12	14	28	57	33	15	10	36.4
Keypunch operators	4	1 806	17	116	389	238	215	337	339	89	61	5	33.3
Payroll and timekeeping clerks	–	532	–	22	60	66	43	144	117	59	18	3	40.2
Receptionists	–	1 052	28	70	244	69	18	190	184	83	72	94	40.1
Secretaries	19	10 734	86	630	2 498	1 083	761	1 977	2 192	794	479	234	36.6
Stenographers	–	2 157	5	226	712	162	94	238	349	177	129	65	29.2
Telephone operators	–	1 435	28	144	226	78	92	309	286	106	132	34	39.8
Typists	–	5 715	156	646	1 268	426	323	880	1 171	373	301	171	35.4
Other clerical and kindred workers	69	12 182	266	760	1 921	974	736	2 250	2 907	1 194	773	401	41.4
Craftsmen and kindred workers	**–**	**1 443**	**13**	**28**	**101**	**118**	**111**	**273**	**420**	**191**	**140**	**48**	**46.8**
Foremen, n.e.c	–	450	8	17	22	15	26	81	142	76	49	14	48.9
Operatives, except transport	**51**	**9 469**	**75**	**239**	**706**	**580**	**480**	**1 846**	**2 799**	**1 461**	**894**	**389**	**47.9**
Assemblers	6	471	6	17	52	40	36	69	171	38	29	13	45.9
Bottling and canning operatives	–	34	–	–	–	11	–	21	2	–	–	–	...
Checkers, examiners, and inspectors; manufacturing	–	608	–	8	53	16	18	119	202	109	67	16	49.5
Dressmakers and seamstresses, except factory	–	239	–	5	7	15	13	50	34	33	40	42	53.7
Laundry and dry cleaning operatives, including ironers	–	954	24	41	45	54	64	233	270	126	65	32	45.6
Graders and sorters, manufacturing	–	31	–	–	11	–	–	5	5	6	4	–	...
Packers and wrappers, except produce	14	1 058	14	60	65	100	59	276	275	125	63	21	43.4
Sewers and stitchers	–	2 411	9	31	121	126	80	403	689	460	362	130	51.3
Textile operatives	–	398	–	18	18	20	9	92	101	86	25	29	49.2
Other specified operatives	25	1 528	9	35	178	85	133	287	459	169	104	69	45.8
Miscellaneous and not specified operatives	6	1 737	13	24	156	113	68	291	591	309	135	37	48.4
Manufacturing	6	1 429	8	19	85	83	63	243	509	269	113	37	49.2
Durable goods	–	533	5	6	3	50	11	66	228	101	43	20	50.5
Machinery, including electrical	–	166	5	–	–	20	–	21	60	40	15	5	51.2
Other durable goods	–	367	–	6	3	30	11	45	168	61	28	15	50.3
Nondurable goods, including not specified manufacturing	6	896	3	13	82	33	52	177	281	168	70	17	48.1
Food and kindred products	–	67	–	–	13	6	3	10	4	31	–	–	...
Apparel and other fabricated textile products	–	237	–	–	14	–	17	22	95	41	43	5	51.9
Nonmanufacturing industries	–	308	5	5	71	30	5	48	82	40	22	–	42.9
Transport equipment operatives	**–**	**437**	**5**	**13**	**24**	**8**	**67**	**150**	**108**	**33**	**9**	**20**	**41.8**
Laborers, except farm	**18**	**901**	**47**	**62**	**87**	**74**	**42**	**166**	**208**	**114**	**75**	**26**	**43.3**
Farmers and farm managers	**13**	**196**	**–**	**15**	**–**	**5**	**15**	**32**	**35**	**35**	**35**	**24**	**53.9**
Farm laborers and farm foremen	**22**	**210**	**30**	**21**	**10**	**27**	**16**	**37**	**35**	**26**	**5**	**3**	**35.3**
Paid farm laborers and farm foremen	17	127	30	11	10	22	10	19	–	17	5	3	27.8
Unpaid family workers	5	83	–	10	–	5	6	18	35	9	–	–	...
Service workers, except private household[1]	**181**	**16 555**	**700**	**981**	**2 145**	**1 225**	**1 087**	**2 837**	**3 862**	**1 562**	**1 245**	**911**	**42.5**
Cleaning service workers	12	2 606	46	39	116	77	149	433	699	415	380	252	51.3
Chambermaids and maids	8	630	5	14	51	36	29	79	197	119	52	48	50.1
Food service workers	78	6 241	485	491	666	460	383	1 106	1 550	545	313	242	40.7
Cooks, except private household	5	1 149	22	52	33	47	53	176	397	189	118	62	49.8
Waiters and food counter workers	52	3 879	398	352	547	352	267	731	804	254	106	68	35.3
Health service workers	4	3 423	103	205	744	260	236	552	712	291	223	97	38.0
Nursing aides, orderlies, and attendants	–	1 786	64	76	263	93	125	313	462	229	104	57	43.7
Practical nurses	–	956	–	39	251	125	49	178	158	42	85	29	35.8
Personal service workers	29	2 449	46	161	368	268	198	376	506	153	167	206	39.9
Hairdressers and cosmetologists	–	1 317	16	118	227	192	98	178	253	83	60	92	35.4
Private household workers	**209**	**1 955**	**238**	**92**	**67**	**28**	**49**	**232**	**344**	**229**	**237**	**439**	**52.9**
Private household workers, living in	–	199	–	11	7	–	5	8	39	23	29	77	61.1
Private household workers, living out	209	1 756	238	81	60	28	44	224	305	206	208	362	51.7

[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
BINGHAMTON, N.Y.–PA., SMSA													
Total													
Male employed	763	73 297	1 560	2 608	7 211	8 938	7 749	16 002	15 536	6 734	4 270	2 689	40.4
Professional, technical, and kindred workers	14	14 720	59	113	1 403	2 750	2 231	4 259	2 466	718	385	336	36.9
Accountants	–	777	–	6	79	119	85	246	125	66	26	25	39.0
Architects	–	25	–	–	–	–	–	9	8	8	–	–	...
Computer specialists	–	1 308	7	4	224	436	239	298	79	9	5	7	29.8
Engineers	–	4 204	14	–	254	700	686	1 473	812	158	71	36	38.0
Aeronautical and astronautical	–	47	–	–	6	11	3	22	5	–	–	–	...
Civil	–	203	–	–	4	29	44	67	34	14	5	6	38.7
Electrical and electronic	–	1 796	6	–	122	328	318	713	256	21	28	4	36.7
Mechanical	–	461	–	–	29	52	77	132	117	27	21	6	40.5
Other engineers	–	1 697	8	–	93	280	244	539	400	96	17	20	39.1
Lawyers and judges	5	294	–	–	–	11	23	117	78	25	14	26	44.7
Life and physical scientists	4	236	–	–	40	45	38	55	20	33	5	–	34.3
Chemists	–	173	–	–	26	34	33	32	15	28	5	–	34.0
Physicians, dentists, and related practitioners	–	624	–	–	16	61	46	139	173	53	58	78	47.9
Dentists	–	126	–	–	–	10	20	31	35	–	21	9	45.6
Pharmacists	–	110	–	–	5	19	8	41	12	5	–	20	40.6
Physicians, medical and osteopathic	–	329	–	–	11	32	18	52	108	31	32	45	49.8
Other related practitioners	–	59	–	–	–	–	–	15	18	17	5	4	...
Health technologists and technicians	–	80	–	6	23	18	7	10	16	–	–	–	...
Religious workers	–	374	–	5	19	58	33	72	65	56	22	44	45.0
Social scientists	–	83	–	–	6	–	30	47	–	–	–	–	...
Social and recreation workers	5	168	21	13	24	31	21	18	14	10	5	11	29.2
Teachers	–	1 919	–	8	256	383	360	499	227	79	58	49	34.3
College and university	–	529	–	–	99	49	84	166	90	18	8	15	37.0
Elementary and prekindergarten	–	493	–	5	56	140	107	104	41	6	24	10	32.1
Secondary	–	727	–	–	97	165	136	197	71	40	18	3	33.7
Engineering and science technicians	–	2 052	–	23	266	379	312	542	403	66	35	26	35.8
Draftsmen and surveyors	–	538	–	16	98	93	101	116	73	9	10	22	33.1
Electrical and electronic engineering technicians	–	916	–	–	80	174	142	264	196	37	19	4	37.3
Technicians, except health, and engineering and science	–	100	–	–	5	5	20	47	9	9	–	5	...
Airplane pilots	–	27	–	–	5	5	6	6	5	–	–	–	...
Writers, artists, and entertainers	–	961	17	26	96	167	118	300	155	50	14	18	36.9
Other professional, technical, and kindred workers	–	1 515	–	22	95	337	213	387	282	96	72	11	37.3
Managers and administrators, except farm	16	7 588	3	72	294	617	757	2 250	2 005	791	434	365	44.1
Buyers, purchasing agents, and sales managers	–	961	–	14	37	102	65	249	258	125	62	49	45.5
School administrators	–	269	–	–	–	5	12	116	102	24	5	5	45.1
Specified managers and administrators, public administration	–	340	–	–	3	11	30	80	105	64	22	25	49.4
Other specified managers and administrators	10	1 201	3	22	87	168	136	254	276	85	98	72	42.3
Managers and administrators, n.e.c., salaried	6	3 937	–	36	156	300	423	1 329	1 040	354	197	102	42.9
Manufacturing	–	1 708	–	6	32	94	204	683	455	116	92	26	42.6
Wholesale and retail trade	6	1 089	–	30	91	111	95	270	274	145	48	25	43.1
Transportation, communications, and other public utilities	–	245	–	–	–	23	18	67	87	22	16	12	46.7
All other industries	–	895	–	–	33	72	106	309	224	71	41	39	42.7
Managers and administrators, n.e.c., self-employed	–	880	–	–	11	31	91	222	224	139	50	112	48.8
Construction	–	197	–	–	–	12	29	77	47	18	5	9	42.5
Manufacturing	–	76	–	–	–	–	6	9	33	16	5	7	...
Wholesale and retail trade	–	448	–	–	6	15	39	89	114	93	24	68	51.6
All other industries	–	159	–	–	5	4	17	47	30	12	16	28	47.2
Sales workers	355	4 303	250	142	447	527	427	814	836	377	218	265	39.4
Insurance agents, brokers, and underwriters	–	550	–	–	48	53	62	133	146	50	17	41	43.4
Real estate agents and brokers	–	153	–	–	–	16	21	31	24	23	10	28	48.5
Sales representatives, manufacturing industries	–	425	–	–	23	86	70	105	98	29	14	–	38.2
Sales representatives, wholesale trade	–	751	–	8	96	97	46	179	136	82	72	35	42.2
Sales clerks, retail trade	–	1 069	113	81	158	89	87	140	175	65	46	115	35.5
Salesmen, retail trade	–	567	5	17	33	58	68	112	167	69	24	14	44.2
Salesmen of services and construction	–	169	–	10	12	51	18	32	19	15	–	12	33.2
Other sales workers	355	619	132	26	77	77	55	82	71	44	35	20	29.8
Clerical and kindred workers	12	5 737	138	311	643	736	553	1 115	1 214	501	365	161	39.4
Bank tellers and cashiers	3	159	30	43	23	30	4	–	19	–	–	10	21.4
Bookkeepers and billing clerks	–	442	–	11	51	87	45	73	78	34	44	19	38.7
Mail handlers and postal clerks	–	712	4	30	30	48	48	198	258	46	31	19	44.9
Other clerical and kindred workers	9	4 424	104	227	539	571	456	844	859	421	290	113	38.7
Craftsmen and kindred workers	36	14 388	50	225	1 303	1 789	1 483	3 109	3 343	1 647	1 012	427	42.5
Apparel craftsmen and upholsterers	–	341	–	14	33	50	27	101	58	30	10	18	39.6
Bakers	–	79	–	3	10	12	15	18	11	–	10	–	...
Cabinetmakers	–	71	–	–	–	10	–	21	13	–	20	7	...
Construction craftsmen	5	3 306	–	54	260	402	363	765	822	340	184	116	42.5
Carpenters	–	994	–	19	69	86	103	242	257	120	43	55	44.1
Excavating, grading, and road machine operators	–	535	–	10	32	40	108	108	160	52	19	6	42.2
Electricians	–	460	–	–	44	85	44	86	116	31	50	4	41.6
Masons and tile setters	–	251	–	5	19	56	29	70	67	–	5	–	37.4
Painters, construction and maintenance, and paperhangers	5	303	–	15	13	43	4	64	71	31	34	28	46.8
Plasterers and cement finishers	–	83	–	–	21	–	14	28	10	5	5	–	...
Plumbers and pipe fitters	–	472	–	5	41	49	54	98	112	75	28	10	43.9
Other construction craftsmen	–	208	–	–	21	43	7	69	29	26	–	13	39.8
Foremen, n.e.c.	–	2 205	–	6	51	118	204	508	704	391	173	50	48.1
Manufacturing	–	1 393	–	6	34	93	116	322	499	202	89	32	47.5
Nonmanufacturing industries	–	812	–	–	17	25	88	186	205	189	84	18	49.4
Linemen and servicemen, telephone and power	–	438	–	6	74	77	61	132	75	13	–	–	35.1
Locomotive engineers and firemen	–	78	–	–	–	–	9	17	20	17	–	15	...
Mechanics and repairmen	6	3 360	28	62	400	546	360	708	657	340	194	65	39.0
Air conditioning, heating, and refrigeration	–	139	–	–	12	10	18	40	42	6	5	6	42.4
Aircraft	–	19	–	–	10	–	–	–	4	5	–	–	...
Automobile, including body	6	1 427	14	48	254	232	169	264	220	151	75	–	34.9
Radio and television	–	152	14	–	5	51	13	37	16	11	5	–	32.3
Other mechanics and repairmen	–	1 623	–	14	119	253	160	367	375	167	109	59	42.2
Metal craftsmen, except mechanics	–	2 214	7	23	211	310	252	422	507	233	192	57	42.2
Machinists and job and die setters	–	742	–	14	91	122	96	124	148	78	62	7	38.9
Sheetmetal workers and tinsmiths	–	228	–	–	24	33	10	70	60	15	10	6	41.7
Tool and die makers	–	807	7	6	73	113	109	147	148	95	79	30	41.5
Other metal craftsmen	–	437	–	3	23	42	37	81	151	45	41	14	47.2
Printing craftsmen	–	420	–	28	66	87	70	84	59	22	–	4	32.1
Compositors and typesetters	–	207	–	6	30	65	26	43	15	18	–	4	30.5
Pressmen and plate printers, printing	–	113	–	11	20	10	34	21	13	4	–	–	32.3
Stationary engineers and power station operators	5	185	–	–	13	8	9	44	52	53	6	–	48.6
Other craftsmen and kindred workers	20	1 691	15	29	185	169	113	289	365	208	223	95	46.2

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

BINGHAMTON, N.Y.–PA., SMSA—Continued

Total—Continued

Male employed—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
Operatives, except transport	**32**	**10 425**	**159**	**525**	**1 388**	**1 102**	**837**	**1 603**	**2 483**	**1 246**	**880**	**202**	**42.5**
Assemblers	–	1 229	–	66	219	125	81	190	318	126	79	25	41.5
Checkers, examiners, and inspectors; manufacturing	–	1 430	5	20	128	151	166	261	334	188	161	16	44.4
Garage workers and gas station attendants	6	367	79	115	53	18	20	35	7	10	14	16	19.8
Laundry and drycleaning operatives, n.e.c	–	85	12	6	9	10	–	–	10	16	5	17	...
Meat cutters and butchers	–	267	5	14	26	36	22	63	70	19	12	–	39.8
Mine operatives, n.e.c	–	26	–	–	–	–	5	15	6	–	–	–	...
Packers and wrappers, except produce	5	400	21	59	64	42	24	38	98	28	20	6	32.9
Painters, manufactured articles	–	82	5	–	35	7	9	–	13	–	13	–	...
Precision machine operatives	–	733	–	34	90	89	62	108	203	86	51	10	43.5
Sawyers	–	122	–	10	8	9	–	22	39	11	23	–	48.1
Stationary firemen	–	79	8	4	5	5	4	12	14	13	14	–	...
Textile operatives	–	24	–	–	14	–	5	5	–	–	–	–	...
Welders and flamecutters	–	312	–	–	58	50	38	40	63	35	19	9	37.5
Other metalworking operatives	4	463	–	22	75	57	27	54	126	45	46	11	44.4
Other specified operatives	7	2 030	24	70	199	163	138	324	490	350	211	61	47.0
Miscellaneous and not specified operatives	10	2 776	–	105	405	340	236	436	692	319	212	31	41.9
Occupation:													
Machine operatives, miscellaneous specified	–	1 140	–	27	165	124	100	181	280	147	106	10	43.5
Machine operatives, not specified	–	716	–	22	90	99	67	145	144	81	57	11	40.5
Miscellaneous operatives	10	628	–	40	110	100	52	60	154	72	30	10	37.0
Not specified operatives	–	292	–	16	40	17	17	50	114	19	19	–	45.5
Industry:													
Manufacturing	–	2 502	–	100	342	314	224	404	614	302	181	21	41.7
Durable goods	–	1 941	–	68	261	282	166	342	499	198	110	15	40.7
Wood products, including furniture	–	95	–	–	–	8	4	26	20	22	5	10	...
Primary metal industries	–	120	–	19	13	–	15	27	20	9	12	5	39.8
Fabricated metal industries	–	87	–	–	15	32	10	17	13	–	–	–	...
Machinery, including electrical	–	994	–	32	136	158	74	132	275	119	68	–	42.3
Motor vehicles and equipment	–	6	–	–	–	–	–	6	–	–	–	–	...
Transportation equipment, except motor vehicles	–	47	–	5	–	8	5	13	6	6	4	–	...
Other durable goods	–	592	–	12	97	76	58	121	165	42	21	–	39.4
Nondurable goods	–	548	–	32	72	32	58	58	115	104	71	6	46.9
Food and kindred products	–	60	–	10	5	5	5	13	14	8	–	–	...
Apparel and other fabricated textile products	–	8	–	3	–	–	–	–	–	5	–	–	...
Paper and allied products	–	139	–	6	46	14	24	7	25	7	4	6	30.7
Chemicals and allied products	–	11	–	–	–	–	5	–	–	6	–	–	...
Other nondurable goods	–	330	–	13	21	13	24	38	76	78	67	–	52.4
Not specified manufacturing industries	–	13	–	–	9	–	–	4	–	–	–	–	...
Nonmanufacturing industries	10	274	–	5	63	26	12	32	78	17	31	10	44.7
Transportation, communications, and other public utilities	–	57	–	–	12	5	–	13	20	–	7	–	...
Wholesale and retail trade	5	91	–	5	22	8	–	10	32	5	4	5	...
All other industries	5	126	–	–	29	13	12	9	26	12	20	5	45.0
Transport equipment operatives	**12**	**3 721**	**31**	**99**	**311**	**399**	**539**	**985**	**809**	**280**	**177**	**91**	**39.9**
Bus drivers	–	281	–	4	21	29	9	49	123	24	10	12	47.3
Taxicab drivers and chauffeurs	–	172	–	5	15	17	19	30	36	15	25	10	45.0
Truck drivers and deliverymen	7	2 805	26	90	242	305	487	749	590	165	106	45	38.4
Other transport equipment operatives	5	463	5	–	33	48	24	157	60	76	36	24	42.7
Laborers, except farm	**53**	**3 699**	**315**	**439**	**557**	**330**	**277**	**527**	**609**	**326**	**198**	**121**	**33.8**
Construction laborers	–	842	6	22	135	124	83	140	165	74	75	18	38.6
Freight, stock, and material handlers	5	1 407	205	314	183	70	83	189	188	96	33	46	25.1
Other specified laborers	31	812	71	66	153	52	52	86	157	76	54	45	36.4
Miscellaneous and not specified laborers	17	638	33	37	86	84	59	112	99	80	36	12	36.8
Occupation:													
Miscellaneous laborers	–	228	4	4	48	28	27	42	51	18	6	–	35.7
Not specified laborers	17	410	29	33	38	56	32	70	48	62	30	12	37.4
Industry:													
Manufacturing	–	293	12	16	27	50	18	79	36	40	15	–	38.0
Durable goods	–	182	6	13	15	46	12	41	26	23	–	–	34.6
Wood products, including furniture	–	17	–	–	–	4	4	5	–	4	–	–	...
Metal industries	–	57	–	–	6	20	–	14	5	12	–	–	...
Machinery, including electrical	–	71	6	4	9	17	4	14	17	–	–	–	...
Transportation equipment	–	–	–	–	–	–	–	–	–	–	–	–	–
Other durable goods	–	37	–	9	–	5	4	8	4	7	–	–	...
Nondurable goods	–	106	6	3	12	4	6	38	10	17	10	–	40.8
Food and kindred products	–	33	–	–	–	4	–	19	10	–	–	–	...
Not specified manufacturing industries	–	5	–	–	–	–	–	–	–	–	5	–	...
Nonmanufacturing industries	17	345	21	21	59	34	41	33	63	40	21	12	34.6
Railroads and railway express service	–	62	–	–	13	10	–	–	17	10	12	–	...
Transportation, except railroads	–	12	–	–	8	–	–	–	–	4	–	–	...
Communications, and utilities and sanitary services	–	66	–	9	13	–	6	21	4	13	–	–	...
Wholesale and retail trade	6	85	9	8	10	–	19	6	6	6	9	12	...
All other industries	11	120	12	4	15	24	16	6	36	7	–	–	31.6
Farmers and farm managers	**13**	**1 647**	**11**	**11**	**102**	**180**	**106**	**367**	**378**	**178**	**112**	**202**	**46.2**
Farm laborers and farm foremen	**104**	**750**	**79**	**106**	**141**	**66**	**77**	**107**	**90**	**20**	**7**	**57**	**28.7**
Paid farm laborers and farm foremen	82	647	58	59	119	63	77	107	90	20	7	47	31.6
Unpaid family workers	22	103	21	47	22	3	–	–	–	–	–	10	19.3
Service workers, except private household[1]	**116**	**6 307**	**465**	**565**	**622**	**442**	**457**	**859**	**1 303**	**650**	**482**	**462**	**42.0**
Cleaning service workers	49	2 159	89	141	177	100	80	224	601	291	258	198	49.5
Food service workers	21	1 237	299	185	178	78	47	96	197	82	22	53	23.8
Cooks, except private household	5	433	87	55	71	39	30	36	65	27	8	15	25.4
Busboys and dishwashers	10	249	106	55	16	–	14	4	33	21	–	–	18.7
Health service workers	–	453	20	45	59	58	53	73	93	12	36	4	34.2
Personal service workers	19	480	25	39	46	26	41	74	84	81	41	23	43.5
Protective service workers	–	1 405	–	62	59	126	174	333	261	136	111	143	43.5
Firemen, fire protection	–	278	–	–	5	20	38	78	82	44	11	–	44.7
Guards and watchmen	–	470	–	57	31	16	11	75	80	64	73	63	50.6
Policemen and detectives	–	519	–	–	23	77	121	160	94	24	10	10	37.4
Private household workers	**–**	**12**	**–**	**–**	**–**	**–**	**5**	**7**	**–**	**–**	**–**	**–**	**...**

[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
BINGHAMTON, N.Y.–PA., SMSA—Continued													
Total—Continued													
Female employed	334	43 128	1 149	2 504	5 776	3 927	3 522	8 136	10 266	3 882	2 603	1 363	40.8
Professional, technical, and kindred workers	14	7 421	19	105	1 382	1 064	722	1 450	1 344	683	451	201	37.9
Accountants	–	234	–	9	52	26	10	43	66	11	17	–	39.7
Computer specialists	–	213	–	–	94	62	18	11	23	5	–	–	26.0
Librarians	–	222	–	–	69	27	28	28	23	21	21	5	32.7
Mathematical specialists	–	11	–	–	6	–	–	5	–	–	–	–	...
Life and physical scientists	–	7	–	–	–	7	–	–	–	–	–	–	...
Registered nurses, dietitians, and therapists	–	1 691	–	6	239	259	188	369	324	155	108	43	39.2
Dietitians	–	56	–	–	–	5	–	14	31	–	6	–	...
Registered nurses	–	1 577	–	6	218	244	178	355	282	149	102	43	39.0
Health technologists and technicians	–	355	–	17	168	58	20	38	34	16	–	4	24.8
Social scientists	–	17	–	–	–	–	7	10	–	–	–	–	...
Social and recreation workers	–	226	–	–	57	21	8	58	41	32	4	5	39.7
Teachers: College and university	–	172	6	–	52	23	28	29	19	9	–	6	30.9
Elementary and prekindergarten	4	1 951	–	–	277	314	218	382	322	243	143	52	39.4
Secondary	–	796	–	5	114	99	95	140	151	106	77	9	41.1
Other teachers	–	270	9	25	35	23	13	63	40	16	15	31	39.8
Engineering and science technicians	–	228	–	23	35	18	32	60	50	6	4	–	36.0
Technicians, except health, and engineering and science	–	12	–	–	5	–	–	7	–	–	–	–	...
Writers, artists, and entertainers	4	292	4	11	54	21	18	79	80	14	7	4	39.8
Actors and dancers	–	–	–	–	–	–	–	–	–	–	–	–	–
Authors, editors, and reporters	–	80	–	–	20	11	5	18	19	–	7	–	...
Other professional, technical, and kindred workers	6	724	–	9	125	106	39	128	171	49	55	42	41.5
Managers and administrators, except farm	–	1 363	5	16	97	54	85	291	375	189	158	93	48.6
Buyers, purchasing agents, and sales managers	–	192	–	4	28	3	5	35	79	9	29	–	47.7
Restaurant, cafeteria, and bar managers	–	154	–	–	–	–	8	41	57	34	14	–	49.9
School administrators	–	86	–	–	–	–	7	45	9	11	–	14	...
Other specified managers and administrators	–	302	5	6	37	35	16	54	66	28	40	15	44.6
Managers and administrators, n.e.c., salaried	–	430	–	6	28	10	39	89	136	63	32	27	48.2
Wholesale and retail trade	–	120	–	–	–	–	15	45	27	9	15	9	45.0
Managers and administrators, n.e.c., self-employed	–	199	–	–	4	6	10	27	28	44	43	37	57.8
Wholesale and retail trade	–	138	–	–	–	6	5	22	24	33	26	22	56.8
Sales workers	25	2 953	141	239	247	209	181	555	746	289	186	160	43.3
Demonstrators, hucksters, and peddlers	–	191	–	–	30	36	14	49	25	27	–	10	38.2
Insurance, real estate agents, and brokers	–	276	–	9	5	15	27	63	105	15	15	22	46.8
Sales clerks, retail trade	3	1 966	102	185	143	106	121	363	497	210	128	111	44.0
Salesmen, retail trade	–	62	4	5	–	–	5	14	5	22	3	4	...
Other sales workers	22	458	35	40	69	52	14	66	114	15	40	13	37.9
Clerical and kindred workers	50	13 344	405	1 123	2 338	1 354	1 084	2 424	2 953	822	610	231	36.5
Bank tellers	–	241	11	27	55	31	9	47	39	11	5	6	29.4
Bookkeepers	–	1 589	8	41	214	146	85	295	439	202	126	33	45.1
Cashiers	23	1 120	150	181	89	78	77	198	244	55	36	12	34.0
Counter clerks, except food	–	134	16	10	–	4	12	33	37	18	–	4	42.6
Enumerators and interviewers	–	162	–	8	27	10	18	44	47	–	–	8	39.1
File clerks	5	226	21	33	71	–	18	12	61	5	–	5	24.2
Office machine operators	–	445	–	52	115	46	52	97	75	4	4	–	30.9
Bookkeeping and billing machine operators	–	70	–	27	14	–	3	26	–	–	–	–	...
Keypunch operators	–	290	–	25	69	41	43	48	56	4	4	–	31.2
Payroll and timekeeping clerks	–	157	–	6	27	22	25	24	22	11	15	5	34.7
Receptionists	–	446	6	21	94	38	28	86	120	21	13	19	39.2
Secretaries	–	4 018	62	274	876	556	410	649	827	169	115	80	32.9
Stenographers	–	180	5	17	41	9	–	45	38	5	10	10	39.0
Telephone operators	–	395	–	70	77	44	15	70	67	14	38	–	32.2
Typists	–	992	43	105	210	116	83	191	183	31	26	4	31.3
Other clerical and kindred workers	22	3 239	83	278	442	254	252	633	754	276	222	45	39.9
Craftsmen and kindred workers	–	884	7	33	75	96	69	211	226	83	62	22	42.7
Foremen, n.e.c.	–	190	–	–	7	7	18	57	46	29	21	5	46.3
Operatives, except transport	20	8 198	56	328	722	505	681	1 654	2 543	1 015	529	165	45.6
Assemblers	3	1 565	–	75	187	125	137	382	482	125	48	4	41.8
Bottling and canning operatives	–	3	–	–	–	–	–	3	–	–	–	–	...
Checkers, examiners, and inspectors; manufacturing	–	688	–	5	30	48	44	168	294	61	28	10	46.7
Dressmakers and seamstresses, except factory	–	50	–	–	–	8	–	9	13	15	–	5	...
Laundry and dry cleaning operatives, including ironers	–	221	–	–	9	–	13	37	88	26	30	18	50.9
Graders and sorters, manufacturing	–	47	–	–	9	–	–	15	12	11	–	–	...
Packers and wrappers, except produce	–	441	8	19	65	18	28	82	177	39	5	–	45.0
Sewers and stitchers	–	1 589	22	54	100	92	96	264	418	290	199	54	49.0
Textile operatives	–	20	–	–	–	–	–	–	10	10	–	–	...
Other specified operatives	13	2 219	17	106	208	170	228	410	605	266	159	50	44.3
Miscellaneous and not specified operatives	4	1 355	9	69	114	44	135	284	444	172	60	24	45.5
Manufacturing	–	1 256	5	59	99	44	126	274	412	159	54	24	45.5
Durable goods	–	724	5	50	49	24	80	172	262	55	17	10	44.0
Machinery, including electrical	–	427	5	44	32	24	55	99	130	24	9	5	40.4
Other durable goods	–	297	–	6	17	–	25	73	132	31	8	5	47.1
Nondurable goods, including not specified manufacturing	–	532	–	9	50	20	46	102	150	104	37	14	47.6
Food and kindred products	–	61	–	–	6	5	–	20	24	6	–	–	...
Apparel and other fabricated textile products	–	60	–	5	9	–	17	8	7	5	5	4	...
Nonmanufacturing industries	4	99	4	10	15	–	9	10	32	13	6	–	...
Transport equipment operatives	–	306	–	18	14	35	40	125	61	4	–	9	38.7
Laborers, except farm	6	292	18	11	40	33	18	63	46	41	22	–	39.1
Farmers and farm managers	–	155	3	4	12	18	10	27	38	10	18	15	45.9
Farm laborers and farm foremen	23	132	21	5	23	5	–	29	36	–	7	6	39.1
Paid farm laborers and farm foremen	13	91	15	5	18	5	–	14	28	–	–	6	...
Unpaid family workers	10	41	6	–	5	–	–	15	8	–	7	–	...
Service workers, except private household[1]	63	7 087	382	587	775	526	600	1 171	1 728	624	452	242	40.8
Cleaning service workers	6	855	44	29	65	23	40	142	249	133	77	53	48.4
Chambermaids and maids	–	252	16	12	13	9	18	46	70	27	21	20	46.7
Food service workers	4	2 703	202	263	190	129	253	506	758	197	140	65	41.2
Cooks, except private household	–	587	18	18	10	22	44	100	186	93	69	27	49.4
Waiters and food counter workers	–	1 541	148	212	121	91	179	281	388	58	44	19	35.7
Health service workers	5	1 512	44	143	213	191	125	211	341	103	97	44	36.9
Nursing aides, orderlies, and attendants	5	982	36	111	128	107	71	149	213	74	63	30	37.6
Practical nurses	–	271	–	–	34	61	31	33	59	15	24	14	37.9
Personal service workers	14	1 181	40	81	200	120	96	183	218	124	75	44	37.9
Hairdressers and cosmetologists	–	692	3	42	149	85	74	93	120	61	28	37	34.5
Private household workers	133	993	92	35	51	28	32	136	170	122	108	219	52.2
Private household workers, living in	–	90	–	–	–	–	–	20	10	7	10	43	...
Private household workers, living out	133	903	92	35	51	28	32	116	160	115	98	176	51.1

[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
BUFFALO SMSA													
Total													
Male employed	3 240	321 814	8 062	11 081	30 683	34 705	30 786	69 984	74 871	29 951	20 251	11 440	41.5
Professional, technical, and kindred workers	15	45 045	123	336	4 789	7 536	5 959	10 844	9 093	2 809	1 980	1 576	38.5
Accountants	–	3 390	–	11	387	610	353	645	797	228	208	151	40.2
Architects	–	191	–	–	–	16	30	51	33	17	5	39	44.7
Computer specialists	–	999	4	10	202	309	170	228	61	5	10	–	29.6
Engineers	–	8 081	–	12	487	1 042	994	2 382	2 072	589	312	191	41.3
Aeronautical and astronautical	–	595	–	–	10	37	66	217	176	46	33	10	43.5
Civil	–	1 002	–	–	58	169	155	287	165	89	35	44	39.1
Electrical and electronic	–	1 259	–	–	86	173	156	466	279	75	18	6	39.6
Mechanical	–	1 303	–	8	83	159	158	362	376	97	36	24	41.7
Other engineers	–	3 922	–	4	250	504	459	1 050	1 076	282	190	107	42.1
Lawyers and judges	–	1 755	–	–	14	235	235	491	334	133	141	172	43.0
Life and physical scientists	–	1 426	–	16	141	153	173	360	379	112	64	28	41.4
Chemists	–	1 189	–	10	120	125	129	299	326	99	59	22	42.0
Physicians, dentists, and related practitioners	–	3 786	6	5	108	405	485	800	915	329	296	437	45.9
Dentists	–	620	–	–	–	50	65	127	197	61	65	55	48.5
Pharmacists	–	780	–	5	71	52	74	188	137	68	71	114	45.0
Physicians, medical and osteopathic	–	2 095	–	–	37	293	299	415	508	176	143	224	45.1
Other related practitioners	–	291	6	–	–	10	47	70	73	24	17	44	46.7
Health technologists and technicians	–	580	–	19	139	110	86	88	104	10	9	15	31.3
Religious workers	–	1 194	–	–	36	94	154	303	282	121	90	114	45.4
Social scientists	–	460	–	–	51	70	62	140	75	11	36	15	38.4
Social and recreation workers	5	937	18	13	129	176	163	185	157	37	33	26	34.1
Teachers	4	8 684	5	65	1 368	1 991	1 300	1 987	1 307	309	210	142	33.5
College and university	–	2 653	–	24	299	476	512	667	451	118	43	63	35.2
Elementary and prekindergarten	–	1 396	–	10	312	408	166	309	123	39	29	–	29.6
Secondary	–	4 245	–	8	726	1 033	583	929	670	135	113	48	33.0
Engineering and science technicians	–	5 222	37	95	749	878	675	1 325	978	257	187	41	36.3
Draftsmen and surveyors	–	2 117	6	73	385	438	237	478	315	91	80	14	33.3
Electrical and electronic engineering technicians	–	773	5	–	94	92	104	247	190	27	9	5	38.7
Technicians, except health, and engineering and science	–	528	3	5	62	99	101	157	85	16	–	–	34.7
Airplane pilots	–	145	–	–	–	11	43	75	16	–	–	–	37.5
Writers, artists, and entertainers	–	2 807	41	44	361	405	300	625	521	199	184	127	39.0
Other professional, technical, and kindred workers	6	5 005	9	41	555	943	678	1 077	993	436	195	78	37.6
Managers and administrators, except farm	46	30 163	26	134	1 427	2 597	3 047	7 863	8 352	3 152	2 153	1 412	45.0
Buyers, purchasing agents, and sales managers	–	4 361	–	25	259	460	632	1 160	1 144	333	231	117	41.9
School administrators	–	787	–	–	6	29	69	322	190	90	67	14	44.0
Specified managers and administrators, public administration	–	1 663	–	11	24	67	110	370	554	247	159	121	49.5
Other specified managers and administrators	32	5 742	4	26	417	650	611	1 179	1 444	700	456	255	44.9
Managers and administrators, n.e.c., salaried	14	14 577	14	72	657	1 278	1 422	4 156	4 112	1 371	892	603	44.3
Manufacturing	14	4 376	4	–	90	301	376	1 217	1 432	451	349	156	46.4
Wholesale and retail trade	–	4 582	–	48	331	558	487	1 235	1 106	382	201	234	42.0
Transportation, communications, and other public utilities	–	1 260	5	–	44	51	106	366	361	159	121	47	46.6
All other industries	–	4 359	5	24	192	368	453	1 338	1 213	379	221	166	43.5
Managers and administrators, n.e.c., self-employed	–	3 033	8	–	64	113	203	676	908	411	348	302	50.0
Construction	–	556	–	–	4	4	31	178	226	61	39	13	47.7
Manufacturing	–	238	–	–	–	8	31	39	71	28	34	27	50.8
Wholesale and retail trade	–	1 778	8	–	55	85	105	365	473	246	227	214	50.7
All other industries	–	461	–	–	5	16	36	94	138	76	48	48	50.8
Sales workers	1 872	20 643	1 170	730	2 032	2 289	1 951	4 118	4 131	1 622	1 297	1 303	40.2
Insurance agents, brokers, and underwriters	7	2 328	10	11	188	371	292	633	456	110	128	129	39.6
Real estate agents and brokers	–	722	–	–	21	62	58	168	153	71	79	110	48.4
Sales representatives, manufacturing industries	4	2 386	–	10	133	324	346	668	595	153	99	58	40.7
Sales representatives, wholesale trade	–	4 445	–	13	277	618	538	1 028	1 017	425	275	254	42.6
Sales clerks, retail trade	28	4 959	550	478	912	405	225	511	707	386	373	412	33.0
Salesmen, retail trade	6	2 444	47	87	239	234	166	449	618	219	188	197	45.0
Salesmen of services and construction	–	1 081	27	25	84	83	119	248	271	143	50	31	43.2
Other sales workers	1 827	2 278	536	106	178	192	207	413	314	115	105	112	33.1
Clerical and kindred workers	116	24 740	564	1 177	3 096	2 544	1 933	4 925	5 670	2 316	1 685	830	41.2
Bank tellers and cashiers	4	641	80	102	99	58	11	60	79	40	70	42	28.4
Bookkeepers and billing clerks	–	1 824	17	26	226	200	118	329	437	200	162	109	44.9
Mail handlers and postal clerks	14	3 780	30	102	241	242	266	1 055	1 293	339	150	62	44.6
Other clerical and kindred workers	98	18 495	437	947	2 530	2 044	1 538	3 481	3 861	1 737	1 303	617	40.0
Craftsmen and kindred workers	91	75 778	353	1 315	5 658	7 205	7 493	18 205	20 138	7 933	5 538	1 940	43.7
Apparel craftsmen and upholsterers	7	402	4	11	20	4	21	53	106	51	80	52	53.3
Bakers	–	645	39	23	45	36	32	135	195	74	50	16	45.6
Cabinetmakers	–	246	–	14	12	5	16	42	83	21	26	27	49.1
Construction craftsmen	14	15 551	69	155	1 020	1 432	1 747	4 399	3 955	1 300	1 064	410	42.6
Carpenters	–	3 415	23	26	181	225	328	1 001	1 008	306	214	103	44.2
Excavating, grading, and road machine operators	–	1 184	–	16	61	110	135	389	338	103	27	5	41.9
Electricians	–	3 728	–	5	299	378	465	1 004	896	340	261	80	42.1
Masons and tile setters	–	1 262	5	35	42	105	133	491	279	80	61	31	41.3
Painters, construction and maintenance, and paperhangers	14	1 446	25	55	105	118	166	322	323	112	135	85	42.9
Plasterers and cement finishers	–	484	10	9	16	30	50	184	110	51	15	9	41.9
Plumbers and pipe fitters	–	2 936	6	5	167	314	373	730	742	254	283	62	43.3
Other construction craftsmen	–	1 096	–	4	149	152	97	278	259	54	68	35	40.3
Foremen, n.e.c.	–	12 084	5	45	317	777	1 098	3 174	3 739	1 779	949	201	46.7
Manufacturing	–	8 345	–	11	173	534	789	2 144	2 706	1 261	613	114	46.9
Nonmanufacturing industries	–	3 739	5	34	144	243	309	1 030	1 033	518	336	87	46.0
Linemen and servicemen, telephone and power	–	1 915	–	16	264	233	254	661	338	71	63	15	37.9
Locomotive engineers and firemen	–	1 061	–	7	94	75	109	208	296	109	115	48	46.3
Mechanics and repairmen	10	17 066	136	550	1 791	2 011	1 766	3 710	4 095	1 548	1 130	329	41.1
Air conditioning, heating, and refrigeration	–	802	–	19	64	108	55	217	197	77	52	13	42.1
Aircraft	–	357	4	–	10	34	31	114	115	31	18	–	43.7
Automobile, including body	–	6 119	78	314	907	780	743	1 316	1 107	474	265	135	36.8
Radio and television	–	600	–	13	95	95	18	132	141	48	42	16	41.0
Other mechanics and repairmen	10	9 188	54	204	715	994	919	1 931	2 535	918	753	165	43.8
Metal craftsmen, except mechanics	–	12 187	20	181	883	1 151	1 064	2 572	3 781	1 425	898	212	45.6
Machinists and job and die setters	–	3 776	15	65	338	389	328	720	1 154	427	301	39	45.3
Sheetmetal workers and tinsmiths	–	1 235	5	20	71	103	145	345	316	125	74	31	42.9
Tool and die makers	–	2 720	–	69	205	306	189	574	894	229	193	61	45.2
Other metal craftsmen	–	4 456	–	27	269	353	402	933	1 417	644	330	81	46.7
Printing craftsmen	–	2 970	21	146	376	391	391	608	528	259	145	105	37.6
Compositors and typesetters	–	962	–	51	93	111	128	216	145	86	66	66	39.5
Pressmen and plate printers, printing	–	1 507	16	79	177	212	222	318	264	115	69	35	36.5
Stationary engineers and power station operators	–	1 511	–	14	43	68	110	338	434	251	158	95	49.2
Other craftsmen and kindred workers	60	10 140	59	153	793	1 022	885	2 305	2 588	1 045	860	430	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
BUFFALO SMSA—Continued													
Total—Continued													
Male employed—Continued													
Operatives, except transport	**180**	**56 801**	**1 128**	**2 343**	**6 463**	**6 327**	**4 941**	**11 745**	**14 213**	**5 579**	**3 022**	**1 040**	**41.1**
Assemblers	–	5 596	25	198	729	800	441	1 156	1 414	493	271	69	40.2
Checkers, examiners, and inspectors, manufacturing	–	4 360	5	64	474	469	401	997	1 188	500	201	61	42.7
Garage workers and gas station attendants	25	2 068	673	414	295	105	63	152	152	91	63	60	19.7
Laundry and drycleaning operatives, n.e.c	–	380	30	16	45	36	19	75	95	28	31	5	40.9
Meat cutters and butchers	18	1 271	32	81	118	103	135	285	242	87	119	69	40.8
Mine operatives, n.e.c	–	89	4	–	5	6	–	27	19	20	–	8	...
Packers and wrappers, except produce	15	1 489	27	121	272	144	101	237	396	86	90	15	38.4
Painters, manufactured articles	–	765	9	28	75	51	64	171	210	113	44	–	44.1
Precision machine operatives	–	4 527	13	166	521	542	376	884	1 200	460	267	98	42.3
Sawyers	4	301	–	20	28	60	27	41	83	21	15	6	38.8
Stationary firemen	–	1 067	4	4	70	122	62	157	277	235	81	55	49.1
Textile operatives	–	294	15	24	39	31	47	38	56	18	15	11	34.0
Welders and flamecutters	–	4 271	11	90	347	455	466	1 074	1 213	360	208	47	42.1
Other metalworking operatives	8	4 380	11	83	382	448	341	926	1 290	528	310	61	45.0
Other specified operatives	97	7 390	85	250	861	886	685	1 543	1 709	715	409	247	41.0
Miscellaneous and not specified operatives	13	18 553	184	784	2 202	2 069	1 713	3 982	4 669	1 824	898	228	40.8
Occupation:													
Machine operatives, miscellaneous specified	–	7 052	33	260	771	749	679	1 641	1 913	580	350	76	41.3
Machine operatives, not specified	–	5 113	11	191	596	628	473	1 092	1 273	532	257	60	41.0
Miscellaneous operatives	7	4 199	126	220	582	478	357	753	941	500	173	69	39.5
Not specified operatives	6	2 189	14	113	253	214	204	496	542	212	118	23	41.0
Industry:													
Manufacturing	10	16 602	107	655	1 920	1 884	1 556	3 548	4 347	1 622	787	176	41.1
Durable goods	10	10 189	27	310	1 058	1 243	1 020	2 215	2 731	1 022	434	129	41.5
Wood products, including furniture	6	159	–	22	–	20	20	31	30	25	6	5	40.6
Primary metal industries	4	3 077	8	76	305	390	317	657	845	292	150	37	41.7
Fabricated metal industries	–	1 121	5	42	127	140	92	259	287	118	28	23	41.0
Machinery, including electrical	–	1 948	5	76	222	205	185	412	553	185	80	25	41.8
Motor vehicles and equipment	–	1 968	–	28	165	299	255	483	508	170	48	12	39.9
Transportation equipment, except motor vehicles	–	450	–	5	34	51	18	107	174	32	29	–	45.6
Other durable goods	–	1 466	9	61	205	138	133	266	334	200	93	27	42.0
Nondurable goods	–	6 314	80	339	855	636	536	1 309	1 585	590	337	47	40.4
Food and kindred products	–	818	43	24	109	53	48	202	186	82	60	11	41.5
Apparel and other fabricated textile products	–	73	–	4	14	10	–	11	11	13	5	5	...
Paper and allied products	–	1 168	8	121	149	86	145	263	263	51	61	21	37.9
Chemicals and allied products	–	2 377	12	66	266	260	186	501	677	265	137	7	43.0
Other nondurable goods	–	1 878	17	124	317	227	157	332	448	179	74	3	37.9
Not specified manufacturing industries	–	99	–	6	7	5	–	24	31	10	16	–	...
Nonmanufacturing industries	3	1 951	77	129	282	185	157	434	322	202	111	52	38.4
Transportation, communications, and other public utilities	–	409	25	14	83	51	12	60	79	35	50	–	38.3
Wholesale and retail trade	3	891	31	110	80	70	79	236	137	90	22	36	38.2
All other industries	–	651	21	5	119	64	66	138	106	77	39	16	38.7
Transport equipment operatives	**16**	**18 223**	**132**	**590**	**1 707**	**1 855**	**1 870**	**4 346**	**4 335**	**1 789**	**1 133**	**466**	**41.8**
Bus drivers	–	937	–	–	23	38	74	157	261	184	170	30	51.8
Taxicab drivers and chauffeurs	–	819	–	30	111	81	29	153	135	110	71	99	45.4
Truck drivers and deliverymen	5	12 011	113	423	1 056	1 264	1 322	3 041	2 884	1 098	603	207	41.0
Other transport equipment operatives	11	4 456	19	137	517	472	445	995	1 055	397	289	130	41.4
Laborers, except farm	**311**	**21 493**	**1 975**	**2 521**	**2 939**	**2 060**	**1 613**	**3 372**	**3 704**	**1 779**	**1 070**	**460**	**33.9**
Construction laborers	10	2 674	71	137	355	289	233	541	542	269	191	46	39.7
Freight, stock, and material handlers	131	10 132	1 405	1 659	1 427	859	665	1 425	1 513	752	304	123	28.3
Other specified laborers	120	3 542	339	355	446	310	263	530	557	276	265	201	36.1
Miscellaneous and not specified laborers	50	5 145	160	370	711	602	452	876	1 092	482	310	90	38.2
Occupation:													
Miscellaneous laborers	–	2 435	21	101	269	288	233	416	615	275	169	48	42.3
Not specified laborers	50	2 710	139	269	442	314	219	460	477	207	141	42	34.4
Industry:													
Manufacturing	–	3 806	9	274	564	439	357	672	861	385	192	53	38.9
Durable goods	–	3 196	–	181	458	345	333	593	732	345	166	43	39.7
Wood products, including furniture	–	30	–	4	6	–	–	–	9	6	5	–	...
Metal industries	–	2 282	–	130	336	236	224	446	535	254	105	16	39.8
Machinery, including electrical	–	239	–	17	41	29	12	42	60	9	18	11	39.9
Transportation equipment	–	463	–	5	35	77	84	91	84	47	29	11	38.4
Other durable goods	–	182	–	25	40	3	13	14	44	29	9	5	42.1
Nondurable goods	–	590	9	88	106	87	24	71	129	40	26	10	31.0
Food and kindred products	–	115	–	8	–	27	5	31	28	4	12	–	40.6
Not specified manufacturing industries	–	20	–	5	–	7	–	8	–	–	–	–	...
Nonmanufacturing industries	50	1 339	151	96	147	163	95	204	231	97	118	37	35.9
Railroads and railway express service	–	215	4	–	19	21	15	57	55	10	34	–	43.5
Transportation, except railroads	5	53	–	4	–	5	4	22	–	5	13	–	...
Communications, and utilities and sanitary services	–	258	–	16	27	51	15	29	65	21	28	6	41.9
Wholesale and retail trade	25	410	73	47	42	37	42	44	49	50	15	11	30.7
All other industries	20	403	74	29	59	49	19	52	62	11	28	20	29.0
Farmers and farm managers	**21**	**1 659**	**9**	**15**	**70**	**115**	**111**	**279**	**401**	**190**	**181**	**288**	**50.7**
Farm laborers and farm foremen	**146**	**1 136**	**175**	**133**	**157**	**123**	**76**	**148**	**116**	**62**	**70**	**76**	**29.2**
Paid farm laborers and farm foremen	137	1 069	168	115	146	123	71	142	116	57	70	61	29.3
Unpaid family workers	9	67	7	18	11	–	5	6	–	5	–	15	...
Service workers, except private household[1]	**397**	**26 076**	**2 395**	**1 774**	**2 345**	**2 054**	**1 792**	**4 139**	**4 710**	**2 720**	**2 109**	**2 038**	**41.5**
Cleaning service workers	91	8 946	666	539	698	520	368	1 066	1 797	1 290	1 093	909	48.4
Food service workers	160	5 311	1 384	831	649	253	228	457	602	377	254	276	23.4
Cooks, except private household	20	1 485	320	248	233	91	86	155	138	77	60	77	23.7
Busboys and dishwashers	94	1 339	708	348	109	11	23	32	34	53	11	10	17.9
Health service workers	7	1 122	79	105	265	117	77	180	168	61	52	18	29.8
Personal service workers	43	2 367	171	143	235	217	210	367	376	234	114	300	40.7
Protective service workers	–	6 996	31	56	343	829	811	1 795	1 575	622	492	442	43.0
Firemen, fire protection	–	1 641	–	–	20	136	231	611	394	173	57	19	42.1
Guards and watchmen	–	2 190	26	42	143	190	141	281	502	270	294	301	50.4
Policemen and detectives	–	2 799	–	9	162	452	419	836	617	145	126	33	39.3
Private household workers	**29**	**57**	**12**	**13**	–	–	–	–	**8**	–	**13**	**11**	...

[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
BUFFALO SMSA—Continued													
Total—Continued													
Female employed	896	187 975	4 772	11 633	28 039	16 108	13 191	36 243	43 527	16 941	10 813	6 708	40.6
Professional, technical, and kindred workers	16	30 926	153	395	6 222	4 541	3 039	6 043	5 564	2 272	1 756	941	36.8
Accountants	–	1 093	5	29	126	111	66	232	262	131	80	51	44.0
Computer specialists	–	235	–	4	96	48	6	23	46	–	8	4	26.8
Librarians	–	588	6	21	89	67	29	88	127	64	61	36	44.3
Mathematical specialists	–	43	–	–	4	–	5	15	10	–	–	9	...
Life and physical scientists	–	138	–	–	39	8	31	28	27	–	5	–	33.5
Registered nurses, dietitians, and therapists	–	6 541	21	51	1 113	819	772	1 518	1 326	464	341	116	38.3
Dietitians	–	305	16	8	69	37	44	30	61	11	24	5	32.6
Registered nurses	–	5 900	5	29	955	717	717	1 414	1 216	443	302	102	38.7
Health technologists and technicians	6	1 738	12	78	570	212	210	349	219	43	35	10	29.9
Social scientists	–	129	–	–	22	29	4	31	29	–	–	14	38.1
Social and recreation workers	5	1 188	16	9	213	175	74	277	234	87	75	28	38.9
Teachers: College and university	–	1 037	–	5	117	159	135	229	246	32	66	48	39.5
Elementary and prekindergarten	5	8 552	22	23	1 970	1 322	750	1 578	1 414	675	543	255	36.2
Secondary	–	3 961	11	14	850	828	408	575	605	316	237	117	33.4
Other teachers	–	823	35	25	97	59	97	220	130	86	27	47	39.5
Engineering and science technicians	–	690	–	20	214	117	60	113	127	34	5	–	29.7
Technicians, except health, and engineering and science	–	44	5	–	6	3	11	5	6	3	5	–	...
Writers, artists, and entertainers	–	1 117	9	45	195	140	97	256	195	71	49	60	37.8
Actors and dancers	–	12	–	–	3	4	5	–	–	–	–	–	...
Authors, editors, and reporters	–	222	–	5	51	39	21	33	46	18	5	4	33.8
Other professional, technical, and kindred workers	–	3 009	11	71	501	444	284	506	561	266	219	146	38.8
Managers and administrators, except farm	–	5 618	5	69	331	377	360	1 164	1 614	820	453	425	48.1
Buyers, purchasing agents, and sales managers	–	947	–	25	40	55	33	211	326	151	69	37	48.4
Restaurant, cafeteria, and bar managers	–	711	–	6	33	–	27	177	237	81	85	65	49.7
School administrators	–	579	–	–	5	51	29	146	150	115	46	37	48.9
Other specified managers and administrators	–	1 083	5	21	109	87	94	186	267	154	74	86	46.5
Managers and administrators, n.e.c., salaried	–	1 751	–	17	135	159	162	343	479	202	118	136	46.2
Wholesale and retail trade	–	653	–	12	62	70	49	136	198	70	31	25	44.8
Managers and administrators, n.e.c., self-employed	–	547	–	–	9	25	15	101	155	117	61	64	53.0
Wholesale and retail trade	–	383	–	–	–	25	10	67	111	78	32	60	53.1
Sales workers	54	18 735	1 021	1 561	1 867	1 002	1 203	3 405	4 623	1 995	1 131	927	43.0
Demonstrators, hucksters, and peddlers	5	491	16	19	58	95	71	122	63	21	11	15	34.0
Insurance, real estate agents, and brokers	–	911	–	29	86	84	84	176	226	122	36	68	44.8
Sales clerks, retail trade	40	14 485	890	1 362	1 418	624	777	2 489	3 685	1 582	965	693	43.7
Salesmen, retail trade	–	457	17	28	61	13	19	99	138	50	12	20	44.1
Other sales workers	9	2 391	98	123	244	186	252	519	511	220	107	131	40.6
Clerical and kindred workers	177	65 338	1 517	6 376	13 307	5 852	4 383	11 800	12 615	4 616	3 187	1 685	36.0
Bank tellers	–	1 483	–	117	455	161	78	311	282	42	32	5	30.5
Bookkeepers	6	7 506	28	321	1 065	522	488	1 472	1 960	744	535	371	44.0
Cashiers	30	5 916	604	1 005	718	409	443	1 115	1 033	336	175	78	32.5
Counter clerks, except food	–	848	24	96	198	61	66	128	159	57	38	21	33.4
Enumerators and interviewers	–	190	–	–	14	23	28	77	19	10	9	10	38.9
File clerks	10	2 046	98	427	538	125	69	285	299	118	63	24	24.6
Office machine operators	5	2 595	13	254	628	352	298	454	337	110	93	56	30.8
Bookkeeping and billing machine operators	–	282	–	40	64	51	28	37	33	15	9	5	28.6
Keypunch operators	–	1 460	9	148	442	235	164	259	132	49	12	10	27.8
Payroll and timekeeping clerks	–	834	–	52	123	80	49	162	234	75	45	14	42.0
Receptionists	15	1 611	35	240	382	174	101	243	208	99	61	68	29.3
Secretaries	17	15 343	99	1 147	3 819	1 656	957	2 655	2 911	1 066	669	364	35.0
Stenographers	–	1 410	5	106	368	175	66	223	257	99	87	24	33.9
Telephone operators	5	2 386	34	313	483	207	180	399	314	183	190	83	34.3
Typists	12	7 156	165	963	1 828	630	407	1 046	1 261	413	320	123	29.9
Other clerical and kindred workers	77	16 014	412	1 335	2 688	1 277	1 153	3 230	3 341	1 264	870	444	38.5
Craftsmen and kindred workers	10	3 007	29	85	198	223	170	678	931	414	157	122	46.3
Foremen, n.e.c.	–	679	–	5	45	41	36	191	230	104	21	6	45.9
Operatives, except transport	43	21 440	221	535	1 596	1 416	1 360	4 786	7 192	2 468	1 372	494	46.1
Assemblers	4	3 663	–	60	278	313	297	903	1 273	366	159	14	44.8
Bottling and canning operatives	–	66	–	–	15	11	5	12	23	–	–	–	...
Checkers, examiners, and inspectors; manufacturing	–	1 477	4	6	45	84	74	290	641	210	108	15	48.7
Dressmakers and seamstresses, except factory	–	620	–	20	18	27	24	66	225	114	40	86	51.9
Laundry and dry cleaning operatives, including ironers	–	1 480	16	78	96	42	92	378	473	168	85	52	45.8
Graders and sorters, manufacturing	–	88	–	–	11	–	6	11	19	13	23	5	...
Packers and wrappers, except produce	9	2 597	51	96	196	116	189	580	869	301	151	48	45.8
Sewers and stitchers	–	1 579	15	41	146	129	81	316	380	182	224	65	46.6
Textile operatives	–	311	–	6	24	16	6	41	100	59	47	12	51.3
Other specified operatives	30	4 336	69	112	428	298	289	936	1 391	428	285	100	45.3
Miscellaneous and not specified operatives	–	5 223	66	116	339	380	297	1 253	1 798	627	250	97	45.9
Manufacturing	–	4 542	28	77	260	327	245	1 118	1 632	558	212	85	46.3
Durable goods	–	2 428	11	22	136	195	121	609	935	259	108	32	46.3
Machinery, including electrical	–	920	6	–	43	66	53	242	406	83	21	–	46.2
Other durable goods	–	1 508	5	22	93	129	68	367	529	176	87	32	46.3
Nondurable goods, including not specified manufacturing	–	2 114	17	55	124	132	124	509	697	299	104	53	46.4
Food and kindred products	–	504	6	10	21	30	28	100	151	106	26	26	48.8
Apparel and other fabricated textile products	–	106	–	–	8	16	6	19	43	10	4	–	45.9
Nonmanufacturing industries	–	681	38	39	79	53	52	135	166	69	38	12	40.9
Transport equipment operatives	4	1 185	–	5	29	112	124	389	345	113	38	30	43.3
Laborers, except farm	15	1 668	133	133	110	138	150	342	394	163	87	18	40.0
Farmers and farm managers	–	130	–	–	9	19	12	13	30	9	31	7	49.0
Farm laborers and farm foremen	21	369	23	13	35	41	28	68	92	31	16	22	41.5
Paid farm laborers and farm foremen	17	265	10	13	35	32	19	38	69	20	11	18	41.2
Unpaid family workers	4	104	13	–	–	9	9	30	23	11	5	4	42.0
Service workers, except private household[1]	225	36 086	1 317	2 364	4 170	2 235	2 241	7 220	9 398	3 604	2 106	1 431	42.9
Cleaning service workers	12	5 751	55	81	131	162	250	979	2 088	954	646	405	50.8
Chambermaids and maids	–	1 245	10	19	41	37	39	274	445	174	140	66	49.6
Food service workers	55	14 512	858	1 076	1 203	775	825	3 225	3 859	1 457	816	418	42.8
Cooks, except private household	11	2 909	86	95	88	85	102	676	935	442	264	136	48.4
Waiters and food counter workers	18	8 400	559	796	917	583	598	2 010	1 899	550	331	157	38.7
Health service workers	11	7 962	229	779	1 565	656	648	1 617	1 536	511	278	143	35.6
Nursing aides, orderlies, and attendants	11	5 009	145	486	829	378	421	1 074	1 005	398	196	77	37.3
Practical nurses	–	1 649	5	89	455	204	126	313	313	54	38	52	32.8
Personal service workers	55	4 670	111	255	951	413	306	737	1 134	344	182	237	39.1
Hairdressers and cosmetologists	–	2 588	31	163	638	296	215	360	564	121	91	109	33.9
Private household workers	331	3 473	353	97	165	152	121	335	729	436	479	606	52.0
Private household workers, living in	–	329	–	5	21	27	11	46	56	32	47	84	54.7
Private household workers, living out	331	3 144	353	92	144	125	110	289	673	404	432	522	51.8

[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
BUFFALO SMSA—Continued													
Negro													
Male employed	**108**	**18 724**	**331**	**647**	**1 983**	**2 125**	**2 086**	**4 857**	**3 897**	**1 456**	**938**	**404**	**39.5**
Professional, technical, and kindred workers	6	901	6	28	158	153	155	242	91	40	11	17	33.4
Engineers	–	47	–	–	–	–	8	22	17	–	–	–	...
Lawyers and judges	–	14	–	–	3	–	6	5	–	–	–	–	...
Life and physical scientists	–	16	–	–	–	–	–	12	–	4	–	–	...
Physicians, dentists, and related practitioners	–	64	–	–	9	10	5	15	7	8	6	4	...
Health workers, except practitioners	–	83	–	–	10	5	22	25	21	–	–	–	...
Social and recreation workers	–	73	–	5	22	11	11	24	–	–	–	–	...
Teachers	–	172	–	18	23	40	21	43	19	4	–	4	31.2
Technicians, except health	–	73	–	–	12	19	15	27	–	–	–	–	...
Writers, artists, and entertainers	–	77	6	5	19	11	11	17	3	5	–	–	...
Other professional, technical, and kindred workers	6	282	–	–	60	57	56	52	24	19	5	9	32.1
Managers and administrators, except farm	6	423	4	17	10	34	61	150	105	21	5	16	40.7
Salaried	6	291	4	17	10	34	47	102	63	3	5	6	38.3
Manufacturing	–	19	–	–	–	5	4	5	5	–	–	–	...
Retail trade	–	79	–	11	6	18	8	9	21	–	–	6	...
All other industries	6	193	4	6	4	11	35	88	37	3	5	–	39.1
Self-employed	–	132	–	–	–	–	14	48	42	18	–	10	46.0
Retail trade	–	95	–	–	–	–	6	32	32	15	–	10	...
All other industries	–	37	–	–	–	–	8	16	10	3	–	–	...
Sales workers	15	305	21	12	42	82	44	52	21	11	6	14	29.7
Manufacturing and wholesale trade	15	75	–	12	16	15	5	14	8	5	–	–	...
Retail trade	–	120	16	–	12	35	20	20	5	6	6	–	29.6
All other industries	–	110	5	–	14	32	19	18	8	–	–	14	31.1
Clerical and kindred workers	6	990	28	56	189	146	85	210	158	75	34	9	34.5
Bookkeepers and billing clerks	–	22	–	–	–	6	–	6	4	6	–	–	...
Mail handlers and postal clerks	–	210	–	12	14	26	22	58	68	5	5	–	40.3
Other clerical and kindred workers	6	758	28	44	175	114	63	146	86	64	29	9	31.4
Craftsmen and kindred workers	6	3 272	6	63	306	340	402	956	789	205	181	24	40.4
Carpenters	–	69	–	9	4	4	8	26	13	–	5	–	...
Construction craftsmen, except carpenters	6	459	–	5	24	41	47	150	135	26	26	5	42.5
Automobile mechanics, including body repairmen	–	333	–	2	31	22	62	98	88	25	5	–	40.1
Mechanics and repairmen, except auto	–	290	–	4	37	39	24	65	77	24	20	–	41.3
Machinists	–	70	–	–	22	10	14	12	12	–	–	–	...
Metal craftsmen, except mechanics and machinists	–	623	–	11	77	51	61	160	158	69	31	5	42.0
Foremen, n.e.c.	–	261	–	–	8	18	38	92	66	11	28	–	42.2
Other craftsmen and kindred workers	–	1 167	6	32	103	155	148	353	240	50	66	14	39.0
Operatives, except transport	13	6 061	61	167	621	718	669	1 685	1 371	466	217	86	39.7
Assemblers	–	676	–	16	107	131	71	158	144	37	6	6	35.8
Garage workers and gas station attendants	–	173	39	–	5	–	–	55	42	13	15	4	42.7
Laundry and drycleaning operatives, including ironers	–	112	–	5	16	–	10	24	37	20	–	–	45.3
Precision machine operatives	–	331	–	13	19	36	32	97	87	23	15	9	41.8
Other operatives, except transport	13	4 769	22	133	474	551	556	1 351	1 061	373	181	67	39.8
Durable goods, manufacturing	4	3 505	–	76	299	453	399	1 026	816	268	128	40	40.1
Nondurable goods, including not specified manufacturing	9	818	15	38	110	84	83	212	151	76	37	12	38.7
Nonmanufacturing industries	–	446	7	19	65	14	74	113	94	29	16	15	38.9
Transport equipment operatives	–	1 340	10	38	95	168	133	390	334	80	75	17	40.8
Truck drivers	–	494	–	–	34	54	61	141	168	23	13	–	42.0
Other transport equipment operatives	–	846	10	38	61	114	72	249	166	57	62	17	40.1
Laborers, except farm	34	2 895	68	105	346	287	318	658	593	279	183	58	39.9
Construction laborers	5	335	–	–	–	20	34	74	97	61	38	11	49.1
Freight, stock, and material handlers	14	739	40	50	104	62	59	201	111	48	49	15	37.7
Other laborers, except farm	15	1 821	28	55	242	205	225	383	385	170	96	32	39.1
Manufacturing industries	–	1 374	–	24	211	167	170	276	306	146	58	16	39.2
Farmers and farm managers	–	33	–	–	–	–	–	15	10	3	5	–	...
Farm laborers and farm foremen	–	52	–	4	7	6	5	18	4	5	3	–	...
Service workers, except private household[1]	22	2 436	127	157	209	191	214	481	413	271	210	163	41.7
Cleaning service workers	–	1 213	28	83	115	116	77	197	202	172	147	76	44.5
Food service workers	6	412	74	32	12	18	54	56	53	44	21	48	37.9
Health service workers	–	206	20	–	16	23	13	72	47	7	8	–	39.3
Personal service workers	4	184	5	33	–	–	31	40	44	11	5	15	40.8
Protective service workers	–	200	–	5	34	6	26	57	31	11	13	17	40.1
Private household workers	–	16	–	–	–	–	–	–	8	–	8	–	...
Female employed	**35**	**14 239**	**274**	**626**	**1 953**	**1 665**	**1 707**	**3 737**	**2 793**	**845**	**427**	**212**	**37.4**
Professional, technical, and kindred workers	–	1 634	46	33	250	206	314	427	261	56	22	19	34.5
Registered nurses	–	241	–	–	22	33	61	58	54	7	6	–	35.8
Health workers, except nurses	–	257	–	–	45	7	64	92	42	7	–	–	36.4
Teachers, elementary and secondary schools	–	487	15	18	66	55	108	116	83	21	5	–	34.1
Technicians, except health	–	42	–	–	7	14	10	11	–	–	–	–	...
Other professional, technical, and kindred workers	–	607	31	15	110	97	71	150	82	21	11	19	33.6
Managers and administrators, except farm	–	228	–	10	2	32	20	81	55	14	10	4	41.2
Salaried	–	176	–	10	2	26	20	59	36	14	5	4	40.1
Self-employed	–	52	–	–	–	6	–	22	19	–	5	–	...
Sales workers	–	474	25	27	80	53	65	103	69	41	7	4	34.0
Retail trade	–	433	25	22	77	53	47	92	69	37	7	4	34.2
Clerical and kindred workers	11	2 659	95	294	659	437	336	506	255	51	17	9	28.2
Bookkeepers and cashiers	–	306	10	67	55	29	49	55	31	6	4	–	28.6
Office machine operators	–	124	5	23	19	33	31	5	8	–	–	–	27.3
Secretaries, stenographers, and typists	–	708	36	40	253	149	50	101	59	16	–	4	25.8
Other clerical and kindred workers	11	1 521	44	164	332	226	206	345	157	29	13	5	29.9
Craftsmen and kindred workers	–	246	5	5	15	25	42	79	49	11	15	–	38.9
Operatives, except transport	6	2 867	23	29	287	407	299	975	639	119	72	17	39.0
Sewers and stitchers	–	297	7	6	49	81	26	88	29	–	11	–	31.1
Laundry and drycleaning operatives, including ironers	–	459	–	–	28	20	23	185	174	21	5	3	43.6
Other operatives, except transport	6	2 111	16	23	210	306	250	702	436	98	56	14	38.6
Durable goods, manufacturing	–	1 146	6	5	78	160	147	416	256	39	39	–	39.3
Nondurable goods, including not specified manufacturing	6	575	10	16	67	109	71	154	117	12	8	11	35.9
Nonmanufacturing industries	–	390	–	2	65	37	32	132	63	47	9	3	39.5
Transport equipment operatives	–	41	–	–	7	–	–	11	12	5	–	6	...
Laborers, except farm	5	169	–	–	18	–	7	57	70	6	11	–	45.4
Farmers and farm managers	–	25	–	–	4	10	7	4	–	–	–	–	...
Farm laborers and farm foremen	–	78	–	–	19	11	4	16	28	–	–	–	...
Service workers, except private household[1]	13	4 795	67	222	571	431	548	1 316	1 019	402	153	66	39.2
Cleaning service workers	–	918	–	14	33	38	94	197	305	120	88	29	47.7
Food service workers	6	1 001	33	68	94	64	77	315	240	71	35	4	40.2
Health service workers	7	2 007	18	134	325	244	305	537	301	111	20	12	34.6
Practical nurses	–	273	5	5	38	42	38	98	29	9	5	4	35.9
Personal service workers	–	348	16	–	35	13	35	113	88	42	–	6	41.6
Protective service workers	–	69	–	–	–	–	–	31	10	28	–	–	...
Private household workers	–	1 023	13	6	41	53	65	162	336	140	120	87	50.1

[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
NEW YORK SMSA													
Total													
Male employed	**15 606**	**2 808 504**	**44 067**	**71 254**	**257 974**	**326 653**	**293 932**	**615 085**	**598 257**	**257 468**	**198 691**	**145 123**	**41.7**
Professional, technical, and kindred workers	**475**	**472 624**	**1 074**	**3 306**	**50 724**	**76 203**	**61 427**	**113 051**	**84 275**	**32 321**	**27 403**	**22 840**	**38.9**
Accountants	5	49 149	42	205	5 615	8 363	5 334	9 958	9 658	4 147	3 245	2 582	40.0
Architects	–	4 781	4	5	208	635	796	1 372	867	267	288	339	40.4
Computer specialists	–	15 078	22	191	2 618	4 523	3 130	3 146	1 169	191	52	36	30.3
Engineers	–	53 975	6	74	3 660	6 998	7 441	15 937	12 336	3 196	2 651	1 676	40.5
Aeronautical and astronautical	–	4 097	–	–	385	497	515	1 305	1 071	221	60	43	40.0
Civil	–	9 048	–	10	412	1 159	1 293	2 750	1 613	608	720	483	41.0
Electrical and electronic	–	14 926	–	33	1 207	2 209	2 280	4 839	2 918	616	617	207	38.6
Mechanical	–	6 770	6	15	433	644	852	1 822	2 046	431	342	179	42.9
Other engineers	–	19 134	–	16	1 223	2 489	2 501	5 221	4 688	1 320	912	764	41.4
Lawyers and judges	–	31 843	–	7	615	4 419	3 786	7 560	5 020	2 907	4 019	3 510	44.4
Life and physical scientists	–	6 610	–	17	486	1 115	1 152	1 891	1 158	390	225	176	37.8
Chemists	–	4 291	–	12	357	740	730	1 128	747	279	138	160	37.7
Physicians, dentists, and related practitioners	11	43 756	5	57	630	4 700	5 089	10 074	8 641	4 661	4 564	5 335	46.5
Dentists	5	8 804	–	2	36	625	1 002	1 746	2 302	960	877	1 254	49.3
Pharmacists	–	6 956	5	34	375	515	565	1 370	1 195	762	1 210	925	50.1
Physicians, medical and osteopathic	6	25 178	–	6	188	3 270	3 313	6 243	4 359	2 615	2 290	2 894	44.3
Other related practitioners	–	2 818	–	15	31	290	209	715	785	324	187	262	46.9
Health technologists and technicians	4	5 795	37	94	961	1 080	1 025	1 330	778	266	138	86	33.5
Religious workers	43	8 319	48	122	863	779	793	1 642	1 766	874	702	730	44.5
Social scientists	–	8 789	–	5	669	1 991	1 556	2 255	1 359	371	327	256	35.8
Social and recreation workers	95	11 743	114	224	1 793	2 199	1 583	2 577	1 838	670	477	268	34.9
Teachers	95	72 901	246	334	14 036	14 376	9 271	16 484	10 118	3 559	2 885	1 592	34.0
College and university	–	15 908	17	78	1 295	2 562	2 489	4 224	3 005	942	802	494	38.6
Elementary and prekindergarten	31	16 984	69	88	5 443	3 771	1 736	3 173	1 540	545	423	196	28.8
Secondary	44	35 013	57	51	6 678	7 422	4 520	8 097	4 679	1 645	1 364	500	33.6
Engineering and science technicians	–	28 221	108	558	4 695	5 108	3 507	6 185	4 797	1 648	1 079	536	35.2
Draftsmen and surveyors	–	13 829	58	376	2 429	2 375	1 746	2 995	2 104	757	622	367	34.8
Electrical and electronic engineering technicians	–	7 960	9	70	1 211	1 591	1 066	1 810	1 507	428	205	63	35.2
Technicians, except health, and engineering and science	8	5 990	13	48	530	797	832	1 776	1 532	283	133	46	39.4
Airplane pilots	–	1 811	–	–	73	252	236	576	600	62	12	–	41.0
Writers, artists, and entertainers	75	62 948	245	626	5 205	8 980	8 290	16 475	11 974	4 656	3 439	3 058	39.9
Other professional, technical, and kindred workers	139	62 726	184	739	8 140	10 140	7 842	14 389	11 264	4 235	3 179	2 614	38.0
Managers and administrators, except farm	**209**	**352 815**	**354**	**1 202**	**14 503**	**32 071**	**34 595**	**87 761**	**93 735**	**40 442**	**28 083**	**20 069**	**45.6**
Buyers, purchasing agents, and sales managers	11	47 655	86	209	2 566	4 817	4 777	11 615	12 646	5 403	3 262	2 274	44.8
School administrators	4	7 578	5	13	113	400	629	2 482	2 005	987	688	256	45.7
Specified managers and administrators, public administration	–	15 387	–	45	338	804	934	3 400	5 343	2 403	1 542	578	49.1
Other specified managers and administrators	102	75 456	143	300	4 471	8 559	8 543	17 650	17 267	8 128	6 105	4 290	43.9
Managers and administrators, n.e.c., salaried	75	179 333	108	591	6 552	16 103	17 928	46 957	48 872	19 473	13 222	9 527	45.3
Manufacturing	25	50 487	20	53	1 111	3 617	4 279	13 298	15 886	5 824	3 623	2 776	46.8
Wholesale and retail trade	27	50 494	44	383	2 588	4 736	4 869	11 959	13 447	5 632	3 928	2 908	45.5
Transportation, communications, and other public utilities	–	17 879	–	27	516	1 608	1 894	5 108	5 014	1 687	1 400	625	44.6
All other industries	23	60 473	44	128	2 337	6 142	6 886	16 592	14 525	6 330	4 271	3 218	43.9
Managers and administrators, n.e.c., self-employed	17	27 406	12	44	463	1 388	1 784	5 657	7 602	4 048	3 264	3 144	50.7
Construction	–	2 895	6	18	65	194	261	775	770	275	313	218	46.7
Manufacturing	6	3 505	–	8	28	113	203	669	1 039	547	449	449	52.0
Wholesale and retail trade	–	13 123	–	14	237	649	707	2 489	3 574	2 182	1 698	1 573	51.9
All other industries	11	7 883	6	4	133	432	613	1 724	2 219	1 044	804	904	49.6
Sales workers	**4 866**	**250 508**	**5 692**	**7 175**	**20 390**	**26 897**	**23 108**	**49 514**	**52 935**	**24 912**	**19 906**	**19 979**	**43.5**
Insurance agents, brokers, and underwriters	33	21 208	27	104	1 350	2 553	2 193	5 757	4 950	1 731	1 419	1 124	42.6
Real estate agents and brokers	11	8 669	12	25	294	616	645	1 664	2 086	1 088	861	1 378	50.2
Sales representatives, manufacturing industries	24	35 065	119	113	1 964	3 956	3 467	7 888	8 364	3 691	2 775	2 728	45.0
Sales representatives, wholesale trade	35	42 017	93	237	2 367	4 322	3 628	8 547	10 395	5 076	3 753	3 599	46.7
Sales clerks, retail trade	576	71 255	4 104	5 031	7 844	5 727	5 060	10 539	13 215	7 432	6 220	6 083	42.5
Salesmen, retail trade	30	17 226	246	495	1 534	1 607	1 338	3 589	4 233	1 613	1 289	1 282	44.5
Salesmen of services and construction	36	11 816	106	147	834	1 619	1 251	2 617	2 509	1 090	872	771	42.5
Other sales workers	4 121	43 252	985	1 023	4 203	6 497	5 526	8 913	7 183	3 191	2 717	3 014	38.8
Clerical and kindred workers	**2 223**	**357 274**	**10 344**	**20 553**	**54 523**	**42 223**	**30 850**	**59 294**	**65 334**	**30 781**	**23 671**	**19 701**	**38.4**
Bank tellers and cashiers	178	17 160	1 519	2 101	2 982	1 917	1 205	1 929	2 341	1 273	1 015	878	30.3
Bookkeepers and billing clerks	79	32 159	257	964	5 135	4 049	2 631	5 355	5 291	3 091	2 741	2 645	40.7
Mail handlers and postal clerks	143	54 198	944	2 476	5 929	4 687	3 563	10 586	15 388	5 976	3 199	1 450	44.0
Other clerical and kindred workers	1 823	253 757	7 624	15 012	40 477	31 570	23 451	41 424	42 314	20 441	16 716	14 728	37.1
Craftsmen and kindred workers	**557**	**481 701**	**2 312**	**8 715**	**40 824**	**54 139**	**51 394**	**111 375**	**111 827**	**45 447**	**35 765**	**19 903**	**42.5**
Apparel craftsmen and upholsterers	5	14 421	20	87	434	1 018	927	2 464	3 685	2 172	1 853	1 761	51.1
Bakers	6	8 511	75	90	389	592	696	2 121	2 223	1 283	730	312	46.3
Cabinetmakers	5	3 925	3	38	229	343	422	900	925	395	426	244	45.3
Construction craftsmen	67	113 888	404	1 713	8 224	12 344	12 355	27 718	25 881	10 680	9 763	4 806	42.9
Carpenters	30	31 190	137	387	1 999	3 111	3 190	8 154	7 888	2 732	2 329	1 263	43.3
Excavating, grading, and road machine operators	–	4 939	23	43	254	486	601	1 382	1 356	406	304	84	42.7
Electricians	10	22 395	47	544	2 851	3 424	2 304	4 686	4 032	1 958	1 759	790	39.3
Masons and tile setters	4	8 364	13	64	325	581	1 125	2 591	1 940	685	739	301	43.0
Painters, construction and maintenance, and paperhangers	5	18 714	119	212	919	1 737	1 935	4 255	4 257	2 190	1 972	1 118	45.4
Plasterers and cement finishers	–	4 047	5	43	147	293	401	1 203	1 003	419	361	172	44.4
Plumbers and pipe fitters	–	17 833	33	284	1 309	1 874	2 009	3 934	3 937	1 757	1 833	863	43.7
Other construction craftsmen	18	6 406	27	136	420	838	790	1 513	1 468	533	466	215	41.6
Foremen, n.e.c.	9	64 325	47	235	2 198	5 090	6 393	16 627	19 359	7 551	4 691	2 134	45.8
Manufacturing	5	29 994	32	139	966	2 269	3 151	7 429	9 421	3 460	2 108	1 019	46.1
Nonmanufacturing industries	4	34 331	15	96	1 232	2 821	3 242	9 198	9 938	4 091	2 583	1 115	45.6
Linemen and servicemen, telephone and power	16	27 267	120	1 695	6 700	4 889	2 630	6 064	3 363	855	823	128	30.4
Locomotive engineers and firemen	–	1 278	–	–	45	148	140	187	459	157	120	22	47.6
Mechanics and repairmen	90	108 179	818	2 525	11 426	15 072	13 618	24 961	23 795	8 180	5 486	2 298	39.3
Air conditioning, heating, and refrigeration	–	7 976	32	154	755	1 112	1 123	1 986	1 663	641	384	126	39.1
Aircraft	–	8 013	7	47	696	1 337	1 177	1 910	2 097	449	237	56	38.9
Automobile, including body	32	38 884	427	1 310	4 828	5 623	5 232	8 795	7 557	2 591	1 782	739	37.3
Radio and television	18	7 116	65	162	646	911	874	1 957	1 587	502	265	147	39.6
Other mechanics and repairmen	40	46 190	287	852	4 501	6 089	5 212	10 313	10 891	3 997	2 818	1 230	41.0
Metal craftsmen, except mechanics	35	28 699	73	394	1 992	2 914	2 709	6 238	7 933	2 954	2 370	1 122	45.0
Machinists and job and die setters	–	12 937	31	196	903	1 234	1 195	2 739	3 641	1 403	1 080	515	45.5
Sheetmetal workers and tinsmiths	21	5 221	4	101	467	654	646	1 207	1 100	465	414	163	41.1
Tool and die makers	9	5 670	26	58	354	517	419	1 305	1 732	550	433	276	45.9
Other metal craftsmen	5	4 871	12	39	268	509	449	987	1 460	536	443	168	46.2
Printing craftsmen	26	30 862	225	614	2 713	3 378	3 395	7 664	6 252	3 114	2 198	1 309	41.7
Compositors and typesetters	11	12 837	138	293	1 048	1 252	1 464	3 010	2 417	1 350	1 134	731	42.4
Pressmen and plate printers, printing	9	13 283	79	261	1 356	1 706	1 481	3 307	2 763	1 191	747	392	40.3
Stationary engineers and power station operators	–	6 595	–	38	212	439	522	1 362	1 976	907	724	415	48.7
Other craftsmen and kindred workers	298	73 751	527	1 286	6 262	7 912	7 587	15 069	15 976	7 199	6 581	5 352	43.8

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
NEW YORK SMSA—Continued													
Total—Continued													
Male employed—Continued													
Operatives, except transport	**1 096**	**242 133**	**4 565**	**8 091**	**22 591**	**25 866**	**24 382**	**50 721**	**53 139**	**23 848**	**17 922**	**11 008**	**42.0**
Assemblers	46	14 431	299	485	1 297	1 618	1 599	2 987	3 188	1 407	1 028	523	41.4
Checkers, examiners, and inspectors; manufacturing	18	9 641	28	191	909	927	759	1 872	2 783	1 056	777	339	45.5
Garage workers and gas station attendants	120	8 631	1 364	1 518	1 357	723	558	927	1 034	458	347	345	25.5
Laundry and drycleaning operatives, n.e.c	20	6 546	89	188	386	615	575	1 488	1 651	691	415	448	44.5
Meat cutters and butchers	10	16 184	101	202	867	1 303	1 562	3 400	4 373	2 063	1 561	752	46.5
Mine operatives, n.e.c	–	256	6	–	30	44	24	43	52	23	25	9	40.6
Packers and wrappers, except produce	135	13 952	817	1 054	1 644	1 477	1 574	2 604	2 452	1 063	671	596	36.6
Painters, manufactured articles	–	3 095	20	68	313	427	358	746	708	243	132	80	39.8
Precision machine operatives	7	5 957	32	134	495	546	618	1 097	1 657	634	515	229	45.3
Sawyers	–	766	5	11	65	58	27	175	214	85	87	39	47.0
Stationary firemen	5	3 851	13	26	180	330	379	1 000	876	471	424	152	45.0
Textile operatives	3	4 601	39	93	398	543	501	1 015	1 006	507	275	224	42.2
Welders and flamecutters	–	9 145	18	123	546	1 096	1 158	2 159	2 320	1 004	561	160	42.6
Other metalworking operatives	11	9 000	74	223	960	876	1 008	1 930	2 028	1 055	537	309	42.0
Other specified operatives	571	75 659	705	1 685	6 399	7 641	7 294	16 322	16 518	7 771	6 585	4 739	43.6
Miscellaneous and not specified operatives	150	60 418	955	2 090	6 745	7 642	6 388	12 956	12 279	5 317	3 982	2 064	39.9
Occupation:													
Machine operatives, miscellaneous specified	22	17 640	192	505	1 785	1 932	1 831	3 829	3 844	1 768	1 312	642	41.7
Machine operatives, not specified	11	16 125	113	466	1 741	2 419	2 074	3 772	3 168	1 199	793	380	38.3
Miscellaneous operatives	112	19 369	476	842	2 394	2 418	1 691	3 945	3 803	1 642	1 433	725	39.7
Not specified operatives	5	7 284	174	277	825	873	792	1 410	1 464	708	444	317	40.0
Industry:													
Manufacturing	84	46 536	672	1 330	5 032	5 904	4 982	10 258	9 565	4 172	3 040	1 581	40.2
Durable goods	28	24 722	353	715	2 671	3 163	2 522	5 459	5 386	2 100	1 543	810	40.4
Wood products, including furniture	–	1 645	42	49	187	217	172	355	362	128	85	48	39.4
Primary metal industries	–	2 375	21	48	186	309	252	570	584	276	99	30	41.5
Fabricated metal industries	4	3 694	33	123	363	470	348	985	759	273	231	109	40.2
Machinery, including electrical	–	6 565	90	190	773	782	648	1 321	1 503	592	421	245	41.1
Motor vehicles and equipment	–	558	12	4	67	85	108	139	76	29	29	9	35.2
Transportation equipment, except motor vehicles	–	1 356	5	15	133	201	91	310	333	171	92	5	42.5
Other durable goods	24	8 529	150	286	962	1 099	903	1 779	1 769	631	586	364	39.9
Nondurable goods	53	20 397	305	594	2 184	2 467	2 280	4 463	3 944	1 999	1 430	731	40.3
Food and kindred products	21	3 933	63	45	301	351	448	896	975	436	297	121	43.5
Apparel and other fabricated textile products	15	2 986	80	91	294	281	312	531	480	403	324	190	43.2
Paper and allied products	–	3 816	18	82	403	564	528	1 016	692	298	133	82	38.1
Chemicals and allied products	–	2 288	11	56	266	285	256	535	469	194	196	20	40.0
Other nondurable goods	17	7 374	133	320	920	986	736	1 485	1 328	668	480	318	39.0
Not specified manufacturing industries	3	1 417	14	21	177	274	180	336	235	73	67	40	36.3
Nonmanufacturing industries	66	13 882	283	760	1 713	1 738	1 406	2 698	2 714	1 145	942	483	38.9
Transportation, communications, and other public utilities	5	3 787	10	164	537	593	430	767	812	222	200	52	37.1
Wholesale and retail trade	37	4 450	197	282	430	527	438	745	889	406	349	187	39.7
All other industries	24	5 645	76	314	746	618	538	1 186	1 013	517	393	244	39.5
Transport equipment operatives	**969**	**164 583**	**1 838**	**3 914**	**14 110**	**18 001**	**18 611**	**38 920**	**38 164**	**15 238**	**10 406**	**5 381**	**41.6**
Bus drivers	–	16 623	11	73	668	1 569	2 474	4 762	4 382	1 424	890	370	42.4
Taxicab drivers and chauffeurs	32	33 371	31	536	3 527	2 910	2 753	6 673	7 409	3 941	3 493	2 098	45.3
Truck drivers and deliverymen	654	85 544	1 571	2 604	7 532	10 184	9 840	20 606	19 651	7 454	4 325	1 777	40.4
Other transport equipment operatives	283	29 045	225	701	2 383	3 338	3 544	6 879	6 722	2 419	1 698	1 136	41.3
Laborers, except farm	**2 319**	**144 314**	**9 713**	**9 636**	**14 507**	**13 487**	**13 042**	**29 301**	**29 033**	**12 022**	**8 871**	**4 702**	**39.0**
Construction laborers	69	23 701	265	927	2 456	2 186	2 538	6 092	5 455	2 118	1 250	414	40.7
Freight, stock, and material handlers	856	67 808	7 674	6 224	6 983	6 184	5 593	12 620	13 227	4 803	3 252	1 248	36.0
Other specified laborers	1 181	36 216	1 262	1 884	3 612	3 681	3 298	7 008	6 574	3 428	3 125	2 344	41.2
Miscellaneous and not specified laborers	213	16 589	512	601	1 456	1 436	1 613	3 581	3 777	1 673	1 244	696	42.5
Occupation:													
Miscellaneous laborers	58	5 139	72	128	304	425	608	1 264	1 295	489	401	153	43.2
Not specified laborers	155	11 450	440	473	1 152	1 011	1 005	2 317	2 482	1 184	843	543	42.1
Industry:													
Manufacturing	12	3 435	104	156	461	372	322	611	726	320	233	130	40.0
Durable goods	6	1 841	48	86	208	147	162	325	429	235	138	63	43.3
Wood products, including furniture	6	150	6	–	28	–	15	29	39	22	5	6	44.0
Metal industries	–	613	10	26	74	51	43	88	158	82	69	12	45.9
Machinery, including electrical	–	272	–	16	37	42	22	44	37	46	23	5	39.3
Transportation equipment	–	276	11	12	27	17	23	56	77	27	14	12	43.6
Other durable goods	–	530	21	32	42	37	59	108	118	58	27	28	41.9
Nondurable goods	6	1 460	45	63	229	211	154	253	267	85	89	64	36.1
Food and kindred products	6	389	–	8	33	72	30	79	85	24	45	13	41.5
Not specified manufacturing industries	–	134	11	7	24	14	6	33	30	–	6	3	36.5
Nonmanufacturing industries	201	13 154	408	445	995	1 064	1 291	2 970	3 051	1 353	1 011	566	43.0
Railroads and railway express service	–	835	–	–	51	27	44	160	272	121	130	30	50.0
Transportation, except railroads	4	2 130	15	24	124	184	343	638	434	183	107	78	40.9
Communications, and utilities and sanitary services	12	1 814	19	75	107	105	174	567	485	170	81	31	42.5
Wholesale and retail trade	103	2 359	259	191	203	218	128	411	459	216	150	124	39.4
All other industries	82	6 016	115	155	510	530	602	1 194	1 401	663	543	303	44.2
Farmers and farm managers	**6**	**2 334**	**–**	**20**	**100**	**222**	**200**	**502**	**573**	**273**	**233**	**211**	**47.1**
Farm laborers and farm foremen	**194**	**3 099**	**214**	**233**	**359**	**284**	**235**	**625**	**563**	**205**	**187**	**194**	**38.6**
Paid farm laborers and farm foremen	173	3 037	201	210	347	278	235	617	563	205	187	194	39.0
Unpaid family workers	21	62	13	23	12	6	–	8	–	–	–	–	...
Service workers, except private household[1]	**2 576**	**334 162**	**7 870**	**8 364**	**25 268**	**37 105**	**35 880**	**73 531**	**68 089**	**31 532**	**25 862**	**20 661**	**42.2**
Cleaning service workers	432	81 678	1 241	1 698	4 529	5 680	6 702	16 643	19 738	10 514	8 572	6 361	47.2
Food service workers	959	82 233	4 676	3 359	6 340	7 250	8 329	17 590	16 260	8 016	6 180	4 233	41.3
Cooks, except private household	102	28 502	950	733	1 796	2 457	3 139	6 945	6 216	2 975	2 082	1 209	42.5
Busboys and dishwashers	527	9 168	1 970	886	987	848	701	1 143	1 303	570	471	289	29.4
Health service workers	28	11 248	215	458	1 558	1 624	1 234	2 054	2 174	890	617	424	37.6
Personal service workers	417	39 952	1 110	1 047	2 666	3 548	3 398	7 262	7 803	4 745	4 249	4 124	46.2
Protective service workers	40	90 032	88	856	7 410	15 682	13 099	23 927	16 563	4 808	4 017	3 582	38.3
Firemen, fire protection	–	14 378	5	18	511	2 117	2 830	4 892	3 000	652	317	36	38.5
Guards and watchmen	13	25 866	62	459	1 849	2 577	2 081	4 309	5 486	2 967	3 030	3 046	47.9
Policemen and detectives	27	47 791	21	373	4 944	10 841	8 029	14 161	7 589	1 040	520	273	34.8
Private household workers	**116**	**2 957**	**91**	**45**	**75**	**155**	**208**	**490**	**590**	**447**	**382**	**474**	**52.0**

[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
NEW YORK SMSA—Continued													
Total—Continued													
Female employed	**8 605**	**1 798 596**	**38 216**	**82 492**	**262 339**	**176 371**	**137 127**	**336 189**	**398 211**	**168 408**	**119 231**	**80 012**	**41.0**
Professional, technical, and kindred workers	**633**	**305 275**	**1 226**	**3 248**	**54 910**	**51 154**	**32 521**	**61 933**	**54 380**	**20 893**	**14 843**	**10 167**	**36.5**
Accountants	5	9 903	24	314	1 722	1 034	681	1 802	2 440	948	574	364	41.5
Computer specialists	7	4 925	16	97	1 764	1 504	556	521	306	97	50	14	26.9
Librarians	26	5 256	91	165	542	481	298	1 209	1 303	571	380	216	43.7
Mathematical specialists	–	1 450	8	9	336	211	147	188	265	142	106	38	35.7
Life and physical scientists	–	1 957	–	13	342	432	261	435	280	79	55	60	33.7
Registered nurses, dietitians, and therapists	27	54 338	59	403	9 154	8 918	6 364	11 735	9 704	3 631	2 499	1 871	36.9
Dietitians	7	2 345	18	48	255	328	268	527	474	215	143	69	39.8
Registered nurses	20	48 730	30	323	8 125	7 938	5 745	10 626	8 794	3 247	2 212	1 690	37.1
Health technologists and technicians	5	9 558	38	180	2 197	1 672	1 176	1 907	1 401	601	232	154	32.9
Social scientists	–	2 858	–	13	377	649	440	502	522	162	76	117	34.4
Social and recreation workers	58	16 036	186	260	2 638	2 982	1 588	3 025	2 984	1 139	741	493	36.2
Teachers: College and university	5	7 774	5	99	764	1 259	1 019	2 013	1 479	516	338	282	38.7
Elementary and prekindergarten	145	69 599	268	308	14 949	11 181	6 627	14 799	11 367	4 622	3 938	1 540	36.0
Secondary	51	29 313	87	60	5 270	5 507	3 018	5 607	5 721	2 111	1 279	653	36.3
Other teachers	70	6 554	105	149	618	739	643	1 512	1 308	558	431	491	41.8
Engineering and science technicians	10	3 473	21	84	726	500	293	697	742	213	140	57	36.6
Technicians, except health, and engineering and science	–	458	8	5	89	76	57	67	65	48	23	20	34.5
Writers, artists, and entertainers	68	32 703	135	434	5 738	5 817	4 098	6 381	5 664	1 770	1 357	1 309	35.2
Actors and dancers	40	1 778	11	67	539	358	267	304	157	42	11	22	28.8
Authors, editors, and reporters	5	11 508	11	65	1 834	2 479	1 542	2 124	1 923	581	515	434	34.4
Other professional, technical, and kindred workers	156	49 120	175	655	7 684	8 192	5 255	9 533	8 829	3 685	2 624	2 488	37.7
Managers and administrators, except farm	**52**	**66 734**	**175**	**505**	**6 549**	**6 222**	**4 782**	**13 304**	**18 052**	**7 815**	**5 399**	**3 931**	**46.0**
Buyers, purchasing agents, and sales managers	13	11 246	45	197	2 124	1 200	674	1 973	2 757	1 104	776	396	42.0
Restaurant, cafeteria, and bar managers	4	2 854	3	3	67	147	144	662	1 040	417	212	159	48.9
School administrators	–	3 788	5	7	105	192	276	883	1 154	565	446	155	48.7
Other specified managers and administrators	35	15 456	65	102	1 627	1 624	1 185	3 090	3 949	1 693	1 235	886	45.1
Managers and administrators, n.e.c., salaried	–	29 623	45	180	2 564	2 915	2 299	6 062	8 074	3 403	2 272	1 809	45.9
Wholesale and retail trade	–	6 666	29	84	579	456	432	1 266	1 988	846	507	479	47.4
Managers and administrators, n.e.c., self-employed	–	3 767	12	16	62	144	204	634	1 078	633	458	526	52.5
Wholesale and retail trade	–	1 947	8	12	29	76	125	288	511	340	280	278	53.5
Sales workers	**740**	**117 115**	**7 493**	**8 014**	**10 207**	**6 667**	**5 947**	**20 169**	**27 735**	**12 969**	**9 596**	**8 318**	**45.0**
Demonstrators, hucksters, and peddlers	20	1 705	60	25	164	232	295	411	276	101	52	89	36.9
Insurance, real estate agents, and brokers	–	7 220	16	90	697	533	459	1 699	1 784	818	580	544	45.7
Sales clerks, retail trade	343	76 958	6 448	6 427	5 534	2 627	2 920	12 101	19 203	9 346	6 802	5 550	46.3
Salesmen, retail trade	9	2 795	116	128	148	143	133	597	784	369	210	167	46.7
Other sales workers	368	28 437	853	1 344	3 664	3 132	2 140	5 361	5 688	2 335	1 952	1 968	40.8
Clerical and kindred workers	**3 080**	**792 728**	**20 495**	**57 434**	**146 085**	**73 646**	**54 369**	**136 195**	**167 630**	**67 135**	**44 780**	**24 959**	**38.3**
Bank tellers	26	13 934	70	1 472	3 770	1 360	916	2 933	2 447	669	221	76	31.6
Bookkeepers	95	90 189	746	3 283	10 313	5 936	5 044	17 355	25 729	10 574	7 117	4 092	45.9
Cashiers	332	35 227	7 107	4 649	2 986	1 709	1 812	5 601	6 461	2 379	1 565	958	33.2
Counter clerks, except food	43	7 684	328	486	940	567	549	1 475	1 822	788	468	261	41.6
Enumerators and interviewers	–	1 781	61	81	289	176	118	379	427	110	86	54	39.4
File clerks	238	36 251	2 097	4 163	6 227	2 453	1 858	5 016	7 581	3 319	2 264	1 273	37.6
Office machine operators	69	31 747	327	2 081	6 706	4 622	3 336	5 909	5 314	1 837	1 014	601	33.2
Bookkeeping and billing machine operators	–	4 625	46	222	675	556	426	1 028	1 000	387	194	91	38.8
Keypunch operators	46	19 018	186	1 338	4 822	3 288	2 388	3 364	2 456	694	356	126	29.8
Payroll and timekeeping clerks	5	6 458	46	238	902	479	400	1 277	1 736	868	385	127	44.1
Receptionists	77	20 354	452	1 949	4 273	1 751	1 202	3 541	3 990	1 502	944	750	36.6
Secretaries	166	217 206	1 321	13 380	52 653	24 845	15 022	34 823	41 740	16 353	11 063	6 006	35.4
Stenographers	6	7 614	97	870	1 282	551	359	937	1 771	752	645	350	41.9
Telephone operators	82	31 976	932	2 163	4 532	2 878	2 360	6 173	6 091	3 195	2 701	951	40.1
Typists	182	85 141	2 475	9 685	18 764	7 060	5 534	13 030	16 020	6 509	4 051	2 013	34.1
Other clerical and kindred workers	1 759	207 166	4 436	12 934	32 448	19 259	15 859	37 746	46 501	18 280	12 256	7 447	39.9
Craftsmen and kindred workers	**33**	**25 158**	**206**	**457**	**1 989**	**2 002**	**1 925**	**5 609**	**6 491**	**2 992**	**2 077**	**1 410**	**45.6**
Foremen, n.e.c.	–	8 958	14	47	401	573	575	2 062	2 839	1 282	850	315	47.8
Operatives, except transport	**830**	**213 390**	**2 056**	**4 080**	**14 257**	**14 100**	**16 003**	**44 318**	**58 636**	**28 164**	**19 884**	**11 892**	**47.0**
Assemblers	23	13 059	111	324	1 111	1 041	1 087	2 903	3 902	1 362	813	405	44.8
Bottling and canning operatives	5	294	–	6	16	19	29	65	72	35	29	23	46.7
Checkers, examiners, and inspectors; manufacturing	5	7 367	36	108	417	355	459	1 260	2 594	1 034	744	360	49.0
Dressmakers and seamstresses, except factory	5	5 691	9	29	184	227	236	962	1 668	894	783	699	52.2
Laundry and dry cleaning operatives, including ironers	16	10 314	101	176	401	636	767	2 301	2 911	1 494	931	596	47.7
Graders and sorters, manufacturing	–	656	12	10	36	49	67	130	198	86	48	20	46.2
Packers and wrappers, except produce	51	18 933	640	710	1 565	1 376	1 391	4 021	5 167	2 136	1 317	610	44.4
Sewers and stitchers	100	82 749	281	948	3 350	3 954	5 589	16 653	24 579	13 209	9 170	5 016	49.3
Textile operatives	7	3 826	50	68	277	252	229	898	940	511	392	209	46.5
Other specified operatives	574	37 364	410	824	3 936	3 515	3 339	7 443	8 070	3 748	3 293	2 786	43.9
Miscellaneous and not specified operatives	44	33 137	406	877	2 964	2 676	2 810	7 682	8 535	3 655	2 364	1 168	43.9
Manufacturing	31	29 336	315	725	2 526	2 387	2 505	6 943	7 618	3 228	2 106	983	43.9
Durable goods	4	11 918	134	339	1 110	1 182	1 127	2 868	3 037	1 145	694	282	42.2
Machinery, including electrical	–	4 047	59	139	340	371	294	1 004	1 169	371	263	37	43.2
Other durable goods	4	7 871	75	200	770	811	833	1 864	1 868	774	431	245	41.7
Nondurable goods, including not specified manufacturing	27	17 418	181	386	1 416	1 205	1 378	4 075	4 581	2 083	1 412	701	45.1
Food and kindred products	–	1 036	–	5	62	60	83	160	356	100	148	62	49.2
Apparel and other fabricated textile products	9	7 570	81	148	542	498	520	1 736	2 047	1 076	598	324	46.3
Nonmanufacturing industries	13	3 801	91	152	438	289	305	739	917	427	258	185	43.5
Transport equipment operatives	**7**	**5 045**	**49**	**86**	**362**	**477**	**690**	**1 463**	**1 263**	**234**	**204**	**217**	**40.9**
Laborers, except farm	**126**	**8 673**	**524**	**515**	**1 090**	**773**	**568**	**1 557**	**1 768**	**830**	**589**	**459**	**40.6**
Farmers and farm managers	**11**	**548**	**6**	**28**	**77**	**15**	**21**	**123**	**128**	**61**	**56**	**33**	**45.3**
Farm laborers and farm foremen	**23**	**852**	**17**	**77**	**136**	**49**	**48**	**224**	**143**	**75**	**26**	**57**	**39.4**
Paid farm laborers and farm foremen	23	698	7	20	126	44	43	214	109	64	20	51	40.1
Unpaid family workers	–	154	10	57	10	5	5	10	34	11	6	6	25.0
Service workers, except private household[1]	**1 589**	**207 732**	**4 947**	**7 381**	**24 009**	**17 959**	**16 812**	**42 473**	**48 911**	**19 779**	**14 857**	**10 604**	**42.7**
Cleaning service workers	67	28 458	174	237	784	1 177	1 636	5 296	8 173	4 449	3 924	2 608	51.0
Chambermaids and maids	25	7 404	69	70	224	314	410	1 448	2 039	1 222	972	636	50.7
Food service workers	393	54 497	2 235	1 940	3 751	3 389	4 169	12 056	14 947	5 650	4 006	2 354	44.8
Cooks, except private household	41	7 933	81	72	179	333	435	1 445	2 757	1 198	873	560	50.2
Waiters and food counter workers	279	34 490	1 692	1 588	3 236	2 679	2 961	8 227	8 253	2 915	1 861	1 078	41.2
Health service workers	149	55 006	1 260	2 758	7 850	5 652	5 071	11 928	11 704	4 299	2 809	1 675	39.1
Nursing aides, orderlies, and attendants	97	32 427	663	1 324	3 612	3 353	3 277	7 506	7 362	2 770	1 748	812	40.3
Practical nurses	–	9 997	17	270	1 545	1 190	929	2 130	2 124	762	488	542	39.9
Personal service workers	273	37 937	704	1 487	7 870	4 448	2 887	6 242	7 352	2 993	2 061	1 893	37.5
Hairdressers and cosmetologists	13	16 149	226	969	3 343	1 764	1 260	2 696	3 311	1 222	726	632	36.9
Private household workers	**1 481**	**55 346**	**1 022**	**667**	**2 668**	**3 307**	**3 441**	**8 821**	**13 074**	**7 461**	**6 920**	**7 965**	**50.9**
Private household workers, living in	22	10 520	41	163	822	1 048	801	1 827	2 152	1 333	1 057	1 276	47.6
Private household workers, living out	1 459	44 826	981	504	1 846	2 259	2 640	6 994	10 922	6 128	5 863	6 689	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

NEW YORK 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	**2 102**	**358 641**	**4 252**	**9 812**	**36 941**	**50 402**	**49 983**	**89 146**	**69 200**	**22 514**	**16 068**	**10 323**	**38.1**
Professional, technical, and kindred workers	152	28 671	208	494	3 656	4 888	4 901	7 883	4 236	1 103	651	651	35.2
Engineers	–	1 523	6	14	85	192	318	518	275	83	32	–	37.8
Lawyers and judges	–	464	–	–	21	53	33	84	132	52	43	46	48.1
Life and physical scientists	–	424	–	–	22	16	94	248	32	9	–	3	38.2
Physicians, dentists, and related practitioners	–	1 118	–	6	46	70	172	378	233	58	38	117	42.0
Health workers, except practitioners	–	2 969	15	22	310	517	528	986	376	111	46	58	35.9
Social and recreation workers	42	2 869	55	50	312	442	466	873	445	108	57	61	36.3
Teachers	10	3 361	26	47	441	495	603	1 014	570	51	75	39	35.7
Technicians, except health	8	2 689	23	78	413	664	541	548	304	69	23	26	31.5
Writers, artists, and entertainers	–	3 559	50	76	443	662	679	895	441	132	113	68	34.0
Other professional, technical, and kindred workers	92	9 695	33	201	1 563	1 777	1 467	2 339	1 428	430	224	233	34.3
Managers and administrators, except farm	20	15 670	40	131	1 158	2 103	2 349	4 210	3 345	1 157	749	428	39.9
Salaried	20	13 923	40	127	1 087	1 944	2 135	3 778	2 880	985	616	331	39.3
Manufacturing	–	1 300	6	12	67	257	240	403	206	62	39	8	36.7
Retail trade	4	3 123	7	34	371	552	536	805	546	170	82	20	35.8
All other industries	16	9 500	27	81	649	1 135	1 359	2 570	2 128	753	495	303	40.8
Self-employed	–	1 747	–	4	71	159	214	432	465	172	133	97	44.8
Retail trade	–	956	–	–	53	51	116	255	261	103	62	55	45.1
All other industries	–	791	–	4	18	108	98	177	204	69	71	42	44.5
Sales workers	287	13 520	347	618	1 776	2 286	2 263	3 021	1 821	546	482	360	33.8
Manufacturing and wholesale trade	188	2 417	93	120	280	424	435	571	261	153	67	13	33.4
Retail trade	92	8 119	236	425	1 142	1 302	1 398	1 738	1 104	230	309	235	33.4
All other industries	7	2 984	18	73	354	560	430	712	456	163	106	112	35.8
Clerical and kindred workers	400	58 463	1 481	3 633	10 037	9 355	7 224	11 737	8 931	2 853	1 876	1 336	33.3
Bookkeepers and billing clerks	4	3 654	29	147	843	650	503	769	405	146	122	40	31.6
Mail handlers and postal clerks	23	11 288	147	460	1 682	1 652	1 155	2 601	2 210	781	457	143	37.1
Other clerical and kindred workers	373	43 521	1 305	3 026	7 512	7 053	5 566	8 367	6 316	1 926	1 297	1 153	32.6
Craftsmen and kindred workers	96	54 742	208	1 065	4 947	7 810	8 251	14 594	11 569	3 056	2 097	1 145	38.5
Carpenters	7	2 773	4	39	126	277	333	876	768	183	118	49	41.9
Construction craftsmen, except carpenters	–	8 177	10	82	625	1 020	1 151	2 349	1 948	524	300	168	40.1
Automobile mechanics, including body repairmen	–	7 588	27	108	598	1 108	1 374	2 020	1 531	455	252	115	37.9
Mechanics and repairmen, except auto	11	7 184	33	97	658	1 129	1 124	2 037	1 424	333	228	121	37.7
Machinists	–	1 207	–	26	102	252	149	331	197	63	35	52	37.3
Metal craftsmen, except mechanics and machinists	5	1 344	–	16	97	162	228	358	323	103	40	17	39.7
Foremen, n.e.c	–	5 903	6	46	248	680	958	1 739	1 597	301	230	98	40.8
Other craftsmen and kindred workers	73	20 566	128	651	2 493	3 182	2 934	4 884	3 781	1 094	894	525	36.8
Operatives, except transport	216	46 759	417	1 232	4 599	7 030	6 490	11 761	9 405	2 870	1 969	986	38.1
Assemblers	13	2 867	10	89	297	603	515	670	403	129	116	35	34.2
Garage workers and gas station attendants	8	1 770	23	72	194	268	225	385	317	109	92	85	37.7
Laundry and drycleaning operatives, including ironers	6	4 118	42	76	260	477	388	938	1 121	384	292	140	43.7
Precision machine operatives	–	625	6	7	92	81	113	165	128	6	19	8	35.8
Other operatives, except transport	189	37 379	336	988	3 756	5 601	5 249	9 603	7 436	2 242	1 450	718	37.9
Durable goods, manufacturing	58	13 039	82	246	1 301	1 907	1 809	3 395	2 774	855	430	240	38.5
Nondurable goods, including not specified manufacturing	44	12 547	83	366	1 502	1 841	1 937	3 258	2 278	668	399	215	36.7
Nonmanufacturing industries	87	11 793	171	376	953	1 853	1 503	2 950	2 384	719	621	263	38.5
Transport equipment operatives	161	39 555	146	457	2 777	5 140	6 395	11 843	8 495	2 189	1 336	777	39.1
Truck drivers	–	11 916	16	126	795	1 569	1 910	3 801	2 578	628	374	119	39.1
Other transport equipment operatives	161	27 639	130	331	1 982	3 571	4 485	8 042	5 917	1 561	962	658	39.1
Laborers, except farm	331	30 310	667	941	2 737	3 449	3 844	7 387	6 241	2 460	1 726	858	39.8
Construction laborers	13	4 349	13	64	297	426	561	1 320	1 083	357	170	58	41.2
Freight, stock, and material handlers	92	12 098	426	444	1 305	1 513	1 450	2 836	2 486	883	581	174	38.2
Other laborers, except farm	226	13 863	228	433	1 135	1 510	1 833	3 231	2 672	1 220	975	626	40.5
Manufacturing industries	66	1 752	18	47	168	194	261	399	392	154	79	40	39.7
Farmers and farm managers	–	218	–	–	8	26	14	57	44	25	19	25	45.9
Farm laborers and farm foremen	12	799	14	31	101	80	85	189	148	77	48	26	39.7
Service workers, except private household[1]	412	68 573	689	1 198	5 126	8 169	8 087	16 258	14 636	5 965	4 903	3 542	41.8
Cleaning service workers	56	24 286	163	303	1 324	2 069	2 438	5 763	5 828	2 722	2 201	1 475	45.1
Food service workers	71	11 035	281	291	886	1 254	1 280	2 488	2 338	1 009	749	459	41.1
Health service workers	8	5 229	40	150	663	869	700	1 155	1 046	302	185	119	36.7
Personal service workers	96	6 483	98	126	333	576	682	1 295	1 290	752	723	608	46.0
Protective service workers	5	12 047	12	107	940	2 093	1 830	3 340	2 287	524	472	442	38.1
Private household workers	15	1 361	35	12	19	66	80	206	329	213	212	189	53.0
Female employed	**1 607**	**313 024**	**3 862**	**11 583**	**41 806**	**40 321**	**37 530**	**72 656**	**61 623**	**20 940**	**13 557**	**9 146**	**37.9**
Professional, technical, and kindred workers	237	37 966	258	465	3 848	5 712	6 131	10 825	7 051	1 852	1 118	706	37.4
Registered nurses	7	12 240	11	59	791	1 637	2 159	3 899	2 474	642	352	216	38.8
Health workers, except nurses	7	3 648	13	58	394	608	655	1 030	607	151	93	39	35.9
Teachers, elementary and secondary schools	63	6 993	38	35	593	1 044	1 193	2 106	1 290	328	226	140	37.8
Technicians, except health	10	389	15	18	69	59	59	91	64	14	–	–	32.8
Other professional, technical, and kindred workers	150	14 696	181	295	2 001	2 364	2 065	3 699	2 616	717	447	311	36.2
Managers and administrators, except farm	14	5 614	8	28	524	591	650	1 631	1 373	418	231	160	41.2
Salaried	14	5 131	8	28	495	565	623	1 498	1 229	357	203	125	40.7
Self-employed	–	483	–	–	29	26	27	133	144	61	28	35	46.8
Sales workers	84	8 887	370	755	1 235	1 085	975	2 071	1 484	417	279	216	35.1
Retail trade	84	6 907	355	648	946	805	731	1 511	1 187	319	223	182	34.8
Clerical and kindred workers	660	112 560	2 209	8 253	25 147	18 541	14 626	23 252	14 558	3 283	1 651	1 040	30.7
Bookkeepers and cashiers	55	10 046	368	681	1 957	1 553	1 263	2 334	1 342	328	163	57	31.8
Office machine operators	35	7 787	42	376	1 885	1 821	1 391	1 488	640	67	48	29	29.4
Secretaries, stenographers, and typists	54	28 254	469	2 351	8 392	4 985	3 565	4 876	2 648	598	206	164	27.9
Other clerical and kindred workers	516	66 473	1 330	4 845	12 913	10 182	8 407	14 554	9 928	2 290	1 234	790	32.4
Craftsmen and kindred workers	–	4 498	12	58	348	525	492	1 323	985	375	245	135	41.2
Operatives, except transport	127	40 339	260	753	3 513	4 247	4 595	9 907	9 962	3 644	2 286	1 172	41.9
Sewers and stitchers	–	9 495	37	154	514	731	823	2 247	2 882	1 114	681	312	45.8
Laundry and drycleaning operatives, including ironers	8	5 163	24	45	176	425	482	1 266	1 375	708	444	218	46.2
Other operatives, except transport	119	25 681	199	554	2 823	3 091	3 290	6 394	5 705	1 822	1 161	642	39.5
Durable goods, manufacturing	40	8 640	49	190	906	1 127	1 179	2 254	1 985	582	242	126	38.9
Nondurable goods, including not specified manufacturing	66	11 701	56	259	1 263	1 302	1 431	2 936	2 635	892	583	344	40.2
Nonmanufacturing industries	13	5 340	94	105	654	662	680	1 204	1 085	348	336	172	38.9
Transport equipment operatives	–	769	–	7	75	89	107	196	224	10	20	41	40.4
Laborers, except farm	19	2 337	65	56	267	390	253	547	371	169	114	105	37.5
Farmers and farm managers	–	227	6	14	43	4	10	70	34	22	15	9	40.2
Farm laborers and farm foremen	10	379	10	26	74	44	21	115	30	42	13	4	36.3
Service workers, except private household[1]	370	64 167	563	954	5 277	6 851	7 139	16 192	15 810	5 769	3 622	1 990	42.0
Cleaning service workers	27	11 282	26	39	313	576	759	2 567	3 635	1 668	1 136	563	48.7
Food service workers	40	8 089	150	126	654	836	893	2 030	1 955	749	476	220	41.8
Health service workers	25	26 909	208	471	2 499	3 411	3 429	7 311	6 129	2 000	1 003	448	39.7
Practical nurses	–	5 165	13	74	438	678	585	1 551	1 271	317	130	108	40.1
Personal service workers	102	7 704	49	121	580	659	811	1 831	2 131	753	430	339	43.9
Protective service workers	7	1 375	6	3	56	159	247	563	263	30	34	14	38.8
Private household workers	86	35 281	101	214	1 455	2 242	2 531	6 527	9 741	4 939	3 963	3 568	49.7

[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

NEW YORK SMSA—Continued

Persons of Puerto Rican Birth or Parentage

	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	**878**	**153 405**	**2 276**	**5 335**	**22 719**	**26 880**	**24 665**	**38 053**	**22 075**	**6 425**	**3 447**	**1 530**	**34.0**
Professional, technical, and kindred workers	26	6 086	62	128	1 153	1 241	991	1 446	718	167	104	76	32.3
Engineers	–	283	–	–	21	47	51	105	38	14	7	–	37.1
Lawyers and judges	–	97	–	–	9	16	8	27	24	7	6	–	...
Life and physical scientists	–	78	–	–	18	19	17	5	14	5	–	–	...
Physicians, dentists, and related practitioners	–	147	–	–	5	31	17	46	41	7	–	–	39.5
Health workers, except practitioners	–	646	–	8	81	113	146	187	72	11	22	6	34.1
Social and recreation workers	8	600	–	25	137	121	93	166	51	7	–	–	30.9
Teachers	7	548	18	6	106	94	83	138	64	16	13	10	33.0
Technicians, except health	–	844	19	16	190	172	140	180	107	8	4	8	30.9
Writers, artists, and entertainers	6	1 175	7	35	153	281	137	324	163	50	20	5	34.1
Other professional, technical, and kindred workers	5	1 668	18	38	433	347	299	268	144	42	32	47	30.0
Managers and administrators, except farm	20	6 931	6	109	678	1 122	1 063	2 092	1 168	427	177	89	37.3
Salaried	20	5 634	6	103	614	995	899	1 682	861	260	151	63	36.2
Manufacturing	–	576	–	13	48	102	60	231	92	20	4	6	37.8
Retail trade	–	1 768	–	58	223	362	371	448	201	59	40	6	33.2
All other industries	20	3 290	6	32	343	531	468	1 003	568	181	107	51	37.6
Self-employed	–	1 297	–	6	64	127	164	410	307	167	26	26	42.0
Retail trade	–	1 027	–	6	45	70	111	337	268	152	19	19	43.4
All other industries	–	270	–	–	19	57	53	73	39	15	7	7	35.8
Sales workers	94	7 643	164	320	1 327	1 468	1 435	1 696	775	220	162	76	31.9
Manufacturing and wholesale trade	30	1 217	15	41	261	203	311	243	125	16	2	–	31.4
Retail trade	64	5 498	149	266	839	1 064	981	1 218	577	192	146	66	32.2
All other industries	–	928	–	13	227	201	143	235	73	12	14	10	30.8
Clerical and kindred workers	202	21 021	581	1 542	4 838	3 897	3 058	4 044	2 183	460	246	172	29.6
Bookkeepers and billing clerks	–	1 050	8	30	342	212	117	239	68	–	19	15	28.4
Mail handlers and postal clerks	29	3 330	58	207	716	582	443	699	462	100	34	29	31.2
Other clerical and kindred workers	173	16 641	515	1 305	3 780	3 103	2 498	3 106	1 653	360	193	128	29.4
Craftsmen and kindred workers	38	23 816	161	614	2 868	4 784	4 451	6 248	3 155	902	408	225	33.9
Carpenters	–	921	–	20	92	145	104	221	246	65	12	16	39.5
Construction craftsmen, except carpenters	6	3 014	33	103	311	627	507	745	437	134	87	30	34.3
Automobile mechanics, including body repairmen	–	2 573	7	45	352	531	486	679	361	68	44	–	33.6
Mechanics and repairmen, except auto	8	3 558	11	40	361	877	593	1 122	375	122	36	21	34.1
Machinists	–	636	–	7	60	122	124	222	70	31	–	–	35.2
Metal craftsmen, except mechanics and machinists	–	772	–	7	69	173	152	217	122	25	7	–	34.5
Foremen, n.e.c.	–	3 703	9	17	299	603	897	1 185	501	123	29	40	35.2
Other craftsmen and kindred workers	24	8 639	101	375	1 324	1 706	1 588	1 857	1 043	334	193	118	32.6
Operatives, except transport	102	34 173	407	1 058	5 372	6 065	5 362	8 476	5 175	1 341	711	206	33.9
Assemblers	–	1 989	8	66	269	412	375	457	264	107	31	–	33.2
Garage workers and gas station attendants	–	568	38	44	130	105	85	84	63	6	13	–	28.4
Laundry and drycleaning operatives, including ironers	7	1 807	21	67	292	282	255	485	291	66	33	15	34.7
Precision machine operatives	–	430	–	–	41	44	121	111	98	15	–	–	35.8
Other operatives, except transport	95	29 379	340	881	4 640	5 222	4 526	7 339	4 459	1 147	634	191	34.0
Durable goods, manufacturing	44	10 804	78	295	1 712	1 958	1 485	2 925	1 611	401	278	61	34.6
Nondurable goods, including not specified manufacturing	37	12 765	95	367	2 092	2 344	2 237	3 109	1 774	474	211	62	33.3
Nonmanufacturing industries	14	5 810	167	219	836	920	804	1 305	1 074	272	145	68	34.7
Transport equipment operatives	83	11 472	210	299	1 563	2 193	2 317	3 080	1 411	249	120	30	33.2
Truck drivers	–	3 004	17	42	416	585	652	889	312	63	24	4	33.4
Other transport equipment operatives	83	8 468	193	257	1 147	1 608	1 665	2 191	1 099	186	96	26	33.1
Laborers, except farm	102	9 303	332	641	1 395	1 653	1 302	1 982	1 275	426	180	117	32.4
Construction laborers	9	804	8	58	136	137	138	108	146	24	44	5	32.3
Freight, stock, and material handlers	11	4 287	231	326	654	790	568	966	497	194	61	–	31.3
Other laborers, except farm	82	4 212	93	257	605	726	596	908	632	208	75	112	33.6
Manufacturing industries	54	1 030	5	40	152	190	199	216	155	34	22	17	33.2
Farmers and farm managers	–	34	–	–	8	–	17	–	9	–	–	–	...
Farm laborers and farm foremen	16	350	19	28	44	88	26	90	48	7	–	–	29.8
Service workers, except private household[1]	195	32 390	334	596	3 447	4 363	4 600	8 837	6 148	2 202	1 329	534	38.2
Cleaning service workers	46	11 579	100	221	1 030	1 296	1 583	3 150	2 490	890	593	226	40.0
Food service workers	21	11 353	132	174	1 058	1 510	1 681	3 275	2 207	735	467	114	38.4
Health service workers	7	1 306	18	14	184	211	214	354	153	109	33	16	35.3
Personal service workers	27	3 899	33	88	451	459	528	1 039	776	267	140	118	38.8
Protective service workers	9	2 801	–	27	489	633	424	687	336	123	56	26	33.0
Private household workers	–	186	–	–	26	6	43	62	10	24	10	5	37.9
Female employed	**662**	**72 464**	**1 911**	**5 021**	**14 625**	**9 394**	**7 928**	**16 961**	**11 100**	**2 929**	**1 663**	**932**	**33.3**
Professional, technical, and kindred workers	56	4 726	63	104	1 092	785	679	1 070	662	90	76	105	32.3
Registered nurses	–	909	5	8	178	129	125	232	138	40	13	41	35.4
Health workers, except nurses	–	660	–	–	176	113	105	131	135	–	–	–	32.0
Teachers, elementary and secondary schools	10	775	13	29	185	174	126	136	93	–	14	5	29.6
Technicians, except health	–	27	–	–	–	14	–	6	7	–	–	–	...
Other professional, technical, and kindred workers	46	2 355	45	67	553	355	323	565	289	50	49	59	32.4
Managers and administrators, except farm	15	1 219	8	37	187	157	158	344	220	77	25	6	36.8
Salaried	15	1 072	8	37	181	152	130	319	173	41	25	6	35.9
Self-employed	–	147	–	–	6	5	28	25	47	36	–	–	47.0
Sales workers	36	3 096	370	355	443	358	325	527	490	110	54	64	30.3
Retail trade	36	2 660	334	308	361	301	267	462	444	65	54	64	30.5
Clerical and kindred workers	217	24 669	928	3 384	8 271	3 477	2 378	3 864	1 628	387	252	100	24.8
Bookkeepers and cashiers	–	2 956	181	381	783	487	287	530	197	60	45	5	26.4
Office machine operators	–	1 239	16	155	385	271	145	182	51	15	7	12	26.2
Secretaries, stenographers, and typists	45	9 027	264	1 496	3 723	1 233	800	987	367	72	38	47	23.7
Other clerical and kindred workers	172	11 447	467	1 352	3 380	1 486	1 146	2 165	1 013	240	162	36	26.8
Craftsmen and kindred workers	7	1 768	6	24	287	205	269	487	350	46	49	45	36.9
Operatives, except transport	179	26 710	221	648	2 866	2 967	2 987	8 000	5 910	1 692	985	434	39.6
Sewers and stitchers	13	11 268	71	202	680	1 032	1 175	3 393	3 005	940	554	216	42.3
Laundry and drycleaning operatives, including ironers	–	1 177	–	26	107	88	97	305	309	122	101	22	43.9
Other operatives, except transport	166	14 265	150	420	2 079	1 847	1 715	4 302	2 596	630	330	196	37.1
Durable goods, manufacturing	56	4 666	38	135	682	717	612	1 441	800	145	73	23	36.0
Nondurable goods, including not specified manufacturing	77	7 984	105	247	1 170	962	892	2 390	1 479	396	224	119	37.6
Nonmanufacturing industries	33	1 615	7	38	227	168	211	471	317	89	33	54	38.3
Transport equipment operatives	–	191	6	5	20	16	32	35	50	6	–	21	39.7
Laborers, except farm	8	724	30	43	103	73	85	265	105	14	–	6	36.1
Farmers and farm managers	9	24	–	–	–	5	–	–	19	–	–	–	...
Farm laborers and farm foremen	–	19	–	6	–	–	7	6	–	–	–	–	...
Service workers, except private household[1]	121	8 749	270	392	1 276	1 299	972	2 194	1 595	441	199	111	35.8
Cleaning service workers	6	1 466	7	15	153	107	144	278	543	108	83	28	45.5
Food service workers	5	1 834	67	61	202	247	251	518	264	151	52	21	36.7
Health service workers	4	2 417	107	246	485	401	205	481	355	82	43	12	29.6
Practical nurses	–	453	–	89	109	62	40	78	53	9	6	7	27.3
Personal service workers	32	2 076	48	38	317	394	264	667	270	47	12	19	34.6
Protective service workers	–	151	8	–	20	20	11	74	18	–	–	–	37.2
Private household workers	14	569	9	23	80	52	36	169	71	66	23	40	40.0

[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
ROCHESTER SMSA													
Total													
Male employed	2 356	218 889	5 971	8 003	24 040	27 698	23 950	45 376	44 683	18 395	12 868	7 905	39.4
Professional, technical, and kindred workers	36	41 855	72	350	4 941	7 954	6 521	9 917	7 260	2 291	1 494	1 055	36.1
Accountants	–	2 324	–	21	298	452	294	467	457	145	114	76	37.1
Architects	–	161	–	–	9	19	13	46	43	15	16	–	43.6
Computer specialists	–	1 348	–	5	198	450	288	285	103	7	7	5	30.4
Engineers	–	10 112	–	16	689	1 753	1 610	2 511	2 337	678	381	137	38.9
Aeronautical and astronautical	–	10	–	–	–	–	–	5	5	–	–	–	...
Civil	–	635	–	–	70	87	100	150	104	41	61	22	39.0
Electrical and electronic	–	2 067	–	5	152	453	387	612	293	96	64	5	35.6
Mechanical	–	1 533	–	–	130	289	228	386	326	95	55	24	38.1
Other engineers	–	5 867	–	11	337	924	895	1 358	1 609	446	201	86	40.6
Lawyers and judges	–	1 189	–	–	6	149	195	344	260	52	69	114	42.1
Life and physical scientists	–	1 511	–	–	101	281	380	365	246	88	39	11	34.9
Chemists	–	1 092	–	–	70	189	233	288	198	73	30	11	36.9
Physicians, dentists, and related practitioners	–	2 359	–	–	34	287	406	593	380	243	184	232	42.6
Dentists	–	540	–	–	3	66	79	135	116	51	17	73	44.0
Pharmacists	–	343	–	–	25	21	65	78	46	50	34	24	42.8
Physicians, medical and osteopathic	–	1 286	–	–	6	191	214	341	175	132	100	127	41.8
Other related practitioners	–	190	–	–	–	9	48	39	43	10	33	8	44.7
Health technologists and technicians	–	313	–	15	108	54	23	43	46	11	–	13	28.1
Religious workers	–	816	5	–	34	117	108	175	159	57	105	56	43.2
Social scientists	–	885	–	–	66	254	179	246	84	31	10	15	33.4
Social and recreation workers	4	612	7	13	143	146	71	98	96	25	9	4	29.9
Teachers	6	6 174	6	27	1 122	1 185	1 059	1 594	772	209	80	120	33.5
College and university	–	1 996	–	22	242	282	344	650	280	92	37	47	36.7
Elementary and prekindergarten	–	1 029	–	–	286	249	187	195	74	24	–	14	29.6
Secondary	–	2 760	6	5	535	596	465	657	360	71	37	28	32.6
Engineering and science technicians	–	5 381	28	131	1 108	1 242	649	1 047	754	248	122	52	31.4
Draftsmen and surveyors	–	1 914	20	70	442	383	219	395	209	104	40	32	31.0
Electrical and electronic engineering technicians	–	836	4	10	154	253	124	141	103	10	25	12	29.9
Technicians, except health, and engineering and science	5	264	6	–	17	58	–	65	82	10	26	–	42.8
Airplane pilots	–	35	–	–	–	–	–	30	–	–	5	–	...
Writers, artists, and entertainers	6	2 891	20	78	390	490	377	705	450	162	110	109	36.3
Other professional, technical, and kindred workers	15	5 515	–	44	618	1 017	869	1 333	991	310	222	111	36.6
Managers and administrators, except farm	25	21 986	31	100	874	2 215	2 635	6 049	5 741	2 142	1 326	873	43.5
Buyers, purchasing agents, and sales managers	–	2 885	6	25	139	394	347	748	727	249	172	78	42.1
School administrators	–	686	–	–	4	40	91	267	187	57	33	7	42.8
Specified managers and administrators, public administration	–	846	–	–	8	32	40	168	296	138	100	64	50.9
Other specified managers and administrators	6	3 714	11	28	289	471	465	923	824	276	275	152	41.4
Managers and administrators, n.e.c., salaried	19	11 970	14	47	401	1 130	1 556	3 536	3 198	1 088	584	416	43.0
Manufacturing	14	4 790	–	–	46	433	577	1 623	1 413	398	211	89	43.3
Wholesale and retail trade	5	3 554	10	39	245	382	505	716	922	356	200	179	43.3
Transportation, communications, and other public utilities	–	656	–	–	16	63	64	206	213	42	26	26	44.0
All other industries	–	2 970	4	8	94	252	410	991	650	292	147	122	42.2
Managers and administrators, n.e.c., self-employed	–	1 885	–	–	33	148	136	407	509	334	162	156	49.3
Construction	–	361	–	–	–	17	21	148	124	25	11	15	44.6
Manufacturing	–	122	–	–	9	13	8	23	31	20	10	8	47.6
Wholesale and retail trade	–	1 028	–	–	24	93	76	180	244	198	112	101	50.8
All other industries	–	374	–	–	–	25	31	56	110	91	29	32	51.8
Sales workers	1 196	13 305	752	625	1 165	1 498	1 182	2 641	2 619	1 160	766	897	40.4
Insurance agents, brokers, and underwriters	4	1 352	–	4	80	179	122	359	363	122	74	49	43.1
Real estate agents and brokers	–	529	–	–	10	15	35	126	157	45	66	75	50.0
Sales representatives, manufacturing industries	–	1 693	4	3	98	247	215	479	337	164	92	54	40.8
Sales representatives, wholesale trade	–	2 440	14	45	146	402	261	531	516	220	171	134	41.6
Sales clerks, retail trade	28	3 385	402	412	582	234	149	340	482	258	181	345	32.1
Salesmen, retail trade	–	1 636	8	50	119	161	163	302	423	198	109	103	45.4
Salesmen of services and construction	11	606	17	16	49	66	48	193	142	50	15	10	40.5
Other sales workers	1 153	1 664	307	95	81	194	189	311	199	103	58	127	34.1
Clerical and kindred workers	73	17 488	514	1 018	2 800	2 244	1 599	2 865	3 303	1 553	1 049	543	37.0
Bank tellers and cashiers	15	406	74	47	95	21	19	27	47	48	4	24	24.3
Bookkeepers and billing clerks	–	1 230	12	38	124	162	85	236	229	168	103	73	43.2
Mail handlers and postal clerks	–	2 118	25	68	325	85	128	356	820	196	85	30	45.9
Other clerical and kindred workers	58	13 734	403	865	2 256	1 976	1 367	2 246	2 207	1 141	857	416	35.0
Craftsmen and kindred workers	62	48 672	251	987	4 708	5 559	5 377	11 114	11 778	4 606	3 103	1 189	41.7
Apparel craftsmen and upholsterers	–	619	–	6	24	49	64	169	120	71	35	81	44.9
Bakers	–	412	5	16	16	31	59	105	90	62	23	5	42.5
Cabinetmakers	–	177	–	–	10	17	12	43	51	24	16	4	46.3
Construction craftsmen	11	10 749	38	205	971	1 201	1 387	2 671	2 489	804	702	281	40.9
Carpenters	–	3 111	16	53	318	283	343	720	795	289	213	81	42.5
Excavating, grading, and road machine operators	4	811	–	10	37	56	136	239	202	74	47	10	42.0
Electricians	–	2 016	5	58	219	340	244	498	438	96	44	54	37.9
Masons and tile setters	–	1 008	–	17	75	66	157	345	230	45	42	31	40.5
Painters, construction and maintenance, and paperhangers	7	1 094	13	27	103	94	91	179	259	109	183	36	46.5
Plasterers and cement finishers	–	151	–	–	8	4	39	61	14	16	3	6	39.0
Plumbers and pipe fitters	–	1 977	–	23	178	264	265	518	427	145	105	52	40.0
Other construction craftsmen	–	581	4	17	33	94	112	111	124	30	45	11	37.7
Foremen, n.e.c	–	9 039	4	17	297	703	847	2 377	2 856	1 101	692	145	46.0
Manufacturing	–	6 429	–	7	148	507	572	1 757	2 107	794	471	66	46.1
Nonmanufacturing industries	–	2 610	4	10	149	196	275	620	749	307	221	79	45.7
Linemen and servicemen, telephone and power	–	1 317	–	21	135	206	263	392	213	54	28	5	35.9
Locomotive engineers and firemen	–	70	–	–	6	5	–	9	27	17	6	–	...
Mechanics and repairmen	14	10 460	98	369	1 315	1 390	1 040	2 268	2 233	950	556	241	39.5
Air conditioning, heating, and refrigeration	–	515	–	–	46	91	59	134	121	29	26	9	39.6
Aircraft	–	61	–	5	19	10	–	22	5	–	–	–	...
Automobile, including body	9	3 481	67	196	592	455	329	737	598	284	149	74	36.4
Radio and television	–	434	10	24	34	69	39	73	104	33	25	23	40.6
Other mechanics and repairmen	5	5 969	21	144	624	765	613	1 302	1 405	604	356	135	41.3
Metal craftsmen, except mechanics	–	7 249	30	170	956	845	756	1 421	1 909	653	403	106	41.1
Machinists and job and die setters	–	2 925	5	56	403	348	308	536	732	339	156	42	41.4
Sheetmetal workers and tinsmiths	–	1 010	7	16	97	127	176	271	199	55	40	22	38.0
Tool and die makers	–	2 126	18	81	345	258	182	323	597	174	128	20	40.5
Other metal craftsmen	–	1 188	–	17	111	112	90	291	381	85	79	22	44.1
Printing craftsmen	13	2 077	19	50	271	235	269	475	376	168	139	75	39.1
Compositors and typesetters	9	688	8	4	83	58	100	169	118	40	74	34	40.4
Pressmen and plate printers, printing	4	1 005	11	46	145	123	114	206	184	103	49	24	38.1
Stationary engineers and power station operators	–	1 024	–	18	44	112	126	212	243	133	115	21	45.0
Other craftsmen and kindred workers	24	5 479	57	115	663	765	554	972	1 171	569	388	225	41.0

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

ROCHESTER SMSA—Continued

Total—Continued

Male employed—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
Operatives, except transport	**82**	**32 174**	**680**	**1 597**	**4 205**	**4 240**	**3 285**	**5 842**	**6 704**	**2 913**	**1 997**	**711**	**38.6**
Assemblers	–	3 086	39	156	450	485	348	541	614	269	140	44	36.2
Checkers, examiners, and inspectors; manufacturing	–	3 707	–	73	513	569	386	706	925	328	171	36	39.4
Garage workers and gas station attendants	12	1 136	355	306	157	28	44	76	76	11	39	44	19.4
Laundry and drycleaning operatives, n.e.c	7	278	23	18	45	18	19	36	36	56	11	16	39.4
Meat cutters and butchers	5	740	4	29	116	78	106	131	119	67	57	33	37.8
Mine operatives, n.e.c	–	129	–	–	25	18	20	13	19	22	12	–	36.2
Packers and wrappers, except produce	11	1 152	60	111	196	207	100	181	126	89	35	47	30.1
Painters, manufactured articles	–	437	6	9	68	26	49	102	92	34	42	9	40.9
Precision machine operatives	–	2 792	5	144	381	333	248	460	722	263	184	52	41.2
Sawyers	–	93	4	–	6	5	10	22	4	19	23	–	...
Stationary firemen	–	313	–	5	35	35	26	71	84	20	31	6	42.8
Textile operatives	–	79	–	–	16	5	–	11	17	14	11	5	...
Welders and flamecutters	–	1 454	4	37	119	208	145	285	417	187	47	5	42.5
Other metalworking operatives	–	1 729	9	61	170	163	153	335	463	213	105	57	44.2
Other specified operatives	27	6 286	83	265	753	773	733	1 254	1 211	567	463	184	39.3
Miscellaneous and not specified operatives	20	8 763	88	383	1 155	1 289	898	1 618	1 779	754	626	173	38.5
Occupation:													
Machine operatives, miscellaneous specified	9	4 251	17	132	542	563	470	831	904	389	323	80	39.8
Machine operatives, not specified	5	2 072	5	130	347	409	180	379	321	173	104	24	34.0
Miscellaneous operatives	6	1 359	60	88	151	168	167	194	271	83	132	45	37.3
Not specified operatives	–	1 081	6	33	115	149	81	214	283	109	67	24	42.3
Industry:													
Manufacturing	14	7 967	39	334	1 021	1 200	853	1 474	1 616	707	583	140	38.6
Durable goods	10	6 207	24	219	764	996	626	1 192	1 340	534	412	100	39.0
Wood products, including furniture	–	73	–	–	–	–	6	6	33	–	10	18	...
Primary metal industries	–	142	–	19	25	11	9	25	31	9	13	–	37.8
Fabricated metal industries	–	351	4	23	63	69	35	59	57	16	14	11	32.4
Machinery, including electrical	10	1 243	16	46	197	201	110	187	298	109	57	22	37.8
Motor vehicles and equipment	–	162	–	–	15	20	32	32	34	14	11	4	39.4
Transportation equipment, except motor vehicles	–	24	–	–	–	5	–	9	7	–	3	–	...
Other durable goods	–	4 212	4	131	464	690	434	874	880	386	304	45	39.4
Nondurable goods	4	1 745	15	115	253	204	227	277	276	173	171	34	37.1
Food and kindred products	4	581	–	15	89	43	59	91	124	72	68	20	44.3
Apparel and other fabricated textile products	–	82	6	4	–	10	10	11	22	5	14	–	...
Paper and allied products	–	370	5	24	67	45	67	82	18	36	22	4	33.3
Chemicals and allied products	–	161	–	25	19	37	8	15	19	20	18	–	29.9
Other nondurable goods	–	551	4	47	78	69	83	78	93	40	49	10	34.7
Not specified manufacturing industries	–	15	–	–	4	–	–	5	–	–	–	6	...
Nonmanufacturing industries	6	796	49	49	134	89	45	144	163	47	43	33	37.2
Transportation, communications, and other public utilities	–	118	–	3	10	7	17	26	24	14	17	–	43.5
Wholesale and retail trade	–	325	24	26	46	37	9	61	74	13	21	14	38.4
All other industries	6	353	25	20	78	45	19	57	65	20	5	19	32.2
Transport equipment operatives	**46**	**9 884**	**114**	**314**	**1 094**	**1 242**	**1 058**	**2 189**	**1 965**	**954**	**688**	**266**	**40.1**
Bus drivers	–	709	–	–	52	42	59	119	202	145	69	21	49.1
Taxicab drivers and chauffeurs	–	415	–	10	56	48	36	100	90	24	34	17	40.8
Truck drivers and deliverymen	28	6 586	86	236	666	808	717	1 555	1 313	604	463	138	40.0
Other transport equipment operatives	18	2 174	28	68	320	344	246	415	360	181	122	90	37.0
Laborers, except farm	**208**	**11 099**	**1 502**	**1 362**	**1 801**	**1 034**	**776**	**1 452**	**1 536**	**699**	**583**	**354**	**29.3**
Construction laborers	5	1 958	46	88	274	281	189	495	356	108	88	33	37.0
Freight, stock, and material handlers	99	5 157	1 239	891	834	424	263	394	568	240	189	115	22.7
Other specified laborers	93	2 652	175	224	514	221	245	334	411	217	171	140	33.9
Miscellaneous and not specified laborers	11	1 332	42	159	179	108	79	229	201	134	135	66	39.3
Occupation:													
Miscellaneous laborers	5	383	4	22	50	32	29	79	62	51	39	15	41.9
Not specified laborers	6	949	38	137	129	76	50	150	139	83	96	51	38.0
Industry:													
Manufacturing	5	572	–	43	78	60	33	92	114	72	62	18	42.8
Durable goods	–	434	–	40	66	49	33	52	85	60	35	14	40.6
Wood products, including furniture	–	20	–	–	7	–	–	–	6	7	–	–	...
Metal industries	–	94	–	9	13	4	12	9	32	10	5	–	...
Machinery, including electrical	–	78	–	–	16	11	6	15	15	10	5	–	...
Transportation equipment	–	21	–	–	–	–	5	–	11	–	5	–	...
Other durable goods	–	221	–	31	30	34	10	28	21	33	20	14	37.0
Nondurable goods	5	128	–	3	12	11	–	40	19	12	27	4	44.5
Food and kindred products	–	61	–	–	9	8	–	18	9	–	17	–	...
Not specified manufacturing industries	–	10	–	–	–	–	–	–	10	–	–	–	...
Nonmanufacturing industries	6	760	42	116	101	48	46	137	87	62	73	48	37.0
Railroads and railway express service	–	82	–	6	5	–	4	11	12	13	26	5	...
Transportation, except railroads	–	12	–	–	–	–	6	–	–	–	6	–	...
Communications, and utilities and sanitary services	–	112	–	10	14	17	4	20	17	20	10	–	40.5
Wholesale and retail trade	6	194	29	37	24	9	13	27	10	17	4	24	28.9
All other industries	–	360	13	63	58	22	19	79	48	12	27	19	35.6
Farmers and farm managers	**9**	**2 793**	**13**	**34**	**111**	**141**	**164**	**536**	**669**	**362**	**315**	**448**	**50.9**
Farm laborers and farm foremen	**223**	**1 965**	**270**	**170**	**257**	**169**	**159**	**284**	**246**	**114**	**129**	**167**	**33.7**
Paid farm laborers and farm foremen	212	1 813	225	149	246	152	144	276	238	110	119	154	34.7
Unpaid family workers	11	152	45	21	11	17	15	8	8	4	10	13	24.5
Service workers, except private household[1]	**387**	**17 620**	**1 753**	**1 446**	**2 077**	**1 402**	**1 194**	**2 474**	**2 853**	**1 601**	**1 418**	**1 402**	**38.8**
Cleaning service workers	112	5 821	423	412	473	326	321	766	1 036	723	684	657	46.8
Food service workers	215	4 606	1 152	709	730	308	199	430	447	197	218	216	23.0
Cooks, except private household	15	1 554	264	186	248	146	113	208	199	80	62	48	27.7
Busboys and dishwashers	127	1 116	559	268	118	19	5	50	11	21	25	40	18.0
Health service workers	–	747	32	31	99	69	46	136	141	131	44	18	42.1
Personal service workers	31	1 325	79	58	120	166	91	170	226	156	87	172	43.7
Protective service workers	–	3 777	10	68	363	454	429	810	814	290	294	245	42.0
Firemen, fire protection	–	741	–	–	42	123	92	166	222	46	34	16	41.8
Guards and watchmen	–	1 475	10	42	155	80	90	246	339	126	222	165	48.4
Policemen and detectives	–	1 282	–	26	137	241	203	344	215	93	17	6	36.0
Private household workers	**9**	**48**	**19**	**–**	**7**	**–**	**–**	**13**	**9**	**–**	**–**	**–**	**...**

[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
ROCHESTER SMSA—Continued													
Total—Continued													
Female employed	**961**	**136 986**	**4 733**	**8 251**	**22 098**	**13 261**	**10 066**	**24 328**	**29 922**	**11 751**	**7 844**	**4 732**	**39.1**
Professional, technical, and kindred workers	**41**	**22 591**	**81**	**320**	**4 667**	**3 918**	**2 288**	**4 081**	**3 972**	**1 463**	**1 126**	**675**	**35.1**
Accountants	–	664	–	21	122	76	48	139	147	47	29	35	39.7
Computer specialists	–	431	–	15	164	101	63	60	18	5	–	5	26.8
Librarians	5	557	5	10	77	35	28	89	132	112	23	46	47.6
Mathematical specialists	–	43	–	–	5	6	5	5	17	5	–	–	...
Life and physical scientists	–	260	–	–	63	88	35	42	12	9	11	–	28.8
Registered nurses, dietitians, and therapists	–	4 890	13	21	845	739	552	940	975	427	220	158	37.9
Dietitians	–	159	4	–	24	21	10	33	31	23	8	5	41.2
Registered nurses	–	4 495	9	15	741	681	531	857	908	393	207	153	38.2
Health technologists and technicians	–	994	–	56	356	179	77	106	118	45	54	3	27.4
Social scientists	–	118	–	–	24	25	23	19	27	–	–	–	32.2
Social and recreation workers	–	826	9	9	229	123	32	85	159	99	54	27	36.3
Teachers: College and university	–	613	–	10	137	103	74	159	66	23	23	18	33.8
Elementary and prekindergarten	–	5 927	4	6	1 262	1 138	642	1 143	932	325	349	126	34.3
Secondary	4	2 511	–	5	513	585	245	383	457	136	135	52	33.1
Other teachers	11	569	8	12	50	93	98	101	92	36	29	50	37.3
Engineering and science technicians	–	547	–	16	233	89	40	53	83	13	15	5	26.4
Technicians, except health, and engineering and science	–	44	–	–	5	13	–	–	14	4	4	4	...
Writers, artists, and entertainers	9	1 113	36	48	144	152	113	265	232	51	53	19	37.4
Actors and dancers	–	10	–	–	–	–	–	10	–	–	–	–	...
Authors, editors, and reporters	–	364	6	–	35	74	43	84	93	9	11	9	37.9
Other professional, technical, and kindred workers	12	2 484	6	91	438	373	213	492	491	126	127	127	37.5
Managers and administrators, except farm	**4**	**3 738**	**14**	**32**	**305**	**256**	**308**	**828**	**1 085**	**360**	**360**	**190**	**46.2**
Buyers, purchasing agents, and sales managers	–	611	7	–	106	39	47	113	174	63	48	14	44.4
Restaurant, cafeteria, and bar managers	–	288	–	–	6	15	31	73	90	28	28	17	47.1
School administrators	4	315	–	–	–	18	34	120	69	18	52	4	43.8
Other specified managers and administrators	–	904	7	11	109	52	65	160	225	138	97	40	47.1
Managers and administrators, n.e.c., salaried	–	1 333	–	21	79	126	126	286	415	92	109	79	45.7
Wholesale and retail trade	–	430	–	–	36	36	40	98	145	20	33	22	45.3
Managers and administrators, n.e.c., self-employed	–	287	–	–	5	6	5	76	112	21	26	36	49.6
Wholesale and retail trade	–	186	–	–	–	–	5	48	79	7	26	21	50.1
Sales workers	**91**	**10 044**	**1 297**	**1 146**	**956**	**448**	**465**	**1 647**	**2 103**	**876**	**599**	**507**	**39.3**
Demonstrators, hucksters, and peddlers	11	387	8	–	52	84	75	99	39	26	4	–	33.3
Insurance, real estate agents, and brokers	–	398	–	9	31	22	18	78	104	58	40	38	48.9
Sales clerks, retail trade	35	7 718	1 170	928	695	225	266	1 180	1 694	681	477	402	39.9
Salesmen, retail trade	–	265	22	13	4	20	13	60	66	37	15	15	45.1
Other sales workers	45	1 276	97	196	174	97	93	230	200	74	63	52	34.0
Clerical and kindred workers	**163**	**50 034**	**1 649**	**4 229**	**10 549**	**4 582**	**3 279**	**8 114**	**10 373**	**3 759**	**2 354**	**1 146**	**35.9**
Bank tellers	–	1 238	5	148	253	134	85	307	195	88	23	–	34.6
Bookkeepers	–	5 333	29	197	791	371	384	1 098	1 354	504	388	217	43.1
Cashiers	15	3 735	929	572	390	199	130	493	538	241	181	62	24.7
Counter clerks, except food	6	671	38	58	65	43	35	125	171	63	39	34	42.7
Enumerators and interviewers	–	140	–	–	9	13	3	50	49	–	–	16	44.0
File clerks	4	1 450	91	220	338	94	91	181	245	126	49	15	29.0
Office machine operators	–	2 125	31	236	681	237	194	317	277	103	24	25	27.4
Bookkeeping and billing machine operators	–	155	13	14	43	19	6	33	17	10	–	–	27.0
Keypunch operators	–	1 205	–	125	437	143	154	167	126	33	5	15	26.4
Payroll and timekeeping clerks	–	794	–	38	143	40	41	126	237	100	61	8	45.4
Receptionists	–	1 388	29	143	333	102	54	185	336	123	58	25	36.8
Secretaries	6	15 257	81	919	3 920	1 770	1 146	2 576	3 039	867	623	316	34.1
Stenographers	–	601	5	41	107	79	37	63	170	59	21	19	40.0
Telephone operators	–	1 305	39	95	209	139	67	191	241	140	124	60	40.4
Typists	27	4 512	107	498	1 173	342	263	612	841	392	211	73	32.6
Other clerical and kindred workers	105	11 485	265	1 064	2 137	1 019	749	1 790	2 680	953	552	276	37.8
Craftsmen and kindred workers	**–**	**2 869**	**19**	**114**	**294**	**264**	**235**	**546**	**719**	**360**	**201**	**117**	**44.3**
Foremen, n.e.c	–	610	–	–	39	51	80	118	168	84	66	4	46.0
Operatives, except transport	**47**	**22 893**	**157**	**547**	**2 005**	**1 808**	**1 610**	**4 573**	**6 981**	**2 812**	**1 679**	**721**	**46.1**
Assemblers	–	5 169	8	79	425	505	391	1 172	1 757	535	227	70	45.0
Bottling and canning operatives	–	179	–	–	5	–	18	36	52	31	21	16	50.9
Checkers, examiners, and inspectors; manufacturing	–	2 721	6	62	231	150	159	567	971	382	153	40	46.9
Dressmakers and seamstresses, except factory	–	418	4	–	8	10	21	66	89	86	77	57	55.6
Laundry and dry cleaning operatives, including ironers	10	883	19	32	45	85	75	149	256	73	109	40	46.4
Graders and sorters, manufacturing	–	66	–	–	–	5	5	19	17	–	14	6	...
Packers and wrappers, except produce	–	2 263	48	130	221	130	161	496	655	253	126	43	43.9
Sewers and stitchers	4	2 644	21	50	165	160	148	461	676	470	392	101	49.7
Textile operatives	–	123	–	–	5	6	15	34	34	19	5	5	45.4
Other specified operatives	33	4 556	33	117	514	455	329	815	1 291	469	309	224	45.1
Miscellaneous and not specified operatives	–	3 871	18	77	386	302	288	758	1 183	494	246	119	45.9
Manufacturing	–	3 571	14	73	360	271	269	709	1 108	437	224	106	45.8
Durable goods	–	2 132	–	37	234	194	171	457	692	249	71	27	44.4
Machinery, including electrical	–	817	–	15	60	93	49	167	273	141	15	4	45.9
Other durable goods	–	1 315	–	22	174	101	122	290	419	108	56	23	43.2
Nondurable goods, including not specified manufacturing	–	1 439	14	36	126	77	98	252	416	188	153	79	47.8
Food and kindred products	–	509	–	–	32	25	19	79	148	73	89	44	51.7
Apparel and other fabricated textile products	–	125	4	–	6	–	4	8	39	28	36	–	55.3
Nonmanufacturing industries	–	300	4	4	26	31	19	49	75	57	22	13	47.3
Transport equipment operatives	**–**	**682**	**–**	**18**	**35**	**39**	**108**	**265**	**160**	**42**	**10**	**5**	**40.3**
Laborers, except farm	**23**	**1 021**	**74**	**56**	**100**	**75**	**89**	**237**	**196**	**82**	**43**	**69**	**39.9**
Farmers and farm managers	**9**	**219**	**–**	**6**	**–**	**17**	**16**	**32**	**79**	**29**	**21**	**19**	**49.9**
Farm laborers and farm foremen	**14**	**451**	**13**	**25**	**50**	**26**	**30**	**90**	**95**	**33**	**46**	**43**	**44.1**
Paid farm laborers and farm foremen	14	319	8	15	35	26	26	62	71	25	20	31	43.0
Unpaid family workers	–	132	5	10	15	–	4	28	24	8	26	12	46.7
Service workers, except private household[1]	**275**	**20 239**	**1 206**	**1 675**	**2 981**	**1 675**	**1 548**	**3 601**	**3 797**	**1 752**	**1 146**	**858**	**37.9**
Cleaning service workers	25	2 431	74	69	163	133	140	495	577	294	261	225	47.5
Chambermaids and maids	4	632	25	18	83	47	27	124	171	49	54	34	44.4
Food service workers	113	7 961	745	925	850	512	546	1 510	1 545	705	350	273	37.7
Cooks, except private household	3	1 224	10	70	36	38	46	280	354	213	90	87	48.7
Waiters and food counter workers	44	4 628	578	625	577	422	362	801	737	266	164	96	31.5
Health service workers	37	4 911	240	398	1 085	542	403	808	714	311	244	166	32.4
Nursing aides, orderlies, and attendants	32	3 122	184	229	567	311	275	574	493	199	142	148	34.9
Practical nurses	–	1 029	–	57	301	149	77	156	151	52	73	13	30.5
Personal service workers	38	2 896	79	175	563	242	288	471	529	271	154	124	37.1
Hairdressers and cosmetologists	6	1 457	6	120	386	146	108	190	282	116	66	37	33.3
Private household workers	**294**	**2 205**	**223**	**83**	**156**	**153**	**90**	**314**	**362**	**183**	**259**	**382**	**47.3**
Private household workers, living in	–	229	–	5	11	9	–	19	43	33	44	65	59.2
Private household workers, living out	294	1 976	223	78	145	144	90	295	319	150	215	317	45.4

[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

ROCHESTER 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	**55**	**10 483**	**284**	**409**	**1 505**	**1 669**	**1 766**	**2 349**	**1 533**	**462**	**309**	**197**	**33.9**
Professional, technical, and kindred workers	4	694	4	22	87	152	213	118	63	16	–	19	31.9
Engineers	–	50	–	–	–	13	17	8	4	8	–	–	...
Lawyers and judges	–	10	–	–	–	–	–	6	4	–	–	–	...
Life and physical scientists	–	15	–	–	–	–	15	–	–	–	–	–	...
Physicians, dentists, and related practitioners	–	44	–	–	–	–	7	15	11	–	–	11	...
Health workers, except practitioners	–	31	–	–	5	20	6	–	–	–	–	–	...
Social and recreation workers	4	57	–	13	–	27	5	5	7	–	–	–	...
Teachers	–	84	–	–	13	19	18	19	7	–	–	8	...
Technicians, except health	–	112	4	5	24	11	34	21	13	–	–	–	31.8
Writers, artists, and entertainers	–	60	–	4	13	10	17	11	5	–	–	–	...
Other professional, technical, and kindred workers	–	231	–	–	32	52	94	33	12	8	–	–	31.7
Managers and administrators, except farm	–	383	–	–	49	38	78	115	50	30	23	–	37.3
Salaried	–	273	–	–	33	29	40	97	27	24	23	–	38.6
Manufacturing	–	21	–	–	3	–	13	–	5	–	–	–	...
Retail trade	–	47	–	–	3	14	11	12	–	–	7	–	...
All other industries	–	205	–	–	27	15	16	85	22	24	16	–	40.2
Self-employed	–	110	–	–	16	9	38	18	23	6	–	–	33.9
Retail trade	–	29	–	–	4	9	10	–	–	6	–	–	...
All other industries	–	81	–	–	12	–	28	18	23	–	–	–	...
Sales workers	14	142	26	10	11	27	34	17	11	–	–	6	29.4
Manufacturing and wholesale trade	9	57	22	–	7	14	8	6	–	–	–	–	...
Retail trade	5	57	4	10	4	–	11	11	11	–	–	6	...
All other industries	–	28	–	–	–	13	15	–	–	–	–	–	...
Clerical and kindred workers	19	664	25	59	92	104	110	118	120	21	–	15	32.4
Bookkeepers and billing clerks	–	16	–	–	10	–	–	–	6	–	–	–	...
Mail handlers and postal clerks	–	47	4	4	5	–	–	15	14	5	–	–	...
Other clerical and kindred workers	19	601	21	55	77	104	110	103	100	16	–	15	32.0
Craftsmen and kindred workers	4	1 901	17	35	299	299	335	440	325	90	25	36	34.5
Carpenters	–	102	–	6	16	–	19	26	23	12	–	–	38.8
Construction craftsmen, except carpenters	–	425	9	4	44	60	84	129	47	38	–	10	35.9
Automobile mechanics, including body repairmen	–	129	–	–	25	26	8	28	32	–	–	10	37.0
Mechanics and repairmen, except auto	–	183	4	9	6	37	28	43	48	3	–	5	36.7
Machinists	–	128	–	–	21	32	44	14	12	–	5	–	31.3
Metal craftsmen, except mechanics and machinists	–	144	–	–	42	10	39	15	34	4	–	–	32.6
Foremen, n.e.c	–	195	–	–	17	57	15	73	23	5	5	–	36.2
Other craftsmen and kindred workers	4	595	4	16	128	77	98	112	106	28	15	11	33.7
Operatives, except transport	–	2 397	28	133	414	497	338	580	249	51	89	18	31.9
Assemblers	–	227	6	10	63	37	26	44	23	6	12	–	29.7
Garage workers and gas station attendants	–	18	–	–	–	7	3	8	–	–	–	–	...
Laundry and drycleaning operatives, including ironers	–	96	5	12	21	14	5	22	17	–	–	–	...
Precision machine operatives	–	118	–	6	18	28	14	23	16	13	–	–	32.5
Other operatives, except transport	–	1 938	17	105	312	411	290	483	193	32	77	18	32.1
Durable goods, manufacturing	–	1 215	5	68	217	263	190	315	109	11	37	–	31.4
Nondurable goods, including not specified manufacturing	–	389	12	34	51	65	50	95	35	8	21	18	33.3
Nonmanufacturing industries	–	334	–	3	44	83	50	73	49	13	19	–	33.7
Transport equipment operatives	–	733	13	6	135	142	109	180	91	22	24	11	33.2
Truck drivers	–	299	–	–	54	26	48	91	65	11	–	4	37.4
Other transport equipment operatives	–	434	13	6	81	116	61	89	26	11	24	7	30.1
Laborers, except farm	5	1 681	30	55	187	235	241	388	341	131	59	14	37.4
Construction laborers	–	547	–	–	32	78	92	181	110	41	3	10	39.0
Freight, stock, and material handlers	5	348	25	22	34	63	57	54	54	22	17	–	32.6
Other laborers, except farm	–	786	5	33	121	94	92	153	177	68	39	4	38.1
Manufacturing industries	–	174	5	6	27	9	20	45	38	20	–	4	39.4
Farmers and farm managers	–	9	–	–	3	–	–	6	–	–	–	–	...
Farm laborers and farm foremen	–	271	17	3	12	6	49	55	78	15	20	16	43.8
Service workers, except private household[1]	9	1 601	124	86	216	169	259	325	205	86	69	62	34.0
Cleaning service workers	6	808	20	32	87	66	131	189	119	64	45	55	38.6
Food service workers	3	264	68	5	41	44	18	32	40	5	7	4	27.0
Health service workers	–	94	15	4	14	23	19	13	1	–	5	–	...
Personal service workers	–	58	10	–	13	9	–	17	3	–	6	–	...
Protective service workers	–	155	–	11	13	8	61	38	10	5	6	3	33.7
Private household workers	–	7	–	–	–	–	–	7	–	–	–	–	...
Female employed	**72**	**8 552**	**213**	**423**	**1 518**	**1 569**	**1 180**	**1 903**	**1 147**	**256**	**170**	**173**	**32.3**
Professional, technical, and kindred workers	–	794	8	33	119	253	141	142	62	17	5	14	29.7
Registered nurses	–	173	–	–	17	70	43	23	20	–	–	–	30.0
Health workers, except nurses	–	89	4	–	10	24	15	31	–	–	5	–	...
Teachers, elementary and secondary schools	–	188	–	6	4	67	44	52	15	–	–	–	31.9
Technicians, except health	–	–	–	–	–	–	–	–	–	–	–	–	–
Other professional, technical, and kindred workers	–	344	4	27	88	92	39	36	27	17	–	14	27.9
Managers and administrators, except farm	–	107	7	–	–	17	4	50	29	–	–	–	40.1
Salaried	–	99	7	–	–	17	4	46	25	–	–	–	...
Self-employed	–	8	–	–	–	–	–	4	4	–	–	–	...
Sales workers	11	204	33	55	–	26	14	17	37	18	–	4	27.7
Retail trade	11	187	33	52	–	20	6	17	37	18	–	4	27.1
Clerical and kindred workers	12	1 612	54	155	561	332	154	199	101	18	11	27	25.5
Bookkeepers and cashiers	–	146	21	18	28	11	16	11	41	–	–	–	27.7
Office machine operators	–	85	–	6	27	22	11	19	–	–	–	–	...
Secretaries, stenographers, and typists	6	475	11	23	227	113	34	44	15	4	–	4	24.5
Other clerical and kindred workers	6	906	22	108	279	186	93	125	45	14	11	23	26.2
Craftsmen and kindred workers	–	211	–	8	77	39	39	33	7	–	4	4	27.6
Operatives, except transport	5	2 190	12	43	339	451	299	588	302	67	52	37	34.2
Sewers and stitchers	–	107	–	10	12	12	9	43	14	7	–	–	37.4
Laundry and drycleaning operatives, including ironers	–	221	4	–	18	36	45	39	51	12	9	7	36.9
Other operatives, except transport	5	1 862	8	33	309	403	245	506	237	48	43	30	33.6
Durable goods, manufacturing	–	1 321	–	17	213	341	198	344	168	9	27	4	32.3
Nondurable goods, including not specified manufacturing	5	356	4	13	68	40	43	85	46	21	10	26	36.2
Nonmanufacturing industries	–	185	4	3	28	22	4	77	23	18	6	–	39.1
Transport equipment operatives	–	12	–	7	5	–	–	–	–	–	–	–	...
Laborers, except farm	–	117	–	–	9	13	30	40	21	4	–	–	36.6
Farmers and farm managers	–	8	–	–	–	4	–	–	4	–	–	–	...
Farm laborers and farm foremen	–	47	–	–	7	6	9	19	–	6	–	–	...
Service workers, except private household[1]	38	2 656	97	122	360	374	427	651	419	93	67	46	34.4
Cleaning service workers	–	611	20	15	42	54	75	146	174	46	27	12	41.8
Food service workers	4	365	18	42	25	44	52	107	50	11	6	10	35.1
Health service workers	5	976	39	57	202	171	173	227	86	9	12	–	30.5
Practical nurses	–	119	–	–	37	13	22	34	9	–	4	–	32.2
Personal service workers	5	270	16	4	17	37	40	98	29	13	12	4	37.1
Protective service workers	–	29	–	–	–	–	8	14	–	7	–	–	...
Private household workers	6	594	2	–	41	54	63	164	165	33	31	41	43.4

[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	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
SYRACUSE SMSA												
Total												
Male employed	1 412	148 350	3 522	5 670	15 725	17 336	15 445	31 482	31 638	12 508	9 033	5 991	40.2
Professional, technical, and kindred workers	4	25 370	38	176	2 915	4 217	3 804	6 287	4 768	1 461	959	745	37.4
Accountants	–	1 818	–	–	257	310	209	381	355	144	101	61	38.5
Architects	–	258	–	–	12	58	61	50	52	14	11	–	34.8
Computer specialists	4	688	–	16	139	182	152	132	58	9	–	–	30.2
Engineers	–	5 141	–	4	305	620	787	1 537	1 342	277	178	91	40.6
Aeronautical and astronautical	–	11	–	–	–	11	–	–	–	–	–	–	...
Civil	–	611	–	4	38	83	128	121	168	17	32	20	39.3
Electrical and electronic	–	1 663	–	–	98	194	298	539	408	89	26	11	39.5
Mechanical	–	673	–	–	27	82	81	208	158	57	35	25	42.0
Other engineers	–	2 183	–	–	142	250	280	669	608	114	85	35	41.3
Lawyers and judges	–	871	–	–	4	90	61	319	198	29	84	86	43.8
Life and physical scientists	–	547	–	–	39	109	86	152	94	55	12	–	37.6
Chemists	–	394	–	–	34	69	61	115	63	40	12	–	37.9
Physicians, dentists, and related practitioners	–	1 639	4	–	14	173	236	388	389	162	135	138	45.1
Dentists	–	264	–	–	–	4	55	56	92	22	21	14	46.8
Pharmacists	–	317	–	–	9	52	36	65	55	28	37	35	44.5
Physicians, medical and osteopathic	–	952	4	–	5	112	145	243	219	91	66	67	43.6
Other related practitioners	–	106	–	–	–	5	–	24	23	21	11	22	55.2
Health technologists and technicians	–	261	–	5	69	60	33	41	10	27	10	6	29.7
Religious workers	–	539	–	–	14	46	80	170	104	39	28	58	42.6
Social scientists	–	339	–	–	40	86	70	69	31	26	7	10	33.1
Social and recreation workers	–	360	–	9	68	51	65	71	62	10	12	12	34.0
Teachers	–	4 870	4	20	754	1 034	804	1 176	615	205	159	99	33.9
College and university	–	2 101	–	11	210	423	392	513	312	97	69	74	35.3
Elementary and prekindergarten	–	744	–	–	179	166	93	210	54	28	10	4	31.5
Secondary	–	1 835	–	4	349	406	293	414	225	66	69	9	32.7
Engineering and science technicians	–	2 779	8	31	516	511	413	524	505	169	55	47	33.9
Draftsmen and surveyors	–	1 191	4	12	308	225	132	211	179	79	11	30	31.8
Electrical and electronic engineering technicians	–	718	–	–	55	133	167	140	170	28	25	–	35.3
Technicians, except health, and engineering and science	–	250	–	–	20	64	28	46	79	4	4	5	37.8
Airplane pilots	–	84	–	–	5	34	12	10	23	–	–	–	...
Writers, artists, and entertainers	–	1 873	16	58	259	248	271	448	306	130	58	79	36.9
Other professional, technical, and kindred workers	–	3 137	6	33	405	575	448	783	568	161	105	53	36.3
Managers and administrators, except farm	–	15 854	23	93	824	1 292	1 542	4 261	4 441	1 599	1 077	702	44.7
Buyers, purchasing agents, and sales managers	–	2 450	–	19	130	222	286	640	770	176	141	66	43.9
School administrators	–	485	–	–	–	26	48	190	132	52	26	11	43.9
Specified managers and administrators, public administration	–	718	–	10	20	43	5	129	254	91	74	92	51.0
Other specified managers and administrators	–	2 780	6	11	283	269	262	691	593	328	237	100	43.1
Managers and administrators, n.e.c., salaried	–	7 771	17	53	354	664	791	2 211	2 196	809	398	278	44.1
Manufacturing	–	2 001	–	5	23	125	157	574	698	217	139	63	46.7
Wholesale and retail trade	–	2 629	12	30	196	250	287	737	639	253	113	112	42.3
Transportation, communications, and other public utilities	–	714	–	6	25	51	78	171	258	83	32	10	46.0
All other industries	–	2 427	5	12	110	238	269	729	601	256	114	93	42.9
Managers and administrators, n.e.c., self-employed	–	1 650	–	–	37	68	150	400	496	143	201	155	48.4
Construction	–	321	–	–	5	14	50	92	124	5	25	6	44.9
Manufacturing	–	84	–	–	5	–	4	19	26	9	12	9	...
Wholesale and retail trade	–	908	–	–	20	40	66	231	237	105	115	94	49.1
All other industries	–	337	–	–	7	14	30	58	109	24	49	46	50.5
Sales workers	568	11 858	375	420	1 199	1 562	1 094	2 626	2 389	919	654	620	39.9
Insurance agents, brokers, and underwriters	4	1 578	–	5	170	236	168	376	411	89	63	60	40.6
Real estate agents and brokers	–	457	–	–	15	45	25	92	115	56	52	57	49.5
Sales representatives, manufacturing industries	13	1 755	–	–	78	326	232	524	350	124	88	33	39.6
Sales representatives, wholesale trade	5	2 563	5	7	179	394	243	696	557	216	186	80	41.5
Sales clerks, retail trade	9	2 427	265	296	410	161	164	383	302	174	81	191	32.5
Salesmen, retail trade	–	1 219	6	46	152	166	81	228	286	90	82	82	42.0
Salesmen of services and construction	–	617	–	4	44	105	87	131	157	64	10	15	40.2
Other sales workers	537	1 242	99	62	151	129	94	196	211	106	92	102	39.4
Clerical and kindred workers	79	12 101	357	645	1 844	1 427	976	2 194	2 345	1 110	750	453	38.7
Bank tellers and cashiers	10	445	58	70	87	37	5	43	40	45	18	42	26.0
Bookkeepers and billing clerks	–	991	13	27	97	131	95	179	224	85	72	68	42.4
Mail handlers and postal clerks	4	1 579	11	20	135	110	82	414	510	215	55	27	45.3
Other clerical and kindred workers	65	9 086	275	528	1 525	1 149	794	1 558	1 571	765	605	316	36.7
Craftsmen and kindred workers	35	30 967	155	590	2 688	3 436	3 344	7 063	7 439	3 035	2 168	1 049	42.5
Apparel craftsmen and upholsterers	–	202	–	4	21	–	11	44	39	13	18	52	50.4
Bakers	–	243	5	5	17	34	5	63	51	41	14	8	43.8
Cabinetmakers	–	130	–	4	5	9	21	6	55	20	5	5	48.6
Construction craftsmen	4	7 483	20	159	577	847	838	1 765	1 701	718	544	314	42.4
Carpenters	–	2 220	4	76	161	197	236	527	588	214	116	101	43.3
Excavating, grading, and road machine operators	–	790	–	5	75	84	95	151	188	94	67	31	44.0
Electricians	4	1 305	–	18	75	230	140	332	270	108	111	21	40.7
Masons and tile setters	–	555	–	5	32	39	88	212	112	35	20	12	40.4
Painters, construction and maintenance, and paperhangers	–	846	16	40	66	89	72	176	131	100	80	76	43.0
Plasterers and cement finishers	–	137	–	–	12	5	15	36	38	9	13	9	45.1
Plumbers and pipe fitters	–	1 193	–	10	96	126	141	270	282	104	107	57	43.3
Other construction craftsmen	–	437	–	5	60	77	51	61	92	54	30	7	39.2
Foremen, n.e.c	8	4 683	9	–	82	355	530	1 261	1 400	586	376	84	45.7
Manufacturing	–	2 744	4	–	37	179	310	697	872	387	209	49	46.7
Nonmanufacturing industries	8	1 939	5	–	45	176	220	564	528	199	167	35	44.3
Linemen and servicemen, telephone and power	–	1 176	–	12	168	172	188	373	219	19	21	4	36.3
Locomotive engineers and firemen	–	260	–	5	8	10	11	45	84	47	45	5	51.1
Mechanics and repairmen	10	7 333	72	242	904	891	865	1 559	1 569	648	393	190	39.4
Air conditioning, heating, and refrigeration	–	447	6	4	40	54	55	107	114	41	4	22	41.0
Aircraft	–	136	–	4	16	15	16	59	26	–	–	–	37.9
Automobile, including body	10	3 040	29	167	487	383	390	629	512	217	147	79	36.0
Radio and television	–	371	5	5	44	64	66	80	66	22	12	7	35.2
Other mechanics and repairmen	–	3 339	32	62	317	375	338	684	851	368	230	82	43.0
Metal craftsmen, except mechanics	–	4 093	11	46	321	453	287	765	1 242	515	344	109	46.3
Machinists and job and die setters	–	1 643	4	14	153	157	143	322	466	212	133	39	45.6
Sheetmetal workers and tinsmiths	–	369	–	5	34	90	33	70	98	19	20	–	38.2
Tool and die makers	–	918	7	15	91	65	14	194	296	94	98	44	47.5
Other metal craftsmen	–	1 163	–	12	43	141	97	179	382	190	93	26	47.9
Printing craftsmen	–	960	14	46	113	124	154	245	137	52	52	23	36.2
Compositors and typesetters	–	395	8	15	46	25	94	86	69	20	27	5	36.1
Pressmen and plate printers, printing	–	478	6	31	67	82	60	119	54	20	21	18	34.4
Stationary engineers and power station operators	–	472	–	–	31	23	45	101	122	63	76	11	48.0
Other craftsmen and kindred workers	13	3 932	24	67	441	518	389	836	820	313	280	244	41.3

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
SYRACUSE SMSA—Continued													
Total—Continued													
Male employed—Continued													
Operatives, except transport	**46**	**19 534**	**432**	**928**	**2 268**	**2 438**	**1 983**	**3 639**	**4 381**	**1 727**	**1 206**	**532**	**39.7**
Assemblers	–	1 534	9	70	255	210	98	274	322	182	88	26	39.6
Checkers, examiners, and inspectors, manufacturing	–	1 576	9	42	141	159	168	319	443	182	96	17	43.4
Garage workers and gas station attendants	21	1 019	228	266	194	93	29	95	57	19	18	20	20.4
Laundry and drycleaning operatives, n.e.c	–	189	12	15	22	11	22	35	35	11	7	19	38.6
Meat cutters and butchers	–	694	6	20	41	67	56	185	170	84	41	24	43.5
Mine operatives, n.e.c	–	71	–	4	6	5	4	16	22	8	6	–	...
Packers and wrappers, except produce	5	552	28	39	124	59	53	62	83	63	30	11	32.5
Painters, manufactured articles	–	291	–	13	44	60	28	40	50	34	16	6	35.1
Precision machine operatives	–	1 792	–	27	215	228	187	345	435	159	134	62	41.9
Sawyers	–	150	–	10	26	11	18	28	38	9	6	4	38.6
Stationary firemen	–	254	–	–	27	20	16	40	69	39	29	14	48.5
Textile operatives	–	118	–	9	–	16	23	11	28	21	6	4	45.0
Welders and flamecutters	–	1 389	3	25	118	209	178	281	382	106	74	13	40.7
Other metalworking operatives	–	1 153	14	33	128	153	118	184	294	110	83	36	42.1
Other specified operatives	10	2 650	60	134	274	337	283	459	585	187	168	163	40.2
Miscellaneous and not specified operatives	10	6 102	63	221	653	800	702	1 265	1 368	513	404	113	39.8
Occupation:													
Machine operatives, miscellaneous specified	5	2 370	19	108	253	335	257	417	545	219	183	34	40.1
Machine operatives, not specified	–	1 811	13	42	164	287	204	414	393	153	112	29	39.7
Miscellaneous operatives	5	1 271	31	53	171	97	128	285	321	83	62	40	40.5
Not specified operatives	–	650	–	18	65	81	113	149	109	58	47	10	38.2
Industry:													
Manufacturing	5	5 432	42	160	546	704	624	1 150	1 275	464	374	93	40.6
Durable goods	–	3 521	30	88	275	438	402	808	843	328	226	83	41.5
Wood products, including furniture	–	132	10	5	6	15	8	39	20	16	9	4	40.6
Primary metal industries	–	602	–	11	42	23	96	147	156	67	45	15	43.8
Fabricated metal industries	–	179	6	15	9	20	23	43	45	3	15	–	38.8
Machinery, including electrical	–	1 360	–	27	98	224	129	302	329	163	65	23	41.7
Motor vehicles and equipment	–	566	5	–	24	89	67	139	178	26	28	10	42.1
Transportation equipment, except motor vehicles	–	10	–	–	–	–	–	4	–	–	6	–	...
Other durable goods	–	672	9	30	96	67	79	134	115	53	58	31	39.1
Nondurable goods	5	1 879	12	72	265	266	210	338	422	136	148	10	38.4
Food and kindred products	5	594	5	33	100	64	41	94	133	57	62	5	40.7
Apparel and other fabricated textile products	–	17	–	4	–	–	5	–	8	–	–	–	...
Paper and allied products	–	504	–	29	49	80	65	94	120	22	45	–	38.1
Chemicals and allied products	–	573	–	6	91	73	65	131	128	42	32	5	38.9
Other nondurable goods	–	191	7	–	25	49	34	19	33	15	9	–	32.1
Not specified manufacturing industries	–	32	–	–	6	–	12	4	10	–	–	–	...
Nonmanufacturing industries	5	670	21	61	107	96	78	115	93	49	30	20	33.2
Transportation, communications, and other public utilities	–	110	–	14	13	15	15	23	19	3	8	–	34.3
Wholesale and retail trade	–	249	16	12	48	33	25	47	25	25	11	7	33.1
All other industries	5	311	5	35	46	48	38	45	49	21	11	13	32.8
Transport equipment operatives	**37**	**8 462**	**54**	**248**	**886**	**970**	**1 046**	**2 134**	**1 774**	**608**	**541**	**201**	**39.8**
Bus drivers	–	607	–	4	9	24	63	102	222	79	76	28	49.6
Taxicab drivers and chauffeurs	–	320	–	9	32	18	30	72	93	4	34	28	44.9
Truck drivers and deliverymen	–	5 668	54	164	569	668	789	1 555	1 063	400	307	99	38.8
Other transport equipment operatives	37	1 867	–	71	276	260	164	405	396	125	124	46	39.0
Laborers, except farm	**204**	**7 882**	**790**	**1 125**	**1 161**	**752**	**611**	**1 192**	**1 131**	**459**	**407**	**254**	**30.9**
Construction laborers	5	1 404	34	85	165	219	153	326	249	66	87	20	36.4
Freight, stock, and material handlers	100	3 551	625	638	562	296	200	465	428	164	117	56	24.6
Other specified laborers	74	1 765	102	268	261	145	170	242	252	102	99	124	33.1
Miscellaneous and not specified laborers	25	1 162	29	134	173	92	88	159	202	127	104	54	39.1
Occupation:													
Miscellaneous laborers	9	394	4	21	60	19	51	80	72	25	48	14	40.3
Not specified laborers	16	768	25	113	113	73	37	79	130	102	56	40	37.9
Industry:													
Manufacturing	6	616	–	61	104	62	39	65	135	76	55	19	41.5
Durable goods	–	416	–	38	73	33	27	33	118	43	36	15	45.3
Wood products, including furniture	–	42	–	4	–	10	–	5	6	11	–	6	...
Metal industries	–	189	–	8	42	9	11	22	49	27	16	5	45.5
Machinery, including electrical	–	86	–	15	19	6	–	6	31	–	9	–	...
Transportation equipment	–	23	–	4	9	–	5	–	5	–	–	–	...
Other durable goods	–	76	–	7	3	8	11	–	27	5	11	4	...
Nondurable goods	6	200	–	23	31	29	12	32	17	33	19	4	36.6
Food and kindred products	6	83	–	15	3	6	–	27	7	12	13	–	...
Not specified manufacturing industries	–	–	–	–	–	–	–	–	–	–	–	–	–
Nonmanufacturing industries	19	546	29	73	69	30	49	94	67	51	49	35	37.4
Railroads and railway express service	–	75	–	–	–	–	–	28	–	18	25	4	...
Transportation, except railroads	–	24	–	–	–	4	6	14	–	–	–	–	...
Communications, and utilities and sanitary services	4	89	–	9	23	–	10	21	5	12	4	5	...
Wholesale and retail trade	5	159	19	22	5	17	27	10	28	5	11	15	33.1
All other industries	10	199	10	42	41	9	6	21	34	16	9	11	28.6
Farmers and farm managers	**10**	**2 328**	**11**	**44**	**139**	**193**	**144**	**417**	**581**	**314**	**186**	**299**	**48.7**
Farm laborers and farm foremen	**160**	**1 248**	**215**	**230**	**189**	**158**	**81**	**108**	**118**	**17**	**57**	**75**	**24.7**
Paid farm laborers and farm foremen	134	1 140	174	206	174	149	81	103	118	17	54	64	25.5
Unpaid family workers	26	108	41	24	15	9	–	5	–	–	3	11	19.1
Service workers, except private household[1]	**253**	**12 691**	**1 048**	**1 162**	**1 612**	**891**	**820**	**1 557**	**2 271**	**1 259**	**1 023**	**1 048**	**40.2**
Cleaning service workers	73	4 367	282	334	402	209	158	500	926	614	516	426	48.2
Food service workers	109	3 104	674	564	511	131	109	227	339	236	165	148	23.1
Cooks, except private household	14	902	162	157	138	42	37	59	153	72	25	57	24.8
Busboys and dishwashers	64	778	329	185	108	39	4	23	21	19	22	28	18.6
Health service workers	6	322	27	37	87	42	14	36	31	26	13	9	26.2
Personal service workers	22	1 125	59	83	121	84	126	144	177	89	114	128	41.2
Protective service workers	5	2 709	–	26	199	344	345	476	651	224	160	284	44.3
Firemen, fire protection	–	553	–	–	17	67	108	149	176	29	7	–	40.7
Guards and watchmen	–	1 089	–	16	77	56	101	120	274	130	98	217	51.4
Policemen and detectives	5	896	–	10	86	184	129	203	171	43	32	38	36.9
Private household workers	**16**	**55**	**24**	**9**	–	–	–	**4**	–	–	**5**	**13**	...

[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
SYRACUSE SMSA—Continued													
Total—Continued													
Female employed	691	92 639	2 703	5 096	14 346	8 664	6 739	17 502	20 263	8 160	5 353	3 813	40.0
Professional, technical, and kindred workers	38	16 180	29	199	3 291	2 627	1 475	3 014	2 817	1 349	897	482	36.6
Accountants	–	626	–	14	109	65	19	127	150	84	49	9	43.3
Computer specialists	–	182	–	–	77	40	40	14	5	6	–	–	26.8
Librarians	5	429	–	18	41	58	17	65	123	33	52	22	46.3
Mathematical specialists	–	36	–	6	7	10	–	–	–	7	–	6	...
Life and physical scientists	–	113	–	–	27	27	6	17	31	–	5	–	32.1
Registered nurses, dietitians, and therapists	–	3 266	–	5	641	446	308	643	634	283	206	100	38.6
Dietitians	–	81	–	–	–	26	–	17	28	–	5	5	...
Registered nurses	–	3 058	–	5	593	415	304	592	584	274	201	90	38.6
Health technologists and technicians	–	535	–	12	275	86	25	39	75	23	–	–	24.6
Social scientists	–	106	–	5	7	13	22	24	17	13	5	–	37.5
Social and recreation workers	4	639	–	31	144	112	34	99	108	52	45	14	34.8
Teachers: College and university	–	737	–	10	140	133	70	218	55	46	33	32	35.7
Elementary and prekindergarten	25	4 563	7	4	864	798	489	818	739	435	290	119	36.5
Secondary	–	1 965	–	5	383	365	196	350	412	120	76	58	36.0
Other teachers	–	427	–	18	56	48	41	74	82	14	48	46	41.8
Engineering and science technicians	–	352	–	13	86	64	30	30	71	35	14	9	32.2
Technicians, except health, and engineering and science	–	15	–	–	10	–	–	5	–	–	–	–	...
Writers, artists, and entertainers	4	627	17	30	113	84	50	145	82	76	16	14	36.3
Actors and dancers	–	32	–	–	15	8	–	4	–	5	–	–	...
Authors, editors, and reporters	–	105	–	–	23	14	11	17	11	19	–	10	37.6
Other professional, technical, and kindred workers	–	1 562	5	28	311	278	128	346	233	122	58	53	35.9
Managers and administrators, except farm	–	2 883	4	19	209	130	152	561	978	401	208	221	48.7
Buyers, purchasing agents, and sales managers	–	504	–	15	62	28	9	86	154	89	15	46	48.4
Restaurant, cafeteria, and bar managers	–	256	–	–	6	10	10	59	105	35	20	11	49.1
School administrators	–	188	–	–	10	6	9	35	60	25	38	5	50.7
Other specified managers and administrators	–	635	–	–	36	5	33	174	223	88	32	44	48.1
Managers and administrators, n.e.c., salaried	–	1 033	4	4	91	76	87	173	334	135	63	66	47.4
Wholesale and retail trade	–	323	4	4	36	14	11	58	128	45	5	18	47.7
Managers and administrators, n.e.c., self-employed	–	267	–	–	4	5	4	34	102	29	40	49	53.5
Wholesale and retail trade	–	157	–	–	–	–	–	14	59	10	34	40	57.8
Sales workers	66	7 350	683	615	679	429	317	1 278	1 642	689	546	472	42.4
Demonstrators, hucksters, and peddlers	–	296	4	5	31	50	47	69	32	14	19	25	36.6
Insurance, real estate agents, and brokers	–	621	–	10	66	69	39	119	128	86	69	35	45.6
Sales clerks, retail trade	9	5 126	605	523	393	177	154	879	1 182	515	388	310	43.1
Salesmen, retail trade	–	134	–	5	21	–	13	4	54	14	5	18	49.4
Other sales workers	57	1 173	74	72	168	133	64	207	246	60	65	84	38.6
Clerical and kindred workers	69	35 951	945	2 912	7 075	3 284	2 643	6 699	7 236	2 592	1 548	1 017	36.7
Bank tellers	–	643	6	33	143	67	48	162	150	4	26	4	36.5
Bookkeepers	–	4 271	19	138	504	341	303	840	1 191	489	296	150	44.9
Cashiers	10	2 467	421	285	272	147	149	450	482	128	81	52	33.6
Counter clerks, except food	–	491	20	37	86	53	40	94	82	25	37	17	36.0
Enumerators and interviewers	–	158	4	–	15	20	15	43	46	4	5	6	40.8
File clerks	17	1 101	73	170	263	63	30	139	183	78	70	32	28.5
Office machine operators	–	1 571	18	166	498	161	151	255	209	50	40	23	28.2
Bookkeeping and billing machine operators	–	174	–	10	45	11	4	29	40	11	13	11	40.9
Keypunch operators	–	985	6	127	347	122	104	140	108	20	11	–	25.5
Payroll and timekeeping clerks	–	457	–	7	52	15	48	150	97	58	20	10	42.1
Receptionists	–	845	14	129	183	73	42	143	149	40	28	44	32.8
Secretaries	–	10 071	72	596	2 177	1 213	870	1 808	2 051	647	347	290	35.6
Stenographers	–	452	7	29	113	36	24	42	103	55	18	25	39.0
Telephone operators	–	1 327	61	189	192	90	81	291	241	75	65	42	36.7
Typists	9	3 259	67	352	788	227	192	646	600	235	100	52	35.1
Other clerical and kindred workers	33	8 838	163	781	1 789	778	650	1 636	1 652	704	415	270	36.6
Craftsmen and kindred workers	4	1 545	14	27	129	132	87	390	466	160	88	52	44.8
Foremen, n.e.c	–	414	–	–	6	51	38	108	140	22	26	23	45.3
Operatives, except transport	13	10 949	95	210	872	813	872	2 340	3 271	1 347	770	359	45.8
Assemblers	–	2 233	5	15	131	178	169	509	784	239	140	63	46.4
Bottling and canning operatives	–	34	–	–	–	–	–	15	14	5	–	–	...
Checkers, examiners, and inspectors, manufacturing	–	1 130	–	10	56	56	117	210	421	181	50	29	47.8
Dressmakers and seamstresses, except factory	–	199	–	10	6	–	15	58	30	34	39	7	48.5
Laundry and dry cleaning operatives, including ironers	–	592	16	14	38	46	48	154	150	76	23	27	43.7
Graders and sorters, manufacturing	–	21	–	–	–	5	–	5	–	11	–	–	...
Packers and wrappers, except produce	–	1 332	36	27	141	113	84	308	371	144	76	32	43.6
Sewers and stitchers	–	744	7	7	19	36	26	117	188	172	130	42	53.5
Textile operatives	–	69	–	–	11	4	–	9	27	14	–	4	...
Other specified operatives	4	2 037	20	74	197	150	166	386	522	237	194	91	45.5
Miscellaneous and not specified operatives	9	2 558	11	53	273	225	247	569	764	234	118	64	43.3
Manufacturing	9	2 324	5	32	255	214	238	518	691	221	101	49	43.1
Durable goods	9	1 450	5	26	132	152	155	308	452	136	64	20	43.3
Machinery, including electrical	9	628	5	–	34	89	100	152	185	44	16	3	40.7
Other durable goods	–	822	–	26	98	63	55	156	267	92	48	17	45.5
Nondurable goods, including not specified manufacturing	–	874	–	6	123	62	83	210	239	85	37	29	42.8
Food and kindred products	–	168	–	–	20	15	4	67	33	20	5	4	41.7
Apparel and other fabricated textile products	–	9	–	–	–	–	–	6	–	–	3	–	...
Nonmanufacturing industries	–	234	6	21	18	11	9	51	73	13	17	15	45.1
Transport equipment operatives	–	481	6	–	19	45	55	141	139	70	–	6	43.2
Laborers, except farm	32	809	62	38	129	46	58	127	187	58	66	38	40.6
Farmers and farm managers	–	137	4	–	18	9	17	25	27	11	19	7	43.2
Farm laborers and farm foremen	11	266	15	31	23	11	32	55	59	28	3	9	38.8
Paid farm laborers and farm foremen	11	174	9	11	12	6	17	53	45	16	–	5	41.0
Unpaid family workers	–	92	6	20	11	5	15	2	14	12	3	4	...
Service workers, except private household[1]	150	14 284	655	987	1 780	1 064	970	2 667	3 090	1 245	1 002	824	41.3
Cleaning service workers	16	1 945	43	13	81	115	101	391	470	320	226	185	49.9
Chambermaids and maids	6	497	26	5	39	12	33	71	131	95	45	40	49.8
Food service workers	42	6 147	373	546	486	340	386	1 334	1 465	480	434	303	42.1
Cooks, except private household	–	1 332	20	71	22	21	42	269	434	139	192	122	50.1
Waiters and food counter workers	23	3 645	243	386	412	268	285	850	748	217	159	77	37.7
Health service workers	16	2 739	130	238	581	239	190	423	439	213	156	130	34.8
Nursing aides, orderlies, and attendants	11	1 440	87	155	244	83	111	222	255	125	91	67	36.8
Practical nurses	–	780	–	21	201	95	69	108	112	66	59	49	35.4
Personal service workers	20	2 079	58	129	449	221	174	258	418	115	111	146	35.3
Hairdressers and cosmetologists	–	1 215	9	78	330	151	79	115	290	58	32	73	32.5
Private household workers	308	1 804	191	58	122	74	61	205	351	210	206	326	50.4
Private household workers, living in	–	180	–	–	25	6	5	36	22	26	15	45	53.2
Private household workers, living out	308	1 624	191	58	97	68	56	169	329	184	191	281	50.3

[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
UTICA–ROME SMSA												
Total												
Male employed	**713**	**76 890**	**1 779**	**2 490**	**7 751**	**8 343**	**7 610**	**15 320**	**17 708**	**7 541**	**4 962**	**3 386**	**41.8**
Professional, technical, and kindred workers	**17**	**11 957**	**4**	**91**	**1 342**	**1 821**	**1 656**	**2 905**	**2 570**	**676**	**569**	**323**	**38.7**
Accountants	–	602	–	–	51	91	76	109	158	40	52	25	42.6
Architects	–	24	–	–	–	–	4	5	9	–	6	–	...
Computer specialists	–	411	–	–	66	114	83	99	39	10	–	–	31.5
Engineers	–	2 615	–	–	191	335	284	937	634	81	124	29	40.3
Aeronautical and astronautical	–	38	–	–	4	–	–	19	12	3	–	–	...
Civil	–	269	–	–	11	33	29	114	56	7	5	14	40.4
Electrical and electronic	–	1 076	–	–	79	161	135	387	229	32	48	5	39.2
Mechanical	–	262	–	–	23	21	27	85	64	15	27	–	42.1
Other engineers	–	970	–	–	74	120	93	332	273	24	44	10	41.0
Lawyers and judges	–	435	–	–	–	55	28	88	115	48	50	51	49.0
Life and physical scientists	–	177	–	–	21	14	57	35	42	4	4	–	34.7
Chemists	–	71	–	–	3	4	20	20	16	4	4	–	...
Physicians, dentists, and related practitioners	–	761	–	–	7	71	49	184	220	86	65	79	48.2
Dentists	–	179	–	–	–	6	21	43	73	20	4	12	47.7
Pharmacists	–	155	–	–	7	38	11	50	15	9	14	11	39.3
Physicians, medical and osteopathic	–	373	–	–	–	20	17	70	125	52	47	42	51.4
Other related practitioners	–	54	–	–	–	7	–	21	7	5	–	14	...
Health technologists and technicians	–	95	–	–	15	15	12	6	10	26	11	–	...
Religious workers	–	280	–	–	–	20	53	69	64	10	41	23	44.7
Social scientists	–	96	–	–	–	–	28	39	19	10	–	–	...
Social and recreation workers	9	217	–	7	36	41	29	54	15	5	16	14	34.2
Teachers	–	2 056	–	17	398	404	345	376	342	85	51	38	33.0
College and university	–	318	–	5	40	42	56	57	82	15	21	–	37.8
Elementary and prekindergarten	–	516	–	–	169	97	59	67	68	19	9	28	29.6
Secondary	–	1 044	–	–	173	245	192	223	148	42	16	5	32.7
Engineering and science technicians	3	1 799	–	24	270	355	242	405	348	105	44	6	35.2
Draftsmen and surveyors	3	503	–	20	109	114	80	112	35	16	17	–	30.5
Electrical and electronic engineering technicians	–	895	–	4	92	177	131	212	213	43	17	6	37.1
Technicians, except health, and engineering and science	–	269	–	–	13	36	83	68	69	–	–	–	35.4
Airplane pilots	–	140	–	–	–	11	57	38	34	–	–	–	35.5
Writers, artists, and entertainers	5	694	–	21	123	118	59	129	158	42	16	28	37.0
Other professional, technical, and kindred workers	–	1 426	4	22	151	152	224	302	328	124	89	30	40.3
Managers and administrators, except farm	–	**7 291**	–	**48**	**355**	**566**	**674**	**1 815**	**1 998**	**874**	**489**	**472**	**45.9**
Buyers, purchasing agents, and sales managers	–	1 107	–	6	73	133	138	277	245	133	71	31	42.3
School administrators	–	242	–	–	4	5	11	86	74	26	23	13	47.0
Specified managers and administrators, public administration	–	601	–	6	–	13	34	155	242	70	32	49	48.8
Other specified managers and administrators	–	1 131	–	14	90	128	111	223	285	117	83	80	45.0
Managers and administrators, n.e.c., salaried	–	3 128	–	22	166	207	324	827	884	355	179	164	45.2
Manufacturing	–	1 024	–	–	8	34	108	298	365	117	67	27	46.8
Wholesale and retail trade	–	1 004	–	13	100	105	129	216	197	137	51	56	42.2
Transportation, communications, and other public utilities	–	184	–	–	–	–	11	53	59	32	16	13	49.7
All other industries	–	916	–	9	58	68	76	260	263	69	45	68	44.5
Managers and administrators, n.e.c., self-employed	–	1 082	–	–	22	80	56	247	268	173	101	135	50.1
Construction	–	167	–	–	–	15	11	52	43	19	12	15	46.3
Manufacturing	–	65	–	–	–	–	5	10	17	10	9	14	...
Wholesale and retail trade	–	684	–	–	16	55	40	150	175	118	58	72	49.6
All other industries	–	166	–	–	6	10	–	35	33	26	22	34	54.7
Sales workers	**348**	**4 734**	**229**	**142**	**471**	**528**	**438**	**881**	**978**	**399**	**275**	**393**	**41.3**
Insurance agents, brokers, and underwriters	10	625	–	–	68	78	35	150	165	51	31	47	43.8
Real estate agents and brokers	–	168	–	–	4	6	5	34	71	3	9	36	49.9
Sales representatives, manufacturing industries	–	526	–	–	16	76	64	166	101	51	25	27	41.4
Sales representatives, wholesale trade	6	849	–	13	57	87	116	165	213	95	55	48	44.2
Sales clerks, retail trade	7	1 217	88	89	159	141	86	144	179	105	102	124	38.2
Salesmen, retail trade	–	576	–	10	91	54	79	109	102	45	28	58	40.0
Salesmen of services and construction	–	236	–	5	14	21	21	37	76	27	19	16	47.6
Other sales workers	325	537	141	25	62	65	32	76	71	22	6	37	28.1
Clerical and kindred workers	**14**	**6 076**	**144**	**287**	**865**	**635**	**474**	**1 107**	**1 400**	**550**	**359**	**255**	**40.7**
Bank tellers and cashiers	–	236	44	26	62	28	17	28	23	–	–	8	23.9
Bookkeepers and billing clerks	–	569	–	11	87	63	22	127	132	53	35	39	43.0
Mail handlers and postal clerks	–	827	–	26	73	75	55	225	246	79	35	13	43.2
Other clerical and kindred workers	14	4 444	100	224	643	469	380	727	999	418	289	195	40.6
Craftsmen and kindred workers	**4**	**16 172**	**85**	**251**	**1 175**	**1 759**	**1 666**	**3 514**	**4 235**	**1 811**	**1 165**	**511**	**44.0**
Apparel craftsmen and upholsterers	–	101	–	–	7	11	–	5	25	21	8	24	55.6
Bakers	–	164	–	14	15	16	11	28	29	24	17	10	44.3
Cabinetmakers	–	92	–	–	13	–	–	17	31	11	5	15	...
Construction craftsmen	–	3 698	17	61	253	363	389	833	988	348	281	165	44.2
Carpenters	–	1 230	6	31	63	133	102	336	275	94	117	73	43.3
Excavating, grading, and road machine operators	–	526	3	5	36	44	72	140	138	54	24	10	42.4
Electricians	–	647	–	3	49	60	88	126	174	65	52	30	44.8
Masons and tile setters	–	233	–	–	25	25	25	56	83	14	5	–	42.4
Painters, construction and maintenance, and paperhangers	–	347	4	17	36	24	32	72	76	32	16	38	43.4
Plasterers and cement finishers	–	59	–	–	3	14	6	13	23	–	–	–	...
Plumbers and pipe fitters	–	449	–	–	13	56	38	49	159	68	52	14	49.3
Other construction craftsmen	–	207	4	5	28	7	26	41	60	21	15	–	43.2
Foremen, n.e.c	–	2 728	7	–	51	230	315	658	856	366	196	49	46.2
Manufacturing	–	1 824	3	–	4	172	226	444	581	267	112	15	46.1
Nonmanufacturing industries	–	904	4	–	47	58	89	214	275	99	84	34	46.5
Linemen and servicemen, telephone and power	–	524	–	–	73	53	82	167	107	32	10	–	38.2
Locomotive engineers and firemen	–	54	–	–	–	5	5	11	23	–	10	–	...
Mechanics and repairmen	4	4 322	33	90	360	614	508	976	1 048	404	199	90	40.7
Air conditioning, heating, and refrigeration	–	235	–	–	12	15	24	52	79	37	6	10	46.8
Aircraft	–	338	–	–	30	47	30	104	103	20	4	–	41.0
Automobile, including body	4	1 489	10	42	196	221	163	334	325	137	46	15	38.4
Radio and television	–	266	–	4	14	57	63	69	39	15	5	–	34.6
Other mechanics and repairmen	–	1 994	23	44	108	274	228	417	502	195	138	65	42.7
Metal craftsmen, except mechanics	–	2 344	5	45	207	279	127	354	714	326	221	66	47.2
Machinists and job and die setters	–	934	5	19	102	139	27	167	256	105	88	26	45.3
Sheetmetal workers and tinsmiths	–	202	–	5	11	20	8	50	72	22	14	–	46.0
Tool and die makers	–	609	–	11	57	44	38	38	238	88	77	18	49.9
Other metal craftsmen	–	599	–	10	37	76	54	99	148	111	42	22	46.6
Printing craftsmen	–	429	3	28	57	35	43	126	63	35	35	4	38.8
Compositors and typesetters	–	229	–	12	28	21	24	60	38	19	23	4	39.9
Pressmen and plate printers, printing	–	158	3	6	19	14	19	56	25	16	–	–	38.2
Stationary engineers and power station operators	–	208	–	–	–	10	16	22	60	45	33	22	54.3
Other craftsmen and kindred workers	–	1 508	20	13	139	143	170	317	291	199	150	66	43.5

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
UTICA-ROME SMSA—Continued													
Total—Continued													
Male employed—Continued													
Operatives, except transport	**55**	**12 707**	**193**	**490**	**1 677**	**1 529**	**1 196**	**2 006**	**3 019**	**1 336**	**946**	**315**	**41.3**
Assemblers	–	1 192	14	40	173	194	102	195	292	117	55	10	38.7
Checkers, examiners, and inspectors, manufacturing	–	1 102	–	4	138	132	131	155	299	122	91	30	44.4
Garage workers and gas station attendants	–	486	113	75	69	29	35	43	60	8	30	24	24.0
Laundry and drycleaning operatives, n.e.c	–	133	5	5	34	10	11	31	16	8	13	–	35.5
Meat cutters and butchers	–	430	–	20	30	52	44	103	89	33	31	28	41.7
Mine operatives, n.e.c	–	44	–	–	9	5	–	15	10	5	–	–	...
Packers and wrappers, except produce	–	285	6	18	34	24	26	37	77	35	24	4	44.3
Painters, manufactured articles	–	103	–	–	9	–	5	5	42	16	21	5	52.7
Precision machine operatives	7	1 422	9	59	164	248	141	193	306	143	139	20	39.7
Sawyers	–	176	–	5	21	14	12	33	42	35	8	6	45.7
Stationary firemen	–	218	–	13	36	9	19	49	36	14	37	5	41.5
Textile operatives	–	312	–	9	49	47	17	74	72	12	22	10	39.6
Welders and flamecutters	–	449	–	7	56	32	37	65	159	73	16	4	46.7
Other metalworking operatives	3	1 220	–	31	109	103	98	165	413	171	109	21	47.5
Other specified operatives	40	1 364	9	56	167	150	102	228	342	154	84	72	43.7
Miscellaneous and not specified operatives	5	3 771	37	148	579	480	416	615	764	390	266	76	38.7
Occupation:													
Machine operatives, miscellaneous specified	–	1 410	11	67	206	177	172	202	306	151	98	20	38.6
Machine operatives, not specified	–	1 283	–	38	208	224	153	196	212	136	111	5	35.9
Miscellaneous operatives	5	787	26	26	109	61	80	176	165	75	37	32	40.2
Not specified operatives	–	291	–	17	56	18	11	41	81	28	20	19	45.3
Industry:													
Manufacturing	–	3 469	16	122	559	453	406	547	693	371	249	53	38.3
Durable goods	–	2 853	9	97	434	394	332	411	602	313	220	41	38.9
Wood products, including furniture	–	126	–	5	8	21	13	8	18	18	11	24	49.4
Primary metal industries	–	1 110	9	36	169	138	105	144	277	130	102	–	41.8
Fabricated metal industries	–	226	–	5	51	32	4	31	41	31	23	8	41.8
Machinery, including electrical	–	588	–	34	92	74	94	121	72	65	36	–	35.0
Motor vehicles and equipment	–	5	–	–	–	–	–	–	5	–	–	–	...
Transportation equipment, except motor vehicles	–	211	–	–	11	11	36	44	71	22	11	5	45.5
Other durable goods	–	587	–	17	103	118	80	63	118	47	37	4	33.5
Nondurable goods	–	610	7	25	125	59	74	130	91	58	29	12	36.2
Food and kindred products	–	195	–	5	40	20	16	41	36	21	10	6	39.0
Apparel and other fabricated textile products	–	6	–	–	–	–	–	–	6	–	–	–	...
Paper and allied products	–	313	7	16	70	30	38	71	43	28	10	–	34.4
Chemicals and allied products	–	20	–	–	4	–	11	–	–	–	5	–	...
Other nondurable goods	–	76	–	4	11	9	9	18	6	9	4	6	...
Not specified manufacturing industries	–	6	–	–	–	–	–	6	–	–	–	–	...
Nonmanufacturing industries	5	302	21	26	20	27	10	68	71	19	17	23	41.9
Transportation, communications, and other public utilities	–	15	–	–	4	–	–	–	6	–	5	–	...
Wholesale and retail trade	–	72	21	16	6	6	–	8	5	5	–	5	...
All other industries	5	215	–	10	10	21	10	60	60	14	12	18	44.4
Transport equipment operatives	–	**3 899**	**41**	**107**	**430**	**381**	**434**	**831**	**920**	**438**	**209**	**108**	**41.7**
Bus drivers	–	324	–	–	37	12	26	48	80	54	42	25	49.9
Taxicab drivers and chauffeurs	–	161	–	–	34	14	–	9	36	39	4	25	51.5
Truck drivers and deliverymen	–	2 950	36	85	319	306	365	677	682	283	139	58	40.4
Other transport equipment operatives	–	464	5	22	40	49	43	97	122	62	24	–	42.5
Laborers, except farm	**54**	**4 137**	**444**	**448**	**588**	**313**	**299**	**643**	**743**	**330**	**187**	**142**	**34.6**
Construction laborers	–	741	7	48	102	59	77	138	199	66	45	–	40.6
Freight, stock, and material handlers	22	1 909	318	273	298	176	121	239	292	119	48	25	26.9
Other specified laborers	32	953	103	91	118	32	63	171	164	82	41	88	39.1
Miscellaneous and not specified laborers	–	534	16	36	70	46	38	95	88	63	53	29	41.4
Occupation:													
Miscellaneous laborers	–	210	12	12	37	15	11	50	26	26	14	7	38.6
Not specified laborers	–	324	4	24	33	31	27	45	62	37	39	22	44.6
Industry:													
Manufacturing	–	263	–	17	41	20	6	55	46	48	25	5	43.6
Durable goods	–	199	–	7	15	20	6	46	32	43	25	5	46.7
Wood products, including furniture	–	23	–	–	–	4	6	8	–	–	–	5	...
Metal industries	–	107	–	–	9	16	–	21	26	26	9	–	47.9
Machinery, including electrical	–	22	–	–	–	–	–	–	–	11	11	–	...
Transportation equipment	–	5	–	–	–	–	–	5	–	–	–	–	...
Other durable goods	–	42	–	7	6	–	–	12	6	6	5	–	...
Nondurable goods	–	64	–	10	26	–	–	9	14	5	–	–	...
Food and kindred products	–	23	–	5	5	–	–	9	4	–	–	–	...
Not specified manufacturing industries	–	–	–	–	–	–	–	–	–	–	–	–	–
Nonmanufacturing industries	–	271	16	19	29	26	32	40	42	15	28	24	38.4
Railroads and railway express service	–	9	–	–	–	5	–	–	–	4	–	–	...
Transportation, except railroads	–	20	–	–	5	5	–	5	5	–	–	–	...
Communications, and utilities and sanitary services	–	45	–	–	5	5	–	20	4	–	11	–	...
Wholesale and retail trade	–	86	4	9	19	6	17	5	–	5	11	10	...
All other industries	–	111	12	10	–	5	15	10	33	6	6	14	46.1
Farmers and farm managers	**5**	**2 041**	**5**	**25**	**81**	**170**	**132**	**419**	**532**	**295**	**169**	**213**	**48.5**
Farm laborers and farm foremen	**151**	**930**	**207**	**152**	**166**	**80**	**49**	**98**	**78**	**45**	**5**	**50**	**23.2**
Paid farm laborers and farm foremen	105	708	136	102	120	75	49	84	68	36	5	33	24.8
Unpaid family workers	46	222	71	50	46	5	–	14	10	9	–	17	19.6
Service workers, except private household[1]	**58**	**6 929**	**419**	**449**	**597**	**561**	**592**	**1 096**	**1 235**	**787**	**589**	**604**	**42.7**
Cleaning service workers	18	2 120	158	123	115	85	120	230	427	347	283	232	50.4
Food service workers	29	1 411	214	227	163	53	105	187	212	93	77	80	32.3
Cooks, except private household	5	498	68	90	31	48	51	70	39	40	31	30	31.2
Busboys and dishwashers	24	222	75	74	43	–	–	10	15	–	–	5	19.0
Health service workers	–	889	9	18	166	102	86	213	123	98	45	29	38.0
Personal service workers	–	636	16	51	58	44	43	75	133	75	42	99	47.3
Protective service workers	–	1 482	–	6	66	210	192	311	288	138	110	161	43.6
Firemen, fire protection	–	337	–	–	–	20	40	128	83	27	28	11	43.5
Guards and watchmen	–	446	–	–	25	35	6	44	95	57	61	123	56.6
Policemen and detectives	–	611	–	6	41	155	146	130	87	33	13	–	33.5
Private household workers	**7**	**17**	**8**	–	**4**	–	–	**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

UTICA–ROME 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	200	47 268	914	2 227	6 135	3 855	3 393	8 647	12 277	4 999	2 910	1 911	43.2
Professional, technical, and kindred workers	6	7 522	34	65	1 187	1 087	759	1 427	1 583	672	492	216	39.4
Accountants	–	199	11	–	21	24	18	49	61	9	6	–	40.2
Computer specialists	–	49	–	5	10	15	–	12	7	–	–	–	...
Librarians	–	200	–	10	19	23	14	15	58	33	17	11	48.3
Mathematical specialists	–	–	–	–	–	–	–	–	–	–	–	–	–
Life and physical scientists	–	12	–	–	3	–	–	4	5	–	–	–	...
Registered nurses, dietitians, and therapists	–	2 064	–	4	333	206	206	419	511	190	136	59	41.8
Dietitians	–	63	–	–	28	–	5	–	12	18	–	–	...
Registered nurses	–	1 933	–	4	289	193	194	409	489	172	124	59	42.0
Health technologists and technicians	–	387	–	22	115	69	49	59	42	11	4	16	29.1
Social scientists	–	6	–	–	–	–	6	–	–	–	–	–	...
Social and recreation workers	–	334	7	–	51	44	23	47	84	38	29	11	43.9
Teachers: College and university	–	135	–	–	11	17	25	53	22	–	–	7	37.7
Elementary and prekindergarten	6	2 222	–	5	351	418	270	396	346	235	167	34	36.7
Secondary	–	917	7	5	142	135	83	143	231	74	76	21	41.0
Other teachers	–	163	–	4	5	24	10	31	46	17	20	6	46.6
Engineering and science technicians	–	78	–	–	22	12	10	18	16	–	–	–	...
Technicians, except health, and engineering and science	–	9	–	–	–	–	5	–	–	4	–	–	...
Writers, artists, and entertainers	–	201	4	10	38	32	15	36	19	16	10	21	35.4
Actors and dancers	–	14	–	–	8	–	–	6	–	–	–	–	...
Authors, editors, and reporters	–	57	–	5	9	17	10	5	5	–	–	6	...
Other professional, technical, and kindred workers	–	546	5	–	66	68	25	145	135	45	27	30	42.5
Managers and administrators, except farm	–	1 333	3	–	69	72	106	225	443	227	76	112	49.3
Buyers, purchasing agents, and sales managers	–	176	–	–	13	14	12	15	58	37	15	12	50.9
Restaurant, cafeteria, and bar managers	–	135	3	–	–	–	30	8	62	28	4	–	49.3
School administrators	–	100	–	–	4	–	–	18	49	20	–	9	...
Other specified managers and administrators	–	319	–	–	11	36	16	65	97	46	23	25	48.2
Managers and administrators, n.e.c., salaried	–	392	–	–	30	18	31	78	133	63	11	28	47.9
Wholesale and retail trade	–	156	–	–	6	–	8	25	67	50	–	–	50.8
Managers and administrators, n.e.c., self-employed	–	211	–	–	11	4	17	41	44	33	23	38	52.4
Wholesale and retail trade	–	152	–	–	11	–	7	33	39	21	17	24	51.4
Sales workers	11	3 014	169	272	238	167	123	475	825	353	228	164	45.8
Demonstrators, hucksters, and peddlers	–	106	–	–	8	6	23	21	15	12	15	6	42.6
Insurance, real estate agents, and brokers	–	113	–	–	–	6	5	37	55	–	6	4	46.5
Sales clerks, retail trade	4	2 379	148	255	156	121	78	351	667	295	176	132	46.2
Salesmen, retail trade	–	92	–	–	14	–	–	22	29	22	–	5	...
Other sales workers	7	324	21	17	60	34	17	44	59	24	31	17	38.0
Clerical and kindred workers	9	15 702	242	1 171	2 658	1 340	1 119	3 247	3 664	1 227	676	358	39.1
Bank tellers	–	351	–	34	44	21	47	85	89	22	5	4	38.5
Bookkeepers	–	2 173	13	89	239	139	152	510	600	236	122	73	43.9
Cashiers	–	1 173	107	167	145	100	85	221	255	48	41	4	34.0
Counter clerks, except food	–	165	–	10	16	4	9	35	50	17	5	19	46.7
Enumerators and interviewers	–	18	–	–	–	–	5	5	8	–	–	–	...
File clerks	–	527	10	83	130	48	26	63	87	53	20	7	29.2
Office machine operators	–	684	–	37	136	68	27	186	146	46	33	5	39.0
Bookkeeping and billing machine operators	–	120	–	3	16	20	4	21	28	17	11	–	43.1
Keypunch operators	–	354	–	18	86	21	23	90	77	17	22	–	38.2
Payroll and timekeeping clerks	–	301	4	5	32	16	16	74	87	51	9	7	45.4
Receptionists	–	371	5	42	51	29	14	98	61	39	14	18	39.5
Secretaries	–	4 050	21	228	966	458	344	684	868	244	159	78	35.1
Stenographers	–	435	10	27	92	20	40	94	97	23	22	10	38.0
Telephone operators	–	602	36	50	83	49	38	166	106	29	18	27	37.7
Typists	–	1 442	13	163	246	109	87	298	372	93	38	23	38.5
Other clerical and kindred workers	9	3 410	23	236	478	279	229	728	838	326	190	83	41.3
Craftsmen and kindred workers	5	692	–	13	72	26	14	143	212	114	45	53	48.7
Foremen, n.e.c.	–	111	–	–	5	–	–	20	45	23	5	13	51.8
Operatives, except transport	10	7 784	34	165	616	452	549	1 361	2 709	1 104	582	212	47.6
Assemblers	–	1 737	7	–	144	114	126	348	655	233	101	9	47.0
Bottling and canning operatives	–	9	–	–	–	–	–	5	4	–	–	–	...
Checkers, examiners, and inspectors; manufacturing	–	868	–	5	67	40	55	131	378	103	80	9	48.6
Dressmakers and seamstresses, except factory	–	88	–	–	6	3	14	9	15	20	5	16	...
Laundry and dry cleaning operatives, including ironers	–	543	11	5	13	19	44	84	176	95	57	39	50.4
Graders and sorters, manufacturing	–	37	–	–	–	–	–	5	16	12	–	4	...
Packers and wrappers, except produce	–	568	–	13	43	28	24	162	210	54	34	–	45.7
Sewers and stitchers	–	1 188	4	38	47	63	32	168	406	264	111	55	51.0
Textile operatives	–	378	–	5	27	56	43	57	119	34	19	18	45.1
Other specified operatives	6	1 238	12	52	162	61	127	200	342	149	89	44	45.1
Miscellaneous and not specified operatives	4	1 130	–	47	107	68	84	192	388	140	86	18	46.7
Manufacturing	4	1 063	–	43	102	62	78	188	364	135	79	12	46.6
Durable goods	4	593	–	14	44	49	50	129	232	38	37	–	45.5
Machinery, including electrical	–	249	–	14	22	16	12	76	89	20	–	–	43.0
Other durable goods	4	344	–	–	22	33	38	53	143	18	37	–	46.8
Nondurable goods, including not specified manufacturing	–	470	–	29	58	13	28	59	132	97	42	12	48.6
Food and kindred products	–	59	–	–	3	–	–	5	20	31	–	–	...
Apparel and other fabricated textile products	–	118	–	10	6	–	–	14	32	25	25	6	54.1
Nonmanufacturing industries	–	67	–	4	5	6	6	4	24	5	7	6	...
Transport equipment operatives	–	142	–	5	16	5	32	45	24	9	–	6	37.9
Laborers, except farm	–	317	4	6	38	23	27	40	89	43	35	12	47.3
Farmers and farm managers	–	289	4	–	13	9	11	59	113	26	15	39	49.3
Farm laborers and farm foremen	4	241	18	6	26	33	11	50	55	29	3	10	40.3
Paid farm laborers and farm foremen	4	68	18	6	6	23	–	5	–	4	–	6	...
Unpaid family workers	–	173	–	–	20	10	11	45	55	25	3	4	45.1
Service workers, except private household[1]	48	9 221	290	497	1 156	590	623	1 508	2 372	1 030	636	519	44.6
Cleaning service workers	–	981	6	36	46	27	44	103	335	150	116	118	51.8
Chambermaids and maids	–	280	–	26	27	10	18	27	79	25	31	37	49.1
Food service workers	20	3 333	192	212	250	199	220	652	853	372	214	169	44.1
Cooks, except private household	–	848	12	10	22	21	46	173	278	136	76	74	50.0
Waiters and food counter workers	4	1 740	130	155	186	156	138	342	353	159	74	47	38.1
Health service workers	–	2 992	53	163	503	192	212	516	742	327	163	121	42.2
Nursing aides, orderlies, and attendants	–	2 158	24	97	328	124	163	384	568	263	111	96	43.9
Practical nurses	–	524	–	23	111	53	39	66	125	35	47	25	40.5
Personal service workers	10	1 300	32	75	269	134	77	162	298	100	95	58	38.9
Hairdressers and cosmetologists	–	715	–	36	177	96	54	96	137	57	31	31	34.5
Private household workers	107	1 011	116	27	46	51	19	67	188	165	122	210	54.5
Private household workers, living in	–	127	–	5	–	11	5	5	21	20	26	34	59.1
Private household workers, living out	107	884	116	22	46	40	14	62	167	145	96	176	53.5

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