TABLE 217. DETAILED OCCUPATION OF THE EXPERIENCED CIVILIAN LABOR FORCE AND EMPLOYED PERSONS BY SEX: 1980 AND 1970

[DATA ARE ESTIMATES BASED ON A SAMPLE; SEE INTRODUCTION. FOR MEANING OF SYMBOLS, SEE INTRODUCTION. FOR DEFINITIONS OF TERMS, SEE APPENDIXES A AND B]

MICHIGAN

	1980						1970			
	EXPERIENCED CIVILIAN LABOR FORCE		EMPLOYED				EXPERIENCED CIVILIAN LABOR FORCE		EMPLOYED	
					USUALLY WORKED FULL TIME IN 1979					
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
PERSONS 16 YEARS AND OVER	2 458 373	1 732 329	2 181 242	1 569 490	1 923 166	1 018 833	2 203 876	1 238 577	2 089 004	1 163 826
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS	499 675	326 140	487 584	315 471	452 252	228 513	385 552	190 674	379 935	186 897
EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS	250 985	104 892	244 022	100 072	232 922	82 556	183 733	37 647	181 379	36 752
LEGISLATORS, CHIEF EXECUTIVES AND GENERAL ADMINISTRATORS; PUBLIC ADMINISTRATION	1 569	511	1 536	491	1 346	312	386	-	383	-
ADMINISTRATORS AND OFFICIALS, PUBLIC ADMINISTRATION	6 338	3 837	6 173	3 709	5 767	2 845	6 163	1 757	6 108	1 745
FEDERAL	1 282	578	1 267	553	1 214	488	1 625	319	1 602	319
STATE	1 982	798	1 965	759	1 932	709	1 655	128	1 643	126
LOCAL	3 074	2 461	2 941	2 397	2 621	1 648	2 883	1 310	2 863	1 300
ADMINISTRATORS, PROTECTIVE SERVICES	750	85	742	85	708	63	982	-	974	-
FINANCIAL MANAGERS	10 030	5 386	9 904	5 299	9 723	4 927	5 983	1 353	5 950	1 337
PERSONNEL AND LABOR RELATIONS MANAGERS	6 054	2 805	5 867	2 672	5 686	2 351	2 259	467	2 225	451
PURCHASING MANAGERS	2 052	435	2 026	430	1 993	385	1 665	152	1 642	150
MANAGERS, MARKETING, ADVERTISING, AND PUBLIC RELATIONS	21 674	4 398	21 166	4 160	20 653	3 478	14 964	1 413	14 796	1 390
ADMINISTRATORS, EDUCATION AND RELATED FIELDS	10 621	5 364	10 529	5 239	10 113	4 068	6 921	2 477	6 882	2 458
MANAGERS, MEDICINE AND HEALTH	2 057	1 927	2 029	1 887	1 951	1 679	853	1 346	850	1 323
MANAGERS, PROPERTIES AND REAL ESTATE	3 369	2 358	3 208	2 195	2 806	1 591	2 457	1 007	2 436	1 000
POSTMASTERS AND MAIL SUPERINTENDENTS	582	315	564	308	560	267	841	208	826	208
FUNERAL DIRECTORS	1 338	113	1 318	106	1 201	85	1 340	41	1 334	41
MANAGERS AND ADMINISTRATORS, N.E.C., SALARIED	110 485	39 473	106 965	37 092	102 596	30 498	71 103	11 679	70 116	11 275
CONSTRUCTION	5 792	622	5 333	567	5 101	503	4 583	190	4 426	175
MANUFACTURING	38 092	3 736	37 415	3 544	36 694	3 253	27 852	1 201	27 552	1 181
NONDURABLE GOODS	9 423	1 249	9 295	1 186	9 052	1 029	11 849	568	11 721	559
DURABLE GOODS	28 669	2 487	28 120	2 358	27 642	2 224	16 003	633	15 831	622
TRANSPORTATION	4 652	730	4 514	682	4 437	641	2 574	257	2 549	246
COMMUNICATIONS, UTILITIES AND SANITARY SERVICES	2 927	1 173	2 912	1 144	2 851	1 099	2 631	309	2 620	306
WHOLESALE TRADE	8 930	1 715	8 775	1 623	8 560	1 392	4 611	538	4 583	538
RETAIL TRADE	21 749	12 362	20 692	11 437	19 280	9 189	9 337	3 578	9 157	3 431
GENERAL MERCHANDISE STORES	1 515	1 095	1 472	1 025	1 354	950	515	306	508	302
FOOD, BAKERY, AND DAIRY STORES	2 259	769	2 220	751	2 133	605	413	58	408	55
AUTOMOTIVE DEALERS AND GASOLINE STATIONS	2 682	813	2 548	740	2 502	686	250	117	246	110
EATING AND DRINKING PLACES	9 747	6 600	9 047	5 958	8 102	4 528	6 427	2 570	6 278	2 456
OTHER RETAIL TRADE	5 546	3 085	5 405	2 963	5 189	2 420	1 732	527	1 717	508
FINANCE, INSURANCE, AND REAL ESTATE	5 152	3 002	5 069	2 827	4 956	2 574	5 333	872	5 282	864
BUSINESS AND REPAIR SERVICES	5 470	1 895	5 301	1 780	5 111	1 451	3 406	407	3 342	394
PERSONAL SERVICES	2 521	1 878	2 313	1 730	2 107	1 283	2 604	1 185	2 555	1 103
ALL OTHER INDUSTRIES	15 200	12 360	14 641	11 758	13 499	9 113	8 172	3 142	8 050	3 037
MANAGERS AND ADMINISTRATORS, N.E.C., SELF-EMPLOYED	13 746	4 862	13 286	4 732	12 002	3 049	15 738	2 229	15 410	2 180
CONSTRUCTION	1 957	50	1 781	50	1 603	7	3 138	88	2 990	78
MANUFACTURING	1 846	224	1 803	218	1 614	134	4 641	537	4 593	531
NONDURABLE GOODS	704	127	694	121	596	68	2 975	402	2 952	397
DURABLE GOODS	1 142	97	1 109	97	1 018	66	1 666	135	1 641	134
TRANSPORTATION	405	71	400	71	380	56	571	27	551	27
COMMUNICATIONS, UTILITIES AND SANITARY SERVICES	55	6	55	6	45	6	56	11	56	11
WHOLESALE TRADE	486	153	486	153	436	89	808	122	800	122
RETAIL TRADE	5 134	2 486	5 023	2 425	4 603	1 694	1 170	93	1 159	91
GENERAL MERCHANDISE STORES	41	19	41	19	38	17	64	-	62	-
FOOD, BAKERY, AND DAIRY STORES	490	177	478	177	456	132	80	17	79	16
AUTOMOTIVE DEALERS AND GASOLINE STATIONS	188	12	188	12	173	12	268	21	266	21
EATING AND DRINKING PLACES	3 356	1 693	3 266	1 641	2 967	1 162	-	-	-	-
OTHER RETAIL TRADE	1 059	585	1 050	576	969	371	758	55	752	54
FINANCE, INSURANCE, AND REAL ESTATE	318	133	318	127	254	44	251	36	249	36
BUSINESS AND REPAIR SERVICES	1 270	283	1 248	268	1 135	155	1 563	140	1 543	137
PERSONAL SERVICES	1 233	753	1 201	719	1 075	460	1 938	780	1 900	765
ALL OTHER INDUSTRIES	1 042	703	971	695	857	404	1 602	395	1 569	382
MANAGEMENT RELATED OCCUPATIONS	60 320	33 023	58 709	31 667	55 817	26 958	52 078	13 518	51 447	13 194
ACCOUNTANTS AND AUDITORS	24 559	13 347	24 060	12 871	22 995	11 224	19 882	5 950	19 682	5 857
UNDERWRITERS	217	169	217	169	217	142	93	-	92	-
OTHER FINANCIAL OFFICERS	7 220	5 521	7 122	5 349	6 633	4 080	4 963	1 703	4 927	1 671
MANAGEMENT ANALYSTS	2 254	817	2 208	789	1 984	617	1 441	89	1 423	83
PERSONNEL, TRAINING, AND LABOR RELATIONS SPECIALISTS	10 837	7 293	10 436	6 984	9 943	6 197	7 536	2 900	7 423	2 799
PURCHASING AGENTS AND BUYERS, FARM PRODUCTS	211	16	182	10	148	7	322	13	321	13
BUYERS, WHOLESALE AND RETAIL TRADE EXCEPT FARM PRODUCTS	2 932	2 381	2 830	2 237	2 724	1 753	4 418	1 599	4 357	1 569
PURCHASING AGENTS AND BUYERS, N.E.C.	5 928	2 040	5 765	1 911	5 638	1 804	5 671	683	5 592	669
BUSINESS AND PROMOTION AGENTS	363	215	349	187	329	159	477	65	473	65
CONSTRUCTION INSPECTORS	1 764	46	1 634	27	1 496	27	1 981	8	1 947	8
INSPECTORS AND COMPLIANCE OFFICERS, EXC. CONSTRUCTION	3 625	772	3 502	734	3 330	585	4 670	368	4 595	322
MANAGEMENT RELATED OCCUPATIONS, N.E.C.	410	406	404	399	380	363	624	140	615	138
PROFESSIONAL SPECIALTY OCCUPATIONS	248 690	221 248	243 562	215 399	219 330	145 957	201 819	153 027	198 556	150 145
ENGINEERS, ARCHITECTS, AND SURVEYORS	66 169	2 950	64 907	2 786	63 364	2 616	55 087	742	54 085	703
ARCHITECTS	2 952	218	2 814	209	2 643	183	1 848	62	1 822	62
ENGINEERS	62 378	2 670	61 337	2 530	59 974	2 399	52 854	680	51 897	641
AEROSPACE	488	4	468	4	446	4	387	5	347	5
METALLURGICAL AND MATERIALS	1 731	57	1 714	57	1 690	51	1 635	22	1 620	22
MINING	92	10	79	10	73	4	108	4	102	4
PETROLEUM	124	4	124	4	124	2	87	-	87	-
CHEMICAL	2 063	128	2 025	116	1 967	105	2 036	14	2 019	14
NUCLEAR	159	9	159	9	152	-	54	-	53	-
CIVIL	5 557	171	5 360	171	5 206	150	4 836	65	4 726	65
AGRICULTURAL	189	14	186	14	180	9	-	-	-	-
ELECTRICAL AND ELECTRONIC	7 471	451	7 370	441	7 144	437	7 073	141	6 961	134
INDUSTRIAL	9 361	705	9 206	639	9 075	625	9 934	117	9 787	110
MECHANICAL	25 947	722	25 648	695	25 206	674	17 284	150	17 009	137
MARINE AND NAVAL ARCHITECTS	306	19	281	19	265	19	950	-	935	-
ENGINEERS, N.E.C.	8 890	376	8 717	351	8 446	319	8 470	162	8 251	150
SURVEYORS AND MAPPING SCIENTISTS	839	62	756	47	747	34	385	-	366	-

TABLE 217. DETAILED OCCUPATION OF THE EXPERIENCED CIVILIAN LABOR FORCE AND EMPLOYED PERSONS BY SEX: 1980 AND 1970 - CON.

[DATA ARE ESTIMATES BASED ON A SAMPLE; SEE INTRODUCTION. FOR MEANING OF SYMBOLS, SEE INTRODUCTION. FOR DEFINITIONS OF TERMS, SEE APPENDIXES A AND B]

MICHIGAN

	1980						1970			
	EXPERIENCED CIVILIAN LABOR FORCE		EMPLOYED		EMPLOYED USUALLY WORKED FULL TIME IN 1979		EXPERIENCED CIVILIAN LABOR FORCE		EMPLOYED	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
MATHEMATICAL AND COMPUTER SCIENTISTS	9 093	2 919	8 973	2 870	8 718	2 621	6 564	992	6 494	973
COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS	5 973	1 611	5 914	1 592	5 768	1 458	3 431	485	3 394	468
OPERATIONS AND SYSTEMS RESEARCHERS AND ANALYSTS	2 283	841	2 231	819	2 167	769	2 359	228	2 338	227
ACTUARIES	154	51	154	51	145	38	70	22	69	22
STATISTICIANS	667	416	658	408	622	356	545	221	534	220
MATHEMATICAL SCIENTISTS, N.E.C.	16	-	16	-	16	-	159	36	159	36
NATURAL SCIENTISTS	7 115	1 946	6 917	1 867	6 607	1 475	6 275	1 070	6 130	1 049
PHYSICISTS AND ASTRONOMERS	309	10	299	10	286	10	426	29	417	24
CHEMISTS, EXCEPT BIOCHEMISTS	3 530	690	3 475	687	3 420	605	3 525	406	3 468	394
ATMOSPHERIC AND SPACE SCIENTISTS	141	74	135	74	135	36	85	-	81	-
GEOLOGISTS AND GEODESISTS	352	47	327	42	275	16	221	9	221	9
PHYSICAL SCIENTISTS, N.E.C.	156	44	156	33	149	33	29	-	29	-
AGRICULTURAL AND FOOD SCIENTISTS	440	153	429	137	393	86	537	73	533	72
BIOLOGICAL AND LIFE SCIENTISTS	962	494	944	468	860	344	666	409	656	407
FORESTRY AND CONSERVATION SCIENTISTS	794	109	721	91	683	87	730	57	669	57
MEDICAL SCIENTISTS	431	325	431	325	406	258	56	87	56	86
HEALTH DIAGNOSING OCCUPATIONS	22 705	2 913	22 624	2 873	19 795	2 253	17 324	1 347	17 284	1 327
PHYSICIANS	14 489	2 399	14 453	2 377	13 383	1 962	11 165	1 066	11 142	1 046
DENTISTS	5 184	230	5 168	223	3 893	124	4 018	146	4 008	146
VETERINARIANS	1 125	147	1 113	136	1 066	97	749	64	749	64
OPTOMETRISTS	841	76	835	76	718	37	655	20	649	20
PODIATRISTS	331	12	320	12	273	12	195	23	195	23
HEALTH DIAGNOSING PRACTITIONERS, N.E.C.	735	49	735	49	462	21	542	28	541	28
HEALTH ASSESSMENT AND TREATING OCCUPATIONS	9 759	55 946	9 609	54 928	8 448	36 126	6 562	32 603	6 469	32 156
REGISTERED NURSES	1 894	45 862	1 866	45 083	1 661	29 000	1 121	27 997	1 097	27 636
PHARMACISTS	4 539	1 566	4 504	1 528	3 919	1 018	4 197	704	4 152	680
DIETITIANS	147	2 193	140	2 165	119	1 629	103	1 537	99	1 515
THERAPISTS	2 424	5 828	2 357	5 672	2 029	4 151	1 141	2 365	1 121	2 325
INHALATION THERAPISTS	1 092	1 430	1 048	1 374	912	1 004	278	120	273	118
OCCUPATIONAL THERAPISTS	66	925	66	916	61	693	111	359	109	353
PHYSICAL THERAPISTS	391	1 161	391	1 145	348	813	223	599	219	588
SPEECH THERAPISTS	234	1 228	234	1 200	196	843	56	748	55	736
THERAPISTS, N.E.C.	641	1 084	618	1 037	512	798	473	539	465	530
PHYSICIANS' ASSISTANTS	755	497	742	480	720	328	-	-	-	-
TEACHERS, POSTSECONDARY	15 701	8 494	15 430	8 267	12 189	4 253	15 099	5 879	14 949	5 750
BIOLOGICAL SCIENCE TEACHERS	253	65	251	58	218	32	599	175	598	175
CHEMISTRY TEACHERS	269	77	259	77	175	24	628	100	627	94
PHYSICS TEACHERS	210	38	203	38	121	15	512	11	507	10
OTHER NATURAL SCIENCE TEACHERS	91	18	91	18	64	5	199	14	198	11
PSYCHOLOGY TEACHERS	107	106	101	106	83	62	372	208	372	205
ECONOMICS TEACHERS	171	32	171	32	142	32	360	53	354	52
HISTORY TEACHERS	168	82	168	82	141	57	467	76	467	76
OTHER SOCIAL SCIENCE TEACHERS	215	69	205	62	181	22	862	105	861	102
ENGINEERING TEACHERS	449	47	449	47	366	20	782	34	776	27
MATHEMATICAL AND COMPUTER SCIENCE TEACHERS	502	252	502	247	296	115	865	222	864	213
MEDICAL SCIENCE TEACHERS	308	96	308	96	292	60	353	-	350	-
HEALTH SPECIALTIES TEACHERS	115	877	110	858	94	584	224	593	221	587
BUSINESS, COMMERCE, AND MARKETING TEACHERS	226	176	217	176	172	59	273	112	271	111
ART, DRAMA, AND MUSIC TEACHERS	460	418	443	405	320	146	1 019	614	1 009	608
ENGLISH TEACHERS	336	419	336	404	249	167	1 095	621	1 088	597
FOREIGN LANGUAGE TEACHERS	122	185	122	185	99	44	646	307	640	304
OTHER SPECIFIED TEACHERS	643	382	638	379	530	199	1 545	628	1 534	620
POSTSECONDARY TEACHERS, SUBJECT NOT SPECIFIED	11 056	5 155	10 856	4 997	8 646	2 610	4 298	2 006	4 212	1 958
TEACHERS, EXCEPT POSTSECONDARY	46 781	97 071	45 934	94 928	39 828	64 152	38 672	85 629	38 225	84 116
TEACHERS, PREKINDERGARTEN AND KINDERGARTEN	233	5 197	195	4 991	130	2 156	82	4 618	82	4 524
TEACHERS, ELEMENTARY SCHOOL	27 066	66 154	26 746	64 964	23 550	47 010	11 158	53 339	11 042	52 511
TEACHERS, SECONDARY SCHOOL	15 640	17 962	15 398	17 586	13 665	12 601	24 905	21 844	24 653	21 442
TEACHERS, SPECIAL EDUCATION	285	738	283	694	229	379	-	59	-	58
TEACHERS, N.E.C.	3 557	7 020	3 312	6 693	2 254	2 006	2 527	5 769	2 448	5 581
COUNSELORS, EDUCATIONAL AND VOCATIONAL	3 693	4 397	3 612	4 312	3 071	2 981	3 371	2 490	3 343	2 454
LIBRARIANS, ARCHIVISTS, AND CURATORS	1 308	5 895	1 285	5 793	1 005	3 431	1 084	3 964	1 051	3 914
LIBRARIANS	1 175	5 665	1 160	5 563	899	3 292	924	3 935	896	3 885
ARCHIVISTS AND CURATORS	133	230	125	230	106	139	160	29	155	29
SOCIAL SCIENTISTS AND URBAN PLANNERS	4 687	2 524	4 593	2 478	4 174	1 895	4 015	801	3 970	786
ECONOMISTS	2 106	818	2 035	787	1 957	682	2 687	335	2 664	333
PSYCHOLOGISTS	2 097	1 451	2 090	1 438	1 789	1 022	850	401	829	388
SOCIOLOGISTS	36	18	36	18	29	9	21	12	21	12
SOCIAL SCIENTISTS, N.E.C.	153	70	144	70	113	41	105	23	104	23
URBAN PLANNERS	295	167	288	165	286	141	352	30	352	30
SOCIAL, RECREATION, AND RELIGIOUS WORKERS	17 895	16 865	17 431	16 153	15 952	13 071	13 280	7 443	13 125	7 238
SOCIAL WORKERS	7 433	14 188	7 142	13 635	6 555	11 562	3 719	5 728	3 685	5 636
RECREATION WORKERS	460	783	340	657	220	448	753	746	677	646
CLERGY	9 432	605	9 386	590	8 705	435	8 206	236	8 167	236
RELIGIOUS WORKERS, N.E.C.	570	1 289	563	1 271	472	626	602	733	596	720
LAWYERS AND JUDGES	15 159	2 254	15 031	2 183	13 721	1 744	9 148	376	9 122	369
LAWYERS	14 275	2 077	14 153	2 006	12 890	1 597	8 514	376	8 495	369
JUDGES	884	177	878	177	831	147	634	-	627	-
WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES	28 625	17 074	27 216	15 961	22 458	9 339	25 338	9 691	24 309	9 310
AUTHORS	391	366	367	342	262	154	473	151	464	151
TECHNICAL WRITERS	1 088	470	1 019	438	941	346	400	74	386	71
DESIGNERS	9 454	5 332	9 224	4 994	8 657	2 946	8 514	2 914	8 111	2 820
MUSICIANS AND COMPOSERS	3 067	1 573	2 785	1 471	1 277	321	2 179	1 668	1 959	1 614
ACTORS AND DIRECTORS	831	386	788	355	680	239	705	286	696	273
PAINTERS, SCULPTORS, CRAFT-ARTISTS, AND ARTIST PRINTMAKERS	2 607	2 092	2 489	1 974	2 247	1 292	2 394	1 088	2 306	1 032
PHOTOGRAPHERS	2 576	808	2 442	749	1 925	427	2 224	351	2 161	341
DANCERS	39	114	33	93	16	64	35	274	31	255
ARTISTS, PERFORMERS AND RELATED WORKERS, N.E.C.	830	713	751	632	456	211	1 555	393	1 497	368
EDITORS AND REPORTERS	2 927	2 609	2 832	2 515	2 517	1 789	2 893	1 702	2 841	1 653
PUBLIC RELATIONS SPECIALISTS	2 068	1 703	1 979	1 586	1 763	1 195	2 020	545	1 999	517
ANNOUNCERS	1 330	331	1 250	295	861	156	890	23	871	19
ATHLETES	1 417	577	1 257	517	856	199	1 056	222	987	196

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MICHIGAN

	1980						1970			
	EXPERIENCED CIVILIAN LABOR FORCE		EMPLOYED		EMPLOYED: USUALLY WORKED FULL TIME IN 1979		EXPERIENCED CIVILIAN LABOR FORCE		EMPLOYED	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS	396 938	768 519	376 277	718 041	327 377	476 560	368 371	563 787	358 209	540 457
TECHNICIANS AND RELATED SUPPORT OCCUPATIONS	62 998	52 494	60 601	50 752	54 327	35 351	53 065	27 670	51 257	27 191
HEALTH TECHNOLOGISTS AND TECHNICIANS	6 475	37 134	6 226	36 214	5 467	23 972	4 756	22 264	4 699	21 983
CLINICAL LABORATORY TECHNOLOGISTS AND TECHNICIANS	2 425	7 413	2 275	7 223	1 938	5 439	1 321	3 764	1 315	3 720
DENTAL HYGIENISTS	19	2 428	19	2 389	12	926	34	881	34	869
HEALTH RECORD TECHNOLOGISTS AND TECHNICIANS	26	688	26	666	26	545	55	439	55	433
RADIOLOGIC TECHNICIANS	1 227	2 982	1 188	2 898	1 079	2 206	925	1 580	924	1 564
LICENSED PRACTICAL NURSES	695	19 765	671	19 263	607	12 065	1 202	13 797	1 169	13 638
HEALTH TECHNOLOGISTS AND TECHNICIANS, N.E.C.	2 083	3 858	2 047	3 775	1 805	2 791	1 219	1 803	1 202	1 759
ENGINEERING AND RELATED TECHNOLOGISTS AND TECHNICIANS	34 199	4 516	32 669	4 176	30 178	3 367	35 540	1 927	34 009	1 850
ELECTRICAL AND ELECTRONIC TECHNICIANS	5 517	599	5 333	574	5 032	466	3 158	153	3 107	153
INDUSTRIAL ENGINEERING TECHNICIANS	365	67	359	50	349	50	524	102	510	94
MECHANICAL ENGINEERING TECHNICIANS	1 815	72	1 769	72	1 736	72	1 999	50	1 964	50
ENGINEERING TECHNICIANS, N.E.C.	8 444	1 702	8 060	1 577	7 462	1 207	8 096	723	7 913	705
DRAFTING OCCUPATIONS	17 040	1 921	16 321	1 795	14 821	1 495	20 438	832	19 255	792
SURVEYING AND MAPPING TECHNICIANS	1 018	155	827	108	778	77	1 325	67	1 260	56
SCIENCE TECHNICIANS	4 825	2 130	4 607	1 945	4 055	1 509	4 084	927	3 999	877
BIOLOGICAL TECHNICIANS	939	738	890	651	839	594	788	401	762	380
CHEMICAL TECHNICIANS	2 348	631	2 262	572	2 144	472	2 209	284	2 176	265
SCIENCE TECHNICIANS, N.E.C.	1 538	761	1 455	722	1 072	443	1 087	242	1 061	232
TECHNICIANS, EXCEPT HEALTH, ENGINEERING, AND SCIENCE	17 499	8 714	17 099	8 417	14 627	6 503	8 685	2 552	8 550	2 481
AIRPLANE PILOTS AND NAVIGATORS	1 234	9	1 182	4	928	-	929	28	881	28
AIR TRAFFIC CONTROLLERS	552	153	525	153	511	110	389	29	385	29
BROADCAST EQUIPMENT OPERATORS	1 254	910	1 227	844	1 101	722	785	213	772	200
COMPUTER PROGRAMMERS	7 013	3 151	6 938	3 099	6 222	2 680	4 689	1 239	4 634	1 224
TOOL PROGRAMMERS, NUMERICAL CONTROL	304	70	304	70	293	70	179	8	178	4
LEGAL ASSISTANTS	489	1 230	481	1 178	377	952	304	425	298	407
TECHNICIANS, N.E.C.	6 653	3 191	6 442	3 069	5 195	1 969	1 410	610	1 402	589
SALES OCCUPATIONS	188 314	198 728	179 015	180 267	153 130	84 796	176 403	148 225	172 362	139 699
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS, SALARIED	30 165	11 995	28 697	10 973	27 221	9 001	21 846	3 541	21 555	3 425
MANUFACTURING	1 745	183	1 702	170	1 605	155	847	115	837	111
WHOLESALE TRADE	3 360	295	3 298	271	3 168	240	3 614	108	3 592	108
RETAIL TRADE	23 057	10 890	21 766	9 970	20 586	8 178	16 575	2 981	16 328	2 880
ALL OTHER INDUSTRIES	2 003	627	1 931	562	1 862	428	810	337	798	326
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS, SELF-EMPLOYED	9 710	3 541	9 510	3 490	8 709	2 470	14 348	3 971	14 193	3 901
MANUFACTURING	81	27	81	27	81	9	12	-	12	-
WHOLESALE TRADE	933	93	910	93	808	41	1 282	51	1 269	51
RETAIL TRADE	8 368	3 394	8 214	3 343	7 577	2 393	12 616	3 796	12 479	3 727
ALL OTHER INDUSTRIES	328	27	305	27	243	27	438	124	433	123
SALES REPRESENTATIVES, FINANCE AND BUSINESS SERVICES	40 115	20 678	39 063	19 728	35 237	13 325	33 942	7 344	33 417	7 176
INSURANCE SALES OCCUPATIONS	14 613	4 542	14 381	4 401	13 219	3 785	14 309	2 223	14 181	2 193
REAL ESTATE SALES OCCUPATIONS	12 183	9 324	11 915	8 928	10 309	4 982	9 354	3 867	9 221	3 790
SECURITIES AND FINANCIAL SERVICES SALES OCCUPATIONS	2 427	502	2 361	488	2 141	435	2 353	252	2 319	245
ADVERTISING AND RELATED SALES OCCUPATIONS	2 745	1 642	2 614	1 547	2 421	1 153	2 361	546	2 284	525
SALES OCCUPATIONS, OTHER BUSINESS SERVICES	8 147	4 668	7 792	4 364	7 147	2 970	5 565	456	5 412	423
SALES REPRESENTATIVES, COMMODITIES, EXCEPT RETAIL	41 174	6 114	40 077	5 806	37 755	4 132	41 683	2 542	41 060	2 396
SALES ENGINEERS	3 203	36	3 159	36	3 057	32	3 934	27	3 891	27
SALES REPRESENTATIVES, MINING, MANUFACTURING, AND WHOLESALE	37 971	6 078	36 918	5 770	34 698	4 100	37 749	2 515	37 169	2 369
WHOLESALE TRADE	24 243	3 837	23 633	3 683	22 144	2 605	21 404	1 349	21 070	1 281
SALES WORKERS, RETAIL AND PERSONAL SERVICES	66 673	155 816	61 193	139 731	43 849	55 699	64 318	130 090	61 886	122 102
SALES WORKERS, MOTOR VEHICLES AND BOATS	9 653	909	8 885	841	8 308	640	9 607	245	9 312	230
SALES WORKERS, APPAREL	3 455	15 604	3 156	14 214	1 809	4 726	4 043	20 881	3 872	19 584
SALES WORKERS, SHOES	2 116	2 712	1 916	2 477	967	780	2 659	2 713	2 547	2 544
SALES WORKERS, FURNITURE AND HOME FURNISHINGS	3 424	2 626	3 247	2 438	2 896	1 299	3 539	3 026	3 428	2 862
SALES WORKERS, RADIO, TV, HI-FI, AND APPLIANCES	3 827	1 762	3 466	1 543	2 849	828	3 472	1 422	3 358	1 349
SALES WORKERS, HARDWARE AND BUILDING SUPPLIES	5 929	2 272	5 604	2 062	4 358	1 149	7 345	1 680	7 074	1 583
SALES WORKERS, PARTS	6 976	559	6 518	524	6 100	391	6 731	341	6 564	324
SALES WORKERS, OTHER COMMODITIES	15 021	48 317	14 013	44 304	9 046	17 091	16 963	50 146	16 272	47 018
RETAIL TRADE	13 682	47 081	12 791	43 209	8 092	16 561	15 210	48 129	14 572	45 141
PERSONAL, BUSINESS AND REPAIR SERVICES	178	208	165	191	132	91	763	732	738	679
ALL OTHER INDUSTRIES	1 161	1 028	1 057	904	822	439	990	1 285	962	1 198
SALES COUNTER CLERKS	824	3 622	756	3 236	554	1 221	1 619	4 213	1 591	3 975
CASHIERS	10 648	68 685	9 427	60 255	5 330	25 914	3 816	38 329	3 602	35 858
STREET AND DOOR-TO-DOOR SALES WORKERS	1 563	7 197	1 397	6 426	1 043	1 404	1 559	6 601	1 493	6 290
NEWS VENDORS	3 237	1 551	2 808	1 411	589	256	2 965	493	2 773	485
SALES RELATED OCCUPATIONS	477	584	475	539	359	169	266	737	251	699
DEMONSTRATORS, PROMOTERS AND MODELS, SALES	128	402	128	357	73	69	114	469	111	446
AUCTIONEERS	175	11	175	11	146	-	152	16	140	16
SALES SUPPORT OCCUPATIONS, N.E.C.	174	171	172	171	140	100	-	252	-	237
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL	145 626	517 297	136 661	487 022	119 920	356 413	138 903	387 892	134 590	373 567
SUPERVISORS, ADMINISTRATIVE SUPPORT OCCUPATIONS	22 269	19 211	21 667	18 692	21 112	17 149	6 075	8 843	5 949	8 544
SUPERVISORS, GENERAL OFFICE	10 112	13 865	9 902	13 495	9 519	12 206	2 961	6 365	2 925	6 159
SUPERVISORS, COMPUTER EQUIPMENT OPERATORS	1 364	367	1 342	363	1 325	347	371	107	362	105
SUPERVISORS, FINANCIAL RECORDS PROCESSING	3 974	2 967	3 867	2 890	3 809	2 781	814	716	791	695
CHIEF COMMUNICATIONS OPERATORS	1 475	775	1 473	765	1 454	752	272	1 409	270	1 352
SUPERVISORS; DISTRIBUTION, SCHEDULING, AND ADJUSTING CLERKS	5 344	1 237	5 083	1 179	5 005	1 063	1 657	246	1 601	233

TABLE 217. DETAILED OCCUPATION OF THE EXPERIENCED CIVILIAN LABOR FORCE AND EMPLOYED PERSONS BY SEX: 1980 AND 1970 - CON.

[DATA ARE ESTIMATES BASED ON A SAMPLE; SEE INTRODUCTION. FOR MEANING OF SYMBOLS, SEE INTRODUCTION. FOR DEFINITIONS OF TERMS, SEE APPENDIXES A AND B]

MICHIGAN

	1980						1970			
	EXPERIENCED CIVILIAN LABOR FORCE		EMPLOYED				EXPERIENCED CIVILIAN LABOR FORCE		EMPLOYED	
					USUALLY WORKED FULL TIME IN 1979					
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
COMPUTER EQUIPMENT OPERATORS	5 945	9 305	5 767	8 788	5 088	7 477	3 677	3 199	3 567	3 107
COMPUTER OPERATORS	5 764	8 941	5 595	8 459	4 925	7 240	2 983	1 975	2 894	1 927
PERIPHERAL EQUIPMENT OPERATORS	181	364	172	329	163	237	694	1 224	673	1 180
SECRETARIES, STENOGRAPHERS, AND TYPISTS	2 384	184 553	2 273	174 976	1 789	132 669	4 903	157 575	4 760	152 472
SECRETARIES	1 469	152 092	1 405	144 871	1 093	111 403	2 351	111 231	2 316	108 161
STENOGRAPHERS	246	2 567	246	2 493	226	2 137	304	5 457	292	5 304
TYPISTS	669	29 894	622	27 612	470	19 129	2 248	40 887	2 152	39 007
INFORMATION CLERKS	4 610	33 868	4 167	31 059	2 785	18 214	4 673	21 860	4 554	20 759
INTERVIEWERS	1 103	4 049	917	3 494	617	1 870	834	3 647	821	3 474
HOTEL CLERKS	586	1 146	531	1 024	299	606	1 024	1 210	1 007	1 143
TRANSPORTATION TICKET AND RESERVATION AGENTS	1 104	1 518	1 039	1 428	959	1 120	1 286	1 186	1 264	1 128
RECEPTIONISTS	1 104	23 783	1 033	22 022	429	12 840	850	14 333	798	13 598
INFORMATION CLERKS, N.E.C.	713	3 372	647	3 091	481	1 778	679	1 484	664	1 416
RECORDS PROCESSING OCCUPATIONS, EXCEPT FINANCIAL	9 767	30 609	9 079	28 546	7 244	18 139	5 963	22 721	5 749	21 470
CLASSIFIED-AD CLERKS	94	377	94	333	68	194	99	333	97	314
CORRESPONDENCE CLERKS	96	381	88	376	88	355	200	335	195	320
ORDER CLERKS	5 032	9 419	4 707	8 850	4 164	6 685	1 071	3 788	1 052	3 592
PERSONNEL CLERKS, EXCEPT PAYROLL AND TIMEKEEPING	365	2 037	338	1 900	315	1 548	40	270	39	258
LIBRARY CLERKS	960	5 349	918	5 099	337	1 913	996	4 682	949	4 539
FILE CLERKS	2 650	9 489	2 368	8 574	1 833	4 882	2 656	11 791	2 539	10 985
RECORDS CLERKS	570	3 557	566	3 414	439	2 562	901	1 522	878	1 462
FINANCIAL RECORDS PROCESSING OCCUPATIONS	8 709	72 373	8 233	68 518	7 086	50 713	17 031	67 596	16 558	65 569
BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS	5 637	56 470	5 300	53 434	4 430	38 701	12 699	52 693	12 409	51 289
PAYROLL AND TIMEKEEPING CLERKS	1 314	5 674	1 234	5 353	1 172	4 382	2 357	4 847	2 227	4 682
BILLING CLERKS	575	6 123	551	5 808	506	4 655	857	4 767	833	4 527
COST AND RATE CLERKS	1 042	2 091	1 016	1 984	887	1 630	774	962	756	921
BILLING, POSTING, AND CALCULATING MACHINE OPERATORS	141	2 015	132	1 939	91	1 345	344	4 327	333	4 150
DUPLICATING, MAIL, AND OTHER OFFICE MACHINE OPERATORS	699	1 702	644	1 550	510	1 018	1 006	1 710	980	1 639
DUPLICATING MACHINE OPERATORS	251	552	244	503	199	336	470	520	449	504
MAIL PREPARING AND PAPER HANDLING MACHINE OPERATORS	85	165	75	151	39	90	134	506	133	483
OFFICE MACHINE OPERATORS, N.E.C.	363	985	325	896	272	592	402	684	398	652
COMMUNICATIONS EQUIPMENT OPERATORS	929	10 648	845	9 987	694	7 417	986	14 608	956	14 023
TELEPHONE OPERATORS	792	10 317	723	9 676	572	7 207	838	14 451	808	13 871
TELEGRAPHERS	106	76	91	76	91	76	148	157	148	152
COMMUNICATIONS EQUIPMENT OPERATORS, N.E.C.	31	255	31	235	31	134	-	-	-	-
MAIL AND MESSAGE DISTRIBUTING OCCUPATIONS	16 391	12 110	15 637	11 396	13 440	8 443	17 789	10 812	17 354	10 251
POSTAL CLERKS, EXCEPT MAIL CARRIERS	3 847	5 319	3 746	5 134	3 546	4 145	5 673	5 534	5 562	5 239
MAIL CARRIERS, POSTAL SERVICE	7 738	2 800	7 537	2 650	7 076	1 995	8 603	2 374	8 495	2 269
MAIL CLERKS, EXCEPT POSTAL SERVICE	2 961	3 286	2 699	2 991	1 985	1 968	2 320	2 410	2 205	2 269
MESSENGERS	1 845	705	1 655	621	833	335	1 193	494	1 092	474
MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING CLERKS	47 489	22 114	43 321	19 863	38 965	15 986	51 710	11 162	49 641	10 439
DISPATCHERS	2 111	1 254	1 951	1 090	1 854	916	2 361	618	2 306	577
PRODUCTION COORDINATORS	7 734	4 142	7 003	3 725	6 644	3 085	7 148	1 122	6 942	1 066
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	14 787	4 647	13 363	4 158	12 147	3 500	15 733	2 378	15 057	2 251
STOCK AND INVENTORY CLERKS	17 761	7 574	16 229	6 828	13 859	5 627	19 002	4 202	18 083	3 852
METER READERS	1 039	267	981	241	968	222	1 326	9	1 315	9
WEIGHERS, MEASURERS, AND CHECKERS	2 142	1 036	1 955	906	1 828	529	2 609	994	2 490	926
SAMPLERS	19	29	19	25	19	25	207	55	200	53
EXPEDITERS	1 616	1 773	1 566	1 633	1 457	1 266	2 885	935	2 818	894
MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING CLERKS, N.E.C.	280	1 392	254	1 257	189	816	439	849	430	811
ADJUSTERS AND INVESTIGATORS	7 115	11 622	6 833	11 100	6 338	9 777	8 672	5 313	8 544	5 106
INSURANCE ADJUSTERS, EXAMINERS, AND INVESTIGATORS	2 366	3 793	2 316	3 683	2 184	3 456	2 837	962	2 811	950
INVESTIGATORS AND ADJUSTERS, EXCEPT INSURANCE	3 381	5 062	3 213	4 807	2 968	4 148	4 484	3 227	4 418	3 094
ELIGIBILITY CLERKS, SOCIAL WELFARE	53	214	47	209	36	190	14	49	14	48
BILL AND ACCOUNT COLLECTORS	1 315	2 553	1 257	2 401	1 150	1 983	1 337	1 075	1 301	1 014
MISCELLANEOUS ADMINISTRATIVE SUPPORT OCCUPATIONS	19 319	109 182	18 195	102 547	14 869	69 411	16 418	62 493	15 978	60 188
GENERAL OFFICE CLERKS	9 458	49 373	8 789	45 894	6 886	31 274	6 676	21 274	6 479	20 425
BANK TELLERS	1 141	20 945	1 068	20 027	727	13 866	1 035	11 826	1 028	11 602
PROOFREADERS	113	711	102	670	67	397	244	705	243	679
DATA-ENTRY KEYERS	692	13 263	659	12 416	576	10 200	740	12 284	717	11 756
STATISTICAL CLERKS	1 306	3 761	1 244	3 601	1 095	2 924	2 353	3 916	2 289	3 777
TEACHERS' AIDES	953	10 185	862	9 515	426	2 876	604	5 313	563	5 083
ADMINISTRATIVE SUPPORT OCCUPATIONS, N.E.C.	5 656	10 944	5 471	10 424	5 092	7 874	4 766	7 175	4 659	6 866
SERVICE OCCUPATIONS	228 752	353 258	203 251	319 605	137 188	144 656	172 561	263 251	163 011	247 357
PRIVATE HOUSEHOLD OCCUPATIONS	835	18 257	691	16 587	308	5 019	1 065	32 573	987	30 740
OCCUPATION:										
LAUNDERERS AND IRONERS	21	70	21	64	21	14	5	366	5	353
COOKS, PRIVATE HOUSEHOLD	11	171	11	157	7	49	26	662	27	610
HOUSEKEEPERS AND BUTLERS	50	1 492	50	1 381	28	572	29	1 730	29	1 679
CHILD CARE WORKERS, PRIVATE HOUSEHOLD	234	8 583	189	7 568	56	2 614	218	11 106	197	10 200
PRIVATE HOUSEHOLD CLEANERS AND SERVANTS	519	7 941	420	7 417	196	1 770	787	18 709	729	17 898
LIVING ARRANGEMENT:										
LIVING IN	36	639	27	632	22	458	67	2 527	67	2 523
LIVING OUT	799	17 618	664	15 955	286	4 561	998	30 046	920	28 217

TABLE 217. DETAILED OCCUPATION OF THE EXPERIENCED CIVILIAN LABOR FORCE AND EMPLOYED PERSONS BY SEX: 1980 AND 1970 - CON.

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ICHIGAN

	1980						1970			
	EXPERIENCED CIVILIAN LABOR FORCE		EMPLOYED		EMPLOYED: USUALLY WORKED FULL TIME IN 1979		EXPERIENCED CIVILIAN LABOR FORCE		EMPLOYED	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
PROTECTIVE SERVICE OCCUPATIONS	51 658	7 828	48 454	7 081	43 256	4 230	39 539	2 806	38 685	2 704
SUPERVISORS, PROTECTIVE SERVICE OCCUPATIONS	3 513	140	3 472	135	3 360	121	3 318	71	3 279	70
SUPERVISORS, FIREFIGHTING AND FIRE PREVENTION OCCUPATIONS	440	-	429	-	406	-	986	-	980	-
SUPERVISORS, POLICE AND DETECTIVES	2 207	78	2 183	78	2 139	72	1 894	41	1 874	41
SUPERVISORS, GUARDS	866	62	860	57	815	49	438	30	425	29
FIREFIGHTING AND FIRE PREVENTION OCCUPATIONS	6 672	84	6 526	72	6 371	63	5 699	87	5 645	81
FIRE INSPECTION AND FIRE PREVENTION OCCUPATIONS	715	38	688	29	671	20	421	-	404	-
FIREFIGHTING OCCUPATIONS	5 957	46	5 838	43	5 700	43	5 278	87	5 241	81
POLICE AND DETECTIVES	19 468	2 052	18 968	1 845	18 450	1 677	15 958	840	15 748	822
POLICE AND DETECTIVES, PUBLIC SERVICE	15 337	1 397	14 969	1 207	14 629	1 119	12 761	455	12 632	448
SHERIFFS, BAILIFFS, AND OTHER ENFORCEMENT OFFICERS	1 800	250	1 763	233	1 662	214	1 376	79	1 358	79
CORRECTIONAL INSTITUTION OFFICERS	2 331	405	2 236	405	2 159	344	1 821	306	1 758	295
GUARDS	22 005	5 552	19 488	5 029	15 075	2 369	14 564	1 808	14 013	1 731
CROSSING GUARDS	526	1 242	509	1 202	133	103	594	1 081	584	1 052
GUARDS AND POLICE, EXCEPT PUBLIC SERVICE	20 569	3 763	18 208	3 360	14 541	2 124	13 427	558	12 967	538
PROTECTIVE SERVICE OCCUPATIONS, N.E.C.	910	547	771	467	401	142	543	169	462	141
SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD	176 259	327 173	154 106	295 937	93 624	135 407	131 957	227 872	123 339	213 913
FOOD PREPARATION AND SERVICE OCCUPATIONS	65 722	153 000	56 150	135 058	22 531	47 745	39 676	111 104	36 114	102 332
SUPERVISORS, FOOD PREPARATION AND SERVICE OCCUPATIONS	3 668	7 548	3 433	6 923	2 708	3 042	3 019	3 585	2 802	3 405
BARTENDERS	6 254	7 648	5 506	6 547	4 013	3 744	6 614	3 193	6 184	3 046
WAITERS AND WAITRESSES	4 108	71 169	3 674	62 296	1 452	19 841	2 657	55 701	2 395	50 465
COOKS, EXCEPT SHORT ORDER	24 804	30 551	21 528	27 304	8 812	12 699	8 536	19 514	7 856	18 265
SHORT-ORDER COOKS	2 098	1 309	1 872	1 175	502	417	2 633	1 895	2 423	1 774
FOOD COUNTER, FOUNTAIN AND RELATED OCCUPATIONS	1 248	6 825	1 053	5 960	289	932	1 913	3 408	1 791	3 207
KITCHEN WORKERS, FOOD PREPARATION	510	3 497	419	3 084	208	1 288	225	3 274	203	3 086
WAITERS' AND WAITRESSES' ASSISTANTS	8 582	6 158	7 053	5 594	1 382	1 294	5 643	2 422	4 939	2 250
MISCELLANEOUS FOOD PREPARATION OCCUPATIONS	14 450	18 295	11 612	16 175	3 165	4 488	8 436	18 112	7 521	16 834
HEALTH SERVICE OCCUPATIONS	9 175	74 896	8 347	70 004	6 499	44 526	5 797	51 242	5 534	49 072
DENTAL ASSISTANTS	123	6 932	111	6 603	77	3 466	94	4 795	94	4 597
HEALTH AIDES, EXCEPT NURSING	1 776	16 115	1 608	15 354	1 058	9 690	930	7 726	903	7 483
NURSING AIDES, ORDERLIES, AND ATTENDANTS	7 276	51 849	6 628	48 047	5 364	31 370	4 773	38 721	4 537	36 992
CLEANING AND BUILDING SERVICE OCCUPATIONS, EXCEPT HOUSEHOLD	87 935	45 666	77 560	40 495	56 758	22 382	73 356	32 446	69 140	30 666
SUPERVISORS, CLEANING AND BUILDING SERVICE WORKERS	3 277	1 409	3 133	1 334	2 958	1 090	1 963	845	1 865	804
MAIDS AND HOUSEMEN	5 902	18 391	5 009	16 279	3 229	9 768	1 129	18 055	1 040	16 972
JANITORS AND CLEANERS	77 947	25 607	68 706	22 665	49 983	11 346	69 107	12 858	65 178	12 261
ELEVATOR OPERATORS	265	223	249	194	209	169	556	688	512	629
PEST CONTROL OCCUPATIONS	544	36	463	23	379	9	601	-	545	-
PERSONAL SERVICE OCCUPATIONS	13 427	53 611	12 049	50 380	7 836	20 754	13 128	33 080	12 551	31 843
SUPERVISORS, PERSONAL SERVICE OCCUPATIONS	606	457	561	397	443	311	308	315	287	298
BARBERS	3 376	549	3 307	537	2 729	369	6 283	248	6 245	247
HAIRDRESSERS AND COSMETOLOGISTS	1 906	18 512	1 854	17 894	1 501	8 364	1 606	18 851	1 585	18 380
ATTENDANTS, AMUSEMENT AND RECREATION FACILITIES	2 039	939	1 511	769	561	276	1 654	672	1 385	574
GUIDES	332	442	307	389	217	191	143	96	135	89
USHERS	731	308	617	281	68	108	560	354	474	316
PUBLIC TRANSPORTATION ATTENDANTS	226	727	189	673	126	317	74	160	70	140
BAGGAGE PORTERS AND BELLHOPS	372	34	282	25	172	12	424	21	400	21
WELFARE SERVICE AIDES	214	929	181	864	155	485	159	614	151	585
CHILD CARE WORKERS, EXCEPT PRIVATE HOUSEHOLD	1 924	25 948	1 705	24 192	973	8 302	545	7 479	512	7 136
PERSONAL SERVICE OCCUPATIONS, N.E.C.	1 701	4 766	1 535	4 359	891	2 019	1 372	4 270	1 307	4 057
FARMING, FORESTRY, AND FISHING OCCUPATIONS	59 231	12 048	51 943	10 622	41 861	5 475	59 396	6 801	55 791	6 252
FARM OPERATORS AND MANAGERS	27 016	3 082	26 480	3 024	23 565	1 832	30 148	1 949	29 850	1 925
FARMERS, EXCEPT HORTICULTURAL	23 951	2 696	23 669	2 662	21 019	1 580	28 598	1 727	28 320	1 705
AGRICULTURAL PRODUCTION, CROPS	14 267	1 338	14 045	1 316	12 216	828	15 036	1 727	14 890	1 705
HORTICULTURAL SPECIALTY FARMERS	297	56	269	56	237	39	167	140	159	138
MANAGERS, FARMS, EXCEPT HORTICULTURAL	2 250	298	2 192	285	2 010	192	1 358	82	1 346	82
MANAGERS, HORTICULTURAL SPECIALTY FARMS	518	32	350	21	299	21	25	-	25	-
FARM OCCUPATIONS, EXCEPT MANAGERIAL	14 807	5 369	12 831	4 708	8 459	2 309	13 885	3 477	12 802	3 100
SUPERVISORS, FARM WORKERS	410	140	383	140	318	105	377	69	361	61
FARM WORKERS	13 829	4 789	11 954	4 193	7 808	1 987	13 062	2 956	12 031	2 656
AGRICULTURAL PRODUCTION, CROPS	8 020	3 063	6 509	2 551	4 414	1 206	8 368	850	7 686	776
MARINE LIFE CULTIVATION WORKERS	9	10	9	10	9	2	-	-	-	-
NURSERY WORKERS	559	430	485	365	324	215	446	452	410	383
RELATED AGRICULTURAL OCCUPATIONS	12 967	3 353	9 388	2 707	7 174	1 231	11 854	1 190	10 288	1 065
SUPERVISORS, RELATED AGRICULTURAL OCCUPATIONS	701	20	613	20	573	17	1 183	23	1 097	22
GROUNDSKEEPERS AND GARDENERS, EXCEPT FARM	11 279	1 288	7 937	916	6 094	383	9 486	312	8 084	247
ANIMAL CARETAKERS, EXCEPT FARM	856	1 707	769	1 527	456	745	995	584	934	566
GRADERS AND SORTERS, AGRICULTURAL PRODUCTS	117	335	55	241	37	86	190	271	173	230
INSPECTORS, AGRICULTURAL PRODUCTS	14	3	14	3	14	-	-	-	-	-
FORESTRY AND LOGGING OCCUPATIONS	3 946	219	2 823	158	2 275	78	3 151	123	2 549	115
SUPERVISORS, FORESTRY AND LOGGING WORKERS	136	-	101	-	101	-	152	-	140	-
FORESTRY WORKERS, EXCEPT LOGGING	695	120	525	82	421	51	230	-	206	-
TIMBER CUTTING AND LOGGING OCCUPATIONS	3 115	99	2 197	76	1 753	27	2 769	123	2 203	115
FISHERS, HUNTERS, AND TRAPPERS	495	25	421	25	388	25	358	62	302	47
CAPTAINS AND OTHER OFFICERS, FISHING VESSELS	50	-	47	-	45	-	68	13	57	4
FISHERS	417	7	351	7	320	7	282	49	239	43
HUNTERS AND TRAPPERS	28	18	23	18	23	18	8	-	6	-

TABLE 217. DETAILED OCCUPATION OF THE EXPERIENCED CIVILIAN LABOR FORCE AND EMPLOYED PERSONS BY SEX: 1980 AND 1970 - CON.

[DATA ARE ESTIMATES BASED ON A SAMPLE; SEE INTRODUCTION. FOR MEANING OF SYMBOLS, SEE INTRODUCTION. FOR DEFINITIONS OF TERMS, SEE APPENDIXES A AND B]

MICHIGAN

	1980						1970			
	EXPERIENCED CIVILIAN LABOR FORCE		EMPLOYED				EXPERIENCED CIVILIAN LABOR FORCE		EMPLOYED	
					USUALLY WORKED FULL TIME IN 1979					
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS	524 518	32 192	465 341	28 461	434 652	22 314	513 032	35 179	485 921	31 268
MECHANICS AND REPAIRERS	169 338	4 809	154 381	4 244	144 351	3 666	150 873	3 565	145 417	3 323
SUPERVISORS, MECHANICS AND REPAIRERS	5 032	192	4 900	174	4 819	152	5 175	217	5 046	212
MECHANICS AND REPAIRERS, EXCEPT SUPERVISORS	164 306	4 617	149 481	4 070	139 532	3 514	145 698	3 348	140 371	3 111
VEHICLE AND MOBILE EQUIPMENT MECHANICS AND REPAIRERS	68 675	1 012	60 882	813	56 243	680	65 472	1 189	62 899	1 080
AUTOMOBILE MECHANICS	41 145	691	36 500	556	33 358	463	42 243	676	40 439	615
BUS, TRUCK, AND STATIONARY ENGINE MECHANICS	7 697	57	6 841	35	6 561	35	4 074	111	3 929	103
AIRCRAFT MECHANICS	1 598	27	1 532	23	1 430	21	2 097	167	1 964	135
SMALL ENGINE REPAIRERS	1 628	25	1 397	23	1 126	23	1 437	26	1 387	22
AUTOMOBILE BODY AND RELATED REPAIRERS	9 783	167	8 383	131	7 779	99	5 448	76	5 299	76
HEAVY EQUIPMENT MECHANICS	5 634	34	5 085	34	4 918	28	8 816	121	8 554	117
FARM EQUIPMENT MECHANICS	1 190	11	1 144	11	1 071	11	1 357	12	1 327	12
INDUSTRIAL MACHINERY REPAIRERS	28 014	583	25 795	535	24 728	481	16 863	258	16 345	248
MACHINERY MAINTENANCE OCCUPATIONS	2 621	64	2 310	59	2 197	57	3 331	100	3 156	100
ELECTRICAL AND ELECTRONIC EQUIPMENT REPAIRERS	20 269	1 619	19 325	1 507	18 222	1 408	22 009	616	21 503	604
ELECTRONIC REPAIRERS, COMMUNICATIONS AND INDUSTRIAL EQUIPMENT	5 094	204	4 625	171	4 121	128	5 226	114	5 041	114
DATA PROCESSING EQUIPMENT REPAIRERS	1 655	83	1 640	83	1 592	63	1 129	41	1 116	41
HOUSEHOLD APPLIANCE AND POWER TOOL REPAIRERS	2 756	8	2 584	8	2 315	8	3 483	30	3 389	28
TELEPHONE LINE INSTALLERS AND REPAIRERS	2 135	103	2 049	90	1 982	78	2 043	80	2 013	74
TELEPHONE INSTALLERS AND REPAIRERS	7 499	1 147	7 375	1 085	7 225	1 063	8 739	351	8 607	347
MISCELLANEOUS ELECTRICAL AND ELECTRONIC EQUIPMENT REPAIRERS	1 130	74	1 052	70	987	68	1 389	-	1 337	-
HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS	5 589	51	5 016	49	4 546	47	4 516	70	4 344	65
MISCELLANEOUS MECHANICS AND REPAIRERS	39 138	1 288	36 153	1 107	33 596	841	33 507	1 115	32 124	1 014
CAMERA, WATCH, AND MUSICAL INSTRUMENT REPAIRERS	1 151	163	1 139	150	885	96	1 076	70	1 043	67
LOCKSMITHS AND SAFE REPAIRERS	539	23	512	21	409	13	766	26	740	22
OFFICE MACHINE REPAIRERS	1 397	107	1 343	98	1 221	86	1 868	38	1 853	29
MECHANICAL CONTROLS AND VALVE REPAIRERS	1 389	20	1 341	10	1 318	10	1 591	86	1 545	78
ELEVATOR INSTALLERS AND REPAIRERS	669	5	642	-	635	-	1 272	-	1 233	-
MILLWRIGHTS	14 676	190	13 531	164	13 202	132	12 644	120	11 994	115
SPECIFIED MECHANICS AND REPAIRERS, N.E.C.	13 062	535	11 920	434	10 725	323	9 261	556	8 910	500
NOT SPECIFIED MECHANICS AND REPAIRERS	6 255	245	5 725	230	5 201	181	5 029	219	4 806	203
CONSTRUCTION TRADES	162 198	3 147	129 746	2 623	116 695	1 906	140 954	2 755	126 392	2 458
SUPERVISORS; CONSTRUCTION OCCUPATIONS	24 613	340	21 276	327	20 110	282	19 146	255	17 746	232
SUPERVISORS; BRICKMASONS, STONEMASONS, AND TILE SETTERS	166	-	137	-	135	-	344	-	285	-
SUPERVISORS; CARPENTERS AND RELATED WORKERS	1 038	-	823	-	758	-	1 982	58	1 702	49
SUPERVISORS; ELECTRICIANS AND POWER TRANSMISSION INSTALLERS	1 382	6	1 343	6	1 312	6	1 406	-	1 352	-
SUPERVISORS; PAINTERS, PAPERHANGERS, AND PLASTERERS	327	11	239	11	200	11	411	13	354	10
SUPERVISORS; PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	514	16	454	16	449	16	1 313	-	1 243	-
SUPERVISORS; N.E.C.	21 186	307	18 280	294	17 256	249	13 690	184	12 810	173
CONSTRUCTION TRADES, EXCEPT SUPERVISORS	137 585	2 807	108 470	2 296	96 585	1 624	121 808	2 500	108 646	2 226
BRICKMASONS AND STONEMASONS	8 177	110	5 601	78	4 598	61	8 046	94	6 648	77
TILE SETTERS, HARD AND SOFT	787	8	689	6	616	6	1 250	15	1 106	15
CARPET INSTALLERS	3 191	72	2 738	68	2 135	58	2 737	46	2 529	42
CARPENTERS	37 611	449	27 507	385	23 720	271	31 860	434	27 307	367
DRYWALL INSTALLERS	3 063	61	2 081	33	1 744	15	1 976	27	1 753	27
ELECTRICIANS	26 811	503	24 293	449	23 113	403	22 477	340	21 609	320
ELECTRICAL POWER INSTALLERS AND REPAIRERS	3 211	27	3 061	25	2 989	20	3 552	46	3 469	46
PAINTERS, CONSTRUCTION AND MAINTENANCE	12 033	846	9 111	695	7 411	372	11 880	608	10 353	524
PAPERHANGERS	347	88	330	82	293	36	259	76	239	76
PLASTERERS	784	14	592	14	486	14	1 192	13	961	10
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	22 019	159	19 253	144	18 258	120	18 345	237	17 397	232
CONCRETE AND TERRAZZO FINISHERS	2 442	16	1 109	-	950	-	2 918	24	1 885	15
GLAZIERS	1 222	157	1 039	118	968	105	1 097	59	1 038	48
INSULATION WORKERS	2 057	61	1 509	50	1 269	37	1 063	-	1 014	-
PAVING, SURFACING, AND TAMPING EQUIPMENT OPERATORS	270	-	95	-	84	-	270	-	221	-
ROOFERS	4 141	47	2 631	12	1 851	6	2 632	17	2 068	17
SHEETMETAL DUCT INSTALLERS	1 077	9	850	-	805	-	820	-	773	-
STRUCTURAL METAL WORKERS	2 982	58	2 311	58	2 063	51	3 131	28	2 781	28
DRILLERS, EARTH	1 034	12	849	4	804	4	1 441	355	1 316	309
CONSTRUCTION TRADES, N.E.C.	4 326	110	2 821	75	2 428	45	4 862	81	4 179	73
EXTRACTIVE OCCUPATIONS	3 255	79	2 823	77	2 687	63	5 485	152	5 116	142
SUPERVISORS, EXTRACTIVE OCCUPATIONS	1 053	18	995	18	975	18	1 747	-	1 717	-
DRILLERS, OIL WELL	725	2	568	2	531	2	1 437	-	1 306	-
EXPLOSIVES WORKERS	312	2	262	2	235	2	856	18	798	19
MINING MACHINE OPERATORS	732	27	619	27	594	21	750	-	672	-
MINING OCCUPATIONS, N.E.C.	433	30	379	28	352	20	695	134	623	123

TABLE 217. DETAILED OCCUPATION OF THE EXPERIENCED CIVILIAN LABOR FORCE AND EMPLOYED PERSONS BY SEX: 1980 AND 1970 - CON.

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MICHIGAN

	1980						1970			
	EXPERIENCED CIVILIAN LABOR FORCE		EMPLOYED		EMPLOYED USUALLY WORKED FULL TIME IN 1979		EXPERIENCED CIVILIAN LABOR FORCE		EMPLOYED	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
PRECISION PRODUCTION OCCUPATIONS	189 727	24 157	178 391	21 517	170 919	16 679	215 720	28 707	208 996	25 345
SUPERVISORS, PRODUCTION OCCUPATIONS	81 790	8 228	78 224	7 601	76 316	6 799	78 504	4 607	77 137	4 342
NONDURABLE GOODS MANUFACTURING	11 839	1 730	11 357	1 587	11 143	1 474	11 228	1 128	11 048	1 030
DURABLE GOODS MANUFACTURING	55 204	3 252	52 645	2 952	51 503	2 846	53 028	1 125	52 171	1 046
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	4 996	331	4 893	313	4 751	267	4 552	318	4 462	305
WHOLESALE AND RETAIL TRADE	6 859	1 931	6 616	1 819	6 324	1 402	5 990	1 349	5 875	1 298
ALL OTHER INDUSTRIES	2 892	984	2 713	930	2 595	810	3 706	687	3 581	663
PRECISION METALWORKING OCCUPATIONS	69 860	2 272	64 845	1 908	62 440	1 666	81 606	2 293	78 638	1 997
TOOL AND DIE MAKERS	34 967	491	33 237	457	32 239	435	36 715	296	36 130	273
PRECISION ASSEMBLERS, METAL	1 271	176	1 177	128	1 122	109	6 052	1 007	5 357	832
MACHINISTS	19 160	983	17 589	757	16 761	701	20 631	507	19 825	462
BOILERMAKERS	1 181	10	939	10	887	10	948	16	896	16
PRECISION GRINDERS, FILERS, AND TOOL SHARPENERS	1 541	44	1 436	41	1 387	33	3 921	94	3 700	84
PATTERNMAKERS AND MODEL MAKERS, METAL	4 034	76	3 693	66	3 638	61	5 338	108	5 161	84
LAY-OUT WORKERS	537	27	515	22	483	22	474	-	454	-
PRECIOUS STONES AND METALS WORKERS (JEWELERS)	731	206	663	200	596	146	571	123	551	117
ENGRAVERS, METAL	201	177	199	158	166	80	322	52	309	48
SHEET METAL WORKERS	5 992	67	5 178	61	4 949	61	6 516	90	6 139	81
MISCELLANEOUS PRECISION METAL WORKERS	245	15	219	8	212	8	118	-	116	-
PRECISION WOODWORKING OCCUPATIONS	4 196	476	3 855	417	3 494	306	4 529	382	4 295	348
PATTERNMAKERS AND MODEL MAKERS, WOOD	1 629	15	1 508	15	1 481	15	1 369	-	1 324	-
CABINET MAKERS AND BENCH CARPENTERS	1 613	136	1 531	116	1 356	83	2 260	211	2 117	196
FURNITURE AND WOOD FINISHERS	685	296	590	257	431	200	900	171	854	152
MISCELLANEOUS PRECISION WOODWORKERS	269	29	226	29	226	8	-	-	-	-
PRECISION TEXTILE, APPAREL, AND FURNISHINGS MACHINE WORKERS	2 726	4 579	2 548	4 089	2 121	2 425	4 946	4 858	4 777	4 477
DRESSMAKERS	138	3 039	110	2 703	65	1 574	287	3 603	279	3 341
TAILORS	581	627	547	577	478	310	1 092	483	1 052	450
UPHOLSTERERS	1 392	524	1 304	449	1 133	286	2 298	554	2 214	511
SHOE REPAIRERS	564	150	542	135	415	120	1 160	105	1 128	83
APPAREL AND FABRIC PATTERNMAKERS	13	-	7	-	-	-	34	-	32	-
MISCELLANEOUS PRECISION APPAREL AND FABRIC WORKERS	38	239	38	225	30	135	75	113	72	92
PRECISION WORKERS, ASSORTED MATERIALS	6 961	3 817	6 244	3 295	5 758	2 700	13 037	10 940	12 091	9 151
HAND MOLDERS AND SHAPERS, EXCEPT JEWELERS	1 659	217	1 472	192	1 391	184	2 778	339	2 619	276
PATTERNMAKERS, LAY-OUT WORKERS, AND CUTTERS	405	100	361	72	354	68	457	20	448	20
OPTICAL GOODS WORKERS	854	848	827	807	795	520	819	131	797	130
DENTAL LABORATORY AND MEDICAL APPLIANCE TECHNICIANS	1 176	665	1 127	652	955	522	720	216	706	206
BOOKBINDERS	276	625	252	493	224	420	284	798	284	717
ELECTRICAL AND ELECTRONIC EQUIPMENT ASSEMBLERS	455	862	397	718	361	670	5 461	9 397	4 832	7 768
MISCELLANEOUS PRECISION WORKERS, N.E.C.	2 136	500	1 808	361	1 678	316	2 518	39	2 405	34
PRECISION FOOD PRODUCTION OCCUPATIONS	11 507	3 592	10 529	3 168	8 998	1 894	12 367	2 493	12 025	2 285
BUTCHERS AND MEAT CUTTERS	8 538	851	7 852	699	6 921	491	9 199	842	8 984	771
BAKERS	2 517	2 484	2 277	2 251	1 752	1 276	2 677	1 375	2 589	1 290
FOOD BATCHMAKERS	452	257	400	218	325	127	491	276	452	224
PRECISION INSPECTORS, TESTERS, AND RELATED WORKERS	4 389	868	4 095	746	3 991	648	12 393	2 992	11 861	2 614
INSPECTORS, TESTERS, AND GRADERS	4 335	814	4 052	692	3 948	599	12 393	2 549	11 861	2 248
ADJUSTERS AND CALIBRATORS	54	54	43	54	43	49	-	443	-	366
PLANT AND SYSTEM OPERATORS	8 298	325	8 051	293	7 801	241	8 338	142	8 172	131
WATER AND SEWAGE TREATMENT PLANT OPERATORS	1 266	33	1 253	32	1 204	32	688	-	675	-
POWER PLANT OPERATORS	1 269	58	1 251	51	1 236	30	1 219	62	1 216	62
STATIONARY ENGINEERS	4 681	149	4 536	134	4 364	109	5 343	80	5 261	69
MISCELLANEOUS PLANT AND SYSTEM OPERATORS	1 082	85	1 011	76	997	70	1 088	-	1 020	-
OPERATORS, FABRICATORS, AND LABORERS	742 124	227 480	596 846	177 290	529 836	141 315	702 984	175 911	646 114	151 595
MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS	417 486	170 882	335 817	129 816	314 450	113 079	388 084	133 672	360 058	114 017
MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION	232 091	89 677	195 784	70 205	183 452	59 343	252 180	87 070	235 737	74 663
METALWORKING AND PLASTIC WORKING MACHINE OPERATORS	83 106	18 393	69 859	13 413	66 576	12 280	91 765	19 051	85 751	15 766
LATHE AND TURNING MACHINE SET-UP OPERATORS	7 003	243	6 350	204	6 254	186	12 541	315	12 247	299
LATHE AND TURNING MACHINE OPERATORS	11 112	845	9 875	677	9 464	605	10 575	1 360	10 014	1 173
MILLING AND PLANING MACHINE OPERATORS	1 415	151	1 252	141	1 172	133	652	-	616	-
PUNCHING AND STAMPING PRESS MACHINE OPERATORS	20 765	11 100	15 814	7 765	14 920	7 232	23 264	11 494	20 921	9 286
ROLLING MACHINE OPERATORS	923	164	782	152	747	151	1 106	147	1 072	147
DRILLING AND BORING MACHINE OPERATORS	5 484	934	4 937	689	4 729	602	8 893	1 820	8 232	1 488
GRINDING, ABRADING, BUFFING, AND POLISHING MACHINE OPERATORS	27 530	4 460	23 009	3 406	21 714	3 005	28 630	3 334	26 879	2 872
FORGING MACHINE OPERATORS	1 551	68	1 271	60	1 216	60	1 986	67	1 828	67
NUMERICAL CONTROL MACHINE OPERATORS	168	13	168	13	168	13	16	-	15	-
MISCELLANEOUS METAL, PLASTIC, STONE, AND GLASS WORKING MACHINE OPERATORS	7 155	415	6 401	306	6 192	293	4 102	514	3 927	434

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MICHIGAN

	1980						1970			
	EXPERIENCED CIVILIAN LABOR FORCE		EMPLOYED		EMPLOYED USUALLY WORKED FULL TIME IN 1979		EXPERIENCED CIVILIAN LABOR FORCE		EMPLOYED	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
FABRICATING MACHINE OPERATORS, N.E.C.	1 290	713	1 026	551	957	478	2 971	1 081	2 688	899
METAL AND PLASTIC PROCESSING MACHINE OPERATORS	12 410	5 361	10 346	4 099	9 840	3 741	14 775	3 431	13 799	2 896
MOLDING AND CASTING MACHINE OPERATORS	7 404	4 741	6 129	3 579	5 824	3 300	8 138	2 911	7 598	2 448
METAL PLATING MACHINE OPERATORS	1 921	412	1 652	362	1 550	297	2 281	425	2 106	357
HEAT TREATING EQUIPMENT OPERATORS	2 408	92	1 997	75	1 932	67	3 254	95	3 068	91
MISCELLANEOUS METAL AND PLASTIC PROCESSING MACHINE OPERATORS	677	116	568	83	534	77	1 102	-	1 027	-
WOODWORKING MACHINE OPERATORS	4 633	806	3 751	644	3 334	562	5 990	700	5 373	597
WOOD LATHE, ROUTING, AND PLANING MACHINE OPERATORS	198	10	189	8	169	6	321	-	303	-
SAWING MACHINE OPERATORS	3 219	464	2 578	405	2 310	368	4 459	494	3 968	420
SHAPING AND JOINING MACHINE OPERATORS	284	185	212	127	196	106	124	34	115	30
NAILING AND TACKING MACHINE OPERATORS	209	54	170	36	148	29	208	85	169	69
MISCELLANEOUS WOODWORKING MACHINE OPERATORS	723	93	602	68	511	53	878	87	818	78
PRINTING MACHINE OPERATORS	10 593	4 227	10 139	3 861	9 150	2 830	11 792	2 188	11 514	2 050
PRINTING MACHINE OPERATORS	8 287	1 532	7 965	1 372	7 180	1 012	7 703	1 131	7 509	1 050
PHOTOENGRAVERS AND LITHOGRAPHERS	626	193	601	187	569	171	925	203	909	191
TYPESETTERS AND COMPOSITORS	1 010	1 573	948	1 479	819	1 019	2 301	563	2 264	541
MISCELLANEOUS PRINTING MACHINE OPERATORS	670	929	625	823	582	628	863	291	832	268
TEXTILE, APPAREL, AND FURNISHINGS MACHINE OPERATORS	4 826	20 076	3 924	16 147	3 193	12 204	6 493	25 672	6 004	22 626
WINDING AND TWISTING MACHINE OPERATORS	152	40	136	32	132	30	37	135	33	118
KNITTING, LOOPING, TAPING, AND WEAVING MACHINE OPERATORS	37	173	35	143	27	99	107	73	101	67
TEXTILE CUTTING MACHINE OPERATORS	63	50	63	33	63	32	224	151	208	125
TEXTILE SEWING MACHINE OPERATORS	1 021	11 921	675	8 936	622	7 474	715	13 026	656	11 032
SHOE MACHINE OPERATORS	225	483	178	404	170	371	586	1 262	501	1 035
PRESSING MACHINE OPERATORS	347	1 842	265	1 642	186	953	738	4 389	699	4 068
LAUNDERING AND DRY CLEANING MACHINE OPERATORS	2 385	5 223	2 089	4 666	1 546	2 978	2 568	5 953	2 407	5 611
MISCELLANEOUS TEXTILE MACHINE OPERATORS	596	344	483	291	447	267	1 518	683	1 399	570
MACHINE OPERATORS, ASSORTED MATERIALS	115 233	40 101	96 739	31 490	90 402	27 248	118 394	34 947	110 608	29 829
CEMENTING AND GLUING MACHINE OPERATORS	775	794	615	605	568	526	2 168	1 493	2 013	1 325
PACKAGING AND FILLING MACHINE OPERATORS	2 060	2 080	1 734	1 605	1 580	1 298	3 629	2 328	3 360	1 935
EXTRUDING AND FORMING MACHINE OPERATORS	700	115	585	104	560	91	1 288	595	1 204	503
MIXING AND BLENDING MACHINE OPERATORS	3 161	280	2 821	262	2 656	238	4 609	323	4 325	295
SEPARATING, FILTERING, AND CLARIFYING MACHINE OPERATORS	2 233	133	2 145	116	2 088	96	1 983	48	1 889	42
COMPRESSING AND COMPACTING MACHINE OPERATORS	724	144	586	115	502	71	1 128	425	1 055	355
PAINTING AND PAINT SPRAYING MACHINE OPERATORS	10 223	2 451	7 971	1 817	7 380	1 605	10 453	2 163	9 654	1 737
ROASTING AND BAKING MACHINE OPERATORS, FOOD	219	42	172	39	164	35	253	-	241	-
WASHING, CLEANING, AND PICKLING MACHINE OPERATORS	437	133	353	94	340	72	382	16	353	12
FOLDING MACHINE OPERATORS	603	391	553	287	501	244	761	882	714	750
FURNACE, KILN, AND OVEN OPERATORS, EXCEPT FOOD	9 190	388	8 261	322	7 951	315	10 790	541	10 287	494
CRUSHING AND GRINDING MACHINE OPERATORS	2 347	188	1 965	103	1 859	97	2 627	58	2 423	54
SLICING AND CUTTING MACHINE OPERATORS	7 261	2 131	5 949	1 677	5 487	1 469	8 145	2 037	7 587	1 680
MOTION PICTURE PROJECTIONISTS	464	68	452	62	315	24	589	21	581	21
PHOTOGRAPHIC PROCESS MACHINE OPERATORS	1 503	1 883	1 407	1 707	1 103	1 274	1 451	1 420	1 374	1 334
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS	73 333	28 880	61 170	22 575	57 348	19 793	68 138	22 597	63 548	19 292
OCCUPATION:										
MISCELLANEOUS MACHINE OPERATORS, N.E.C.	20 904	7 385	17 744	5 874	16 746	5 015	52 725	16 245	49 202	13 870
MACHINE OPERATORS, NOT SPECIFIED	52 429	21 495	43 426	16 701	40 602	14 778	15 413	6 352	14 346	5 422
INDUSTRY:										
MANUFACTURING	67 812	26 405	56 523	20 454	53 294	18 356	65 113	21 399	60 720	18 242
NONDURABLE GOODS	13 947	9 147	12 155	7 123	11 517	6 104	13 494	5 859	12 779	4 993
FOOD AND KINDRED PRODUCTS	2 928	1 358	2 661	1 076	2 442	856	2 500	720	2 300	553
TOBACCO MANUFACTURES	-	-	-	-	-	-	62	8	60	4
TEXTILE MILL PRODUCTS	153	153	132	104	132	104	-	-	-	-
APPAREL AND OTHER FINISHED TEXTILE PRODUCTS	192	576	140	396	140	346	172	387	149	312
PAPER AND ALLIED PRODUCTS	4 254	1 013	3 962	838	3 884	780	4 700	1 204	4 502	1 063
PRINTING, PUBLISHING, AND ALLIED INDUSTRIES	581	930	527	784	430	530	692	822	657	757
CHEMICALS AND ALLIED PRODUCTS	2 895	1 782	2 632	1 451	2 510	1 249	2 064	639	2 008	573
PETROLEUM AND COAL PRODUCTS	101	11	70	11	70	11	444	16	433	16
RUBBER AND MISCELLANEOUS PLASTICS PRODUCTS	2 672	3 185	1 874	2 353	1 754	2 118	2 687	1 979	2 517	1 653
LEATHER AND LEATHER PRODUCTS	171	139	157	110	155	110	173	84	153	62
DURABLE GOODS	53 146	16 871	43 812	13 048	41 311	12 038	51 121	15 188	47 481	12 953
LUMBER AND WOOD PRODUCTS, EXCEPT FURNITURE	854	227	646	185	605	158	798	131	745	117
FURNITURE AND FIXTURES	1 373	565	1 295	502	1 210	486	730	357	680	296
STONE, CLAY, GLASS, AND CONCRETE PRODUCTS	1 407	525	1 043	439	983	418	1 448	541	1 343	494
PRIMARY METAL INDUSTRIES	6 357	1 253	5 136	916	4 857	869	6 815	1 284	6 321	1 075
BLAST FURNACES, STEELWORKS, ROLLING AND FINISHING MILLS	2 383	341	1 889	248	1 804	222	1 129	44	1 045	36

TABLE 217. DETAILED OCCUPATION OF THE EXPERIENCED CIVILIAN LABOR FORCE AND EMPLOYED PERSONS BY SEX: 1980 AND 1970 - CON.

[DATA ARE ESTIMATES BASED ON A SAMPLE; SEE INTRODUCTION. FOR MEANING OF SYMBOLS, SEE INTRODUCTION. FOR DEFINITIONS OF TERMS, SEE APPENDIXES A AND B]

MICHIGAN

	1980						1970			
	EXPERIENCED CIVILIAN LABOR FORCE		EMPLOYED				EXPERIENCED CIVILIAN LABOR FORCE		EMPLOYED	
					USUALLY WORKED FULL TIME IN 1979					
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS-CON.										
INDUSTRY-CON.										
FABRICATED METAL INDUSTRIES	5 500	2 388	4 529	1 881	4 287	1 758	4 574	2 611	4 187	2 182
MACHINERY, EXCEPT ELECTRICAL	11 175	2 126	9 920	1 755	9 211	1 657	9 837	2 285	9 282	2 088
ELECTRICAL MACHINERY, EQUIPMENT, AND SUPPLIES	1 289	1 391	1 126	1 131	1 063	1 046	1 789	2 047	1 679	1 741
TRANSPORTATION EQUIPMENT	23 801	7 065	18 905	5 112	17 977	4 684	23 936	4 616	22 136	3 843
MOTOR VEHICLES AND MOTOR VEHICLE EQUIPMENT	23 055	6 787	18 256	4 904	17 395	4 485	22 728	4 257	21 026	3 533
OTHER TRANSPORTATION EQUIPMENT	746	278	649	208	582	199	1 208	359	1 110	310
PROFESSIONAL AND PHOTOGRAPHIC EQUIPMENT, AND WATCHES	368	289	347	256	342	239	142	276	135	259
MISCELLANEOUS MANUFACTURING INDUSTRIES	1 022	1 042	865	871	776	723	1 052	1 040	973	858
NOT SPECIFIED MANUFACTURING INDUSTRIES	719	387	556	283	466	214	498	352	460	296
NONMANUFACTURING INDUSTRIES	5 521	2 475	4 647	2 121	4 054	1 437	3 025	1 198	2 828	1 050
CONSTRUCTION	913	58	630	53	571	53	142	-	122	-
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	1 091	232	999	210	939	172	692	182	661	167
WHOLESALE TRADE	1 218	374	1 088	296	1 005	244	1 021	398	949	343
RETAIL TRADE	635	487	540	423	419	195	380	62	355	54
BUSINESS AND REPAIR SERVICES	657	366	510	301	447	210	276	228	257	182
PUBLIC ADMINISTRATION	221	138	200	126	165	78	165	47	165	43
ALL OTHER INDUSTRIES	786	820	680	712	508	485	349	281	319	261
FABRICATORS, ASSEMBLERS, AND HAND WORKING OCCUPATIONS	146 966	61 472	107 242	43 709	99 658	39 237	102 387	31 223	92 538	25 998
WELDERS AND CUTTERS	42 996	4 195	34 186	2 855	32 295	2 566	39 593	3 052	36 706	2 655
SOLDERERS AND BRAZERS	309	488	247	387	216	357	687	915	643	724
ASSEMBLERS	101 063	55 862	70 559	39 706	65 271	35 786	59 712	25 714	52 942	21 288
HAND CUTTING AND TRIMMING OCCUPATIONS	457	109	397	90	339	86	519	200	481	164
HAND MOLDING, CASTING, AND FORMING OCCUPATIONS	454	138	395	112	361	62	281	203	260	180
HAND PAINTING, COATING AND DECORATING OCCUPATIONS	1 054	276	940	241	762	162	1 111	455	1 053	395
HAND ENGRAVING AND PRINTING OCCUPATIONS	51	3	40	3	32	3	21	187	20	172
HAND GRINDING AND POLISHING OCCUPATIONS	109	31	93	25	85	25	202	-	192	-
MISCELLANEOUS HAND WORKING OCCUPATIONS	473	370	385	290	297	190	261	497	241	420
PRODUCTION INSPECTORS, TESTERS, SAMPLERS, AND WEIGHERS	38 429	19 733	32 791	15 902	31 340	14 499	33 517	15 379	31 783	13 356
PRODUCTION INSPECTORS, CHECKERS, AND EXAMINERS	34 462	17 100	29 376	14 013	28 377	13 086	28 100	12 486	26 703	10 977
PRODUCTION TESTERS	2 357	685	2 159	557	2 074	528	3 833	1 013	3 638	890
PRODUCTION SAMPLERS AND WEIGHERS	340	69	282	54	277	44	536	77	497	66
GRADERS AND SORTERS, EXCEPT AGRICULTURAL	1 270	1 879	974	1 278	612	841	1 048	1 803	945	1 423
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	178 189	19 608	148 545	17 701	135 899	7 942	156 687	10 574	144 779	9 886
MOTOR VEHICLE OPERATORS	110 639	16 577	94 400	15 377	84 474	5 831	102 409	8 474	95 440	8 107
SUPERVISORS, MOTOR VEHICLE OPERATORS	1 040	85	1 011	83	970	73	594	82	585	79
TRUCK DRIVERS, HEAVY	68 824	1 562	57 042	1 290	53 775	968	60 786	839	55 630	736
TRUCK DRIVERS, LIGHT	20 131	1 407	17 864	1 227	14 653	659	16 879	987	16 110	912
DRIVER-SALES WORKERS	7 695	732	7 250	655	6 721	323	12 071	164	11 542	152
BUS DRIVERS	5 697	11 601	5 330	11 111	3 933	3 205	4 946	5 627	4 869	5 523
TAXICAB DRIVERS AND CHAUFFEURS	5 798	998	4 738	836	3 769	497	5 985	612	5 638	569
PARKING LOT ATTENDANTS	1 373	179	1 095	169	583	100	1 095	163	1 017	136
MOTOR TRANSPORTATION OCCUPATIONS, N.E.C.	81	13	70	6	70	6	53	-	49	-
RAIL TRANSPORTATION OCCUPATIONS	7 134	88	6 404	71	6 101	59	8 413	147	8 237	140
RAILROAD CONDUCTORS AND YARDMASTERS	1 983	21	1 899	21	1 846	21	1 881	11	1 862	4
LOCOMOTIVE OPERATING OCCUPATIONS	2 018	40	1 904	34	1 784	29	2 628	78	2 566	78
RAILROAD BRAKE, SIGNAL, AND SWITCH OPERATORS	2 896	18	2 382	9	2 252	9	3 576	58	3 491	58
RAIL VEHICLE OPERATORS, N.E.C.	237	9	219	7	219	-	328	-	318	-
WATER TRANSPORTATION OCCUPATIONS	1 362	45	942	29	867	11	1 442	31	1 140	16
SHIP CAPTAINS AND MATES, EXCEPT FISHING BOATS	356	4	274	4	270	4	400	26	336	16
SAILORS AND DECKHANDS	728	38	428	22	359	4	819	5	585	-
MARINE ENGINEERS	98	-	68	-	66	-	-	-	-	-
BRIDGE, LOCK, AND LIGHTHOUSE TENDERS	180	3	172	3	172	3	223	-	219	-
MATERIAL MOVING EQUIPMENT OPERATORS	59 054	2 898	46 799	2 224	44 457	2 041	44 423	1 922	39 962	1 623
SUPERVISORS, MATERIAL MOVING EQUIPMENT OPERATORS	1 517	88	1 462	69	1 424	56	409	-	394	-
OPERATING ENGINEERS	8 883	84	5 880	59	5 586	55	4 451	63	3 607	55
LONGSHORE EQUIPMENT OPERATORS	31	-	13	-	6	-	24	-	19	-
HOIST AND WINCH OPERATORS	831	49	656	23	621	17	848	-	783	-
CRANE AND TOWER OPERATORS	6 667	151	5 617	121	5 196	114	7 969	175	7 405	152
EXCAVATING AND LOADING MACHINE OPERATORS	2 261	27	1 623	25	1 542	21	2 479	-	1 989	-
GRADER, DOZER, AND SCRAPER OPERATORS	2 392	50	1 640	31	1 552	31	3 912	66	3 219	58
INDUSTRIAL TRUCK AND TRACTOR EQUIPMENT OPERATORS	28 080	1 156	23 068	945	22 066	898	19 961	286	18 521	255
MISCELLANEOUS MATERIAL MOVING EQUIPMENT OPERATORS	8 392	1 293	6 840	951	6 464	849	4 370	1 332	4 025	1 103

TABLE 217. DETAILED OCCUPATION OF THE EXPERIENCED CIVILIAN LABOR FORCE AND EMPLOYED PERSONS BY SEX: 1980 AND 1970 - CON.

[DATA ARE ESTIMATES BASED ON A SAMPLE; SEE INTRODUCTION. FOR MEANING OF SYMBOLS, SEE INTRODUCTION. FOR DEFINITIONS OF TERMS, SEE APPENDIXES A AND B]

MICHIGAN

	1980						1970			
	EXPERIENCED CIVILIAN LABOR FORCE		EMPLOYED				EXPERIENCED CIVILIAN LABOR FORCE		EMPLOYED	
					USUALLY WORKED FULL TIME IN 1979					
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS	146 449	36 990	112 484	29 773	79 487	20 294	158 213	31 665	141 277	27 692
SUPERVISORS; HANDLERS, EQUIPMENT CLEANERS, AND LABORERS, N.E.C.	80	9	76	9	76	-	61	-	60	-
HELPERS, MECHANICS AND REPAIRERS	545	59	448	51	307	32	1 036	-	966	-
HELPERS, CONSTRUCTION AND EXTRACTIVE OCCUPATIONS	3 429	81	2 209	54	1 750	43	3 512	12	2 844	12
HELPERS, CONSTRUCTION TRADES	2 917	31	1 814	23	1 399	15	2 730	-	2 136	-
HELPERS, SURVEYOR	291	38	209	21	189	18	381	12	343	12
HELPERS, EXTRACTIVE OCCUPATIONS	221	12	186	10	162	10	401	-	365	-
CONSTRUCTION LABORERS	23 908	672	13 788	362	11 871	276	16 776	282	13 054	251
PRODUCTION HELPERS	2 799	1 053	2 215	886	1 769	645	6 887	1 396	6 401	1 257
FREIGHT, STOCK, AND MATERIAL HANDLERS	48 794	9 885	41 356	8 411	24 375	4 697	58 719	5 823	53 506	5 076
GARBAGE COLLECTORS	2 104	86	1 718	78	1 384	38	2 505	29	2 313	29
STEVEDORES	87	-	42	-	38	-	434	3	342	3
STOCK HANDLERS AND BAGGERS	30 141	7 436	26 403	6 460	11 915	3 114	31 915	3 107	29 288	2 795
MACHINE FEEDERS AND OFFBEARERS	1 789	1 290	1 430	1 002	1 258	849	2 840	1 041	2 579	891
FREIGHT, STOCK, AND MATERIAL HANDLERS, N.E.C.	14 673	1 073	11 763	871	9 780	696	21 025	1 643	18 984	1 358
GARAGE AND SERVICE STATION RELATED OCCUPATIONS	14 226	1 441	11 031	1 142	5 740	568	22 543	665	20 255	606
VEHICLE WASHERS AND EQUIPMENT CLEANERS	7 465	802	5 967	670	3 797	420	7 288	708	6 415	575
HAND PACKERS AND PACKAGERS	7 226	14 938	5 992	12 058	4 864	9 069	8 424	16 020	7 775	14 037
LABORERS, EXCEPT CONSTRUCTION	37 977	8 050	29 402	6 130	24 938	4 544	32 967	6 759	30 001	5 878
MANUFACTURING	20 703	5 034	15 541	3 615	14 150	3 018	17 557	3 361	15 856	2 808
NONDURABLE GOODS	4 211	1 757	3 248	1 356	2 895	1 081	3 680	1 743	3 282	1 431
FOOD AND KINDRED PRODUCTS	1 877	602	1 381	417	1 225	327	1 424	654	1 254	508
TEXTILE MILL AND FINISHED TEXTILE PRODUCTS	131	106	95	81	89	68	384	388	347	337
PAPER AND ALLIED PRODUCTS	728	245	619	209	575	167	422	183	371	131
CHEMICALS AND ALLIED PRODUCTS	871	361	658	306	568	262	573	129	513	111
RUBBER AND MISCELLANEOUS PLASTICS PRODUCTS	367	245	290	179	273	151	339	110	305	105
OTHER NONDURABLE GOODS	237	198	205	164	165	106	538	279	492	239
DURABLE GOODS	16 258	3 192	12 133	2 198	11 115	1 884	13 732	1 573	12 467	1 345
FURNITURE, LUMBER, AND WOOD PRODUCTS	1 175	250	972	203	859	159	788	228	679	186
STONE, CLAY, GLASS, AND CONCRETE PRODUCTS	968	160	631	121	589	104	644	17	608	16
PRIMARY METAL INDUSTRIES	3 983	426	2 835	265	2 597	232	3 799	134	3 480	120
FABRICATED METAL INDUSTRIES	1 773	545	1 295	384	1 173	323	1 087	364	1 006	295
MACHINERY, EXCEPT ELECTRICAL	1 515	285	1 275	218	1 087	184	1 176	67	1 082	57
ELECTRICAL MACHINERY, EQUIPMENT, AND SUPPLIES	279	160	248	133	236	120	361	77	340	67
TRANSPORTATION EQUIPMENT	6 172	1 124	4 583	675	4 330	616	5 516	430	4 944	381
MOTOR VEHICLES AND MOTOR VEHICLE EQUIPMENT	5 940	1 067	4 381	632	4 150	578	5 062	394	4 540	364
OTHER DURABLE GOODS	393	242	294	199	244	146	361	256	328	223
NOT SPECIFIED MANUFACTURING INDUSTRIES	234	85	160	61	140	53	145	45	107	32
NONMANUFACTURING INDUSTRIES	17 274	3 016	13 861	2 515	10 788	1 526	15 410	3 398	14 145	3 070
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	3 880	339	2 995	282	2 625	190	3 265	196	3 080	180
WHOLESALE TRADE	4 700	681	3 974	590	3 384	479	5 060	1 120	4 656	994
RETAIL TRADE	3 443	769	2 864	635	2 040	298	2 929	984	2 691	883
BUSINESS AND REPAIR SERVICES	1 236	196	884	138	579	77	1 003	118	903	94
PUBLIC ADMINISTRATION	1 313	182	976	137	755	95	818	85	742	82
ALL OTHER INDUSTRIES	2 702	849	2 168	733	1 405	387	2 335	895	2 073	837
EXPERIENCED UNEMPLOYED NOT CLASSIFIED BY OCCUPATION	7 135	12 692	...	...	...	...	1 980	2 974	...	...
LAST JOB ARMED FORCES	1 931	237	...	...	...	...	1 353	40	...	...
LAST WORKED 1974 OR EARLIER	5 204	12 455	...	...	...	...	627	2 934	...	...

TABLE 218. DETAILED OCCUPATION OF THE EXPERIENCED CIVILIAN LABOR FORCE BY SEX, RACE, AND SPANISH ORIGIN: 1980

[DATA ARE ESTIMATES BASED ON A SAMPLE; SEE INTRODUCTION. FOR MEANING OF SYMBOLS, SEE INTRODUCTION. FOR DEFINITIONS OF TERMS, SEE APPENDIXES A AND B]

MICHIGAN

	TOTAL												RURAL	
	TOTAL		WHITE		BLACK		AMER. INDIAN, ESKIMO / ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)			
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
EXPERIENCED CIVILIAN LABOR FORCE 16 YEARS AND OVER	2 458 373	1 732 329	2 181 938	1 488 504	235 416	215 996	10 593	6 958	15 220	11 520	36 219	24 203	720 507	451 029
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS	499 675	326 140	465 003	287 003	24 738	33 070	1 039	957	7 696	4 117	4 142	3 157	114 924	75 258
EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS	250 985	104 892	236 338	93 454	11 982	10 183	556	382	1 562	528	1 767	920	60 663	23 836
LEGISLATORS, CHIEF EXECUTIVES AND GENERAL ADMINISTRATORS; PUBLIC ADMINISTRATION	1 569	511	1 344	371	195	127	13	13	-	-	12	6	514	142
ADMINISTRATORS AND OFFICIALS, PUBLIC ADMINISTRATION	6 338	3 837	5 630	3 227	603	584	61	21	42	-	33	30	1 880	1 489
FEDERAL	1 282	578	1 113	401	135	167	34	10	-	-	-	-	262	96
STATE	1 982	798	1 749	612	207	178	8	8	16	-	21	11	630	165
LOCAL	3 074	2 461	2 768	2 214	261	239	19	3	26	-	12	19	988	1 228
ADMINISTRATORS, PROTECTIVE SERVICES	750	85	714	85	34	-	2	-	-	-	12	-	258	22
FINANCIAL MANAGERS	10 030	5 386	9 572	5 010	370	341	8	2	72	12	28	44	2 090	1 250
PERSONNEL AND LABOR RELATIONS MANAGERS	6 054	2 805	5 610	2 470	389	303	-	13	41	6	63	26	1 384	580
PURCHASING MANAGERS	2 052	435	2 010	407	19	28	-	-	23	-	13	-	338	61
MANAGERS, MARKETING, ADVERTISING, AND PUBLIC RELATIONS	21 674	4 398	21 013	4 154	507	223	26	2	105	15	106	13	4 469	828
ADMINISTRATORS, EDUCATION AND RELATED FIELDS	10 621	5 364	9 526	4 442	984	869	25	27	55	4	72	80	3 081	1 020
MANAGERS, MEDICINE AND HEALTH	2 057	1 927	1 842	1 605	193	272	9	21	13	25	7	14	414	462
MANAGERS, PROPERTIES AND REAL ESTATE	3 369	2 358	3 148	2 008	197	326	24	13	-	-	9	24	574	286
POSTMASTERS AND MAIL SUPERINTENDENTS	582	315	573	312	7	3	-	-	-	-	5	4	364	285
FUNERAL DIRECTORS	1 338	113	1 241	99	97	14	-	-	-	-	-	-	342	15
MANAGERS AND ADMINISTRATORS, N.E.C., SALARIED	110 485	39 473	105 112	36 306	4 144	2 735	223	173	715	147	835	337	27 858	8 584
CONSTRUCTION	5 792	622	5 627	563	105	52	26	7	8	-	20	-	1 895	149
MANUFACTURING	38 092	3 736	37 100	3 594	676	126	51	-	242	16	191	17	10 199	858
NONDURABLE GOODS	9 423	1 249	9 165	1 186	155	47	30	-	61	16	47	9	2 804	318
DURABLE GOODS	28 669	2 487	27 935	2 408	521	79	21	-	181	-	144	8	7 395	540
TRANSPORTATION	4 652	730	4 477	700	130	30	18	-	11	-	45	12	1 188	153
COMMUNICATIONS, UTILITIES AND SANITARY SERVICES	2 927	1 173	2 717	992	173	168	12	11	15	2	10	2	822	176
WHOLESALE TRADE	8 930	1 715	8 736	1 655	125	60	13	-	51	-	15	14	2 386	346
RETAIL TRADE	21 749	12 362	20 332	11 665	1 106	574	31	28	179	68	254	119	4 850	2 826
GENERAL MERCHANDISE STORES	1 515	1 095	1 368	1 023	118	67	-	-	18	-	26	11	248	233
FOOD, BAKERY, AND DAIRY STORES	2 259	769	2 150	744	99	4	4	-	6	21	5	-	696	155
AUTOMOTIVE DEALERS AND GASOLINE STATIONS	2 682	813	2 642	807	33	-	-	-	7	6	12	-	742	292
EATING AND DRINKING PLACES	9 747	6 600	8 854	6 107	689	426	21	15	114	39	161	87	1 853	1 624
OTHER RETAIL TRADE	5 546	3 085	5 318	2 984	167	77	6	13	34	2	50	21	1 311	522
FINANCE, INSURANCE, AND REAL ESTATE	5 152	3 002	4 922	2 787	183	197	-	-	28	18	35	5	1 033	586
BUSINESS AND REPAIR SERVICES	5 470	1 895	5 199	1 777	228	113	11	5	26	-	33	22	1 135	288
PERSONAL SERVICES	2 521	1 878	2 307	1 695	186	135	5	22	7	8	37	18	748	586
ALL OTHER INDUSTRIES	15 200	12 360	13 695	10 878	1 232	1 280	56	100	148	35	195	128	3 602	2 616
MANAGERS AND ADMINISTRATORS, N.E.C., SELF-EMPLOYED	13 746	4 862	13 007	4 571	543	176	28	9	129	78	109	66	5 149	2 029
CONSTRUCTION	1 957	50	1 869	44	84	-	3	-	-	-	6	-	907	23
MANUFACTURING	1 846	224	1 805	208	38	3	3	-	-	7	7	6	719	83
NONDURABLE GOODS	704	127	663	124	38	3	3	-	-	-	7	-	197	44
DURABLE GOODS	1 142	97	1 142	84	-	-	-	-	-	7	-	6	522	39
TRANSPORTATION	405	71	391	71	12	-	-	-	-	-	7	-	215	34
COMMUNICATIONS, UTILITIES AND SANITARY SERVICES	55	6	47	6	8	-	-	-	-	-	-	-	23	-
WHOLESALE TRADE	486	153	464	153	22	-	-	-	-	-	-	-	204	57
RETAIL TRADE	5 134	2 486	4 770	2 307	217	89	20	9	117	71	29	42	1 628	1 087
GENERAL MERCHANDISE STORES	41	19	35	19	6	-	-	-	-	-	-	-	21	19
FOOD, BAKERY, AND DAIRY STORES	490	177	433	163	41	12	-	-	16	2	9	2	131	63
AUTOMOTIVE DEALERS AND GASOLINE STATIONS	188	12	175	12	11	-	2	-	-	-	2	-	66	7
EATING AND DRINKING PLACES	3 356	1 693	3 122	1 552	129	67	8	2	87	69	18	13	1 121	772
OTHER RETAIL TRADE	1 059	585	1 005	561	30	10	10	7	14	-	-	27	289	226
FINANCE, INSURANCE, AND REAL ESTATE	318	133	307	133	11	-	-	-	-	-	-	-	77	37
BUSINESS AND REPAIR SERVICES	1 270	283	1 219	276	47	7	-	-	-	-	12	-	432	72
PERSONAL SERVICES	1 233	753	1 144	700	81	53	2	-	6	-	10	12	532	380
ALL OTHER INDUSTRIES	1 042	703	991	673	23	24	-	-	6	-	38	6	412	256
MANAGEMENT RELATED OCCUPATIONS	60 320	33 023	55 996	28 387	3 700	4 182	137	88	367	241	463	276	11 948	6 783
ACCOUNTANTS AND AUDITORS	24 559	13 347	23 100	11 478	1 109	1 629	46	21	267	157	200	103	3 927	2 553
UNDERWRITERS	217	169	203	163	14	6	-	-	-	-	-	-	6	19
OTHER FINANCIAL OFFICERS	7 220	5 521	6 855	5 058	311	436	7	-	21	20	49	19	1 445	1 549
MANAGEMENT ANALYSTS	2 254	817	2 155	712	85	96	14	2	-	4	-	3	322	139
PERSONNEL, TRAINING, AND LABOR RELATIONS SPECIALISTS	10 837	7 293	9 557	5 702	1 173	1 459	36	49	34	45	95	119	2 470	1 350
PURCHASING AGENTS AND BUYERS, FARM PRODUCTS	211	16	203	16	8	-	-	-	-	-	-	-	136	5
BUYERS, WHOLESALE AND RETAIL TRADE EXCEPT FARM PRODUCTS	2 932	2 381	2 895	2 260	16	88	7	16	14	11	31	6	614	399
PURCHASING AGENTS AND BUYERS, N.E.C.	5 928	2 040	5 672	1 835	227	196	8	-	14	-	38	26	1 506	471
BUSINESS AND PROMOTION AGENTS	363	215	307	204	56	11	-	-	-	-	-	-	59	60
CONSTRUCTION INSPECTORS	1 764	46	1 585	46	165	-	7	-	7	-	-	-	533	26
INSPECTORS AND COMPLIANCE OFFICERS, EXC. CONSTRUCTION	3 625	772	3 082	591	508	181	12	-	10	-	44	-	890	159
MANAGEMENT RELATED OCCUPATIONS, N.E.C.	410	406	382	322	28	80	-	-	-	4	6	-	40	53
PROFESSIONAL SPECIALTY OCCUPATIONS	248 690	221 248	228 665	193 549	12 756	22 887	483	575	6 134	3 589	2 375	2 237	54 261	51 422
ENGINEERS, ARCHITECTS, AND SURVEYORS	66 169	2 950	61 848	2 511	1 959	347	103	7	2 134	85	526	43	14 122	478
ARCHITECTS	2 952	218	2 800	199	69	4	-	-	70	15	66	14	547	13
ENGINEERS	62 378	2 670	58 220	2 256	1 884	337	103	7	2 059	70	447	29	13 284	438
AEROSPACE	488	4	462	4	13	-	-	-	13	-	5	-	101	-
METALLURGICAL AND MATERIALS	1 731	57	1 661	57	47	-	2	-	16	-	11	-	342	6
MINING	92	10	92	10	-	-	-	-	-	-	-	-	37	-
PETROLEUM	124	4	119	4	5	-	-	-	-	-	-	-	65	2
CHEMICAL	2 063	128	1 945	93	21	12	-	7	97	16	35	-	502	14
NUCLEAR	159	9	141	9	6	-	6	-	6	-	-	-	43	-
CIVIL	5 557	171	5 012	140	216	12	7	-	313	19	60	-	1 359	30
AGRICULTURAL	189	14	169	14	8	-	-	-	12	-	-	-	40	2
ELECTRICAL AND ELECTRONIC	7 471	451	6 985	372	215	79	-	-	245	-	55	-	1 870	73
INDUSTRIAL	9 361	705	8 906	632	292	73	11	-	137	-	63	17	2 312	174
MECHANICAL	25 947	722	24 217	593	833	94	46	-	835	35	155	12	4 528	72
MARINE AND NAVAL ARCHITECTS	306	19	280	19	-	-	3	-	23	-	-	-	80	2
ENGINEERS, N.E.C.	8 890	376	8 231	309	228	67	28	-	362	-	63	-	2 005	63
SURVEYORS AND MAPPING SCIENTISTS	839	62	828	56	6	6	-	-	5	-	13	-	291	27

(1) PERSONS OF SPANISH ORIGIN MAY BE OF ANY RACE.

TABLE 218. DETAILED OCCUPATION OF THE EXPERIENCED CIVILIAN LABOR FORCE BY SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

[DATA ARE ESTIMATES BASED ON A SAMPLE; SEE INTRODUCTION. FOR MEANING OF SYMBOLS, SEE INTRODUCTION. FOR DEFINITIONS OF TERMS, SEE APPENDIXES A AND B]

MICHIGAN

	TOTAL												RURAL	
	TOTAL		WHITE		BLACK		AMER. INDIAN, ESKIMO / ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)			
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
MATHEMATICAL AND COMPUTER SCIENTISTS	9 093	2 919	8 346	2 603	416	262	21	-	289	38	72	35	1 241	335
COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS	5 973	1 611	5 523	1 436	211	168	8	-	222	7	46	19	913	184
OPERATIONS AND SYSTEMS RESEARCHERS AND ANALYSTS	2 283	841	2 061	745	163	73	13	-	34	13	20	10	209	134
ACTUARIES	154	51	154	51	-	-	-	-	-	-	-	-	18	-
STATISTICIANS	667	416	592	371	42	21	-	-	33	18	6	6	96	17
MATHEMATICAL SCIENTISTS, N.E.C.	16	-	16	-	-	-	-	-	-	-	-	-	5	-
NATURAL SCIENTISTS	7 115	1 946	6 437	1 688	298	143	13	6	349	93	63	24	1 925	388
PHYSICISTS AND ASTRONOMERS	309	10	291	10	-	-	-	-	18	-	-	-	58	-
CHEMISTS, EXCEPT BIOCHEMISTS	3 530	690	3 067	567	241	52	-	-	209	58	24	21	682	89
ATMOSPHERIC AND SPACE SCIENTISTS	141	74	127	74	6	-	-	-	8	-	-	-	49	12
GEOLOGISTS AND GEODESISTS	352	47	333	47	-	-	-	-	14	-	5	-	91	8
PHYSICAL SCIENTISTS, N.E.C.	156	44	156	33	-	11	-	-	-	-	-	-	32	8
AGRICULTURAL AND FOOD SCIENTISTS	440	153	434	144	6	6	-	-	-	-	14	3	149	50
BIOLOGICAL AND LIFE SCIENTISTS	962	494	919	442	7	37	6	-	30	15	-	-	249	109
FORESTRY AND CONSERVATION SCIENTISTS	794	109	764	106	14	-	7	3	9	-	5	-	517	70
MEDICAL SCIENTISTS	431	325	346	265	24	37	-	3	61	20	15	-	98	42
HEALTH DIAGNOSING OCCUPATIONS	22 705	2 913	19 760	2 009	800	258	20	12	2 027	619	445	68	4 075	362
PHYSICIANS	14 489	2 399	11 795	1 528	626	232	13	5	1 957	619	421	66	2 063	254
DENTISTS	5 184	230	4 965	201	156	22	7	7	56	-	18	2	1 013	8
VETERINARIANS	1 125	147	1 108	143	3	4	-	-	14	-	-	-	540	63
OPTOMETRISTS	841	76	841	76	-	-	-	-	-	-	6	-	195	21
PODIATRISTS	331	12	328	12	3	-	-	-	-	-	-	-	51	-
HEALTH DIAGNOSING PRACTITIONERS, N.E.C.	735	49	723	49	12	-	-	-	-	-	-	-	213	16
HEALTH ASSESSMENT AND TREATING OCCUPATIONS	9 759	55 946	8 891	49 694	648	4 254	23	92	182	1 791	127	559	2 209	13 273
REGISTERED NURSES	1 894	45 862	1 595	40 831	228	3 267	12	72	59	1 596	33	502	473	11 183
PHARMACISTS	4 539	1 566	4 376	1 413	102	124	2	-	59	29	7	12	1 033	294
DIETITIANS	147	2 193	126	1 770	21	355	-	5	-	56	17	19	13	407
THERAPISTS	2 424	5 828	2 155	5 249	232	473	9	15	28	79	36	26	521	1 298
INHALATION THERAPISTS	1 092	1 430	983	1 192	95	224	9	2	5	7	14	6	216	286
OCCUPATIONAL THERAPISTS	66	925	49	877	12	43	-	-	5	5	-	-	15	181
PHYSICAL THERAPISTS	391	1 161	359	1 061	20	45	-	7	12	41	6	7	98	270
SPEECH THERAPISTS	234	1 228	226	1 152	8	76	-	-	-	-	1	7	58	332
THERAPISTS, N.E.C.	641	1 084	538	967	97	85	-	6	6	26	15	6	134	229
PHYSICIANS' ASSISTANTS	755	497	639	431	65	35	-	-	36	31	34	-	169	91
TEACHERS, POSTSECONDARY	15 701	8 494	14 459	7 677	553	560	39	31	560	195	239	173	2 822	1 545
BIOLOGICAL SCIENCE TEACHERS	253	65	253	65	-	-	-	-	-	-	-	-	73	6
CHEMISTRY TEACHERS	269	77	256	72	-	-	-	-	13	5	-	6	26	3
PHYSICS TEACHERS	210	38	199	38	-	-	-	-	11	-	-	-	32	11
OTHER NATURAL SCIENCE TEACHERS	91	18	86	18	-	-	-	-	5	-	2	-	18	6
PSYCHOLOGY TEACHERS	107	106	83	92	6	-	18	-	-	-	6	27	30	14
ECONOMICS TEACHERS	171	32	171	29	-	-	-	-	-	3	7	-	29	18
HISTORY TEACHERS	168	82	160	75	8	7	-	-	-	-	6	-	33	13
OTHER SOCIAL SCIENCE TEACHERS	215	69	187	69	7	-	5	-	10	-	6	8	41	20
ENGINEERING TEACHERS	449	47	398	47	6	-	2	-	31	-	19	-	108	5
MATHEMATICAL AND COMPUTER SCIENCE TEACHERS	502	252	454	231	18	9	-	-	22	7	20	4	98	45
MEDICAL SCIENCE TEACHERS	308	96	295	90	13	-	-	-	-	6	20	-	68	12
HEALTH SPECIALTIES TEACHERS	115	877	115	803	-	44	-	5	-	25	-	17	14	226
BUSINESS, COMMERCE, AND MARKETING TEACHERS	226	176	205	144	10	27	-	-	11	5	-	-	64	38
ART, DRAMA, AND MUSIC TEACHERS	460	418	448	385	12	20	-	6	-	7	-	-	91	97
ENGLISH TEACHERS	336	419	336	386	-	33	-	-	-	-	6	-	46	77
FOREIGN LANGUAGE TEACHERS	122	185	112	180	-	-	-	-	10	5	10	32	19	11
OTHER SPECIFIED TEACHERS	643	382	629	333	14	40	-	-	-	9	13	-	151	71
POSTSECONDARY TEACHERS, SUBJECT NOT SPECIFIED	11 056	5 155	10 072	4 620	459	380	14	20	447	123	124	79	1 881	872
TEACHERS, EXCEPT POSTSECONDARY	46 781	97 071	43 426	85 857	2 949	10 329	101	219	207	445	262	730	14 603	25 556
TEACHERS, PREKINDERGARTEN AND KINDERGARTEN	233	5 197	156	4 637	72	511	-	14	-	26	-	26	44	1 219
TEACHERS, ELEMENTARY SCHOOL	27 066	66 154	25 092	57 865	1 722	7 707	63	137	139	301	142	483	8 517	18 033
TEACHERS, SECONDARY SCHOOL	15 640	17 962	14 712	16 150	837	1 655	29	34	28	63	86	174	5 217	4 647
TEACHERS, SPECIAL EDUCATION	285	738	278	682	7	56	-	-	-	-	-	2	79	186
TEACHERS, N.E.C.	3 557	7 020	3 188	6 523	311	400	9	34	40	55	34	45	746	1 471
COUNSELORS, EDUCATIONAL AND VOCATIONAL	3 693	4 397	3 124	3 382	539	893	6	31	24	43	28	88	789	639
LIBRARIANS, ARCHIVISTS, AND CURATORS	1 308	5 895	1 215	5 308	59	508	5	13	29	52	9	41	219	1 474
LIBRARIANS	1 175	5 665	1 093	5 108	53	478	5	13	24	52	-	41	193	1 448
ARCHIVISTS AND CURATORS	133	230	122	200	6	30	-	-	5	-	9	-	26	26
SOCIAL SCIENTISTS AND URBAN PLANNERS	4 687	2 524	4 338	2 229	226	234	-	13	71	42	92	28	639	374
ECONOMISTS	2 106	818	1 924	678	116	136	-	-	53	4	15	-	229	123
PSYCHOLOGISTS	2 097	1 451	1 992	1 350	76	60	-	7	6	28	49	13	365	228
SOCIOLOGISTS	36	18	29	18	-	-	-	-	-	-	7	-	-	9
SOCIAL SCIENTISTS, N.E.C.	153	70	136	64	7	-	-	6	6	-	16	7	20	13
URBAN PLANNERS	295	167	257	119	27	38	-	-	6	10	5	8	25	1
SOCIAL, RECREATION, AND RELIGIOUS WORKERS	17 895	16 865	15 711	12 749	2 050	3 846	37	64	49	68	203	249	4 830	3 343
SOCIAL WORKERS	7 433	14 188	6 055	10 255	1 330	3 678	15	52	12	68	113	246	1 628	2 756
RECREATION WORKERS	460	783	291	677	154	96	6	7	-	-	16	3	55	259
CLERGY	9 432	605	8 834	578	529	27	14	-	37	-	69	-	3 035	121
RELIGIOUS WORKERS, N.E.C.	570	1 289	531	1 239	37	45	2	5	-	-	5	-	112	207
LAWYERS AND JUDGES	15 159	2 254	14 508	1 999	594	250	18	5	25	-	88	13	2 027	226
LAWYERS	14 275	2 077	13 713	1 877	509	195	14	5	25	-	88	13	1 828	180
JUDGES	884	177	795	122	85	55	4	-	-	-	-	-	199	46
WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES	28 625	17 074	26 602	15 843	1 665	1 003	97	82	188	118	221	186	4 760	3 429
AUTHORS	391	366	387	344	-	22	2	-	2	-	-	-	90	85
TECHNICAL WRITERS	1 088	470	1 014	417	60	53	7	-	7	-	2	-	198	36
DESIGNERS	9 454	5 332	9 137	5 114	231	146	7	20	66	46	45	50	1 620	1 303
MUSICIANS AND COMPOSERS	3 067	1 573	2 681	1 398	335	163	33	6	13	6	30	7	448	282
ACTORS AND DIRECTORS	831	386	742	337	79	49	-	-	10	-	5	-	80	51
PAINTERS, SCULPTORS, CRAFT-ARTISTS, AND ARTIST PRINTMAKERS	2 607	2 092	2 418	2 034	125	21	17	14	17	8	30	20	486	349
PHOTOGRAPHERS	2 576	808	2 379	773	156	28	-	-	22	5	41	2	355	189
DANCERS	39	114	39	104	-	10	-	-	-	-	-	-	15	7
ARTISTS, PERFORMERS AND RELATED WORKERS, N.E.C.	830	713	685	656	130	57	11	-	4	-	-	21	174	161
EDITORS AND REPORTERS	2 927	2 609	2 832	2 361	63	174	6	28	20	41	24	49	430	471
PUBLIC RELATIONS SPECIALISTS	2 068	1 703	1 901	1 486	163	204	-	7	4	6	6	16	286	268
ANNOUNCERS	1 330	331	1 147	281	163	42	4	2	16	6	15	-	248	48
ATHLETES	1 417	577	1 240	538	160	34	10	5	7	-	23	21	330	179

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MICHIGAN

	TOTAL												RURAL	
	TOTAL		WHITE		BLACK		AMER. INDIAN, ESKIMO / ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)			
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS	396 938	768 519	364 016	677 570	27 950	81 921	1 050	2 302	2 425	3 457	4 101	9 059	91 072	181 147
TECHNICIANS AND RELATED SUPPORT OCCUPATIONS	62 998	52 494	58 144	44 662	3 393	6 686	165	200	1 038	740	706	611	12 822	12 890
HEALTH TECHNOLOGISTS AND TECHNICIANS	6 475	37 134	5 451	31 216	745	5 228	17	121	204	474	104	361	1 257	9 830
CLINICAL LABORATORY TECHNOLOGISTS AND TECHNICIANS	2 425	7 413	2 010	6 008	296	1 021	-	13	107	341	23	96	441	1 287
DENTAL HYGIENISTS	19	2 428	19	2 373	-	55	-	-	-	-	-	16	-	614
HEALTH RECORD TECHNOLOGISTS AND TECHNICIANS	26	688	13	602	13	80	-	-	-	6	-	28	13	134
RADIOLOGIC TECHNICIANS	1 227	2 982	1 029	2 580	154	372	5	16	17	14	34	15	289	604
LICENSED PRACTICAL NURSES	695	19 765	564	16 506	123	3 023	5	90	3	81	-	173	214	6 386
HEALTH TECHNOLOGISTS AND TECHNICIANS, N.E.C.	2 083	3 858	1 816	3 147	159	677	7	2	77	32	47	33	300	805
ENGINEERING AND RELATED TECHNOLOGISTS AND TECHNICIANS	34 199	4 516	32 167	3 897	1 556	502	96	41	284	55	327	68	7 160	928
ELECTRICAL AND ELECTRONIC TECHNICIANS	5 517	599	5 232	451	229	145	17	-	33	-	20	18	1 133	116
INDUSTRIAL ENGINEERING TECHNICIANS	365	67	353	61	6	-	-	-	6	-	-	6	89	9
MECHANICAL ENGINEERING TECHNICIANS	1 815	72	1 705	65	77	7	-	-	19	-	31	-	347	-
ENGINEERING TECHNICIANS, N.E.C.	8 444	1 702	7 845	1 497	516	168	28	9	46	26	52	16	2 013	432
DRAFTING OCCUPATIONS	17 040	1 921	16 043	1 729	711	140	39	22	180	23	224	25	3 059	320
SURVEYING AND MAPPING TECHNICIANS	1 018	155	989	94	17	42	12	10	-	6	-	3	519	51
SCIENCE TECHNICIANS	4 825	2 130	4 297	1 794	356	220	30	20	115	62	30	47	1 221	658
BIOLOGICAL TECHNICIANS	939	738	854	624	56	92	16	-	13	16	-	6	326	313
CHEMICAL TECHNICIANS	2 348	631	2 057	521	210	58	12	6	47	35	17	16	495	158
SCIENCE TECHNICIANS, N.E.C.	1 538	761	1 386	649	90	70	2	14	55	11	13	25	400	187
TECHNICIANS, EXCEPT HEALTH, ENGINEERING, AND SCIENCE	17 499	8 714	16 229	7 755	736	736	22	18	435	149	245	135	3 184	1 474
AIRPLANE PILOTS AND NAVIGATORS	1 234	9	1 234	9	-	-	-	-	-	-	13	-	356	-
AIR TRAFFIC CONTROLLERS	552	153	470	120	49	29	-	-	18	4	15	-	107	30
BROADCAST EQUIPMENT OPERATORS	1 254	910	1 206	856	48	48	-	6	-	-	13	11	338	246
COMPUTER PROGRAMMERS	7 013	3 151	6 539	2 776	350	289	15	5	88	68	70	36	1 039	431
TOOL PROGRAMMERS, NUMERICAL CONTROL	304	70	298	53	6	11	-	-	-	6	-	-	24	4
LEGAL ASSISTANTS	489	1 230	462	1 140	13	79	-	-	7	-	6	37	94	298
TECHNICIANS, N.E.C.	6 653	3 191	6 020	2 801	270	280	7	7	322	71	128	51	1 226	465
SALES OCCUPATIONS	188 314	198 728	178 388	181 655	8 399	15 053	450	579	642	769	1 473	2 319	47 586	48 489
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS, SALARIED	30 165	11 995	28 702	11 314	1 159	578	68	21	140	58	288	116	8 320	2 923
MANUFACTURING	1 745	183	1 666	172	70	6	-	-	-	5	37	-	431	55
WHOLESALE TRADE	3 360	295	3 238	285	99	10	5	-	18	-	11	-	982	76
RETAIL TRADE	23 057	10 890	21 894	10 286	891	509	63	20	122	53	234	103	6 401	2 690
ALL OTHER INDUSTRIES	2 003	627	1 904	571	99	53	-	1	-	-	6	13	506	102
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS, SELF-EMPLOYED	9 710	3 541	9 226	3 333	380	150	12	9	59	32	89	33	3 814	1 740
MANUFACTURING	81	27	81	27	-	-	-	-	-	-	-	-	25	20
WHOLESALE TRADE	933	93	887	86	34	-	-	-	12	7	17	5	345	56
RETAIL TRADE	8 368	3 394	7 951	3 193	338	150	7	9	39	25	72	28	3 344	1 645
ALL OTHER INDUSTRIES	328	27	307	27	8	-	5	-	8	-	-	-	100	19
SALES REPRESENTATIVES, FINANCE AND BUSINESS SERVICES	40 115	20 678	38 100	19 417	1 734	1 122	108	59	134	62	217	175	9 850	4 820
INSURANCE SALES OCCUPATIONS	14 613	4 542	13 629	3 973	831	539	39	19	102	9	57	61	3 688	827
REAL ESTATE SALES OCCUPATIONS	12 183	9 324	11 753	8 982	377	282	27	30	14	28	56	40	3 619	2 883
SECURITIES AND FINANCIAL SERVICES SALES OCCUPATIONS	2 427	502	2 332	486	82	16	7	-	-	-	15	-	336	44
ADVERTISING AND RELATED SALES OCCUPATIONS	2 745	1 642	2 611	1 584	123	58	7	-	-	-	19	13	552	348
SALES OCCUPATIONS, OTHER BUSINESS SERVICES	8 147	4 668	7 775	4 392	321	227	28	10	18	25	70	61	1 655	718
SALES REPRESENTATIVES, COMMODITIES, EXCEPT RETAIL	41 174	6 114	39 943	5 726	1 012	350	92	17	98	16	144	47	9 356	1 206
SALES ENGINEERS	3 203	36	3 156	36	18	-	-	-	29	-	7	-	589	12
SALES REPRESENTATIVES, MINING, MANUFACTURING, AND WHOLESALE	37 971	6 078	36 787	5 690	994	350	92	17	69	16	137	47	8 767	1 194
WHOLESALE TRADE	24 243	3 837	23 491	3 523	629	297	77	11	35	6	71	21	5 696	707
SALES WORKERS, RETAIL AND PERSONAL SERVICES	66 673	155 816	61 968	141 305	4 093	12 841	163	471	211	595	731	1 942	16 093	37 664
SALES WORKERS, MOTOR VEHICLES AND BOATS	9 653	909	9 323	877	277	25	13	-	5	7	104	14	2 936	262
SALES WORKERS, APPAREL	3 455	15 604	3 029	14 042	362	1 361	11	32	48	100	11	235	507	2 724
SALES WORKERS, SHOES	2 116	2 712	1 780	2 576	324	125	12	-	-	11	26	26	319	532
SALES WORKERS, FURNITURE AND HOME FURNISHINGS	3 424	2 626	3 261	2 542	147	70	-	7	6	-	32	32	767	823
SALES WORKERS, RADIO, TV, HI-FI, AND APPLIANCES	3 827	1 762	3 493	1 641	323	111	-	-	11	10	28	5	757	364
SALES WORKERS, HARDWARE AND BUILDING SUPPLIES	5 929	2 272	5 768	2 220	122	24	20	8	13	11	31	18	2 196	846
SALES WORKERS, PARTS	6 976	559	6 814	519	123	34	16	6	14	-	48	-	2 295	230
SALES WORKERS, OTHER COMMODITIES	15 021	48 317	13 887	44 736	953	3 136	40	119	43	150	202	507	2 905	11 040
RETAIL TRADE	13 682	47 081	12 669	43 719	855	2 927	36	114	30	145	183	501	2 673	10 815
PERSONAL, BUSINESS AND REPAIR SERVICES	178	208	163	200	15	8	-	-	-	-	6	-	22	33
ALL OTHER INDUSTRIES	1 161	1 028	1 055	817	83	201	4	5	13	5	13	6	210	192
SALES COUNTER CLERKS	824	3 622	769	3 200	55	387	-	11	-	20	6	28	162	697
CASHIERS	10 648	68 685	9 330	60 648	1 163	7 200	38	251	64	273	217	994	2 280	16 933
STREET AND DOOR-TO-DOOR SALES WORKERS	1 563	7 197	1 490	6 822	57	325	-	22	7	13	-	61	315	2 521
NEWS VENDORS	3 237	1 551	3 024	1 482	187	43	13	15	-	-	26	22	654	692
SALES RELATED OCCUPATIONS	477	584	449	560	21	12	7	2	-	6	4	6	153	136
DEMONSTRATORS, PROMOTERS AND MODELS, SALES	128	402	120	386	5	12	3	-	-	-	-	6	24	108
AUCTIONEERS	175	11	175	11	-	-	-	-	-	-	-	-	93	4
SALES SUPPORT OCCUPATIONS, N.E.C.	174	171	154	163	16	-	4	2	-	6	4	-	36	24
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL	145 626	517 297	127 484	451 253	16 158	60 182	435	1 523	745	1 948	1 922	6 129	30 664	119 768
SUPERVISORS, ADMINISTRATIVE SUPPORT OCCUPATIONS	22 269	19 211	20 374	16 565	1 723	2 507	44	33	84	61	148	147	4 876	4 100
SUPERVISORS, GENERAL OFFICE	10 112	13 865	9 049	11 981	970	1 791	27	33	42	26	65	100	2 423	3 125
SUPERVISORS, COMPUTER EQUIPMENT OPERATORS	1 364	367	1 307	326	57	41	-	-	-	-	5	-	239	53
SUPERVISORS, FINANCIAL RECORDS PROCESSING	3 974	2 967	3 795	2 671	132	265	6	-	35	31	21	24	565	520
CHIEF COMMUNICATIONS OPERATORS	1 475	775	1 343	606	125	169	-	-	7	-	-	7	402	138
SUPERVISORS; DISTRIBUTION, SCHEDULING, AND ADJUSTING CLERKS	5 344	1 237	4 880	981	439	241	11	-	-	4	57	16	1 247	264

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TABLE 218. DETAILED OCCUPATION OF THE EXPERIENCED CIVILIAN LABOR FORCE BY SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

[DATA ARE ESTIMATES BASED ON A SAMPLE; SEE INTRODUCTION. FOR MEANING OF SYMBOLS, SEE INTRODUCTION. FOR DEFINITIONS OF TERMS, SEE APPENDIXES A AND B]

MICHIGAN

	TOTAL		WHITE		BLACK		TOTAL: AMER. INDIAN, ESKIMO / ALEUT		TOTAL: ASIAN AND PACIFIC ISLANDER		TOTAL: SPANISH ORIGIN (1)		RURAL	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
COMPUTER EQUIPMENT OPERATORS	5 945	9 305	5 284	7 737	590	1 434	-	36	69	74	50	96	1 106	1 948
COMPUTER OPERATORS	5 764	8 941	5 116	7 477	577	1 345	-	30	69	74	50	87	1 077	1 900
PERIPHERAL EQUIPMENT OPERATORS	181	364	168	260	13	89	-	6	-	-	-	9	29	48
SECRETARIES, STENOGRAPHERS, AND TYPISTS	2 384	184 553	2 012	166 546	338	16 178	17	460	6	576	96	2 126	504	44 707
SECRETARIES	1 469	152 092	1 316	140 338	140	10 315	7	387	6	442	36	1 642	343	38 852
STENOGRAPHERS	246	2 567	213	2 095	33	453	-	-	-	14	31	22	42	383
TYPISTS	669	29 894	483	24 113	165	5 410	10	73	-	120	29	462	119	5 472
INFORMATION CLERKS	4 610	33 868	3 780	29 560	761	3 933	15	124	44	109	26	432	753	7 106
INTERVIEWERS	1 103	4 049	822	3 369	272	640	9	13	-	9	-	46	242	1 043
HOTEL CLERKS	586	1 146	546	1 030	40	111	-	2	-	-	-	19	104	277
TRANSPORTATION TICKET AND RESERVATION AGENTS	1 104	1 518	977	1 216	121	282	-	-	6	14	2	29	175	185
RECEPTIONISTS	1 104	23 783	830	21 135	230	2 390	6	86	28	80	10	247	111	4 934
INFORMATION CLERKS, N.E.C.	713	3 372	605	2 810	98	510	-	23	10	6	14	91	121	667
RECORDS PROCESSING OCCUPATIONS, EXCEPT FINANCIAL	9 767	30 609	8 307	25 274	1 283	4 865	30	85	64	183	224	459	1 762	6 062
CLASSIFIED-AD CLERKS	94	377	88	324	6	53	-	-	-	-	-	7	12	74
CORRESPONDENCE CLERKS	96	381	86	318	10	57	-	-	-	6	-	-	5	60
ORDER CLERKS	5 032	9 419	4 325	7 944	601	1 346	11	18	38	50	146	146	975	1 803
PERSONNEL CLERKS, EXCEPT PAYROLL AND TIMEKEEPING	365	2 037	312	1 668	53	361	-	2	-	5	13	11	61	389
LIBRARY CLERKS	960	5 349	788	4 631	142	627	10	12	12	64	3	52	100	1 300
FILE CLERKS	2 650	9 489	2 209	7 347	409	1 949	9	41	5	36	50	211	522	1 728
RECORDS CLERKS	570	3 557	499	3 042	62	472	-	12	9	22	12	32	87	708
FINANCIAL RECORDS PROCESSING OCCUPATIONS	8 709	72 373	7 942	67 064	626	4 686	36	167	82	243	89	673	1 867	19 107
BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS	5 637	56 470	5 090	53 224	451	2 804	24	140	58	196	69	420	1 178	15 610
PAYROLL AND TIMEKEEPING CLERKS	1 314	5 674	1 208	4 864	81	755	9	22	16	-	8	99	297	1 344
BILLING CLERKS	575	6 123	538	5 535	27	544	3	5	4	15	3	83	120	1 337
COST AND RATE CLERKS	1 042	2 091	1 016	1 892	26	175	-	-	-	8	3	30	242	414
BILLING, POSTING, AND CALCULATING MACHINE OPERATORS	141	2 015	90	1 549	41	408	-	-	4	24	6	41	30	402
DUPLICATING, MAIL, AND OTHER OFFICE MACHINE OPERATORS	699	1 702	543	1 332	142	328	7	15	6	14	7	40	128	250
DUPLICATING MACHINE OPERATORS	251	552	198	409	52	118	-	7	-	14	1	4	36	101
MAIL PREPARING AND PAPER HANDLING MACHINE OPERATORS	85	165	70	149	15	8	-	8	-	-	6	6	23	27
OFFICE MACHINE OPERATORS, N.E.C.	363	985	275	774	75	202	7	-	6	-	-	30	69	122
COMMUNICATIONS EQUIPMENT OPERATORS	929	10 648	700	8 715	214	1 857	3	34	6	4	6	96	207	1 857
TELEPHONE OPERATORS	792	10 317	589	8 414	188	1 827	3	34	6	4	6	96	163	1 788
TELEGRAPHERS	106	76	85	46	21	30	-	-	-	-	-	-	37	11
COMMUNICATIONS EQUIPMENT OPERATORS, N.E.C.	31	255	26	255	5	-	-	-	-	-	-	-	7	58
MAIL AND MESSAGE DISTRIBUTING OCCUPATIONS	16 391	12 110	13 438	8 546	2 786	3 445	33	37	24	28	218	124	3 573	2 999
POSTAL CLERKS, EXCEPT MAIL CARRIERS	3 847	5 319	2 755	3 186	1 060	2 076	-	34	8	5	61	43	717	1 307
MAIL CARRIERS, POSTAL SERVICE	7 738	2 800	6 766	2 294	909	501	33	2	2	3	67	8	2 162	962
MAIL CLERKS, EXCEPT POSTAL SERVICE	2 961	3 286	2 353	2 500	579	738	-	-	-	20	50	65	420	570
MESSENGERS	1 845	705	1 564	566	238	130	-	1	14	-	40	8	274	160
MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING CLERKS	47 489	22 114	42 279	18 970	4 521	2 875	170	90	182	71	727	256	11 205	5 193
DISPATCHERS	2 111	1 254	1 989	1 104	121	139	1	11	-	-	19	9	499	257
PRODUCTION COORDINATORS	7 734	4 142	6 825	3 528	816	544	19	13	28	29	106	55	1 713	941
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	14 787	4 647	13 343	4 191	1 256	400	39	28	64	6	178	30	3 658	1 223
STOCK AND INVENTORY CLERKS	17 761	7 574	15 582	6 279	1 861	1 226	101	15	60	20	342	100	4 112	1 715
METER READERS	1 039	267	843	197	178	62	6	8	6	-	12	-	308	66
WEIGHERS, MEASURERS, AND CHECKERS	2 142	1 036	1 931	876	171	126	4	10	6	-	38	44	437	336
SAMPLERS	19	29	19	29	-	-	-	-	-	-	-	-	13	12
EXPEDITERS	1 616	1 773	1 519	1 647	81	126	-	-	10	-	25	12	401	386
MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING CLERKS, N.E.C.	280	1 392	228	1 119	37	252	-	5	8	16	7	6	64	257
ADJUSTERS AND INVESTIGATORS	7 115	11 622	6 271	9 532	772	1 965	21	46	20	34	73	128	1 254	1 751
INSURANCE ADJUSTERS, EXAMINERS, AND INVESTIGATORS	2 366	3 793	2 190	3 034	154	723	-	18	7	18	18	34	513	352
INVESTIGATORS AND ADJUSTERS, EXCEPT INSURANCE	3 381	5 062	2 897	4 273	456	752	13	9	5	7	39	53	544	904
ELIGIBILITY CLERKS, SOCIAL WELFARE	53	214	40	126	7	70	-	9	6	9	-	-	13	39
BILL AND ACCOUNT COLLECTORS	1 315	2 553	1 144	2 099	155	420	8	10	2	-	16	41	184	456
MISCELLANEOUS ADMINISTRATIVE SUPPORT OCCUPATIONS	19 319	109 182	16 554	91 412	2 402	16 109	59	396	158	551	258	1 552	3 429	24 688
GENERAL OFFICE CLERKS	9 458	49 373	7 923	41 500	1 357	7 144	25	137	70	222	119	781	1 590	9 753
BANK TELLERS	1 141	20 945	984	18 792	141	1 946	7	25	3	47	12	245	177	6 330
PROOFREADERS	113	711	113	669	-	34	-	-	-	-	-	5	6	173
DATA-ENTRY KEYERS	692	13 263	584	10 546	106	2 405	-	51	-	205	-	156	116	2 575
STATISTICAL CLERKS	1 306	3 761	1 118	3 214	158	472	6	36	18	29	18	60	215	710
TEACHERS' AIDES	953	10 185	690	7 624	227	2 390	-	54	24	40	23	183	231	3 108
ADMINISTRATIVE SUPPORT OCCUPATIONS, N.E.C.	5 656	10 944	5 142	9 067	413	1 718	21	93	43	8	86	122	1 094	2 039
SERVICE OCCUPATIONS	228 752	353 258	188 837	294 228	35 069	52 304	1 276	2 037	1 711	2 314	4 281	5 662	53 122	97 054
PRIVATE HOUSEHOLD OCCUPATIONS	835	18 257	596	13 855	226	4 119	8	127	5	58	-	261	193	5 259
OCCUPATION:														
LAUNDERERS AND IRONERS	21	70	21	49	-	21	-	-	-	-	-	-	10	5
COOKS, PRIVATE HOUSEHOLD	11	171	7	133	4	38	-	-	-	-	-	7	-	50
HOUSEKEEPERS AND BUTLERS	50	1 492	17	1 002	33	459	-	21	-	-	-	32	-	276
CHILD CARE WORKERS, PRIVATE HOUSEHOLD	234	8 583	202	7 830	30	678	2	24	-	15	-	137	66	3 011
PRIVATE HOUSEHOLD CLEANERS AND SERVANTS	519	7 941	349	4 841	159	2 923	6	82	5	43	-	85	117	1 917
LIVING ARRANGEMENT:														
LIVING IN	36	639	19	540	17	85	-	9	-	5	-	-	6	118
LIVING OUT	799	17 618	577	13 315	209	4 034	8	118	5	53	-	261	187	5 141

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MICHIGAN

	TOTAL		TOTAL										RURAL	
	TOTAL		WHITE		BLACK		AMER. INDIAN, ESKIMO / ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)			
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
PROTECTIVE SERVICE OCCUPATIONS	51 658	7 828	43 312	5 896	7 617	1 806	366	92	107	20	690	89	11 401	1 290
SUPERVISORS, PROTECTIVE SERVICE OCCUPATIONS	3 513	140	3 136	116	336	24	29	-	-	-	22	-	803	18
SUPERVISORS, FIREFIGHTING AND FIRE PREVENTION OCCUPATIONS	440	-	426	-	14	-	-	-	-	-	5	-	63	-
SUPERVISORS, POLICE AND DETECTIVES	2 207	78	1 971	65	222	13	10	-	-	-	9	-	532	11
SUPERVISORS, GUARDS	866	62	739	51	100	11	19	-	-	-	8	-	208	7
FIREFIGHTING AND FIRE PREVENTION OCCUPATIONS	6 672	84	6 003	64	592	20	44	-	6	-	76	-	1 190	25
FIRE INSPECTION AND FIRE PREVENTION OCCUPATIONS	715	38	623	38	84	-	5	-	-	-	6	-	188	12
FIREFIGHTING OCCUPATIONS	5 957	46	5 380	26	508	20	39	-	6	-	70	-	1 002	13
POLICE AND DETECTIVES	19 468	2 052	16 855	1 198	2 359	805	110	42	45	7	265	20	5 138	273
POLICE AND DETECTIVES, PUBLIC SERVICE	15 337	1 397	13 192	732	1 952	639	80	19	36	7	230	18	3 325	118
SHERIFFS, BAILIFFS, AND OTHER ENFORCEMENT OFFICERS	1 800	250	1 639	174	158	74	-	2	1	-	11	2	765	55
CORRECTIONAL INSTITUTION OFFICERS	2 331	405	2 024	292	249	92	30	21	8	-	24	-	1 048	100
GUARDS	22 005	5 552	17 318	4 518	4 330	957	183	50	56	13	327	69	4 270	974
CROSSING GUARDS	526	1 242	452	1 104	74	127	-	11	-	-	-	7	68	164
GUARDS AND POLICE, EXCEPT PUBLIC SERVICE	20 569	3 763	16 094	2 873	4 150	830	155	33	52	13	321	57	3 964	721
PROTECTIVE SERVICE OCCUPATIONS, N.E.C.	910	547	772	541	106	-	28	6	4	-	6	5	238	89
SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD	176 259	327 173	144 929	274 477	27 226	46 379	902	1 818	1 599	2 236	3 591	5 312	41 528	90 505
FOOD PREPARATION AND SERVICE OCCUPATIONS	65 722	153 000	56 858	138 399	6 945	11 742	305	821	1 026	1 204	1 338	2 150	13 584	43 238
SUPERVISORS, FOOD PREPARATION AND SERVICE OCCUPATIONS	3 668	7 548	3 230	6 664	317	727	18	28	88	72	98	132	583	1 653
BARTENDERS	6 254	7 648	5 905	7 406	301	144	13	65	22	14	99	84	1 812	2 679
WAITERS AND WAITRESSES	4 108	71 169	3 500	66 902	470	2 996	22	379	63	595	83	936	646	19 155
COOKS, EXCEPT SHORT ORDER	24 804	30 551	21 084	26 489	2 751	3 516	128	149	641	196	424	368	5 108	11 402
SHORT-ORDER COOKS	2 098	1 309	1 756	1 108	315	176	2	21	19	-	28	10	556	341
FOOD COUNTER, FOUNTAIN AND RELATED OCCUPATIONS	1 248	6 825	988	6 265	243	487	-	18	5	31	17	95	234	1 444
KITCHEN WORKERS, FOOD PREPARATION	510	3 497	392	2 962	109	508	-	17	9	5	-	57	107	867
WAITERS' AND WAITRESSES' ASSISTANTS	8 582	6 158	7 690	5 376	748	672	30	-	38	57	169	90	1 579	1 223
MISCELLANEOUS FOOD PREPARATION OCCUPATIONS	14 450	18 295	12 313	15 227	1 691	2 516	92	144	141	234	420	378	2 959	4 474
HEALTH SERVICE OCCUPATIONS	9 175	74 896	6 458	57 378	2 457	16 003	32	399	144	591	199	1 157	2 105	20 501
DENTAL ASSISTANTS	123	6 932	87	6 599	36	289	-	2	-	11	-	97	13	1 771
HEALTH AIDES, EXCEPT NURSING	1 776	16 115	1 250	12 877	452	2 946	9	60	41	113	47	214	268	3 338
NURSING AIDES, ORDERLIES, AND ATTENDANTS	7 276	51 849	5 121	37 902	1 969	12 768	23	337	103	467	152	846	1 824	15 392
CLEANING AND BUILDING SERVICE OCCUPATIONS, EXCEPT HOUSEHOLD	87 935	45 666	70 540	33 685	15 718	10 964	532	305	325	188	1 829	1 104	23 021	11 792
SUPERVISORS, CLEANING AND BUILDING SERVICE WORKERS	3 277	1 409	2 793	1 027	443	375	7	7	20	-	50	12	931	330
MAIDS AND HOUSEMEN	5 902	18 391	4 211	13 239	1 585	4 744	46	99	32	80	164	461	1 164	4 712
JANITORS AND CLEANERS	77 947	25 607	62 935	19 264	13 482	5 741	479	199	273	108	1 615	625	20 742	6 719
ELEVATOR OPERATORS	265	223	180	124	85	99	-	-	-	-	-	6	55	25
PEST CONTROL OCCUPATIONS	544	36	421	31	123	5	-	-	-	-	-	-	129	6
PERSONAL SERVICE OCCUPATIONS	13 427	53 611	11 073	45 015	2 106	7 670	33	293	104	253	225	901	2 818	14 974
SUPERVISORS, PERSONAL SERVICE OCCUPATIONS	606	457	592	415	-	29	-	13	7	-	7	-	162	89
BARBERS	3 376	549	3 094	491	259	56	-	-	5	-	46	2	986	128
HAIRDRESSERS AND COSMETOLOGISTS	1 906	18 512	1 672	17 047	209	1 242	-	78	-	92	61	182	334	6 123
ATTENDANTS, AMUSEMENT AND RECREATION FACILITIES	2 039	939	1 708	846	308	76	17	3	6	14	2	9	408	260
GUIDES	332	442	276	321	46	121	1	-	9	-	-	11	85	52
USHERS	731	308	677	269	49	32	-	-	5	7	11	-	75	62
PUBLIC TRANSPORTATION ATTENDANTS	226	727	169	557	57	164	-	-	-	-	-	6	62	120
BAGGAGE PORTERS AND BELLHOPS	372	34	232	34	126	-	-	-	5	-	9	-	59	12
WELFARE SERVICE AIDES	214	929	127	709	62	176	7	22	7	9	16	19	34	307
CHILD CARE WORKERS, EXCEPT PRIVATE HOUSEHOLD	1 924	25 948	1 345	20 682	527	4 795	8	145	23	77	32	580	396	6 924
PERSONAL SERVICE OCCUPATIONS, N.E.C.	1 701	4 766	1 181	3 644	463	979	-	32	37	54	41	92	217	897
FARMING, FORESTRY, AND FISHING OCCUPATIONS	59 231	12 048	56 355	11 454	1 780	303	485	42	66	50	1 017	380	46 443	8 430
FARM OPERATORS AND MANAGERS	27 016	3 082	26 803	3 054	163	17	30	-	3	9	67	8	25 336	2 799
FARMERS, EXCEPT HORTICULTURAL	23 951	2 696	23 813	2 668	96	17	30	-	3	9	31	8	23 113	2 547
AGRICULTURAL PRODUCTION, CROPS	14 267	1 338	14 164	1 312	72	17	23	-	3	9	29	4	13 726	1 238
HORTICULTURAL SPECIALTY FARMERS	297	56	285	56	12	-	-	-	-	-	-	-	169	49
MANAGERS, FARMS, EXCEPT HORTICULTURAL	2 250	298	2 222	298	20	-	-	-	-	-	36	-	1 933	189
MANAGERS, HORTICULTURAL SPECIALTY FARMS	518	32	483	32	35	-	-	-	-	-	-	-	121	14
FARM OCCUPATIONS, EXCEPT MANAGERIAL	14 807	5 369	14 015	5 081	255	83	116	11	44	22	661	325	12 485	4 062
SUPERVISORS, FARM WORKERS	410	140	390	128	8	12	-	-	-	-	12	-	255	83
FARM WORKERS	13 829	4 789	13 148	4 545	217	65	113	11	24	20	554	282	11 957	3 713
AGRICULTURAL PRODUCTION, CROPS	8 020	3 063	7 423	2 842	180	51	90	9	17	16	519	259	6 666	2 206
MARINE LIFE CULTIVATION WORKERS	9	10	9	10	-	-	-	-	-	-	-	-	9	2
NURSERY WORKERS	559	430	468	398	30	6	3	-	20	2	95	43	264	264
RELATED AGRICULTURAL OCCUPATIONS	12 967	3 353	11 366	3 087	1 295	198	146	24	19	19	257	47	5 065	1 416
SUPERVISORS, RELATED AGRICULTURAL OCCUPATIONS	701	20	694	13	5	7	-	-	-	-	2	-	326	3
GROUNDSKEEPERS AND GARDENERS, EXCEPT FARM	11 279	1 288	9 793	1 081	1 202	154	136	22	15	12	234	22	4 250	463
ANIMAL CARETAKERS, EXCEPT FARM	856	1 707	769	1 663	73	37	6	-	4	7	19	8	391	672
GRADERS AND SORTERS, AGRICULTURAL PRODUCTS	117	335	96	327	15	-	4	2	-	-	2	17	94	275
INSPECTORS, AGRICULTURAL PRODUCTS	14	3	14	3	-	-	-	-	-	-	-	-	4	3
FORESTRY AND LOGGING OCCUPATIONS	3 946	219	3 772	207	67	5	97	7	-	-	32	-	3 237	140
SUPERVISORS, FORESTRY AND LOGGING WORKERS	136	-	131	-	5	-	-	-	-	-	-	-	120	-
FORESTRY WORKERS, EXCEPT LOGGING	695	120	656	108	27	5	12	7	-	-	18	-	497	70
TIMBER CUTTING AND LOGGING OCCUPATIONS	3 115	99	2 985	99	35	-	85	-	-	-	14	-	2 620	70
FISHERS, HUNTERS, AND TRAPPERS	495	25	399	25	-	-	96	-	-	-	-	-	320	13
CAPTAINS AND OTHER OFFICERS, FISHING VESSELS	50	-	49	-	-	-	1	-	-	-	-	-	30	-
FISHERS	417	7	322	7	-	-	95	-	-	-	-	-	283	1
HUNTERS AND TRAPPERS	28	18	28	18	-	-	-	-	-	-	-	-	7	12

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MICHIGAN

	TOTAL												RURAL	
	TOTAL		WHITE		BLACK		AMER. INDIAN, ESKIMO / ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)			
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS	524 518	32 192	486 111	27 416	32 349	4 215	2 419	185	1 197	182	6 329	448	184 785	9 250
MECHANICS AND REPAIRERS	169 338	4 809	155 238	3 885	11 980	815	777	34	471	21	2 383	107	58 997	1 290
SUPERVISORS, MECHANICS AND REPAIRERS	5 032	192	4 814	165	181	27	6	-	6	-	65	9	1 622	29
MECHANICS AND REPAIRERS, EXCEPT SUPERVISORS	164 306	4 617	150 424	3 720	11 799	788	771	34	465	21	2 318	98	57 375	1 261
VEHICLE AND MOBILE EQUIPMENT MECHANICS AND REPAIRERS	68 675	1 012	62 719	804	5 095	200	283	8	219	-	854	-	24 791	288
AUTOMOBILE MECHANICS	41 145	691	36 837	526	3 738	165	192	-	156	-	506	-	13 641	183
BUS, TRUCK, AND STATIONARY ENGINE MECHANICS	7 697	57	7 135	49	480	-	27	8	12	-	106	-	3 061	11
AIRCRAFT MECHANICS	1 598	27	1 540	27	42	-	3	-	13	-	9	-	478	14
SMALL ENGINE REPAIRERS	1 628	25	1 577	18	45	7	4	-	-	-	-	-	645	11
AUTOMOBILE BODY AND RELATED REPAIRERS	9 783	167	9 086	139	597	28	34	-	33	-	93	-	3 682	56
HEAVY EQUIPMENT MECHANICS	5 634	34	5 387	34	178	-	15	-	-	-	135	-	2 442	8
FARM EQUIPMENT MECHANICS	1 190	11	1 157	11	15	-	8	-	5	-	5	-	842	5
INDUSTRIAL MACHINERY REPAIRERS	28 014	583	25 791	486	1 909	89	119	4	32	-	402	4	10 685	150
MACHINERY MAINTENANCE OCCUPATIONS	2 621	64	2 089	57	460	7	16	-	21	-	67	-	882	24
ELECTRICAL AND ELECTRONIC EQUIPMENT REPAIRERS	20 269	1 619	18 863	1 304	1 239	254	81	10	45	12	237	74	6 234	398
ELECTRONIC REPAIRERS, COMMUNICATIONS AND INDUSTRIAL EQUIPMENT	5 094	204	4 653	179	361	16	58	2	22	7	50	-	1 348	37
DATA PROCESSING EQUIPMENT REPAIRERS	1 655	83	1 575	55	67	15	5	-	-	-	19	27	340	12
HOUSEHOLD APPLIANCE AND POWER TOOL REPAIRERS	2 756	8	2 644	8	104	-	5	-	3	-	35	-	932	8
TELEPHONE LINE INSTALLERS AND REPAIRERS	2 135	103	1 992	89	135	14	-	-	6	-	14	-	882	53
TELEPHONE INSTALLERS AND REPAIRERS	7 499	1 147	6 972	932	489	187	8	2	14	5	94	40	2 531	269
MISCELLANEOUS ELECTRICAL AND ELECTRONIC EQUIPMENT REPAIRERS	1 130	74	1 027	41	83	22	5	6	-	-	25	7	201	19
HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS	5 589	51	5 289	51	249	-	48	-	-	-	51	-	1 898	25
MISCELLANEOUS MECHANICS AND REPAIRERS	39 138	1 288	35 673	1 018	2 847	238	224	12	148	9	707	20	12 885	376
CAMERA, WATCH, AND MUSICAL INSTRUMENT REPAIRERS	1 151	163	1 089	111	36	43	7	-	17	9	17	-	312	44
LOCKSMITHS AND SAFE REPAIRERS	539	23	506	23	28	-	5	-	-	-	-	-	125	6
OFFICE MACHINE REPAIRERS	1 397	107	1 313	81	79	26	5	-	-	-	7	4	343	19
MECHANICAL CONTROLS AND VALVE REPAIRERS	1 389	20	1 223	11	149	9	8	-	-	-	20	-	359	9
ELEVATOR INSTALLERS AND REPAIRERS	669	5	651	5	18	-	-	-	-	-	12	5	181	-
MILLWRIGHTS	14 676	190	13 334	133	1 118	57	78	-	28	-	293	-	5 150	42
SPECIFIED MECHANICS AND REPAIRERS, N.E.C.	13 062	535	11 968	470	929	54	32	8	82	-	232	3	4 038	174
NOT SPECIFIED MECHANICS AND REPAIRERS	6 255	245	5 589	184	490	49	89	4	21	-	126	8	2 377	82
CONSTRUCTION TRADES	162 198	3 147	151 366	2 741	8 940	361	988	17	149	18	1 839	24	63 598	1 013
SUPERVISORS; CONSTRUCTION OCCUPATIONS	24 613	340	23 508	266	932	67	98	7	15	-	211	-	10 358	84
SUPERVISORS; BRICKMASONS, STONEMASONS, AND TILE SETTERS	166	-	144	-	20	-	2	-	-	-	-	-	71	-
SUPERVISORS; CARPENTERS AND RELATED WORKERS	1 038	-	1 011	-	24	-	3	-	-	-	12	-	456	-
SUPERVISORS; ELECTRICIANS AND POWER TRANSMISSION INSTALLERS	1 382	6	1 354	6	28	-	-	-	-	-	17	-	464	-
SUPERVISORS; PAINTERS, PAPERHANGERS, AND PLASTERERS	327	11	263	7	60	4	2	-	-	-	2	-	70	2
SUPERVISORS; PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	514	16	514	16	-	-	-	-	-	-	-	-	189	16
SUPERVISORS; N.E.C.	21 186	307	20 222	237	800	63	91	7	15	-	180	-	9 108	66
CONSTRUCTION TRADES, EXCEPT SUPERVISORS	137 585	2 807	127 858	2 475	8 008	294	890	10	134	18	1 628	24	53 240	929
BRICKMASONS AND STONEMASONS	8 177	110	7 350	97	740	13	47	-	-	-	75	-	3 436	28
TILE SETTERS, HARD AND SOFT	787	8	725	8	42	-	7	-	-	-	28	-	209	2
CARPET INSTALLERS	3 191	72	3 072	64	91	8	17	-	-	-	40	-	1 054	18
CARPENTERS	37 611	449	36 016	374	1 216	71	225	4	25	-	389	2	17 638	186
DRYWALL INSTALLERS	3 063	61	2 988	52	56	9	17	-	-	-	27	-	1 319	21
ELECTRICIANS	26 811	503	24 784	424	1 703	60	116	-	61	11	356	8	9 535	167
ELECTRICAL POWER INSTALLERS AND REPAIRERS	3 211	27	3 077	18	107	9	27	-	-	-	4	-	1 523	18
PAINTERS, CONSTRUCTION AND MAINTENANCE	12 033	846	10 531	757	1 294	80	104	-	7	7	185	12	3 125	249
PAPERHANGERS	347	88	323	88	11	-	8	-	-	-	5	-	62	26
PLASTERERS	784	14	713	14	60	-	4	-	-	-	6	-	291	10
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	22 019	159	20 467	152	1 379	7	84	-	4	-	159	-	7 823	23
CONCRETE AND TERRAZZO FINISHERS	2 442	16	1 888	16	463	-	27	-	9	-	126	-	756	16
GLAZIERS	1 222	157	1 161	132	51	25	10	-	-	-	18	-	324	59
INSULATION WORKERS	2 057	61	1 935	50	81	5	22	6	-	-	24	2	768	43
PAVING, SURFACING, AND TAMPING EQUIPMENT OPERATORS	270	-	223	-	45	-	2	-	-	-	11	-	139	-
ROOFERS	4 141	47	3 813	47	224	-	48	-	16	-	53	-	1 409	-
SHEETMETAL DUCT INSTALLERS	1 077	9	1 073	9	-	-	-	-	-	-	6	-	374	9
STRUCTURAL METAL WORKERS	2 982	58	2 858	58	67	-	52	-	-	-	23	-	1 155	8
DRILLERS, EARTH	1 034	12	986	12	32	-	5	-	-	-	13	-	714	4
CONSTRUCTION TRADES, N.E.C.	4 326	110	3 875	103	346	7	68	-	12	-	80	-	1 586	42
EXTRACTIVE OCCUPATIONS	3 255	79	3 168	66	44	13	35	-	4	-	4	-	2 302	28
SUPERVISORS, EXTRACTIVE OCCUPATIONS	1 053	18	1 027	12	6	6	14	-	4	-	2	-	757	6
DRILLERS, OIL WELL	725	2	722	2	-	-	3	-	-	-	-	-	593	2
EXPLOSIVES WORKERS	312	2	273	2	31	-	6	-	-	-	2	-	145	2
MINING MACHINE OPERATORS	732	27	713	27	7	-	12	-	-	-	-	-	518	2
MINING OCCUPATIONS, N.E.C.	433	30	433	23	-	7	-	-	-	-	-	-	289	16

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MICHIGAN

	TOTAL												RURAL	
	TOTAL		WHITE		BLACK		AMER. INDIAN, ESKIMO / ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)			
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
PRECISION PRODUCTION OCCUPATIONS	189 727	24 157	176 339	20 724	11 385	3 026	619	134	573	143	2 103	317	59 888	6 919
SUPERVISORS, PRODUCTION OCCUPATIONS	81 790	8 228	75 499	6 996	5 671	1 116	197	51	164	20	868	102	26 101	2 358
NONDURABLE GOODS MANUFACTURING	11 839	1 730	11 288	1 538	480	147	16	12	7	3	159	43	4 584	646
DURABLE GOODS MANUFACTURING	55 204	3 252	50 437	2 616	4 353	586	134	39	112	11	555	16	17 281	980
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	4 996	331	4 641	248	323	83	26	-	6	-	22	-	1 361	79
WHOLESALE AND RETAIL TRADE	6 859	1 931	6 473	1 772	325	149	7	-	15	-	94	32	1 879	425
ALL OTHER INDUSTRIES	2 892	984	2 660	822	190	151	14	-	24	6	38	11	996	228
PRECISION METALWORKING OCCUPATIONS	69 860	2 272	66 536	1 923	2 553	332	308	11	164	4	718	12	22 814	728
TOOL AND DIE MAKERS	34 967	491	33 341	414	1 314	66	138	11	61	-	308	-	11 099	120
PRECISION ASSEMBLERS, METAL	1 271	176	1 198	143	49	33	-	-	9	-	25	-	384	66
MACHINISTS	19 160	983	18 155	794	707	185	83	-	74	4	259	3	7 198	349
BOILERMAKERS	1 181	10	1 145	10	32	-	4	-	-	-	7	-	470	10
PRECISION GRINDERS, FILERS, AND TOOL SHARPENERS	1 541	44	1 474	42	48	-	19	-	-	-	20	2	547	37
PATTERNMAKERS AND MODEL MAKERS, METAL	4 034	76	3 890	64	117	12	15	-	-	-	29	-	806	17
LAY-OUT WORKERS	537	27	510	20	13	7	6	-	6	-	4	-	102	4
PRECIOUS STONES AND METALS WORKERS (JEWELERS)	731	206	701	187	15	19	-	-	7	-	29	7	133	32
ENGRAVERS, METAL	201	177	201	177	-	-	-	-	-	-	-	-	45	44
SHEET METAL WORKERS	5 992	67	5 702	62	232	5	43	-	7	-	37	-	1 984	43
MISCELLANEOUS PRECISION METAL WORKERS	245	15	219	10	26	5	-	-	-	-	-	-	46	6
PRECISION WOODWORKING OCCUPATIONS	4 196	476	4 061	425	94	51	13	-	15	-	19	7	1 218	156
PATTERNMAKERS AND MODEL MAKERS, WOOD	1 629	15	1 629	15	-	-	-	-	-	-	6	-	315	2
CABINET MAKERS AND BENCH CARPENTERS	1 613	136	1 575	136	19	-	6	-	7	-	6	-	578	44
FURNITURE AND WOOD FINISHERS	685	296	613	245	50	51	7	-	8	-	7	7	208	103
MISCELLANEOUS PRECISION WOODWORKERS	269	29	244	29	25	-	-	-	-	-	-	-	117	7
PRECISION TEXTILE, APPAREL, AND FURNISHINGS MACHINE WORKERS	2 726	4 579	2 371	3 814	313	650	-	20	36	66	34	67	642	1 018
DRESSMAKERS	138	3 039	119	2 607	19	355	-	13	-	54	-	36	12	587
TAILORS	581	627	474	428	79	178	-	-	28	12	9	17	70	78
UPHOLSTERERS	1 392	524	1 233	446	149	61	-	7	4	-	23	10	426	218
SHOE REPAIRERS	564	150	494	135	66	15	-	-	4	-	2	4	133	88
APPAREL AND FABRIC PATTERNMAKERS	13	-	13	-	-	-	-	-	-	-	-	-	-	-
MISCELLANEOUS PRECISION APPAREL AND FABRIC WORKERS	38	239	38	198	-	41	-	-	-	-	-	-	1	47
PRECISION WORKERS, ASSORTED MATERIALS	6 961	3 817	6 210	3 370	605	358	40	26	74	31	94	84	1 838	796
HAND MOLDERS AND SHAPERS, EXCEPT JEWELERS	1 659	217	1 315	195	318	22	12	-	-	-	37	-	557	86
PATTERNMAKERS, LAY-OUT WORKERS, AND CUTTERS	405	100	398	94	-	6	-	-	7	-	-	-	144	44
OPTICAL GOODS WORKERS	854	848	810	803	13	45	8	-	23	-	4	2	154	140
DENTAL LABORATORY AND MEDICAL APPLIANCE TECHNICIANS	1 176	665	1 142	603	23	49	6	6	5	-	11	10	251	93
BOOKBINDERS	276	625	231	521	24	96	-	5	21	-	7	25	38	127
ELECTRICAL AND ELECTRONIC EQUIPMENT ASSEMBLERS	455	862	384	732	64	80	-	9	7	31	-	17	103	200
MISCELLANEOUS PRECISION WORKERS, N.E.C.	2 136	500	1 930	422	163	60	14	6	11	-	35	30	591	106
PRECISION FOOD PRODUCTION OCCUPATIONS	11 507	3 592	10 040	3 196	1 217	337	23	20	49	17	290	43	3 491	1 391
BUTCHERS AND MEAT CUTTERS	8 538	851	7 529	676	831	165	19	6	34	-	196	10	2 794	288
BAKERS	2 517	2 484	2 093	2 296	364	154	4	7	15	15	76	27	498	1 010
FOOD BATCHMAKERS	452	257	418	224	22	18	-	7	-	2	18	6	199	93
PRECISION INSPECTORS, TESTERS, AND RELATED WORKERS	4 389	868	4 131	744	224	118	8	6	17	-	33	2	1 168	402
INSPECTORS, TESTERS, AND GRADERS	4 335	814	4 077	695	224	113	8	6	17	-	33	2	1 154	369
ADJUSTERS AND CALIBRATORS	54	54	54	49	-	5	-	-	-	-	-	-	14	33
PLANT AND SYSTEM OPERATORS	8 298	325	7 491	256	708	64	30	-	54	5	47	-	2 616	70
WATER AND SEWAGE TREATMENT PLANT OPERATORS	1 266	33	1 055	20	203	13	-	-	6	-	9	-	291	3
POWER PLANT OPERATORS	1 269	58	1 204	37	60	16	-	-	5	5	19	-	544	17
STATIONARY ENGINEERS	4 681	149	4 258	130	349	19	21	-	40	-	19	-	1 367	37
MISCELLANEOUS PLANT AND SYSTEM OPERATORS	1 082	85	974	69	96	16	9	-	3	-	-	-	414	13
OPERATORS, FABRICATORS, AND LABORERS	742 124	227 480	617 778	182 459	110 399	40 243	4 291	1 333	2 092	1 306	16 140	5 190	228 825	77 002
MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS	417 486	170 882	337 827	133 609	71 349	33 325	2 105	1 058	1 336	1 137	10 260	4 120	121 211	56 188
MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION	232 091	89 677	196 543	72 212	31 223	15 410	1 100	558	743	562	5 206	2 237	72 817	29 427
METALWORKING AND PLASTIC WORKING MACHINE OPERATORS	83 106	18 393	70 819	14 545	10 847	3 561	424	112	250	58	1 641	419	25 839	5 986
LATHE AND TURNING MACHINE SET-UP OPERATORS	7 003	243	6 288	206	607	37	56	-	5	-	94	5	2 766	89
LATHE AND TURNING MACHINE OPERATORS	11 112	845	10 663	718	351	117	39	-	28	5	142	5	3 929	307
MILLING AND PLANING MACHINE OPERATORS	1 415	151	1 308	137	103	14	-	-	-	-	4	1	405	76
PUNCHING AND STAMPING PRESS MACHINE OPERATORS	20 765	11 100	16 394	8 664	3 906	2 264	106	69	108	16	543	289	6 657	3 523
ROLLING MACHINE OPERATORS	923	164	836	151	82	13	-	-	-	-	20	9	151	79
DRILLING AND BORING MACHINE OPERATORS	5 484	934	5 065	823	331	105	31	-	31	6	57	21	1 532	330
GRINDING, ABRADING, BUFFING, AND POLISHING MACHINE OPERATORS	27 530	4 460	23 009	3 451	3 966	913	146	43	70	31	643	81	8 191	1 414
FORGING MACHINE OPERATORS	1 551	68	1 328	50	195	18	6	-	8	-	27	-	479	22
NUMERICAL CONTROL MACHINE OPERATORS	168	13	158	13	-	-	-	-	-	-	10	-	54	-
MISCELLANEOUS METAL, PLASTIC, STONE, AND GLASS WORKING MACHINE OPERATORS	7 155	415	5 770	332	1 306	80	40	-	-	-	101	8	1 675	146

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	TOTAL												RURAL	
	TOTAL		WHITE		BLACK		AMER. INDIAN, ESKIMO / ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)			
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
FABRICATING MACHINE OPERATORS, N.E.C.	1 290	713	1 090	619	161	85	1	9	6	-	41	-	425	354
METAL AND PLASTIC PROCESSING MACHINE OPERATORS	12 410	5 361	10 330	4 685	1 728	586	82	21	37	38	453	71	4 329	2 257
MOLDING AND CASTING MACHINE OPERATORS	7 404	4 741	6 160	4 109	1 020	551	66	21	20	38	289	56	2 855	2 066
METAL PLATING MACHINE OPERATORS	1 921	412	1 653	382	211	25	-	-	11	-	66	11	629	126
HEAT TREATING EQUIPMENT OPERATORS	2 408	92	1 934	88	426	4	12	-	6	-	77	-	617	30
MISCELLANEOUS METAL AND PLASTIC PROCESSING MACHINE OPERATORS	677	116	583	106	71	6	4	-	-	-	21	4	228	35
WOODWORKING MACHINE OPERATORS	4 633	806	4 373	717	179	59	19	17	41	-	38	18	2 671	415
WOOD LATHE, ROUTING, AND PLANING MACHINE OPERATORS	198	10	191	10	7	-	-	-	-	-	-	-	95	4
SAWING MACHINE OPERATORS	3 219	464	3 031	419	113	23	19	14	41	-	27	8	1 938	204
SHAPING AND JOINING MACHINE OPERATORS	284	185	258	155	26	22	-	3	-	-	-	5	144	110
NAILING AND TACKING MACHINE OPERATORS	209	54	200	54	9	-	-	-	-	-	5	-	156	43
MISCELLANEOUS WOODWORKING MACHINE OPERATORS	723	93	693	79	24	14	-	-	-	-	6	5	338	54
PRINTING MACHINE OPERATORS	10 593	4 227	9 955	3 872	536	318	27	18	21	11	126	68	2 422	1 163
PRINTING MACHINE OPERATORS	8 287	1 532	7 745	1 305	459	208	26	11	15	4	106	34	1 999	351
PHOTOENGRAVERS AND LITHOGRAPHERS	626	193	605	178	21	11	-	-	-	4	-	-	119	71
TYPESETTERS AND COMPOSITORS	1 010	1 573	959	1 540	49	22	1	7	1	3	8	9	139	508
MISCELLANEOUS PRINTING MACHINE OPERATORS	670	929	646	849	7	77	-	-	5	-	12	25	165	233
TEXTILE, APPAREL, AND FURNISHINGS MACHINE OPERATORS	4 826	20 076	3 829	15 052	925	4 347	28	151	22	296	74	484	1 086	5 736
WINDING AND TWISTING MACHINE OPERATORS	152	40	136	40	16	-	-	-	-	-	-	-	48	22
KNITTING, LOOPING, TAPING, AND WEAVING MACHINE OPERATORS	37	173	37	161	-	12	-	-	-	-	-	-	22	42
TEXTILE CUTTING MACHINE OPERATORS	63	50	63	26	-	24	-	-	-	-	-	-	14	20
TEXTILE SEWING MACHINE OPERATORS	1 021	11 921	900	9 341	108	2 113	4	78	-	234	20	358	244	3 563
SHOE MACHINE OPERATORS	225	483	213	475	3	-	5	2	4	6	-	1	161	378
PRESSING MACHINE OPERATORS	347	1 842	152	1 132	187	673	5	16	-	5	15	16	47	317
LAUNDERING AND DRY CLEANING MACHINE OPERATORS	2 385	5 223	1 804	3 565	555	1 502	3	46	13	51	30	109	385	1 278
MISCELLANEOUS TEXTILE MACHINE OPERATORS	596	344	524	312	56	23	11	9	5	-	9	-	165	116
MACHINE OPERATORS, ASSORTED MATERIALS	115 233	40 101	96 147	32 722	16 847	6 454	519	230	366	159	2 833	1 177	36 045	13 516
CEMENTING AND GLUING MACHINE OPERATORS	775	794	672	672	81	122	8	-	-	-	34	2	247	316
PACKAGING AND FILLING MACHINE OPERATORS	2 060	2 080	1 744	1 735	287	315	9	7	-	7	39	61	627	804
EXTRUDING AND FORMING MACHINE OPERATORS	700	115	662	89	38	20	-	6	-	-	17	4	359	54
MIXING AND BLENDING MACHINE OPERATORS	3 161	280	2 698	199	395	54	10	20	9	-	118	14	912	50
SEPARATING, FILTERING, AND CLARIFYING MACHINE OPERATORS	2 233	133	2 075	113	114	16	16	-	2	4	58	-	969	43
COMPRESSING AND COMPACTING MACHINE OPERATORS	724	144	552	119	155	15	5	-	-	-	34	19	260	50
PAINTING AND PAINT SPRAYING MACHINE OPERATORS	10 223	2 451	8 442	2 046	1 640	325	44	15	6	4	221	97	2 991	964
ROASTING AND BAKING MACHINE OPERATORS, FOOD	219	42	146	42	62	-	2	-	-	-	9	-	51	14
WASHING, CLEANING, AND PICKLING MACHINE OPERATORS	437	133	330	99	93	21	9	-	-	-	11	18	138	41
FOLDING MACHINE OPERATORS	603	391	497	344	90	34	5	6	-	-	20	18	153	171
FURNACE, KILN, AND OVEN OPERATORS, EXCEPT FOOD	9 190	388	7 204	292	1 865	96	19	-	-	-	134	1	2 681	163
CRUSHING AND GRINDING MACHINE OPERATORS	2 347	188	1 857	112	443	72	11	-	-	-	90	11	873	17
SLICING AND CUTTING MACHINE OPERATORS	7 261	2 131	6 084	1 716	1 017	344	36	26	47	16	185	34	2 090	833
MOTION PICTURE PROJECTIONISTS	464	68	441	59	23	-	-	-	-	9	-	-	97	11
PHOTOGRAPHIC PROCESS MACHINE OPERATORS	1 503	1 883	1 415	1 724	55	150	-	3	22	6	14	36	220	398
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS	73 333	28 880	61 328	23 361	10 489	4 870	345	147	280	113	1 849	862	23 377	9 587
OCCUPATION:														
MISCELLANEOUS MACHINE OPERATORS, N.E.C.	20 904	7 385	17 952	5 964	2 668	1 236	58	31	45	13	354	254	7 026	2 207
MACHINE OPERATORS, NOT SPECIFIED	52 429	21 495	43 376	17 397	7 821	3 634	287	116	235	100	1 495	608	16 351	7 380
INDUSTRY:														
MANUFACTURING	67 812	26 405	56 576	21 500	9 837	4 323	297	111	265	107	1 732	792	21 711	9 067
NONDURABLE GOODS	13 947	9 147	12 250	7 688	1 458	1 208	57	36	43	36	320	354	5 615	3 281
FOOD AND KINDRED PRODUCTS	2 928	1 358	2 322	1 021	527	241	10	11	-	6	111	132	1 121	610
TOBACCO MANUFACTURES	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TEXTILE MILL PRODUCTS	153	153	132	120	21	28	-	5	-	-	7	-	13	30
APPAREL AND OTHER FINISHED TEXTILE PRODUCTS	192	576	144	492	33	79	-	-	6	-	10	28	64	241
PAPER AND ALLIED PRODUCTS	4 254	1 013	3 997	856	222	130	16	5	10	-	36	36	1 732	258
PRINTING, PUBLISHING, AND ALLIED INDUSTRIES	581	930	547	787	24	130	-	-	-	7	12	28	130	208
CHEMICALS AND ALLIED PRODUCTS	2 895	1 782	2 657	1 483	185	258	9	1	20	8	102	50	1 258	685
PETROLEUM AND COAL PRODUCTS	101	11	69	11	27	-	-	-	5	-	-	-	24	2
RUBBER AND MISCELLANEOUS PLASTICS PRODUCTS	2 672	3 185	2 251	2 790	384	331	17	14	2	15	42	80	1 185	1 158
LEATHER AND LEATHER PRODUCTS	171	139	131	128	35	11	5	-	-	-	-	-	88	89
DURABLE GOODS	53 146	16 871	43 771	13 464	8 231	3 098	233	75	215	71	1 402	416	15 887	5 651
LUMBER AND WOOD PRODUCTS, EXCEPT FURNITURE	854	227	814	209	29	8	7	-	-	-	19	17	547	128
FURNITURE AND FIXTURES	1 373	565	1 182	494	132	63	4	8	32	-	47	6	494	273
STONE, CLAY, GLASS, AND CONCRETE PRODUCTS	1 407	525	1 077	468	314	46	-	3	6	-	25	12	519	151
PRIMARY METAL INDUSTRIES	6 357	1 253	4 876	944	1 294	281	27	9	10	-	249	52	1 750	507
BLAST FURNACES, STEELWORKS, ROLLING AND FINISHING MILLS	2 383	341	1 946	242	376	99	17	-	10	-	79	7	346	74

(1) PERSONS OF SPANISH ORIGIN MAY BE OF ANY RACE.

TABLE 218. DETAILED OCCUPATION OF THE EXPERIENCED CIVILIAN LABOR FORCE BY SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

[DATA ARE ESTIMATES BASED ON A SAMPLE; SEE INTRODUCTION. FOR MEANING OF SYMBOLS, SEE INTRODUCTION. FOR DEFINITIONS OF TERMS, SEE APPENDIXES A AND B]

MICHIGAN

	TOTAL												RURAL	
	TOTAL		WHITE		BLACK		AMER. INDIAN, ESKIMO / ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)			
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS-CON.														
INDUSTRY-CON.														
FABRICATED METAL INDUSTRIES	5 500	2 388	4 878	2 143	514	176	24	23	42	29	126	73	1 776	905
MACHINERY, EXCEPT ELECTRICAL	11 175	2 126	10 375	1 826	622	266	71	2	45	12	166	37	3 551	785
ELECTRICAL MACHINERY, EQUIPMENT, AND SUPPLIES	1 289	1 391	1 195	1 204	67	181	14	6	-	-	43	15	504	625
TRANSPORTATION EQUIPMENT	23 801	7 065	18 143	5 021	5 120	1 906	86	19	68	30	697	191	6 239	1 846
MOTOR VEHICLES AND MOTOR VEHICLE EQUIPMENT	23 055	6 787	17 451	4 807	5 081	1 842	83	19	68	30	691	191	5 935	1 740
OTHER TRANSPORTATION EQUIPMENT	746	278	692	214	39	64	3	-	-	-	6	-	304	106
PROFESSIONAL AND PHOTOGRAPHIC EQUIPMENT, AND WATCHES	368	289	341	259	12	30	-	-	7	-	8	-	108	134
MISCELLANEOUS MANUFACTURING INDUSTRIES	1 022	1 042	890	896	127	141	-	5	5	-	22	13	399	297
NOT SPECIFIED MANUFACTURING INDUSTRIES	719	387	555	348	148	17	7	-	7	-	10	22	209	135
NONMANUFACTURING INDUSTRIES	5 521	2 475	4 752	1 861	652	547	48	36	15	6	117	70	1 666	520
CONSTRUCTION	913	58	827	58	83	-	1	-	-	-	7	-	313	17
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	1 091	232	931	103	141	112	-	10	7	-	18	14	391	24
WHOLESALE TRADE	1 218	374	1 012	331	176	41	9	2	6	-	31	9	391	101
RETAIL TRADE	635	487	568	413	53	73	-	1	-	-	15	7	168	148
BUSINESS AND REPAIR SERVICES	657	366	589	312	35	50	27	-	-	-	22	4	149	88
PUBLIC ADMINISTRATION	221	138	181	97	38	36	-	5	2	-	8	5	91	34
ALL OTHER INDUSTRIES	786	820	644	547	126	235	11	18	-	6	16	31	163	108
FABRICATORS, ASSEMBLERS, AND HAND WORKING OCCUPATIONS	146 966	61 472	109 719	45 674	33 971	14 364	804	337	452	473	4 311	1 384	38 481	19 884
WELDERS AND CUTTERS	42 996	4 195	34 487	2 762	7 655	1 342	290	27	125	32	1 051	56	13 888	1 043
SOLDERERS AND BRAZERS	309	488	285	399	20	80	-	9	-	-	4	6	122	216
ASSEMBLERS	101 063	55 862	72 644	41 736	26 020	12 798	507	295	327	441	3 208	1 322	23 699	18 299
HAND CUTTING AND TRIMMING OCCUPATIONS	457	109	353	83	102	26	-	-	-	-	2	-	94	30
HAND MOLDING, CASTING, AND FORMING OCCUPATIONS	454	138	419	134	35	-	-	4	-	-	6	-	104	66
HAND PAINTING, COATING AND DECORATING OCCUPATIONS	1 054	276	967	258	75	18	7	-	-	-	24	-	355	102
HAND ENGRAVING AND PRINTING OCCUPATIONS	51	3	51	3	-	-	-	-	-	-	-	-	15	-
HAND GRINDING AND POLISHING OCCUPATIONS	109	31	102	24	4	7	-	-	-	-	3	-	46	11
MISCELLANEOUS HAND WORKING OCCUPATIONS	473	370	411	275	60	93	-	2	-	-	13	-	158	117
PRODUCTION INSPECTORS, TESTERS, SAMPLERS, AND WEIGHERS	38 429	19 733	31 565	15 723	6 155	3 551	201	163	141	102	743	499	9 913	6 877
PRODUCTION INSPECTORS, CHECKERS, AND EXAMINERS	34 462	17 100	28 173	13 580	5 662	3 148	191	130	116	94	643	375	8 713	5 702
PRODUCTION TESTERS	2 357	685	2 065	556	274	112	7	17	11	-	26	-	626	243
PRODUCTION SAMPLERS AND WEIGHERS	340	69	245	48	73	21	-	-	-	-	22	-	109	-
GRADERS AND SORTERS, EXCEPT AGRICULTURAL	1 270	1 879	1 082	1 539	146	270	3	16	14	8	52	124	465	932
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	178 189	19 608	155 195	17 299	20 518	2 129	1 157	121	264	3	2 538	224	62 804	8 099
MOTOR VEHICLE OPERATORS	110 639	16 577	97 348	14 866	12 047	1 566	668	104	116	3	1 317	142	37 865	7 121
SUPERVISORS, MOTOR VEHICLE OPERATORS	1 040	85	915	70	104	15	7	-	14	-	10	-	171	20
TRUCK DRIVERS, HEAVY	68 824	1 562	61 940	1 323	6 126	196	436	38	29	-	791	23	27 655	481
TRUCK DRIVERS, LIGHT	20 131	1 407	18 547	1 293	1 352	94	113	14	41	-	261	8	5 248	366
DRIVER-SALES WORKERS	7 695	732	7 230	654	421	78	34	-	-	-	41	15	2 013	190
BUS DRIVERS	5 697	11 601	3 889	10 574	1 730	960	38	41	8	3	80	81	1 756	5 739
TAXICAB DRIVERS AND CHAUFFEURS	5 798	998	3 911	786	1 800	201	16	11	24	-	102	5	919	308
PARKING LOT ATTENDANTS	1 373	179	860	153	497	22	16	-	-	-	27	10	77	17
MOTOR TRANSPORTATION OCCUPATIONS, N.E.C.	81	13	56	13	17	-	8	-	-	-	5	-	26	-
RAIL TRANSPORTATION OCCUPATIONS	7 134	88	6 667	66	331	22	63	-	15	-	120	-	2 032	6
RAILROAD CONDUCTORS AND YARDMASTERS	1 983	21	1 888	21	49	-	16	-	5	-	30	-	485	-
LOCOMOTIVE OPERATING OCCUPATIONS	2 018	40	1 900	25	98	15	5	-	-	-	26	-	654	2
RAILROAD BRAKE, SIGNAL, AND SWITCH OPERATORS	2 896	18	2 657	18	184	-	27	-	10	-	62	-	865	2
RAIL VEHICLE OPERATORS, N.E.C.	237	9	222	2	-	7	15	-	-	-	2	-	28	2
WATER TRANSPORTATION OCCUPATIONS	1 362	45	1 324	45	29	-	9	-	-	-	7	-	603	11
SHIP CAPTAINS AND MATES, EXCEPT FISHING BOATS	356	4	351	4	-	-	5	-	-	-	-	-	144	4
SAILORS AND DECKHANDS	728	38	705	38	21	-	2	-	-	-	-	-	370	4
MARINE ENGINEERS	98	-	98	-	-	-	-	-	-	-	7	-	39	-
BRIDGE, LOCK, AND LIGHTHOUSE TENDERS	180	3	170	3	8	-	2	-	-	-	-	-	50	3
MATERIAL MOVING EQUIPMENT OPERATORS	59 054	2 898	49 856	2 322	8 111	541	417	17	133	-	1 094	82	22 304	961
SUPERVISORS, MATERIAL MOVING EQUIPMENT OPERATORS	1 517	88	1 388	58	98	30	9	-	-	-	27	6	441	9
OPERATING ENGINEERS	8 883	84	8 285	56	495	19	89	9	3	-	50	-	4 921	34
LONGSHORE EQUIPMENT OPERATORS	31	-	6	-	25	-	-	-	-	-	-	-	-	-
HOIST AND WINCH OPERATORS	831	49	716	49	80	-	21	-	-	-	22	-	417	12
CRANE AND TOWER OPERATORS	6 667	151	5 290	101	1 225	50	36	-	27	-	184	-	1 944	17
EXCAVATING AND LOADING MACHINE OPERATORS	2 261	27	2 205	27	32	-	17	-	-	-	19	-	1 455	27
GRADER, DOZER, AND SCRAPER OPERATORS	2 392	50	2 277	50	103	-	12	-	-	-	8	-	1 595	18
INDUSTRIAL TRUCK AND TRACTOR EQUIPMENT OPERATORS	28 080	1 156	22 717	962	4 809	186	178	6	88	-	554	32	9 073	392
MISCELLANEOUS MATERIAL MOVING EQUIPMENT OPERATORS	8 392	1 293	6 972	1 019	1 244	256	55	2	15	-	230	44	2 458	452

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MICHIGAN

	TOTAL												RURAL	
	TOTAL		WHITE		BLACK		AMER. INDIAN, ESKIMO / ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)			
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS	146 449	36 990	124 756	31 551	18 532	4 789	1 029	154	492	166	3 342	846	44 810	12 715
SUPERVISORS; HANDLERS, EQUIPMENT CLEANERS, AND LABORERS, N.E.C.	80	9	68	9	12	-	-	-	-	-	-	-	10	9
HELPERS, MECHANICS AND REPAIRERS	545	59	473	30	57	24	6	-	-	5	15	-	179	22
HELPERS, CONSTRUCTION AND EXTRACTIVE OCCUPATIONS	3 429	81	3 021	78	304	-	20	3	18	-	104	-	1 502	33
HELPERS, CONSTRUCTION TRADES	2 917	31	2 548	31	272	-	20	-	11	-	97	-	1 231	21
HELPERS, SURVEYOR	291	38	262	35	22	-	-	3	7	-	7	-	117	8
HELPERS, EXTRACTIVE OCCUPATIONS	221	12	211	12	10	-	-	-	-	-	-	-	154	4
CONSTRUCTION LABORERS	23 908	672	20 361	552	3 062	81	211	12	30	-	522	38	9 430	248
PRODUCTION HELPERS	2 799	1 053	2 338	872	385	140	-	4	37	34	62	3	664	269
FREIGHT, STOCK, AND MATERIAL HANDLERS	48 794	9 885	42 759	8 708	5 123	1 045	285	47	145	25	952	136	13 409	3 145
GARBAGE COLLECTORS	2 104	86	1 533	68	499	15	35	3	-	-	53	-	536	44
STEVEDORES	87	-	55	-	32	-	-	-	-	-	-	-	20	-
STOCK HANDLERS AND BAGGERS	30 141	7 436	26 938	6 846	2 705	530	123	23	113	2	511	88	8 119	2 335
MACHINE FEEDERS AND OFFBEARERS	1 789	1 290	1 559	1 060	160	188	18	14	-	16	113	18	505	462
FREIGHT, STOCK, AND MATERIAL HANDLERS, N.E.C.	14 673	1 073	12 674	734	1 727	312	109	7	32	7	275	30	4 229	304
GARAGE AND SERVICE STATION RELATED OCCUPATIONS	14 226	1 441	12 851	1 329	1 120	101	114	5	39	6	232	8	4 565	609
VEHICLE WASHERS AND EQUIPMENT CLEANERS	7 465	802	6 077	656	1 250	136	25	8	61	2	117	5	1 729	225
HAND PACKERS AND PACKAGERS	7 226	14 938	5 915	12 977	1 107	1 672	78	34	22	56	272	477	1 910	5 377
LABORERS, EXCEPT CONSTRUCTION	37 977	8 050	30 893	6 340	6 112	1 590	290	41	140	38	1 066	179	11 412	2 778
MANUFACTURING	20 703	5 034	16 076	3 875	4 067	1 088	143	14	77	33	686	115	6 290	1 850
NONDURABLE GOODS	4 211	1 757	3 514	1 481	546	261	47	-	17	-	160	51	1 729	731
FOOD AND KINDRED PRODUCTS	1 877	602	1 527	507	274	82	15	-	13	-	97	37	796	317
TEXTILE MILL AND FINISHED TEXTILE PRODUCTS	131	106	94	75	21	31	11	-	-	-	12	-	16	40
PAPER AND ALLIED PRODUCTS	728	245	664	191	51	54	9	-	-	-	6	7	296	58
CHEMICALS AND ALLIED PRODUCTS	871	361	693	304	134	57	10	-	4	-	41	5	327	121
RUBBER AND MISCELLANEOUS PLASTICS PRODUCTS	367	245	329	214	38	31	-	-	-	-	4	-	196	127
OTHER NONDURABLE GOODS	237	198	207	190	28	6	2	-	-	-	-	2	98	68
DURABLE GOODS	16 258	3 192	12 388	2 357	3 461	779	96	14	60	33	513	64	4 507	1 098
FURNITURE, LUMBER, AND WOOD PRODUCTS	1 175	250	1 059	214	83	19	11	1	8	14	30	7	580	175
STONE, CLAY, GLASS, AND CONCRETE PRODUCTS	968	160	811	155	114	-	10	-	4	5	29	-	266	62
PRIMARY METAL INDUSTRIES	3 983	426	2 947	252	893	167	40	7	15	-	174	15	801	41
FABRICATED METAL INDUSTRIES	1 773	545	1 514	478	225	64	5	-	17	-	27	7	678	203
MACHINERY, EXCEPT ELECTRICAL	1 515	285	1 338	250	145	27	5	2	-	2	40	14	570	123
ELECTRICAL MACHINERY, EQUIPMENT, AND SUPPLIES	279	160	232	128	45	28	2	4	-	-	-	-	76	79
TRANSPORTATION EQUIPMENT	6 172	1 124	4 141	711	1 910	405	23	-	16	8	187	21	1 443	317
MOTOR VEHICLES AND MOTOR VEHICLE EQUIPMENT	5 940	1 067	3 948	666	1 873	393	21	-	16	8	181	21	1 361	290
OTHER DURABLE GOODS	393	242	346	169	46	69	-	-	-	4	26	-	93	98
NOT SPECIFIED MANUFACTURING INDUSTRIES	234	85	174	37	60	48	-	-	-	-	13	-	54	21
NONMANUFACTURING INDUSTRIES	17 274	3 016	14 817	2 465	2 045	502	147	27	63	5	380	64	5 122	928
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	3 880	339	3 212	283	581	50	21	6	-	-	112	-	1 238	115
WHOLESALE TRADE	4 700	681	4 104	600	457	64	42	5	43	-	108	18	1 144	155
RETAIL TRADE	3 443	769	3 109	711	286	50	33	3	-	5	48	-	945	213
BUSINESS AND REPAIR SERVICES	1 236	196	1 048	135	158	58	4	3	7	-	41	-	361	22
PUBLIC ADMINISTRATION	1 313	182	959	79	315	98	19	5	-	-	29	3	416	69
ALL OTHER INDUSTRIES	2 702	849	2 385	657	248	182	28	5	13	-	42	43	1 018	354
EXPERIENCED UNEMPLOYED NOT CLASSIFIED BY OCCUPATION	7 135	12 692	3 838	8 374	3 131	3 940	33	102	33	94	209	307	1 336	2 888
LAST JOB ARMED FORCES	1 931	237	1 473	149	426	88	10	-	2	-	47	-	646	65
LAST WORKED 1974 OR EARLIER	5 204	12 455	2 365	8 225	2 705	3 852	23	102	31	94	162	307	690	2 823

(1) PERSONS OF SPANISH ORIGIN MAY BE OF ANY RACE.

TABLE 219. (A) DETAILED OCCUPATION OF EMPLOYED PERSONS BY SEX, RACE, AND SPANISH ORIGIN: 1980

[DATA ARE ESTIMATES BASED ON A SAMPLE; SEE INTRODUCTION. FOR MEANING OF SYMBOLS, SEE INTRODUCTION. FOR DEFINITIONS OF TERMS, SEE APPENDIXES A AND B]

MICHIGAN

	THE STATE												RURAL	
	TOTAL													
	TOTAL		WHITE		BLACK		AMER. INDIAN, ESKIMO / ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)			
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
EMPLOYED PERSONS 16 YEARS AND OVER	2 181 242	1 569 490	1 966 758	1 365 214	179 585	180 367	8 340	5 577	14 341	10 621	29 852	20 617	641 238	405 986
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS	487 584	315 471	454 997	278 207	23 004	31 408	965	882	7 513	4 029	3 921	3 002	112 184	72 514
EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS	244 022	100 072	230 399	89 373	11 119	9 537	512	332	1 508	519	1 645	862	58 837	22 569
LEGISLATORS, CHIEF EXECUTIVES AND GENERAL ADMINISTRATORS; PUBLIC ADMINISTRATION	1 536	491	1 323	351	183	127	13	13	-	-	12	2	500	128
ADMINISTRATORS AND OFFICIALS, PUBLIC ADMINISTRATION	6 173	3 709	5 517	3 106	571	582	55	21	28	-	33	23	1 829	1 425
FEDERAL	1 267	553	1 098	376	135	167	34	10	-	-	-	-	262	88
STATE	1 965	759	1 737	573	202	178	8	8	16	-	21	11	628	140
LOCAL	2 941	2 397	2 682	2 157	234	237	13	3	12	-	12	12	939	1 197
ADMINISTRATORS, PROTECTIVE SERVICES	742	85	706	85	34	-	2	-	-	-	12	-	256	22
FINANCIAL MANAGERS	9 904	5 299	9 492	4 932	324	332	8	2	72	12	28	44	2 047	1 225
PERSONNEL AND LABOR RELATIONS MANAGERS	5 867	2 672	5 469	2 337	343	303	-	13	41	6	63	26	1 340	558
PURCHASING MANAGERS	2 026	430	1 984	402	19	28	-	-	23	-	13	-	334	61
MANAGERS, MARKETING, ADVERTISING, AND PUBLIC RELATIONS	21 166	4 160	20 527	3 945	485	194	26	2	105	15	106	13	4 381	761
ADMINISTRATORS, EDUCATION AND RELATED FIELDS	10 529	5 239	9 466	4 357	952	829	25	27	55	4	72	80	3 060	991
MANAGERS, MEDICINE AND HEALTH	2 029	1 887	1 814	1 590	193	247	9	21	13	25	7	14	410	453
MANAGERS, PROPERTIES AND REAL ESTATE	3 208	2 195	3 004	1 871	185	300	19	13	-	-	-	24	549	268
POSTMASTERS AND MAIL SUPERINTENDENTS	564	308	555	305	7	3	-	-	-	-	5	4	352	285
FUNERAL DIRECTORS	1 318	106	1 221	92	97	14	-	-	-	-	-	-	338	15
MANAGERS AND ADMINISTRATORS, N.E.C.,														
SALARIED	106 965	37 092	102 114	34 199	3 721	2 503	190	144	683	143	757	318	26 898	7 918
CONSTRUCTION	5 333	567	5 199	523	105	44	18	-	-	-	5	-	1 737	138
MANUFACTURING	37 415	3 544	36 458	3 426	644	102	48	-	242	16	189	17	9 991	805
NONDURABLE GOODS	9 295	1 186	9 037	1 129	155	41	30	-	61	16	47	9	2 763	302
DURABLE GOODS	28 120	2 358	27 421	2 297	489	61	18	-	181	-	142	8	7 228	503
TRANSPORTATION	4 514	682	4 371	652	111	30	11	-	11	-	39	12	1 124	143
COMMUNICATIONS, UTILITIES AND SANITARY SERVICES	2 912	1 144	2 702	963	173	168	12	11	15	2	10	2	818	164
WHOLESALE TRADE	8 775	1 623	8 592	1 563	114	60	13	-	51	-	15	6	2 336	329
RETAIL TRADE	20 692	11 437	19 468	10 835	946	497	31	19	159	68	241	108	4 608	2 543
GENERAL MERCHANDISE STORES	1 472	1 025	1 341	953	109	67	-	-	18	-	26	11	240	211
FOOD, BAKERY, AND DAIRY STORES	2 220	751	2 113	726	97	4	4	-	6	21	5	-	680	149
AUTOMOTIVE DEALERS AND GASOLINE STATIONS	2 548	740	2 520	734	21	-	-	-	7	6	12	-	698	265
EATING AND DRINKING PLACES	9 047	5 958	8 303	5 544	552	362	21	6	108	39	148	79	1 717	1 422
OTHER RETAIL TRADE	5 405	2 963	5 191	2 878	167	64	6	13	20	2	50	18	1 273	496
FINANCE, INSURANCE, AND REAL ESTATE	5 069	2 827	4 854	2 631	168	178	-	-	28	18	35	5	1 020	549
BUSINESS AND REPAIR SERVICES	5 301	1 780	5 080	1 671	183	104	6	5	26	-	33	22	1 111	263
PERSONAL SERVICES	2 313	1 730	2 135	1 562	150	124	5	22	7	4	27	18	693	534
ALL OTHER INDUSTRIES	14 641	11 758	13 255	10 373	1 127	1 196	46	87	144	35	163	128	3 460	2 450
MANAGERS AND ADMINISTRATORS, N.E.C.,														
SELF-EMPLOYED	13 286	4 732	12 601	4 446	507	171	28	9	129	78	91	66	4 954	1 982
CONSTRUCTION	1 781	50	1 706	44	71	-	3	-	-	-	6	-	827	23
MANUFACTURING	1 803	218	1 762	202	38	3	3	-	-	7	7	6	685	82
NONDURABLE GOODS	694	121	653	118	38	3	3	-	-	-	7	-	191	43
DURABLE GOODS	1 109	97	1 109	84	-	-	-	-	-	7	-	6	494	39
TRANSPORTATION	400	71	386	71	12	-	-	-	-	-	7	-	210	34
COMMUNICATIONS, UTILITIES AND SANITARY SERVICES	55	6	47	6	8	-	-	-	-	-	-	-	23	-
WHOLESALE TRADE	486	153	464	153	22	-	-	-	-	-	-	-	204	57
RETAIL TRADE	5 023	2 425	4 677	2 246	199	89	20	9	117	71	29	42	1 594	1 067
GENERAL MERCHANDISE STORES	41	19	35	19	6	-	-	-	-	-	-	-	21	19
FOOD, BAKERY, AND DAIRY STORES	478	177	421	163	41	12	-	-	16	2	9	2	131	63
AUTOMOTIVE DEALERS AND GASOLINE STATIONS	188	12	175	12	11	-	2	-	-	-	2	-	66	7
EATING AND DRINKING PLACES	3 266	1 641	3 050	1 500	111	67	8	2	87	69	18	13	1 091	754
OTHER RETAIL TRADE	1 050	576	996	552	30	10	10	7	14	-	-	27	285	224
FINANCE, INSURANCE, AND REAL ESTATE	318	127	307	127	11	-	-	-	-	-	-	-	77	37
BUSINESS AND REPAIR SERVICES	1 248	268	1 202	261	42	7	-	-	-	-	12	-	428	72
PERSONAL SERVICES	1 201	719	1 112	671	81	48	2	-	6	-	10	12	519	357
ALL OTHER INDUSTRIES	971	695	938	665	23	24	-	-	6	-	20	6	387	253
MANAGEMENT RELATED OCCUPATIONS	58 709	31 667	54 606	27 355	3 498	3 904	137	67	359	236	446	248	11 589	6 477
ACCOUNTANTS AND AUDITORS	24 060	12 871	22 670	11 173	1 051	1 486	46	15	259	152	197	99	3 844	2 490
UNDERWRITERS	217	169	203	163	14	6	-	-	-	-	-	-	6	19
OTHER FINANCIAL OFFICERS	7 122	5 349	6 757	4 900	311	422	7	-	21	20	49	13	1 428	1 499
MANAGEMENT ANALYSTS	2 208	789	2 109	687	85	96	14	2	-	4	-	-	317	133
PERSONNEL, TRAINING, AND LABOR RELATIONS SPECIALISTS	10 436	6 984	9 251	5 492	1 086	1 375	36	34	34	45	87	112	2 370	1 267
PURCHASING AGENTS AND BUYERS, FARM PRODUCTS	182	10	174	10	8	-	-	-	-	-	-	-	131	5
BUYERS, WHOLESALE AND RETAIL TRADE EXCEPT FARM PRODUCTS	2 830	2 237	2 793	2 132	16	72	7	16	14	11	31	6	603	362
PURCHASING AGENTS AND BUYERS, N.E.C.	5 765	1 911	5 533	1 706	203	196	8	-	14	-	38	18	1 451	444
BUSINESS AND PROMOTION AGENTS	349	187	293	183	56	4	-	-	-	-	-	-	59	55
CONSTRUCTION INSPECTORS	1 634	27	1 467	27	153	-	7	-	7	-	-	-	473	14
INSPECTORS AND COMPLIANCE OFFICERS, EXC. CONSTRUCTION	3 502	734	2 980	561	487	173	12	-	10	-	44	-	867	137
MANAGEMENT RELATED OCCUPATIONS, N.E.C.	404	399	376	321	28	74	-	-	-	4	-	-	40	52
PROFESSIONAL SPECIALTY OCCUPATIONS	243 562	215 399	224 598	188 834	11 885	21 871	453	550	6 005	3 510	2 276	2 140	53 347	49 945
ENGINEERS, ARCHITECTS, AND SURVEYORS	64 907	2 786	60 720	2 363	1 901	340	93	7	2 068	76	500	37	13 850	439
ARCHITECTS	2 814	209	2 670	199	69	4	-	-	62	6	51	14	532	13
ENGINEERS	61 337	2 530	57 305	2 123	1 826	330	93	7	2 001	70	436	23	13 044	407
AEROSPACE	468	4	442	4	13	-	-	-	13	-	5	-	101	-
METALLURGICAL AND MATERIALS	1 714	57	1 650	57	41	-	2	-	16	-	5	-	342	6
MINING	79	10	79	10	-	-	-	-	-	-	-	-	31	-
PETROLEUM	124	4	119	4	5	-	-	-	-	-	-	-	65	2
CHEMICAL	2 025	116	1 914	81	14	12	-	7	97	16	35	-	493	14
NUCLEAR	159	9	141	9	6	-	6	-	6	-	-	-	43	-
CIVIL	5 360	171	4 842	140	206	12	2	-	301	19	55	-	1 285	30
AGRICULTURAL	186	14	166	14	8	-	-	-	12	-	-	-	37	2
ELECTRICAL AND ELECTRONIC	7 370	441	6 895	362	212	79	-	-	237	-	55	-	1 848	68
INDUSTRIAL	9 206	639	8 763	566	280	73	11	-	137	-	63	17	2 289	162
MECHANICAL	25 648	695	23 956	566	819	94	44	-	813	35	155	6	4 470	58
MARINE AND NAVAL ARCHITECTS	281	19	258	19	-	-	-	-	23	-	-	-	72	2
ENGINEERS, N.E.C.	8 717	351	8 080	291	222	60	28	-	346	-	63	-	1 968	63
SURVEYORS AND MAPPING SCIENTISTS	756	47	745	41	6	6	-	-	5	-	13	-	274	19

(1) PERSONS OF SPANISH ORIGIN MAY BE OF ANY RACE.

TABLE 219. (A) DETAILED OCCUPATION OF EMPLOYED PERSONS BY SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

[DATA ARE ESTIMATES BASED ON A SAMPLE; SEE INTRODUCTION. FOR MEANING OF SYMBOLS, SEE INTRODUCTION. FOR DEFINITIONS OF TERMS, SEE APPENDIXES A AND B]

MICHIGAN

	THE STATE													
	TOTAL												RURAL	
	TOTAL		WHITE		BLACK		AMER. INDIAN, ESKIMO / ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)			
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
MATHEMATICAL AND COMPUTER SCIENTISTS	8 973	2 870	8 247	2 554	402	262	21	-	282	38	72	35	1 233	320
COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS	5 914	1 592	5 475	1 417	205	168	8	-	217	7	46	19	907	177
OPERATIONS AND SYSTEMS RESEARCHERS AND ANALYSTS	2 231	819	2 019	723	155	73	13	-	32	13	20	10	207	134
ACTUARIES	154	51	154	51	-	-	-	-	-	-	-	-	18	-
STATISTICIANS	658	408	583	363	42	21	-	-	33	18	6	6	96	9
MATHEMATICAL SCIENTISTS, N.E.C.	16	-	16	-	-	-	-	-	-	-	-	-	5	-
NATURAL SCIENTISTS	6 917	1 867	6 259	1 631	291	124	13	3	336	93	63	24	1 852	352
PHYSICISTS AND ASTRONOMERS	299	10	281	10	-	-	-	-	18	-	-	-	58	-
CHEMISTS, EXCEPT BIOCHEMISTS	3 475	687	3 019	564	234	52	-	-	209	58	24	21	671	86
ATMOSPHERIC AND SPACE SCIENTISTS	135	74	121	74	6	-	-	-	8	-	-	-	49	12
GEOLOGISTS AND GEODESISTS	327	42	317	42	-	-	-	-	5	-	5	-	91	8
PHYSICAL SCIENTISTS, N.E.C.	156	33	156	33	-	-	-	-	-	-	-	-	32	8
AGRICULTURAL AND FOOD SCIENTISTS	429	137	423	128	6	6	-	-	-	-	14	3	143	34
BIOLOGICAL AND LIFE SCIENTISTS	944	468	905	424	7	29	6	-	26	15	-	-	239	104
FORESTRY AND CONSERVATION SCIENTISTS	721	91	691	91	14	-	7	-	9	-	5	-	471	58
MEDICAL SCIENTISTS	431	325	346	265	24	37	-	3	61	20	15	-	98	42
HEALTH DIAGNOSING OCCUPATIONS	22 624	2 873	19 685	1 975	794	252	20	12	2 027	619	440	66	4 062	360
PHYSICIANS	14 453	2 377	11 765	1 512	620	226	13	5	1 957	619	416	66	2 050	254
DENTISTS	5 168	223	4 949	194	156	22	7	7	56	-	18	-	1 013	6
VETERINARIANS	1 113	136	1 096	132	3	4	-	-	14	-	-	-	540	63
OPTOMETRISTS	835	76	835	76	-	-	-	-	-	-	6	-	195	21
PODIATRISTS	320	12	317	12	3	-	-	-	-	-	-	-	51	-
HEALTH DIAGNOSING PRACTITIONERS, N.E.C.	735	49	723	49	12	-	-	-	-	-	-	-	213	16
HEALTH ASSESSMENT AND TREATING OCCUPATIONS	9 609	54 928	8 765	48 806	628	4 138	23	92	178	1 777	127	557	2 180	13 005
REGISTERED NURSES	1 866	45 083	1 575	40 149	220	3 184	12	72	59	1 582	33	502	458	10 988
PHARMACISTS	4 504	1 528	4 345	1 375	102	124	2	-	55	29	7	12	1 031	287
DIETITIANS	140	2 165	119	1 749	21	348	-	5	-	56	17	17	13	386
THERAPISTS	2 357	5 672	2 100	5 119	220	447	9	15	28	79	36	26	509	1 258
INHALATION THERAPISTS	1 048	1 374	939	1 155	95	205	9	2	5	7	14	6	204	278
OCCUPATIONAL THERAPISTS	66	916	49	868	12	43	-	-	5	5	-	-	15	172
PHYSICAL THERAPISTS	391	1 145	359	1 052	20	38	-	7	12	41	6	7	98	270
SPEECH THERAPISTS	234	1 200	226	1 124	8	76	-	-	-	-	1	7	58	315
THERAPISTS, N.E.C.	618	1 037	527	920	85	85	-	6	6	26	15	6	134	223
PHYSICIANS' ASSISTANTS	742	480	626	414	65	35	-	-	36	31	34	-	169	86
TEACHERS, POSTSECONDARY	15 430	8 267	14 217	7 504	545	514	39	31	545	187	233	173	2 780	1 504
BIOLOGICAL SCIENCE TEACHERS	251	58	251	58	-	-	-	-	-	-	-	-	71	6
CHEMISTRY TEACHERS	259	77	246	72	-	-	-	-	13	5	-	6	26	3
PHYSICS TEACHERS	203	38	192	38	-	-	-	-	11	-	-	-	32	11
OTHER NATURAL SCIENCE TEACHERS	91	18	86	18	-	-	-	-	5	-	2	-	18	6
PSYCHOLOGY TEACHERS	101	106	77	92	6	-	18	-	-	-	6	27	30	14
ECONOMICS TEACHERS	171	32	171	29	-	-	-	-	-	3	7	-	29	18
HISTORY TEACHERS	168	82	160	75	8	7	-	-	-	-	6	-	33	13
OTHER SOCIAL SCIENCE TEACHERS	205	62	187	62	7	-	5	-	-	-	6	8	41	18
ENGINEERING TEACHERS	449	47	398	47	6	-	2	-	31	-	19	-	108	5
MATHEMATICAL AND COMPUTER SCIENCE TEACHERS	502	247	454	226	18	9	-	-	22	7	20	4	98	40
MEDICAL SCIENCE TEACHERS	308	96	295	90	13	-	-	-	-	6	20	-	68	12
HEALTH SPECIALTIES TEACHERS	110	858	110	784	-	44	-	5	-	25	-	17	14	218
BUSINESS, COMMERCE, AND MARKETING TEACHERS	217	176	196	144	10	27	-	-	11	5	-	-	61	38
ART, DRAMA, AND MUSIC TEACHERS	443	405	431	372	12	20	-	6	-	7	-	-	85	95
ENGLISH TEACHERS	336	404	336	378	-	26	-	-	-	-	6	-	46	77
FOREIGN LANGUAGE TEACHERS	122	185	112	180	-	-	-	-	10	5	10	32	19	11
OTHER SPECIFIED TEACHERS	638	379	624	333	14	40	-	-	-	6	13	-	151	71
POSTSECONDARY TEACHERS, SUBJECT NOT SPECIFIED	10 856	4 997	9 891	4 506	451	341	14	20	442	118	118	79	1 850	848
TEACHERS, EXCEPT POSTSECONDARY	45 934	94 928	42 791	84 202	2 737	9 875	101	214	207	424	250	693	14 446	24 945
TEACHERS, PREKINDERGARTEN AND KINDERGARTEN	195	4 991	156	4 544	34	398	-	14	-	26	-	26	44	1 170
TEACHERS, ELEMENTARY SCHOOL	26 746	64 964	24 847	56 901	1 647	7 501	63	137	139	285	138	452	8 436	17 676
TEACHERS, SECONDARY SCHOOL	15 398	17 586	14 514	15 851	793	1 587	29	29	28	63	86	170	5 175	4 547
TEACHERS, SPECIAL EDUCATION	283	694	276	638	7	56	-	-	-	-	-	-	77	168
TEACHERS, N.E.C.	3 312	6 693	2 998	6 268	256	333	9	34	40	50	26	45	714	1 384
COUNSELORS, EDUCATIONAL AND VOCATIONAL	3 612	4 312	3 065	3 318	517	881	6	31	24	34	28	88	761	617
LIBRARIANS, ARCHIVISTS, AND CURATORS	1 285	5 793	1 192	5 221	59	493	5	13	29	52	9	34	212	1 445
LIBRARIANS	1 160	5 563	1 078	5 021	53	463	5	13	24	52	-	34	186	1 419
ARCHIVISTS AND CURATORS	125	230	114	200	6	30	-	-	5	-	9	-	26	26
SOCIAL SCIENTISTS AND URBAN PLANNERS	4 593	2 478	4 269	2 193	215	224	-	13	57	42	92	28	617	368
ECONOMISTS	2 035	787	1 867	657	116	126	-	-	39	4	15	-	214	117
PSYCHOLOGISTS	2 090	1 438	1 989	1 337	72	60	-	7	6	28	49	13	362	228
SOCIOLOGISTS	36	18	29	18	-	-	-	-	-	-	7	-	-	9
SOCIAL SCIENTISTS, N.E.C.	144	70	134	64	-	-	-	6	6	-	16	7	18	13
URBAN PLANNERS	288	165	250	117	27	38	-	-	6	10	5	8	23	1
SOCIAL, RECREATION, AND RELIGIOUS WORKERS	17 431	16 153	15 472	12 211	1 844	3 690	23	55	49	63	191	236	4 782	3 217
SOCIAL WORKERS	7 142	13 635	5 905	9 850	1 197	3 546	7	45	12	63	106	233	1 605	2 662
RECREATION WORKERS	340	657	248	577	88	72	-	5	-	-	11	3	49	229
CLERGY	9 386	590	8 795	563	522	27	14	-	37	-	69	-	3 018	119
RELIGIOUS WORKERS, N.E.C.	563	1 271	524	1 221	37	45	2	5	-	-	5	-	110	207
LAWYERS AND JUDGES	15 031	2 183	14 406	1 928	575	250	18	5	25	-	81	13	2 012	226
LAWYERS	14 153	2 006	13 617	1 806	490	195	14	5	25	-	81	13	1 819	180
JUDGES	878	177	789	122	85	55	4	-	-	-	-	-	193	46
WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES	27 216	15 961	25 510	14 928	1 377	828	91	74	178	105	190	156	4 560	3 147
AUTHORS	367	342	363	320	-	22	2	-	2	-	-	-	80	77
TECHNICAL WRITERS	1 019	438	978	385	27	53	7	-	7	-	2	-	184	31
DESIGNERS	9 224	4 994	8 917	4 814	227	121	7	20	60	33	45	45	1 575	1 192
MUSICIANS AND COMPOSERS	2 785	1 471	2 474	1 354	261	111	32	-	13	6	30	7	416	274
ACTORS AND DIRECTORS	788	355	706	306	72	49	-	-	10	-	5	-	77	48
PAINTERS, SCULPTORS, CRAFT-ARTISTS, AND ARTIST PRINTMAKERS	2 489	1 974	2 340	1 918	98	21	17	14	17	8	17	20	463	338
PHOTOGRAPHERS	2 442	749	2 284	714	117	28	-	-	22	5	41	2	345	174
DANCERS	33	93	33	89	-	4	-	-	-	-	-	-	15	4
ARTISTS, PERFORMERS AND RELATED WORKERS, N.E.C.	751	632	660	606	81	26	6	-	4	-	-	21	158	134
EDITORS AND REPORTERS	2 832	2 515	2 737	2 284	63	157	6	28	20	41	19	37	424	436
PUBLIC RELATIONS SPECIALISTS	1 979	1 586	1 821	1 396	158	177	-	7	-	6	6	16	282	243
ANNOUNCERS	1 250	295	1 088	256	142	33	4	-	16	6	15	-	243	44
ATHLETES	1 257	517	1 109	486	131	26	10	5	7	-	10	8	298	152

(1) PERSONS OF SPANISH ORIGIN MAY BE OF ANY RACE.

TABLE 219. (A) DETAILED OCCUPATION OF EMPLOYED PERSONS BY SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

[DATA ARE ESTIMATES BASED ON A SAMPLE; SEE INTRODUCTION. FOR MEANING OF SYMBOLS, SEE INTRODUCTION. FOR DEFINITIONS OF TERMS, SEE APPENDIXES A AND B]

MICHIGAN

	THE STATE												RURAL	
	TOTAL		WHITE		BLACK		TOTAL AMER. INDIAN, ESKIMO / ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)			
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS	376 277	718 041	347 386	637 231	24 355	72 582	914	1 983	2 255	3 281	3 786	8 253	86 912	169 152
TECHNICIANS AND RELATED SUPPORT OCCUPATIONS	60 601	50 752	56 143	43 260	3 065	6 395	152	189	988	720	676	587	12 322	12 448
HEALTH TECHNOLOGISTS AND TECHNICIANS	6 226	36 214	5 284	30 484	677	5 050	15	121	192	470	104	355	1 183	9 607
CLINICAL LABORATORY TECHNOLOGISTS AND TECHNICIANS	2 275	7 223	1 929	5 866	239	977	-	13	95	337	23	96	427	1 266
DENTAL HYGIENISTS	19	2 389	19	2 334	-	55	-	-	-	-	-	16	-	605
HEALTH RECORD TECHNOLOGISTS AND TECHNICIANS	26	666	13	589	13	71	-	-	-	6	-	28	13	132
RADIOLOGIC TECHNICIANS	1 188	2 898	990	2 501	154	367	5	16	17	14	34	15	262	581
LICENSED PRACTICAL NURSES	671	19 263	546	16 110	117	2 923	5	90	3	81	-	167	201	6 241
HEALTH TECHNOLOGISTS AND TECHNICIANS, N.E.C.	2 047	3 775	1 787	3 084	154	657	5	2	77	32	47	33	280	782
ENGINEERING AND RELATED TECHNOLOGISTS AND TECHNICIANS	32 669	4 176	30 860	3 599	1 369	471	85	36	259	55	320	62	6 857	836
ELECTRICAL AND ELECTRONIC TECHNICIANS	5 333	574	5 067	426	210	145	17	-	33	-	20	18	1 106	113
INDUSTRIAL ENGINEERING TECHNICIANS	359	50	347	50	6	-	-	-	6	-	-	-	89	4
MECHANICAL ENGINEERING TECHNICIANS	1 769	72	1 659	65	77	7	-	-	19	-	31	-	334	-
ENGINEERING TECHNICIANS, N.E.C.	8 060	1 577	7 535	1 378	448	162	22	9	46	26	45	16	1 951	380
DRAFTING OCCUPATIONS	16 321	1 795	15 446	1 611	619	132	34	22	155	23	224	25	2 937	300
SURVEYING AND MAPPING TECHNICIANS	827	108	806	69	9	25	12	5	-	6	-	3	440	39
SCIENCE TECHNICIANS	4 607	1 945	4 126	1 680	314	171	30	14	115	52	25	41	1 186	602
BIOLOGICAL TECHNICIANS	890	651	810	567	51	78	16	-	13	6	-	-	321	281
CHEMICAL TECHNICIANS	2 262	572	2 002	490	179	36	12	-	47	35	17	16	474	143
SCIENCE TECHNICIANS, N.E.C.	1 455	722	1 314	623	84	57	2	14	55	11	8	25	391	178
TECHNICIANS, EXCEPT HEALTH, ENGINEERING, AND SCIENCE	17 099	8 417	15 873	7 497	705	703	22	18	422	143	227	129	3 096	1 403
AIRPLANE PILOTS AND NAVIGATORS	1 182	4	1 182	4	-	-	-	-	-	-	13	-	351	-
AIR TRAFFIC CONTROLLERS	525	153	443	120	49	29	-	-	18	4	15	-	92	30
BROADCAST EQUIPMENT OPERATORS	1 227	844	1 179	795	48	43	-	6	-	-	13	11	324	233
COMPUTER PROGRAMMERS	6 938	3 099	6 478	2 731	340	282	15	5	84	68	70	36	1 018	429
TOOL PROGRAMMERS, NUMERICAL CONTROL	304	70	298	53	6	11	-	-	-	6	-	-	24	4
LEGAL ASSISTANTS	481	1 178	454	1 104	13	63	-	-	7	-	6	37	92	275
TECHNICIANS, N.E.C.	6 442	3 069	5 839	2 690	249	275	7	7	313	65	110	45	1 195	432
SALES OCCUPATIONS	179 015	180 267	170 378	166 499	7 244	12 025	403	439	606	726	1 352	2 029	45 633	43 929
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS, SALARIED	28 697	10 973	27 368	10 400	1 055	490	66	9	125	52	265	114	7 948	2 649
MANUFACTURING	1 702	170	1 623	159	70	6	-	-	-	5	37	-	418	55
WHOLESALE TRADE	3 298	271	3 176	261	99	10	5	-	18	-	11	-	962	76
RETAIL TRADE	21 766	9 970	20 737	9 474	787	421	61	8	107	47	211	101	6 089	2 428
ALL OTHER INDUSTRIES	1 931	562	1 832	506	99	53	-	1	-	-	6	13	479	90
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS, SELF-EMPLOYED	9 510	3 490	9 042	3 282	369	150	7	9	59	32	89	33	3 726	1 708
MANUFACTURING	81	27	81	27	-	-	-	-	-	-	-	-	25	20
WHOLESALE TRADE	910	93	864	86	34	-	-	-	12	7	17	5	334	56
RETAIL TRADE	8 214	3 343	7 804	3 142	331	150	7	9	39	25	72	28	3 281	1 613
ALL OTHER INDUSTRIES	305	27	293	27	4	-	-	-	8	-	-	-	86	19
SALES REPRESENTATIVES, FINANCE AND BUSINESS SERVICES	39 063	19 728	37 206	18 584	1 600	1 015	92	59	126	54	217	167	9 624	4 558
INSURANCE SALES OCCUPATIONS	14 381	4 401	13 470	3 883	763	488	34	19	102	9	57	55	3 662	798
REAL ESTATE SALES OCCUPATIONS	11 915	8 928	11 520	8 618	354	250	23	30	6	28	56	40	3 546	2 759
SECURITIES AND FINANCIAL SERVICES SALES OCCUPATIONS	2 361	488	2 281	472	74	16	-	-	-	-	15	-	323	44
ADVERTISING AND RELATED SALES OCCUPATIONS	2 614	1 547	2 486	1 489	117	58	7	-	-	-	19	13	536	328
SALES OCCUPATIONS, OTHER BUSINESS SERVICES	7 792	4 364	7 449	4 122	292	203	28	10	18	17	70	59	1 557	629
SALES REPRESENTATIVES, COMMODITIES, EXCEPT RETAIL	40 077	5 806	38 934	5 445	924	327	92	17	98	12	144	47	9 130	1 150
SALES ENGINEERS	3 159	36	3 112	36	18	-	-	-	29	-	7	-	585	12
SALES REPRESENTATIVES, MINING, MANUFACTURING, AND WHOLESALE	36 918	5 770	35 822	5 409	906	327	92	17	69	12	137	47	8 545	1 138
WHOLESALE TRADE	23 633	3 683	22 937	3 384	573	282	77	11	35	6	71	21	5 546	683
SALES WORKERS, RETAIL AND PERSONAL SERVICES	61 193	139 731	57 381	128 267	3 275	10 037	139	343	198	570	633	1 662	15 054	33 733
SALES WORKERS, MOTOR VEHICLES AND BOATS	8 885	841	8 620	819	212	15	13	-	5	7	93	14	2 736	242
SALES WORKERS, APPAREL	3 156	14 214	2 819	12 906	285	1 129	11	26	41	100	6	203	473	2 501
SALES WORKERS, SHOES	1 916	2 477	1 645	2 353	259	113	12	-	-	11	26	26	291	494
SALES WORKERS, FURNITURE AND HOME FURNISHINGS	3 247	2 438	3 121	2 372	110	52	-	7	6	-	32	32	738	754
SALES WORKERS, RADIO, TV, HI-FI, AND APPLIANCES	3 466	1 543	3 154	1 457	301	76	-	-	11	10	28	5	701	341
SALES WORKERS, HARDWARE AND BUILDING SUPPLIES	5 604	2 062	5 468	2 026	102	16	15	-	13	11	31	18	2 092	770
SALES WORKERS, PARTS	6 518	524	6 378	484	103	34	14	6	14	-	41	-	2 140	211
SALES WORKERS, OTHER COMMODITIES	14 013	44 304	13 046	41 249	805	2 661	40	85	37	133	168	468	2 795	9 980
RETAIL TRADE	12 791	43 209	11 928	40 347	724	2 476	36	82	24	128	149	462	2 572	9 768
PERSONAL, BUSINESS AND REPAIR SERVICES	165	191	150	183	15	8	-	-	-	-	6	-	22	33
ALL OTHER INDUSTRIES	1 057	904	968	719	66	177	4	3	13	5	13	6	201	179
SALES COUNTER CLERKS	756	3 236	718	2 906	38	304	-	2	-	20	6	28	132	621
CASHIERS	9 427	60 255	8 385	54 177	919	5 365	24	200	64	265	178	810	2 073	14 897
STREET AND DOOR-TO-DOOR SALES WORKERS	1 397	6 426	1 345	6 170	36	229	-	8	7	13	-	36	294	2 287
NEWS VENDORS	2 808	1 411	2 682	1 348	105	43	10	9	-	-	24	22	589	635
SALES RELATED OCCUPATIONS	475	539	447	521	21	6	7	2	-	6	4	6	151	131
DEMONSTRATORS, PROMOTERS AND MODELS, SALES	128	357	120	347	5	6	3	-	-	-	-	6	24	103
AUCTIONEERS	175	11	175	11	-	-	-	-	-	-	-	-	93	4
SALES SUPPORT OCCUPATIONS, N.E.C.	172	171	152	163	16	-	4	2	-	6	4	-	34	24
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL	136 661	487 022	120 865	427 472	14 046	54 162	359	1 355	661	1 835	1 758	5 637	28 957	112 775
SUPERVISORS, ADMINISTRATIVE SUPPORT OCCUPATIONS	21 667	18 692	19 826	16 122	1 672	2 435	41	31	84	61	148	145	4 727	3 977
SUPERVISORS, GENERAL OFFICE	9 902	13 495	8 886	11 649	926	1 755	24	31	42	26	65	100	2 365	3 018
SUPERVISORS, COMPUTER EQUIPMENT OPERATORS	1 342	363	1 285	322	57	41	-	-	-	-	5	-	239	53
SUPERVISORS, FINANCIAL RECORDS PROCESSING	3 867	2 890	3 688	2 614	132	245	6	-	35	31	21	24	531	516
CHIEF COMMUNICATIONS OPERATORS	1 473	765	1 341	596	125	169	-	-	7	-	-	7	400	136
SUPERVISORS; DISTRIBUTION, SCHEDULING, AND ADJUSTING CLERKS	5 083	1 179	4 626	941	432	225	11	-	-	4	57	14	1 192	254

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MICHIGAN

	THE STATE												RURAL	
	TOTAL		WHITE		BLACK		TOTAL AMER. INDIAN, ESKIMO / ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)			
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
COMPUTER EQUIPMENT OPERATORS	5 767	8 788	5 167	7 338	544	1 327	-	36	54	63	50	88	1 055	1 851
COMPUTER OPERATORS	5 595	8 459	5 008	7 113	531	1 238	-	30	54	63	50	79	1 026	1 813
PERIPHERAL EQUIPMENT OPERATORS	172	329	159	225	13	89	-	6	-	-	-	9	29	38
SECRETARIES, STENOGRAPHERS, AND TYPISTS	2 273	174 976	1 946	158 629	295	14 671	15	409	6	546	91	1 952	471	42 221
SECRETARIES	1 405	144 871	1 261	134 023	133	9 520	5	341	6	421	36	1 498	312	36 783
STENOGRAPHERS	246	2 493	213	2 021	33	453	-	-	-	14	31	22	42	361
TYPISTS	622	27 612	472	22 585	129	4 698	10	68	-	111	24	432	117	5 077
INFORMATION CLERKS	4 167	31 059	3 468	27 441	643	3 294	13	94	38	104	21	393	707	6 459
INTERVIEWERS	917	3 494	686	2 962	224	495	7	13	-	9	-	33	229	935
HOTEL CLERKS	531	1 024	508	926	23	95	-	-	-	-	-	19	97	249
TRANSPORTATION TICKET AND RESERVATION AGENTS	1 039	1 428	924	1 145	115	263	-	-	-	14	2	23	167	169
RECEPTIONISTS	1 033	22 022	786	19 801	208	1 990	6	64	28	75	5	240	107	4 532
INFORMATION CLERKS, N.E.C.	647	3 091	564	2 607	73	451	-	17	10	6	14	78	107	574
RECORDS PROCESSING OCCUPATIONS, EXCEPT FINANCIAL	9 079	28 546	7 855	23 841	1 059	4 259	27	85	55	171	205	434	1 661	5 720
CLASSIFIED-AD CLERKS	94	333	88	288	6	45	-	-	-	-	-	7	12	69
CORRESPONDENCE CLERKS	88	376	78	313	10	57	-	-	-	6	-	-	5	60
ORDER CLERKS	4 707	8 850	4 104	7 462	506	1 264	11	18	29	50	138	141	944	1 697
PERSONNEL CLERKS, EXCEPT PAYROLL AND TIMEKEEPING	338	1 900	299	1 594	39	298	-	2	-	5	13	11	61	348
LIBRARY CLERKS	918	5 099	766	4 460	122	560	10	12	12	52	3	52	98	1 267
FILE CLERKS	2 368	8 574	2 025	6 782	314	1 606	6	41	5	36	39	191	458	1 592
RECORDS CLERKS	566	3 414	495	2 942	62	429	-	12	9	22	12	32	83	687
FINANCIAL RECORDS PROCESSING OCCUPATIONS	8 233	68 518	7 542	63 648	562	4 317	33	150	73	224	89	608	1 753	18 018
BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS	5 300	53 434	4 820	50 461	393	2 582	24	125	49	185	69	382	1 088	14 760
PAYROLL AND TIMEKEEPING CLERKS	1 234	5 353	1 128	4 630	81	679	9	20	16	-	8	78	287	1 273
BILLING CLERKS	551	5 808	521	5 232	23	532	-	5	4	15	3	77	108	1 218
COST AND RATE CLERKS	1 016	1 984	992	1 824	24	144	-	-	-	-	3	30	242	383
BILLING, POSTING, AND CALCULATING MACHINE OPERATORS	132	1 939	81	1 501	41	380	-	-	4	24	6	41	28	384
DUPLICATING, MAIL, AND OTHER OFFICE MACHINE OPERATORS	644	1 550	509	1 254	128	258	-	15	6	14	7	31	110	234
DUPLICATING MACHINE OPERATORS	244	503	191	400	52	78	-	7	-	14	1	4	29	99
MAIL PREPARING AND PAPER HANDLING MACHINE OPERATORS	75	151	60	135	15	8	-	8	-	-	6	6	23	27
OFFICE MACHINE OPERATORS, N.E.C.	325	896	258	719	61	172	-	-	6	-	-	21	58	108
COMMUNICATIONS EQUIPMENT OPERATORS	845	9 987	650	8 128	186	1 783	3	34	6	4	-	96	186	1 693
TELEPHONE OPERATORS	723	9 676	548	7 847	166	1 753	3	34	6	4	-	96	151	1 624
TELEGRAPHERS	91	76	76	46	15	30	-	-	-	-	-	-	28	11
COMMUNICATIONS EQUIPMENT OPERATORS, N.E.C.	31	235	26	235	5	-	-	-	-	-	-	-	7	58
MAIL AND MESSAGE DISTRIBUTING OCCUPATIONS	15 637	11 396	12 933	8 108	2 542	3 169	33	37	19	28	199	118	3 460	2 887
POSTAL CLERKS, EXCEPT MAIL CARRIERS	3 746	5 134	2 704	3 088	1 010	1 989	-	34	8	5	61	43	710	1 280
MAIL CARRIERS, POSTAL SERVICE	7 537	2 650	6 609	2 210	865	435	33	2	2	3	67	8	2 100	933
MAIL CLERKS, EXCEPT POSTAL SERVICE	2 699	2 991	2 181	2 305	489	638	-	-	-	20	48	59	398	532
MESSENGERS	1 655	621	1 439	505	178	107	-	1	9	-	23	8	252	142
MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING CLERKS	43 321	19 863	39 075	17 257	3 688	2 390	122	59	148	61	646	217	10 384	4 755
DISPATCHERS	1 951	1 090	1 851	984	99	106	1	-	-	-	19	9	480	233
PRODUCTION COORDINATORS	7 003	3 725	6 274	3 240	673	426	14	11	22	29	80	45	1 549	859
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	13 363	4 158	12 210	3 785	994	328	39	17	49	6	156	28	3 387	1 132
STOCK AND INVENTORY CLERKS	16 229	6 828	14 440	5 716	1 513	1 050	66	8	54	20	317	91	3 807	1 580
METER READERS	981	241	811	181	158	52	-	8	6	-	12	-	297	54
WEIGHERS, MEASURERS, AND CHECKERS	1 955	906	1 776	775	155	100	2	10	-	-	30	32	400	285
SAMPLERS	19	25	19	25	-	-	-	-	-	-	-	-	13	8
EXPEDITERS	1 566	1 633	1 480	1 527	71	106	-	-	9	-	25	12	389	364
MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING CLERKS, N.E.C.	254	1 257	214	1 024	25	222	-	5	8	6	7	-	62	240
ADJUSTERS AND INVESTIGATORS	6 833	11 100	6 105	9 107	668	1 873	15	41	14	34	73	119	1 212	1 645
INSURANCE ADJUSTERS, EXAMINERS, AND INVESTIGATORS	2 316	3 683	2 167	2 965	127	682	-	18	7	18	18	34	505	318
INVESTIGATORS AND ADJUSTERS, EXCEPT INSURANCE	3 213	4 807	2 795	4 053	396	722	7	4	5	7	39	44	510	851
ELIGIBILITY CLERKS, SOCIAL WELFARE	47	209	40	126	7	65	-	9	-	9	-	-	13	39
BILL AND ACCOUNT COLLECTORS	1 257	2 401	1 103	1 963	138	404	8	10	2	-	16	41	184	437
MISCELLANEOUS ADMINISTRATIVE SUPPORT OCCUPATIONS	18 195	102 547	15 789	86 599	2 059	14 386	57	364	158	525	229	1 436	3 231	23 315
GENERAL OFFICE CLERKS	8 789	45 894	7 476	38 797	1 139	6 392	23	133	70	222	108	720	1 498	9 084
BANK TELLERS	1 068	20 027	937	18 098	121	1 722	7	25	3	47	6	238	153	6 082
PROOFREADERS	102	670	102	636	-	26	-	-	-	-	-	5	6	155
DATA-ENTRY KEYERS	659	12 416	551	9 972	106	2 175	-	51	-	179	-	135	106	2 403
STATISTICAL CLERKS	1 244	3 601	1 068	3 082	146	448	6	36	18	29	12	43	201	683
TEACHERS' AIDES	862	9 515	652	7 287	174	2 064	-	47	24	40	23	173	213	2 960
ADMINISTRATIVE SUPPORT OCCUPATIONS, N.E.C.	5 471	10 424	5 003	8 727	373	1 559	21	72	43	8	80	122	1 054	1 948
SERVICE OCCUPATIONS	203 251	319 605	170 944	268 559	28 104	45 171	1 004	1 616	1 639	2 171	3 688	5 005	47 605	87 319
PRIVATE HOUSEHOLD OCCUPATIONS	691	16 587	533	12 576	148	3 736	5	119	5	58	-	239	158	4 730
OCCUPATION:														
LAUNDERERS AND IRONERS	21	64	21	43	-	21	-	-	-	-	-	-	10	5
COOKS, PRIVATE HOUSEHOLD	11	157	7	119	4	38	-	-	-	-	-	2	-	46
HOUSEKEEPERS AND BUTLERS	50	1 381	17	941	33	409	-	21	-	-	-	31	-	254
CHILD CARE WORKERS, PRIVATE HOUSEHOLD	189	7 568	179	6 925	8	574	2	18	-	15	-	121	51	2 625
PRIVATE HOUSEHOLD CLEANERS AND SERVANTS	420	7 417	309	4 548	103	2 694	3	80	5	43	-	85	97	1 800
LIVING ARRANGEMENT:														
LIVING IN	27	632	19	533	8	85	-	9	-	5	-	-	6	118
LIVING OUT	664	15 955	514	12 043	140	3 651	5	110	5	53	-	239	152	4 612

(1) PERSONS OF SPANISH ORIGIN MAY BE OF ANY RACE.

TABLE 219. (A) DETAILED OCCUPATION OF EMPLOYED PERSONS BY SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

[DATA ARE ESTIMATES BASED ON A SAMPLE; SEE INTRODUCTION. FOR MEANING OF SYMBOLS, SEE INTRODUCTION. FOR DEFINITIONS OF TERMS, SEE APPENDIXES A AND B]

MICHIGAN

	THE STATE													
	TOTAL												RURAL	
	TOTAL		WHITE		BLACK		AMER. INDIAN, ESKIMO / ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)			
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
PROTECTIVE SERVICE OCCUPATIONS	48 454	7 081	41 321	5 445	6 509	1 524	327	85	76	20	633	82	10 812	1 150
SUPERVISORS, PROTECTIVE SERVICE OCCUPATIONS	3 472	135	3 100	116	331	19	29	-	-	-	22	-	786	18
SUPERVISORS, FIREFIGHTING AND FIRE PREVENTION OCCUPATIONS	429	-	415	-	14	-	-	-	-	-	5	-	59	-
SUPERVISORS, POLICE AND DETECTIVES	2 183	78	1 952	65	217	13	10	-	-	-	9	-	519	11
SUPERVISORS, GUARDS	860	57	733	51	100	6	19	-	-	-	8	-	208	7
FIREFIGHTING AND FIRE PREVENTION OCCUPATIONS	6 526	72	5 881	52	574	20	44	-	-	-	70	-	1 154	20
FIRE INSPECTION AND FIRE PREVENTION OCCUPATIONS	688	29	596	29	84	-	5	-	-	-	6	-	182	10
FIREFIGHTING OCCUPATIONS	5 838	43	5 285	23	490	20	39	-	-	-	64	-	972	10
POLICE AND DETECTIVES	18 968	1 845	16 592	1 143	2 152	653	102	42	43	7	245	20	5 040	265
POLICE AND DETECTIVES, PUBLIC SERVICE	14 969	1 207	13 031	690	1 773	491	74	19	34	7	210	18	3 265	110
SHERIFFS, BAILIFFS, AND OTHER ENFORCEMENT OFFICERS	1 763	233	1 602	161	158	70	-	2	1	-	11	2	746	55
CORRECTIONAL INSTITUTION OFFICERS	2 236	405	1 959	292	221	92	28	21	8	-	24	-	1 029	100
GUARDS	19 488	5 029	15 748	4 134	3 452	832	152	43	33	13	296	62	3 832	847
CROSSING GUARDS	509	1 202	435	1 072	74	119	-	11	-	-	-	7	61	149
GUARDS AND POLICE, EXCEPT PUBLIC SERVICE	18 208	3 360	14 629	2 601	3 314	713	133	26	29	13	290	50	3 571	625
PROTECTIVE SERVICE OCCUPATIONS, N.E.C.	771	467	684	461	64	-	19	6	4	-	6	5	200	73
SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD	154 106	295 937	129 090	250 538	21 447	39 911	672	1 412	1 558	2 093	3 055	4 684	36 635	81 439
FOOD PREPARATION AND SERVICE OCCUPATIONS	56 150	135 058	49 347	123 214	5 090	9 390	230	621	1 015	1 110	1 090	1 871	11 537	37 476
SUPERVISORS, FOOD PREPARATION AND SERVICE OCCUPATIONS	3 433	6 923	3 015	6 158	297	620	18	28	88	65	98	118	537	1 497
BARTENDERS	5 506	6 547	5 230	6 359	230	111	11	44	22	14	76	78	1 594	2 280
WAITERS AND WAITRESSES	3 674	62 296	3 217	59 137	342	2 063	6	276	63	564	76	783	563	16 373
COOKS, EXCEPT SHORT ORDER	21 528	27 304	18 632	23 875	2 007	2 970	100	122	636	163	335	312	4 424	10 157
SHORT-ORDER COOKS	1 872	1 175	1 575	1 008	270	144	2	19	19	-	28	10	493	293
FOOD COUNTER, FOUNTAIN AND RELATED OCCUPATIONS	1 053	5 960	866	5 493	175	401	-	15	5	31	12	91	194	1 268
KITCHEN WORKERS, FOOD PREPARATION	419	3 084	329	2 612	81	445	-	17	9	5	-	57	105	742
WAITERS' AND WAITRESSES' ASSISTANTS	7 053	5 594	6 441	4 895	489	598	23	-	32	57	151	85	1 263	1 060
MISCELLANEOUS FOOD PREPARATION OCCUPATIONS	11 612	16 175	10 042	13 677	1 199	2 038	70	100	141	211	314	337	2 364	3 806
HEALTH SERVICE OCCUPATIONS	8 347	70 004	6 047	54 313	2 055	14 327	24	331	144	583	179	987	2 005	19 344
DENTAL ASSISTANTS	111	6 603	75	6 323	36	236	-	2	-	11	-	92	7	1 727
HEALTH AIDES, EXCEPT NURSING	1 608	15 354	1 187	12 336	355	2 732	3	54	41	113	35	201	260	3 191
NURSING AIDES, ORDERLIES, AND ATTENDANTS	6 628	48 047	4 785	35 654	1 664	11 359	21	275	103	459	144	694	1 738	14 426
CLEANING AND BUILDING SERVICE OCCUPATIONS, EXCEPT HOUSEHOLD	77 560	40 495	63 552	30 195	12 630	9 435	387	224	308	174	1 581	993	20 540	10 458
SUPERVISORS, CLEANING AND BUILDING SERVICE WORKERS	3 133	1 334	2 690	981	402	351	7	2	20	-	50	7	907	297
MAIDS AND HOUSEMEN	5 009	16 279	3 707	11 772	1 219	4 166	23	67	32	66	138	413	1 009	4 127
JANITORS AND CLEANERS	68 706	22 665	56 600	17 329	10 852	4 814	357	155	256	108	1 393	567	18 461	6 013
ELEVATOR OPERATORS	249	194	171	95	78	99	-	-	-	-	-	6	51	17
PEST CONTROL OCCUPATIONS	463	23	384	18	79	5	-	-	-	-	-	-	112	4
PERSONAL SERVICE OCCUPATIONS	12 049	50 380	10 144	42 816	1 672	6 759	31	236	91	226	205	833	2 553	14 161
SUPERVISORS, PERSONAL SERVICE OCCUPATIONS	561	397	547	370	-	14	-	13	7	-	7	-	152	89
BARBERS	3 307	537	3 032	479	252	56	-	-	5	-	46	2	980	128
HAIRDRESSERS AND COSMETOLOGISTS	1 854	17 894	1 629	16 529	200	1 166	-	63	-	83	52	182	327	5 953
ATTENDANTS, AMUSEMENT AND RECREATION FACILITIES	1 511	769	1 310	685	184	76	17	1	-	7	2	6	254	190
GUIDES	307	389	251	308	46	81	1	-	9	-	-	11	60	46
USHERS	617	281	592	247	20	27	-	-	5	7	-	-	75	59
PUBLIC TRANSPORTATION ATTENDANTS	189	673	132	515	57	158	-	-	-	-	-	-	52	98
BAGGAGE PORTERS AND BELLHOPS	282	25	180	25	88	-	-	-	5	-	9	-	51	3
WELFARE SERVICE AIDES	181	864	115	656	43	169	5	17	7	9	16	19	32	273
CHILD CARE WORKERS, EXCEPT PRIVATE HOUSEHOLD	1 705	24 192	1 269	19 656	384	4 132	8	110	23	69	32	528	375	6 518
PERSONAL SERVICE OCCUPATIONS, N.E.C.	1 535	4 359	1 087	3 346	398	880	-	32	30	51	41	85	195	804
FARMING, FORESTRY, AND FISHING OCCUPATIONS	51 943	10 622	50 025	10 220	1 106	200	312	21	62	45	809	278	42 448	7 636
FARM OPERATORS AND MANAGERS	26 480	3 024	26 299	3 001	131	17	30	-	3	4	67	8	25 003	2 764
FARMERS, EXCEPT HORTICULTURAL	23 669	2 662	23 539	2 639	88	17	30	-	3	4	31	8	22 871	2 518
AGRICULTURAL PRODUCTION, CROPS	14 045	1 316	13 950	1 295	64	17	23	-	3	4	29	4	13 536	1 221
HORTICULTURAL SPECIALTY FARMERS	269	56	264	56	5	-	-	-	-	-	-	-	161	49
MANAGERS, FARMS, EXCEPT HORTICULTURAL	2 192	285	2 168	285	16	-	-	-	-	-	36	-	1 880	183
MANAGERS, HORTICULTURAL SPECIALTY FARMS	350	21	328	21	22	-	-	-	-	-	-	-	91	14
FARM OCCUPATIONS, EXCEPT MANAGERIAL	12 831	4 708	12 171	4 514	202	48	83	6	40	22	558	236	11 044	3 628
SUPERVISORS, FARM WORKERS	383	140	363	128	8	12	-	-	-	-	12	-	243	83
FARM WORKERS	11 954	4 193	11 387	4 043	164	30	83	6	20	20	472	202	10 556	3 326
AGRICULTURAL PRODUCTION, CROPS	6 509	2 551	6 024	2 424	127	16	62	4	13	16	437	179	5 561	1 861
MARINE LIFE CULTIVATION WORKERS	9	10	9	10	-	-	-	-	-	-	-	-	9	2
NURSERY WORKERS	485	365	412	333	30	6	-	-	20	2	74	34	236	217
RELATED AGRICULTURAL OCCUPATIONS	9 388	2 707	8 467	2 529	730	130	91	13	19	19	166	34	3 806	1 115
SUPERVISORS, RELATED AGRICULTURAL OCCUPATIONS	613	20	606	13	5	7	-	-	-	-	2	-	276	3
GROUNDSKEEPERS AND GARDENERS, EXCEPT FARM	7 937	916	7 080	773	684	106	85	13	15	12	143	15	3 102	322
ANIMAL CARETAKERS, EXCEPT FARM	769	1 527	714	1 503	41	17	6	-	4	7	19	6	369	606
GRADERS AND SORTERS, AGRICULTURAL PRODUCTS	55	241	53	237	-	-	-	-	-	-	2	13	55	181
INSPECTORS, AGRICULTURAL PRODUCTS	14	3	14	3	-	-	-	-	-	-	-	-	4	3
FORESTRY AND LOGGING OCCUPATIONS	2 823	158	2 740	151	43	5	35	2	-	-	18	-	2 336	116
SUPERVISORS, FORESTRY AND LOGGING WORKERS	101	-	96	-	5	-	-	-	-	-	-	-	85	-
FORESTRY WORKERS, EXCEPT LOGGING	525	82	496	75	20	5	9	2	-	-	14	-	375	62
TIMBER CUTTING AND LOGGING OCCUPATIONS	2 197	76	2 148	76	18	-	26	-	-	-	4	-	1 876	54
FISHERS, HUNTERS, AND TRAPPERS	421	25	348	25	-	-	73	-	-	-	-	-	259	13
CAPTAINS AND OTHER OFFICERS, FISHING VESSELS	47	-	47	-	-	-	-	-	-	-	-	-	27	-
FISHERS	351	7	278	7	-	-	73	-	-	-	-	-	230	1
HUNTERS AND TRAPPERS	23	18	23	18	-	-	-	-	-	-	-	-	2	12

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MICHIGAN

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	TOTAL		WHITE		BLACK		AMER. INDIAN, ESKIMO / ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)			
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS	465 341	28 461	433 848	24 605	26 381	3 406	1 998	143	1 093	151	5 390	346	162 852	7 947
MECHANICS AND REPAIRERS	154 381	4 244	142 502	3 472	10 027	671	672	34	411	21	2 115	90	54 393	1 069
SUPERVISORS, MECHANICS AND REPAIRERS	4 900	174	4 682	147	181	27	6	-	6	-	59	9	1 546	17
MECHANICS AND REPAIRERS, EXCEPT SUPERVISORS	149 481	4 070	137 820	3 325	9 846	644	666	34	405	21	2 056	81	52 847	1 052
VEHICLE AND MOBILE EQUIPMENT MECHANICS AND REPAIRERS	60 882	813	56 028	663	4 105	142	232	8	204	-	714	-	22 352	212
AUTOMOBILE MECHANICS	36 500	556	32 967	434	3 051	122	153	-	141	-	412	-	12 357	133
BUS, TRUCK, AND STATIONARY ENGINE MECHANICS	6 841	35	6 363	27	404	-	24	8	12	-	96	-	2 785	3
AIRCRAFT MECHANICS	1 532	23	1 474	23	42	-	3	-	13	-	6	-	448	10
SMALL ENGINE REPAIRERS	1 397	23	1 375	16	20	7	-	-	-	-	-	-	550	9
AUTOMOBILE BODY AND RELATED REPAIRERS	8 383	131	7 851	118	444	13	29	-	33	-	71	-	3 164	44
HEAVY EQUIPMENT MECHANICS	5 085	34	4 887	34	129	-	15	-	-	-	124	-	2 237	8
FARM EQUIPMENT MECHANICS	1 144	11	1 111	11	15	-	8	-	5	-	5	-	811	5
INDUSTRIAL MACHINERY REPAIRERS	25 795	535	23 882	457	1 624	70	113	4	32	-	348	4	9 976	137
MACHINERY MAINTENANCE OCCUPATIONS	2 310	59	1 876	52	368	7	10	-	21	-	58	-	793	19
ELECTRICAL AND ELECTRONIC EQUIPMENT REPAIRERS	19 325	1 507	18 091	1 216	1 088	238	69	10	36	12	237	62	6 031	348
ELECTRONIC REPAIRERS, COMMUNICATIONS AND INDUSTRIAL EQUIPMENT	4 625	171	4 285	152	276	10	51	2	13	7	50	-	1 282	15
DATA PROCESSING EQUIPMENT REPAIRERS	1 640	83	1 568	55	59	15	5	-	-	-	19	27	340	12
HOUSEHOLD APPLIANCE AND POWER TOOL REPAIRERS	2 584	8	2 499	8	82	-	-	-	3	-	35	-	894	8
TELEPHONE LINE INSTALLERS AND REPAIRERS	2 049	90	1 906	76	135	14	-	-	6	-	14	-	838	47
TELEPHONE INSTALLERS AND REPAIRERS	7 375	1 085	6 872	888	465	177	8	2	14	5	94	28	2 493	247
MISCELLANEOUS ELECTRICAL AND ELECTRONIC EQUIPMENT REPAIRERS	1 052	70	961	37	71	22	5	6	-	-	25	7	184	19
HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS	5 016	49	4 741	49	235	-	37	-	-	-	44	-	1 723	23
MISCELLANEOUS MECHANICS AND REPAIRERS	36 153	1 107	33 202	888	2 426	187	205	12	112	9	655	15	11 972	313
CAMERA, WATCH, AND MUSICAL INSTRUMENT REPAIRERS	1 139	150	1 077	103	36	38	7	-	17	9	17	-	305	42
LOCKSMITHS AND SAFE REPAIRERS	512	21	485	21	22	-	5	-	-	-	-	-	125	4
OFFICE MACHINE REPAIRERS	1 343	98	1 259	79	79	19	5	-	-	-	7	4	331	17
MECHANICAL CONTROLS AND VALVE REPAIRERS	1 341	10	1 175	8	149	2	8	-	-	-	20	-	347	6
ELEVATOR INSTALLERS AND REPAIRERS	642	-	628	-	14	-	-	-	-	-	12	-	176	-
MILLWRIGHTS	13 531	164	12 312	121	1 002	43	78	-	28	-	278	-	4 771	35
SPECIFIED MECHANICS AND REPAIRERS, N.E.C.	11 920	434	11 067	387	744	36	21	8	46	-	217	3	3 698	133
NOT SPECIFIED MECHANICS AND REPAIRERS	5 725	230	5 199	169	380	49	81	4	21	-	104	8	2 219	76
CONSTRUCTION TRADES	129 746	2 623	121 870	2 265	6 501	323	717	12	123	13	1 368	21	49 961	746
SUPERVISORS; CONSTRUCTION OCCUPATIONS	21 276	327	20 409	266	713	54	82	7	15	-	183	-	8 751	84
SUPERVISORS; BRICKMASONS, STONEMASONS, AND TILE SETTERS	137	-	127	-	8	-	2	-	-	-	-	-	62	-
SUPERVISORS; CARPENTERS AND RELATED WORKERS	823	-	808	-	15	-	-	-	-	-	12	-	337	-
SUPERVISORS; ELECTRICIANS AND POWER TRANSMISSION INSTALLERS	1 343	6	1 315	6	28	-	-	-	-	-	17	-	450	-
SUPERVISORS; PAINTERS, PAPERHANGERS, AND PLASTERERS	239	11	210	7	25	4	2	-	-	-	2	-	58	2
SUPERVISORS; PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	454	16	454	16	-	-	-	-	-	-	-	-	168	16
SUPERVISORS; N.E.C.	18 280	294	17 495	237	637	50	78	7	15	-	152	-	7 676	66
CONSTRUCTION TRADES, EXCEPT SUPERVISORS	108 470	2 296	101 461	1 999	5 788	269	635	5	108	13	1 185	21	41 210	662
BRICKMASONS AND STONEMASONS	5 601	78	5 075	71	469	7	24	-	-	-	63	-	2 205	10
TILE SETTERS, HARD AND SOFT	689	6	640	6	36	-	7	-	-	-	21	-	195	-
CARPET INSTALLERS	2 738	68	2 653	60	57	8	17	-	-	-	38	-	903	18
CARPENTERS	27 507	385	26 507	317	767	66	149	2	15	-	247	-	12 626	135
DRYWALL INSTALLERS	2 081	33	2 040	24	34	9	5	-	-	-	19	-	884	13
ELECTRICIANS	24 293	449	22 479	375	1 542	60	83	-	54	6	340	8	8 608	136
ELECTRICAL POWER INSTALLERS AND REPAIRERS	3 061	25	2 940	16	94	9	27	-	-	-	4	-	1 446	16
PAINTERS, CONSTRUCTION AND MAINTENANCE	9 111	695	8 092	620	848	66	79	-	7	7	164	11	2 408	182
PAPERHANGERS	330	82	306	82	11	-	8	-	-	-	5	-	56	24
PLASTERERS	592	14	537	14	55	-	-	-	-	-	-	-	204	10
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	19 253	144	17 974	137	1 133	7	75	-	4	-	131	-	6 901	15
CONCRETE AND TERRAZZO FINISHERS	1 109	-	864	-	225	-	10	-	-	-	16	-	369	-
GLAZIERS	1 039	118	1 014	93	18	25	7	-	-	-	18	-	256	32
INSULATION WORKERS	1 509	50	1 438	42	42	5	17	3	-	-	17	2	563	37
PAVING, SURFACING, AND TAMPING EQUIPMENT OPERATORS	95	-	68	-	27	-	-	-	-	-	-	-	47	-
ROOFERS	2 631	12	2 474	12	97	-	26	-	16	-	28	-	871	-
SHEETMETAL DUCT INSTALLERS	850	-	850	-	-	-	-	-	-	-	2	-	287	-
STRUCTURAL METAL WORKERS	2 311	58	2 208	58	62	-	39	-	-	-	17	-	852	8
DRILLERS, EARTH	849	4	804	4	32	-	5	-	-	-	10	-	565	4
CONSTRUCTION TRADES, N.E.C.	2 821	75	2 498	68	239	7	57	-	12	-	45	-	964	22
EXTRACTIVE OCCUPATIONS	2 823	77	2 767	64	30	13	20	-	4	-	2	-	2 013	26
SUPERVISORS, EXTRACTIVE OCCUPATIONS	995	18	969	12	6	6	14	-	4	-	2	-	721	6
DRILLERS, OIL WELL	568	2	568	2	-	-	-	-	-	-	-	-	468	2
EXPLOSIVES WORKERS	262	2	232	2	24	-	6	-	-	-	-	-	118	2
MINING MACHINE OPERATORS	619	27	619	27	-	-	-	-	-	-	-	-	447	2
MINING OCCUPATIONS, N.E.C.	379	28	379	21	-	7	-	-	-	-	-	-	259	14

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	TOTAL		WHITE		BLACK		AMER. INDIAN, ESKIMO / ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)			
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
PRECISION PRODUCTION OCCUPATIONS	178 391	21 517	166 709	18 804	9 823	2 399	589	97	555	117	1 905	235	56 485	6 106
SUPERVISORS, PRODUCTION OCCUPATIONS	78 224	7 601	72 578	6 541	5 069	967	190	39	159	15	822	72	25 038	2 140
NONDURABLE GOODS MANUFACTURING	11 357	1 587	10 860	1 423	433	119	16	12	7	3	146	41	4 375	583
DURABLE GOODS MANUFACTURING	52 645	2 952	48 416	2 418	3 839	501	127	27	112	6	536	16	16 576	864
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	4 893	313	4 544	237	317	76	26	-	6	-	22	-	1 335	74
WHOLESALE AND RETAIL TRADE	6 616	1 819	6 262	1 683	300	132	7	-	15	-	87	4	1 811	412
ALL OTHER INDUSTRIES	2 713	930	2 496	780	180	139	14	-	19	6	31	11	941	207
PRECISION METALWORKING OCCUPATIONS	64 845	1 908	61 987	1 654	2 152	242	291	6	158	4	627	9	21 182	593
TOOL AND DIE MAKERS	33 237	457	31 752	385	1 183	66	134	6	55	-	288	-	10 505	111
PRECISION ASSEMBLERS, METAL	1 177	128	1 123	101	39	27	-	-	9	-	6	-	369	45
MACHINISTS	17 589	757	16 751	639	578	114	78	-	74	4	220	-	6 661	259
BOILERMAKERS	939	10	903	10	32	-	4	-	-	-	7	-	368	10
PRECISION GRINDERS, FILERS, AND TOOL SHARPENERS	1 436	41	1 395	39	22	-	19	-	-	-	14	2	521	34
PATTERNMAKERS AND MODEL MAKERS, METAL	3 693	66	3 580	62	86	4	15	-	-	-	29	-	701	15
LAY-OUT WORKERS	515	22	488	15	13	7	6	-	6	-	4	-	94	4
PRECIOUS STONES AND METALS WORKERS (JEWELERS)	663	200	640	181	8	19	-	-	7	-	29	7	129	32
ENGRAVERS, METAL	199	158	199	158	-	-	-	-	-	-	-	-	43	42
SHEET METAL WORKERS	5 178	61	4 963	56	165	5	35	-	7	-	30	-	1 753	37
MISCELLANEOUS PRECISION METAL WORKERS	219	8	193	8	26	-	-	-	-	-	-	-	38	4
PRECISION WOODWORKING OCCUPATIONS	3 855	417	3 751	375	63	42	13	-	15	-	19	7	1 118	133
PATTERNMAKERS AND MODEL MAKERS, WOOD	1 508	15	1 508	15	-	-	-	-	-	-	6	-	301	2
CABINET MAKERS AND BENCH CARPENTERS	1 531	116	1 501	116	11	-	6	-	7	-	6	-	551	34
FURNITURE AND WOOD FINISHERS	590	257	541	215	27	42	7	-	8	-	7	7	165	90
MISCELLANEOUS PRECISION WOODWORKERS	226	29	201	29	25	-	-	-	-	-	-	-	101	7
PRECISION TEXTILE, APPAREL, AND FURNISHINGS MACHINE WORKERS	2 548	4 089	2 221	3 470	285	529	-	13	36	53	34	62	601	918
DRESSMAKERS	110	2 703	91	2 373	19	271	-	13	-	41	-	31	12	537
TAILORS	547	577	446	402	73	154	-	-	28	12	9	17	61	67
UPHOLSTERERS	1 304	449	1 162	391	132	48	-	-	4	-	23	10	405	187
SHOE REPAIRERS	542	135	477	120	61	15	-	-	4	-	2	4	122	84
APPAREL AND FABRIC PATTERNMAKERS	7	-	7	-	-	-	-	-	-	-	-	-	-	-
MISCELLANEOUS PRECISION APPAREL AND FABRIC WORKERS	38	225	38	184	-	41	-	-	-	-	-	-	1	43
PRECISION WORKERS, ASSORTED MATERIALS	6 244	3 295	5 698	2 967	425	265	34	20	69	23	71	47	1 652	670
HAND MOLDERS AND SHAPERS, EXCEPT JEWELERS	1 472	192	1 210	170	242	22	12	-	-	-	31	-	504	73
PATTERNMAKERS, LAY-OUT WORKERS, AND CUTTERS	361	72	354	72	-	-	-	-	7	-	-	-	130	29
OPTICAL GOODS WORKERS	827	807	796	762	-	45	8	-	23	-	4	2	151	118
DENTAL LABORATORY AND MEDICAL APPLIANCE TECHNICIANS	1 127	652	1 099	590	23	49	-	6	5	-	11	10	243	93
BOOKBINDERS	252	493	220	421	11	64	-	5	21	-	7	19	34	100
ELECTRICAL AND ELECTRONIC EQUIPMENT ASSEMBLERS	397	718	332	620	58	56	-	9	7	23	-	10	76	169
MISCELLANEOUS PRECISION WORKERS, N.E.C.	1 808	361	1 687	332	91	29	14	-	6	-	18	6	514	88
PRECISION FOOD PRODUCTION OCCUPATIONS	10 529	3 168	9 338	2 886	952	237	23	13	47	17	257	36	3 272	1 245
BUTCHERS AND MEAT CUTTERS	7 852	699	7 066	610	612	79	19	6	32	-	186	10	2 627	256
BAKERS	2 277	2 251	1 906	2 071	318	147	4	7	15	15	53	26	466	902
FOOD BATCHMAKERS	400	218	366	205	22	11	-	-	-	2	18	-	179	87
PRECISION INSPECTORS, TESTERS, AND RELATED WORKERS	4 095	746	3 883	665	178	75	8	6	17	-	28	2	1 116	343
INSPECTORS, TESTERS, AND GRADERS	4 052	692	3 840	616	178	70	8	6	17	-	28	2	1 102	310
ADJUSTERS AND CALIBRATORS	43	54	43	49	-	5	-	-	-	-	-	-	14	33
PLANT AND SYSTEM OPERATORS	8 051	293	7 253	246	699	42	30	-	54	5	47	-	2 506	64
WATER AND SEWAGE TREATMENT PLANT OPERATORS	1 253	32	1 042	19	203	13	-	-	6	-	9	-	291	2
POWER PLANT OPERATORS	1 251	51	1 186	37	60	9	-	-	5	5	19	-	537	17
STATIONARY ENGINEERS	4 536	134	4 122	130	340	4	21	-	40	-	19	-	1 302	37
MISCELLANEOUS PLANT AND SYSTEM OPERATORS	1 011	76	903	60	96	16	9	-	3	-	-	-	376	8
OPERATORS, FABRICATORS, AND LABORERS	596 846	177 290	509 558	146 392	76 635	27 600	3 147	932	1 779	944	12 258	3 733	189 237	61 418
MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS	335 817	129 816	281 126	104 640	48 274	22 492	1 551	718	1 104	808	7 923	2 923	103 013	43 537
MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION	195 784	70 205	169 163	57 747	23 161	10 995	860	386	653	412	4 075	1 675	62 669	23 124
METALWORKING AND PLASTIC WORKING MACHINE OPERATORS	69 859	13 413	60 678	11 038	8 112	2 189	338	64	220	33	1 200	328	22 211	4 516
LATHE AND TURNING MACHINE SET-UP OPERATORS	6 350	204	5 727	172	530	32	50	-	5	-	82	5	2 497	72
LATHE AND TURNING MACHINE OPERATORS	9 875	677	9 524	573	260	94	39	-	28	5	128	5	3 536	272
MILLING AND PLANING MACHINE OPERATORS	1 252	141	1 189	131	63	10	-	-	-	-	-	1	365	73
PUNCHING AND STAMPING PRESS MACHINE OPERATORS	15 814	7 765	12 613	6 325	2 879	1 332	77	27	88	11	342	217	5 263	2 523
ROLLING MACHINE OPERATORS	782	152	712	139	70	13	-	-	-	-	-	9	107	67
DRILLING AND BORING MACHINE OPERATORS	4 937	689	4 612	625	239	64	29	-	31	-	46	21	1 378	239
GRINDING, ABRADING, BUFFING, AND POLISHING MACHINE OPERATORS	23 009	3 406	19 851	2 764	2 775	574	106	37	68	17	476	65	7 067	1 153
FORGING MACHINE OPERATORS	1 271	60	1 130	42	121	18	6	-	-	-	21	-	435	18
NUMERICAL CONTROL MACHINE OPERATORS	168	13	158	13	-	-	-	-	-	-	10	-	54	-
MISCELLANEOUS METAL, PLASTIC, STONE, AND GLASS WORKING MACHINE OPERATORS	6 401	306	5 162	254	1 175	52	31	-	-	-	95	5	1 509	99

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TABLE 219. (A) DETAILED OCCUPATION OF EMPLOYED PERSONS BY SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

[DATA ARE ESTIMATES BASED ON A SAMPLE; SEE INTRODUCTION. FOR MEANING OF SYMBOLS, SEE INTRODUCTION. FOR DEFINITIONS OF TERMS, SEE APPENDIXES A AND B]

MICHIGAN

	THE STATE													
	TOTAL												RURAL	
	TOTAL		WHITE		BLACK		AMER. INDIAN, ESKIMO / ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)			
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
FABRICATING MACHINE OPERATORS, N.E.C.	1 026	551	904	498	110	50	-	3	6	-	12	-	358	278
METAL AND PLASTIC PROCESSING MACHINE OPERATORS	10 346	4 099	8 788	3 639	1 285	387	53	10	25	32	381	60	3 646	1 763
MOLDING AND CASTING MACHINE OPERATORS	6 129	3 579	5 190	3 150	771	365	45	10	8	32	246	45	2 370	1 603
METAL PLATING MACHINE OPERATORS	1 652	362	1 449	339	146	18	-	-	11	-	58	11	569	108
HEAT TREATING EQUIPMENT OPERATORS	1 997	75	1 658	71	308	4	8	-	6	-	58	-	518	22
MISCELLANEOUS METAL AND PLASTIC PROCESSING MACHINE OPERATORS	568	83	491	79	60	-	-	-	-	-	19	4	189	30
WOODWORKING MACHINE OPERATORS	3 751	644	3 553	574	132	54	13	3	36	-	31	18	2 109	323
WOOD LATHE, ROUTING, AND PLANING MACHINE OPERATORS	189	8	182	8	7	-	-	-	-	-	-	-	92	2
SAWING MACHINE OPERATORS	2 578	405	2 445	371	73	23	13	3	36	-	23	8	1 524	173
SHAPING AND JOINING MACHINE OPERATORS	212	127	186	105	26	17	-	-	-	-	-	5	101	78
NAILING AND TACKING MACHINE OPERATORS	170	36	161	36	9	-	-	-	-	-	2	-	124	25
MISCELLANEOUS WOODWORKING MACHINE OPERATORS	602	68	579	54	17	14	-	-	-	-	6	5	268	45
PRINTING MACHINE OPERATORS	10 139	3 861	9 565	3 537	474	287	25	18	21	11	126	60	2 322	1 065
PRINTING MACHINE OPERATORS	7 965	1 372	7 470	1 170	414	183	24	11	15	4	106	26	1 924	318
PHOTOENGRAVERS AND LITHOGRAPHERS	601	187	580	172	21	11	-	-	-	4	-	-	117	71
TYPESETTERS AND COMPOSITORS	948	1 479	914	1 452	32	16	1	7	1	3	8	9	137	474
MISCELLANEOUS PRINTING MACHINE OPERATORS	625	823	601	743	7	77	-	-	5	-	12	25	144	202
TEXTILE, APPAREL, AND FURNISHINGS MACHINE OPERATORS	3 924	16 147	3 176	12 220	690	3 426	14	108	22	201	41	387	920	4 609
WINDING AND TWISTING MACHINE OPERATORS	136	32	129	32	7	-	-	-	-	-	-	-	41	14
KNITTING, LOOPING, TAPING, AND WEAVING MACHINE OPERATORS	35	143	35	143	-	-	-	-	-	-	-	-	20	34
TEXTILE CUTTING MACHINE OPERATORS	63	33	63	18	-	15	-	-	-	-	-	-	14	18
TEXTILE SEWING MACHINE OPERATORS	675	8 936	587	7 061	75	1 553	4	57	-	141	18	269	172	2 628
SHOE MACHINE OPERATORS	178	404	166	400	3	-	5	-	4	4	-	-	138	329
PRESSING MACHINE OPERATORS	265	1 642	130	1 023	127	585	5	13	-	5	3	16	31	293
LAUNDERING AND DRY CLEANING MACHINE OPERATORS	2 089	4 666	1 613	3 267	453	1 258	-	38	13	51	16	102	366	1 188
MISCELLANEOUS TEXTILE MACHINE OPERATORS	483	291	453	276	25	15	-	-	5	-	4	-	138	105
MACHINE OPERATORS, ASSORTED MATERIALS	96 739	31 490	82 499	26 241	12 358	4 602	417	180	323	135	2 284	822	31 103	10 570
CEMENTING AND GLUING MACHINE OPERATORS	615	605	547	507	48	98	6	-	-	-	34	2	221	229
PACKAGING AND FILLING MACHINE OPERATORS	1 734	1 605	1 508	1 360	206	228	3	5	-	7	26	28	524	585
EXTRUDING AND FORMING MACHINE OPERATORS	585	104	547	78	38	20	-	6	-	-	17	4	299	43
MIXING AND BLENDING MACHINE OPERATORS	2 821	262	2 439	181	324	54	10	20	9	-	103	14	827	37
SEPARATING, FILTERING, AND CLARIFYING MACHINE OPERATORS	2 145	116	1 993	100	114	16	14	-	2	-	54	-	913	40
COMPRESSING AND COMPACTING MACHINE OPERATORS	586	115	467	99	102	6	5	-	-	-	28	19	213	35
PAINTING AND PAINT SPRAYING MACHINE OPERATORS	7 971	1 817	6 824	1 559	1 021	194	36	8	6	4	148	82	2 516	698
ROASTING AND BAKING MACHINE OPERATORS, FOOD	172	39	124	39	37	-	2	-	-	-	9	-	47	11
WASHING, CLEANING, AND PICKLING MACHINE OPERATORS	353	94	278	74	61	10	9	-	-	-	11	15	113	33
FOLDING MACHINE OPERATORS	553	287	470	257	71	24	5	6	-	-	16	6	144	138
FURNACE, KILN, AND OVEN OPERATORS, EXCEPT FOOD	8 261	322	6 544	249	1 609	73	19	-	-	-	118	-	2 375	150
CRUSHING AND GRINDING MACHINE OPERATORS	1 965	103	1 580	72	349	31	8	-	-	-	62	-	770	14
SLICING AND CUTTING MACHINE OPERATORS	5 949	1 677	5 069	1 389	745	229	34	20	31	16	152	34	1 697	643
MOTION PICTURE PROJECTIONISTS	452	62	436	53	16	-	-	-	-	9	-	-	85	5
PHOTOGRAPHIC PROCESS MACHINE OPERATORS	1 407	1 707	1 327	1 566	47	132	-	3	22	6	14	36	203	363
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS	61 170	22 575	52 346	18 658	7 570	3 487	266	112	253	93	1 492	582	20 156	7 546
OCCUPATION:														
MISCELLANEOUS MACHINE OPERATORS, N.E.C.	17 744	5 874	15 601	4 868	1 900	885	48	20	45	13	284	177	6 161	1 747
MACHINE OPERATORS, NOT SPECIFIED	43 426	16 701	36 745	13 790	5 670	2 602	218	92	208	80	1 208	405	13 995	5 799
INDUSTRY:														
MANUFACTURING	56 523	20 454	48 282	17 055	7 077	3 020	230	78	238	87	1 404	535	18 777	7 129
NONDURABLE GOODS	12 155	7 123	10 933	6 127	1 024	824	43	27	38	36	257	252	5 091	2 585
FOOD AND KINDRED PRODUCTS	2 661	1 076	2 139	794	458	219	2	7	-	6	95	95	1 004	454
TOBACCO MANUFACTURES	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TEXTILE MILL PRODUCTS	132	104	125	99	7	5	-	-	-	-	7	-	13	28
APPAREL AND OTHER FINISHED TEXTILE PRODUCTS	140	396	100	359	27	35	-	-	6	-	8	25	43	165
PAPER AND ALLIED PRODUCTS	3 962	838	3 748	722	179	95	16	5	10	-	36	30	1 624	227
PRINTING, PUBLISHING, AND ALLIED INDUSTRIES	527	784	522	678	-	93	-	-	-	7	5	21	123	190
CHEMICALS AND ALLIED PRODUCTS	2 632	1 451	2 436	1 237	149	182	3	1	20	8	84	31	1 203	579
PETROLEUM AND COAL PRODUCTS	70	11	58	11	12	-	-	-	-	-	-	-	22	2
RUBBER AND MISCELLANEOUS PLASTICS PRODUCTS	1 874	2 353	1 688	2 128	157	184	17	14	2	15	22	50	978	864
LEATHER AND LEATHER PRODUCTS	157	110	117	99	35	11	5	-	-	-	-	-	81	76
DURABLE GOODS	43 812	13 048	36 889	10 656	5 966	2 190	187	51	193	51	1 142	278	13 502	4 442
LUMBER AND WOOD PRODUCTS, EXCEPT FURNITURE	646	185	631	179	4	6	7	-	-	-	19	7	436	103
FURNITURE AND FIXTURES	1 295	502	1 110	431	126	63	4	8	32	-	40	-	460	238
STONE, CLAY, GLASS, AND CONCRETE PRODUCTS	1 043	439	844	401	183	30	-	3	6	-	12	9	430	121
PRIMARY METAL INDUSTRIES	5 136	916	4 081	699	900	197	19	9	10	-	211	29	1 476	399
BLAST FURNACES, STEELWORKS, ROLLING AND FINISHING MILLS	1 889	248	1 583	163	258	85	17	-	10	-	66	7	306	42

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MICHIGAN

	THE STATE													
	TOTAL												RURAL	
	TOTAL		WHITE		BLACK		AMER. INDIAN, ESKIMO / ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)			
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS-CON.														
INDUSTRY-CON.														
FABRICATED METAL INDUSTRIES	4 529	1 881	4 115	1 702	326	130	24	14	30	20	111	59	1 506	691
MACHINERY, EXCEPT ELECTRICAL	9 920	1 755	9 260	1 527	508	200	56	2	45	6	144	31	3 159	680
ELECTRICAL MACHINERY, EQUIPMENT, AND SUPPLIES	1 126	1 131	1 038	981	67	146	8	4	-	-	36	8	421	472
TRANSPORTATION EQUIPMENT	18 905	5 112	14 725	3 720	3 745	1 307	69	11	58	25	539	122	5 151	1 371
MOTOR VEHICLES AND MOTOR VEHICLE EQUIPMENT	18 256	4 904	14 125	3 557	3 711	1 262	66	11	58	25	533	122	4 892	1 278
OTHER TRANSPORTATION EQUIPMENT	649	208	600	163	34	45	3	-	-	-	6	-	259	93
PROFESSIONAL AND PHOTOGRAPHIC EQUIPMENT, AND WATCHES	347	256	326	239	6	17	-	-	7	-	8	-	101	120
MISCELLANEOUS MANUFACTURING INDUSTRIES	865	871	759	777	101	94	-	-	5	-	22	13	362	247
NOT SPECIFIED MANUFACTURING INDUSTRIES	556	283	460	272	87	6	-	-	7	-	5	5	184	102
NONMANUFACTURING INDUSTRIES	4 647	2 121	4 064	1 603	493	467	36	34	15	6	88	47	1 379	417
CONSTRUCTION	630	53	602	53	28	-	-	-	-	-	5	-	190	12
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	999	210	846	87	134	106	-	10	7	-	18	7	365	15
WHOLESALE TRADE	1 088	296	929	275	129	19	9	2	6	-	23	9	358	67
RETAIL TRADE	540	423	489	371	44	51	-	1	-	-	15	7	128	130
BUSINESS AND REPAIR SERVICES	510	301	469	247	21	50	20	-	-	-	3	4	129	69
PUBLIC ADMINISTRATION	200	126	167	95	31	26	-	5	2	-	8	5	77	32
ALL OTHER INDUSTRIES	680	712	562	475	106	215	7	16	-	6	16	15	132	92
FABRICATORS, ASSEMBLERS, AND HAND WORKING OCCUPATIONS	107 242	43 709	84 421	33 990	20 451	8 824	540	222	341	311	3 209	896	31 434	14 903
WELDERS AND CUTTERS	34 186	2 855	28 572	2 058	4 960	741	219	25	97	26	896	16	11 745	845
SOLDERERS AND BRAZERS	247	387	230	313	13	69	-	5	-	-	4	6	113	165
ASSEMBLERS	70 559	39 706	53 610	30 952	15 249	7 920	321	192	244	285	2 276	874	18 889	13 609
HAND CUTTING AND TRIMMING OCCUPATIONS	397	90	316	72	79	18	-	-	-	-	2	-	82	30
HAND MOLDING, CASTING, AND FORMING OCCUPATIONS	395	112	368	112	27	-	-	-	-	-	6	-	81	50
HAND PAINTING, COATING AND DECORATING OCCUPATIONS	940	241	876	225	59	16	-	-	-	-	15	-	339	96
HAND ENGRAVING AND PRINTING OCCUPATIONS	40	3	40	3	-	-	-	-	-	-	-	-	15	-
HAND GRINDING AND POLISHING OCCUPATIONS	93	25	86	18	4	7	-	-	-	-	3	-	35	5
MISCELLANEOUS HAND WORKING OCCUPATIONS	385	290	323	237	60	53	-	-	-	-	7	-	135	103
PRODUCTION INSPECTORS, TESTERS, SAMPLERS, AND WEIGHERS	32 791	15 902	27 542	12 903	4 662	2 673	151	110	110	85	639	352	8 910	5 510
PRODUCTION INSPECTORS, CHECKERS, AND EXAMINERS	29 376	14 013	24 516	11 299	4 348	2 435	141	85	85	85	553	271	7 866	4 721
PRODUCTION TESTERS	2 159	557	1 922	460	219	80	7	17	11	-	24	-	568	216
PRODUCTION SAMPLERS AND WEIGHERS	282	54	229	48	31	6	-	-	-	-	22	-	102	-
GRADERS AND SORTERS, EXCEPT AGRICULTURAL	974	1 278	875	1 096	64	152	3	8	14	-	40	81	374	573
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	148 545	17 701	130 495	15 762	16 035	1 798	930	99	234	3	2 084	191	52 003	7 624
MOTOR VEHICLE OPERATORS	94 400	15 377	83 669	13 884	9 736	1 386	573	82	92	3	1 059	110	32 168	6 785
SUPERVISORS, MOTOR VEHICLE OPERATORS	1 011	83	897	68	93	15	7	-	14	-	10	-	169	18
TRUCK DRIVERS, HEAVY	57 042	1 290	51 564	1 089	4 899	174	356	27	17	-	619	15	22 971	415
TRUCK DRIVERS, LIGHT	17 864	1 227	16 526	1 122	1 149	88	102	12	33	-	221	-	4 623	325
DRIVER-SALES WORKERS	7 250	655	6 858	577	355	78	34	-	-	-	20	15	1 910	165
BUS DRIVERS	5 330	11 111	3 715	10 194	1 537	863	38	38	8	3	67	65	1 657	5 577
TAXICAB DRIVERS AND CHAUFFEURS	4 738	836	3 343	679	1 328	152	12	5	20	-	90	5	750	268
PARKING LOT ATTENDANTS	1 095	169	714	149	365	16	16	-	-	-	27	10	62	17
MOTOR TRANSPORTATION OCCUPATIONS, N.E.C.	70	6	52	6	10	-	8	-	-	-	5	-	26	-
RAIL TRANSPORTATION OCCUPATIONS	6 404	71	6 053	49	225	22	60	-	15	-	79	-	1 907	4
RAILROAD CONDUCTORS AND YARDMASTERS	1 899	21	1 819	21	34	-	16	-	5	-	30	-	476	-
LOCOMOTIVE OPERATING OCCUPATIONS	1 904	34	1 804	19	82	15	5	-	-	-	17	-	636	2
RAILROAD BRAKE, SIGNAL, AND SWITCH OPERATORS	2 382	9	2 226	9	109	-	24	-	10	-	30	-	767	2
RAIL VEHICLE OPERATORS, N.E.C.	219	7	204	-	-	7	15	-	-	-	2	-	28	-
WATER TRANSPORTATION OCCUPATIONS	942	29	920	29	13	-	9	-	-	-	-	-	410	11
SHIP CAPTAINS AND MATES, EXCEPT FISHING BOATS	274	4	269	4	-	-	5	-	-	-	-	-	102	4
SAILORS AND DECKHANDS	428	22	413	22	13	-	2	-	-	-	-	-	228	4
MARINE ENGINEERS	68	-	68	-	-	-	-	-	-	-	-	-	30	-
BRIDGE, LOCK, AND LIGHTHOUSE TENDERS	172	3	170	3	-	-	2	-	-	-	-	-	50	3
MATERIAL MOVING EQUIPMENT OPERATORS	46 799	2 224	39 853	1 800	6 061	390	288	17	127	-	946	81	17 518	824
SUPERVISORS, MATERIAL MOVING EQUIPMENT OPERATORS	1 462	69	1 339	53	92	16	9	-	-	-	27	6	429	9
OPERATING ENGINEERS	5 880	59	5 467	31	347	19	54	9	3	-	36	-	3 191	14
LONGSHORE EQUIPMENT OPERATORS	13	-	6	-	7	-	-	-	-	-	-	-	-	-
HOIST AND WINCH OPERATORS	656	23	571	23	55	-	21	-	-	-	17	-	334	12
CRANE AND TOWER OPERATORS	5 617	121	4 460	80	1 024	41	23	-	27	-	178	-	1 609	17
EXCAVATING AND LOADING MACHINE OPERATORS	1 623	25	1 580	25	30	-	8	-	-	-	9	-	992	25
GRADER, DOZER, AND SCRAPER OPERATORS	1 640	31	1 562	31	74	-	4	-	-	-	6	-	1 149	14
INDUSTRIAL TRUCK AND TRACTOR EQUIPMENT OPERATORS	23 068	945	19 132	777	3 482	161	130	6	82	-	466	31	7 697	344
MISCELLANEOUS MATERIAL MOVING EQUIPMENT OPERATORS	6 840	951	5 736	780	950	153	39	2	15	-	207	44	2 117	389

(1) PERSONS OF SPANISH ORIGIN MAY BE OF ANY RACE.

TABLE 219. (A) DETAILED OCCUPATION OF EMPLOYED PERSONS BY SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

[DATA ARE ESTIMATES BASED ON A SAMPLE; SEE INTRODUCTION. FOR MEANING OF SYMBOLS, SEE INTRODUCTION. FOR DEFINITIONS OF TERMS, SEE APPENDIXES A AND B]

MICHIGAN

	THE STATE													
	TOTAL												RURAL	
	TOTAL		WHITE		BLACK		AMER. INDIAN, ESKIMO / ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)			
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS.	112 484	29 773	97 937	25 990	12 326	3 310	666	115	441	133	2 251	619	34 221	10 257
SUPERVISORS; HANDLERS, EQUIPMENT CLEANERS, AND LABORERS, N.E.C.. . . .	76	9	68	9	8	-	-	-	-	-	-	-	10	9
HELPERS, MECHANICS AND REPAIRERS . . .	448	51	385	30	57	16	6	-	-	5	6	-	163	22
HELPERS, CONSTRUCTION AND EXTRACTIVE OCCUPATIONS.	2 209	54	1 921	51	219	-	3	3	16	-	57	-	888	20
HELPERS, CONSTRUCTION TRADES.	1 814	23	1 565	23	187	-	3	-	9	-	50	-	678	13
HELPERS, SURVEYOR	209	21	180	18	22	-	-	3	7	-	7	-	82	5
HELPERS, EXTRACTIVE OCCUPATIONS . . .	186	10	176	10	10	-	-	-	-	-	-	-	128	2
CONSTRUCTION LABORERS.	13 788	362	11 974	308	1 578	34	115	5	30	-	226	24	5 488	121
PRODUCTION HELPERS	2 215	886	1 881	776	276	99	-	-	37	8	44	3	516	220
FREIGHT, STOCK, AND MATERIAL HANDLERS.	41 356	8 411	37 079	7 564	3 580	746	209	33	134	25	678	111	11 577	2 664
GARBAGE COLLECTORS.	1 718	78	1 274	60	386	15	28	3	-	-	38	-	470	42
STEVEDORES.	42	-	37	-	5	-	-	-	-	-	-	-	7	-
STOCK HANDLERS AND BAGGERS.	26 403	6 460	24 068	6 065	1 960	352	83	23	102	2	376	67	7 289	2 010
MACHINE FEEDERS AND OFFBEARERS. . . .	1 430	1 002	1 265	838	115	136	10	-	-	16	73	14	389	373
FREIGHT, STOCK, AND MATERIAL HANDLERS, N.E.C.	11 763	871	10 435	601	1 114	243	88	7	32	7	191	30	3 422	239
GARAGE AND SERVICE STATION RELATED OCCUPATIONS	11 031	1 142	10 163	1 063	711	68	58	5	35	6	148	8	3 634	500
VEHICLE WASHERS AND EQUIPMENT CLEANERS.	5 967	670	4 985	548	854	112	17	8	61	2	104	5	1 404	200
HAND PACKERS AND PACKAGERS	5 992	12 058	5 058	10 697	796	1 136	63	34	14	49	206	347	1 602	4 320
LABORERS, EXCEPT CONSTRUCTION.	29 402	6 130	24 423	4 944	4 247	1 099	195	27	114	38	782	121	8 939	2 181
MANUFACTURING	15 541	3 615	12 324	2 842	2 791	716	98	11	51	33	529	76	4 841	1 398
NONDURABLE GOODS	3 248	1 356	2 790	1 163	339	185	28	-	11	-	141	32	1 303	554
FOOD AND KINDRED PRODUCTS	1 381	417	1 167	372	158	37	8	-	7	-	81	32	524	225
TEXTILE MILL AND FINISHED TEXTILE PRODUCTS	95	81	69	55	10	26	11	-	-	-	12	-	5	20
PAPER AND ALLIED PRODUCTS	619	209	575	162	31	47	9	-	-	-	6	-	259	51
CHEMICALS AND ALLIED PRODUCTS . . .	658	306	536	262	88	44	-	-	4	-	38	-	289	103
RUBBER AND MISCELLANEOUS PLASTICS PRODUCTS.	290	179	266	154	24	25	-	-	-	-	4	-	143	103
OTHER NONDURABLE GOODS.	205	164	177	158	28	6	-	-	-	-	-	-	83	52
DURABLE GOODS.	12 133	2 198	9 417	1 642	2 409	507	70	11	40	33	375	44	3 493	823
FURNITURE, LUMBER, AND WOOD PRODUCTS	972	203	904	178	39	9	7	-	8	14	30	5	473	135
STONE, CLAY, GLASS, AND CONCRETE PRODUCTS	631	121	541	116	71	-	-	-	4	5	15	-	159	51
PRIMARY METAL INDUSTRIES.	2 835	265	2 063	148	664	110	28	7	6	-	120	15	583	30
FABRICATED METAL INDUSTRIES	1 295	384	1 126	331	143	50	5	-	11	-	25	5	510	135
MACHINERY, EXCEPT ELECTRICAL. . . .	1 275	218	1 141	193	107	21	5	2	-	2	29	10	510	103
ELECTRICAL MACHINERY, EQUIPMENT, AND SUPPLIES	248	133	213	103	33	28	2	2	-	-	-	-	68	71
TRANSPORTATION EQUIPMENT.	4 583	675	3 151	437	1 337	230	23	-	11	8	130	9	1 117	207
MOTOR VEHICLES AND MOTOR VEHICLE EQUIPMENT	4 381	632	2 988	400	1 300	224	21	-	11	8	124	9	1 058	188
OTHER DURABLE GOODS	294	199	278	136	15	59	-	-	-	4	26	-	73	91
NOT SPECIFIED MANUFACTURING INDUSTRIES.	160	61	117	37	43	24	-	-	-	-	13	-	45	21
NONMANUFACTURING INDUSTRIES	13 861	2 515	12 099	2 102	1 456	383	97	16	63	5	253	45	4 098	783
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES.	2 995	282	2 463	238	463	44	10	-	-	-	94	-	925	105
WHOLESALE TRADE.	3 974	590	3 540	535	334	43	18	5	43	-	67	7	994	134
RETAIL TRADE	2 864	635	2 619	594	197	33	33	3	-	5	33	-	785	168
BUSINESS AND REPAIR SERVICES	884	138	797	103	64	32	4	3	7	-	28	-	308	22
PUBLIC ADMINISTRATION.	976	137	748	49	210	83	16	5	-	-	5	3	306	39
ALL OTHER INDUSTRIES	2 168	733	1 932	583	188	148	16	-	13	-	26	35	780	315

(1) PERSONS OF SPANISH ORIGIN MAY BE OF ANY RACE.

TABLE 219. (B) DETAILED OCCUPATION OF EMPLOYED PERSONS BY SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

[DATA ARE ESTIMATES BASED ON A SAMPLE; SEE INTRODUCTION. FOR MEANING OF SYMBOLS, SEE INTRODUCTION. FOR DEFINITIONS OF TERMS, SEE APPENDIXES A AND B]

ANN ARBOR, MI SMSA

	SMSA											
	TOTAL		WHITE		BLACK		AMERICAN INDIAN, ESKIMO AND ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
EMPLOYED PERSONS 16 YEARS AND OVER	70 268	58 286	63 119	51 489	5 133	5 404	230	142	1 489	960	822	768
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS	24 108	17 292	21 930	15 659	1 216	1 125	78	33	786	377	309	224
EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS	8 241	4 458	7 610	4 137	454	257	27	18	127	32	89	24
LEGISLATORS, CHIEF EXECUTIVES AND GENERAL ADMINISTRATORS; PUBLIC ADMINISTRATION	28	17	28	17	-	-	-	-	-	-	-	-
ADMINISTRATORS AND OFFICIALS, PUBLIC ADMINISTRATION	159	70	143	60	16	10	-	-	-	-	-	-
FEDERAL	51	17	51	17	-	-	-	-	-	-	-	-
STATE	32	8	18	8	14	-	-	-	-	-	-	-
LOCAL	76	45	74	35	2	10	-	-	-	-	-	-
ADMINISTRATORS, PROTECTIVE SERVICES	18	6	8	6	10	-	-	-	-	-	-	-
FINANCIAL MANAGERS	263	118	244	107	4	11	-	-	15	-	7	-
PERSONNEL AND LABOR RELATIONS MANAGERS	236	103	229	92	7	11	-	-	-	-	-	-
PURCHASING MANAGERS	68	22	68	22	-	-	-	-	-	-	-	-
MANAGERS, MARKETING, ADVERTISING, AND PUBLIC RELATIONS	588	173	582	161	6	12	-	-	-	-	-	-
ADMINISTRATORS, EDUCATION AND RELATED FIELDS	744	527	620	487	91	40	11	-	5	-	12	8
MANAGERS, MEDICINE AND HEALTH	137	164	137	152	-	12	-	-	-	-	-	-
MANAGERS, PROPERTIES AND REAL ESTATE	180	117	161	109	19	8	-	-	-	-	-	-
POSTMASTERS AND MAIL SUPERINTENDENTS	1	12	1	12	-	-	-	-	-	-	-	-
FUNERAL DIRECTORS	23	-	23	-	-	-	-	-	-	-	-	-
MANAGERS AND ADMINISTRATORS, N.E.C., SALARIED	3 491	1 679	3 261	1 600	157	50	-	8	73	7	35	6
CONSTRUCTION	165	32	165	32	-	-	-	-	-	-	-	-
MANUFACTURING	1 038	123	990	123	21	-	-	-	27	-	-	-
NONDURABLE GOODS	209	32	201	32	-	-	-	-	8	-	-	-
DURABLE GOODS	829	91	789	91	21	-	-	-	19	-	-	-
TRANSPORTATION	134	29	131	26	3	3	-	-	-	-	6	-
COMMUNICATIONS, UTILITIES AND SANITARY SERVICES	40	36	27	36	13	-	-	-	-	-	-	-
WHOLESALE TRADE	142	50	131	50	5	-	-	-	6	-	6	-
RETAIL TRADE	595	386	518	364	70	9	-	-	7	7	4	6
GENERAL MERCHANDISE STORES	44	14	26	14	18	-	-	-	-	-	-	-
FOOD, BAKERY, AND DAIRY STORES	38	31	38	31	-	-	-	-	-	-	-	-
AUTOMOTIVE DEALERS AND GASOLINE STATIONS	60	31	60	31	-	-	-	-	-	-	-	-
EATING AND DRINKING PLACES	310	228	251	212	52	9	-	-	7	7	-	-
OTHER RETAIL TRADE	143	82	143	76	-	-	-	-	-	-	4	6
FINANCE, INSURANCE, AND REAL ESTATE	183	90	179	90	4	-	-	-	-	-	-	-
BUSINESS AND REPAIR SERVICES	372	97	353	97	13	-	-	-	6	-	8	-
PERSONAL SERVICES	35	52	21	52	7	-	-	-	7	-	-	-
ALL OTHER INDUSTRIES	787	784	746	730	21	38	-	8	20	-	11	-
MANAGERS AND ADMINISTRATORS, N.E.C., SELF-EMPLOYED	426	94	391	94	27	-	2	-	-	-	2	4
CONSTRUCTION	18	-	18	-	-	-	-	-	-	-	-	-
MANUFACTURING	81	10	81	10	-	-	-	-	-	-	-	-
NONDURABLE GOODS	24	7	24	7	-	-	-	-	-	-	-	-
DURABLE GOODS	57	3	57	3	-	-	-	-	-	-	-	-
TRANSPORTATION	12	-	6	-	4	-	-	-	-	-	-	-
COMMUNICATIONS, UTILITIES AND SANITARY SERVICES	-	-	-	-	-	-	-	-	-	-	-	-
WHOLESALE TRADE	2	-	2	-	-	-	-	-	-	-	-	-
RETAIL TRADE	185	39	167	39	12	-	2	-	-	-	2	-
GENERAL MERCHANDISE STORES	-	-	-	-	-	-	-	-	-	-	-	-
FOOD, BAKERY, AND DAIRY STORES	14	-	14	-	-	-	-	-	-	-	-	-
AUTOMOTIVE DEALERS AND GASOLINE STATIONS	7	2	5	2	-	-	2	-	-	-	2	-
EATING AND DRINKING PLACES	132	24	116	24	12	-	-	-	-	-	-	-
OTHER RETAIL TRADE	32	13	32	13	-	-	-	-	-	-	-	-
FINANCE, INSURANCE, AND REAL ESTATE	9	7	9	7	-	-	-	-	-	-	-	-
BUSINESS AND REPAIR SERVICES	34	-	28	-	6	-	-	-	-	-	-	-
PERSONAL SERVICES	36	6	31	6	5	-	-	-	-	-	-	4
ALL OTHER INDUSTRIES	49	32	49	32	-	-	-	-	-	-	-	-
MANAGEMENT RELATED OCCUPATIONS	1 879	1 356	1 714	1 218	117	103	14	10	34	25	33	6
ACCOUNTANTS AND AUDITORS	794	563	701	520	56	34	6	4	31	5	7	-
UNDERWRITERS	7	-	7	-	-	-	-	-	-	-	-	-
OTHER FINANCIAL OFFICERS	298	242	277	242	21	-	-	-	-	-	-	-
MANAGEMENT ANALYSTS	164	43	157	43	7	-	-	-	-	-	-	-
PERSONNEL, TRAINING, AND LABOR RELATIONS SPECIALISTS	252	270	227	217	17	33	8	-	-	20	12	6
PURCHASING AGENTS AND BUYERS, FARM PRODUCTS	2	-	2	-	-	-	-	-	-	-	-	-
BUYERS, WHOLESALE AND RETAIL TRADE EXCEPT FARM PRODUCTS	65	85	65	79	-	-	-	6	-	-	-	-
PURCHASING AGENTS AND BUYERS, N.E.C.	202	99	183	82	16	17	-	-	3	-	14	-
BUSINESS AND PROMOTION AGENTS	9	2	9	2	-	-	-	-	-	-	-	-
CONSTRUCTION INSPECTORS	37	6	37	6	-	-	-	-	-	-	-	-
INSPECTORS AND COMPLIANCE OFFICERS, EXC. CONSTRUCTION	49	38	49	27	-	11	-	-	-	-	-	-
MANAGEMENT RELATED OCCUPATIONS, N.E.C.	-	8	-	-	-	8	-	-	-	-	-	-
PROFESSIONAL SPECIALTY OCCUPATIONS	15 867	12 834	14 320	11 522	762	868	51	15	659	345	220	200
ENGINEERS, ARCHITECTS, AND SURVEYORS	3 540	219	3 165	185	108	17	-	-	257	17	44	-
ARCHITECTS	267	72	250	66	6	-	-	-	11	6	5	-
ENGINEERS	3 243	141	2 885	119	102	11	-	-	246	11	39	-
AEROSPACE	40	-	32	-	-	-	-	-	8	-	-	-
METALLURGICAL AND MATERIALS	77	-	71	-	-	-	-	-	6	-	-	-
MINING	-	-	-	-	-	-	-	-	-	-	-	-
PETROLEUM	2	-	2	-	-	-	-	-	-	-	-	-
CHEMICAL	67	6	61	-	-	-	-	-	6	6	-	-
NUCLEAR	27	-	27	-	-	-	-	-	-	-	-	-
CIVIL	424	12	357	7	7	-	-	-	60	5	9	-
AGRICULTURAL	6	5	6	5	-	-	-	-	-	-	-	-
ELECTRICAL AND ELECTRONIC	544	7	501	7	-	-	-	-	43	-	20	-
INDUSTRIAL	263	47	242	40	7	7	-	-	14	-	-	-
MECHANICAL	1 151	39	1 038	39	41	-	-	-	70	-	8	-
MARINE AND NAVAL ARCHITECTS	6	6	6	6	-	-	-	-	-	-	-	-
ENGINEERS, N.E.C.	636	19	542	15	47	4	-	-	39	-	2	-
SURVEYORS AND MAPPING SCIENTISTS	30	6	30	-	-	6	-	-	-	-	-	-

(1) PERSONS OF SPANISH ORIGIN MAY BE OF ANY RACE.

TABLE 219. (B) DETAILED OCCUPATION OF EMPLOYED PERSONS BY SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

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ANN ARBOR, MI SMSA

	SMSA											
	TOTAL		WHITE		BLACK		AMERICAN INDIAN, ESKIMO AND ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
MATHEMATICAL AND COMPUTER SCIENTISTS	725	212	683	200	24	-	-	-	18	6	-	6
COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS	515	131	480	131	17	-	-	-	18	-	-	-
OPERATIONS AND SYSTEMS RESEARCHERS AND ANALYSTS	42	18	42	18	-	-	-	-	-	-	-	-
ACTUARIES	18	7	18	7	-	-	-	-	-	-	-	-
STATISTICIANS	139	56	132	44	7	-	-	-	-	6	-	6
MATHEMATICAL SCIENTISTS, N.E.C.	11	-	11	-	-	-	-	-	-	-	-	-
NATURAL SCIENTISTS	644	248	582	217	20	15	-	3	35	13	-	-
PHYSICISTS AND ASTRONOMERS	103	10	97	10	-	-	-	-	6	-	-	-
CHEMISTS, EXCEPT BIOCHEMISTS	229	91	196	65	10	15	-	-	16	11	-	-
ATMOSPHERIC AND SPACE SCIENTISTS	7	-	7	-	-	-	-	-	-	-	-	-
GEOLOGISTS AND GEODESISTS	24	13	24	13	-	-	-	-	-	-	-	-
PHYSICAL SCIENTISTS, N.E.C.	30	15	30	15	-	-	-	-	-	-	-	-
AGRICULTURAL AND FOOD SCIENTISTS	12	16	12	16	-	-	-	-	-	-	-	-
BIOLOGICAL AND LIFE SCIENTISTS	142	69	136	69	-	-	-	-	6	-	-	-
FORESTRY AND CONSERVATION SCIENTISTS	35	1	29	1	6	-	-	-	-	-	-	-
MEDICAL SCIENTISTS	62	33	51	28	4	-	-	3	7	2	-	-
HEALTH DIAGNOSING OCCUPATIONS	1 603	304	1 471	245	56	15	-	-	64	38	34	22
PHYSICIANS	1 185	273	1 085	214	36	15	-	-	52	38	34	22
DENTISTS	330	25	298	25	20	-	-	-	12	-	-	-
VETERINARIANS	42	-	42	-	-	-	-	-	-	-	-	-
OPTOMETRISTS	8	-	8	-	-	-	-	-	-	-	-	-
PODIATRISTS	-	6	-	6	-	-	-	-	-	-	-	-
HEALTH DIAGNOSING PRACTITIONERS, N.E.C.	38	-	38	-	-	-	-	-	-	-	-	-
HEALTH ASSESSMENT AND TREATING OCCUPATIONS	523	3 192	483	2 891	34	166	6	-	-	135	-	43
REGISTERED NURSES	131	2 378	112	2 174	13	105	6	-	-	99	-	32
PHARMACISTS	200	191	200	173	-	12	-	-	-	6	-	6
DIETITIANS	7	145	7	105	-	23	-	-	-	17	-	-
THERAPISTS	167	452	151	422	16	17	-	-	-	13	-	5
INHALATION THERAPISTS	99	112	99	95	-	10	-	-	-	7	-	-
OCCUPATIONAL THERAPISTS	-	93	-	93	-	-	-	-	-	-	-	-
PHYSICAL THERAPISTS	17	115	17	109	-	-	-	-	-	6	-	-
SPEECH THERAPISTS	-	62	-	62	-	-	-	-	-	-	-	5
THERAPISTS, N.E.C.	51	70	35	63	16	7	-	-	-	-	-	-
PHYSICIANS' ASSISTANTS	18	26	13	17	5	9	-	-	-	-	-	-
TEACHERS, POSTSECONDARY	3 434	1 489	3 073	1 330	132	71	11	6	191	60	50	51
BIOLOGICAL SCIENCE TEACHERS	54	11	54	11	-	-	-	-	-	-	-	-
CHEMISTRY TEACHERS	59	31	53	31	-	-	-	-	6	-	-	6
PHYSICS TEACHERS	58	6	58	6	-	-	-	-	-	-	-	-
OTHER NATURAL SCIENCE TEACHERS	7	-	2	-	-	-	-	-	5	-	-	-
PSYCHOLOGY TEACHERS	29	31	12	24	6	-	11	-	-	-	6	7
ECONOMICS TEACHERS	24	3	24	-	-	-	-	-	-	3	-	-
HISTORY TEACHERS	34	19	34	19	-	-	-	-	-	-	-	-
OTHER SOCIAL SCIENCE TEACHERS	46	14	46	14	-	-	-	-	-	-	-	8
ENGINEERING TEACHERS	137	16	131	16	-	-	-	-	6	-	-	-
MATHEMATICAL AND COMPUTER SCIENCE TEACHERS	64	35	58	30	6	-	-	-	-	-	-	-
MEDICAL SCIENCE TEACHERS	125	19	118	19	7	-	-	-	-	-	-	-
HEALTH SPECIALTIES TEACHERS	6	88	6	75	-	9	-	-	-	4	-	-
BUSINESS, COMMERCE, AND MARKETING TEACHERS	29	6	29	6	-	-	-	-	-	-	-	-
ART, DRAMA, AND MUSIC TEACHERS	78	60	66	54	12	-	-	6	-	-	-	-
ENGLISH TEACHERS	97	55	97	55	-	-	-	-	-	-	-	-
FOREIGN LANGUAGE TEACHERS	44	49	39	44	-	-	-	-	5	5	-	5
OTHER SPECIFIED TEACHERS	118	50	118	41	-	3	-	-	-	6	-	-
POSTSECONDARY TEACHERS, SUBJECT NOT SPECIFIED	2 425	996	2 128	885	101	59	-	-	169	42	44	25
TEACHERS, EXCEPT POSTSECONDARY	1 706	3 575	1 536	3 258	126	279	13	6	31	26	19	22
TEACHERS, PREKINDERGARTEN AND KINDERGARTEN	12	324	7	303	5	21	-	-	-	-	-	-
TEACHERS, ELEMENTARY SCHOOL	923	2 052	807	1 844	105	185	6	-	5	17	6	16
TEACHERS, SECONDARY SCHOOL	537	796	526	735	4	61	7	-	-	-	7	-
TEACHERS, SPECIAL EDUCATION	7	8	7	8	-	-	-	-	-	-	-	-
TEACHERS, N.E.C.	227	395	189	368	12	12	-	6	26	9	6	6
COUNSELORS, EDUCATIONAL AND VOCATIONAL	246	400	173	282	62	93	-	-	11	13	-	15
LIBRARIANS, ARCHIVISTS, AND CURATORS	117	596	105	512	-	66	-	-	12	13	-	5
LIBRARIANS	94	577	87	493	-	66	-	-	7	13	-	5
ARCHIVISTS AND CURATORS	23	19	18	19	-	-	-	-	5	-	-	-
SOCIAL SCIENTISTS AND URBAN PLANNERS	419	305	382	291	12	8	-	-	6	-	50	6
ECONOMISTS	120	57	114	57	6	-	-	-	-	-	-	-
PSYCHOLOGISTS	242	204	217	190	6	8	-	-	-	-	45	6
SOCIOLOGISTS	4	9	4	9	-	-	-	-	-	-	-	-
SOCIAL SCIENTISTS, N.E.C.	40	19	34	19	-	-	-	-	6	-	5	-
URBAN PLANNERS	13	16	13	16	-	-	-	-	-	-	-	-
SOCIAL, RECREATION, AND RELIGIOUS WORKERS	726	1 061	603	955	117	94	6	-	-	-	16	21
SOCIAL WORKERS	398	977	305	871	93	94	-	-	-	-	11	21
RECREATION WORKERS	6	15	6	15	-	-	-	-	-	-	-	-
CLERGY	313	22	283	22	24	-	6	-	-	-	5	-
RELIGIOUS WORKERS, N.E.C.	9	47	9	47	-	-	-	-	-	-	-	-
LAWYERS AND JUDGES	643	158	617	144	26	14	-	-	-	-	7	-
LAWYERS	610	158	584	144	26	14	-	-	-	-	7	-
JUDGES	33	-	33	-	-	-	-	-	-	-	-	-
WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES	1 541	1 075	1 447	1 012	45	30	15	-	34	24	-	9
AUTHORS	50	42	50	38	-	4	-	-	-	-	-	-
TECHNICAL WRITERS	84	39	84	39	-	-	-	-	-	-	-	-
DESIGNERS	318	264	301	256	-	-	-	-	17	8	-	-
MUSICIANS AND COMPOSERS	204	68	167	68	28	-	9	-	-	-	-	-
ACTORS AND DIRECTORS	63	34	50	27	8	7	-	-	5	-	-	-
PAINTERS, SCULPTORS, CRAFT-ARTISTS, AND ARTIST PRINTMAKERS	137	181	122	172	9	-	6	-	-	-	-	9
PHOTOGRAPHERS	107	45	107	40	-	-	-	-	-	5	-	-
DANCERS	6	6	6	6	-	-	-	-	-	-	-	-
ARTISTS, PERFORMERS AND RELATED WORKERS, N.E.C.	30	27	30	27	-	-	-	-	-	-	-	-
EDITORS AND REPORTERS	318	239	306	215	-	19	-	-	12	5	-	-
PUBLIC RELATIONS SPECIALISTS	59	84	59	84	-	-	-	-	-	-	-	-
ANNOUNCERS	53	6	53	-	-	-	-	-	-	6	-	-
ATHLETES	112	40	112	40	-	-	-	-	-	-	-	-

(1) PERSONS OF SPANISH ORIGIN MAY BE OF ANY RACE.

TABLE 219. (B) DETAILED OCCUPATION OF EMPLOYED PERSONS BY SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

[DATA ARE ESTIMATES BASED ON A SAMPLE; SEE INTRODUCTION. FOR MEANING OF SYMBOLS, SEE INTRODUCTION. FOR DEFINITIONS OF TERMS, SEE APPENDIXES A AND B]

ANN ARBOR, MI SMSA

	SMSA											
	TOTAL		WHITE		BLACK		AMERICAN INDIAN, ESKIMO AND ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS	14 400	24 457	13 179	21 808	723	2 179	36	58	362	291	185	315
TECHNICIANS AND RELATED SUPPORT OCCUPATIONS	4 107	2 946	3 703	2 591	185	226	5	8	208	96	44	62
HEALTH TECHNOLOGISTS AND TECHNICIANS	514	1 375	419	1 206	55	127	5	6	35	30	-	23
CLINICAL LABORATORY TECHNOLOGISTS AND TECHNICIANS	205	372	175	320	25	16	-	-	5	30	-	15
DENTAL HYGIENISTS	-	109	-	109	-	-	-	-	-	-	-	7
HEALTH RECORD TECHNOLOGISTS AND TECHNICIANS	-	29	-	29	-	-	-	-	-	-	-	-
RADIOLOGIC TECHNICIANS	26	103	26	75	-	22	-	6	-	-	-	-
LICENSED PRACTICAL NURSES	35	542	25	493	10	49	-	-	-	-	-	1
HEALTH TECHNOLOGISTS AND TECHNICIANS, N.E.C.	248	220	193	180	20	40	5	-	30	-	-	-
ENGINEERING AND RELATED TECHNOLOGISTS AND TECHNICIANS	1 130	236	1 058	210	59	11	-	-	13	15	17	-
ELECTRICAL AND ELECTRONIC TECHNICIANS	326	39	313	36	13	3	-	-	-	-	7	-
INDUSTRIAL ENGINEERING TECHNICIANS	8	-	8	-	-	-	-	-	-	-	-	-
MECHANICAL ENGINEERING TECHNICIANS	64	4	58	4	6	-	-	-	-	-	-	-
ENGINEERING TECHNICIANS, N.E.C.	347	111	328	103	15	8	-	-	4	-	6	-
DRAFTING OCCUPATIONS	377	76	343	67	25	-	-	-	9	9	4	-
SURVEYING AND MAPPING TECHNICIANS	8	6	8	-	-	-	-	-	-	6	-	-
SCIENCE TECHNICIANS	240	157	220	131	6	8	-	-	14	18	4	8
BIOLOGICAL TECHNICIANS	39	48	39	48	-	-	-	-	-	-	-	-
CHEMICAL TECHNICIANS	88	36	82	29	-	-	-	-	6	7	-	-
SCIENCE TECHNICIANS, N.E.C.	113	73	99	54	6	8	-	-	8	11	4	8
TECHNICIANS, EXCEPT HEALTH, ENGINEERING, AND SCIENCE	2 223	1 178	2 006	1 044	65	80	-	2	146	33	23	31
AIRPLANE PILOTS AND NAVIGATORS	237	-	237	-	-	-	-	-	-	-	-	-
AIR TRAFFIC CONTROLLERS	38	36	25	25	8	7	-	-	5	4	-	-
BROADCAST EQUIPMENT OPERATORS	75	17	75	17	-	-	-	-	-	-	-	-
COMPUTER PROGRAMMERS	718	272	672	231	26	29	-	-	20	12	6	-
TOOL PROGRAMMERS, NUMERICAL CONTROL	11	11	11	11	-	-	-	-	-	-	-	-
LEGAL ASSISTANTS	38	65	38	65	-	-	-	-	-	-	-	-
TECHNICIANS, N.E.C.	1 106	777	948	695	31	44	-	2	121	17	17	31
SALES OCCUPATIONS	5 417	5 315	5 166	4 851	154	362	7	22	79	62	60	68
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS, SALARIED	1 075	401	1 048	387	11	14	-	-	16	-	10	6
MANUFACTURING	12	6	12	6	-	-	-	-	-	-	-	-
WHOLESALE TRADE	60	5	60	5	-	-	-	-	-	-	-	-
RETAIL TRADE	909	367	882	359	11	8	-	-	16	-	10	6
ALL OTHER INDUSTRIES	94	23	94	17	-	6	-	-	-	-	-	-
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS, SELF-EMPLOYED	171	93	164	68	-	18	-	-	7	7	-	-
MANUFACTURING	-	-	-	-	-	-	-	-	-	-	-	-
WHOLESALE TRADE	-	-	-	-	-	-	-	-	-	-	-	-
RETAIL TRADE	164	93	157	68	-	18	-	-	7	7	-	-
ALL OTHER INDUSTRIES	7	-	7	-	-	-	-	-	-	-	-	-
SALES REPRESENTATIVES, FINANCE AND BUSINESS SERVICES	1 105	648	1 048	636	32	12	-	-	25	-	5	6
INSURANCE SALES OCCUPATIONS	359	98	333	98	14	-	-	-	12	-	-	-
REAL ESTATE SALES OCCUPATIONS	318	300	314	295	4	5	-	-	-	-	5	-
SECURITIES AND FINANCIAL SERVICES SALES OCCUPATIONS	61	17	61	17	-	-	-	-	-	-	-	-
ADVERTISING AND RELATED SALES OCCUPATIONS	51	64	46	64	5	-	-	-	-	-	-	-
SALES OCCUPATIONS, OTHER BUSINESS SERVICES	316	169	294	162	9	7	-	-	13	-	-	6
SALES REPRESENTATIVES, COMMODITIES, EXCEPT RETAIL	945	181	905	158	27	17	7	6	6	-	8	2
SALES ENGINEERS	111	-	105	-	6	-	-	-	-	-	-	-
SALES REPRESENTATIVES, MINING, MANUFACTURING, AND WHOLESALE	834	181	800	158	21	17	7	6	6	-	8	2
WHOLESALE TRADE	423	68	410	62	-	6	7	-	6	-	3	2
SALES WORKERS, RETAIL AND PERSONAL SERVICES	2 099	3 976	1 979	3 586	84	301	-	16	25	55	37	54
SALES WORKERS, MOTOR VEHICLES AND BOATS	205	26	194	26	11	-	-	-	-	-	-	-
SALES WORKERS, APPAREL	99	490	91	471	8	19	-	-	-	-	-	14
SALES WORKERS, SHOES	89	44	89	37	-	7	-	-	-	-	-	-
SALES WORKERS, FURNITURE AND HOME FURNISHINGS	87	40	81	40	6	-	-	-	-	-	-	-
SALES WORKERS, RADIO, TV, HI-FI, AND APPLIANCES	134	64	128	60	6	-	-	-	-	4	-	-
SALES WORKERS, HARDWARE AND BUILDING SUPPLIES	193	35	184	35	9	-	-	-	-	-	-	-
SALES WORKERS, PARTS	149	22	142	22	2	-	-	-	5	-	16	-
SALES WORKERS, OTHER COMMODITIES	495	1 293	463	1 167	15	108	-	7	6	11	11	11
RETAIL TRADE	429	1 258	403	1 142	15	98	-	7	6	11	5	11
PERSONAL, BUSINESS AND REPAIR SERVICES	2	6	2	6	-	-	-	-	-	-	-	-
ALL OTHER INDUSTRIES	64	29	58	19	-	10	-	-	-	-	6	-
SALES COUNTER CLERKS	43	68	43	61	-	7	-	-	-	-	-	-
CASHIERS	490	1 729	449	1 520	27	150	-	9	14	32	10	24
STREET AND DOOR-TO-DOOR SALES WORKERS	37	132	37	114	-	10	-	-	-	8	-	-
NEWS VENDORS	78	33	78	33	-	-	-	-	-	-	-	5
SALES RELATED OCCUPATIONS	22	16	22	16	-	-	-	-	-	-	-	-
DEMONSTRATORS, PROMOTERS AND MODELS, SALES	19	16	19	16	-	-	-	-	-	-	-	-
AUCTIONEERS	3	-	3	-	-	-	-	-	-	-	-	-
SALES SUPPORT OCCUPATIONS, N.E.C.	-	-	-	-	-	-	-	-	-	-	-	-
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL	4 876	16 196	4 310	14 366	384	1 591	24	28	75	133	81	185
SUPERVISORS, ADMINISTRATIVE SUPPORT OCCUPATIONS	669	751	611	710	42	35	-	-	4	-	17	6
SUPERVISORS, GENERAL OFFICE	303	577	269	536	28	35	-	-	-	-	6	6
SUPERVISORS, COMPUTER EQUIPMENT OPERATORS	131	32	131	32	-	-	-	-	-	-	5	-
SUPERVISORS, FINANCIAL RECORDS PROCESSING	115	94	98	94	7	-	-	-	4	-	6	-
CHIEF COMMUNICATIONS OPERATORS	26	19	26	19	-	-	-	-	-	-	-	-
SUPERVISORS; DISTRIBUTION, SCHEDULING, AND ADJUSTING CLERKS	94	29	87	29	7	-	-	-	-	-	-	-

(1) PERSONS OF SPANISH ORIGIN MAY BE OF ANY RACE.

TABLE 219. (B) DETAILED OCCUPATION OF EMPLOYED PERSONS BY SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

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ANN ARBOR, MI SMSA

	SMSA											
	TOTAL		WHITE		BLACK		AMERICAN INDIAN, ESKIMO AND ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
COMPUTER EQUIPMENT OPERATORS	237	343	231	304	-	27	-	-	6	7	-	5
COMPUTER OPERATORS	237	343	231	304	-	27	-	-	6	7	-	5
PERIPHERAL EQUIPMENT OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-
SECRETARIES, STENOGRAPHERS, AND TYPISTS	93	6 202	93	5 624	-	496	-	12	-	52	6	69
SECRETARIES	52	5 194	52	4 755	-	378	-	12	-	37	-	53
STENOGRAPHERS	9	-	9	-	-	-	-	-	-	-	-	-
TYPISTS	32	1 008	32	869	-	118	-	-	-	15	6	16
INFORMATION CLERKS	288	1 187	261	1 071	27	116	-	-	-	-	-	-
INTERVIEWERS	60	133	60	133	-	-	-	-	-	-	-	-
HOTEL CLERKS	56	59	56	59	-	-	-	-	-	-	-	-
TRANSPORTATION TICKET AND RESERVATION AGENTS	69	43	54	43	15	-	-	-	-	-	-	-
RECEPTIONISTS	81	801	69	700	12	101	-	-	-	-	-	-
INFORMATION CLERKS, N.E.C.	22	151	22	136	-	15	-	-	-	-	-	-
RECORDS PROCESSING OCCUPATIONS, EXCEPT FINANCIAL	485	1 467	433	1 208	36	228	-	-	7	31	7	-
CLASSIFIED-AD CLERKS	-	-	-	-	-	-	-	-	-	-	-	-
CORRESPONDENCE CLERKS	-	10	-	4	-	-	-	-	-	6	-	-
ORDER CLERKS	93	202	80	184	4	18	-	-	-	-	7	-
PERSONNEL CLERKS, EXCEPT PAYROLL AND TIMEKEEPING	40	45	27	45	13	-	-	-	-	-	-	-
LIBRARY CLERKS	212	645	202	524	8	96	-	-	2	25	-	-
FILE CLERKS	109	395	100	307	4	88	-	-	5	-	-	-
RECORDS CLERKS	31	170	24	144	7	26	-	-	-	-	-	-
FINANCIAL RECORDS PROCESSING OCCUPATIONS	256	1 577	225	1 441	18	117	-	7	8	12	8	23
BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS	191	1 245	166	1 151	12	88	-	-	8	6	5	17
PAYROLL AND TIMEKEEPING CLERKS	26	149	26	121	-	21	-	7	-	-	-	6
BILLING CLERKS	13	114	13	111	-	3	-	-	-	-	-	-
COST AND RATE CLERKS	17	30	17	30	-	-	-	-	-	-	3	-
BILLING, POSTING, AND CALCULATING MACHINE OPERATORS	9	39	3	28	6	5	-	-	-	6	-	-
DUPLICATING, MAIL, AND OTHER OFFICE MACHINE OPERATORS	49	122	49	104	-	18	-	-	-	-	-	-
DUPLICATING MACHINE OPERATORS	35	64	35	46	-	18	-	-	-	-	-	-
MAIL PREPARING AND PAPER HANDLING MACHINE OPERATORS	-	7	-	7	-	-	-	-	-	-	-	-
OFFICE MACHINE OPERATORS, N.E.C.	14	51	14	51	-	-	-	-	-	-	-	-
COMMUNICATIONS EQUIPMENT OPERATORS	45	270	40	239	5	31	-	-	-	-	-	-
TELEPHONE OPERATORS	45	263	40	232	5	31	-	-	-	-	-	-
TELEGRAPHERS	-	-	-	-	-	-	-	-	-	-	-	-
COMMUNICATIONS EQUIPMENT OPERATORS, N.E.C.	-	7	-	7	-	-	-	-	-	-	-	-
MAIL AND MESSAGE DISTRIBUTING OCCUPATIONS	421	295	371	245	30	50	12	-	-	-	-	-
POSTAL CLERKS, EXCEPT MAIL CARRIERS	36	88	21	64	15	24	-	-	-	-	-	-
MAIL CARRIERS, POSTAL SERVICE	250	58	223	58	15	-	12	-	-	-	-	-
MAIL CLERKS, EXCEPT POSTAL SERVICE	56	105	56	94	-	11	-	-	-	-	-	-
MESSENGERS	79	44	71	29	-	15	-	-	-	-	-	-
MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING CLERKS	1 357	775	1 185	647	128	111	6	-	13	-	25	22
DISPATCHERS	51	35	51	35	-	-	-	-	-	-	-	4
PRODUCTION COORDINATORS	321	196	268	178	37	10	-	-	8	-	8	-
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	349	128	321	123	20	5	-	-	-	-	-	2
STOCK AND INVENTORY CLERKS	537	248	446	155	71	84	6	-	5	-	17	16
METER READERS	20	3	20	3	-	-	-	-	-	-	-	-
WEIGHERS, MEASURERS, AND CHECKERS	21	54	21	47	-	7	-	-	-	-	-	-
SAMPLERS	-	-	-	-	-	-	-	-	-	-	-	-
EXPEDITERS	50	100	50	100	-	-	-	-	-	-	-	-
MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING CLERKS, N.E.C.	8	11	8	6	-	5	-	-	-	-	-	-
ADJUSTERS AND INVESTIGATORS	126	222	107	172	19	39	-	4	-	7	-	-
INSURANCE ADJUSTERS, EXAMINERS, AND INVESTIGATORS	51	53	46	41	5	12	-	-	-	-	-	-
INVESTIGATORS AND ADJUSTERS, EXCEPT INSURANCE	66	108	52	77	14	22	-	2	-	7	-	-
ELIGIBILITY CLERKS, SOCIAL WELFARE	-	-	-	-	-	-	-	-	-	-	-	-
BILL AND ACCOUNT COLLECTORS	9	61	9	54	-	5	-	2	-	-	-	-
MISCELLANEOUS ADMINISTRATIVE SUPPORT OCCUPATIONS	850	2 985	704	2 601	79	323	6	5	37	24	18	60
GENERAL OFFICE CLERKS	389	1 389	321	1 182	35	183	6	-	11	15	10	24
BANK TELLERS	53	444	47	393	6	42	-	-	-	-	-	15
PROOFREADERS	18	18	18	18	-	-	-	-	-	-	-	-
DATA-ENTRY KEYERS	17	317	17	281	-	27	-	-	-	9	-	-
STATISTICAL CLERKS	71	112	48	103	23	9	-	-	-	-	-	-
TEACHERS' AIDES	115	226	84	192	11	21	-	5	20	-	-	8
ADMINISTRATIVE SUPPORT OCCUPATIONS, N.E.C.	187	479	169	432	4	41	-	-	6	-	8	13
SERVICE OCCUPATIONS	7 101	10 435	5 873	8 825	996	1 309	31	39	164	212	113	152
PRIVATE HOUSEHOLD OCCUPATIONS	20	534	6	411	14	106	-	8	-	5	-	13
OCCUPATION:												
LAUNDERERS AND IRONERS	-	-	-	-	-	-	-	-	-	-	-	-
COOKS, PRIVATE HOUSEHOLD	-	2	-	2	-	-	-	-	-	-	-	-
HOUSEKEEPERS AND BUTLERS	-	7	-	-	-	7	-	-	-	-	-	-
CHILD CARE WORKERS, PRIVATE HOUSEHOLD	8	221	-	210	8	11	-	-	-	-	-	6
PRIVATE HOUSEHOLD CLEANERS AND SERVANTS	12	304	6	199	6	88	-	8	-	5	-	7
LIVING ARRANGEMENT:												
LIVING IN	-	11	-	11	-	-	-	-	-	-	-	-
LIVING OUT	20	523	6	400	14	106	-	8	-	5	-	13

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TABLE 219. (B) DETAILED OCCUPATION OF EMPLOYED PERSONS BY SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

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ANN ARBOR, MI SMSA

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	TOTAL		WHITE		BLACK		AMERICAN INDIAN, ESKIMO AND ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
PROTECTIVE SERVICE OCCUPATIONS	1 213	318	1 059	269	124	38	6	11	12	-	33	-
SUPERVISORS, PROTECTIVE SERVICE OCCUPATIONS	114	21	102	21	6	-	-	-	-	-	6	-
SUPERVISORS, FIREFIGHTING AND FIRE PREVENTION OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-
SUPERVISORS, POLICE AND DETECTIVES	45	6	39	6	6	-	-	-	-	-	-	-
SUPERVISORS, GUARDS	69	15	63	15	-	-	-	-	-	-	6	-
FIREFIGHTING AND FIRE PREVENTION OCCUPATIONS	119	12	103	12	16	-	-	-	-	-	-	-
FIRE INSPECTION AND FIRE PREVENTION OCCUPATIONS	16	7	16	7	-	-	-	-	-	-	-	-
FIREFIGHTING OCCUPATIONS	103	5	87	5	16	-	-	-	-	-	-	-
POLICE AND DETECTIVES	376	93	331	68	38	14	-	11	7	-	7	-
POLICE AND DETECTIVES, PUBLIC SERVICE	272	28	247	21	18	7	-	-	7	-	7	-
SHERIFFS, BAILIFFS, AND OTHER ENFORCEMENT OFFICERS	37	7	37	7	-	-	-	-	-	-	-	-
CORRECTIONAL INSTITUTION OFFICERS	67	58	47	40	20	7	-	11	-	-	-	-
GUARDS	604	192	523	168	64	24	6	-	5	-	20	-
CROSSING GUARDS	16	8	12	8	4	-	-	-	-	-	-	-
GUARDS AND POLICE, EXCEPT PUBLIC SERVICE	559	165	482	141	60	24	6	-	5	-	20	-
PROTECTIVE SERVICE OCCUPATIONS, N.E.C.	29	19	29	19	-	-	-	-	-	-	-	-
SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD	5 868	9 583	4 808	8 145	858	1 165	25	20	152	207	80	139
FOOD PREPARATION AND SERVICE OCCUPATIONS	2 584	4 724	2 181	4 277	264	272	13	11	121	132	37	67
SUPERVISORS, FOOD PREPARATION AND SERVICE OCCUPATIONS	238	364	198	331	28	24	7	-	5	3	-	6
BARTENDERS	199	162	187	153	12	-	-	-	-	9	6	-
WAITERS AND WAITRESSES	259	2 183	244	2 075	15	50	-	-	-	54	-	17
COOKS, EXCEPT SHORT ORDER	705	722	557	612	105	81	-	5	43	15	10	23
SHORT-ORDER COOKS	107	18	70	18	32	-	-	-	5	-	-	-
FOOD COUNTER, FOUNTAIN AND RELATED OCCUPATIONS	53	204	47	174	6	21	-	-	-	9	-	-
KITCHEN WORKERS, FOOD PREPARATION	12	102	12	79	-	23	-	-	-	-	-	6
WAITERS' AND WAITRESSES' ASSISTANTS	305	311	295	280	10	26	-	-	-	-	12	5
MISCELLANEOUS FOOD PREPARATION OCCUPATIONS	706	658	571	555	56	47	6	6	68	42	9	10
HEALTH SERVICE OCCUPATIONS	448	1 904	344	1 543	80	317	-	-	11	38	19	40
DENTAL ASSISTANTS	-	224	-	219	-	5	-	-	-	-	-	6
HEALTH AIDES, EXCEPT NURSING	94	427	71	361	12	32	-	-	6	28	11	11
NURSING AIDES, ORDERLIES, AND ATTENDANTS	354	1 253	273	963	68	280	-	-	5	10	8	23
CLEANING AND BUILDING SERVICE OCCUPATIONS, EXCEPT HOUSEHOLD	2 365	1 304	1 875	879	463	397	6	-	14	20	24	32
SUPERVISORS, CLEANING AND BUILDING SERVICE WORKERS	173	85	168	45	5	40	-	-	-	-	-	-
MAIDS AND HOUSEMEN	108	440	70	282	38	158	-	-	-	-	-	-
JANITORS AND CLEANERS	2 084	779	1 637	552	420	199	6	-	14	20	24	32
ELEVATOR OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-
PEST CONTROL OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-
PERSONAL SERVICE OCCUPATIONS	471	1 651	408	1 446	51	179	6	9	6	17	-	-
SUPERVISORS, PERSONAL SERVICE OCCUPATIONS	22	11	22	11	-	-	-	-	-	-	-	-
BARBERS	27	11	27	11	-	-	-	-	-	-	-	-
HAIRDRESSERS AND COSMETOLOGISTS	57	474	57	443	-	24	-	2	-	5	-	-
ATTENDANTS, AMUSEMENT AND RECREATION FACILITIES	87	35	73	28	8	-	6	-	-	7	-	-
GUIDES	20	32	13	32	7	-	-	-	-	-	-	-
USHERS	35	24	28	24	7	-	-	-	-	-	-	-
PUBLIC TRANSPORTATION ATTENDANTS	-	93	-	87	-	6	-	-	-	-	-	-
BAGGAGE PORTERS AND BELLHOPS	20	-	14	-	6	-	-	-	-	-	-	-
WELFARE SERVICE AIDES	-	52	-	17	-	35	-	-	-	-	-	-
CHILD CARE WORKERS, EXCEPT PRIVATE HOUSEHOLD	125	791	103	693	16	93	-	-	6	5	-	-
PERSONAL SERVICE OCCUPATIONS, N.E.C.	78	128	71	100	7	21	-	7	-	-	-	-
FARMING, FORESTRY, AND FISHING OCCUPATIONS	1 294	305	1 237	288	47	11	-	-	10	6	5	4
FARM OPERATORS AND MANAGERS	637	79	637	79	-	-	-	-	-	-	-	-
FARMERS, EXCEPT HORTICULTURAL	565	56	565	56	-	-	-	-	-	-	-	-
AGRICULTURAL PRODUCTION, CROPS	343	25	343	25	-	-	-	-	-	-	-	-
HORTICULTURAL SPECIALTY FARMERS	-	-	-	-	-	-	-	-	-	-	-	-
MANAGERS, FARMS, EXCEPT HORTICULTURAL	61	23	61	23	-	-	-	-	-	-	-	-
MANAGERS, HORTICULTURAL SPECIALTY FARMS	11	-	11	-	-	-	-	-	-	-	-	-
FARM OCCUPATIONS, EXCEPT MANAGERIAL	273	134	267	134	-	-	-	-	6	-	-	-
SUPERVISORS, FARM WORKERS	6	6	6	6	-	-	-	-	-	-	-	-
FARM WORKERS	238	95	232	95	-	-	-	-	6	-	-	-
AGRICULTURAL PRODUCTION, CROPS	116	51	110	51	-	-	-	-	6	-	-	-
MARINE LIFE CULTIVATION WORKERS	-	-	-	-	-	-	-	-	-	-	-	-
NURSERY WORKERS	29	33	29	33	-	-	-	-	-	-	-	-
RELATED AGRICULTURAL OCCUPATIONS	376	92	333	75	39	11	-	-	4	6	5	4
SUPERVISORS, RELATED AGRICULTURAL OCCUPATIONS	28	-	28	-	-	-	-	-	-	-	-	-
GROUNDSKEEPERS AND GARDENERS, EXCEPT FARM	301	31	262	20	39	11	-	-	-	-	5	-
ANIMAL CARETAKERS, EXCEPT FARM	47	61	43	55	-	-	-	-	4	6	-	4
GRADERS AND SORTERS, AGRICULTURAL PRODUCTS	-	-	-	-	-	-	-	-	-	-	-	-
INSPECTORS, AGRICULTURAL PRODUCTS	-	-	-	-	-	-	-	-	-	-	-	-
FORESTRY AND LOGGING OCCUPATIONS	8	-	-	-	8	-	-	-	-	-	-	-
SUPERVISORS, FORESTRY AND LOGGING WORKERS	-	-	-	-	-	-	-	-	-	-	-	-
FORESTRY WORKERS, EXCEPT LOGGING	8	-	-	-	8	-	-	-	-	-	-	-
TIMBER CUTTING AND LOGGING OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-
FISHERS, HUNTERS, AND TRAPPERS	-	-	-	-	-	-	-	-	-	-	-	-
CAPTAINS AND OTHER OFFICERS, FISHING VESSELS	-	-	-	-	-	-	-	-	-	-	-	-
FISHERS	-	-	-	-	-	-	-	-	-	-	-	-
HUNTERS AND TRAPPERS	-	-	-	-	-	-	-	-	-	-	-	-

(1) PERSONS OF SPANISH ORIGIN MAY BE OF ANY RACE.

TABLE 219. (B) DETAILED OCCUPATION OF EMPLOYED PERSONS BY SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

[DATA ARE ESTIMATES BASED ON A SAMPLE; SEE INTRODUCTION. FOR MEANING OF SYMBOLS, SEE INTRODUCTION. FOR DEFINITIONS OF TERMS, SEE APPENDIXES A AND B]

ANN ARBOR, MI SMSA

	SMSA											
	TOTAL		WHITE		BLACK		AMERICAN INDIAN, ESKIMO AND ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS	10 519	819	9 814	738	557	70	46	-	85	11	57	24
MECHANICS AND REPAIRERS	3 616	142	3 390	120	202	22	12	-	6	-	23	14
SUPERVISORS, MECHANICS AND REPAIRERS	91	11	85	11	6	-	-	-	-	-	6	-
MECHANICS AND REPAIRERS, EXCEPT SUPERVISORS	3 525	131	3 305	109	196	22	12	-	6	-	17	14
VEHICLE AND MOBILE EQUIPMENT MECHANICS AND REPAIRERS	1 574	55	1 511	42	53	13	4	-	6	-	-	-
AUTOMOBILE MECHANICS	969	44	920	31	39	13	4	-	6	-	-	-
BUS, TRUCK, AND STATIONARY ENGINE MECHANICS	142	-	128	-	14	-	-	-	-	-	-	-
AIRCRAFT MECHANICS	203	7	203	7	-	-	-	-	-	-	-	-
SMALL ENGINE REPAIRERS	12	-	12	-	-	-	-	-	-	-	-	-
AUTOMOBILE BODY AND RELATED REPAIRERS	156	4	156	4	-	-	-	-	-	-	-	-
HEAVY EQUIPMENT MECHANICS	64	-	64	-	-	-	-	-	-	-	-	-
FARM EQUIPMENT MECHANICS	28	-	28	-	-	-	-	-	-	-	-	-
INDUSTRIAL MACHINERY REPAIRERS	498	15	440	6	46	9	6	-	-	-	2	-
MACHINERY MAINTENANCE OCCUPATIONS	82	-	79	-	3	-	-	-	-	-	-	-
ELECTRICAL AND ELECTRONIC EQUIPMENT REPAIRERS	389	46	366	46	21	-	2	-	-	-	9	14
ELECTRONIC REPAIRERS, COMMUNICATIONS AND INDUSTRIAL EQUIPMENT	52	-	50	-	-	-	2	-	-	-	2	-
DATA PROCESSING EQUIPMENT REPAIRERS	78	14	67	14	11	-	-	-	-	-	-	14
HOUSEHOLD APPLIANCE AND POWER TOOL REPAIRERS	58	-	58	-	-	-	-	-	-	-	7	-
TELEPHONE LINE INSTALLERS AND REPAIRERS	54	-	44	-	10	-	-	-	-	-	-	-
TELEPHONE INSTALLERS AND REPAIRERS	134	27	134	27	-	-	-	-	-	-	-	-
MISCELLANEOUS ELECTRICAL AND ELECTRONIC EQUIPMENT REPAIRERS	13	5	13	5	-	-	-	-	-	-	-	-
HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS	145	-	145	-	-	-	-	-	-	-	-	-
MISCELLANEOUS MECHANICS AND REPAIRERS	837	15	764	15	73	-	-	-	-	-	6	-
CAMERA, WATCH, AND MUSICAL INSTRUMENT REPAIRERS	60	6	60	6	-	-	-	-	-	-	-	-
LOCKSMITHS AND SAFE REPAIRERS	29	-	29	-	-	-	-	-	-	-	-	-
OFFICE MACHINE REPAIRERS	40	-	40	-	-	-	-	-	-	-	-	-
MECHANICAL CONTROLS AND VALVE REPAIRERS	12	-	6	-	6	-	-	-	-	-	-	-
ELEVATOR INSTALLERS AND REPAIRERS	28	-	28	-	-	-	-	-	-	-	-	-
MILLWRIGHTS	235	7	211	7	24	-	-	-	-	-	-	-
SPECIFIED MECHANICS AND REPAIRERS, N.E.C.	239	-	215	-	24	-	-	-	-	-	-	-
NOT SPECIFIED MECHANICS AND REPAIRERS	194	2	175	2	19	-	-	-	-	-	6	-
CONSTRUCTION TRADES	3 222	80	3 037	62	143	18	26	-	16	-	8	-
SUPERVISORS; CONSTRUCTION OCCUPATIONS	588	13	563	8	19	5	-	-	6	-	-	-
SUPERVISORS; BRICKMASONS, STONEMASONS, AND TILE SETTERS	2	-	2	-	-	-	-	-	-	-	-	-
SUPERVISORS; CARPENTERS AND RELATED WORKERS	23	-	23	-	-	-	-	-	-	-	-	-
SUPERVISORS; ELECTRICIANS AND POWER TRANSMISSION INSTALLERS	28	-	28	-	-	-	-	-	-	-	-	-
SUPERVISORS; PAINTERS, PAPERHANGERS, AND PLASTERERS	2	-	2	-	-	-	-	-	-	-	-	-
SUPERVISORS; PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	13	-	13	-	-	-	-	-	-	-	-	-
SUPERVISORS; N.E.C.	520	13	495	8	19	5	-	-	6	-	-	-
CONSTRUCTION TRADES, EXCEPT SUPERVISORS	2 634	67	2 474	54	124	13	26	-	10	-	8	-
BRICKMASONS AND STONEMASONS	85	1	69	1	16	-	-	-	-	-	8	-
TILE SETTERS, HARD AND SOFT	19	-	19	-	-	-	-	-	-	-	-	-
CARPET INSTALLERS	48	-	48	-	-	-	-	-	-	-	-	-
CARPENTERS	718	19	706	19	12	-	-	-	-	-	-	-
DRYWALL INSTALLERS	75	-	70	-	5	-	-	-	-	-	-	-
ELECTRICIANS	573	25	522	20	34	5	7	-	10	-	-	-
ELECTRICAL POWER INSTALLERS AND REPAIRERS	17	-	9	-	8	-	-	-	-	-	-	-
PAINTERS, CONSTRUCTION AND MAINTENANCE	381	17	350	9	14	8	17	-	-	-	-	-
PAPERHANGERS	-	-	-	-	-	-	-	-	-	-	-	-
PLASTERERS	10	-	10	-	-	-	-	-	-	-	-	-
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	465	-	444	-	21	-	-	-	-	-	-	-
CONCRETE AND TERRAZZO FINISHERS	32	-	24	-	8	-	-	-	-	-	-	-
GLAZIERS	21	-	21	-	-	-	-	-	-	-	-	-
INSULATION WORKERS	17	-	17	-	-	-	-	-	-	-	-	-
PAVING, SURFACING, AND TAMPING EQUIPMENT OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-
ROOFERS	74	-	72	-	-	-	2	-	-	-	-	-
SHEETMETAL DUCT INSTALLERS	5	-	5	-	-	-	-	-	-	-	-	-
STRUCTURAL METAL WORKERS	14	-	8	-	6	-	-	-	-	-	-	-
DRILLERS, EARTH	6	-	6	-	-	-	-	-	-	-	-	-
CONSTRUCTION TRADES, N.E.C.	74	5	74	5	-	-	-	-	-	-	-	-
EXTRACTIVE OCCUPATIONS	40	-	40	-	-	-	-	-	-	-	-	-
SUPERVISORS, EXTRACTIVE OCCUPATIONS	11	-	11	-	-	-	-	-	-	-	-	-
DRILLERS, OIL WELL	6	-	6	-	-	-	-	-	-	-	-	-
EXPLOSIVES WORKERS	10	-	10	-	-	-	-	-	-	-	-	-
MINING MACHINE OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-
MINING OCCUPATIONS, N.E.C.	13	-	13	-	-	-	-	-	-	-	-	-

(1) PERSONS OF SPANISH ORIGIN MAY BE OF ANY RACE.

TABLE 219. (B) DETAILED OCCUPATION OF EMPLOYED PERSONS BY SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

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ANN ARBOR, MI SMSA

	SMSA											
	TOTAL		WHITE		BLACK		AMERICAN INDIAN, ESKIMO AND ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
PRECISION PRODUCTION OCCUPATIONS	3 641	597	3 347	556	212	30	8	-	63	11	26	10
SUPERVISORS, PRODUCTION OCCUPATIONS	2 001	231	1 790	225	168	6	8	-	27	-	16	-
NONDURABLE GOODS MANUFACTURING	186	69	178	69	-	-	-	-	-	-	8	-
DURABLE GOODS MANUFACTURING	1 432	59	1 260	53	137	6	8	-	27	-	8	-
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	118	6	112	6	6	-	-	-	-	-	-	-
WHOLESALE AND RETAIL TRADE	133	47	133	47	-	-	-	-	-	-	-	-
ALL OTHER INDUSTRIES	132	50	107	50	25	-	-	-	-	-	-	-
PRECISION METALWORKING OCCUPATIONS	909	5	893	-	-	5	-	-	13	-	10	-
TOOL AND DIE MAKERS	458	5	458	-	-	5	-	-	-	-	-	-
PRECISION ASSEMBLERS, METAL	15	-	15	-	-	-	-	-	-	-	-	-
MACHINISTS	291	-	278	-	-	-	-	-	13	-	7	-
BOILERMAKERS	27	-	27	-	-	-	-	-	-	-	-	-
PRECISION GRINDERS, FILERS, AND TOOL SHARPENERS	8	-	8	-	-	-	-	-	-	-	-	-
PATTERNMAKERS AND MODEL MAKERS, METAL	25	-	25	-	-	-	-	-	-	-	-	-
LAY-OUT WORKERS	2	-	2	-	-	-	-	-	-	-	-	-
PRECIOUS STONES AND METALS WORKERS (JEWELERS)	10	-	7	-	-	-	-	-	-	-	3	-
ENGRAVERS, METAL	15	-	15	-	-	-	-	-	-	-	-	-
SHEET METAL WORKERS	58	-	58	-	-	-	-	-	-	-	-	-
MISCELLANEOUS PRECISION METAL WORKERS	-	-	-	-	-	-	-	-	-	-	-	-
PRECISION WOODWORKING OCCUPATIONS	59	18	59	18	-	-	-	-	-	-	-	-
PATTERNMAKERS AND MODEL MAKERS, WOOD	-	-	-	-	-	-	-	-	-	-	-	-
CABINET MAKERS AND BENCH CARPENTERS	43	2	43	2	-	-	-	-	-	-	-	-
FURNITURE AND WOOD FINISHERS	16	16	16	16	-	-	-	-	-	-	-	-
MISCELLANEOUS PRECISION WOODWORKERS	-	-	-	-	-	-	-	-	-	-	-	-
PRECISION TEXTILE, APPAREL, AND FURNISHINGS MACHINE WORKERS	13	93	13	85	-	8	-	-	-	-	-	5
DRESSMAKERS	-	61	-	61	-	-	-	-	-	-	-	5
TAILORS	8	29	8	21	-	8	-	-	-	-	-	-
UPHOLSTERERS	5	3	5	3	-	-	-	-	-	-	-	-
SHOE REPAIRERS	-	-	-	-	-	-	-	-	-	-	-	-
APPAREL AND FABRIC PATTERNMAKERS	-	-	-	-	-	-	-	-	-	-	-	-
MISCELLANEOUS PRECISION APPAREL AND FABRIC WORKERS	-	-	-	-	-	-	-	-	-	-	-	-
PRECISION WORKERS, ASSORTED MATERIALS	175	172	151	161	16	11	-	-	8	-	-	-
HAND MOLDERS AND SHAPERS, EXCEPT JEWELERS	30	-	23	-	7	-	-	-	-	-	-	-
PATTERNMAKERS, LAY-OUT WORKERS, AND CUTTERS	7	8	7	8	-	-	-	-	-	-	-	-
OPTICAL GOODS WORKERS	33	14	33	14	-	-	-	-	-	-	-	-
DENTAL LABORATORY AND MEDICAL APPLIANCE TECHNICIANS	29	49	29	49	-	-	-	-	-	-	-	-
BOOKBINDERS	23	52	15	41	-	11	-	-	8	-	-	-
ELECTRICAL AND ELECTRONIC EQUIPMENT ASSEMBLERS	14	44	14	44	-	-	-	-	-	-	-	-
MISCELLANEOUS PRECISION WORKERS, N.E.C.	39	5	30	5	9	-	-	-	-	-	-	-
PRECISION FOOD PRODUCTION OCCUPATIONS	145	42	140	36	5	-	-	-	-	6	-	5
BUTCHERS AND MEAT CUTTERS	97	-	97	-	-	-	-	-	-	-	-	-
BAKERS	36	36	31	30	5	-	-	-	-	6	-	5
FOOD BATCHMAKERS	12	6	12	6	-	-	-	-	-	-	-	-
PRECISION INSPECTORS, TESTERS, AND RELATED WORKERS	137	18	126	18	7	-	-	-	4	-	-	-
INSPECTORS, TESTERS, AND GRADERS	137	18	126	18	7	-	-	-	4	-	-	-
ADJUSTERS AND CALIBRATORS	-	-	-	-	-	-	-	-	-	-	-	-
PLANT AND SYSTEM OPERATORS	202	18	175	13	16	-	-	-	11	5	-	-
WATER AND SEWAGE TREATMENT PLANT OPERATORS	61	2	45	2	16	-	-	-	-	-	-	-
POWER PLANT OPERATORS	50	5	45	-	-	-	-	-	5	5	-	-
STATIONARY ENGINEERS	73	11	67	11	-	-	-	-	6	-	-	-
MISCELLANEOUS PLANT AND SYSTEM OPERATORS	18	-	18	-	-	-	-	-	-	-	-	-
OPERATORS, FABRICATORS, AND LABORERS	12 846	4 978	11 086	4 171	1 594	710	39	12	82	63	153	49
MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS	7 973	4 007	6 725	3 289	1 134	631	25	2	58	63	116	44
MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION	4 223	1 427	3 708	1 259	477	129	6	-	21	36	66	23
METALWORKING AND PLASTIC WORKING MACHINE OPERATORS	1 722	180	1 490	148	226	29	6	-	-	3	25	6
LATHE AND TURNING MACHINE SET-UP OPERATORS	322	-	295	-	27	-	-	-	-	-	-	-
LATHE AND TURNING MACHINE OPERATORS	193	12	193	12	-	-	-	-	-	-	-	-
MILLING AND PLANING MACHINE OPERATORS	34	-	34	-	-	-	-	-	-	-	-	-
PUNCHING AND STAMPING PRESS MACHINE OPERATORS	309	84	238	61	71	20	-	-	-	3	11	6
ROLLING MACHINE OPERATORS	22	5	22	5	-	-	-	-	-	-	-	-
DRILLING AND BORING MACHINE OPERATORS	117	9	100	4	17	5	-	-	-	-	-	-
GRINDING, ABRADING, BUFFING, AND POLISHING MACHINE OPERATORS	575	51	478	47	91	4	6	-	-	-	14	-
FORGING MACHINE OPERATORS	2	-	2	-	-	-	-	-	-	-	-	-
NUMERICAL CONTROL MACHINE OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-
MISCELLANEOUS METAL, PLASTIC, STONE, AND GLASS WORKING MACHINE OPERATORS	148	19	128	19	20	-	-	-	-	-	-	-

(1) PERSONS OF SPANISH ORIGIN MAY BE OF ANY RACE.

TABLE 219. (B) DETAILED OCCUPATION OF EMPLOYED PERSONS BY SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

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ANN ARBOR, MI SMSA

	SMSA											
	TOTAL		WHITE		BLACK		AMERICAN INDIAN, ESKIMO AND ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
FABRICATING MACHINE OPERATORS, N.E.C.	44	-	44	-	-	-	-	-	-	-	-	-
METAL AND PLASTIC PROCESSING MACHINE OPERATORS	107	81	99	69	8	12	-	-	-	-	-	-
MOLDING AND CASTING MACHINE OPERATORS	65	73	57	61	8	12	-	-	-	-	-	-
METAL PLATING MACHINE OPERATORS	30	8	30	8	-	-	-	-	-	-	-	-
HEAT TREATING EQUIPMENT OPERATORS	12	-	12	-	-	-	-	-	-	-	-	-
MISCELLANEOUS METAL AND PLASTIC PROCESSING MACHINE OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-
WOODWORKING MACHINE OPERATORS	43	5	29	5	14	-	-	-	-	-	-	-
WOOD LATHE, ROUTING, AND PLANING MACHINE OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-
SAWING MACHINE OPERATORS	2	-	2	-	-	-	-	-	-	-	-	-
SHAPING AND JOINING MACHINE OPERATORS	6	-	-	-	6	-	-	-	-	-	-	-
NAILING AND TACKING MACHINE OPERATORS	-	5	-	5	-	-	-	-	-	-	-	-
MISCELLANEOUS WOODWORKING MACHINE OPERATORS	35	-	27	-	8	-	-	-	-	-	-	-
PRINTING MACHINE OPERATORS	382	305	376	279	-	26	-	-	-	-	21	6
PRINTING MACHINE OPERATORS	311	91	311	71	-	20	-	-	-	-	15	-
PHOTOENGRAVERS AND LITHOGRAPHERS	9	41	9	41	-	-	-	-	-	-	-	-
TYPESETTERS AND COMPOSITORS	29	110	29	110	-	-	-	-	-	-	-	-
MISCELLANEOUS PRINTING MACHINE OPERATORS	33	63	27	57	-	6	-	-	-	-	6	6
TEXTILE, APPAREL, AND FURNISHINGS MACHINE OPERATORS	103	182	88	154	11	19	-	-	4	6	5	3
WINDING AND TWISTING MACHINE OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-
KNITTING, LOOPING, TAPING, AND WEAVING MACHINE OPERATORS	4	5	4	5	-	-	-	-	-	-	-	-
TEXTILE CUTTING MACHINE OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-
TEXTILE SEWING MACHINE OPERATORS	-	20	-	18	-	2	-	-	-	-	-	-
SHOE MACHINE OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-
PRESSING MACHINE OPERATORS	6	60	-	54	6	6	-	-	-	-	-	-
LAUNDERING AND DRY CLEANING MACHINE OPERATORS	91	94	82	74	5	11	-	-	4	6	5	3
MISCELLANEOUS TEXTILE MACHINE OPERATORS	2	3	2	3	-	-	-	-	-	-	-	-
MACHINE OPERATORS, ASSORTED MATERIALS	1 822	674	1 582	604	218	43	-	-	17	27	15	8
CEMENTING AND GLUING MACHINE OPERATORS	13	20	6	20	7	-	-	-	-	-	-	-
PACKAGING AND FILLING MACHINE OPERATORS	17	17	17	17	-	-	-	-	-	-	-	-
EXTRUDING AND FORMING MACHINE OPERATORS	17	-	17	-	-	-	-	-	-	-	-	-
MIXING AND BLENDING MACHINE OPERATORS	49	-	43	-	6	-	-	-	-	-	4	-
SEPARATING, FILTERING, AND CLARIFYING MACHINE OPERATORS	14	-	14	-	-	-	-	-	-	-	-	-
COMPRESSING AND COMPACTING MACHINE OPERATORS	-	22	-	22	-	-	-	-	-	-	-	-
PAINTING AND PAINT SPRAYING MACHINE OPERATORS	261	61	235	55	26	6	-	-	-	-	-	-
ROASTING AND BAKING MACHINE OPERATORS, FOOD	-	-	-	-	-	-	-	-	-	-	-	-
WASHING, CLEANING, AND PICKLING MACHINE OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-
FOLDING MACHINE OPERATORS	42	23	42	23	-	-	-	-	-	-	-	-
FURNACE, KILN, AND OVEN OPERATORS, EXCEPT FOOD	114	-	107	-	7	-	-	-	-	-	-	-
CRUSHING AND GRINDING MACHINE OPERATORS	8	-	2	-	6	-	-	-	-	-	-	-
SLICING AND CUTTING MACHINE OPERATORS	71	42	59	36	5	6	-	-	7	-	-	-
MOTION PICTURE PROJECTIONISTS	38	20	38	11	-	-	-	-	-	9	-	-
PHOTOGRAPHIC PROCESS MACHINE OPERATORS	30	68	30	68	-	-	-	-	-	-	-	-
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS	1 148	401	972	352	161	31	-	-	10	18	11	8
OCCUPATION:												
MISCELLANEOUS MACHINE OPERATORS, N.E.C.	269	217	230	190	34	27	-	-	5	-	-	-
MACHINE OPERATORS, NOT SPECIFIED	879	184	742	162	127	4	-	-	5	18	11	8
INDUSTRY:												
MANUFACTURING	1 057	355	893	306	149	31	-	-	10	18	11	8
NONDURABLE GOODS	124	100	98	100	26	-	-	-	-	-	-	-
FOOD AND KINDRED PRODUCTS	31	2	23	2	8	-	-	-	-	-	-	-
TOBACCO MANUFACTURES	-	-	-	-	-	-	-	-	-	-	-	-
TEXTILE MILL PRODUCTS	-	-	-	-	-	-	-	-	-	-	-	-
APPAREL AND OTHER FINISHED TEXTILE PRODUCTS	5	5	5	5	-	-	-	-	-	-	-	-
PAPER AND ALLIED PRODUCTS	22	12	15	12	7	-	-	-	-	-	-	-
PRINTING, PUBLISHING, AND ALLIED INDUSTRIES	29	50	29	50	-	-	-	-	-	-	-	-
CHEMICALS AND ALLIED PRODUCTS	25	-	14	-	11	-	-	-	-	-	-	-
PETROLEUM AND COAL PRODUCTS	-	-	-	-	-	-	-	-	-	-	-	-
RUBBER AND MISCELLANEOUS PLASTICS PRODUCTS	12	31	12	31	-	-	-	-	-	-	-	-
LEATHER AND LEATHER PRODUCTS	-	-	-	-	-	-	-	-	-	-	-	-
DURABLE GOODS	908	255	778	206	115	31	-	-	10	18	11	8
LUMBER AND WOOD PRODUCTS, EXCEPT FURNITURE	10	-	10	-	-	-	-	-	-	-	-	-
FURNITURE AND FIXTURES	-	7	-	7	-	-	-	-	-	-	-	-
STONE, CLAY, GLASS, AND CONCRETE PRODUCTS	14	-	14	-	-	-	-	-	-	-	-	-
PRIMARY METAL INDUSTRIES	20	6	20	-	-	6	-	-	-	-	-	-
BLAST FURNACES, STEELWORKS, ROLLING AND FINISHING MILLS	12	6	12	-	-	6	-	-	-	-	-	-

(1) PERSONS OF SPANISH ORIGIN MAY BE OF ANY RACE.

TABLE 219. (B) DETAILED OCCUPATION OF EMPLOYED PERSONS BY SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

[DATA ARE ESTIMATES BASED ON A SAMPLE; SEE INTRODUCTION. FOR MEANING OF SYMBOLS, SEE INTRODUCTION. FOR DEFINITIONS OF TERMS, SEE APPENDIXES A AND B]

ANN ARBOR, MI SMSA

	SMSA											
	TOTAL		WHITE		BLACK		AMERICAN INDIAN, ESKIMO AND ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS-CON. INDUSTRY-CON.												
FABRICATED METAL INDUSTRIES	63	33	63	33	-	-	-	-	-	-	-	-
MACHINERY, EXCEPT ELECTRICAL	131	30	118	24	13	-	-	-	-	6	6	-
ELECTRICAL MACHINERY, EQUIPMENT, AND SUPPLIES	25	18	18	18	7	-	-	-	-	-	-	-
TRANSPORTATION EQUIPMENT	619	159	514	122	95	25	-	-	5	12	5	8
MOTOR VEHICLES AND MOTOR VEHICLE EQUIPMENT	612	159	507	122	95	25	-	-	5	12	5	8
OTHER TRANSPORTATION EQUIPMENT	7	-	7	-	-	-	-	-	-	-	-	-
PROFESSIONAL AND PHOTOGRAPHIC EQUIPMENT, AND WATCHES	15	-	15	-	-	-	-	-	-	-	-	-
MISCELLANEOUS MANUFACTURING INDUSTRIES	11	2	6	2	-	-	-	-	5	-	-	-
NOT SPECIFIED MANUFACTURING INDUSTRIES	25	-	17	-	8	-	-	-	-	-	-	-
NONMANUFACTURING INDUSTRIES	91	46	79	46	12	-	-	-	-	-	-	-
CONSTRUCTION	19	-	19	-	-	-	-	-	-	-	-	-
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	17	6	10	6	7	-	-	-	-	-	-	-
WHOLESALE TRADE	5	1	5	1	-	-	-	-	-	-	-	-
RETAIL TRADE	4	10	4	10	-	-	-	-	-	-	-	-
BUSINESS AND REPAIR SERVICES	2	2	2	2	-	-	-	-	-	-	-	-
PUBLIC ADMINISTRATION	5	-	-	-	5	-	-	-	-	-	-	-
ALL OTHER INDUSTRIES	39	27	39	27	-	-	-	-	-	-	-	-
FABRICATORS, ASSEMBLERS, AND HAND WORKING OCCUPATIONS	2 811	2 055	2 194	1 567	560	440	12	2	25	27	44	21
WELDERS AND CUTTERS	474	68	376	55	92	13	-	-	-	-	11	-
SOLDERERS AND BRAZERS	4	-	4	-	-	-	-	-	-	-	-	-
ASSEMBLERS	2 316	1 950	1 797	1 475	468	427	12	2	25	27	33	21
HAND CUTTING AND TRIMMING OCCUPATIONS	11	-	11	-	-	-	-	-	-	-	-	-
HAND MOLDING, CASTING, AND FORMING OCCUPATIONS	4	29	4	29	-	-	-	-	-	-	-	-
HAND PAINTING, COATING AND DECORATING OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-
HAND ENGRAVING AND PRINTING OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-
HAND GRINDING AND POLISHING OCCUPATIONS	-	2	-	2	-	-	-	-	-	-	-	-
MISCELLANEOUS HAND WORKING OCCUPATIONS	2	6	2	6	-	-	-	-	-	-	-	-
PRODUCTION INSPECTORS, TESTERS, SAMPLERS, AND WEIGHERS	939	525	823	463	97	62	7	-	12	-	6	-
PRODUCTION INSPECTORS, CHECKERS, AND EXAMINERS	837	462	727	400	97	62	7	-	6	-	6	-
PRODUCTION TESTERS	72	43	66	43	-	-	-	-	6	-	-	-
PRODUCTION SAMPLERS AND WEIGHERS	-	-	-	-	-	-	-	-	-	-	-	-
GRADERS AND SORTERS, EXCEPT AGRICULTURAL	30	20	30	20	-	-	-	-	-	-	-	-
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	2 679	500	2 382	432	275	58	7	10	7	-	31	-
MOTOR VEHICLE OPERATORS	1 908	450	1 714	393	187	47	7	10	-	-	14	-
SUPERVISORS, MOTOR VEHICLE OPERATORS	18	-	13	-	5	-	-	-	-	-	-	-
TRUCK DRIVERS, HEAVY	919	63	818	63	94	-	7	-	-	-	7	-
TRUCK DRIVERS, LIGHT	395	31	389	19	6	12	-	-	-	-	-	-
DRIVER-SALES WORKERS	147	-	140	-	7	-	-	-	-	-	-	-
BUS DRIVERS	224	275	164	241	60	29	-	5	-	-	-	-
TAXICAB DRIVERS AND CHAUFFEURS	182	63	167	52	15	6	-	5	-	-	7	-
PARKING LOT ATTENDANTS	23	18	23	18	-	-	-	-	-	-	-	-
MOTOR TRANSPORTATION OCCUPATIONS, N.E.C.	-	-	-	-	-	-	-	-	-	-	-	-
RAIL TRANSPORTATION OCCUPATIONS	24	6	24	6	-	-	-	-	-	-	-	-
RAILROAD CONDUCTORS AND YARDMASTERS	-	6	-	6	-	-	-	-	-	-	-	-
LOCOMOTIVE OPERATING OCCUPATIONS	6	-	6	-	-	-	-	-	-	-	-	-
RAILROAD BRAKE, SIGNAL, AND SWITCH OPERATORS	18	-	18	-	-	-	-	-	-	-	-	-
RAIL VEHICLE OPERATORS, N.E.C.	-	-	-	-	-	-	-	-	-	-	-	-
WATER TRANSPORTATION OCCUPATIONS	7	-	7	-	-	-	-	-	-	-	-	-
SHIP CAPTAINS AND MATES, EXCEPT FISHING BOATS	7	-	7	-	-	-	-	-	-	-	-	-
SAILORS AND DECKHANDS	-	-	-	-	-	-	-	-	-	-	-	-
MARINE ENGINEERS	-	-	-	-	-	-	-	-	-	-	-	-
BRIDGE, LOCK, AND LIGHTHOUSE TENDERS	-	-	-	-	-	-	-	-	-	-	-	-
MATERIAL MOVING EQUIPMENT OPERATORS	740	44	637	33	88	11	-	-	7	-	17	-
SUPERVISORS, MATERIAL MOVING EQUIPMENT OPERATORS	33	-	23	-	10	-	-	-	-	-	-	-
OPERATING ENGINEERS	135	-	123	-	12	-	-	-	-	-	9	-
LONGSHORE EQUIPMENT OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-
HOIST AND WINCH OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-
CRANE AND TOWER OPERATORS	71	9	61	9	10	-	-	-	-	-	-	-
EXCAVATING AND LOADING MACHINE OPERATORS	2	-	2	-	-	-	-	-	-	-	-	-
GRADER, DOZER, AND SCRAPER OPERATORS	6	-	6	-	-	-	-	-	-	-	-	-
INDUSTRIAL TRUCK AND TRACTOR EQUIPMENT OPERATORS	396	28	340	21	48	7	-	-	-	-	8	-
MISCELLANEOUS MATERIAL MOVING EQUIPMENT OPERATORS	97	7	82	3	8	4	-	-	7	-	-	-

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TABLE 219. (B) DETAILED OCCUPATION OF EMPLOYED PERSONS BY SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

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ANN ARBOR, MI SMSA

	SMSA											
	TOTAL		WHITE		BLACK		AMERICAN INDIAN, ESKIMO AND ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS	2 194	471	1 979	450	185	21	7	-	17	-	6	5
SUPERVISORS; HANDLERS, EQUIPMENT CLEANERS, AND LABORERS, N.E.C.	10	-	10	-	-	-	-	-	-	-	-	-
HELPERS, MECHANICS AND REPAIRERS	29	-	21	-	8	-	-	-	-	-	-	-
HELPERS, CONSTRUCTION AND EXTRACTIVE OCCUPATIONS	58	6	58	6	-	-	-	-	-	-	-	-
HELPERS, CONSTRUCTION TRADES	50	6	50	6	-	-	-	-	-	-	-	-
HELPERS, SURVEYOR	8	-	8	-	-	-	-	-	-	-	-	-
HELPERS, EXTRACTIVE OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-
CONSTRUCTION LABORERS	301	-	270	-	31	-	-	-	-	-	-	-
PRODUCTION HELPERS	22	14	22	14	-	-	-	-	-	-	-	-
FREIGHT, STOCK, AND MATERIAL HANDLERS	912	172	831	167	71	5	-	-	10	-	-	5
GARBAGE COLLECTORS	22	-	11	-	11	-	-	-	-	-	-	-
STEVEDORES	-	-	-	-	-	-	-	-	-	-	-	-
STOCK HANDLERS AND BAGGERS	621	150	557	145	54	5	-	-	10	-	-	-
MACHINE FEEDERS AND OFFBEARERS	16	5	16	5	-	-	-	-	-	-	-	-
FREIGHT, STOCK, AND MATERIAL HANDLERS, N.E.C.	253	17	247	17	6	-	-	-	-	-	-	5
GARAGE AND SERVICE STATION RELATED OCCUPATIONS	302	17	282	17	10	-	3	-	7	-	-	-
VEHICLE WASHERS AND EQUIPMENT CLEANERS	78	5	71	5	7	-	-	-	-	-	-	-
HAND PACKERS AND PACKAGERS	122	157	92	155	24	2	-	-	-	-	6	-
LABORERS, EXCEPT CONSTRUCTION	360	100	322	86	34	14	4	-	-	-	-	-
MANUFACTURING	137	61	109	47	28	14	-	-	-	-	-	-
NONDURABLE GOODS	20	19	13	11	7	8	-	-	-	-	-	-
FOOD AND KINDRED PRODUCTS	9	5	9	5	-	-	-	-	-	-	-	-
TEXTILE MILL AND FINISHED TEXTILE PRODUCTS	-	-	-	-	-	-	-	-	-	-	-	-
PAPER AND ALLIED PRODUCTS	7	14	-	6	7	8	-	-	-	-	-	-
CHEMICALS AND ALLIED PRODUCTS	2	-	2	-	-	-	-	-	-	-	-	-
RUBBER AND MISCELLANEOUS PLASTICS PRODUCTS	2	-	2	-	-	-	-	-	-	-	-	-
OTHER NONDURABLE GOODS	-	-	-	-	-	-	-	-	-	-	-	-
DURABLE GOODS	117	42	96	36	21	6	-	-	-	-	-	-
FURNITURE, LUMBER, AND WOOD PRODUCTS	2	-	2	-	-	-	-	-	-	-	-	-
STONE, CLAY, GLASS, AND CONCRETE PRODUCTS	-	-	-	-	-	-	-	-	-	-	-	-
PRIMARY METAL INDUSTRIES	8	-	3	-	5	-	-	-	-	-	-	-
FABRICATED METAL INDUSTRIES	23	1	23	1	-	-	-	-	-	-	-	-
MACHINERY, EXCEPT ELECTRICAL	9	6	9	6	-	-	-	-	-	-	-	-
ELECTRICAL MACHINERY, EQUIPMENT, AND SUPPLIES	-	2	-	2	-	-	-	-	-	-	-	-
TRANSPORTATION EQUIPMENT	71	33	55	27	16	6	-	-	-	-	-	-
MOTOR VEHICLES AND MOTOR VEHICLE EQUIPMENT	71	28	55	22	16	6	-	-	-	-	-	-
OTHER DURABLE GOODS	4	-	4	-	-	-	-	-	-	-	-	-
NOT SPECIFIED MANUFACTURING INDUSTRIES	-	-	-	-	-	-	-	-	-	-	-	-
NONMANUFACTURING INDUSTRIES	223	39	213	39	6	-	4	-	-	-	-	-
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	48	-	48	-	-	-	-	-	-	-	-	-
WHOLESALE TRADE	36	14	36	14	-	-	-	-	-	-	-	-
RETAIL TRADE	53	6	53	6	-	-	-	-	-	-	-	-
BUSINESS AND REPAIR SERVICES	24	6	20	6	-	-	4	-	-	-	-	-
PUBLIC ADMINISTRATION	23	-	17	-	6	-	-	-	-	-	-	-
ALL OTHER INDUSTRIES	39	13	39	13	-	-	-	-	-	-	-	-

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DETROIT, MI SMSA

	SMSA											
	TOTAL		WHITE		BLACK		AMERICAN INDIAN, ESKIMO AND ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
EMPLOYED PERSONS 16 YEARS AND OVER	1 032 327	740 233	882 410	593 531	133 299	135 547	3 109	1 845	8 894	6 452	14 041	9 338
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS	246 344	151 918	223 752	124 187	16 876	24 257	385	325	4 776	2 738	2 180	1 485
EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS	125 932	51 229	116 090	43 087	8 309	7 573	213	125	1 057	311	1 008	372
LEGISLATORS, CHIEF EXECUTIVES AND GENERAL ADMINISTRATORS; PUBLIC ADMINISTRATION	672	222	521	139	127	83	7	-	-	-	12	-
ADMINISTRATORS AND OFFICIALS, PUBLIC ADMINISTRATION	2 240	1 474	1 812	1 029	402	437	14	8	12	-	23	10
FEDERAL	730	365	608	232	113	133	9	-	-	-	-	-
STATE	419	338	311	183	103	147	5	8	-	-	16	5
LOCAL	1 091	771	893	614	186	157	-	-	12	-	7	5
ADMINISTRATORS, PROTECTIVE SERVICES	249	61	231	61	18	-	-	-	-	-	12	-
FINANCIAL MANAGERS	5 309	2 828	4 966	2 548	283	261	-	-	55	9	-	24
PERSONNEL AND LABOR RELATIONS MANAGERS	3 081	1 379	2 767	1 119	259	242	-	13	41	5	53	6
PURCHASING MANAGERS	1 174	249	1 140	228	19	21	-	-	15	-	13	-
MANAGERS, MARKETING, ADVERTISING, AND PUBLIC RELATIONS	12 091	2 483	11 571	2 296	393	174	9	-	95	9	94	11
ADMINISTRATORS, EDUCATION AND RELATED FIELDS	3 518	2 041	2 991	1 423	505	614	-	-	20	4	33	21
MANAGERS, MEDICINE AND HEALTH	1 031	972	846	734	178	209	-	8	7	21	5	-
MANAGERS, PROPERTIES AND REAL ESTATE	1 555	1 062	1 399	849	139	213	17	-	-	-	-	-
POSTMASTERS AND MAIL SUPERINTENDENTS	116	35	109	35	5	-	-	-	-	-	-	4
FUNERAL DIRECTORS	552	53	466	48	86	5	-	-	-	-	-	-
MANAGERS AND ADMINISTRATORS, N.E.C., SALARIED	55 575	19 078	52 074	16 911	2 837	1 994	87	62	429	84	480	111
CONSTRUCTION	2 676	303	2 577	265	82	38	6	-	-	-	-	-
MANUFACTURING	20 428	1 977	19 736	1 869	502	95	29	-	144	13	146	2
NONDURABLE GOODS	3 704	570	3 515	523	140	34	23	-	20	13	29	-
DURABLE GOODS	16 724	1 407	16 221	1 346	362	61	6	-	124	-	117	2
TRANSPORTATION	2 271	404	2 163	384	87	20	-	-	11	-	31	6
COMMUNICATIONS, UTILITIES AND SANITARY SERVICES	1 335	634	1 193	501	127	133	-	-	15	-	-	-
WHOLESALE TRADE	4 626	976	4 466	916	103	60	13	-	39	-	5	6
RETAIL TRADE	10 519	5 835	9 675	5 361	690	419	12	19	100	36	146	29
GENERAL MERCHANDISE STORES	792	539	695	492	84	47	-	-	13	-	13	-
FOOD, BAKERY, AND DAIRY STORES	1 060	306	988	295	72	-	-	-	-	11	-	-
AUTOMOTIVE DEALERS AND GASOLINE STATIONS	1 277	373	1 259	367	11	-	-	-	7	6	12	-
EATING AND DRINKING PLACES	4 529	2 864	4 071	2 517	369	322	6	6	60	19	88	29
OTHER RETAIL TRADE	2 861	1 753	2 662	1 690	154	50	6	13	20	-	33	-
FINANCE, INSURANCE, AND REAL ESTATE	2 784	1 508	2 621	1 355	135	141	-	-	21	12	28	5
BUSINESS AND REPAIR SERVICES	3 176	1 203	3 004	1 096	146	102	-	5	20	-	21	11
PERSONAL SERVICES	1 037	594	896	474	120	90	5	13	-	4	27	13
ALL OTHER INDUSTRIES	6 723	5 644	5 743	4 690	845	896	22	25	79	19	76	39
MANAGERS AND ADMINISTRATORS, N.E.C., SELF-EMPLOYED	5 611	1 776	5 092	1 576	387	133	8	7	124	48	52	11
CONSTRUCTION	692	22	623	16	69	-	-	-	-	-	-	-
MANUFACTURING	666	68	641	65	25	3	-	-	-	-	7	-
NONDURABLE GOODS	268	43	243	40	25	3	-	-	-	-	7	-
DURABLE GOODS	398	25	398	25	-	-	-	-	-	-	-	-
TRANSPORTATION	139	22	134	22	5	-	-	-	-	-	7	-
COMMUNICATIONS, UTILITIES AND SANITARY SERVICES	27	6	19	6	8	-	-	-	-	-	-	-
WHOLESALE TRADE	172	73	150	73	22	-	-	-	-	-	-	-
RETAIL TRADE	2 384	942	2 102	819	162	68	8	7	112	48	15	5
GENERAL MERCHANDISE STORES	22	2	16	2	6	-	-	-	-	-	-	-
FOOD, BAKERY, AND DAIRY STORES	261	79	204	71	41	8	-	-	16	-	9	-
AUTOMOTIVE DEALERS AND GASOLINE STATIONS	76	5	65	5	11	-	-	-	-	-	-	-
EATING AND DRINKING PLACES	1 546	604	1 380	506	84	50	-	-	82	48	6	-
OTHER RETAIL TRADE	479	252	437	235	20	10	8	7	14	-	-	5
FINANCE, INSURANCE, AND REAL ESTATE	185	34	174	34	11	-	-	-	-	-	-	-
BUSINESS AND REPAIR SERVICES	505	126	487	119	18	7	-	-	-	-	8	-
PERSONAL SERVICES	436	215	383	184	47	31	-	-	6	-	8	-
ALL OTHER INDUSTRIES	405	268	379	238	20	24	-	-	6	-	7	6
MANAGEMENT RELATED OCCUPATIONS	33 158	17 516	30 105	14 091	2 671	3 187	71	27	259	131	231	174
ACCOUNTANTS AND AUDITORS	14 282	7 387	13 201	6 020	832	1 220	32	6	203	104	99	77
UNDERWRITERS	142	138	128	132	14	6	-	-	-	-	-	-
OTHER FINANCIAL OFFICERS	3 734	2 584	3 477	2 183	223	381	-	-	13	15	28	5
MANAGEMENT ANALYSTS	1 308	465	1 226	384	72	81	10	-	-	-	-	-
PERSONNEL, TRAINING, AND LABOR RELATIONS SPECIALISTS	5 935	4 008	5 136	2 864	756	1 094	14	13	25	12	28	73
PURCHASING AGENTS AND BUYERS, FARM PRODUCTS	22	5	22	5	-	-	-	-	-	-	-	-
BUYERS, WHOLESALE AND RETAIL TRADE EXCEPT FARM PRODUCTS	1 405	1 053	1 385	987	14	54	-	8	6	-	23	4
PURCHASING AGENTS AND BUYERS, N.E.C.	3 013	1 092	2 876	921	132	162	-	-	-	-	14	15
BUSINESS AND PROMOTION AGENTS	238	116	182	116	56	-	-	-	-	-	-	-
CONSTRUCTION INSPECTORS	926	8	773	8	139	-	7	-	7	-	-	-
INSPECTORS AND COMPLIANCE OFFICERS, EXC. CONSTRUCTION	1 877	417	1 448	272	408	145	8	-	5	-	39	-
MANAGEMENT RELATED OCCUPATIONS, N.E.C.	276	243	251	199	25	44	-	-	-	-	-	-
PROFESSIONAL SPECIALTY OCCUPATIONS	120 412	100 689	107 662	81 100	8 567	16 684	172	200	3 719	2 427	1 172	1 113
ENGINEERS, ARCHITECTS, AND SURVEYORS	39 007	1 610	35 969	1 330	1 495	221	44	-	1 429	59	308	17
ARCHITECTS	1 623	93	1 507	89	63	4	-	-	46	-	33	7
ENGINEERS	37 149	1 493	34 232	1 217	1 432	217	44	-	1 378	59	270	10
AEROSPACE	239	-	226	-	13	-	-	-	-	-	5	-
METALLURGICAL AND MATERIALS	951	32	906	32	30	-	-	-	10	-	5	-
MINING	10	10	10	10	-	-	-	-	-	-	-	-
PETROLEUM	22	-	17	-	5	-	-	-	-	-	-	-
CHEMICAL	817	58	764	48	14	-	-	-	39	10	15	-
NUCLEAR	49	9	43	9	6	-	-	-	-	-	-	-
CIVIL	2 459	102	2 099	76	171	12	-	-	184	14	29	-
AGRICULTURAL	132	-	112	-	8	-	-	-	12	-	-	-
ELECTRICAL AND ELECTRONIC	3 827	227	3 507	196	175	31	-	-	137	-	19	-
INDUSTRIAL	5 216	311	4 914	266	185	45	5	-	99	-	46	10
MECHANICAL	18 318	504	16 963	390	671	79	27	-	643	35	111	-
MARINE AND NAVAL ARCHITECTS	174	-	151	-	-	-	-	-	23	-	-	-
ENGINEERS, N.E.C.	4 935	240	4 520	190	154	50	12	-	231	-	40	-
SURVEYORS AND MAPPING SCIENTISTS	235	24	230	24	-	-	-	-	5	-	5	-

(1) PERSONS OF SPANISH ORIGIN MAY BE OF ANY RACE.

TABLE 219. (B) DETAILED OCCUPATION OF EMPLOYED PERSONS BY SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

[DATA ARE ESTIMATES BASED ON A SAMPLE; SEE INTRODUCTION. FOR MEANING OF SYMBOLS, SEE INTRODUCTION. FOR DEFINITIONS OF TERMS, SEE APPENDIXES A AND B]

DETROIT, MI SMSA

	SMSA											
	TOTAL		WHITE		BLACK		AMERICAN INDIAN, ESKIMO AND ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
MATHEMATICAL AND COMPUTER SCIENTISTS	5 681	1 920	5 155	1 663	308	227	13	-	200	20	43	29
COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS	3 563	1 014	3 233	858	167	149	-	-	163	7	26	19
OPERATIONS AND SYSTEMS RESEARCHERS AND ANALYSTS	1 666	623	1 502	534	123	66	13	-	23	13	11	10
ACTUARIES	102	20	102	20	-	-	-	-	-	-	-	-
STATISTICIANS	345	263	313	251	18	12	-	-	14	-	6	-
MATHEMATICAL SCIENTISTS, N.E.C.	5	-	5	-	-	-	-	-	-	-	-	-
NATURAL SCIENTISTS	2 383	816	2 014	656	187	75	4	-	178	72	19	21
PHYSICISTS AND ASTRONOMERS	112	-	100	-	-	-	-	-	12	-	-	-
CHEMISTS, EXCEPT BIOCHEMISTS	1 539	316	1 257	235	160	29	-	-	122	39	6	21
ATMOSPHERIC AND SPACE SCIENTISTS	39	52	39	52	-	-	-	-	-	-	-	-
GEOLOGISTS AND GEODESISTS	36	10	31	10	-	-	-	-	5	-	-	-
PHYSICAL SCIENTISTS, N.E.C.	65	18	65	18	-	-	-	-	-	-	-	-
AGRICULTURAL AND FOOD SCIENTISTS	69	52	69	52	-	-	-	-	-	-	-	-
BIOLOGICAL AND LIFE SCIENTISTS	291	175	269	151	7	9	-	-	15	15	-	-
FORESTRY AND CONSERVATION SCIENTISTS	75	33	71	33	-	-	4	-	-	-	-	-
MEDICAL SCIENTISTS	157	160	113	105	20	37	-	-	24	18	13	-
HEALTH DIAGNOSING OCCUPATIONS	11 905	1 724	9 821	1 032	606	207	7	12	1 421	473	227	24
PHYSICIANS	8 083	1 452	6 168	789	489	185	-	5	1 376	473	227	24
DENTISTS	2 598	141	2 458	112	102	22	7	7	31	-	-	-
VETERINARIANS	425	46	408	46	3	-	-	-	14	-	-	-
OPTOMETRISTS	349	43	349	43	-	-	-	-	-	-	-	-
PODIATRISTS	181	6	181	6	-	-	-	-	-	-	-	-
HEALTH DIAGNOSING PRACTITIONERS, N.E.C.	269	36	257	36	12	-	-	-	-	-	-	-
HEALTH ASSESSMENT AND TREATING OCCUPATIONS	4 561	25 598	3 876	20 866	517	3 233	6	32	153	1 399	92	310
REGISTERED NURSES	847	21 064	632	17 203	162	2 529	6	19	47	1 257	18	278
PHARMACISTS	2 284	681	2 151	567	86	99	-	-	47	15	7	6
DIETITIANS	66	1 064	45	775	21	250	-	-	-	39	8	7
THERAPISTS	1 028	2 542	808	2 123	197	337	-	13	23	57	31	19
INHALATION THERAPISTS	490	600	392	451	93	144	-	-	5	-	10	6
OCCUPATIONAL THERAPISTS	39	508	27	474	12	29	-	-	-	5	-	-
PHYSICAL THERAPISTS	163	452	131	376	20	31	-	7	12	31	6	7
SPEECH THERAPISTS	74	463	66	400	8	63	-	-	-	-	-	-
THERAPISTS, N.E.C.	262	519	192	422	64	70	-	6	6	21	15	6
PHYSICIANS' ASSISTANTS	336	247	240	198	51	18	-	-	36	31	28	-
TEACHERS, POSTSECONDARY	3 203	2 520	2 825	2 136	217	327	6	5	125	52	68	56
BIOLOGICAL SCIENCE TEACHERS	20	28	20	28	-	-	-	-	-	-	-	-
CHEMISTRY TEACHERS	70	17	70	12	-	-	-	-	-	5	-	-
PHYSICS TEACHERS	31	15	31	15	-	-	-	-	-	-	-	-
OTHER NATURAL SCIENCE TEACHERS	11	5	11	5	-	-	-	-	-	-	-	-
PSYCHOLOGY TEACHERS	14	11	14	11	-	-	-	-	-	-	-	5
ECONOMICS TEACHERS	45	7	45	7	-	-	-	-	-	-	-	-
HISTORY TEACHERS	20	24	20	17	-	7	-	-	-	-	6	-
OTHER SOCIAL SCIENCE TEACHERS	40	19	40	19	-	-	-	-	-	-	-	-
ENGINEERING TEACHERS	94	12	71	12	6	-	-	-	5	-	12	-
MATHEMATICAL AND COMPUTER SCIENCE TEACHERS	99	46	87	46	-	-	-	-	12	-	-	-
MEDICAL SCIENCE TEACHERS	97	45	91	39	6	-	-	-	-	6	12	-
HEALTH SPECIALTIES TEACHERS	12	409	12	359	-	24	-	5	-	21	-	10
BUSINESS, COMMERCE, AND MARKETING TEACHERS	63	79	58	52	-	27	-	-	5	-	-	-
ART, DRAMA, AND MUSIC TEACHERS	91	112	91	92	-	20	-	-	-	-	-	-
ENGLISH TEACHERS	94	120	94	107	-	13	-	-	-	-	6	-
FOREIGN LANGUAGE TEACHERS	11	69	11	69	-	-	-	-	-	-	-	22
OTHER SPECIFIED TEACHERS	206	138	192	101	14	37	-	-	-	-	13	-
POSTSECONDARY TEACHERS, SUBJECT NOT SPECIFIED	2 185	1 364	1 867	1 145	191	199	6	-	103	20	19	19
TEACHERS, EXCEPT POSTSECONDARY	18 896	44 710	16 866	36 747	1 886	7 548	35	78	61	240	85	375
TEACHERS, PREKINDERGARTEN AND KINDERGARTEN	53	2 325	38	2 011	10	273	-	7	-	26	-	8
TEACHERS, ELEMENTARY SCHOOL	11 217	30 584	10 025	24 587	1 099	5 768	19	36	51	147	53	224
TEACHERS, SECONDARY SCHOOL	5 961	8 386	5 355	7 052	576	1 233	11	21	5	40	21	124
TEACHERS, SPECIAL EDUCATION	128	368	128	331	-	37	-	-	-	-	-	-
TEACHERS, N.E.C.	1 537	3 047	1 320	2 766	201	237	5	14	5	27	11	19
COUNSELORS, EDUCATIONAL AND VOCATIONAL	1 376	1 733	1 102	1 127	274	577	-	16	-	6	26	38
LIBRARIANS, ARCHIVISTS, AND CURATORS	465	1 989	406	1 654	59	313	-	-	-	22	9	7
LIBRARIANS	413	1 883	360	1 578	53	283	-	-	-	22	-	7
ARCHIVISTS AND CURATORS	52	106	46	76	6	30	-	-	-	-	9	-
SOCIAL SCIENTISTS AND URBAN PLANNERS	2 329	1 294	2 107	1 086	172	192	-	7	33	9	19	15
ECONOMISTS	1 277	493	1 139	371	100	118	-	-	33	4	7	-
PSYCHOLOGISTS	879	662	826	608	53	42	-	7	-	5	-	7
SOCIOLOGISTS	7	2	-	2	-	-	-	-	-	-	7	-
SOCIAL SCIENTISTS, N.E.C.	21	19	21	19	-	-	-	-	-	-	-	-
URBAN PLANNERS	145	118	121	86	19	32	-	-	-	-	5	8
SOCIAL, RECREATION, AND RELIGIOUS WORKERS	6 553	7 767	5 211	4 735	1 291	2 907	2	14	35	30	87	141
SOCIAL WORKERS	2 987	6 631	2 121	3 706	848	2 803	-	14	12	30	46	138
RECREATION WORKERS	203	244	121	179	82	62	-	-	-	-	7	3
CLERGY	3 106	231	2 732	221	341	10	2	-	23	-	34	-
RELIGIOUS WORKERS, N.E.C.	257	661	237	629	20	32	-	-	-	-	-	-
LAWYERS AND JUDGES	8 745	1 317	8 290	1 110	425	202	10	5	13	-	62	-
LAWYERS	8 457	1 222	8 069	1 063	362	154	6	5	13	-	62	-
JUDGES	288	95	221	47	63	48	4	-	-	-	-	-
WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES	15 308	7 691	14 020	6 958	1 130	655	45	31	71	45	127	80
AUTHORS	142	120	142	108	-	12	-	-	-	-	-	-
TECHNICAL WRITERS	631	273	597	229	27	44	-	-	7	-	-	-
DESIGNERS	6 240	2 449	5 983	2 310	225	114	5	-	21	25	45	23
MUSICIANS AND COMPOSERS	1 486	627	1 296	529	177	98	13	-	-	-	3	7
ACTORS AND DIRECTORS	327	177	279	135	43	42	-	-	5	-	5	-
PAINTERS, SCULPTORS, CRAFT-ARTISTS, AND ARTIST PRINTMAKERS	1 503	987	1 380	959	84	21	5	7	17	-	17	-
PHOTOGRAPHERS	1 284	340	1 149	332	102	6	-	-	14	-	34	2
DANCERS	12	83	12	79	-	4	-	-	-	-	-	-
ARTISTS, PERFORMERS AND RELATED WORKERS, N.E.C.	467	297	382	281	79	16	6	-	-	-	-	16
EDITORS AND REPORTERS	1 197	1 114	1 143	984	48	104	6	12	-	14	7	13
PUBLIC RELATIONS SPECIALISTS	1 044	895	908	729	136	153	-	7	-	6	6	11
ANNOUNCERS	366	110	266	77	100	33	-	-	-	-	-	-
ATHLETES	609	219	483	206	109	8	10	5	7	-	10	8

(1) PERSONS OF SPANISH ORIGIN MAY BE OF ANY RACE.

TABLE 219. (B) DETAILED OCCUPATION OF EMPLOYED PERSONS BY SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

[DATA ARE ESTIMATES BASED ON A SAMPLE; SEE INTRODUCTION. FOR MEANING OF SYMBOLS, SEE INTRODUCTION. FOR DEFINITIONS OF TERMS, SEE APPENDIXES A AND B]

DETROIT, MI SMSA	SMSA											
	TOTAL		WHITE		BLACK		AMERICAN INDIAN, ESKIMO AND ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS	191 379	359 150	169 562	297 759	19 481	57 499	370	705	1 343	1 950	1 990	4 255
TECHNICIANS AND RELATED SUPPORT OCCUPATIONS	32 499	22 614	29 503	17 077	2 284	4 943	76	70	541	461	301	286
HEALTH TECHNOLOGISTS AND TECHNICIANS	2 879	16 138	2 187	11 709	546	4 018	-	30	122	347	58	188
CLINICAL LABORATORY TECHNOLOGISTS AND TECHNICIANS	1 025	3 884	767	2 822	188	793	-	6	65	251	10	55
DENTAL HYGIENISTS	14	1 022	14	989	-	33	-	-	-	-	-	2
HEALTH RECORD TECHNOLOGISTS AND TECHNICIANS	13	396	6	319	7	71	-	-	-	6	-	28
RADIOLOGIC TECHNICIANS	653	1 686	491	1 347	136	325	-	-	12	14	26	8
LICENSED PRACTICAL NURSES	293	7 297	197	4 868	93	2 324	-	24	3	59	-	62
HEALTH TECHNOLOGISTS AND TECHNICIANS, N.E.C.	881	1 853	712	1 364	122	472	-	-	42	17	22	33
ENGINEERING AND RELATED TECHNOLOGISTS AND TECHNICIANS	19 986	2 193	18 659	1 745	1 034	391	56	15	201	33	144	34
ELECTRICAL AND ELECTRONIC TECHNICIANS	3 060	326	2 859	201	165	125	10	-	26	-	6	7
INDUSTRIAL ENGINEERING TECHNICIANS	173	31	167	31	-	-	-	-	6	-	-	-
MECHANICAL ENGINEERING TECHNICIANS	1 292	46	1 226	46	47	-	-	-	19	-	6	-
ENGINEERING TECHNICIANS, N.E.C.	4 412	618	4 049	476	321	121	7	-	35	19	6	7
DRAFTING OCCUPATIONS	10 790	1 131	10 115	975	492	120	32	15	115	14	126	20
SURVEYING AND MAPPING TECHNICIANS	259	41	243	16	9	25	7	-	-	-	-	-
SCIENCE TECHNICIANS	1 497	548	1 236	429	196	78	7	14	47	25	-	-
BIOLOGICAL TECHNICIANS	177	192	145	142	26	44	-	-	6	6	-	-
CHEMICAL TECHNICIANS	811	146	672	113	109	12	7	-	12	19	-	-
SCIENCE TECHNICIANS, N.E.C.	509	210	419	174	61	22	-	14	29	-	-	-
TECHNICIANS, EXCEPT HEALTH, ENGINEERING, AND SCIENCE	8 137	3 735	7 421	3 194	508	456	13	11	171	56	99	64
AIRPLANE PILOTS AND NAVIGATORS	471	-	471	-	-	-	-	-	-	-	5	-
AIR TRAFFIC CONTROLLERS	218	79	175	57	36	22	-	-	7	-	7	-
BROADCAST EQUIPMENT OPERATORS	555	325	528	306	27	13	-	6	-	-	13	6
COMPUTER PROGRAMMERS	3 818	1 671	3 477	1 419	262	206	13	5	56	34	53	36
TOOL PROGRAMMERS, NUMERICAL CONTROL	213	50	207	38	6	6	-	-	-	6	-	-
LEGAL ASSISTANTS	162	552	140	500	8	41	-	-	7	-	-	22
TECHNICIANS, N.E.C.	2 700	1 058	2 423	874	169	168	-	-	101	16	21	-
SALES OCCUPATIONS	85 815	88 495	79 241	78 537	5 797	9 153	207	152	410	406	711	1 057
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS, SALARIED	12 770	5 193	11 770	4 757	822	384	41	6	93	26	187	68
MANUFACTURING	1 057	66	998	61	50	-	-	-	-	5	19	-
WHOLESALE TRADE	1 573	184	1 463	174	93	10	5	-	12	-	8	-
RETAIL TRADE	9 098	4 599	8 351	4 218	595	334	36	6	81	21	154	68
ALL OTHER INDUSTRIES	1 042	344	958	304	84	40	-	-	-	-	6	-
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS, SELF-EMPLOYED	3 936	1 019	3 567	880	321	121	-	-	29	18	45	14
MANUFACTURING	46	6	46	6	-	-	-	-	-	-	-	-
WHOLESALE TRADE	446	40	408	33	34	-	-	-	4	7	12	5
RETAIL TRADE	3 306	968	2 975	836	287	121	-	-	25	11	33	9
ALL OTHER INDUSTRIES	138	5	138	5	-	-	-	-	-	-	-	-
SALES REPRESENTATIVES, FINANCE AND BUSINESS SERVICES	19 280	10 472	17 777	9 511	1 313	861	73	42	85	44	133	74
INSURANCE SALES OCCUPATIONS	6 831	2 498	6 067	2 038	647	440	31	11	74	9	57	23
REAL ESTATE SALES OCCUPATIONS	5 173	4 448	4 847	4 201	302	191	11	26	6	28	20	28
SECURITIES AND FINANCIAL SERVICES SALES OCCUPATIONS	1 491	300	1 444	290	41	10	-	-	-	-	15	-
ADVERTISING AND RELATED SALES OCCUPATIONS	1 329	788	1 232	750	86	38	7	-	-	-	19	4
SALES OCCUPATIONS, OTHER BUSINESS SERVICES	4 456	2 438	4 187	2 232	237	182	24	5	5	7	22	19
SALES REPRESENTATIVES, COMMODITIES, EXCEPT RETAIL	21 717	3 281	20 834	2 998	755	263	39	11	79	4	63	39
SALES ENGINEERS	2 267	5	2 228	5	12	-	-	-	27	-	-	-
SALES REPRESENTATIVES, MINING, MANUFACTURING, AND WHOLESALE	19 450	3 276	18 606	2 993	743	263	39	11	52	4	63	39
WHOLESALE TRADE	11 953	2 253	11 427	2 007	474	235	29	11	18	-	31	19
SALES WORKERS, RETAIL AND PERSONAL SERVICES	27 901	68 234	25 102	60 111	2 570	7 518	50	93	124	308	279	858
SALES WORKERS, MOTOR VEHICLES AND BOATS	3 825	379	3 672	369	143	10	5	-	5	-	23	14
SALES WORKERS, APPAREL	1 562	7 238	1 320	6 192	204	920	6	-	32	92	-	115
SALES WORKERS, SHOES	1 048	1 228	826	1 139	216	81	6	-	-	8	13	19
SALES WORKERS, FURNITURE AND HOME FURNISHINGS	1 624	1 177	1 536	1 125	82	52	-	-	6	-	9	12
SALES WORKERS, RADIO, TV, HI-FI, AND APPLIANCES	1 610	706	1 320	649	279	51	-	-	11	6	6	5
SALES WORKERS, HARDWARE AND BUILDING SUPPLIES	2 214	785	2 132	751	68	14	8	-	-	11	18	16
SALES WORKERS, PARTS	2 897	207	2 783	172	95	29	6	6	7	-	25	-
SALES WORKERS, OTHER COMMODITIES	6 739	21 983	6 020	19 911	686	1 904	-	16	7	62	99	243
RETAIL TRADE	6 123	21 435	5 482	19 478	608	1 792	-	13	7	62	86	238
PERSONAL, BUSINESS AND REPAIR SERVICES	96	115	81	107	15	8	-	-	-	-	6	-
ALL OTHER INDUSTRIES	520	433	457	326	63	104	-	3	-	-	7	5
SALES COUNTER CLERKS	335	1 691	304	1 388	31	285	-	-	-	14	6	24
CASHIERS	4 132	29 782	3 409	25 574	647	3 960	19	71	49	110	80	386
STREET AND DOOR-TO-DOOR SALES WORKERS	685	2 570	633	2 383	36	182	-	-	7	5	-	18
NEWS VENDORS	1 230	488	1 147	458	83	30	-	-	-	-	-	6
SALES RELATED OCCUPATIONS	211	296	191	280	16	6	4	-	-	6	4	4
DEMONSTRATORS, PROMOTERS AND MODELS, SALES	73	193	73	183	-	6	-	-	-	-	-	4
AUCTIONEERS	61	-	61	-	-	-	-	-	-	-	-	-
SALES SUPPORT OCCUPATIONS, N.E.C.	77	103	57	97	16	-	4	-	-	6	4	-
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL	73 065	248 041	60 818	202 145	11 400	43 403	87	483	392	1 083	978	2 912
SUPERVISORS, ADMINISTRATIVE SUPPORT OCCUPATIONS	11 164	9 755	9 729	7 676	1 360	2 039	5	-	49	31	85	83
SUPERVISORS, GENERAL OFFICE	4 603	6 819	3 827	5 344	739	1 460	-	-	26	15	41	38
SUPERVISORS, COMPUTER EQUIPMENT OPERATORS	796	210	744	169	52	41	-	-	-	-	-	-
SUPERVISORS, FINANCIAL RECORDS PROCESSING	2 273	1 627	2 145	1 404	112	207	-	-	16	16	11	24
CHIEF COMMUNICATIONS OPERATORS	741	454	630	309	104	145	-	-	7	-	-	7
SUPERVISORS; DISTRIBUTION, SCHEDULING, AND ADJUSTING CLERKS	2 751	645	2 383	450	353	186	5	-	-	-	33	14

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TABLE 219. (B) DETAILED OCCUPATION OF EMPLOYED PERSONS BY SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

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DETROIT, MI SMSA

	SMSA											
	TOTAL		WHITE		BLACK		AMERICAN INDIAN, ESKIMO AND ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
COMPUTER EQUIPMENT OPERATORS	3 136	4 620	2 652	3 444	457	1 103	-	22	27	42	36	49
COMPUTER OPERATORS	3 059	4 380	2 588	3 301	444	1 021	-	16	27	42	36	40
PERIPHERAL EQUIPMENT OPERATORS	77	240	64	143	13	82	-	6	-	-	-	9
SECRETARIES, STENOGRAPHERS, AND TYPISTS	1 247	86 478	980	74 275	254	11 488	-	114	6	303	60	1 010
SECRETARIES	755	69 735	650	61 948	99	7 213	-	91	6	246	22	765
STENOGRAPHERS	157	1 617	126	1 190	31	420	-	-	-	7	31	-
TYPISTS	335	15 126	204	11 137	124	3 855	-	23	-	50	7	245
INFORMATION CLERKS	1 811	15 427	1 332	12 654	466	2 638	-	40	13	66	7	189
INTERVIEWERS	378	1 606	222	1 186	156	411	-	-	-	9	-	24
HOTEL CLERKS	221	418	198	326	23	89	-	-	-	-	-	8
TRANSPORTATION TICKET AND RESERVATION AGENTS	576	1 122	482	851	94	257	-	-	-	14	-	19
RECEPTIONISTS	335	10 633	188	9 043	139	1 498	-	33	8	43	-	96
INFORMATION CLERKS, N.E.C.	301	1 648	242	1 248	54	383	-	7	5	-	7	42
RECORDS PROCESSING OCCUPATIONS, EXCEPT FINANCIAL	4 873	14 197	3 990	10 825	803	3 186	8	20	27	71	122	211
CLASSIFIED-AD CLERKS	44	194	38	149	6	45	-	-	-	-	-	-
CORRESPONDENCE CLERKS	70	283	60	226	10	57	-	-	-	-	-	-
ORDER CLERKS	2 715	4 711	2 189	3 640	452	1 010	8	5	27	29	87	72
PERSONNEL CLERKS, EXCEPT PAYROLL AND TIMEKEEPING	184	1 040	164	803	20	232	-	-	-	5	7	-
LIBRARY CLERKS	225	1 664	194	1 366	31	290	-	-	-	8	-	23
FILE CLERKS	1 340	4 487	1 087	3 173	247	1 215	-	8	-	29	16	87
RECORDS CLERKS	295	1 818	258	1 468	37	337	-	7	-	-	12	29
FINANCIAL RECORDS PROCESSING OCCUPATIONS	3 870	33 423	3 403	29 652	391	3 557	22	22	51	121	59	350
BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS	2 493	25 533	2 169	23 271	267	2 105	16	18	41	95	48	239
PAYROLL AND TIMEKEEPING CLERKS	579	2 789	506	2 188	61	583	6	4	6	-	8	46
BILLING CLERKS	260	3 137	230	2 656	23	468	-	-	4	13	3	39
COST AND RATE CLERKS	494	915	474	811	20	104	-	-	-	-	-	6
BILLING, POSTING, AND CALCULATING MACHINE OPERATORS	44	1 049	24	726	20	297	-	-	-	13	-	20
DUPLICATING, MAIL, AND OTHER OFFICE MACHINE OPERATORS	370	821	273	608	91	196	-	8	6	-	-	31
DUPLICATING MACHINE OPERATORS	118	235	78	186	40	45	-	-	-	-	-	4
MAIL PREPARING AND PAPER HANDLING MACHINE OPERATORS	20	68	5	52	15	8	-	8	-	-	-	6
OFFICE MACHINE OPERATORS, N.E.C.	232	518	190	370	36	143	-	-	6	-	-	21
COMMUNICATIONS EQUIPMENT OPERATORS	459	5 564	293	4 121	160	1 395	-	18	6	4	-	77
TELEPHONE OPERATORS	405	5 365	254	3 952	145	1 365	-	18	6	4	-	77
TELEGRAPHERS	54	69	39	39	15	30	-	-	-	-	-	-
COMMUNICATIONS EQUIPMENT OPERATORS, N.E.C.	-	130	-	130	-	-	-	-	-	-	-	-
MAIL AND MESSAGE DISTRIBUTING OCCUPATIONS	8 205	6 387	5 840	3 570	2 295	2 770	9	20	17	9	94	65
POSTAL CLERKS, EXCEPT MAIL CARRIERS	1 863	3 015	909	1 213	938	1 778	-	20	8	-	26	25
MAIL CARRIERS, POSTAL SERVICE	3 755	1 502	2 945	1 100	789	399	9	-	-	3	41	8
MAIL CLERKS, EXCEPT POSTAL SERVICE	1 656	1 590	1 225	1 051	419	519	-	-	-	6	15	32
MESSENGERS	931	280	761	206	149	74	-	-	9	-	12	-
MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING CLERKS	23 604	10 167	20 317	8 169	2 962	1 882	36	25	107	46	380	102
DISPATCHERS	1 092	620	993	528	99	92	-	-	-	-	19	5
PRODUCTION COORDINATORS	4 034	1 937	3 473	1 537	530	364	5	6	14	24	51	29
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	6 965	2 014	6 083	1 719	800	273	9	11	34	-	91	17
STOCK AND INVENTORY CLERKS	8 960	3 521	7 609	2 742	1 186	748	22	2	44	16	172	18
METER READERS	420	117	260	78	148	33	-	6	6	-	6	-
WEIGHERS, MEASURERS, AND CHECKERS	1 210	382	1 070	281	127	86	-	-	-	-	15	21
SAMPLERS	11	17	11	17	-	-	-	-	-	-	-	-
EXPEDITERS	797	831	725	738	57	93	-	-	9	-	19	12
MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING CLERKS, N.E.C.	115	728	93	529	15	193	-	-	-	6	7	-
ADJUSTERS AND INVESTIGATORS	4 114	6 874	3 510	5 163	558	1 636	7	26	14	27	46	49
INSURANCE ADJUSTERS, EXAMINERS, AND INVESTIGATORS	1 260	2 588	1 122	1 934	116	625	-	11	7	18	7	20
INVESTIGATORS AND ADJUSTERS, EXCEPT INSURANCE	2 061	2 743	1 713	2 111	326	622	7	-	5	-	39	12
ELIGIBILITY CLERKS, SOCIAL WELFARE	18	85	18	22	-	47	-	7	-	9	-	-
BILL AND ACCOUNT COLLECTORS	775	1 458	657	1 096	116	342	-	8	2	-	-	17
MISCELLANEOUS ADMINISTRATIVE SUPPORT OCCUPATIONS	10 212	54 328	8 499	41 988	1 603	11 513	-	168	69	363	89	696
GENERAL OFFICE CLERKS	5 178	26 182	4 143	20 545	950	5 228	-	85	44	143	71	366
BANK TELLERS	569	9 710	466	8 321	100	1 307	-	7	3	19	-	123
PROOFREADERS	52	278	52	250	-	20	-	-	-	-	-	-
DATA-ENTRY KEYERS	381	6 978	280	4 910	101	1 885	-	15	-	149	-	92
STATISTICAL CLERKS	744	1 899	655	1 435	89	418	-	22	-	24	-	16
TEACHERS' AIDES	204	3 801	121	2 307	83	1 448	-	12	-	20	-	39
ADMINISTRATIVE SUPPORT OCCUPATIONS, N.E.C.	3 084	5 480	2 782	4 220	280	1 207	-	27	22	8	18	60
SERVICE OCCUPATIONS	98 882	143 149	76 136	107 274	20 859	33 518	281	436	1 047	1 303	1 697	1 966
PRIVATE HOUSEHOLD OCCUPATIONS	292	7 139	175	4 055	109	2 968	3	53	5	45	-	65
OCCUPATION:												
LAUNDERERS AND IRONERS	-	35	-	14	-	21	-	-	-	-	-	-
COOKS, PRIVATE HOUSEHOLD	4	81	-	50	4	31	-	-	-	-	-	-
HOUSEKEEPERS AND BUTLERS	39	925	12	553	27	353	-	19	-	-	-	-
CHILD CARE WORKERS, PRIVATE HOUSEHOLD	64	2 476	64	2 036	-	413	-	-	-	15	-	36
PRIVATE HOUSEHOLD CLEANERS AND SERVANTS	185	3 622	99	1 402	78	2 150	3	34	5	30	-	29
LIVING ARRANGEMENT:												
LIVING IN	13	398	5	301	8	85	-	7	-	5	-	-
LIVING OUT	279	6 741	170	3 754	101	2 883	3	46	5	40	-	65

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	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
PROTECTIVE SERVICE OCCUPATIONS	26 592	3 617	21 157	2 425	5 225	1 162	82	16	42	7	332	75
SUPERVISORS, PROTECTIVE SERVICE OCCUPATIONS	1 924	67	1 645	53	263	14	12	-	-	-	10	-
SUPERVISORS, FIREFIGHTING AND FIRE PREVENTION OCCUPATIONS	216	-	202	-	14	-	-	-	-	-	5	-
SUPERVISORS, POLICE AND DETECTIVES	1 227	42	1 043	34	180	8	-	-	-	-	5	-
SUPERVISORS, GUARDS	481	25	400	19	69	6	12	-	-	-	-	-
FIREFIGHTING AND FIRE PREVENTION OCCUPATIONS	3 858	39	3 382	19	454	20	10	-	-	-	46	-
FIRE INSPECTION AND FIRE PREVENTION OCCUPATIONS	354	12	272	12	82	-	-	-	-	-	6	-
FIREFIGHTING OCCUPATIONS	3 504	27	3 110	7	372	20	10	-	-	-	40	-
POLICE AND DETECTIVES	9 831	954	8 023	475	1 748	479	14	-	27	-	125	13
POLICE AND DETECTIVES, PUBLIC SERVICE	8 930	810	7 316	405	1 554	405	14	-	27	-	125	13
SHERIFFS, BAILIFFS, AND OTHER ENFORCEMENT OFFICERS	583	71	464	41	119	30	-	-	-	-	-	-
CORRECTIONAL INSTITUTION OFFICERS	318	73	243	29	75	44	-	-	-	-	-	-
GUARDS	10 979	2 557	8 107	1 878	2 760	649	46	16	15	7	151	62
CROSSING GUARDS	168	645	139	536	29	101	-	8	-	-	-	7
GUARDS AND POLICE, EXCEPT PUBLIC SERVICE	10 482	1 722	7 704	1 152	2 682	548	30	8	15	7	145	50
PROTECTIVE SERVICE OCCUPATIONS, N.E.C.	329	190	264	190	49	-	16	-	-	-	6	5
SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD	71 998	132 393	54 804	100 794	15 525	29 388	196	367	1 000	1 251	1 365	1 826
FOOD PREPARATION AND SERVICE OCCUPATIONS	26 947	57 870	22 410	50 175	3 568	6 642	90	183	692	654	560	749
SUPERVISORS, FOOD PREPARATION AND SERVICE OCCUPATIONS	1 693	3 151	1 392	2 701	215	402	9	-	70	34	66	58
BARTENDERS	2 188	1 969	2 030	1 881	128	84	-	4	22	-	32	25
WAITERS AND WAITRESSES	1 885	28 553	1 509	26 481	290	1 501	-	91	58	384	58	364
COOKS, EXCEPT SHORT ORDER	10 849	10 132	8 907	7 968	1 359	2 007	43	49	492	80	175	50
SHORT-ORDER COOKS	868	567	671	464	183	99	-	-	14	-	20	10
FOOD COUNTER, FOUNTAIN AND RELATED OCCUPATIONS	524	2 979	376	2 650	143	302	-	-	5	22	5	31
KITCHEN WORKERS, FOOD PREPARATION	156	1 293	87	962	69	324	-	7	-	-	-	17
WAITERS' AND WAITRESSES' ASSISTANTS	3 790	2 098	3 401	1 636	350	409	6	-	11	34	56	38
MISCELLANEOUS FOOD PREPARATION OCCUPATIONS	4 994	7 128	4 037	5 432	831	1 514	32	32	20	100	148	156
HEALTH SERVICE OCCUPATIONS	3 979	32 490	2 264	21 042	1 581	10 795	-	93	95	405	94	427
DENTAL ASSISTANTS	85	3 534	60	3 328	25	176	-	-	-	11	-	65
HEALTH AIDES, EXCEPT NURSING	809	8 353	479	5 932	280	2 294	-	22	35	44	20	93
NURSING AIDES, ORDERLIES, AND ATTENDANTS	3 085	20 603	1 725	11 782	1 276	8 325	-	71	60	350	74	269
CLEANING AND BUILDING SERVICE OCCUPATIONS, EXCEPT HOUSEHOLD	34 958	18 777	25 467	11 690	9 043	6 842	89	39	150	66	628	367
SUPERVISORS, CLEANING AND BUILDING SERVICE WORKERS	1 363	626	1 014	398	333	228	-	-	9	-	22	7
MAIDS AND HOUSEMEN	2 988	7 371	2 013	4 352	941	2 916	-	13	8	27	116	151
JANITORS AND CLEANERS	30 258	10 623	22 239	6 869	7 621	3 612	89	26	133	39	490	203
ELEVATOR OPERATORS	166	143	88	57	78	86	-	-	-	-	-	6
PEST CONTROL OCCUPATIONS	183	14	113	14	70	-	-	-	-	-	-	-
PERSONAL SERVICE OCCUPATIONS	6 114	23 256	4 663	17 887	1 333	5 109	17	52	63	126	83	283
SUPERVISORS, PERSONAL SERVICE OCCUPATIONS	335	236	335	222	-	14	-	-	-	-	-	-
BARBERS	1 594	353	1 361	302	222	51	-	-	-	-	23	-
HAIRDRESSERS AND COSMETOLOGISTS	1 083	8 057	930	7 044	149	934	-	16	-	36	22	80
ATTENDANTS, AMUSEMENT AND RECREATION FACILITIES	749	369	567	301	171	68	11	-	-	-	-	6
GUIDES	144	215	113	152	22	63	-	-	9	-	-	4
USHERS	403	136	390	118	8	11	-	-	5	7	-	-
PUBLIC TRANSPORTATION ATTENDANTS	119	435	73	306	46	129	-	-	-	-	-	-
BAGGAGE PORTERS AND BELLHOPS	159	16	63	16	82	-	-	-	5	-	9	-
WELFARE SERVICE AIDES	114	265	58	189	39	76	-	-	7	-	10	6
CHILD CARE WORKERS, EXCEPT PRIVATE HOUSEHOLD	585	10 853	329	7 701	235	3 039	6	25	15	38	6	168
PERSONAL SERVICE OCCUPATIONS, N.E.C.	829	2 321	444	1 536	359	724	-	11	22	45	13	19
FARMING, FORESTRY, AND FISHING OCCUPATIONS	7 824	2 069	7 093	1 932	593	112	39	2	27	7	176	28
FARM OPERATORS AND MANAGERS	2 530	349	2 460	340	55	9	6	-	3	-	16	4
FARMERS, EXCEPT HORTICULTURAL	2 001	254	1 971	245	19	9	6	-	3	-	4	4
AGRICULTURAL PRODUCTION, CROPS	1 071	109	1 051	100	9	9	6	-	3	-	4	2
HORTICULTURAL SPECIALTY FARMERS	94	24	89	24	5	-	-	-	-	-	-	-
MANAGERS, FARMS, EXCEPT HORTICULTURAL	281	71	268	71	9	-	-	-	-	-	12	-
MANAGERS, HORTICULTURAL SPECIALTY FARMS	154	-	132	-	22	-	-	-	-	-	-	-
FARM OCCUPATIONS, EXCEPT MANAGERIAL	1 434	735	1 253	695	106	25	6	2	24	7	99	14
SUPERVISORS, FARM WORKERS	78	42	70	35	8	7	-	-	-	-	-	-
FARM WORKERS	1 159	566	1 054	539	68	12	6	2	4	7	38	14
AGRICULTURAL PRODUCTION, CROPS	652	294	562	281	59	-	-	-	4	7	38	10
MARINE LIFE CULTIVATION WORKERS	-	8	-	8	-	-	-	-	-	-	-	-
NURSERY WORKERS	197	119	129	113	30	6	-	-	20	-	61	-
RELATED AGRICULTURAL OCCUPATIONS	3 621	966	3 160	878	413	78	27	-	-	-	61	10
SUPERVISORS, RELATED AGRICULTURAL OCCUPATIONS	258	17	258	10	-	7	-	-	-	-	-	-
GROUNDSKEEPERS AND GARDENERS, EXCEPT FARM	3 093	295	2 666	221	391	64	21	-	-	-	40	10
ANIMAL CARETAKERS, EXCEPT FARM	260	645	228	638	22	7	6	-	-	-	19	-
GRADERS AND SORTERS, AGRICULTURAL PRODUCTS	10	9	8	9	-	-	-	-	-	-	2	-
INSPECTORS, AGRICULTURAL PRODUCTS	-	-	-	-	-	-	-	-	-	-	-	-
FORESTRY AND LOGGING OCCUPATIONS	162	13	143	13	19	-	-	-	-	-	-	-
SUPERVISORS, FORESTRY AND LOGGING WORKERS	12	-	7	-	5	-	-	-	-	-	-	-
FORESTRY WORKERS, EXCEPT LOGGING	71	-	71	-	-	-	-	-	-	-	-	-
TIMBER CUTTING AND LOGGING OCCUPATIONS	79	13	65	13	14	-	-	-	-	-	-	-
FISHERS, HUNTERS, AND TRAPPERS	77	6	77	6	-	-	-	-	-	-	-	-
CAPTAINS AND OTHER OFFICERS, FISHING VESSELS	14	-	14	-	-	-	-	-	-	-	-	-
FISHERS	42	6	42	6	-	-	-	-	-	-	-	-
HUNTERS AND TRAPPERS	21	-	21	-	-	-	-	-	-	-	-	-

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	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS	216 032	13 031	194 097	10 398	19 628	2 410	845	66	631	93	2 744	135
MECHANICS AND REPAIRERS	72 394	2 094	63 748	1 488	7 735	545	306	20	273	21	1 198	29
SUPERVISORS, MECHANICS AND REPAIRERS	2 628	98	2 447	71	163	27	6	-	6	-	32	-
MECHANICS AND REPAIRERS, EXCEPT SUPERVISORS	69 766	1 996	61 301	1 417	7 572	518	300	20	267	21	1 166	29
VEHICLE AND MOBILE EQUIPMENT MECHANICS AND REPAIRERS	28 565	383	24 791	283	3 360	92	104	8	153	-	440	-
AUTOMOBILE MECHANICS	18 012	252	15 261	180	2 495	72	71	-	97	-	240	-
BUS, TRUCK, AND STATIONARY ENGINE MECHANICS	3 274	25	2 869	17	355	-	14	8	12	-	80	-
AIRCRAFT MECHANICS	796	-	765	-	22	-	3	-	6	-	6	-
SMALL ENGINE REPAIRERS	582	14	572	7	8	7	-	-	-	-	-	-
AUTOMOBILE BODY AND RELATED REPAIRERS	3 746	60	3 329	47	356	13	16	-	33	-	50	-
HEAVY EQUIPMENT MECHANICS	1 876	26	1 736	26	109	-	-	-	-	-	64	-
FARM EQUIPMENT MECHANICS	279	6	259	6	15	-	-	-	5	-	-	-
INDUSTRIAL MACHINERY REPAIRERS	11 426	268	10 128	216	1 202	44	43	4	15	-	159	4
MACHINERY MAINTENANCE OCCUPATIONS	957	30	675	23	247	7	-	-	16	-	19	-
ELECTRICAL AND ELECTRONIC EQUIPMENT REPAIRERS	9 432	784	8 543	533	818	223	34	-	19	12	101	21
ELECTRONIC REPAIRERS, COMMUNICATIONS AND INDUSTRIAL EQUIPMENT	2 231	119	1 985	102	212	10	23	-	11	7	34	-
DATA PROCESSING EQUIPMENT REPAIRERS	944	44	900	29	36	15	-	-	-	-	12	-
HOUSEHOLD APPLIANCE AND POWER TOOL REPAIRERS	1 173	-	1 107	-	66	-	-	-	-	-	-	-
TELEPHONE LINE INSTALLERS AND REPAIRERS	934	33	825	21	109	12	-	-	-	-	-	-
TELEPHONE INSTALLERS AND REPAIRERS	3 509	561	3 161	381	324	164	6	-	8	5	45	16
MISCELLANEOUS ELECTRICAL AND ELECTRONIC EQUIPMENT REPAIRERS	641	27	565	-	71	22	5	-	-	-	10	5
HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS	2 336	11	2 137	11	177	-	22	-	-	-	34	-
MISCELLANEOUS MECHANICS AND REPAIRERS	17 050	520	15 027	351	1 768	152	97	8	64	9	413	4
CAMERA, WATCH, AND MUSICAL INSTRUMENT REPAIRERS	427	81	391	34	36	38	-	-	-	9	8	-
LOCKSMITHS AND SAFE REPAIRERS	267	8	245	8	22	-	-	-	-	-	-	-
OFFICE MACHINE REPAIRERS	651	64	581	51	65	13	5	-	-	-	5	4
MECHANICAL CONTROLS AND VALVE REPAIRERS	578	-	473	-	105	-	-	-	-	-	11	-
ELEVATOR INSTALLERS AND REPAIRERS	374	-	365	-	9	-	-	-	-	-	5	-
MILLWRIGHTS	6 701	100	5 888	62	684	38	57	-	14	-	200	-
SPECIFIED MECHANICS AND REPAIRERS, N.E.C.	6 035	184	5 401	162	572	14	6	8	38	-	130	-
NOT SPECIFIED MECHANICS AND REPAIRERS	2 017	83	1 683	34	275	49	29	-	12	-	54	-
CONSTRUCTION TRADES	55 790	1 047	50 220	832	5 041	203	261	7	52	5	617	-
SUPERVISORS; CONSTRUCTION OCCUPATIONS	8 775	156	8 196	110	540	39	15	7	5	-	82	-
SUPERVISORS; BRICKMASONS, STONEMASONS, AND TILE SETTERS	59	-	59	-	-	-	-	-	-	-	-	-
SUPERVISORS; CARPENTERS AND RELATED WORKERS	387	-	378	-	9	-	-	-	-	-	7	-
SUPERVISORS; ELECTRICIANS AND POWER TRANSMISSION INSTALLERS	589	6	561	6	28	-	-	-	-	-	17	-
SUPERVISORS; PAINTERS, PAPERHANGERS, AND PLASTERERS	155	4	130	-	25	4	-	-	-	-	-	-
SUPERVISORS; PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	178	-	178	-	-	-	-	-	-	-	-	-
SUPERVISORS; N.E.C.	7 407	146	6 890	104	478	35	15	7	5	-	58	-
CONSTRUCTION TRADES, EXCEPT SUPERVISORS	47 015	891	42 024	722	4 501	164	246	-	47	5	535	-
BRICKMASONS AND STONEMASONS	2 660	46	2 253	39	373	7	11	-	-	-	37	-
TILE SETTERS, HARD AND SOFT	407	-	371	-	36	-	-	-	-	-	-	-
CARPET INSTALLERS	1 348	40	1 280	40	55	-	7	-	-	-	20	-
CARPENTERS	10 218	127	9 554	88	614	39	29	-	-	-	118	-
DRYWALL INSTALLERS	757	11	742	6	15	5	-	-	-	-	-	-
ELECTRICIANS	11 106	221	9 779	171	1 198	50	46	-	29	-	149	-
ELECTRICAL POWER INSTALLERS AND REPAIRERS	1 218	11	1 137	2	69	9	12	-	-	-	-	-
PAINTERS, CONSTRUCTION AND MAINTENANCE	3 973	210	3 279	190	635	15	28	-	-	5	71	-
PAPERHANGERS	217	14	198	14	11	-	8	-	-	-	-	-
PLASTERERS	219	4	169	4	50	-	-	-	-	-	-	-
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	9 148	50	8 216	43	869	7	22	-	-	-	74	-
CONCRETE AND TERRAZZO FINISHERS	494	-	316	-	165	-	5	-	-	-	14	-
GLAZIERS	535	58	510	38	18	20	7	-	-	-	12	-
INSULATION WORKERS	489	16	466	11	16	5	-	-	-	-	12	-
PAVING, SURFACING, AND TAMPING EQUIPMENT OPERATORS	34	-	16	-	18	-	-	-	-	-	-	-
ROOFERS	1 102	12	991	12	91	-	8	-	6	-	12	-
SHEETMETAL DUCT INSTALLERS	461	-	461	-	-	-	-	-	-	-	-	-
STRUCTURAL METAL WORKERS	1 203	37	1 127	37	46	-	30	-	-	-	6	-
DRILLERS, EARTH	170	2	151	2	19	-	-	-	-	-	-	-
CONSTRUCTION TRADES, N.E.C.	1 256	32	1 008	25	203	7	33	-	12	-	10	-
EXTRACTIVE OCCUPATIONS	277	28	259	15	18	13	-	-	-	-	-	-
SUPERVISORS, EXTRACTIVE OCCUPATIONS	77	6	71	-	6	6	-	-	-	-	-	-
DRILLERS, OIL WELL	49	-	49	-	-	-	-	-	-	-	-	-
EXPLOSIVES WORKERS	86	-	74	-	12	-	-	-	-	-	-	-
MINING MACHINE OPERATORS	23	15	23	15	-	-	-	-	-	-	-	-
MINING OCCUPATIONS, N.E.C.	42	7	42	-	-	7	-	-	-	-	-	-

(1) PERSONS OF SPANISH ORIGIN MAY BE OF ANY RACE.

TABLE 219. (B) DETAILED OCCUPATION OF EMPLOYED PERSONS BY SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

[DATA ARE ESTIMATES BASED ON A SAMPLE; SEE INTRODUCTION. FOR MEANING OF SYMBOLS, SEE INTRODUCTION. FOR DEFINITIONS OF TERMS, SEE APPENDIXES A AND B]

DETROIT, MI SMSA

	SMSA											
	TOTAL		WHITE		BLACK		AMERICAN INDIAN, ESKIMO AND ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
PRECISION PRODUCTION OCCUPATIONS	87 571	9 862	79 870	8 063	6 834	1 649	278	39	306	67	929	106
SUPERVISORS, PRODUCTION OCCUPATIONS	37 092	3 496	33 347	2 788	3 508	669	83	11	90	12	415	31
NONDURABLE GOODS MANUFACTURING	3 745	566	3 464	454	272	94	-	6	-	-	56	21
DURABLE GOODS MANUFACTURING	26 672	1 299	23 929	1 015	2 572	273	70	5	59	6	281	-
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	2 350	184	2 031	108	300	76	13	-	6	-	19	-
WHOLESALE AND RETAIL TRADE	3 108	886	2 861	765	230	117	-	-	6	-	44	4
ALL OTHER INDUSTRIES	1 217	561	1 062	446	134	109	-	-	19	6	15	6
PRECISION METALWORKING OCCUPATIONS	32 244	966	30 515	801	1 372	159	161	-	94	4	278	9
TOOL AND DIE MAKERS	17 536	253	16 565	215	789	38	69	-	49	-	163	-
PRECISION ASSEMBLERS, METAL	815	61	799	44	10	17	-	-	-	-	6	-
MACHINISTS	6 869	318	6 482	245	299	69	30	-	38	4	50	-
BOILERMAKERS	420	-	397	-	23	-	-	-	-	-	-	-
PRECISION GRINDERS, FILERS, AND TOOL SHARPENERS	697	20	663	18	22	-	12	-	-	-	6	2
PATTERNMAKERS AND MODEL MAKERS, METAL	2 511	40	2 425	36	65	4	15	-	-	-	15	-
LAY-OUT WORKERS	311	18	298	11	13	7	-	-	-	-	-	-
PRECIOUS STONES AND METALS WORKERS (JEWELERS)	350	147	335	128	8	19	-	-	7	-	17	7
ENGRAVERS, METAL	104	85	104	85	-	-	-	-	-	-	-	-
SHEET METAL WORKERS	2 469	24	2 311	19	117	5	35	-	-	-	21	-
MISCELLANEOUS PRECISION METAL WORKERS	162	-	136	-	26	-	-	-	-	-	-	-
PRECISION WOODWORKING OCCUPATIONS	2 219	138	2 194	102	25	36	-	-	-	-	6	-
PATTERNMAKERS AND MODEL MAKERS, WOOD	1 295	13	1 295	13	-	-	-	-	-	-	6	-
CABINET MAKERS AND BENCH CARPENTERS	670	29	666	29	4	-	-	-	-	-	-	-
FURNITURE AND WOOD FINISHERS	169	89	165	53	4	36	-	-	-	-	-	-
MISCELLANEOUS PRECISION WOODWORKERS	85	7	68	7	17	-	-	-	-	-	-	-
PRECISION TEXTILE, APPAREL, AND FURNISHINGS MACHINE WORKERS	1 203	1 949	968	1 531	231	383	-	13	4	20	14	13
DRESSMAKERS	59	1 402	45	1 174	14	201	-	13	-	14	-	11
TAILORS	353	285	303	171	50	106	-	-	-	6	-	2
UPHOLSTERERS	461	78	350	56	111	22	-	-	-	-	14	-
SHOE REPAIRERS	291	17	231	2	56	15	-	-	4	-	-	-
APPAREL AND FABRIC PATTERNMAKERS	7	-	7	-	-	-	-	-	-	-	-	-
MISCELLANEOUS PRECISION APPAREL AND FABRIC WORKERS	32	167	32	128	-	39	-	-	-	-	-	-
PRECISION WORKERS, ASSORTED MATERIALS	3 099	1 685	2 804	1 459	212	183	20	5	47	23	42	39
HAND MOLDERS AND SHAPERS, EXCEPT JEWELERS	581	21	453	13	114	8	8	-	-	-	6	-
PATTERNMAKERS, LAY-OUT WORKERS, AND CUTTERS	131	16	124	16	-	-	-	-	7	-	-	-
OPTICAL GOODS WORKERS	446	460	430	422	-	38	-	-	16	-	4	2
DENTAL LABORATORY AND MEDICAL APPLIANCE TECHNICIANS	597	343	576	296	16	40	-	-	5	-	11	7
BOOKBINDERS	113	253	102	201	5	44	-	5	6	-	7	19
ELECTRICAL AND ELECTRONIC EQUIPMENT ASSEMBLERS	196	354	168	294	21	32	-	-	7	23	-	5
MISCELLANEOUS PRECISION WORKERS, N.E.C.	1 035	238	951	217	56	21	12	-	6	-	14	6
PRECISION FOOD PRODUCTION OCCUPATIONS	4 945	1 152	4 062	987	765	142	-	6	24	8	124	14
BUTCHERS AND MEAT CUTTERS	3 633	330	3 030	261	528	59	-	6	18	-	94	3
BAKERS	1 186	766	926	676	222	77	-	-	6	8	25	11
FOOD BATCHMAKERS	126	56	106	50	15	6	-	-	-	-	5	-
PRECISION INSPECTORS, TESTERS, AND RELATED WORKERS	2 623	283	2 458	237	152	42	-	4	13	-	11	-
INSPECTORS, TESTERS, AND GRADERS	2 604	266	2 439	225	152	37	-	4	13	-	11	-
ADJUSTERS AND CALIBRATORS	19	17	19	12	-	5	-	-	-	-	-	-
PLANT AND SYSTEM OPERATORS	4 146	193	3 522	158	569	35	14	-	34	-	39	-
WATER AND SEWAGE TREATMENT PLANT OPERATORS	615	30	447	17	162	13	-	-	6	-	7	-
POWER PLANT OPERATORS	467	19	421	13	46	6	-	-	-	-	13	-
STATIONARY ENGINEERS	2 606	83	2 261	83	296	-	14	-	28	-	19	-
MISCELLANEOUS PLANT AND SYSTEM OPERATORS	458	61	393	45	65	16	-	-	-	-	-	-
OPERATORS, FABRICATORS, AND LABORERS	271 866	70 916	211 770	51 981	55 862	17 751	1 189	311	1 070	361	5 254	1 469
MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS	153 975	51 967	117 643	37 048	33 797	13 944	613	234	616	306	3 312	1 181
MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION	88 170	30 194	71 056	21 886	15 812	7 745	341	137	382	164	1 510	771
METALWORKING AND PLASTIC WORKING MACHINE OPERATORS	34 381	6 081	28 212	4 510	5 715	1 488	117	20	143	24	553	161
LATHE AND TURNING MACHINE SET-UP OPERATORS	1 936	72	1 701	55	235	17	-	-	-	-	19	-
LATHE AND TURNING MACHINE OPERATORS	4 957	275	4 702	197	216	73	5	-	19	5	87	-
MILLING AND PLANING MACHINE OPERATORS	610	63	583	59	27	4	-	-	-	-	-	-
PUNCHING AND STAMPING PRESS MACHINE OPERATORS	7 206	3 822	4 914	2 808	2 145	964	18	13	45	6	186	113
ROLLING MACHINE OPERATORS	577	42	515	34	62	8	-	-	-	-	-	-
DRILLING AND BORING MACHINE OPERATORS	2 947	333	2 709	294	184	39	21	-	21	-	25	19
GRINDING, ABRADING, BUFFING, AND POLISHING MACHINE OPERATORS	11 350	1 323	9 399	953	1 776	342	57	7	58	13	162	24
FORGING MACHINE OPERATORS	682	42	586	24	96	18	-	-	-	-	7	-
NUMERICAL CONTROL MACHINE OPERATORS	59	6	59	6	-	-	-	-	-	-	-	-
MISCELLANEOUS METAL, PLASTIC, STONE, AND GLASS WORKING MACHINE OPERATORS	4 057	103	3 044	80	974	23	16	-	-	-	67	5

(1) PERSONS OF SPANISH ORIGIN MAY BE OF ANY RACE.

TABLE 219. (B) DETAILED OCCUPATION OF EMPLOYED PERSONS BY SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

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DETROIT, MI SMSA

	SMSA											
	TOTAL		WHITE		BLACK		AMERICAN INDIAN, ESKIMO AND ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
FABRICATING MACHINE OPERATORS, N.E.C.	532	190	429	148	95	42	-	-	6	-	4	-
METAL AND PLASTIC PROCESSING MACHINE OPERATORS	4 011	1 766	3 132	1 478	775	230	26	4	19	25	153	50
MOLDING AND CASTING MACHINE OPERATORS	2 106	1 454	1 633	1 187	408	218	20	4	7	25	96	35
METAL PLATING MACHINE OPERATORS	566	211	475	194	73	12	-	-	6	-	24	11
HEAT TREATING EQUIPMENT OPERATORS	1 083	54	828	54	234	-	6	-	6	-	33	-
MISCELLANEOUS METAL AND PLASTIC PROCESSING MACHINE OPERATORS	256	47	196	43	60	-	-	-	-	-	-	4
WOODWORKING MACHINE OPERATORS	635	89	577	66	44	23	-	-	6	-	8	-
WOOD LATHE, ROUTING, AND PLANING MACHINE OPERATORS	13	-	13	-	-	-	-	-	-	-	-	-
SAWING MACHINE OPERATORS	365	60	325	54	26	6	-	-	6	-	8	-
SHAPING AND JOINING MACHINE OPERATORS	80	20	71	12	9	8	-	-	-	-	-	-
NAILING AND TACKING MACHINE OPERATORS	38	-	29	-	9	-	-	-	-	-	-	-
MISCELLANEOUS WOODWORKING MACHINE OPERATORS	139	9	139	-	-	9	-	-	-	-	-	-
PRINTING MACHINE OPERATORS	4 728	1 587	4 352	1 379	342	186	6	11	15	7	26	33
PRINTING MACHINE OPERATORS	3 696	631	3 362	511	300	112	6	4	15	-	26	14
PHOTOENGRAVERS AND LITHOGRAPHERS	263	68	248	53	15	11	-	-	-	4	-	-
TYPESETTERS AND COMPOSITORS	515	549	488	525	27	14	-	7	-	3	-	5
MISCELLANEOUS PRINTING MACHINE OPERATORS	254	339	254	290	-	49	-	-	-	-	-	14
TEXTILE, APPAREL, AND FURNISHINGS MACHINE OPERATORS	1 845	7 569	1 248	4 513	583	2 842	-	60	9	72	14	189
WINDING AND TWISTING MACHINE OPERATORS	21	6	14	6	7	-	-	-	-	-	-	-
KNITTING, LOOPING, TAPING, AND WEAVING MACHINE OPERATORS	2	31	2	31	-	-	-	-	-	-	-	-
TEXTILE CUTTING MACHINE OPERATORS	42	15	42	-	-	15	-	-	-	-	-	-
TEXTILE SEWING MACHINE OPERATORS	391	4 492	340	3 019	51	1 322	-	35	-	64	-	131
SHOE MACHINE OPERATORS	7	-	7	-	-	-	-	-	-	-	-	-
PRESSING MACHINE OPERATORS	180	848	62	348	115	477	-	7	-	5	3	11
LAUNDERING AND DRY CLEANING MACHINE OPERATORS	1 002	2 109	597	1 051	394	1 018	-	18	9	3	11	47
MISCELLANEOUS TEXTILE MACHINE OPERATORS	200	68	184	58	16	10	-	-	-	-	-	-
MACHINE OPERATORS, ASSORTED MATERIALS	42 038	12 912	33 106	9 792	8 258	2 934	192	42	184	36	752	338
CEMENTING AND GLUING MACHINE OPERATORS	186	201	140	152	39	49	-	-	-	-	12	-
PACKAGING AND FILLING MACHINE OPERATORS	780	553	619	423	146	129	-	-	-	-	15	11
EXTRUDING AND FORMING MACHINE OPERATORS	122	45	91	19	31	20	-	6	-	-	12	-
MIXING AND BLENDING MACHINE OPERATORS	1 280	160	978	98	273	48	5	7	9	-	37	12
SEPARATING, FILTERING, AND CLARIFYING MACHINE OPERATORS	703	44	620	34	83	10	-	-	-	-	17	-
COMPRESSING AND COMPACTING MACHINE OPERATORS	203	43	133	37	70	6	-	-	-	-	8	9
PAINTING AND PAINT SPRAYING MACHINE OPERATORS	3 576	505	2 820	409	720	96	13	-	-	-	69	6
ROASTING AND BAKING MACHINE OPERATORS, FOOD	65	4	36	4	20	-	-	-	-	-	9	-
WASHING, CLEANING, AND PICKLING MACHINE OPERATORS	214	22	174	12	31	10	9	-	-	-	6	-
FOLDING MACHINE OPERATORS	255	36	202	36	48	-	-	-	-	-	7	-
FURNACE, KILN, AND OVEN OPERATORS, EXCEPT FOOD	3 945	162	2 765	100	1 166	62	-	-	-	-	22	-
CRUSHING AND GRINDING MACHINE OPERATORS	803	62	543	41	247	21	-	-	-	-	34	-
SLICING AND CUTTING MACHINE OPERATORS	2 802	663	2 144	477	589	173	30	6	16	7	72	11
MOTION PICTURE PROJECTIONISTS	168	-	162	-	6	-	-	-	-	-	-	-
PHOTOGRAPHIC PROCESS MACHINE OPERATORS	947	1 011	889	897	37	108	-	-	14	6	10	27
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS	25 989	9 401	20 790	7 053	4 752	2 202	135	23	145	23	422	262
OCCUPATION:												
MISCELLANEOUS MACHINE OPERATORS, N.E.C.	7 243	2 439	5 919	1 783	1 240	605	19	7	22	-	70	100
MACHINE OPERATORS, NOT SPECIFIED	18 746	6 962	14 871	5 270	3 512	1 597	116	16	123	23	352	162
INDUSTRY:												
MANUFACTURING	23 814	8 245	19 024	6 295	4 389	1 824	121	7	130	23	366	235
NONDURABLE GOODS	3 316	2 779	2 707	2 205	552	500	14	7	30	19	38	99
FOOD AND KINDRED PRODUCTS	817	252	528	146	289	90	-	-	-	-	5	26
TOBACCO MANUFACTURES	-	-	-	-	-	-	-	-	-	-	-	-
TEXTILE MILL PRODUCTS	67	17	67	17	-	-	-	-	-	-	-	-
APPAREL AND OTHER FINISHED TEXTILE PRODUCTS	63	213	44	176	19	35	-	-	-	-	-	17
PAPER AND ALLIED PRODUCTS	611	240	577	162	26	64	-	5	8	-	3	9
PRINTING, PUBLISHING, AND ALLIED INDUSTRIES	299	330	299	249	-	75	-	-	-	-	-	21
CHEMICALS AND ALLIED PRODUCTS	899	624	761	486	110	121	-	-	20	8	23	3
PETROLEUM AND COAL PRODUCTS	36	9	31	9	5	-	-	-	-	-	-	-
RUBBER AND MISCELLANEOUS PLASTICS PRODUCTS	513	1 094	389	960	103	115	14	2	2	11	7	23
LEATHER AND LEATHER PRODUCTS	11	-	11	-	-	-	-	-	-	-	-	-
DURABLE GOODS	20 255	5 355	16 138	3 990	3 773	1 318	107	-	100	4	328	131
LUMBER AND WOOD PRODUCTS, EXCEPT FURNITURE	82	12	82	12	-	-	-	-	-	-	-	4
FURNITURE AND FIXTURES	115	28	80	28	35	-	-	-	-	-	-	-
STONE, CLAY, GLASS, AND CONCRETE PRODUCTS	454	267	275	232	163	30	-	-	6	-	7	5
PRIMARY METAL INDUSTRIES	2 487	309	1 935	203	481	106	15	-	10	-	100	7
BLAST FURNACES, STEELWORKS, ROLLING AND FINISHING MILLS	1 493	170	1 209	96	238	74	15	-	10	-	66	7

(1) PERSONS OF SPANISH ORIGIN MAY BE OF ANY RACE.

TABLE 219. (B) DETAILED OCCUPATION OF EMPLOYED PERSONS BY SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

[DATA ARE ESTIMATES BASED ON A SAMPLE; SEE INTRODUCTION. FOR MEANING OF SYMBOLS, SEE INTRODUCTION. FOR DEFINITIONS OF TERMS, SEE APPENDIXES A AND B]

DETROIT, MI SMSA

	SMSA											
	TOTAL		WHITE		BLACK		AMERICAN INDIAN, ESKIMO AND ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS-CON.												
INDUSTRY-CON.												
FABRICATED METAL INDUSTRIES	2 104	786	1 907	714	171	58	6	-	20	-	54	41
MACHINERY, EXCEPT ELECTRICAL	5 116	778	4 748	626	298	138	32	-	32	-	42	16
ELECTRICAL MACHINERY, EQUIPMENT, AND SUPPLIES	376	332	351	232	18	100	7	-	-	-	-	-
TRANSPORTATION EQUIPMENT	9 057	2 373	6 370	1 553	2 533	806	47	-	32	4	114	58
MOTOR VEHICLES AND MOTOR VEHICLE EQUIPMENT	8 746	2 322	6 101	1 534	2 499	774	47	-	32	4	114	58
OTHER TRANSPORTATION EQUIPMENT	311	51	269	19	34	32	-	-	-	-	-	-
PROFESSIONAL AND PHOTOGRAPHIC EQUIPMENT, AND WATCHES	138	63	132	58	6	5	-	-	-	-	-	-
MISCELLANEOUS MANUFACTURING INDUSTRIES	326	407	258	332	68	75	-	-	-	-	11	-
NOT SPECIFIED MANUFACTURING INDUSTRIES	243	111	179	100	64	6	-	-	-	-	-	5
NONMANUFACTURING INDUSTRIES	2 175	1 156	1 766	758	363	378	14	16	15	-	56	27
CONSTRUCTION	279	36	257	36	22	-	-	-	-	-	5	-
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	406	174	290	58	97	106	-	10	7	-	12	-
WHOLESALE TRADE	582	164	461	145	108	19	7	-	6	-	7	9
RETAIL TRADE	232	175	215	129	17	46	-	-	-	-	8	6
BUSINESS AND REPAIR SERVICES	302	196	281	151	21	41	-	-	-	-	3	4
PUBLIC ADMINISTRATION	81	38	53	18	26	20	-	-	2	-	5	-
ALL OTHER INDUSTRIES	293	373	209	221	72	146	7	6	-	-	16	8
FABRICATORS, ASSEMBLERS, AND HAND WORKING OCCUPATIONS	50 137	16 200	34 632	11 162	14 550	4 735	212	48	180	107	1 493	334
WELDERS AND CUTTERS	16 210	1 311	11 981	758	3 924	523	76	5	56	20	496	9
SOLDERERS AND BRAZERS	85	115	72	86	13	29	-	-	-	-	-	-
ASSEMBLERS	32 640	14 403	21 583	10 019	10 407	4 111	136	43	124	87	992	325
HAND CUTTING AND TRIMMING OCCUPATIONS	241	37	162	24	79	13	-	-	-	-	-	-
HAND MOLDING, CASTING, AND FORMING OCCUPATIONS	289	26	262	26	27	-	-	-	-	-	-	-
HAND PAINTING, COATING AND DECORATING OCCUPATIONS	401	118	344	107	57	11	-	-	-	-	-	-
HAND ENGRAVING AND PRINTING OCCUPATIONS	26	3	26	3	-	-	-	-	-	-	-	-
HAND GRINDING AND POLISHING OCCUPATIONS	43	5	39	5	4	-	-	-	-	-	-	-
MISCELLANEOUS HAND WORKING OCCUPATIONS	202	182	163	134	39	48	-	-	-	-	5	-
PRODUCTION INSPECTORS, TESTERS, SAMPLERS, AND WEIGHERS	15 668	5 573	11 955	4 000	3 435	1 464	60	49	54	35	309	76
PRODUCTION INSPECTORS, CHECKERS, AND EXAMINERS	13 915	4 958	10 496	3 555	3 185	1 309	53	34	43	35	254	70
PRODUCTION TESTERS	1 377	254	1 201	202	164	43	7	9	5	-	15	-
PRODUCTION SAMPLERS AND WEIGHERS	108	32	71	26	22	6	-	-	-	-	15	-
GRADERS AND SORTERS, EXCEPT AGRICULTURAL	268	329	187	217	64	106	-	6	6	-	25	6
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	66 625	7 164	53 272	5 756	12 521	1 358	426	34	160	-	917	103
MOTOR VEHICLE OPERATORS	42 736	6 116	34 648	5 006	7 694	1 071	228	28	77	-	495	63
SUPERVISORS, MOTOR VEHICLE OPERATORS	649	58	547	43	81	15	7	-	14	-	10	-
TRUCK DRIVERS, HEAVY	23 454	577	19 762	430	3 505	138	133	9	11	-	257	15
TRUCK DRIVERS, LIGHT	8 959	555	7 915	467	967	71	34	12	24	-	135	-
DRIVER-SALES WORKERS	3 664	363	3 335	292	319	71	7	-	-	-	11	15
BUS DRIVERS	2 349	4 120	1 052	3 454	1 251	653	27	7	8	-	34	22
TAXICAB DRIVERS AND CHAUFFEURS	2 909	361	1 632	247	1 239	114	5	-	20	-	42	5
PARKING LOT ATTENDANTS	718	76	381	67	322	9	15	-	-	-	6	6
MOTOR TRANSPORTATION OCCUPATIONS, N.E.C.	34	6	24	6	10	-	-	-	-	-	-	-
RAIL TRANSPORTATION OCCUPATIONS	2 815	61	2 617	39	159	22	24	-	15	-	9	-
RAILROAD CONDUCTORS AND YARDMASTERS	976	15	929	15	34	-	8	-	5	-	5	-
LOCOMOTIVE OPERATING OCCUPATIONS	821	32	743	17	78	15	-	-	-	-	4	-
RAILROAD BRAKE, SIGNAL, AND SWITCH OPERATORS	915	7	849	7	47	-	9	-	10	-	-	-
RAIL VEHICLE OPERATORS, N.E.C.	103	7	96	-	-	7	7	-	-	-	-	-
WATER TRANSPORTATION OCCUPATIONS	250	7	239	7	6	-	5	-	-	-	-	-
SHIP CAPTAINS AND MATES, EXCEPT FISHING BOATS	122	-	117	-	-	-	5	-	-	-	-	-
SAILORS AND DECKHANDS	86	7	80	7	6	-	-	-	-	-	-	-
MARINE ENGINEERS	24	-	24	-	-	-	-	-	-	-	-	-
BRIDGE, LOCK, AND LIGHTHOUSE TENDERS	18	-	18	-	-	-	-	-	-	-	-	-
MATERIAL MOVING EQUIPMENT OPERATORS	20 824	980	15 768	704	4 662	265	169	6	68	-	413	40
SUPERVISORS, MATERIAL MOVING EQUIPMENT OPERATORS	805	62	700	46	74	16	9	-	-	-	27	6
OPERATING ENGINEERS	1 823	-	1 584	-	230	-	6	-	3	-	6	-
LONGSHORE EQUIPMENT OPERATORS	13	-	6	-	7	-	-	-	-	-	-	-
HOIST AND WINCH OPERATORS	184	12	163	12	6	-	15	-	-	-	8	-
CRANE AND TOWER OPERATORS	3 261	80	2 324	45	844	35	23	-	21	-	116	-
EXCAVATING AND LOADING MACHINE OPERATORS	455	4	440	4	15	-	-	-	-	-	-	-
GRADER, DOZER, AND SCRAPER OPERATORS	389	10	330	10	59	-	-	-	-	-	6	-
INDUSTRIAL TRUCK AND TRACTOR EQUIPMENT OPERATORS	10 759	438	7 787	321	2 772	110	100	6	39	-	178	20
MISCELLANEOUS MATERIAL MOVING EQUIPMENT OPERATORS	3 135	374	2 434	266	655	104	16	-	5	-	72	14

(1) PERSONS OF SPANISH ORIGIN MAY BE OF ANY RACE.

TABLE 219. (B) DETAILED OCCUPATION OF EMPLOYED PERSONS BY SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

[DATA ARE ESTIMATES BASED ON A SAMPLE; SEE INTRODUCTION. FOR MEANING OF SYMBOLS, SEE INTRODUCTION. FOR DEFINITIONS OF TERMS, SEE APPENDIXES A AND B]

DETROIT, MI SMSA	SMSA											
	TOTAL		WHITE		BLACK		AMERICAN INDIAN, ESKIMO AND ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS.	51 266	11 785	40 855	9 177	9 544	2 449	150	43	294	55	1 025	185
SUPERVISORS; HANDLERS, EQUIPMENT CLEANERS, AND LABORERS, N.E.C.. . . .	61	-	53	-	8	-	-	-	-	-	-	-
HELPERS, MECHANICS AND REPAIRERS . . .	174	13	125	8	49	-	-	-	-	5	6	-
HELPERS, CONSTRUCTION AND EXTRACTIVE OCCUPATIONS.	862	12	639	12	208	-	-	-	9	-	12	-
HELPERS, CONSTRUCTION TRADES.	727	4	529	4	183	-	-	-	9	-	12	-
HELPERS, SURVEYOR	78	-	61	-	17	-	-	-	-	-	-	-
HELPERS, EXTRACTIVE OCCUPATIONS . . .	57	8	49	8	8	-	-	-	-	-	-	-
CONSTRUCTION LABORERS.	5 188	171	3 920	129	1 189	34	24	-	24	-	85	13
PRODUCTION HELPERS	1 280	374	1 040	297	197	69	-	-	28	8	23	-
FREIGHT, STOCK, AND MATERIAL HANDLERS.	19 488	3 600	16 510	3 003	2 763	557	39	18	70	6	313	35
GARBAGE COLLECTORS.	941	20	588	5	341	15	-	-	-	-	20	-
STEVEDORES.	29	-	24	-	5	-	-	-	-	-	-	-
STOCK HANDLERS AND BAGGERS.	12 677	2 915	11 084	2 613	1 462	270	20	18	55	2	173	29
MACHINE FEEDERS AND OFFBEARERS. . . .	603	263	530	178	73	77	-	-	-	4	17	6
FREIGHT, STOCK, AND MATERIAL HANDLERS, N.E.C.	5 238	402	4 284	207	882	195	19	-	15	-	103	-
GARAGE AND SERVICE STATION RELATED OCCUPATIONS	4 836	320	4 150	246	621	68	14	-	26	6	65	-
VEHICLE WASHERS AND EQUIPMENT CLEANERS.	3 083	314	2 376	219	654	95	-	-	35	-	60	5
HAND PACKERS AND PACKAGERS	2 601	4 431	1 985	3 523	581	836	13	15	7	25	85	92
LABORERS, EXCEPT CONSTRUCTION.	13 693	2 550	10 057	1 740	3 274	790	60	10	95	5	376	40
MANUFACTURING	7 191	1 301	4 919	835	2 075	459	34	7	39	-	242	20
NONDURABLE GOODS	1 103	318	809	243	257	75	-	-	11	-	47	10
FOOD AND KINDRED PRODUCTS	496	85	347	79	137	6	-	-	7	-	17	10
TEXTILE MILL AND FINISHED TEXTILE PRODUCTS	66	30	51	17	10	13	-	-	-	-	1	-
PAPER AND ALLIED PRODUCTS	134	32	119	14	15	18	-	-	-	-	-	-
CHEMICALS AND ALLIED PRODUCTS . . .	251	92	160	72	71	20	-	-	4	-	29	-
RUBBER AND MISCELLANEOUS PLASTICS PRODUCTS.	80	59	66	41	14	18	-	-	-	-	-	-
OTHER NONDURABLE GOODS.	76	20	66	20	10	-	-	-	-	-	-	-
DURABLE GOODS.	5 988	954	4 049	587	1 779	360	34	7	28	-	189	10
FURNITURE, LUMBER, AND WOOD PRODUCTS	164	23	141	23	17	-	-	-	-	-	12	-
STONE, CLAY, GLASS, AND CONCRETE PRODUCTS	256	80	177	80	64	-	-	-	-	-	15	-
PRIMARY METAL INDUSTRIES.	1 641	192	1 143	100	430	85	22	7	6	-	75	10
FABRICATED METAL INDUSTRIES	582	186	443	142	123	44	-	-	11	-	8	-
MACHINERY, EXCEPT ELECTRICAL. . . .	531	78	452	63	72	15	-	-	-	-	7	-
ELECTRICAL MACHINERY, EQUIPMENT, AND SUPPLIES	83	26	60	11	23	15	-	-	-	-	-	-
TRANSPORTATION EQUIPMENT.	2 593	305	1 510	144	1 035	161	12	-	11	-	53	-
MOTOR VEHICLES AND MOTOR VEHICLE EQUIPMENT	2 478	294	1 424	139	1 006	155	12	-	11	-	53	-
OTHER DURABLE GOODS	138	64	123	24	15	40	-	-	-	-	19	-
NOT SPECIFIED MANUFACTURING INDUSTRIES.	100	29	61	5	39	24	-	-	-	-	6	-
NONMANUFACTURING INDUSTRIES	6 502	1 249	5 138	905	1 199	331	26	3	56	5	134	20
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES.	1 394	148	966	110	375	38	4	-	-	-	61	-
WHOLESALE TRADE.	2 066	334	1 713	286	284	43	7	-	43	-	33	5
RETAIL TRADE	1 450	292	1 272	267	158	17	15	3	-	5	25	-
BUSINESS AND REPAIR SERVICES	458	87	398	60	60	27	-	-	-	-	3	-
PUBLIC ADMINISTRATION.	417	85	234	2	183	83	-	-	-	-	-	-
ALL OTHER INDUSTRIES	717	303	555	180	139	123	-	-	13	-	12	15

(1) PERSONS OF SPANISH ORIGIN MAY BE OF ANY RACE.

TABLE 219. (B) DETAILED OCCUPATION OF EMPLOYED PERSONS BY SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

[DATA ARE ESTIMATES BASED ON A SAMPLE; SEE INTRODUCTION. FOR MEANING OF SYMBOLS, SEE INTRODUCTION. FOR DEFINITIONS OF TERMS, SEE APPENDIXES A AND B]

FLINT, MI SMSA

	SMSA											
	TOTAL		WHITE		BLACK		AMERICAN INDIAN, ESKIMO AND ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
EMPLOYED PERSONS 16 YEARS AND OVER	118 319	81 263	104 273	68 932	12 317	11 325	594	403	469	238	1 345	825
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS	19 599	15 302	18 108	13 514	1 073	1 643	40	30	331	83	127	101
EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS	9 419	4 037	8 823	3 586	515	399	5	3	63	17	40	63
LEGISLATORS, CHIEF EXECUTIVES AND GENERAL ADMINISTRATORS; PUBLIC ADMINISTRATION	52	17	45	9	7	8	-	-	-	-	-	-
ADMINISTRATORS AND OFFICIALS, PUBLIC ADMINISTRATION	182	144	159	137	13	7	-	-	10	-	-	6
FEDERAL	22	8	22	1	-	7	-	-	-	-	-	-
STATE	56	35	41	35	5	-	-	-	10	-	-	6
LOCAL	104	101	96	101	8	-	-	-	-	-	-	-
ADMINISTRATORS, PROTECTIVE SERVICES	29	14	29	14	-	-	-	-	-	-	-	-
FINANCIAL MANAGERS	361	252	361	237	-	9	-	-	-	-	-	6
PERSONNEL AND LABOR RELATIONS MANAGERS	190	117	182	94	8	18	-	-	-	-	-	5
PURCHASING MANAGERS	60	11	60	11	-	-	-	-	-	-	-	-
MANAGERS, MARKETING, ADVERTISING, AND PUBLIC RELATIONS	781	120	756	120	25	-	-	-	-	-	7	-
ADMINISTRATORS, EDUCATION AND RELATED FIELDS	553	262	488	226	59	27	-	-	6	-	-	9
MANAGERS, MEDICINE AND HEALTH	68	55	68	44	-	11	-	-	-	-	-	5
MANAGERS, PROPERTIES AND REAL ESTATE	151	99	144	94	7	5	-	-	-	-	-	-
POSTMASTERS AND MAIL SUPERINTENDENTS	21	10	21	10	-	-	-	-	-	-	-	-
FUNERAL DIRECTORS	57	21	57	21	-	-	-	-	-	-	-	-
MANAGERS AND ADMINISTRATORS, N.E.C., SALARIED	4 132	1 472	3 871	1 331	212	132	5	-	31	4	18	20
CONSTRUCTION	189	20	170	20	19	-	-	-	-	-	-	-
MANUFACTURING	951	62	893	62	46	-	-	-	12	-	-	6
NONDURABLE GOODS	169	2	169	2	-	-	-	-	-	-	-	-
DURABLE GOODS	782	60	724	60	46	-	-	-	12	-	-	6
TRANSPORTATION	231	28	217	21	14	7	-	-	-	-	-	-
COMMUNICATIONS, UTILITIES AND SANITARY SERVICES	94	37	94	30	-	7	-	-	-	-	-	-
WHOLESALE TRADE	460	35	448	35	6	-	-	-	6	-	-	-
RETAIL TRADE	1 048	538	948	513	82	21	5	-	-	4	18	5
GENERAL MERCHANDISE STORES	49	74	49	66	-	8	-	-	-	-	-	-
FOOD, BAKERY, AND DAIRY STORES	125	47	119	47	6	-	-	-	-	-	-	-
AUTOMOTIVE DEALERS AND GASOLINE STATIONS	126	23	116	23	10	-	-	-	-	-	-	-
EATING AND DRINKING PLACES	524	285	446	268	60	13	5	-	-	4	13	5
OTHER RETAIL TRADE	224	109	218	109	6	-	-	-	-	-	5	-
FINANCE, INSURANCE, AND REAL ESTATE	197	99	197	87	-	12	-	-	-	-	-	-
BUSINESS AND REPAIR SERVICES	208	30	208	30	-	-	-	-	-	-	-	-
PERSONAL SERVICES	88	146	88	137	-	9	-	-	-	-	-	-
ALL OTHER INDUSTRIES	666	477	608	396	45	76	-	-	13	-	-	9
MANAGERS AND ADMINISTRATORS, N.E.C., SELF-EMPLOYED	517	172	501	160	11	-	-	-	5	5	-	7
CONSTRUCTION	87	-	87	-	-	-	-	-	-	-	-	-
MANUFACTURING	39	4	32	4	7	-	-	-	-	-	-	-
NONDURABLE GOODS	20	2	13	2	7	-	-	-	-	-	-	-
DURABLE GOODS	19	2	19	2	-	-	-	-	-	-	-	-
TRANSPORTATION	-	-	-	-	-	-	-	-	-	-	-	-
COMMUNICATIONS, UTILITIES AND SANITARY SERVICES	-	-	-	-	-	-	-	-	-	-	-	-
WHOLESALE TRADE	43	-	43	-	-	-	-	-	-	-	-	-
RETAIL TRADE	190	91	185	79	-	-	-	-	5	5	-	7
GENERAL MERCHANDISE STORES	-	-	-	-	-	-	-	-	-	-	-	-
FOOD, BAKERY, AND DAIRY STORES	50	13	50	13	-	-	-	-	-	-	-	-
AUTOMOTIVE DEALERS AND GASOLINE STATIONS	-	-	-	-	-	-	-	-	-	-	-	-
EATING AND DRINKING PLACES	108	60	103	55	-	-	-	-	5	5	-	-
OTHER RETAIL TRADE	32	18	32	11	-	-	-	-	-	-	-	7
FINANCE, INSURANCE, AND REAL ESTATE	19	13	19	13	-	-	-	-	-	-	-	-
BUSINESS AND REPAIR SERVICES	49	18	45	18	4	-	-	-	-	-	-	-
PERSONAL SERVICES	64	41	64	41	-	-	-	-	-	-	-	-
ALL OTHER INDUSTRIES	26	5	26	5	-	-	-	-	-	-	-	-
MANAGEMENT RELATED OCCUPATIONS	2 265	1 271	2 081	1 078	173	182	-	3	11	8	15	5
ACCOUNTANTS AND AUDITORS	842	463	793	378	45	85	-	-	4	-	7	5
UNDERWRITERS	-	3	-	3	-	-	-	-	-	-	-	-
OTHER FINANCIAL OFFICERS	314	297	294	297	20	-	-	-	-	-	-	-
MANAGEMENT ANALYSTS	72	27	72	24	-	3	-	-	-	-	-	-
PERSONNEL, TRAINING, AND LABOR RELATIONS SPECIALISTS	443	349	374	256	62	82	-	3	7	8	-	-
PURCHASING AGENTS AND BUYERS, FARM PRODUCTS	2	-	2	-	-	-	-	-	-	-	-	-
BUYERS, WHOLESALE AND RETAIL TRADE EXCEPT FARM PRODUCTS	102	50	102	50	-	-	-	-	-	-	-	-
PURCHASING AGENTS AND BUYERS, N.E.C.	217	60	203	60	14	-	-	-	-	-	8	-
BUSINESS AND PROMOTION AGENTS	13	8	13	8	-	-	-	-	-	-	-	-
CONSTRUCTION INSPECTORS	81	-	81	-	-	-	-	-	-	-	-	-
INSPECTORS AND COMPLIANCE OFFICERS, EXC. CONSTRUCTION	139	12	107	-	32	12	-	-	-	-	-	-
MANAGEMENT RELATED OCCUPATIONS, N.E.C.	40	2	40	2	-	-	-	-	-	-	-	-
PROFESSIONAL SPECIALTY OCCUPATIONS	10 180	11 265	9 285	9 928	558	1 244	35	27	268	66	87	38
ENGINEERS, ARCHITECTS, AND SURVEYORS	2 599	165	2 434	128	89	37	13	-	56	-	26	-
ARCHITECTS	81	-	81	-	-	-	-	-	-	-	-	-
ENGINEERS	2 465	165	2 300	128	89	37	13	-	56	-	26	-
AEROSPACE	-	-	-	-	-	-	-	-	-	-	-	-
METALLURGICAL AND MATERIALS	117	6	111	6	6	-	-	-	-	-	-	-
MINING	-	-	-	-	-	-	-	-	-	-	-	-
PETROLEUM	-	-	-	-	-	-	-	-	-	-	-	-
CHEMICAL	35	-	35	-	-	-	-	-	-	-	-	-
NUCLEAR	-	-	-	-	-	-	-	-	-	-	-	-
CIVIL	135	-	135	-	-	-	-	-	-	-	-	-
AGRICULTURAL	-	-	-	-	-	-	-	-	-	-	-	-
ELECTRICAL AND ELECTRONIC	271	33	247	24	17	9	-	-	-	-	7	-
INDUSTRIAL	408	55	396	48	6	7	6	-	-	-	-	-
MECHANICAL	1 318	58	1 206	43	56	15	-	-	56	-	19	-
MARINE AND NAVAL ARCHITECTS	-	-	-	-	-	-	-	-	-	-	-	-
ENGINEERS, N.E.C.	181	13	170	7	4	6	7	-	-	-	-	-
SURVEYORS AND MAPPING SCIENTISTS	53	-	53	-	-	-	-	-	-	-	-	-

(1) PERSONS OF SPANISH ORIGIN MAY BE OF ANY RACE.

TABLE 219. (B) DETAILED OCCUPATION OF EMPLOYED PERSONS BY SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

[DATA ARE ESTIMATES BASED ON A SAMPLE; SEE INTRODUCTION. FOR MEANING OF SYMBOLS, SEE INTRODUCTION. FOR DEFINITIONS OF TERMS, SEE APPENDIXES A AND B]

FLINT, MI SMSA

	SMSA											
	TOTAL		WHITE		BLACK		AMERICAN INDIAN, ESKIMO AND ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
MATHEMATICAL AND COMPUTER SCIENTISTS	288	51	256	45	19	-	-	-	6	6	7	-
COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS	153	30	147	30	-	-	-	-	6	-	-	-
OPERATIONS AND SYSTEMS RESEARCHERS AND ANALYSTS	73	15	59	15	7	-	-	-	-	-	7	-
ACTUARIES	-	-	-	-	-	-	-	-	-	-	-	-
STATISTICIANS	62	6	50	-	12	-	-	-	-	6	-	-
MATHEMATICAL SCIENTISTS, N.E.C.	-	-	-	-	-	-	-	-	-	-	-	-
NATURAL SCIENTISTS	179	28	150	28	12	-	-	-	17	-	-	-
PHYSICISTS AND ASTRONOMERS	-	-	-	-	-	-	-	-	-	-	-	-
CHEMISTS, EXCEPT BIOCHEMISTS	102	6	93	6	-	-	-	-	9	-	-	-
ATMOSPHERIC AND SPACE SCIENTISTS	29	-	15	-	6	-	-	-	8	-	-	-
GEOLOGISTS AND GEODESISTS	-	-	-	-	-	-	-	-	-	-	-	-
PHYSICAL SCIENTISTS, N.E.C.	8	-	8	-	-	-	-	-	-	-	-	-
AGRICULTURAL AND FOOD SCIENTISTS	22	-	16	-	6	-	-	-	-	-	-	-
BIOLOGICAL AND LIFE SCIENTISTS	5	12	5	12	-	-	-	-	-	-	-	-
FORESTRY AND CONSERVATION SCIENTISTS	7	-	7	-	-	-	-	-	-	-	-	-
MEDICAL SCIENTISTS	6	10	6	10	-	-	-	-	-	-	-	-
HEALTH DIAGNOSING OCCUPATIONS	1 081	142	868	100	55	14	11	-	147	28	6	-
PHYSICIANS	610	127	413	85	39	14	11	-	147	28	-	-
DENTISTS	242	5	226	5	16	-	-	-	-	-	-	-
VETERINARIANS	100	6	100	6	-	-	-	-	-	-	-	-
OPTOMETRISTS	55	4	55	4	-	-	-	-	-	-	6	-
PODIATRISTS	31	-	31	-	-	-	-	-	-	-	-	-
HEALTH DIAGNOSING PRACTITIONERS, N.E.C.	43	-	43	-	-	-	-	-	-	-	-	-
HEALTH ASSESSMENT AND TREATING OCCUPATIONS	423	3 306	366	2 966	51	324	-	14	-	2	18	22
REGISTERED NURSES	93	2 767	61	2 506	32	245	-	14	-	2	12	22
PHARMACISTS	206	134	201	126	5	8	-	-	-	-	-	-
DIETITIANS	-	140	-	124	-	16	-	-	-	-	-	-
THERAPISTS	97	239	92	192	5	47	-	-	-	-	-	-
INHALATION THERAPISTS	52	63	52	35	-	28	-	-	-	-	-	-
OCCUPATIONAL THERAPISTS	-	6	-	-	-	6	-	-	-	-	-	-
PHYSICAL THERAPISTS	12	76	12	69	-	7	-	-	-	-	-	-
SPEECH THERAPISTS	20	51	20	45	-	6	-	-	-	-	-	-
THERAPISTS, N.E.C.	13	43	8	43	5	-	-	-	-	-	-	-
PHYSICIANS' ASSISTANTS	27	26	12	18	9	8	-	-	-	-	6	-
TEACHERS, POSTSECONDARY	350	303	331	249	13	54	-	-	6	-	-	-
BIOLOGICAL SCIENCE TEACHERS	13	7	13	7	-	-	-	-	-	-	-	-
CHEMISTRY TEACHERS	-	-	-	-	-	-	-	-	-	-	-	-
PHYSICS TEACHERS	6	-	6	-	-	-	-	-	-	-	-	-
OTHER NATURAL SCIENCE TEACHERS	-	-	-	-	-	-	-	-	-	-	-	-
PSYCHOLOGY TEACHERS	-	9	-	9	-	-	-	-	-	-	-	-
ECONOMICS TEACHERS	5	-	5	-	-	-	-	-	-	-	-	-
HISTORY TEACHERS	13	-	5	-	8	-	-	-	-	-	-	-
OTHER SOCIAL SCIENCE TEACHERS	-	-	-	-	-	-	-	-	-	-	-	-
ENGINEERING TEACHERS	31	-	31	-	-	-	-	-	-	-	-	-
MATHEMATICAL AND COMPUTER SCIENCE TEACHERS	24	28	24	19	-	9	-	-	-	-	-	-
MEDICAL SCIENCE TEACHERS	-	-	-	-	-	-	-	-	-	-	-	-
HEALTH SPECIALTIES TEACHERS	-	40	-	34	-	6	-	-	-	-	-	-
BUSINESS, COMMERCE, AND MARKETING TEACHERS	-	-	-	-	-	-	-	-	-	-	-	-
ART, DRAMA, AND MUSIC TEACHERS	16	-	16	-	-	-	-	-	-	-	-	-
ENGLISH TEACHERS	-	18	-	18	-	-	-	-	-	-	-	-
FOREIGN LANGUAGE TEACHERS	-	-	-	-	-	-	-	-	-	-	-	-
OTHER SPECIFIED TEACHERS	20	6	20	6	-	-	-	-	-	-	-	-
POSTSECONDARY TEACHERS, SUBJECT NOT SPECIFIED	222	195	211	156	5	39	-	-	6	-	-	-
TEACHERS, EXCEPT POSTSECONDARY	2 574	5 238	2 380	4 664	177	565	3	3	6	6	12	16
TEACHERS, PREKINDERGARTEN AND KINDERGARTEN	14	183	14	172	-	11	-	-	-	-	-	7
TEACHERS, ELEMENTARY SCHOOL	1 476	3 670	1 361	3 227	106	434	3	3	6	6	-	-
TEACHERS, SECONDARY SCHOOL	935	999	860	893	67	106	-	-	-	-	12	7
TEACHERS, SPECIAL EDUCATION	17	43	17	40	-	3	-	-	-	-	-	-
TEACHERS, N.E.C.	132	343	128	332	4	11	-	-	-	-	-	2
COUNSELORS, EDUCATIONAL AND VOCATIONAL	160	172	142	110	18	61	-	-	-	1	-	-
LIBRARIANS, ARCHIVISTS, AND CURATORS	19	343	19	313	-	14	-	6	-	10	-	-
LIBRARIANS	14	343	14	313	-	14	-	6	-	10	-	-
ARCHIVISTS AND CURATORS	5	-	5	-	-	-	-	-	-	-	-	-
SOCIAL SCIENTISTS AND URBAN PLANNERS	119	86	102	86	5	-	-	-	12	-	-	-
ECONOMISTS	27	33	16	33	5	-	-	-	6	-	-	-
PSYCHOLOGISTS	63	53	63	53	-	-	-	-	-	-	-	-
SOCIOLOGISTS	7	-	7	-	-	-	-	-	-	-	-	-
SOCIAL SCIENTISTS, N.E.C.	-	-	-	-	-	-	-	-	-	-	-	-
URBAN PLANNERS	22	-	16	-	-	-	-	-	6	-	-	-
SOCIAL, RECREATION, AND RELIGIOUS WORKERS	839	647	784	500	46	138	2	4	7	5	-	-
SOCIAL WORKERS	294	534	276	392	18	133	-	4	-	5	-	-
RECREATION WORKERS	8	17	8	17	-	-	-	-	-	-	-	-
CLERGY	511	46	482	41	22	5	-	-	7	-	-	-
RELIGIOUS WORKERS, N.E.C.	26	50	18	50	6	-	2	-	-	-	-	-
LAWYERS AND JUDGES	521	82	495	75	26	7	-	-	-	-	7	-
LAWYERS	472	82	453	75	19	7	-	-	-	-	7	-
JUDGES	49	-	42	-	7	-	-	-	-	-	-	-
WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES	1 028	702	958	664	47	30	6	-	11	8	11	-
AUTHORS	9	18	9	18	-	-	-	-	-	-	-	-
TECHNICAL WRITERS	19	10	19	10	-	-	-	-	-	-	-	-
DESIGNERS	331	205	326	205	-	-	-	-	5	-	-	-
MUSICIANS AND COMPOSERS	133	74	110	74	17	-	-	-	6	-	5	-
ACTORS AND DIRECTORS	36	25	28	25	8	-	-	-	-	-	-	-
PAINTERS, SCULPTORS, CRAFT-ARTISTS, AND ARTIST PRINTMAKERS	48	43	42	43	-	-	6	-	-	-	-	-
PHOTOGRAPHERS	95	54	89	48	6	6	-	-	-	-	-	-
DANCERS	-	-	-	-	-	-	-	-	-	-	-	-
ARTISTS, PERFORMERS AND RELATED WORKERS, N.E.C.	23	28	23	23	-	5	-	-	-	-	-	-
EDITORS AND REPORTERS	96	120	90	100	-	12	-	-	-	8	6	-
PUBLIC RELATIONS SPECIALISTS	70	67	70	67	-	-	-	-	-	-	-	-
ANNOUNCERS	138	27	127	27	11	-	-	-	-	-	-	-
ATHLETES	30	31	25	24	5	7	-	-	-	-	-	-

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	SMSA											
	TOTAL		WHITE		BLACK		AMERICAN INDIAN, ESKIMO AND ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS	16 825	33 976	15 639	30 427	1 033	3 211	93	144	34	79	128	279
TECHNICIANS AND RELATED SUPPORT OCCUPATIONS	1 990	2 696	1 898	2 323	75	320	5	12	12	23	17	18
HEALTH TECHNOLOGISTS AND TECHNICIANS	309	2 229	275	1 914	17	277	5	12	12	16	-	10
CLINICAL LABORATORY TECHNOLOGISTS AND TECHNICIANS	92	399	63	334	17	58	-	-	12	7	-	-
DENTAL HYGIENISTS	-	207	-	201	-	6	-	-	-	-	-	-
HEALTH RECORD TECHNOLOGISTS AND TECHNICIANS	-	27	-	27	-	-	-	-	-	-	-	-
RADIOLOGIC TECHNICIANS	81	152	76	146	-	6	5	-	-	-	-	-
LICENSED PRACTICAL NURSES	25	1 264	25	1 041	-	196	-	12	-	5	-	10
HEALTH TECHNOLOGISTS AND TECHNICIANS, N.E.C.	111	180	111	165	-	11	-	-	-	4	-	-
ENGINEERING AND RELATED TECHNOLOGISTS AND TECHNICIANS	1 156	109	1 121	102	35	-	-	-	-	7	9	-
ELECTRICAL AND ELECTRONIC TECHNICIANS	155	14	148	14	7	-	-	-	-	-	-	-
INDUSTRIAL ENGINEERING TECHNICIANS	8	5	8	5	-	-	-	-	-	-	-	-
MECHANICAL ENGINEERING TECHNICIANS	141	-	134	-	7	-	-	-	-	-	-	-
ENGINEERING TECHNICIANS, N.E.C.	272	45	266	38	6	-	-	-	-	7	-	-
DRAFTING OCCUPATIONS	520	30	505	30	15	-	-	-	-	-	9	-
SURVEYING AND MAPPING TECHNICIANS	60	15	60	15	-	-	-	-	-	-	-	-
SCIENCE TECHNICIANS	73	29	65	18	8	11	-	-	-	-	-	-
BIOLOGICAL TECHNICIANS	7	16	7	16	-	-	-	-	-	-	-	-
CHEMICAL TECHNICIANS	23	11	15	-	8	11	-	-	-	-	-	-
SCIENCE TECHNICIANS, N.E.C.	43	2	43	2	-	-	-	-	-	-	-	-
TECHNICIANS, EXCEPT HEALTH, ENGINEERING, AND SCIENCE	452	329	437	289	15	32	-	-	-	-	8	8
AIRPLANE PILOTS AND NAVIGATORS	34	-	34	-	-	-	-	-	-	-	8	-
AIR TRAFFIC CONTROLLERS	23	-	23	-	-	-	-	-	-	-	-	-
BROADCAST EQUIPMENT OPERATORS	53	96	53	86	-	10	-	-	-	-	-	-
COMPUTER PROGRAMMERS	236	127	221	127	15	-	-	-	-	-	-	-
TOOL PROGRAMMERS, NUMERICAL CONTROL	-	-	-	-	-	-	-	-	-	-	-	-
LEGAL ASSISTANTS	12	21	12	21	-	-	-	-	-	-	-	-
TECHNICIANS, N.E.C.	94	85	94	55	-	22	-	-	-	-	-	8
SALES OCCUPATIONS	8 621	9 797	8 136	8 922	443	785	27	46	5	16	43	76
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS, SALARIED	1 602	615	1 504	570	91	39	-	-	-	6	4	9
MANUFACTURING	39	6	39	-	-	6	-	-	-	-	-	-
WHOLESALE TRADE	129	12	123	12	6	-	-	-	-	-	-	-
RETAIL TRADE	1 373	583	1 281	551	85	26	-	-	-	6	4	9
ALL OTHER INDUSTRIES	61	14	61	7	-	7	-	-	-	-	-	-
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS, SELF-EMPLOYED	428	248	409	248	14	-	-	-	5	-	-	-
MANUFACTURING	-	-	-	-	-	-	-	-	-	-	-	-
WHOLESALE TRADE	19	-	19	-	-	-	-	-	-	-	-	-
RETAIL TRADE	394	240	375	240	14	-	-	-	5	-	-	-
ALL OTHER INDUSTRIES	15	8	15	8	-	-	-	-	-	-	-	-
SALES REPRESENTATIVES, FINANCE AND BUSINESS SERVICES	1 724	831	1 636	799	81	32	7	-	-	-	-	10
INSURANCE SALES OCCUPATIONS	636	174	612	158	24	16	-	-	-	-	-	-
REAL ESTATE SALES OCCUPATIONS	586	394	579	389	-	5	7	-	-	-	-	-
SECURITIES AND FINANCIAL SERVICES SALES OCCUPATIONS	175	20	142	14	33	6	-	-	-	-	-	-
ADVERTISING AND RELATED SALES OCCUPATIONS	114	31	97	31	17	-	-	-	-	-	-	-
SALES OCCUPATIONS, OTHER BUSINESS SERVICES	213	212	206	207	7	5	-	-	-	-	-	10
SALES REPRESENTATIVES, COMMODITIES, EXCEPT RETAIL	1 374	143	1 333	143	34	-	7	-	-	-	-	-
SALES ENGINEERS	55	-	55	-	-	-	-	-	-	-	-	-
SALES REPRESENTATIVES, MINING, MANUFACTURING, AND WHOLESALE	1 319	143	1 278	143	34	-	7	-	-	-	-	-
WHOLESALE TRADE	929	101	902	101	20	-	7	-	-	-	-	-
SALES WORKERS, RETAIL AND PERSONAL SERVICES	3 455	7 932	3 216	7 134	223	714	13	46	-	10	39	57
SALES WORKERS, MOTOR VEHICLES AND BOATS	416	86	406	86	10	-	-	-	-	-	8	-
SALES WORKERS, APPAREL	192	757	168	674	24	76	-	7	-	-	-	-
SALES WORKERS, SHOES	111	158	96	147	15	11	-	-	-	-	-	-
SALES WORKERS, FURNITURE AND HOME FURNISHINGS	207	121	191	114	16	-	-	7	-	-	-	-
SALES WORKERS, RADIO, TV, HI-FI, AND APPLIANCES	228	104	225	87	3	17	-	-	-	-	10	-
SALES WORKERS, HARDWARE AND BUILDING SUPPLIES	286	93	266	93	20	-	-	-	-	-	7	-
SALES WORKERS, PARTS	336	18	333	18	-	-	-	-	-	-	-	-
SALES WORKERS, OTHER COMMODITIES	693	2 550	673	2 353	7	160	13	20	-	10	-	24
RETAIL TRADE	660	2 476	640	2 304	7	135	13	20	-	10	-	23
PERSONAL, BUSINESS AND REPAIR SERVICES	-	19	-	19	-	-	-	-	-	-	-	-
ALL OTHER INDUSTRIES	33	55	33	30	-	25	-	-	-	-	-	1
SALES COUNTER CLERKS	42	168	42	168	-	-	-	-	-	-	-	-
CASHIERS	655	3 382	539	2 929	116	420	-	12	-	-	14	27
STREET AND DOOR-TO-DOOR SALES WORKERS	86	420	86	403	-	17	-	-	-	-	-	6
NEWS VENDORS	203	75	191	62	12	13	-	-	-	-	-	-
SALES RELATED OCCUPATIONS	38	28	38	28	-	-	-	-	-	-	-	-
DEMONSTRATORS, PROMOTERS AND MODELS, SALES	8	7	8	7	-	-	-	-	-	-	-	-
AUCTIONEERS	9	-	9	-	-	-	-	-	-	-	-	-
SALES SUPPORT OCCUPATIONS, N.E.C.	21	21	21	21	-	-	-	-	-	-	-	-
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL	6 214	21 483	5 605	19 182	515	2 106	61	86	17	40	68	185
SUPERVISORS, ADMINISTRATIVE SUPPORT OCCUPATIONS	990	807	945	734	39	73	6	-	-	-	7	7
SUPERVISORS, GENERAL OFFICE	520	570	511	542	9	28	-	-	-	-	7	7
SUPERVISORS, COMPUTER EQUIPMENT OPERATORS	21	14	21	14	-	-	-	-	-	-	-	-
SUPERVISORS, FINANCIAL RECORDS PROCESSING	190	127	178	112	6	15	6	-	-	-	-	-
CHIEF COMMUNICATIONS OPERATORS	70	29	64	29	6	-	-	-	-	-	-	-
SUPERVISORS; DISTRIBUTION, SCHEDULING, AND ADJUSTING CLERKS	189	67	171	37	18	30	-	-	-	-	-	-

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	TOTAL		WHITE		BLACK		AMERICAN INDIAN, ESKIMO AND ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
COMPUTER EQUIPMENT OPERATORS	127	460	121	367	6	93	-	-	-	-	-	-
COMPUTER OPERATORS	127	434	121	348	6	86	-	-	-	-	-	-
PERIPHERAL EQUIPMENT OPERATORS	-	26	-	19	-	7	-	-	-	-	-	-
SECRETARIES, STENOGRAPHERS, AND TYPISTS	68	7 552	68	6 957	-	569	-	1	-	6	-	72
SECRETARIES	31	6 364	31	5 930	-	408	-	1	-	6	-	58
STENOGRAPHERS	-	79	-	79	-	-	-	-	-	-	-	-
TYPISTS	37	1 109	37	948	-	161	-	-	-	-	-	14
INFORMATION CLERKS	113	1 321	108	1 127	5	164	-	20	-	6	-	7
INTERVIEWERS	13	122	8	93	5	29	-	-	-	-	-	-
HOTEL CLERKS	9	34	9	34	-	-	-	-	-	-	-	-
TRANSPORTATION TICKET AND RESERVATION AGENTS	48	29	48	29	-	-	-	-	-	-	-	-
RECEPTIONISTS	30	986	30	837	-	125	-	20	-	-	-	7
INFORMATION CLERKS, N.E.C.	13	150	13	134	-	10	-	-	-	6	-	-
RECORDS PROCESSING OCCUPATIONS, EXCEPT FINANCIAL	488	1 168	416	981	70	164	-	6	2	5	-	18
CLASSIFIED-AD CLERKS	8	6	8	6	-	-	-	-	-	-	-	-
CORRESPONDENCE CLERKS	7	7	7	7	-	-	-	-	-	-	-	-
ORDER CLERKS	316	434	285	334	29	89	-	6	2	5	-	13
PERSONNEL CLERKS, EXCEPT PAYROLL AND TIMEKEEPING	4	60	4	54	-	6	-	-	-	-	-	-
LIBRARY CLERKS	31	169	4	154	27	15	-	-	-	-	-	-
FILE CLERKS	81	354	75	292	6	50	-	-	-	-	-	5
RECORDS CLERKS	41	138	33	134	8	4	-	-	-	-	-	-
FINANCIAL RECORDS PROCESSING OCCUPATIONS	328	3 045	274	2 816	50	173	4	25	-	21	7	24
BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS	217	2 384	179	2 187	34	151	4	25	-	21	7	7
PAYROLL AND TIMEKEEPING CLERKS	51	265	45	233	6	22	-	-	-	-	-	10
BILLING CLERKS	11	259	11	259	-	-	-	-	-	-	-	7
COST AND RATE CLERKS	43	82	39	82	4	-	-	-	-	-	-	-
BILLING, POSTING, AND CALCULATING MACHINE OPERATORS	6	55	-	55	6	-	-	-	-	-	-	-
DUPLICATING, MAIL, AND OTHER OFFICE MACHINE OPERATORS	9	63	9	63	-	-	-	-	-	-	-	-
DUPLICATING MACHINE OPERATORS	2	44	2	44	-	-	-	-	-	-	-	-
MAIL PREPARING AND PAPER HANDLING MACHINE OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-
OFFICE MACHINE OPERATORS, N.E.C.	7	19	7	19	-	-	-	-	-	-	-	-
COMMUNICATIONS EQUIPMENT OPERATORS	22	384	22	344	-	34	-	-	-	-	-	6
TELEPHONE OPERATORS	22	373	22	333	-	34	-	-	-	-	-	6
TELEGRAPHERS	-	3	-	3	-	-	-	-	-	-	-	-
COMMUNICATIONS EQUIPMENT OPERATORS, N.E.C.	-	8	-	8	-	-	-	-	-	-	-	-
MAIL AND MESSAGE DISTRIBUTING OCCUPATIONS	597	606	550	449	34	130	11	12	-	-	23	26
POSTAL CLERKS, EXCEPT MAIL CARRIERS	121	321	105	212	14	90	-	12	-	-	15	7
MAIL CARRIERS, POSTAL SERVICE	404	160	387	141	6	19	11	-	-	-	8	-
MAIL CLERKS, EXCEPT POSTAL SERVICE	49	98	39	86	10	12	-	-	-	-	-	11
MESSENGERS	23	27	19	10	4	9	-	-	-	-	-	8
MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING CLERKS	2 274	972	2 037	883	214	87	18	-	-	2	20	-
DISPATCHERS	117	99	117	99	-	-	-	-	-	-	-	-
PRODUCTION COORDINATORS	381	170	349	156	32	14	-	-	-	-	7	-
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	535	136	474	136	51	-	10	-	-	-	-	-
STOCK AND INVENTORY CLERKS	1 080	400	970	335	102	63	8	-	-	2	8	-
METER READERS	19	11	14	6	5	5	-	-	-	-	-	-
WEIGHERS, MEASURERS, AND CHECKERS	96	34	71	34	20	-	-	-	-	-	5	-
SAMPLERS	-	-	-	-	-	-	-	-	-	-	-	-
EXPEDITERS	46	89	42	89	4	-	-	-	-	-	-	-
MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING CLERKS, N.E.C.	-	33	-	28	-	5	-	-	-	-	-	-
ADJUSTERS AND INVESTIGATORS	276	404	257	377	19	27	-	-	-	-	-	-
INSURANCE ADJUSTERS, EXAMINERS, AND INVESTIGATORS	85	57	85	50	-	7	-	-	-	-	-	-
INVESTIGATORS AND ADJUSTERS, EXCEPT INSURANCE	142	247	137	227	5	20	-	-	-	-	-	-
ELIGIBILITY CLERKS, SOCIAL WELFARE	-	14	-	14	-	-	-	-	-	-	-	-
BILL AND ACCOUNT COLLECTORS	49	86	35	86	14	-	-	-	-	-	-	-
MISCELLANEOUS ADMINISTRATIVE SUPPORT OCCUPATIONS	922	4 701	798	4 084	78	592	22	22	15	-	11	25
GENERAL OFFICE CLERKS	427	2 087	381	1 809	24	265	7	13	15	-	-	7
BANK TELLERS	51	1 102	51	1 009	-	89	-	4	-	-	-	6
PROOFREADERS	-	21	-	21	-	-	-	-	-	-	-	-
DATA-ENTRY KEYERS	32	427	32	371	-	51	-	5	-	-	-	-
STATISTICAL CLERKS	34	120	34	120	-	-	-	-	-	-	-	-
TEACHERS' AIDES	70	457	35	351	35	103	-	-	-	-	-	12
ADMINISTRATIVE SUPPORT OCCUPATIONS, N.E.C.	308	487	265	403	19	84	15	-	-	-	11	-
SERVICE OCCUPATIONS	9 917	16 176	8 341	13 084	1 400	2 770	42	126	34	37	169	275
PRIVATE HOUSEHOLD OCCUPATIONS	17	908	17	731	-	164	-	8	-	-	-	12
OCCUPATION:												
LAUNDERERS AND IRONERS	-	-	-	-	-	-	-	-	-	-	-	-
COOKS, PRIVATE HOUSEHOLD	-	12	-	12	-	-	-	-	-	-	-	-
HOUSEKEEPERS AND BUTLERS	5	49	5	49	-	-	-	-	-	-	-	7
CHILD CARE WORKERS, PRIVATE HOUSEHOLD	6	509	6	471	-	30	-	8	-	-	-	-
PRIVATE HOUSEHOLD CLEANERS AND SERVANTS	6	338	6	199	-	134	-	-	-	-	-	5
LIVING ARRANGEMENT:												
LIVING IN	-	23	-	23	-	-	-	-	-	-	-	-
LIVING OUT	17	885	17	708	-	164	-	8	-	-	-	12

(1) PERSONS OF SPANISH ORIGIN MAY BE OF ANY RACE.

TABLE 219. (B) DETAILED OCCUPATION OF EMPLOYED PERSONS BY SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

[DATA ARE ESTIMATES BASED ON A SAMPLE; SEE INTRODUCTION. FOR MEANING OF SYMBOLS, SEE INTRODUCTION. FOR DEFINITIONS OF TERMS, SEE APPENDIXES A AND B]

FLINT, MI SMSA

	SMSA											
	TOTAL		WHITE		BLACK		AMERICAN INDIAN, ESKIMO AND ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
PROTECTIVE SERVICE OCCUPATIONS	2 395	405	2 071	298	296	92	15	8	8	7	22	-
SUPERVISORS, PROTECTIVE SERVICE OCCUPATIONS	187	6	162	6	25	-	-	-	-	-	-	-
SUPERVISORS, FIREFIGHTING AND FIRE PREVENTION OCCUPATIONS	18	-	18	-	-	-	-	-	-	-	-	-
SUPERVISORS, POLICE AND DETECTIVES	105	6	99	6	6	-	-	-	-	-	-	-
SUPERVISORS, GUARDS	64	-	45	-	19	-	-	-	-	-	-	-
FIREFIGHTING AND FIRE PREVENTION OCCUPATIONS	361	-	299	-	52	-	5	-	-	-	5	-
FIRE INSPECTION AND FIRE PREVENTION OCCUPATIONS	40	-	40	-	-	-	-	-	-	-	-	-
FIREFIGHTING OCCUPATIONS	321	-	259	-	52	-	5	-	-	-	5	-
POLICE AND DETECTIVES	846	127	773	68	65	52	-	-	8	7	8	-
POLICE AND DETECTIVES, PUBLIC SERVICE	709	91	659	39	50	45	-	-	-	7	-	-
SHERIFFS, BAILIFFS, AND OTHER ENFORCEMENT OFFICERS	71	16	71	9	-	7	-	-	-	-	-	-
CORRECTIONAL INSTITUTION OFFICERS	66	20	43	20	15	-	-	-	8	-	8	-
GUARDS	1 001	272	837	224	154	40	10	8	-	-	9	-
CROSSING GUARDS	82	36	62	36	20	-	-	-	-	-	-	-
GUARDS AND POLICE, EXCEPT PUBLIC SERVICE	843	230	714	182	119	40	10	8	-	-	9	-
PROTECTIVE SERVICE OCCUPATIONS, N.E.C.	76	6	61	6	15	-	-	-	-	-	-	-
SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD	7 505	14 863	6 253	12 055	1 104	2 514	27	110	26	30	147	263
FOOD PREPARATION AND SERVICE OCCUPATIONS	2 511	6 587	2 203	5 885	228	553	19	48	20	11	52	177
SUPERVISORS, FOOD PREPARATION AND SERVICE OCCUPATIONS	72	366	69	290	3	51	-	12	-	6	-	7
BARTENDERS	151	290	146	280	5	5	-	5	-	-	-	11
WAITERS AND WAITRESSES	163	3 313	146	3 083	5	170	-	17	-	-	12	100
COOKS, EXCEPT SHORT ORDER	1 098	1 306	919	1 112	124	189	14	-	12	-	36	18
SHORT-ORDER COOKS	76	83	69	59	7	20	-	4	-	-	-	-
FOOD COUNTER, FOUNTAIN AND RELATED OCCUPATIONS	103	278	98	248	5	15	-	-	-	-	-	15
KITCHEN WORKERS, FOOD PREPARATION	6	99	-	82	6	17	-	-	-	-	-	-
WAITERS' AND WAITRESSES' ASSISTANTS	275	231	231	183	36	43	-	-	8	5	4	-
MISCELLANEOUS FOOD PREPARATION OCCUPATIONS	567	621	525	548	37	43	5	10	-	-	-	26
HEALTH SERVICE OCCUPATIONS	396	3 756	256	2 650	130	1 056	3	18	-	5	7	22
DENTAL ASSISTANTS	11	370	-	326	11	35	-	-	-	-	-	9
HEALTH AIDES, EXCEPT NURSING	85	981	54	811	31	162	-	8	-	-	-	-
NURSING AIDES, ORDERLIES, AND ATTENDANTS	300	2 405	202	1 513	88	859	3	10	-	5	7	13
CLEANING AND BUILDING SERVICE OCCUPATIONS, EXCEPT HOUSEHOLD	4 019	2 035	3 319	1 389	642	607	5	18	6	14	81	17
SUPERVISORS, CLEANING AND BUILDING SERVICE WORKERS	142	50	142	34	-	16	-	-	-	-	-	-
MAIDS AND HOUSEMEN	108	802	91	446	17	344	-	-	-	12	1	10
JANITORS AND CLEANERS	3 751	1 162	3 068	901	625	234	5	18	6	2	80	7
ELEVATOR OPERATORS	-	21	-	8	-	13	-	-	-	-	-	-
PEST CONTROL OCCUPATIONS	18	-	18	-	-	-	-	-	-	-	-	-
PERSONAL SERVICE OCCUPATIONS	579	2 485	475	2 131	104	298	-	26	-	-	7	47
SUPERVISORS, PERSONAL SERVICE OCCUPATIONS	11	8	11	8	-	-	-	-	-	-	-	-
BARBERS	226	21	217	21	9	-	-	-	-	-	7	-
HAIRDRESSERS AND COSMETOLOGISTS	104	1 008	71	945	33	57	-	6	-	-	-	-
ATTENDANTS, AMUSEMENT AND RECREATION FACILITIES	52	68	52	68	-	-	-	-	-	-	-	-
GUIDES	27	-	10	-	17	-	-	-	-	-	-	-
USHERS	13	4	13	4	-	-	-	-	-	-	-	-
PUBLIC TRANSPORTATION ATTENDANTS	21	2	12	2	9	-	-	-	-	-	-	-
BAGGAGE PORTERS AND BELLHOPS	16	-	16	-	-	-	-	-	-	-	-	-
WELFARE SERVICE AIDES	-	46	-	21	-	17	-	8	-	-	-	-
CHILD CARE WORKERS, EXCEPT PRIVATE HOUSEHOLD	98	1 223	67	998	31	192	-	12	-	-	-	34
PERSONAL SERVICE OCCUPATIONS, N.E.C.	11	105	6	64	5	32	-	-	-	-	-	13
FARMING, FORESTRY, AND FISHING OCCUPATIONS	1 548	329	1 473	324	60	5	15	-	-	-	5	-
FARM OPERATORS AND MANAGERS	732	73	731	73	1	-	-	-	-	-	-	-
FARMERS, EXCEPT HORTICULTURAL	653	58	652	58	1	-	-	-	-	-	-	-
AGRICULTURAL PRODUCTION, CROPS	349	39	349	39	-	-	-	-	-	-	-	-
HORTICULTURAL SPECIALTY FARMERS	6	-	6	-	-	-	-	-	-	-	-	-
MANAGERS, FARMS, EXCEPT HORTICULTURAL	60	8	60	8	-	-	-	-	-	-	-	-
MANAGERS, HORTICULTURAL SPECIALTY FARMS	13	7	13	7	-	-	-	-	-	-	-	-
FARM OCCUPATIONS, EXCEPT MANAGERIAL	384	106	361	106	8	-	15	-	-	-	-	-
SUPERVISORS, FARM WORKERS	12	-	12	-	-	-	-	-	-	-	-	-
FARM WORKERS	364	106	341	106	8	-	15	-	-	-	-	-
AGRICULTURAL PRODUCTION, CROPS	140	42	125	42	-	-	15	-	-	-	-	-
MARINE LIFE CULTIVATION WORKERS	-	-	-	-	-	-	-	-	-	-	-	-
NURSERY WORKERS	8	-	8	-	-	-	-	-	-	-	-	-
RELATED AGRICULTURAL OCCUPATIONS	413	145	362	145	51	-	-	-	-	-	5	-
SUPERVISORS, RELATED AGRICULTURAL OCCUPATIONS	28	-	28	-	-	-	-	-	-	-	-	-
GROUNDSKEEPERS AND GARDENERS, EXCEPT FARM	340	44	292	44	48	-	-	-	-	-	5	-
ANIMAL CARETAKERS, EXCEPT FARM	45	94	42	94	3	-	-	-	-	-	-	-
GRADERS AND SORTERS, AGRICULTURAL PRODUCTS	-	7	-	7	-	-	-	-	-	-	-	-
INSPECTORS, AGRICULTURAL PRODUCTS	-	-	-	-	-	-	-	-	-	-	-	-
FORESTRY AND LOGGING OCCUPATIONS	19	5	19	-	-	5	-	-	-	-	-	-
SUPERVISORS, FORESTRY AND LOGGING WORKERS	-	-	-	-	-	-	-	-	-	-	-	-
FORESTRY WORKERS, EXCEPT LOGGING	-	5	-	-	-	5	-	-	-	-	-	-
TIMBER CUTTING AND LOGGING OCCUPATIONS	19	-	19	-	-	-	-	-	-	-	-	-
FISHERS, HUNTERS, AND TRAPPERS	-	-	-	-	-	-	-	-	-	-	-	-
CAPTAINS AND OTHER OFFICERS, FISHING VESSELS	-	-	-	-	-	-	-	-	-	-	-	-
FISHERS	-	-	-	-	-	-	-	-	-	-	-	-
HUNTERS AND TRAPPERS	-	-	-	-	-	-	-	-	-	-	-	-

(1) PERSONS OF SPANISH ORIGIN MAY BE OF ANY RACE.

TABLE 219. (B) DETAILED OCCUPATION OF EMPLOYED PERSONS BY SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

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FLINT, MI SMSA

	SMSA											
	TOTAL		WHITE		BLACK		AMERICAN INDIAN, ESKIMO AND ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS	28 264	1 684	25 965	1 367	2 008	291	169	14	17	8	249	-
MECHANICS AND REPAIRERS	9 664	231	8 838	200	716	25	66	6	15	-	87	-
SUPERVISORS, MECHANICS AND REPAIRERS	159	-	159	-	-	-	-	-	-	-	-	-
MECHANICS AND REPAIRERS, EXCEPT SUPERVISORS	9 505	231	8 679	200	716	25	66	6	15	-	87	-
VEHICLE AND MOBILE EQUIPMENT MECHANICS AND REPAIRERS	3 800	69	3 493	55	267	14	21	-	7	-	32	-
AUTOMOBILE MECHANICS	2 437	56	2 153	42	250	14	15	-	7	-	26	-
BUS, TRUCK, AND STATIONARY ENGINE MECHANICS	505	-	488	-	17	-	-	-	-	-	-	-
AIRCRAFT MECHANICS	28	-	28	-	-	-	-	-	-	-	-	-
SMALL ENGINE REPAIRERS	63	-	63	-	-	-	-	-	-	-	-	-
AUTOMOBILE BODY AND RELATED REPAIRERS	529	13	529	13	-	-	-	-	-	-	6	-
HEAVY EQUIPMENT MECHANICS	184	-	184	-	-	-	-	-	-	-	-	-
FARM EQUIPMENT MECHANICS	54	-	48	-	-	-	6	-	-	-	-	-
INDUSTRIAL MACHINERY REPAIRERS	1 570	27	1 435	22	116	5	10	-	-	-	15	-
MACHINERY MAINTENANCE OCCUPATIONS	182	13	140	13	42	-	-	-	-	-	-	-
ELECTRICAL AND ELECTRONIC EQUIPMENT REPAIRERS	1 045	57	967	51	78	-	-	6	-	-	6	-
ELECTRONIC REPAIRERS, COMMUNICATIONS AND INDUSTRIAL EQUIPMENT	221	7	183	7	38	-	-	-	-	-	-	-
DATA PROCESSING EQUIPMENT REPAIRERS	69	-	69	-	-	-	-	-	-	-	-	-
HOUSEHOLD APPLIANCE AND POWER TOOL REPAIRERS	161	-	161	-	-	-	-	-	-	-	6	-
TELEPHONE LINE INSTALLERS AND REPAIRERS	117	-	117	-	-	-	-	-	-	-	-	-
TELEPHONE INSTALLERS AND REPAIRERS	431	42	391	42	40	-	-	-	-	-	-	-
MISCELLANEOUS ELECTRICAL AND ELECTRONIC EQUIPMENT REPAIRERS	46	8	46	2	-	-	-	6	-	-	-	-
HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS	244	-	238	-	-	-	6	-	-	-	-	-
MISCELLANEOUS MECHANICS AND REPAIRERS	2 664	65	2 406	59	213	6	29	-	8	-	34	-
CAMERA, WATCH, AND MUSICAL INSTRUMENT REPAIRERS	28	-	21	-	-	-	7	-	-	-	-	-
LOCKSMITHS AND SAFE REPAIRERS	6	7	6	7	-	-	-	-	-	-	-	-
OFFICE MACHINE REPAIRERS	91	6	86	-	5	6	-	-	-	-	-	-
MECHANICAL CONTROLS AND VALVE REPAIRERS	65	-	49	-	16	-	-	-	-	-	-	-
ELEVATOR INSTALLERS AND REPAIRERS	49	-	49	-	-	-	-	-	-	-	-	-
MILLWRIGHTS	1 257	15	1 163	15	84	-	-	-	8	-	2	-
SPECIFIED MECHANICS AND REPAIRERS, N.E.C.	625	19	558	19	61	-	-	-	-	-	18	-
NOT SPECIFIED MECHANICS AND REPAIRERS	543	18	474	18	47	-	22	-	-	-	14	-
CONSTRUCTION TRADES	7 182	170	6 712	121	381	47	50	-	-	2	89	-
SUPERVISORS; CONSTRUCTION OCCUPATIONS	1 050	19	991	9	40	10	7	-	-	-	12	-
SUPERVISORS; BRICKMASONS, STONEMASONS, AND TILE SETTERS	14	-	6	-	8	-	-	-	-	-	-	-
SUPERVISORS; CARPENTERS AND RELATED WORKERS	44	-	44	-	-	-	-	-	-	-	-	-
SUPERVISORS; ELECTRICIANS AND POWER TRANSMISSION INSTALLERS	37	-	37	-	-	-	-	-	-	-	-	-
SUPERVISORS; PAINTERS, PAPERHANGERS, AND PLASTERERS	16	-	16	-	-	-	-	-	-	-	-	-
SUPERVISORS; PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	18	-	18	-	-	-	-	-	-	-	-	-
SUPERVISORS; N.E.C.	921	19	870	9	32	10	7	-	-	-	12	-
CONSTRUCTION TRADES, EXCEPT SUPERVISORS	6 132	151	5 721	112	341	37	43	-	-	2	77	-
BRICKMASONS AND STONEMASONS	215	-	198	-	17	-	-	-	-	-	-	-
TILE SETTERS, HARD AND SOFT	19	-	19	-	-	-	-	-	-	-	-	-
CARPET INSTALLERS	85	-	80	-	-	-	-	-	-	-	5	-
CARPENTERS	1 260	10	1 225	-	23	10	12	-	-	-	4	-
DRYWALL INSTALLERS	118	-	118	-	-	-	-	-	-	-	-	-
ELECTRICIANS	1 741	46	1 607	46	121	-	6	-	-	-	31	-
ELECTRICAL POWER INSTALLERS AND REPAIRERS	111	-	103	-	-	-	8	-	-	-	-	-
PAINTERS, CONSTRUCTION AND MAINTENANCE	570	61	482	37	82	22	-	-	-	2	12	-
PAPERHANGERS	-	1	-	1	-	-	-	-	-	-	-	-
PLASTERERS	34	-	34	-	-	-	-	-	-	-	-	-
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	1 264	17	1 190	17	60	-	5	-	-	-	9	-
CONCRETE AND TERRAZZO FINISHERS	68	-	46	-	22	-	-	-	-	-	-	-
GLAZIERS	67	16	67	11	-	5	-	-	-	-	-	-
INSULATION WORKERS	53	-	38	-	7	-	8	-	-	-	-	-
PAVING, SURFACING, AND TAMPING EQUIPMENT OPERATORS	9	-	-	-	9	-	-	-	-	-	-	-
ROOFERS	169	-	165	-	-	-	4	-	-	-	-	-
SHEETMETAL DUCT INSTALLERS	49	-	49	-	-	-	-	-	-	-	-	-
STRUCTURAL METAL WORKERS	150	-	150	-	-	-	-	-	-	-	-	-
DRILLERS, EARTH	20	-	20	-	-	-	-	-	-	-	-	-
CONSTRUCTION TRADES, N.E.C.	130	-	130	-	-	-	-	-	-	-	16	-
EXTRACTIVE OCCUPATIONS	27	10	27	10	-	-	-	-	-	-	-	-
SUPERVISORS, EXTRACTIVE OCCUPATIONS	23	2	23	2	-	-	-	-	-	-	-	-
DRILLERS, OIL WELL	2	-	2	-	-	-	-	-	-	-	-	-
EXPLOSIVES WORKERS	-	-	-	-	-	-	-	-	-	-	-	-
MINING MACHINE OPERATORS	2	-	2	-	-	-	-	-	-	-	-	-
MINING OCCUPATIONS, N.E.C.	-	8	-	8	-	-	-	-	-	-	-	-

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	SMSA											
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	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
PRECISION PRODUCTION OCCUPATIONS	11 391	1 273	10 388	1 036	911	219	53	8	2	6	73	-
SUPERVISORS, PRODUCTION OCCUPATIONS	5 416	555	4 849	401	543	144	22	6	2	-	38	-
NONDURABLE GOODS MANUFACTURING	302	31	288	21	14	-	-	6	-	-	-	-
DURABLE GOODS MANUFACTURING	4 495	390	3 971	254	507	136	15	-	2	-	31	-
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	149	17	138	17	11	-	-	-	-	-	-	-
WHOLESALE AND RETAIL TRADE	412	85	394	77	11	8	7	-	-	-	7	-
ALL OTHER INDUSTRIES	58	32	58	32	-	-	-	-	-	-	-	-
PRECISION METALWORKING OCCUPATIONS	4 685	129	4 369	88	275	41	15	-	-	-	22	-
TOOL AND DIE MAKERS	2 992	67	2 773	49	205	18	9	-	-	-	7	-
PRECISION ASSEMBLERS, METAL	60	13	45	5	15	8	-	-	-	-	-	-
MACHINISTS	902	26	860	11	21	15	-	-	-	-	7	-
BOILERMAKERS	7	-	-	-	7	-	-	-	-	-	-	-
PRECISION GRINDERS, FILERS, AND TOOL SHARPENERS	65	3	65	3	-	-	-	-	-	-	-	-
PATTERNMAKERS AND MODEL MAKERS, METAL	89	11	89	11	-	-	-	-	-	-	8	-
LAY-OUT WORKERS	30	-	24	-	-	-	6	-	-	-	-	-
PRECIOUS STONES AND METALS WORKERS (JEWELERS)	15	2	15	2	-	-	-	-	-	-	-	-
ENGRAVERS, METAL	-	7	-	7	-	-	-	-	-	-	-	-
SHEET METAL WORKERS	512	-	485	-	27	-	-	-	-	-	-	-
MISCELLANEOUS PRECISION METAL WORKERS	13	-	13	-	-	-	-	-	-	-	-	-
PRECISION WOODWORKING OCCUPATIONS	63	-	48	-	8	-	7	-	-	-	-	-
PATTERNMAKERS AND MODEL MAKERS, WOOD	6	-	6	-	-	-	-	-	-	-	-	-
CABINET MAKERS AND BENCH CARPENTERS	22	-	22	-	-	-	-	-	-	-	-	-
FURNITURE AND WOOD FINISHERS	25	-	18	-	-	-	7	-	-	-	-	-
MISCELLANEOUS PRECISION WOODWORKERS	10	-	2	-	8	-	-	-	-	-	-	-
PRECISION TEXTILE, APPAREL, AND FURNISHINGS MACHINE WORKERS	83	246	63	212	20	28	-	-	-	6	-	-
DRESSMAKERS	13	191	13	163	-	28	-	-	-	-	-	-
TAILORS	11	26	4	20	7	-	-	-	-	6	-	-
UPHOLSTERERS	32	19	24	19	8	-	-	-	-	-	-	-
SHOE REPAIRERS	27	6	22	6	5	-	-	-	-	-	-	-
APPAREL AND FABRIC PATTERNMAKERS	-	-	-	-	-	-	-	-	-	-	-	-
MISCELLANEOUS PRECISION APPAREL AND FABRIC WORKERS	-	4	-	4	-	-	-	-	-	-	-	-
PRECISION WORKERS, ASSORTED MATERIALS	267	157	247	157	12	-	8	-	-	-	-	-
HAND MOLDERS AND SHAPERS, EXCEPT JEWELERS	29	4	29	4	-	-	-	-	-	-	-	-
PATTERNMAKERS, LAY-OUT WORKERS, AND CUTTERS	59	7	59	7	-	-	-	-	-	-	-	-
OPTICAL GOODS WORKERS	64	65	56	65	-	-	8	-	-	-	-	-
DENTAL LABORATORY AND MEDICAL APPLIANCE TECHNICIANS	55	20	48	20	7	-	-	-	-	-	-	-
BOOKBINDERS	-	17	-	17	-	-	-	-	-	-	-	-
ELECTRICAL AND ELECTRONIC EQUIPMENT ASSEMBLERS	40	41	40	41	-	-	-	-	-	-	-	-
MISCELLANEOUS PRECISION WORKERS, N.E.C.	20	3	15	3	5	-	-	-	-	-	-	-
PRECISION FOOD PRODUCTION OCCUPATIONS	341	159	313	153	26	6	-	-	-	-	2	-
BUTCHERS AND MEAT CUTTERS	260	24	241	24	17	-	-	-	-	-	2	-
BAKERS	79	128	70	122	9	6	-	-	-	-	-	-
FOOD BATCHMAKERS	2	7	2	7	-	-	-	-	-	-	-	-
PRECISION INSPECTORS, TESTERS, AND RELATED WORKERS	237	27	218	25	9	-	1	2	-	-	11	-
INSPECTORS, TESTERS, AND GRADERS	237	27	218	25	9	-	1	2	-	-	11	-
ADJUSTERS AND CALIBRATORS	-	-	-	-	-	-	-	-	-	-	-	-
PLANT AND SYSTEM OPERATORS	299	-	281	-	18	-	-	-	-	-	-	-
WATER AND SEWAGE TREATMENT PLANT OPERATORS	44	-	33	-	11	-	-	-	-	-	-	-
POWER PLANT OPERATORS	40	-	40	-	-	-	-	-	-	-	-	-
STATIONARY ENGINEERS	200	-	193	-	7	-	-	-	-	-	-	-
MISCELLANEOUS PLANT AND SYSTEM OPERATORS	15	-	15	-	-	-	-	-	-	-	-	-
OPERATORS, FABRICATORS, AND LABORERS	42 166	13 796	34 747	10 216	6 743	3 405	235	89	53	31	667	170
MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS	27 531	11 234	22 094	7 899	4 975	3 168	121	81	46	31	483	160
MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION	10 745	3 386	8 776	2 586	1 804	746	40	22	8	6	170	38
METALWORKING AND PLASTIC WORKING MACHINE OPERATORS	5 106	883	4 118	640	895	237	33	6	-	-	73	7
LATHE AND TURNING MACHINE SET-UP OPERATORS	1 037	46	806	31	204	15	2	-	-	-	25	-
LATHE AND TURNING MACHINE OPERATORS	339	17	337	17	-	-	2	-	-	-	-	-
MILLING AND PLANING MACHINE OPERATORS	42	7	30	7	12	-	-	-	-	-	-	-
PUNCHING AND STAMPING PRESS MACHINE OPERATORS	1 659	509	1 289	346	323	157	24	6	-	-	29	7
ROLLING MACHINE OPERATORS	6	-	6	-	-	-	-	-	-	-	-	-
DRILLING AND BORING MACHINE OPERATORS	115	23	107	23	8	-	-	-	-	-	-	-
GRINDING, ABRADING, BUFFING, AND POLISHING MACHINE OPERATORS	1 118	263	886	204	220	59	-	-	-	-	19	-
FORGING MACHINE OPERATORS	63	-	63	-	-	-	-	-	-	-	-	-
NUMERICAL CONTROL MACHINE OPERATORS	6	-	6	-	-	-	-	-	-	-	-	-
MISCELLANEOUS METAL, PLASTIC, STONE, AND GLASS WORKING MACHINE OPERATORS	721	18	588	12	128	6	5	-	-	-	-	-

(1) PERSONS OF SPANISH ORIGIN MAY BE OF ANY RACE.

TABLE 219. (B) DETAILED OCCUPATION OF EMPLOYED PERSONS BY SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

[DATA ARE ESTIMATES BASED ON A SAMPLE; SEE INTRODUCTION. FOR MEANING OF SYMBOLS, SEE INTRODUCTION. FOR DEFINITIONS OF TERMS, SEE APPENDIXES A AND B]

FLINT, MI SMSA

	SMSA											
	TOTAL		WHITE		BLACK		AMERICAN INDIAN, ESKIMO AND ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
FABRICATING MACHINE OPERATORS, N.E.C.	53	13	45	13	8	-	-	-	-	-	-	-
METAL AND PLASTIC PROCESSING MACHINE OPERATORS	315	121	310	111	5	10	-	-	-	-	5	-
MOLDING AND CASTING MACHINE OPERATORS	157	102	152	92	5	10	-	-	-	-	5	-
METAL PLATING MACHINE OPERATORS	72	7	72	7	-	-	-	-	-	-	-	-
HEAT TREATING EQUIPMENT OPERATORS	44	-	44	-	-	-	-	-	-	-	-	-
MISCELLANEOUS METAL AND PLASTIC PROCESSING MACHINE OPERATORS	42	12	42	12	-	-	-	-	-	-	-	-
WOODWORKING MACHINE OPERATORS	30	7	30	7	-	-	-	-	-	-	-	-
WOOD LATHE, ROUTING, AND PLANING MACHINE OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-
SAWING MACHINE OPERATORS	10	1	10	1	-	-	-	-	-	-	-	-
SHAPING AND JOINING MACHINE OPERATORS	5	6	5	6	-	-	-	-	-	-	-	-
NAILING AND TACKING MACHINE OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-
MISCELLANEOUS WOODWORKING MACHINE OPERATORS	15	-	15	-	-	-	-	-	-	-	-	-
PRINTING MACHINE OPERATORS	232	145	208	123	17	22	7	-	-	-	-	-
PRINTING MACHINE OPERATORS	186	53	162	37	17	16	7	-	-	-	-	-
PHOTOENGRAVERS AND LITHOGRAPHERS	8	9	8	9	-	-	-	-	-	-	-	-
TYPESETTERS AND COMPOSITORS	31	53	31	53	-	-	-	-	-	-	-	-
MISCELLANEOUS PRINTING MACHINE OPERATORS	7	30	7	24	-	6	-	-	-	-	-	-
TEXTILE, APPAREL, AND FURNISHINGS MACHINE OPERATORS	131	485	116	384	15	91	-	5	-	-	-	5
WINDING AND TWISTING MACHINE OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-
KNITTING, LOOPING, TAPING, AND WEAVING MACHINE OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-
TEXTILE CUTTING MACHINE OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-
TEXTILE SEWING MACHINE OPERATORS	9	128	-	98	9	25	-	5	-	-	-	-
SHOE MACHINE OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-
PRESSING MACHINE OPERATORS	16	56	16	36	-	15	-	-	-	-	-	5
LAUNDERING AND DRY CLEANING MACHINE OPERATORS	99	280	93	234	6	46	-	-	-	-	-	-
MISCELLANEOUS TEXTILE MACHINE OPERATORS	7	21	7	16	-	5	-	-	-	-	-	-
MACHINE OPERATORS, ASSORTED MATERIALS	4 878	1 732	3 949	1 308	864	386	-	11	8	6	92	26
CEMENTING AND GLUING MACHINE OPERATORS	33	27	33	21	-	6	-	-	-	-	-	-
PACKAGING AND FILLING MACHINE OPERATORS	113	94	96	75	17	19	-	-	-	-	-	-
EXTRUDING AND FORMING MACHINE OPERATORS	13	2	13	2	-	-	-	-	-	-	-	-
MIXING AND BLENDING MACHINE OPERATORS	111	12	111	12	-	-	-	-	-	-	-	-
SEPARATING, FILTERING, AND CLARIFYING MACHINE OPERATORS	34	-	34	-	-	-	-	-	-	-	-	-
COMPRESSING AND COMPACTING MACHINE OPERATORS	-	10	-	10	-	-	-	-	-	-	-	-
PAINTING AND PAINT SPRAYING MACHINE OPERATORS	635	98	532	80	95	18	-	-	-	-	14	-
ROASTING AND BAKING MACHINE OPERATORS, FOOD	2	-	2	-	-	-	-	-	-	-	-	-
WASHING, CLEANING, AND PICKLING MACHINE OPERATORS	9	8	9	8	-	-	-	-	-	-	-	-
FOLDING MACHINE OPERATORS	23	17	23	11	-	6	-	-	-	-	-	-
FURNACE, KILN, AND OVEN OPERATORS, EXCEPT FOOD	236	13	221	13	15	-	-	-	-	-	-	-
CRUSHING AND GRINDING MACHINE OPERATORS	57	-	47	-	10	-	-	-	-	-	-	-
SLICING AND CUTTING MACHINE OPERATORS	208	45	189	45	19	-	-	-	-	-	-	-
MOTION PICTURE PROJECTIONISTS	29	-	29	-	-	-	-	-	-	-	-	-
PHOTOGRAPHIC PROCESS MACHINE OPERATORS	16	30	8	24	-	6	-	-	8	-	-	-
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS	3 359	1 376	2 602	1 007	708	331	-	11	-	6	78	26
OCCUPATION:												
MISCELLANEOUS MACHINE OPERATORS, N.E.C.	665	218	569	156	88	54	-	5	-	-	12	3
MACHINE OPERATORS, NOT SPECIFIED	2 694	1 158	2 033	851	620	277	-	6	-	6	66	23
INDUSTRY:												
MANUFACTURING	3 134	1 311	2 396	963	689	315	-	6	-	6	78	26
NONDURABLE GOODS	163	143	111	123	32	20	-	-	-	-	20	5
FOOD AND KINDRED PRODUCTS	60	25	28	25	12	-	-	-	-	-	20	5
TOBACCO MANUFACTURES	-	-	-	-	-	-	-	-	-	-	-	-
TEXTILE MILL PRODUCTS	-	-	-	-	-	-	-	-	-	-	-	-
APPAREL AND OTHER FINISHED TEXTILE PRODUCTS	6	5	6	5	-	-	-	-	-	-	-	-
PAPER AND ALLIED PRODUCTS	57	34	44	18	13	16	-	-	-	-	-	-
PRINTING, PUBLISHING, AND ALLIED INDUSTRIES	-	19	-	19	-	-	-	-	-	-	-	-
CHEMICALS AND ALLIED PRODUCTS	31	28	31	28	-	-	-	-	-	-	-	-
PETROLEUM AND COAL PRODUCTS	7	-	-	-	7	-	-	-	-	-	-	-
RUBBER AND MISCELLANEOUS PLASTICS PRODUCTS	2	32	2	28	-	4	-	-	-	-	-	-
LEATHER AND LEATHER PRODUCTS	-	-	-	-	-	-	-	-	-	-	-	-
DURABLE GOODS	2 945	1 156	2 259	828	657	295	-	6	-	6	58	21
LUMBER AND WOOD PRODUCTS, EXCEPT FURNITURE	-	-	-	-	-	-	-	-	-	-	-	-
FURNITURE AND FIXTURES	13	2	13	2	-	-	-	-	-	-	-	-
STONE, CLAY, GLASS, AND CONCRETE PRODUCTS	42	30	42	30	-	-	-	-	-	-	-	-
PRIMARY METAL INDUSTRIES	26	5	21	5	5	-	-	-	-	-	-	-
BLAST FURNACES, STEELWORKS, ROLLING AND FINISHING MILLS	10	-	10	-	-	-	-	-	-	-	-	-

(1) PERSONS OF SPANISH ORIGIN MAY BE OF ANY RACE.

TABLE 219. (B) DETAILED OCCUPATION OF EMPLOYED PERSONS BY SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

[DATA ARE ESTIMATES BASED ON A SAMPLE; SEE INTRODUCTION. FOR MEANING OF SYMBOLS, SEE INTRODUCTION. FOR DEFINITIONS OF TERMS, SEE APPENDIXES A AND B]

FLINT, MI SMSA

	SMSA											
	TOTAL		WHITE		BLACK		AMERICAN INDIAN, ESKIMO AND ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS-CON.												
INDUSTRY-CON.												
FABRICATED METAL INDUSTRIES	240	111	195	74	45	25	-	6	-	6	9	-
MACHINERY, EXCEPT ELECTRICAL	128	38	128	38	-	-	-	-	-	-	-	-
ELECTRICAL MACHINERY, EQUIPMENT, AND SUPPLIES	90	120	76	120	14	-	-	-	-	-	-	-
TRANSPORTATION EQUIPMENT	2 384	840	1 762	549	593	270	-	-	-	-	49	21
MOTOR VEHICLES AND MOTOR VEHICLE EQUIPMENT	2 377	840	1 755	549	593	270	-	-	-	-	49	21
OTHER TRANSPORTATION EQUIPMENT	7	-	7	-	-	-	-	-	-	-	-	-
PROFESSIONAL AND PHOTOGRAPHIC EQUIPMENT, AND WATCHES	6	-	6	-	-	-	-	-	-	-	-	-
MISCELLANEOUS MANUFACTURING INDUSTRIES	16	10	16	10	-	-	-	-	-	-	-	-
NOT SPECIFIED MANUFACTURING INDUSTRIES	26	12	26	12	-	-	-	-	-	-	-	-
NONMANUFACTURING INDUSTRIES	225	65	206	44	19	16	-	5	-	-	-	-
CONSTRUCTION	56	-	56	-	-	-	-	-	-	-	-	-
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	36	-	36	-	-	-	-	-	-	-	-	-
WHOLESALE TRADE	54	-	49	-	5	-	-	-	-	-	-	-
RETAIL TRADE	32	25	32	20	-	5	-	-	-	-	-	-
BUSINESS AND REPAIR SERVICES	10	-	10	-	-	-	-	-	-	-	-	-
PUBLIC ADMINISTRATION	-	6	-	6	-	-	-	-	-	-	-	-
ALL OTHER INDUSTRIES	37	34	23	18	14	11	-	5	-	-	-	-
FABRICATORS, ASSEMBLERS, AND HAND WORKING OCCUPATIONS	13 524	6 263	10 529	4 142	2 727	2 010	67	57	30	25	295	95
WELDERS AND CUTTERS	2 912	339	2 415	226	415	107	29	-	7	6	94	-
SOLDERERS AND BRAZERS	23	9	23	9	-	-	-	-	-	-	-	-
ASSEMBLERS	10 517	5 879	8 025	3 876	2 306	1 898	38	57	23	19	201	95
HAND CUTTING AND TRIMMING OCCUPATIONS	7	15	7	15	-	-	-	-	-	-	-	-
HAND MOLDING, CASTING, AND FORMING OCCUPATIONS	5	-	5	-	-	-	-	-	-	-	-	-
HAND PAINTING, COATING AND DECORATING OCCUPATIONS	44	19	44	14	-	5	-	-	-	-	-	-
HAND ENGRAVING AND PRINTING OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-
HAND GRINDING AND POLISHING OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-
MISCELLANEOUS HAND WORKING OCCUPATIONS	16	2	10	2	6	-	-	-	-	-	-	-
PRODUCTION INSPECTORS, TESTERS, SAMPLERS, AND WEIGHERS	3 262	1 585	2 789	1 171	444	412	14	2	8	-	18	27
PRODUCTION INSPECTORS, CHECKERS, AND EXAMINERS	3 130	1 483	2 663	1 076	438	407	14	-	8	-	18	27
PRODUCTION TESTERS	87	37	81	37	6	-	-	-	-	-	-	-
PRODUCTION SAMPLERS AND WEIGHERS	2	-	2	-	-	-	-	-	-	-	-	-
GRADERS AND SORTERS, EXCEPT AGRICULTURAL	43	65	43	58	-	5	-	2	-	-	-	-
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	8 578	1 200	7 379	1 143	1 092	49	56	8	5	-	95	6
MOTOR VEHICLE OPERATORS	5 202	1 087	4 412	1 042	744	37	36	8	-	-	52	6
SUPERVISORS, MOTOR VEHICLE OPERATORS	29	-	25	-	4	-	-	-	-	-	-	-
TRUCK DRIVERS, HEAVY	3 533	104	2 898	95	605	9	25	-	-	-	40	-
TRUCK DRIVERS, LIGHT	752	59	705	59	37	-	5	-	-	-	12	-
DRIVER-SALES WORKERS	339	22	319	22	14	-	6	-	-	-	-	-
BUS DRIVERS	229	865	171	829	58	28	-	8	-	-	-	6
TAXICAB DRIVERS AND CHAUFFEURS	279	31	259	31	20	-	-	-	-	-	-	-
PARKING LOT ATTENDANTS	41	6	35	6	6	-	-	-	-	-	-	-
MOTOR TRANSPORTATION OCCUPATIONS, N.E.C.	-	-	-	-	-	-	-	-	-	-	-	-
RAIL TRANSPORTATION OCCUPATIONS	456	-	444	-	6	-	6	-	-	-	-	-
RAILROAD CONDUCTORS AND YARDMASTERS	117	-	117	-	-	-	-	-	-	-	-	-
LOCOMOTIVE OPERATING OCCUPATIONS	100	-	100	-	-	-	-	-	-	-	-	-
RAILROAD BRAKE, SIGNAL, AND SWITCH OPERATORS	237	-	225	-	6	-	6	-	-	-	-	-
RAIL VEHICLE OPERATORS, N.E.C.	2	-	2	-	-	-	-	-	-	-	-	-
WATER TRANSPORTATION OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-
SHIP CAPTAINS AND MATES, EXCEPT FISHING BOATS	-	-	-	-	-	-	-	-	-	-	-	-
SAILORS AND DECKHANDS	-	-	-	-	-	-	-	-	-	-	-	-
MARINE ENGINEERS	-	-	-	-	-	-	-	-	-	-	-	-
BRIDGE, LOCK, AND LIGHTHOUSE TENDERS	-	-	-	-	-	-	-	-	-	-	-	-
MATERIAL MOVING EQUIPMENT OPERATORS	2 920	113	2 523	101	342	12	14	-	5	-	43	-
SUPERVISORS, MATERIAL MOVING EQUIPMENT OPERATORS	115	-	115	-	-	-	-	-	-	-	-	-
OPERATING ENGINEERS	243	-	233	-	8	-	-	-	-	-	9	-
LONGSHORE EQUIPMENT OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-
HOIST AND WINCH OPERATORS	27	-	14	-	7	-	6	-	-	-	-	-
CRANE AND TOWER OPERATORS	303	6	257	-	35	6	-	-	-	-	11	-
EXCAVATING AND LOADING MACHINE OPERATORS	60	-	37	-	15	-	8	-	-	-	-	-
GRADER, DOZER, AND SCRAPER OPERATORS	46	5	46	5	-	-	-	-	-	-	-	-
INDUSTRIAL TRUCK AND TRACTOR EQUIPMENT OPERATORS	1 592	31	1 344	31	220	-	-	-	5	-	23	-
MISCELLANEOUS MATERIAL MOVING EQUIPMENT OPERATORS	534	71	477	65	57	6	-	-	-	-	-	-

(1) PERSONS OF SPANISH ORIGIN MAY BE OF ANY RACE.

TABLE 219. (B) DETAILED OCCUPATION OF EMPLOYED PERSONS BY SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

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	SMSA											
	TOTAL		WHITE		BLACK		AMERICAN INDIAN, ESKIMO AND ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS.	6 057	1 362	5 274	1 174	676	188	58	-	2	-	89	4
SUPERVISORS; HANDLERS, EQUIPMENT CLEANERS, AND LABORERS, N.E.C.. . . .	-	-	-	-	-	-	-	-	-	-	-	-
HELPERS, MECHANICS AND REPAIRERS . . .	20	10	20	-	-	10	-	-	-	-	-	-
HELPERS, CONSTRUCTION AND EXTRACTIVE OCCUPATIONS.	55	-	48	-	-	-	-	-	-	-	7	-
HELPERS, CONSTRUCTION TRADES.	55	-	48	-	-	-	-	-	-	-	7	-
HELPERS, SURVEYOR	-	-	-	-	-	-	-	-	-	-	-	-
HELPERS, EXTRACTIVE OCCUPATIONS . . .	-	-	-	-	-	-	-	-	-	-	-	-
CONSTRUCTION LABORERS.	636	8	547	8	84	-	5	-	-	-	9	4
PRODUCTION HELPERS	67	60	67	55	-	5	-	-	-	-	-	-
FREIGHT, STOCK, AND MATERIAL HANDLERS.	2 529	480	2 214	411	269	69	25	-	2	-	36	-
GARBAGE COLLECTORS.	121	26	102	26	7	-	-	-	-	-	12	-
STEVEDORES.	-	-	-	-	-	-	-	-	-	-	-	-
STOCK HANDLERS AND BAGGERS.	1 657	363	1 483	319	154	44	18	-	2	-	17	-
MACHINE FEEDERS AND OFFBEARERS. . . .	41	-	41	-	-	-	-	-	-	-	-	-
FREIGHT, STOCK, AND MATERIAL HANDLERS, N.E.C.	710	91	588	66	108	25	7	-	-	-	7	-
GARAGE AND SERVICE STATION RELATED OCCUPATIONS	636	74	612	74	24	-	-	-	-	-	-	-
VEHICLE WASHERS AND EQUIPMENT CLEANERS.	489	33	400	16	79	17	10	-	-	-	5	-
HAND PACKERS AND PACKAGERS	257	467	211	444	46	23	-	-	-	-	-	-
LABORERS, EXCEPT CONSTRUCTION.	1 368	230	1 155	166	174	64	18	-	-	-	32	-
MANUFACTURING	757	116	600	75	134	41	10	-	-	-	24	-
NONDURABLE GOODS	71	17	54	11	17	6	-	-	-	-	4	-
FOOD AND KINDRED PRODUCTS	57	-	40	-	17	-	-	-	-	-	4	-
TEXTILE MILL AND FINISHED TEXTILE PRODUCTS	-	6	-	6	-	-	-	-	-	-	-	-
PAPER AND ALLIED PRODUCTS	2	5	2	5	-	-	-	-	-	-	-	-
CHEMICALS AND ALLIED PRODUCTS . . .	12	-	12	-	-	-	-	-	-	-	-	-
RUBBER AND MISCELLANEOUS PLASTICS PRODUCTS.	-	-	-	-	-	-	-	-	-	-	-	-
OTHER NONDURABLE GOODS.	-	6	-	-	-	6	-	-	-	-	-	-
DURABLE GOODS.	686	94	546	59	117	35	10	-	-	-	20	-
FURNITURE, LUMBER, AND WOOD PRODUCTS	4	-	4	-	-	-	-	-	-	-	-	-
STONE, CLAY, GLASS, AND CONCRETE PRODUCTS	21	-	21	-	-	-	-	-	-	-	-	-
PRIMARY METAL INDUSTRIES.	26	-	5	-	21	-	-	-	-	-	-	-
FABRICATED METAL INDUSTRIES	66	7	55	7	6	-	5	-	-	-	-	-
MACHINERY, EXCEPT ELECTRICAL. . . .	52	5	52	5	-	-	-	-	-	-	-	-
ELECTRICAL MACHINERY, EQUIPMENT, AND SUPPLIES	24	2	24	2	-	-	-	-	-	-	-	-
TRANSPORTATION EQUIPMENT.	493	80	385	45	90	35	5	-	-	-	20	-
MOTOR VEHICLES AND MOTOR VEHICLE EQUIPMENT	493	80	385	45	90	35	5	-	-	-	20	-
OTHER DURABLE GOODS	-	-	-	-	-	-	-	-	-	-	-	-
NOT SPECIFIED MANUFACTURING INDUSTRIES.	-	5	-	5	-	-	-	-	-	-	-	-
NONMANUFACTURING INDUSTRIES	611	114	555	91	40	23	8	-	-	-	8	-
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES.	161	26	137	20	16	6	-	-	-	-	8	-
WHOLESALE TRADE.	181	33	176	33	5	-	-	-	-	-	-	-
RETAIL TRADE	141	35	129	27	4	8	8	-	-	-	-	-
BUSINESS AND REPAIR SERVICES	24	-	24	-	-	-	-	-	-	-	-	-
PUBLIC ADMINISTRATION.	26	-	19	-	7	-	-	-	-	-	-	-
ALL OTHER INDUSTRIES	78	20	70	11	8	9	-	-	-	-	-	-

(1) PERSONS OF SPANISH ORIGIN MAY BE OF ANY RACE.

TABLE 219. (B) DETAILED OCCUPATION OF EMPLOYED PERSONS BY SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

[DATA ARE ESTIMATES BASED ON A SAMPLE; SEE INTRODUCTION. FOR MEANING OF SYMBOLS, SEE INTRODUCTION. FOR DEFINITIONS OF TERMS, SEE APPENDIXES A AND B]

GRAND RAPIDS, MI SMSA

	SMSA											
	TOTAL		WHITE		BLACK		AMERICAN INDIAN, ESKIMO AND ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
EMPLOYED PERSONS 16 YEARS AND OVER	158 062	116 376	150 021	108 858	5 203	5 551	477	403	889	630	2 936	2 112
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS	35 490	20 791	34 358	19 866	762	733	23	38	256	90	248	225
EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS	19 324	6 484	18 818	6 194	390	215	19	10	59	32	80	96
LEGISLATORS, CHIEF EXECUTIVES AND GENERAL ADMINISTRATORS; PUBLIC ADMINISTRATION	109	27	96	19	13	8	-	-	-	-	-	-
ADMINISTRATORS AND OFFICIALS, PUBLIC ADMINISTRATION	311	168	294	143	12	25	5	-	-	-	-	-
FEDERAL	45	28	40	21	-	7	5	-	-	-	-	-
STATE	38	37	38	37	-	-	-	-	-	-	-	-
LOCAL	228	103	216	85	12	18	-	-	-	-	-	-
ADMINISTRATORS, PROTECTIVE SERVICES	49	-	43	-	6	-	-	-	-	-	-	-
FINANCIAL MANAGERS	994	423	987	421	5	-	-	2	2	-	9	-
PERSONNEL AND LABOR RELATIONS MANAGERS	597	218	583	200	14	18	-	-	-	-	6	7
PURCHASING MANAGERS	166	32	166	32	-	-	-	-	-	-	-	-
MANAGERS, MARKETING, ADVERTISING, AND PUBLIC RELATIONS	1 970	288	1 947	288	9	-	7	-	7	-	2	-
ADMINISTRATORS, EDUCATION AND RELATED FIELDS	799	330	706	315	89	-	-	2	-	-	4	20
MANAGERS, MEDICINE AND HEALTH	120	115	120	109	-	6	-	-	-	-	-	-
MANAGERS, PROPERTIES AND REAL ESTATE	242	108	242	102	-	-	-	6	-	-	-	-
POSTMASTERS AND MAIL SUPERINTENDENTS	25	2	25	2	-	-	-	-	-	-	-	-
FUNERAL DIRECTORS	73	-	73	-	-	-	-	-	-	-	-	-
MANAGERS AND ADMINISTRATORS, N.E.C., SALARIED	8 621	2 411	8 465	2 298	96	74	-	-	37	25	39	38
CONSTRUCTION	468	23	468	23	-	-	-	-	-	-	-	-
MANUFACTURING	3 350	333	3 332	333	8	-	-	-	10	-	-	-
NONDURABLE GOODS	997	123	997	123	-	-	-	-	-	-	-	-
DURABLE GOODS	2 353	210	2 335	210	8	-	-	-	10	-	-	-
TRANSPORTATION	439	5	439	5	-	-	-	-	-	-	-	-
COMMUNICATIONS, UTILITIES AND SANITARY SERVICES	187	121	174	100	9	21	-	-	-	-	4	-
WHOLESALE TRADE	787	148	787	148	-	-	-	-	-	-	-	-
RETAIL TRADE	1 636	740	1 598	696	13	18	-	-	20	19	11	20
GENERAL MERCHANDISE STORES	41	55	41	49	-	6	-	-	-	-	-	6
FOOD, BAKERY, AND DAIRY STORES	207	95	207	85	-	-	-	-	-	10	-	-
AUTOMOTIVE DEALERS AND GASOLINE STATIONS	188	28	188	28	-	-	-	-	-	-	-	-
EATING AND DRINKING PLACES	713	358	682	337	6	5	-	-	20	9	5	14
OTHER RETAIL TRADE	487	204	480	197	7	7	-	-	-	-	6	-
FINANCE, INSURANCE, AND REAL ESTATE	374	191	360	191	7	-	-	-	7	-	-	-
BUSINESS AND REPAIR SERVICES	312	119	312	119	-	-	-	-	-	-	4	11
PERSONAL SERVICES	151	101	145	101	6	-	-	-	-	-	-	-
ALL OTHER INDUSTRIES	917	630	850	582	53	35	-	-	-	6	20	7
MANAGERS AND ADMINISTRATORS, N.E.C., SELF-EMPLOYED	967	216	940	202	23	8	-	-	-	-	4	21
CONSTRUCTION	142	-	142	-	-	-	-	-	-	-	-	-
MANUFACTURING	219	6	219	-	-	-	-	-	-	-	-	6
NONDURABLE GOODS	122	-	122	-	-	-	-	-	-	-	-	-
DURABLE GOODS	97	6	97	-	-	-	-	-	-	-	-	6
TRANSPORTATION	46	15	46	15	-	-	-	-	-	-	-	-
COMMUNICATIONS, UTILITIES AND SANITARY SERVICES	12	-	12	-	-	-	-	-	-	-	-	-
WHOLESALE TRADE	16	8	16	8	-	-	-	-	-	-	-	-
RETAIL TRADE	240	91	240	91	-	-	-	-	-	-	-	15
GENERAL MERCHANDISE STORES	-	-	-	-	-	-	-	-	-	-	-	-
FOOD, BAKERY, AND DAIRY STORES	6	7	6	7	-	-	-	-	-	-	-	-
AUTOMOTIVE DEALERS AND GASOLINE STATIONS	20	-	20	-	-	-	-	-	-	-	-	-
EATING AND DRINKING PLACES	138	67	138	67	-	-	-	-	-	-	-	-
OTHER RETAIL TRADE	76	17	76	17	-	-	-	-	-	-	-	15
FINANCE, INSURANCE, AND REAL ESTATE	-	20	-	20	-	-	-	-	-	-	-	-
BUSINESS AND REPAIR SERVICES	159	21	148	21	7	-	-	-	-	-	4	-
PERSONAL SERVICES	65	15	49	7	16	8	-	-	-	-	-	-
ALL OTHER INDUSTRIES	68	40	68	40	-	-	-	-	-	-	-	-
MANAGEMENT RELATED OCCUPATIONS	4 281	2 146	4 131	2 063	123	76	7	-	13	7	16	10
ACCOUNTANTS AND AUDITORS	1 742	768	1 714	739	16	22	-	-	5	7	12	4
UNDERWRITERS	21	-	21	-	-	-	-	-	-	-	-	-
OTHER FINANCIAL OFFICERS	504	356	472	344	24	12	-	-	8	-	4	6
MANAGEMENT ANALYSTS	96	29	90	29	6	-	-	-	-	-	-	-
PERSONNEL, TRAINING, AND LABOR RELATIONS SPECIALISTS	674	463	605	431	69	32	-	-	-	-	-	-
PURCHASING AGENTS AND BUYERS, FARM PRODUCTS	19	-	11	-	8	-	-	-	-	-	-	-
BUYERS, WHOLESALE AND RETAIL TRADE EXCEPT FARM PRODUCTS	448	334	441	324	-	10	7	-	-	-	-	-
PURCHASING AGENTS AND BUYERS, N.E.C.	474	150	474	150	-	-	-	-	-	-	-	-
BUSINESS AND PROMOTION AGENTS	10	12	10	12	-	-	-	-	-	-	-	-
CONSTRUCTION INSPECTORS	91	-	91	-	-	-	-	-	-	-	-	-
INSPECTORS AND COMPLIANCE OFFICERS, EXC. CONSTRUCTION	178	27	178	27	-	-	-	-	-	-	-	-
MANAGEMENT RELATED OCCUPATIONS, N.E.C.	24	7	24	7	-	-	-	-	-	-	-	-
PROFESSIONAL SPECIALTY OCCUPATIONS	16 166	14 307	15 540	13 672	372	518	4	28	197	58	168	129
ENGINEERS, ARCHITECTS, AND SURVEYORS	3 526	123	3 425	114	37	9	-	-	57	-	25	7
ARCHITECTS	243	12	243	12	-	-	-	-	-	-	-	7
ENGINEERS	3 256	111	3 155	102	37	9	-	-	57	-	25	-
AEROSPACE	52	-	52	-	-	-	-	-	-	-	-	-
METALLURGICAL AND MATERIALS	59	7	59	7	-	-	-	-	-	-	-	-
MINING	-	-	-	-	-	-	-	-	-	-	-	-
PETROLEUM	-	-	-	-	-	-	-	-	-	-	-	-
CHEMICAL	86	-	79	-	-	-	-	-	7	-	-	-
NUCLEAR	-	-	-	-	-	-	-	-	-	-	-	-
CIVIL	401	-	383	-	6	-	-	-	12	-	-	-
AGRICULTURAL	-	-	-	-	-	-	-	-	-	-	-	-
ELECTRICAL AND ELECTRONIC	497	26	487	17	4	9	-	-	6	-	4	-
INDUSTRIAL	798	48	783	48	15	-	-	-	-	-	7	-
MECHANICAL	716	6	690	6	7	-	-	-	19	-	7	-
MARINE AND NAVAL ARCHITECTS	-	2	-	2	-	-	-	-	-	-	-	-
ENGINEERS, N.E.C.	647	22	622	22	5	-	-	-	13	-	7	-
SURVEYORS AND MAPPING SCIENTISTS	27	-	27	-	-	-	-	-	-	-	-	-

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TABLE 219. (B) DETAILED OCCUPATION OF EMPLOYED PERSONS BY SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

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GRAND RAPIDS, MI SMSA

	SMSA											
	TOTAL		WHITE		BLACK		AMERICAN INDIAN, ESKIMO AND ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
MATHEMATICAL AND COMPUTER SCIENTISTS	347	65	331	56	5	9	-	-	11	-	5	-
COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS	251	37	240	37	-	-	-	-	11	-	5	-
OPERATIONS AND SYSTEMS RESEARCHERS AND ANALYSTS	79	-	74	-	5	-	-	-	-	-	-	-
ACTUARIES	11	19	11	19	-	-	-	-	-	-	-	-
STATISTICIANS	6	9	6	-	-	9	-	-	-	-	-	-
MATHEMATICAL SCIENTISTS, N.E.C.	-	-	-	-	-	-	-	-	-	-	-	-
NATURAL SCIENTISTS	330	64	307	64	-	-	-	-	23	-	-	-
PHYSICISTS AND ASTRONOMERS	2	-	2	-	-	-	-	-	-	-	-	-
CHEMISTS, EXCEPT BIOCHEMISTS	204	10	186	10	-	-	-	-	18	-	-	-
ATMOSPHERIC AND SPACE SCIENTISTS	20	-	20	-	-	-	-	-	-	-	-	-
GEOLOGISTS AND GEODESISTS	10	8	10	8	-	-	-	-	-	-	-	-
PHYSICAL SCIENTISTS, N.E.C.	3	-	3	-	-	-	-	-	-	-	-	-
AGRICULTURAL AND FOOD SCIENTISTS	37	11	37	11	-	-	-	-	-	-	-	-
BIOLOGICAL AND LIFE SCIENTISTS	21	12	21	12	-	-	-	-	-	-	-	-
FORESTRY AND CONSERVATION SCIENTISTS	15	8	15	8	-	-	-	-	-	-	-	-
MEDICAL SCIENTISTS	18	15	13	15	-	-	-	-	5	-	-	-
HEALTH DIAGNOSING OCCUPATIONS	1 474	95	1 416	95	21	-	-	-	37	-	33	-
PHYSICIANS	957	44	906	44	14	-	-	-	37	-	33	-
DENTISTS	292	34	288	34	4	-	-	-	-	-	-	-
VETERINARIANS	73	12	73	12	-	-	-	-	-	-	-	-
OPTOMETRISTS	64	-	64	-	-	-	-	-	-	-	-	-
PODIATRISTS	32	-	29	-	3	-	-	-	-	-	-	-
HEALTH DIAGNOSING PRACTITIONERS, N.E.C.	56	5	56	5	-	-	-	-	-	-	-	-
HEALTH ASSESSMENT AND TREATING OCCUPATIONS	549	3 946	547	3 889	2	39	-	-	-	18	-	15
REGISTERED NURSES	81	3 292	81	3 252	-	28	-	-	-	12	-	15
PHARMACISTS	289	82	289	76	-	-	-	-	-	6	-	-
DIETITIANS	5	120	5	109	-	11	-	-	-	-	-	-
THERAPISTS	110	416	108	416	2	-	-	-	-	-	-	-
INHALATION THERAPISTS	32	106	30	106	2	-	-	-	-	-	-	-
OCCUPATIONAL THERAPISTS	5	60	5	60	-	-	-	-	-	-	-	-
PHYSICAL THERAPISTS	30	113	30	113	-	-	-	-	-	-	-	-
SPEECH THERAPISTS	-	100	-	100	-	-	-	-	-	-	-	-
THERAPISTS, N.E.C.	43	37	43	37	-	-	-	-	-	-	-	-
PHYSICIANS' ASSISTANTS	64	36	64	36	-	-	-	-	-	-	-	-
TEACHERS, POSTSECONDARY	744	401	718	384	13	-	-	-	-	10	23	11
BIOLOGICAL SCIENCE TEACHERS	26	-	26	-	-	-	-	-	-	-	-	-
CHEMISTRY TEACHERS	4	8	4	8	-	-	-	-	-	-	-	-
PHYSICS TEACHERS	-	-	-	-	-	-	-	-	-	-	-	-
OTHER NATURAL SCIENCE TEACHERS	20	-	20	-	-	-	-	-	-	-	-	-
PSYCHOLOGY TEACHERS	-	7	-	-	-	-	-	-	-	-	-	7
ECONOMICS TEACHERS	-	-	-	-	-	-	-	-	-	-	-	-
HISTORY TEACHERS	15	-	15	-	-	-	-	-	-	-	-	-
OTHER SOCIAL SCIENCE TEACHERS	19	6	19	6	-	-	-	-	-	-	-	-
ENGINEERING TEACHERS	6	-	6	-	-	-	-	-	-	-	-	-
MATHEMATICAL AND COMPUTER SCIENCE TEACHERS	16	8	16	8	-	-	-	-	-	-	-	4
MEDICAL SCIENCE TEACHERS	6	-	6	-	-	-	-	-	-	-	-	-
HEALTH SPECIALTIES TEACHERS	5	30	5	30	-	-	-	-	-	-	-	-
BUSINESS, COMMERCE, AND MARKETING TEACHERS	7	6	7	1	-	-	-	-	-	5	-	-
ART, DRAMA, AND MUSIC TEACHERS	39	37	39	37	-	-	-	-	-	-	-	-
ENGLISH TEACHERS	20	36	20	36	-	-	-	-	-	-	-	-
FOREIGN LANGUAGE TEACHERS	16	6	16	6	-	-	-	-	-	-	10	-
OTHER SPECIFIED TEACHERS	17	15	17	15	-	-	-	-	-	-	-	-
POSTSECONDARY TEACHERS, SUBJECT NOT SPECIFIED	528	242	502	237	13	-	-	-	-	5	13	-
TEACHERS, EXCEPT POSTSECONDARY	3 809	6 540	3 663	6 204	106	288	-	15	25	18	48	47
TEACHERS, PREKINDERGARTEN AND KINDERGARTEN	14	327	14	307	-	20	-	-	-	-	-	5
TEACHERS, ELEMENTARY SCHOOL	2 309	4 526	2 204	4 298	76	187	-	8	24	18	22	37
TEACHERS, SECONDARY SCHOOL	1 238	1 131	1 200	1 067	30	64	-	-	1	-	17	5
TEACHERS, SPECIAL EDUCATION	16	47	16	40	-	7	-	-	-	-	-	-
TEACHERS, N.E.C.	232	509	229	492	-	10	-	7	-	-	9	-
COUNSELORS, EDUCATIONAL AND VOCATIONAL	289	225	260	203	18	22	4	-	7	-	-	-
LIBRARIANS, ARCHIVISTS, AND CURATORS	78	416	68	370	-	46	-	-	10	-	-	-
LIBRARIANS	73	406	63	360	-	46	-	-	10	-	-	-
ARCHIVISTS AND CURATORS	5	10	5	10	-	-	-	-	-	-	-	-
SOCIAL SCIENTISTS AND URBAN PLANNERS	298	153	282	147	8	6	-	-	-	-	8	-
ECONOMISTS	106	71	98	71	-	-	-	-	-	-	8	-
PSYCHOLOGISTS	161	69	161	69	-	-	-	-	-	-	-	-
SOCIOLOGISTS	-	-	-	-	-	-	-	-	-	-	-	-
SOCIAL SCIENTISTS, N.E.C.	17	-	17	-	-	-	-	-	-	-	-	-
URBAN PLANNERS	14	13	6	7	8	6	-	-	-	-	-	-
SOCIAL, RECREATION, AND RELIGIOUS WORKERS	1 700	893	1 592	797	92	79	-	11	6	6	14	11
SOCIAL WORKERS	566	710	497	619	63	79	-	6	-	6	6	11
RECREATION WORKERS	14	49	14	44	-	-	-	5	-	-	-	-
CLERGY	1 023	29	984	29	29	-	-	-	6	-	8	-
RELIGIOUS WORKERS, N.E.C.	97	105	97	105	-	-	-	-	-	-	-	-
LAWYERS AND JUDGES	999	112	974	112	19	-	-	-	6	-	5	-
LAWYERS	946	106	921	106	19	-	-	-	6	-	5	-
JUDGES	53	6	53	6	-	-	-	-	-	-	-	-
WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES	2 023	1 274	1 957	1 237	51	20	-	2	15	6	7	38
AUTHORS	9	44	9	38	-	6	-	-	-	-	-	-
TECHNICAL WRITERS	91	47	91	47	-	-	-	-	-	-	-	-
DESIGNERS	535	383	528	381	-	-	-	2	7	-	-	10
MUSICIANS AND COMPOSERS	265	114	236	114	29	-	-	-	-	-	-	-
ACTORS AND DIRECTORS	88	33	88	33	-	-	-	-	-	-	-	-
PAINTERS, SCULPTORS, CRAFT-ARTISTS, AND ARTIST PRINTMAKERS	189	205	189	201	-	-	-	-	-	-	-	11
PHOTOGRAPHERS	244	64	244	57	-	7	-	-	-	-	7	-
DANCERS	8	-	8	-	-	-	-	-	-	-	-	-
ARTISTS, PERFORMERS AND RELATED WORKERS, N.E.C.	44	48	44	48	-	-	-	-	-	-	-	-
EDITORS AND REPORTERS	252	168	244	157	8	-	-	-	-	6	-	17
PUBLIC RELATIONS SPECIALISTS	175	97	168	97	7	-	-	-	-	-	-	-
ANNOUNCERS	85	18	77	18	-	-	-	-	8	-	-	-
ATHLETES	38	53	31	46	7	7	-	-	-	-	-	-

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GRAND RAPIDS, MI SMSA

	SMSA											
	TOTAL		WHITE		BLACK		AMERICAN INDIAN, ESKIMO AND ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS	29 181	51 553	28 506	49 213	475	1 721	23	89	101	200	269	624
TECHNICIANS AND RELATED SUPPORT OCCUPATIONS	3 047	3 735	2 959	3 565	41	150	8	2	16	6	51	25
HEALTH TECHNOLOGISTS AND TECHNICIANS	263	2 953	257	2 839	6	106	-	2	-	6	-	13
CLINICAL LABORATORY TECHNOLOGISTS AND TECHNICIANS	107	528	107	496	-	26	-	-	-	6	-	-
DENTAL HYGIENISTS	-	275	-	275	-	-	-	-	-	-	-	7
HEALTH RECORD TECHNOLOGISTS AND TECHNICIANS	-	17	-	17	-	-	-	-	-	-	-	-
RADIOLOGIC TECHNICIANS	50	152	50	147	-	5	-	-	-	-	-	-
LICENSED PRACTICAL NURSES	7	1 714	7	1 663	-	49	-	2	-	-	-	6
HEALTH TECHNOLOGISTS AND TECHNICIANS, N.E.C.	99	267	93	241	6	26	-	-	-	-	-	-
ENGINEERING AND RELATED TECHNOLOGISTS AND TECHNICIANS	1 761	216	1 707	216	23	-	8	-	8	-	35	-
ELECTRICAL AND ELECTRONIC TECHNICIANS	402	19	398	19	-	-	-	-	4	-	-	-
INDUSTRIAL ENGINEERING TECHNICIANS	41	4	41	4	-	-	-	-	-	-	-	-
MECHANICAL ENGINEERING TECHNICIANS	41	-	41	-	-	-	-	-	-	-	11	-
ENGINEERING TECHNICIANS, N.E.C.	331	96	317	96	6	-	8	-	-	-	-	-
DRAFTING OCCUPATIONS	903	97	867	97	17	-	-	-	4	-	24	-
SURVEYING AND MAPPING TECHNICIANS	43	-	43	-	-	-	-	-	-	-	-	-
SCIENCE TECHNICIANS	294	191	286	174	-	5	-	-	8	-	-	12
BIOLOGICAL TECHNICIANS	35	33	35	33	-	-	-	-	-	-	-	-
CHEMICAL TECHNICIANS	164	87	156	81	-	-	-	-	8	-	-	6
SCIENCE TECHNICIANS, N.E.C.	95	71	95	60	-	5	-	-	-	-	-	6
TECHNICIANS, EXCEPT HEALTH, ENGINEERING, AND SCIENCE	729	375	709	336	12	39	-	-	-	-	16	-
AIRPLANE PILOTS AND NAVIGATORS	58	4	58	4	-	-	-	-	-	-	-	-
AIR TRAFFIC CONTROLLERS	43	7	35	7	-	-	-	-	-	-	8	-
BROADCAST EQUIPMENT OPERATORS	75	39	75	31	-	8	-	-	-	-	-	-
COMPUTER PROGRAMMERS	358	167	346	147	12	20	-	-	-	-	-	-
TOOL PROGRAMMERS, NUMERICAL CONTROL	23	-	23	-	-	-	-	-	-	-	-	-
LEGAL ASSISTANTS	32	92	32	81	-	11	-	-	-	-	-	-
TECHNICIANS, N.E.C.	140	66	140	66	-	-	-	-	-	-	8	-
SALES OCCUPATIONS	15 922	12 512	15 666	12 087	192	309	8	14	50	50	89	139
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS, SALARIED	2 055	624	2 028	615	17	9	-	-	10	-	4	11
MANUFACTURING	137	15	137	15	-	-	-	-	-	-	4	-
WHOLESALE TRADE	302	18	297	18	-	-	-	-	5	-	-	-
RETAIL TRADE	1 485	545	1 463	536	17	9	-	-	5	-	-	-
ALL OTHER INDUSTRIES	131	46	131	46	-	-	-	-	-	-	-	11
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS, SELF-EMPLOYED	561	193	553	184	8	-	-	-	-	-	10	9
MANUFACTURING	1	9	1	9	-	-	-	-	-	-	-	-
WHOLESALE TRADE	62	-	62	-	-	-	-	-	-	-	-	-
RETAIL TRADE	475	184	467	175	8	-	-	-	-	-	10	9
ALL OTHER INDUSTRIES	23	-	23	-	-	-	-	-	-	-	-	-
SALES REPRESENTATIVES, FINANCE AND BUSINESS SERVICES	3 627	1 391	3 564	1 353	54	35	-	-	9	3	6	9
INSURANCE SALES OCCUPATIONS	1 307	340	1 281	333	17	7	-	-	9	-	-	9
REAL ESTATE SALES OCCUPATIONS	1 118	573	1 102	558	16	15	-	-	-	-	-	-
SECURITIES AND FINANCIAL SERVICES SALES OCCUPATIONS	159	30	159	30	-	-	-	-	-	-	-	-
ADVERTISING AND RELATED SALES OCCUPATIONS	271	109	267	103	4	6	-	-	-	-	-	-
SALES OCCUPATIONS, OTHER BUSINESS SERVICES	772	339	755	329	17	7	-	-	-	3	6	-
SALES REPRESENTATIVES, COMMODITIES, EXCEPT RETAIL	4 425	496	4 381	482	33	14	-	-	11	-	29	-
SALES ENGINEERS	244	8	244	8	-	-	-	-	-	-	7	-
SALES REPRESENTATIVES, MINING, MANUFACTURING, AND WHOLESALE	4 181	488	4 137	474	33	14	-	-	11	-	22	-
WHOLESALE TRADE	2 794	290	2 750	276	33	14	-	-	11	-	10	-
SALES WORKERS, RETAIL AND PERSONAL SERVICES	5 227	9 747	5 113	9 392	80	251	8	14	20	47	40	110
SALES WORKERS, MOTOR VEHICLES AND BOATS	877	95	861	88	16	-	-	-	-	7	19	-
SALES WORKERS, APPAREL	256	1 178	239	1 158	17	20	-	-	-	-	-	14
SALES WORKERS, SHOES	177	156	177	156	-	-	-	-	-	-	7	-
SALES WORKERS, FURNITURE AND HOME FURNISHINGS	274	191	274	191	-	-	-	-	-	-	-	7
SALES WORKERS, RADIO, TV, HI-FI, AND APPLIANCES	288	90	288	90	-	-	-	-	-	-	-	-
SALES WORKERS, HARDWARE AND BUILDING SUPPLIES	462	156	449	156	-	-	-	-	13	-	-	-
SALES WORKERS, PARTS	690	37	688	37	-	-	2	-	-	-	-	-
SALES WORKERS, OTHER COMMODITIES	1 085	2 895	1 047	2 771	25	96	6	-	7	6	-	45
RETAIL TRADE	978	2 835	940	2 716	25	91	6	-	7	6	-	45
PERSONAL, BUSINESS AND REPAIR SERVICES	34	7	34	7	-	-	-	-	-	-	-	-
ALL OTHER INDUSTRIES	73	53	73	48	-	5	-	-	-	-	-	-
SALES COUNTER CLERKS	57	159	57	153	-	6	-	-	-	-	-	-
CASHIERS	705	4 219	683	4 032	16	123	-	9	-	34	14	44
STREET AND DOOR-TO-DOOR SALES WORKERS	169	474	169	463	-	6	-	5	-	-	-	-
NEWS VENDORS	187	97	181	97	6	-	-	-	-	-	-	-
SALES RELATED OCCUPATIONS	27	61	27	61	-	-	-	-	-	-	-	-
DEMONSTRATORS, PROMOTERS AND MODELS, SALES	-	30	-	30	-	-	-	-	-	-	-	-
AUCTIONEERS	16	9	16	9	-	-	-	-	-	-	-	-
SALES SUPPORT OCCUPATIONS, N.E.C.	11	22	11	22	-	-	-	-	-	-	-	-
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL	10 212	35 306	9 881	33 561	242	1 262	7	73	35	144	129	460
SUPERVISORS, ADMINISTRATIVE SUPPORT OCCUPATIONS	1 538	1 209	1 518	1 139	20	70	-	-	-	-	-	-
SUPERVISORS, GENERAL OFFICE	637	803	617	745	20	58	-	-	-	-	-	-
SUPERVISORS, COMPUTER EQUIPMENT OPERATORS	54	21	54	21	-	-	-	-	-	-	-	-
SUPERVISORS, FINANCIAL RECORDS PROCESSING	247	260	247	255	-	5	-	-	-	-	-	-
CHIEF COMMUNICATIONS OPERATORS	117	76	117	69	-	7	-	-	-	-	-	-
SUPERVISORS; DISTRIBUTION, SCHEDULING, AND ADJUSTING CLERKS	483	49	483	49	-	-	-	-	-	-	-	-

(1) PERSONS OF SPANISH ORIGIN MAY BE OF ANY RACE.

TABLE 219. (B) DETAILED OCCUPATION OF EMPLOYED PERSONS BY SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

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GRAND RAPIDS, MI SMSA

	SMSA											
	TOTAL		WHITE		BLACK		AMERICAN INDIAN, ESKIMO AND ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
COMPUTER EQUIPMENT OPERATORS	358	692	336	646	9	38	-	-	13	8	5	-
COMPUTER OPERATORS	346	686	324	640	9	38	-	-	13	8	5	-
PERIPHERAL EQUIPMENT OPERATORS	12	6	12	6	-	-	-	-	-	-	-	-
SECRETARIES, STENOGRAPHERS, AND TYPISTS	93	12 092	93	11 557	-	383	-	7	-	36	-	177
SECRETARIES	66	10 239	66	9 876	-	253	-	7	-	10	-	149
STENOGRAPHERS	5	156	5	130	-	19	-	-	-	7	-	-
TYPISTS	22	1 697	22	1 551	-	111	-	-	-	19	-	28
INFORMATION CLERKS	255	2 401	233	2 297	22	51	-	6	-	17	-	43
INTERVIEWERS	53	282	31	251	22	16	-	-	-	-	-	7
HOTEL CLERKS	78	94	78	94	-	-	-	-	-	-	-	-
TRANSPORTATION TICKET AND RESERVATION AGENTS	33	30	33	30	-	-	-	-	-	-	-	-
RECEPTIONISTS	26	1 690	26	1 634	-	24	-	-	-	17	-	30
INFORMATION CLERKS, N.E.C.	65	305	65	288	-	11	-	6	-	-	-	6
RECORDS PROCESSING OCCUPATIONS, EXCEPT FINANCIAL	626	2 270	611	2 121	15	89	-	-	-	34	21	37
CLASSIFIED-AD CLERKS	11	16	11	16	-	-	-	-	-	-	-	-
CORRESPONDENCE CLERKS	6	27	6	27	-	-	-	-	-	-	-	-
ORDER CLERKS	342	740	342	727	-	7	-	-	-	6	16	4
PERSONNEL CLERKS, EXCEPT PAYROLL AND TIMEKEEPING	18	150	18	142	-	8	-	-	-	-	-	-
LIBRARY CLERKS	59	438	56	410	3	22	-	-	-	6	-	-
FILE CLERKS	146	664	134	592	12	46	-	-	-	-	5	33
RECORDS CLERKS	44	235	44	207	-	6	-	-	-	22	-	-
FINANCIAL RECORDS PROCESSING OCCUPATIONS	762	5 415	735	5 293	23	75	-	-	4	10	-	62
BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS	509	4 043	486	3 993	23	22	-	-	-	10	-	22
PAYROLL AND TIMEKEEPING CLERKS	56	415	56	400	-	15	-	-	-	-	-	7
BILLING CLERKS	72	481	72	459	-	17	-	-	-	-	-	11
COST AND RATE CLERKS	121	375	121	362	-	13	-	-	-	-	-	8
BILLING, POSTING, AND CALCULATING MACHINE OPERATORS	4	101	-	79	-	8	-	-	4	-	-	14
DUPLICATING, MAIL, AND OTHER OFFICE MACHINE OPERATORS	32	127	32	120	-	7	-	-	-	-	-	-
DUPLICATING MACHINE OPERATORS	23	24	23	17	-	7	-	-	-	-	-	-
MAIL PREPARING AND PAPER HANDLING MACHINE OPERATORS	-	22	-	22	-	-	-	-	-	-	-	-
OFFICE MACHINE OPERATORS, N.E.C.	9	81	9	81	-	-	-	-	-	-	-	-
COMMUNICATIONS EQUIPMENT OPERATORS	43	864	43	763	-	101	-	-	-	-	-	-
TELEPHONE OPERATORS	33	845	33	744	-	101	-	-	-	-	-	-
TELEGRAPHERS	-	-	-	-	-	-	-	-	-	-	-	-
COMMUNICATIONS EQUIPMENT OPERATORS, N.E.C.	10	19	10	19	-	-	-	-	-	-	-	-
MAIL AND MESSAGE DISTRIBUTING OCCUPATIONS	1 158	671	1 101	597	42	57	-	-	-	10	14	7
POSTAL CLERKS, EXCEPT MAIL CARRIERS	341	255	327	216	8	30	-	-	-	5	5	4
MAIL CARRIERS, POSTAL SERVICE	522	91	505	91	10	-	-	-	-	-	7	-
MAIL CLERKS, EXCEPT POSTAL SERVICE	191	273	167	238	24	27	-	-	-	5	-	3
MESSENGERS	104	52	102	52	-	-	-	-	-	-	2	-
MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING CLERKS	3 760	1 695	3 645	1 594	78	73	7	13	10	6	54	30
DISPATCHERS	156	54	156	54	-	-	-	-	-	-	-	-
PRODUCTION COORDINATORS	484	237	467	222	10	10	7	-	-	-	8	5
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	1 518	440	1 473	425	35	9	-	-	5	6	19	-
STOCK AND INVENTORY CLERKS	1 143	569	1 097	532	26	33	-	-	5	-	27	25
METER READERS	66	24	66	16	-	8	-	-	-	-	-	-
WEIGHERS, MEASURERS, AND CHECKERS	108	70	108	62	-	-	-	8	-	-	-	-
SAMPLERS	2	-	2	-	-	-	-	-	-	-	-	-
EXPEDITERS	239	118	232	105	7	13	-	-	-	-	-	-
MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING CLERKS, N.E.C.	44	183	44	178	-	-	-	5	-	-	-	-
ADJUSTERS AND INVESTIGATORS	556	819	556	785	-	23	-	7	-	-	10	4
INSURANCE ADJUSTERS, EXAMINERS, AND INVESTIGATORS	222	324	222	312	-	5	-	7	-	-	-	-
INVESTIGATORS AND ADJUSTERS, EXCEPT INSURANCE	215	347	215	337	-	10	-	-	-	-	-	-
ELIGIBILITY CLERKS, SOCIAL WELFARE	-	22	-	22	-	-	-	-	-	-	-	-
BILL AND ACCOUNT COLLECTORS	119	126	119	114	-	8	-	-	-	-	10	4
MISCELLANEOUS ADMINISTRATIVE SUPPORT OCCUPATIONS	1 031	7 051	978	6 649	33	295	-	40	8	23	25	100
GENERAL OFFICE CLERKS	404	2 558	380	2 433	24	114	-	3	-	-	-	35
BANK TELLERS	69	1 546	69	1 498	-	28	-	5	-	-	-	15
PROOFREADERS	15	106	15	102	-	4	-	-	-	-	-	-
DATA-ENTRY KEYERS	51	1 153	51	1 090	-	40	-	17	-	6	-	7
STATISTICAL CLERKS	75	204	71	185	4	14	-	-	-	5	-	-
TEACHERS' AIDES	48	783	48	673	-	83	-	-	-	12	13	37
ADMINISTRATIVE SUPPORT OCCUPATIONS, N.E.C.	369	701	344	668	5	12	-	15	8	-	12	6
SERVICE OCCUPATIONS	13 370	21 836	12 142	20 139	879	1 283	76	133	89	118	384	398
PRIVATE HOUSEHOLD OCCUPATIONS	30	1 022	24	934	6	88	-	-	-	-	-	-
OCCUPATION:												
LAUNDERERS AND IRONERS	-	-	-	-	-	-	-	-	-	-	-	-
COOKS, PRIVATE HOUSEHOLD	7	-	7	-	-	-	-	-	-	-	-	-
HOUSEKEEPERS AND BUTLERS	6	84	-	63	6	21	-	-	-	-	-	-
CHILD CARE WORKERS, PRIVATE HOUSEHOLD	8	544	8	507	-	37	-	-	-	-	-	-
PRIVATE HOUSEHOLD CLEANERS AND SERVANTS	9	394	9	364	-	30	-	-	-	-	-	-
LIVING ARRANGEMENT:												
LIVING IN	8	6	8	6	-	-	-	-	-	-	-	-
LIVING OUT	22	1 016	16	928	6	88	-	-	-	-	-	-

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GRAND RAPIDS, MI SMSA

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	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
PROTECTIVE SERVICE OCCUPATIONS	2 354	502	2 131	461	142	41	39	-	-	-	66	-
SUPERVISORS, PROTECTIVE SERVICE OCCUPATIONS	183	5	160	5	16	-	7	-	-	-	-	-
SUPERVISORS, FIREFIGHTING AND FIRE PREVENTION OCCUPATIONS	28	-	28	-	-	-	-	-	-	-	-	-
SUPERVISORS, POLICE AND DETECTIVES	126	5	110	5	16	-	-	-	-	-	-	-
SUPERVISORS, GUARDS	29	-	22	-	-	-	7	-	-	-	-	-
FIREFIGHTING AND FIRE PREVENTION OCCUPATIONS	393	2	372	2	5	-	9	-	-	-	19	-
FIRE INSPECTION AND FIRE PREVENTION OCCUPATIONS	25	2	25	2	-	-	-	-	-	-	-	-
FIREFIGHTING OCCUPATIONS	368	-	347	-	5	-	9	-	-	-	19	-
POLICE AND DETECTIVES	865	70	777	47	45	23	13	-	-	-	26	-
POLICE AND DETECTIVES, PUBLIC SERVICE	646	42	596	29	21	13	5	-	-	-	26	-
SHERIFFS, BAILIFFS, AND OTHER ENFORCEMENT OFFICERS	82	12	75	6	7	6	-	-	-	-	-	-
CORRECTIONAL INSTITUTION OFFICERS	137	16	106	12	17	4	8	-	-	-	-	-
GUARDS	913	425	822	407	76	18	10	-	-	-	21	-
CROSSING GUARDS	13	97	7	92	6	5	-	-	-	-	-	-
GUARDS AND POLICE, EXCEPT PUBLIC SERVICE	844	274	759	261	70	13	10	-	-	-	21	-
PROTECTIVE SERVICE OCCUPATIONS, N.E.C.	56	54	56	54	-	-	-	-	-	-	-	-
SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD	10 986	20 312	9 987	18 744	731	1 154	37	133	89	118	318	398
FOOD PREPARATION AND SERVICE OCCUPATIONS	4 012	9 733	3 740	9 268	186	290	6	61	47	46	86	148
SUPERVISORS, FOOD PREPARATION AND SERVICE OCCUPATIONS	201	545	175	508	12	17	-	-	6	14	8	13
BARTENDERS	398	420	387	415	11	-	-	5	-	-	25	4
WAITERS AND WAITRESSES	270	4 883	265	4 749	-	53	-	29	5	19	-	71
COOKS, EXCEPT SHORT ORDER	1 573	1 548	1 436	1 418	100	110	6	13	20	-	25	23
SHORT-ORDER COOKS	129	76	112	67	11	-	-	9	-	-	6	-
FOOD COUNTER, FOUNTAIN AND RELATED OCCUPATIONS	54	357	54	347	-	5	-	5	-	-	-	15
KITCHEN WORKERS, FOOD PREPARATION	54	315	47	275	-	35	-	-	7	-	-	5
WAITERS' AND WAITRESSES' ASSISTANTS	478	372	467	358	11	7	-	-	-	7	14	-
MISCELLANEOUS FOOD PREPARATION OCCUPATIONS	855	1 217	797	1 131	41	63	-	-	9	6	8	17
HEALTH SERVICE OCCUPATIONS	449	4 515	408	4 143	41	292	-	34	-	22	-	37
DENTAL ASSISTANTS	-	484	-	484	-	-	-	-	-	-	-	7
HEALTH AIDES, EXCEPT NURSING	90	658	79	617	11	26	-	8	-	7	-	-
NURSING AIDES, ORDERLIES, AND ATTENDANTS	359	3 373	329	3 042	30	266	-	26	-	15	-	30
CLEANING AND BUILDING SERVICE OCCUPATIONS, EXCEPT HOUSEHOLD	5 705	2 663	5 084	2 288	467	320	31	29	37	8	209	73
SUPERVISORS, CLEANING AND BUILDING SERVICE WORKERS	178	102	170	77	8	25	-	-	-	-	-	-
MAIDS AND HOUSEMEN	389	1 117	298	948	91	148	-	13	-	-	-	51
JANITORS AND CLEANERS	5 068	1 429	4 550	1 248	364	147	31	16	37	8	209	22
ELEVATOR OPERATORS	13	15	13	15	-	-	-	-	-	-	-	-
PEST CONTROL OCCUPATIONS	57	-	53	-	4	-	-	-	-	-	-	-
PERSONAL SERVICE OCCUPATIONS	820	3 401	755	3 045	37	252	-	9	5	42	23	140
SUPERVISORS, PERSONAL SERVICE OCCUPATIONS	40	12	40	12	-	-	-	-	-	-	-	-
BARBERS	246	8	220	8	16	-	-	-	5	-	5	-
HAIRDRESSERS AND COSMETOLOGISTS	99	1 197	99	1 143	-	33	-	-	-	21	-	24
ATTENDANTS, AMUSEMENT AND RECREATION FACILITIES	131	33	126	33	5	-	-	-	-	-	-	-
GUIDES	33	26	33	26	-	-	-	-	-	-	-	-
USHERS	34	10	34	10	-	-	-	-	-	-	-	-
PUBLIC TRANSPORTATION ATTENDANTS	4	15	4	-	-	15	-	-	-	-	-	-
BAGGAGE PORTERS AND BELLHOPS	7	-	7	-	-	-	-	-	-	-	-	-
WELFARE SERVICE AIDES	9	55	9	46	-	-	-	-	-	9	-	-
CHILD CARE WORKERS, EXCEPT PRIVATE HOUSEHOLD	139	1 760	123	1 517	10	175	-	9	-	6	6	105
PERSONAL SERVICE OCCUPATIONS, N.E.C.	78	285	60	250	6	29	-	-	-	6	12	11
FARMING, FORESTRY, AND FISHING OCCUPATIONS	3 702	970	3 560	928	40	-	11	-	-	2	144	59
FARM OPERATORS AND MANAGERS	1 688	136	1 688	136	-	-	-	-	-	-	-	-
FARMERS, EXCEPT HORTICULTURAL	1 410	96	1 410	96	-	-	-	-	-	-	-	-
AGRICULTURAL PRODUCTION, CROPS	716	55	716	55	-	-	-	-	-	-	-	-
HORTICULTURAL SPECIALTY FARMERS	33	10	33	10	-	-	-	-	-	-	-	-
MANAGERS, FARMS, EXCEPT HORTICULTURAL	204	30	204	30	-	-	-	-	-	-	-	-
MANAGERS, HORTICULTURAL SPECIALTY FARMS	41	-	41	-	-	-	-	-	-	-	-	-
FARM OCCUPATIONS, EXCEPT MANAGERIAL	1 301	637	1 213	597	-	-	9	-	-	2	119	57
SUPERVISORS, FARM WORKERS	91	16	91	16	-	-	-	-	-	-	-	-
FARM WORKERS	1 166	577	1 078	539	-	-	9	-	-	-	119	57
AGRICULTURAL PRODUCTION, CROPS	667	385	581	347	-	-	9	-	-	-	117	57
MARINE LIFE CULTIVATION WORKERS	-	-	-	-	-	-	-	-	-	-	-	-
NURSERY WORKERS	44	44	44	42	-	-	-	-	-	2	-	-
RELATED AGRICULTURAL OCCUPATIONS	632	183	586	181	32	-	2	-	-	-	25	2
SUPERVISORS, RELATED AGRICULTURAL OCCUPATIONS	61	-	61	-	-	-	-	-	-	-	-	-
GROUNDSKEEPERS AND GARDENERS, EXCEPT FARM	539	23	493	23	32	-	2	-	-	-	25	-
ANIMAL CARETAKERS, EXCEPT FARM	26	76	26	76	-	-	-	-	-	-	-	-
GRADERS AND SORTERS, AGRICULTURAL PRODUCTS	6	84	6	82	-	-	-	-	-	-	-	2
INSPECTORS, AGRICULTURAL PRODUCTS	-	-	-	-	-	-	-	-	-	-	-	-
FORESTRY AND LOGGING OCCUPATIONS	74	2	66	2	8	-	-	-	-	-	-	-
SUPERVISORS, FORESTRY AND LOGGING WORKERS	-	-	-	-	-	-	-	-	-	-	-	-
FORESTRY WORKERS, EXCEPT LOGGING	27	2	19	2	8	-	-	-	-	-	-	-
TIMBER CUTTING AND LOGGING OCCUPATIONS	47	-	47	-	-	-	-	-	-	-	-	-
FISHERS, HUNTERS, AND TRAPPERS	7	12	7	12	-	-	-	-	-	-	-	-
CAPTAINS AND OTHER OFFICERS, FISHING VESSELS	-	-	-	-	-	-	-	-	-	-	-	-
FISHERS	7	-	7	-	-	-	-	-	-	-	-	-
HUNTERS AND TRAPPERS	-	12	-	12	-	-	-	-	-	-	-	-

(1) PERSONS OF SPANISH ORIGIN MAY BE OF ANY RACE.

TABLE 219. (8) DETAILED OCCUPATION OF EMPLOYED PERSONS BY SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

[DATA ARE ESTIMATES BASED ON A SAMPLE; SEE INTRODUCTION. FOR MEANING OF SYMBOLS, SEE INTRODUCTION. FOR DEFINITIONS OF TERMS, SEE APPENDIXES A AND B]

GRAND RAPIDS, MI SMSA

	SMSA											
	TOTAL		WHITE		BLACK		AMERICAN INDIAN, ESKIMO AND ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS	34 068	2 740	32 847	2 494	768	192	86	-	140	11	509	57
MECHANICS AND REPAIRERS	9 898	358	9 529	328	250	30	23	-	21	-	173	-
SUPERVISORS, MECHANICS AND REPAIRERS	300	17	291	17	-	-	-	-	-	-	9	-
MECHANICS AND REPAIRERS, EXCEPT SUPERVISORS	9 598	341	9 238	311	250	30	23	-	21	-	164	-
VEHICLE AND MOBILE EQUIPMENT MECHANICS AND REPAIRERS	3 688	35	3 547	31	96	4	7	-	8	-	35	-
AUTOMOBILE MECHANICS	2 145	12	2 044	8	73	4	2	-	8	-	18	-
BUS, TRUCK, AND STATIONARY ENGINE MECHANICS	423	-	423	-	-	-	-	-	-	-	-	-
AIRCRAFT MECHANICS	24	8	24	8	-	-	-	-	-	-	-	-
SMALL ENGINE REPAIRERS	114	5	114	[illegible]	-	-	-	-	-	-	-	-
AUTOMOBILE BODY AND RELATED REPAIRERS	459	5	444	[illegible]	10	-	-	-	-	-	5	-
HEAVY EQUIPMENT MECHANICS	449	-	424	-	13	-	5	-	-	-	12	-
FARM EQUIPMENT MECHANICS	74	5	74	5	-	-	-	-	-	-	-	-
INDUSTRIAL MACHINERY REPAIRERS	2 045	43	1 930	43	73	-	5	-	13	-	60	-
MACHINERY MAINTENANCE OCCUPATIONS	99	-	89	-	7	-	3	-	-	-	7	-
ELECTRICAL AND ELECTRONIC EQUIPMENT REPAIRERS	1 265	102	1 236	95	23	7	-	-	-	-	26	-
ELECTRONIC REPAIRERS, COMMUNICATIONS AND INDUSTRIAL EQUIPMENT	387	11	387	11	-	-	-	-	-	-	-	-
DATA PROCESSING EQUIPMENT REPAIRERS	88	-	88	-	-	-	-	-	-	-	-	-
HOUSEHOLD APPLIANCE AND POWER TOOL REPAIRERS	189	-	178	-	11	-	-	-	-	-	8	-
TELEPHONE LINE INSTALLERS AND REPAIRERS	142	-	137	-	5	-	-	-	-	-	12	-
TELEPHONE INSTALLERS AND REPAIRERS	421	78	408	71	7	7	-	-	-	-	6	-
MISCELLANEOUS ELECTRICAL AND ELECTRONIC EQUIPMENT REPAIRERS	38	13	38	13	-	-	-	-	-	-	-	-
HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS	378	10	372	10	6	-	-	-	-	-	-	-
MISCELLANEOUS MECHANICS AND REPAIRERS	2 123	151	2 064	132	45	19	8	-	-	-	36	-
CAMERA, WATCH, AND MUSICAL INSTRUMENT REPAIRERS	173	25	173	25	-	-	-	-	-	-	7	-
LOCKSMITHS AND SAFE REPAIRERS	29	-	29	-	-	-	-	-	-	-	-	-
OFFICE MACHINE REPAIRERS	107	-	107	-	-	-	-	-	-	-	-	-
MECHANICAL CONTROLS AND VALVE REPAIRERS	92	2	92	2	-	-	-	-	-	-	-	-
ELEVATOR INSTALLERS AND REPAIRERS	32	-	32	-	-	-	-	-	-	-	-	-
MILLWRIGHTS	573	20	536	15	23	5	8	-	-	-	6	-
SPECIFIED MECHANICS AND REPAIRERS, N.E.C.	863	96	852	82	11	14	-	-	-	-	23	-
NOT SPECIFIED MECHANICS AND REPAIRERS	254	8	243	8	11	-	-	-	-	-	-	-
CONSTRUCTION TRADES	9 998	229	9 772	185	151	36	25	-	31	-	102	8
SUPERVISORS; CONSTRUCTION OCCUPATIONS	1 767	15	1 761	15	6	-	-	-	-	-	11	-
SUPERVISORS; BRICKMASONS, STONEMASONS, AND TILE SETTERS	20	-	20	-	-	-	-	-	-	-	-	-
SUPERVISORS; CARPENTERS AND RELATED WORKERS	45	-	45	-	-	-	-	-	-	-	-	-
SUPERVISORS; ELECTRICIANS AND POWER TRANSMISSION INSTALLERS	100	-	100	-	-	-	-	-	-	-	-	-
SUPERVISORS; PAINTERS, PAPERHANGERS, AND PLASTERERS	3	-	3	-	-	-	-	-	-	-	-	-
SUPERVISORS; PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	29	-	29	-	-	-	-	-	-	-	-	-
SUPERVISORS; N.E.C.	1 570	15	1 564	15	6	-	-	-	-	-	11	-
CONSTRUCTION TRADES, EXCEPT SUPERVISORS	8 231	214	8 011	170	145	36	25	-	31	-	91	8
BRICKMASONS AND STONEMASONS	554	2	528	2	17	-	6	-	-	-	9	-
TILE SETTERS, HARD AND SOFT	41	6	41	6	-	-	-	-	-	-	5	-
CARPET INSTALLERS	164	-	164	-	-	-	-	-	-	-	-	-
CARPENTERS	2 347	36	2 311	23	13	13	10	-	6	-	31	-
DRYWALL INSTALLERS	316	5	311	5	5	-	-	-	-	-	11	-
ELECTRICIANS	1 550	47	1 515	34	19	5	-	-	9	-	31	8
ELECTRICAL POWER INSTALLERS AND REPAIRERS	252	-	241	-	11	-	-	-	-	-	-	-
PAINTERS, CONSTRUCTION AND MAINTENANCE	912	69	869	51	31	18	6	-	6	-	2	-
PAPERHANGERS	34	13	34	13	-	-	-	-	-	-	-	-
PLASTERERS	61	-	61	-	-	-	-	-	-	-	-	-
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	916	6	879	6	31	-	-	-	4	-	2	-
CONCRETE AND TERRAZZO FINISHERS	146	-	134	-	12	-	-	-	-	-	-	-
GLAZIERS	45	9	45	9	-	-	-	-	-	-	-	-
INSULATION WORKERS	143	8	143	8	-	-	-	-	-	-	-	-
PAVING, SURFACING, AND TAMPING EQUIPMENT OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-
ROOFERS	296	-	284	-	6	-	-	-	6	-	-	-
SHEETMETAL DUCT INSTALLERS	45	-	45	-	-	-	-	-	-	-	-	-
STRUCTURAL METAL WORKERS	153	7	153	7	-	-	-	-	-	-	-	-
DRILLERS, EARTH	51	-	51	-	-	-	-	-	-	-	-	-
CONSTRUCTION TRADES, N.E.C.	205	6	202	6	-	-	3	-	-	-	-	-
EXTRACTIVE OCCUPATIONS	36	-	29	-	7	-	-	-	-	-	-	-
SUPERVISORS, EXTRACTIVE OCCUPATIONS	14	-	14	-	-	-	-	-	-	-	-	-
DRILLERS, OIL WELL	-	-	-	-	-	-	-	-	-	-	-	-
EXPLOSIVES WORKERS	15	-	8	-	7	-	-	-	-	-	-	-
MINING MACHINE OPERATORS	7	-	7	-	-	-	-	-	-	-	-	-
MINING OCCUPATIONS, N.E.C.	-	-	-	-	-	-	-	-	-	-	-	-

(1) PERSONS OF SPANISH ORIGIN MAY BE OF ANY RACE.

TABLE 219. (B) DETAILED OCCUPATION OF EMPLOYED PERSONS BY SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

[DATA ARE ESTIMATES BASED ON A SAMPLE; SEE INTRODUCTION. FOR MEANING OF SYMBOLS, SEE INTRODUCTION. FOR DEFINITIONS OF TERMS, SEE APPENDIXES A AND B]

GRAND RAPIDS, MI SMSA

	SMSA											
	TOTAL		WHITE		BLACK		AMERICAN INDIAN, ESKIMO AND ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
PRECISION PRODUCTION OCCUPATIONS	14 136	2 153	13 517	1 981	360	126	38	-	88	11	234	49
SUPERVISORS, PRODUCTION OCCUPATIONS	6 164	688	5 967	656	133	19	1	-	14	-	84	13
NONDURABLE GOODS MANUFACTURING	1 224	197	1 198	177	10	7	1	-	6	-	28	13
DURABLE GOODS MANUFACTURING	3 611	250	3 477	238	93	12	-	-	8	-	38	-
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	313	22	313	22	-	-	-	-	-	-	-	-
WHOLESALE AND RETAIL TRADE	889	182	852	182	30	-	-	-	-	-	18	-
ALL OTHER INDUSTRIES	127	37	127	37	-	-	-	-	-	-	-	-
PRECISION METALWORKING OCCUPATIONS	5 107	123	4 915	110	105	13	29	-	21	-	73	-
TOOL AND DIE MAKERS	2 766	34	2 693	29	59	5	6	-	6	-	2	-
PRECISION ASSEMBLERS, METAL	34	20	25	20	-	-	-	-	9	-	-	-
MACHINISTS	1 401	51	1 309	43	35	8	16	-	6	-	71	-
BOILERMAKERS	79	-	79	-	-	-	-	-	-	-	-	-
PRECISION GRINDERS, FILERS, AND TOOL SHARPENERS	53	-	46	-	-	-	7	-	-	-	-	-
PATTERNMAKERS AND MODEL MAKERS, METAL	251	-	251	-	-	-	-	-	-	-	-	-
LAY-OUT WORKERS	6	-	6	-	-	-	-	-	-	-	-	-
PRECIOUS STONES AND METALS WORKERS (JEWELERS)	45	8	45	8	-	-	-	-	-	-	-	-
ENGRAVERS, METAL	29	6	29	6	-	-	-	-	-	-	-	-
SHEET METAL WORKERS	443	-	432	-	11	-	-	-	-	-	-	-
MISCELLANEOUS PRECISION METAL WORKERS	-	4	-	4	-	-	-	-	-	-	-	-
PRECISION WOODWORKING OCCUPATIONS	445	130	400	130	23	-	-	-	15	-	7	7
PATTERNMAKERS AND MODEL MAKERS, WOOD	35	-	35	-	-	-	-	-	-	-	-	-
CABINET MAKERS AND BENCH CARPENTERS	180	39	173	39	-	-	-	-	7	-	-	-
FURNITURE AND WOOD FINISHERS	194	83	156	83	23	-	-	-	8	-	7	7
MISCELLANEOUS PRECISION WOODWORKERS	36	8	36	8	-	-	-	-	-	-	-	-
PRECISION TEXTILE, APPAREL, AND FURNISHINGS MACHINE WORKERS	416	449	380	402	13	19	-	-	23	11	-	21
DRESSMAKERS	9	308	9	289	-	8	-	-	-	11	-	-
TAILORS	60	40	41	33	-	-	-	-	19	-	-	7
UPHOLSTERERS	301	63	284	42	13	11	-	-	4	-	-	10
SHOE REPAIRERS	41	16	41	16	-	-	-	-	-	-	-	4
APPAREL AND FABRIC PATTERNMAKERS	-	-	-	-	-	-	-	-	-	-	-	-
MISCELLANEOUS PRECISION APPAREL AND FABRIC WORKERS	5	22	5	22	-	-	-	-	-	-	-	-
PRECISION WORKERS, ASSORTED MATERIALS	489	349	482	307	7	37	-	-	-	-	-	8
HAND MOLDERS AND SHAPERS, EXCEPT JEWELERS	97	38	90	33	7	5	-	-	-	-	-	-
PATTERNMAKERS, LAY-OUT WORKERS, AND CUTTERS	-	14	-	14	-	-	-	-	-	-	-	-
OPTICAL GOODS WORKERS	83	35	83	35	-	-	-	-	-	-	-	-
DENTAL LABORATORY AND MEDICAL APPLIANCE TECHNICIANS	149	71	149	71	-	-	-	-	-	-	-	3
BOOKBINDERS	39	57	39	48	-	9	-	-	-	-	-	-
ELECTRICAL AND ELECTRONIC EQUIPMENT ASSEMBLERS	38	119	38	99	-	15	-	-	-	-	-	5
MISCELLANEOUS PRECISION WORKERS, N.E.C.	83	15	83	7	-	8	-	-	-	-	-	-
PRECISION FOOD PRODUCTION OCCUPATIONS	1 019	299	897	274	65	25	8	-	9	-	64	-
BUTCHERS AND MEAT CUTTERS	686	72	621	72	24	-	8	-	-	-	40	-
BAKERS	275	194	225	174	41	20	-	-	9	-	17	-
FOOD BATCHMAKERS	58	33	51	28	-	5	-	-	-	-	7	-
PRECISION INSPECTORS, TESTERS, AND RELATED WORKERS	150	108	143	95	7	13	-	-	-	-	6	-
INSPECTORS, TESTERS, AND GRADERS	129	77	122	64	7	13	-	-	-	-	6	-
ADJUSTERS AND CALIBRATORS	21	31	21	31	-	-	-	-	-	-	-	-
PLANT AND SYSTEM OPERATORS	346	7	333	7	7	-	-	-	6	-	-	-
WATER AND SEWAGE TREATMENT PLANT OPERATORS	79	-	79	-	-	-	-	-	-	-	-	-
POWER PLANT OPERATORS	29	7	29	7	-	-	-	-	-	-	-	-
STATIONARY ENGINEERS	213	-	200	-	7	-	-	-	6	-	-	-
MISCELLANEOUS PLANT AND SYSTEM OPERATORS	25	-	25	-	-	-	-	-	-	-	-	-
OPERATORS, FABRICATORS, AND LABORERS	42 251	18 486	38 608	16 218	2 279	1 622	258	143	303	209	1 382	749
MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS	22 404	13 532	20 115	11 635	1 459	1 388	149	112	220	182	835	538
MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION	14 235	7 507	12 841	6 557	868	701	101	38	148	91	528	263
METALWORKING AND PLASTIC WORKING MACHINE OPERATORS	4 352	1 347	3 978	1 203	224	108	50	15	51	6	105	69
LATHE AND TURNING MACHINE SET-UP OPERATORS	323	-	303	-	11	-	6	-	-	-	3	-
LATHE AND TURNING MACHINE OPERATORS	599	23	568	21	11	2	7	-	7	-	22	-
MILLING AND PLANING MACHINE OPERATORS	67	7	59	7	8	-	-	-	-	-	-	-
PUNCHING AND STAMPING PRESS MACHINE OPERATORS	1 264	665	1 080	600	114	48	22	-	38	2	24	57
ROLLING MACHINE OPERATORS	18	14	16	14	2	-	-	-	-	-	-	-
DRILLING AND BORING MACHINE OPERATORS	218	52	218	43	-	9	-	-	-	-	-	-
GRINDING, ABRADING, BUFFING, AND POLISHING MACHINE OPERATORS	1 658	541	1 534	473	73	49	15	15	6	4	56	12
FORGING MACHINE OPERATORS	22	9	22	9	-	-	-	-	-	-	-	-
NUMERICAL CONTROL MACHINE OPERATORS	23	7	23	7	-	-	-	-	-	-	-	-
MISCELLANEOUS METAL, PLASTIC, STONE, AND GLASS WORKING MACHINE OPERATORS	160	29	155	29	5	-	-	-	-	-	-	-

(1) PERSONS OF SPANISH ORIGIN MAY BE OF ANY RACE.

TABLE 219. (B) DETAILED OCCUPATION OF EMPLOYED PERSONS BY SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

[DATA ARE ESTIMATES BASED ON A SAMPLE; SEE INTRODUCTION. FOR MEANING OF SYMBOLS, SEE INTRODUCTION. FOR DEFINITIONS OF TERMS, SEE APPENDIXES A AND B]

GRAND RAPIDS, MI SMSA

	SMSA											
	TOTAL		WHITE		BLACK		AMERICAN INDIAN, ESKIMO AND ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
FABRICATING MACHINE OPERATORS, N.E.C.	23	59	23	59	-	-	-	-	-	-	-	-
METAL AND PLASTIC PROCESSING MACHINE OPERATORS.	1 072	336	881	291	149	43	-	-	-	2	48	-
MOLDING AND CASTING MACHINE OPERATORS	724	277	592	238	116	37	-	-	-	2	22	-
METAL PLATING MACHINE OPERATORS.	261	48	215	42	33	6	-	-	-	-	13	-
HEAT TREATING EQUIPMENT OPERATORS.	58	-	51	-	-	-	-	-	-	-	7	-
MISCELLANEOUS METAL AND PLASTIC PROCESSING MACHINE OPERATORS.	29	11	23	11	-	-	-	-	-	-	6	-
WOODWORKING MACHINE OPERATORS	615	135	566	122	37	5	-	-	12	-	5	8
WOOD LATHE, ROUTING, AND PLANING MACHINE OPERATORS	73	6	66	6	7	-	-	-	-	-	-	-
SAWING MACHINE OPERATORS	429	123	401	110	16	5	-	-	12	-	5	8
SHAPING AND JOINING MACHINE OPERATORS	19	-	12	-	7	-	-	-	-	-	-	-
NAILING AND TACKING MACHINE OPERATORS	2	6	2	6	-	-	-	-	-	-	-	-
MISCELLANEOUS WOODWORKING MACHINE OPERATORS	92	-	85	-	7	-	-	-	-	-	-	-
PRINTING MACHINE OPERATORS.	1 069	437	1 033	414	36	19	-	-	-	4	-	10
PRINTING MACHINE OPERATORS	743	132	712	115	31	13	-	-	-	4	-	10
PHOTOENGRAVERS AND LITHOGRAPHERS	114	21	114	21	-	-	-	-	-	-	-	-
TYPESETTERS AND COMPOSITORS.	114	183	109	183	5	-	-	-	-	-	-	-
MISCELLANEOUS PRINTING MACHINE OPERATORS	98	101	98	95	-	6	-	-	-	-	-	-
TEXTILE, APPAREL, AND FURNISHINGS MACHINE OPERATORS.	407	2 013	359	1 697	38	229	-	-	5	58	7	36
WINDING AND TWISTING MACHINE OPERATORS	-	6	-	6	-	-	-	-	-	-	-	-
KNITTING, LOOPING, TAPING, AND WEAVING MACHINE OPERATORS	11	38	11	38	-	-	-	-	-	-	-	-
TEXTILE CUTTING MACHINE OPERATORS.	3	5	3	5	-	-	-	-	-	-	-	-
TEXTILE SEWING MACHINE OPERATORS	47	1 354	27	1 136	15	147	-	-	-	42	5	36
SHOE MACHINE OPERATORS	23	37	23	37	-	-	-	-	-	-	-	-
PRESSING MACHINE OPERATORS	11	142	5	103	6	39	-	-	-	-	-	-
LAUNDERING AND DRY CLEANING MACHINE OPERATORS	177	340	164	281	13	43	-	-	-	16	-	-
MISCELLANEOUS TEXTILE MACHINE OPERATORS	135	91	126	91	4	-	-	-	5	-	2	-
MACHINE OPERATORS, ASSORTED MATERIALS.	6 697	3 180	6 001	2 771	384	297	51	23	80	21	363	140
CEMENTING AND GLUING MACHINE OPERATORS	77	61	77	46	-	15	-	-	-	-	8	-
PACKAGING AND FILLING MACHINE OPERATORS	193	195	171	154	22	37	-	-	-	2	8	2
EXTRUDING AND FORMING MACHINE OPERATORS	54	-	54	-	-	-	-	-	-	-	-	-
MIXING AND BLENDING MACHINE OPERATORS	315	9	285	9	10	-	-	-	-	-	39	-
SEPARATING, FILTERING, AND CLARIFYING MACHINE OPERATORS.	86	9	86	9	-	-	-	-	-	-	6	-
COMPRESSING AND COMPACTING MACHINE OPERATORS	57	12	39	12	6	-	-	-	-	-	17	-
PAINTING AND PAINT SPRAYING MACHINE OPERATORS	801	431	689	361	69	41	9	8	-	-	46	39
ROASTING AND BAKING MACHINE OPERATORS, FOOD	27	13	27	13	-	-	-	-	-	-	-	-
WASHING, CLEANING, AND PICKLING MACHINE OPERATORS	38	27	38	17	-	-	-	-	-	-	-	15
FOLDING MACHINE OPERATORS.	73	44	61	39	12	-	-	5	-	-	-	-
FURNACE, KILN, AND OVEN OPERATORS, EXCEPT FOOD.	374	18	352	18	9	-	-	-	-	-	7	-
CRUSHING AND GRINDING MACHINE OPERATORS	60	-	60	-	-	-	-	-	-	-	-	-
SLICING AND CUTTING MACHINE OPERATORS	633	245	596	221	16	12	-	6	8	6	27	-
MOTION PICTURE PROJECTIONISTS.	17	7	17	7	-	-	-	-	-	-	-	-
PHOTOGRAPHIC PROCESS MACHINE OPERATORS	84	150	84	145	-	5	-	-	-	-	-	9
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS	3 808	1 959	3 365	1 720	240	187	42	4	72	13	205	75
OCCUPATION:												
MISCELLANEOUS MACHINE OPERATORS, N.E.C.	907	612	830	552	48	46	4	2	10	6	31	15
MACHINE OPERATORS, NOT SPECIFIED	2 901	1 347	2 535	1 168	192	141	38	2	62	7	174	60
INDUSTRY:												
MANUFACTURING.	3 510	1 770	3 103	1 550	226	168	33	4	72	13	192	75
NONDURABLE GOODS.	739	725	665	618	46	74	3	2	6	7	62	58
FOOD AND KINDRED PRODUCTS.	213	181	174	138	23	26	-	-	-	-	34	30
TOBACCO MANUFACTURES	-	-	-	-	-	-	-	-	-	-	-	-
TEXTILE MILL PRODUCTS.	42	45	35	40	7	5	-	-	-	-	7	-
APPAREL AND OTHER FINISHED TEXTILE PRODUCTS.	25	33	19	33	-	-	-	-	6	-	-	-
PAPER AND ALLIED PRODUCTS.	102	99	86	92	16	-	-	-	-	-	-	14
PRINTING, PUBLISHING, AND ALLIED INDUSTRIES	39	59	36	52	-	-	-	-	-	7	3	-
CHEMICALS AND ALLIED PRODUCTS.	200	159	200	142	-	17	-	-	-	-	11	10
PETROLEUM AND COAL PRODUCTS.	-	-	-	-	-	-	-	-	-	-	-	-
RUBBER AND MISCELLANEOUS PLASTICS PRODUCTS	99	115	96	87	-	26	3	2	-	-	7	4
LEATHER AND LEATHER PRODUCTS	19	34	19	34	-	-	-	-	-	-	-	-
DURABLE GOODS	2 735	1 016	2 409	903	180	94	30	2	59	6	130	17
LUMBER AND WOOD PRODUCTS, EXCEPT FURNITURE.	36	31	36	31	-	-	-	-	-	-	9	-
FURNITURE AND FIXTURES	758	188	631	169	68	19	4	-	32	-	40	-
STONE, CLAY, GLASS, AND CONCRETE PRODUCTS	72	12	63	10	9	-	-	2	-	-	-	-
PRIMARY METAL INDUSTRIES	285	31	250	24	28	-	-	-	-	-	15	7
BLAST FURNACES, STEELWORKS, ROLLING AND FINISHING MILLS.	9	-	6	-	3	-	-	-	-	-	-	-

(1) PERSONS OF SPANISH ORIGIN MAY BE OF ANY RACE.

TABLE 219. (B) DETAILED OCCUPATION OF EMPLOYED PERSONS BY SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

[DATA ARE ESTIMATES BASED ON A SAMPLE; SEE INTRODUCTION. FOR MEANING OF SYMBOLS, SEE INTRODUCTION. FOR DEFINITIONS OF TERMS, SEE APPENDIXES A AND B]

GRAND RAPIDS, MI SMSA	SMSA											
	TOTAL		WHITE		BLACK		AMERICAN INDIAN, ESKIMO AND ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS-CON. INDUSTRY-CON.												
FABRICATED METAL INDUSTRIES	445	155	374	138	31	11	18	-	10	6	12	6
MACHINERY, EXCEPT ELECTRICAL	445	117	414	99	18	18	8	-	5	-	23	-
ELECTRICAL MACHINERY, EQUIPMENT, AND SUPPLIES	98	73	98	73	-	-	-	-	-	-	10	-
TRANSPORTATION EQUIPMENT	426	269	391	235	23	30	-	-	5	-	13	4
MOTOR VEHICLES AND MOTOR VEHICLE EQUIPMENT	373	237	338	203	23	30	-	-	5	-	13	4
OTHER TRANSPORTATION EQUIPMENT	53	32	53	32	-	-	-	-	-	-	-	-
PROFESSIONAL AND PHOTOGRAPHIC EQUIPMENT, AND WATCHES	84	77	69	71	-	6	-	-	7	-	8	-
MISCELLANEOUS MANUFACTURING INDUSTRIES	86	63	83	53	3	10	-	-	-	-	-	-
NOT SPECIFIED MANUFACTURING INDUSTRIES	36	29	29	29	-	-	-	-	7	-	-	-
NONMANUFACTURING INDUSTRIES	298	189	262	170	14	19	9	-	-	-	13	-
CONSTRUCTION	21	-	21	-	-	-	-	-	-	-	-	-
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	38	4	38	4	-	-	-	-	-	-	-	-
WHOLESALE TRADE	85	58	72	58	-	-	-	-	-	-	13	-
RETAIL TRADE	29	30	21	30	8	-	-	-	-	-	-	-
BUSINESS AND REPAIR SERVICES	54	19	45	19	-	-	9	-	-	-	-	-
PUBLIC ADMINISTRATION	35	-	35	-	-	-	-	-	-	-	-	-
ALL OTHER INDUSTRIES	36	78	30	59	6	19	-	-	-	-	-	-
FABRICATORS, ASSEMBLERS, AND HAND WORKING OCCUPATIONS	6 313	4 227	5 543	3 549	497	518	41	48	67	71	257	134
WELDERS AND CUTTERS	2 126	280	1 895	241	168	33	13	6	20	-	52	-
SOLDERERS AND BRAZERS	35	75	35	49	-	21	-	5	-	-	-	6
ASSEMBLERS	3 942	3 807	3 417	3 201	320	457	28	37	47	71	187	128
HAND CUTTING AND TRIMMING OCCUPATIONS	45	-	45	-	-	-	-	-	-	-	-	-
HAND MOLDING, CASTING, AND FORMING OCCUPATIONS	27	-	27	-	-	-	-	-	-	-	6	-
HAND PAINTING, COATING AND DECORATING OCCUPATIONS	92	29	87	29	-	-	-	-	-	-	12	-
HAND ENGRAVING AND PRINTING OCCUPATIONS	6	-	6	-	-	-	-	-	-	-	-	-
HAND GRINDING AND POLISHING OCCUPATIONS	18	15	18	8	-	7	-	-	-	-	-	-
MISCELLANEOUS HAND WORKING OCCUPATIONS	22	21	13	21	9	-	-	-	-	-	-	-
PRODUCTION INSPECTORS, TESTERS, SAMPLERS, AND WEIGHERS	1 856	1 798	1 731	1 529	94	169	7	26	5	20	50	141
PRODUCTION INSPECTORS, CHECKERS, AND EXAMINERS	1 600	1 466	1 484	1 255	85	139	7	18	5	20	50	92
PRODUCTION TESTERS	72	51	63	30	9	13	-	8	-	-	-	-
PRODUCTION SAMPLERS AND WEIGHERS	40	18	40	18	-	-	-	-	-	-	-	-
GRADERS AND SORTERS, EXCEPT AGRICULTURAL	144	263	144	226	-	17	-	-	-	-	-	49
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	11 060	1 249	10 424	1 161	418	79	34	5	24	-	268	22
MOTOR VEHICLE OPERATORS	6 976	1 069	6 730	1 001	179	59	18	5	4	-	133	10
SUPERVISORS, MOTOR VEHICLE OPERATORS	81	-	81	-	-	-	-	-	-	-	-	-
TRUCK DRIVERS, HEAVY	4 485	57	4 315	52	124	-	6	5	4	-	80	-
TRUCK DRIVERS, LIGHT	1 483	105	1 431	105	31	-	12	-	-	-	23	-
DRIVER-SALES WORKERS	437	70	437	70	-	-	-	-	-	-	-	-
BUS DRIVERS	272	759	258	700	14	59	-	-	-	-	9	6
TAXICAB DRIVERS AND CHAUFFEURS	122	44	122	44	-	-	-	-	-	-	-	-
PARKING LOT ATTENDANTS	96	34	86	30	10	-	-	-	-	-	21	4
MOTOR TRANSPORTATION OCCUPATIONS, N.E.C.	-	-	-	-	-	-	-	-	-	-	-	-
RAIL TRANSPORTATION OCCUPATIONS	610	-	545	-	14	-	8	-	-	-	43	-
RAILROAD CONDUCTORS AND YARDMASTERS	172	-	142	-	-	-	8	-	-	-	22	-
LOCOMOTIVE OPERATING OCCUPATIONS	146	-	133	-	-	-	-	-	-	-	13	-
RAILROAD BRAKE, SIGNAL, AND SWITCH OPERATORS	273	-	251	-	14	-	-	-	-	-	8	-
RAIL VEHICLE OPERATORS, N.E.C.	19	-	19	-	-	-	-	-	-	-	-	-
WATER TRANSPORTATION OCCUPATIONS	23	-	23	-	-	-	-	-	-	-	-	-
SHIP CAPTAINS AND MATES, EXCEPT FISHING BOATS	7	-	7	-	-	-	-	-	-	-	-	-
SAILORS AND DECKHANDS	5	-	5	-	-	-	-	-	-	-	-	-
MARINE ENGINEERS	-	-	-	-	-	-	-	-	-	-	-	-
BRIDGE, LOCK, AND LIGHTHOUSE TENDERS	11	-	11	-	-	-	-	-	-	-	-	-
MATERIAL MOVING EQUIPMENT OPERATORS	3 451	180	3 126	160	225	20	8	-	20	-	92	12
SUPERVISORS, MATERIAL MOVING EQUIPMENT OPERATORS	75	-	75	-	-	-	-	-	-	-	-	-
OPERATING ENGINEERS	317	-	311	-	6	-	-	-	-	-	-	-
LONGSHORE EQUIPMENT OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-
HOIST AND WINCH OPERATORS	54	-	54	-	-	-	-	-	-	-	-	-
CRANE AND TOWER OPERATORS	331	-	289	-	28	-	-	-	6	-	14	-
EXCAVATING AND LOADING MACHINE OPERATORS	117	-	117	-	-	-	-	-	-	-	-	-
GRADER, DOZER, AND SCRAPER OPERATORS	138	-	133	-	5	-	-	-	-	-	-	-
INDUSTRIAL TRUCK AND TRACTOR EQUIPMENT OPERATORS	1 938	93	1 742	88	122	5	8	-	14	-	64	-
MISCELLANEOUS MATERIAL MOVING EQUIPMENT OPERATORS	481	87	405	72	64	15	-	-	-	-	14	12

(1) PERSONS OF SPANISH ORIGIN MAY BE OF ANY RACE.

TABLE 219. (B) DETAILED OCCUPATION OF EMPLOYED PERSONS BY SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

[DATA ARE ESTIMATES BASED ON A SAMPLE; SEE INTRODUCTION. FOR MEANING OF SYMBOLS, SEE INTRODUCTION. FOR DEFINITIONS OF TERMS, SEE APPENDIXES A AND B]

GRAND RAPIDS, MI SMSA

	SMSA											
	TOTAL		WHITE		BLACK		AMERICAN INDIAN, ESKIMO AND ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS.	8 787	3 705	8 069	3 422	402	155	75	26	59	27	279	189
SUPERVISORS; HANDLERS, EQUIPMENT CLEANERS, AND LABORERS, N.E.C.. . . .	-	-	-	-	-	-	-	-	-	-	-	-
HELPERS, MECHANICS AND REPAIRERS . . .	36	6	36	6	-	-	-	-	-	-	-	-
HELPERS, CONSTRUCTION AND EXTRACTIVE OCCUPATIONS.	275	13	241	13	5	-	-	-	-	-	29	-
HELPERS, CONSTRUCTION TRADES.	251	2	222	2	-	-	-	-	-	-	29	-
HELPERS, SURVEYOR	15	11	10	11	5	-	-	-	-	-	-	-
HELPERS, EXTRACTIVE OCCUPATIONS . . .	9	-	9	-	-	-	-	-	-	-	-	-
CONSTRUCTION LABORERS.	1 042	20	928	20	86	-	9	-	-	-	34	-
PRODUCTION HELPERS	151	100	141	85	4	15	-	-	6	-	-	-
FREIGHT, STOCK, AND MATERIAL HANDLERS.	3 307	874	3 110	818	80	35	33	-	27	7	76	20
GARBAGE COLLECTORS.	41	-	33	-	2	-	-	-	-	-	6	-
STEVEDORES.	-	-	-	-	-	-	-	-	-	-	-	-
STOCK HANDLERS AND BAGGERS.	1 806	497	1 720	487	34	4	10	-	14	-	28	12
MACHINE FEEDERS AND OFFBEARERS. . . .	198	292	158	257	14	20	10	-	-	7	22	8
FREIGHT, STOCK, AND MATERIAL HANDLERS, N.E.C.	1 262	85	1 199	74	30	11	13	-	13	-	20	-
GARAGE AND SERVICE STATION RELATED OCCUPATIONS	644	65	624	65	20	-	-	-	-	-	-	-
VEHICLE WASHERS AND EQUIPMENT CLEANERS.	543	35	493	35	37	-	-	-	13	-	-	-
HAND PACKERS AND PACKAGERS	803	1 873	709	1 712	57	72	11	19	5	13	56	135
LABORERS, EXCEPT CONSTRUCTION.	1 986	719	1 787	668	113	33	22	7	8	7	84	34
MANUFACTURING	936	446	826	408	51	27	13	2	8	7	66	32
NONDURABLE GOODS	277	215	234	202	7	11	11	-	-	-	40	16
FOOD AND KINDRED PRODUCTS	99	62	74	56	-	4	-	-	-	-	29	16
TEXTILE MILL AND FINISHED TEXTILE PRODUCTS	23	6	12	6	-	-	11	-	-	-	11	-
PAPER AND ALLIED PRODUCTS	15	-	15	-	-	-	-	-	-	-	-	-
CHEMICALS AND ALLIED PRODUCTS . . .	87	89	80	89	7	-	-	-	-	-	-	-
RUBBER AND MISCELLANEOUS PLASTICS PRODUCTS.	16	25	16	18	-	7	-	-	-	-	-	-
OTHER NONDURABLE GOODS.	37	33	37	33	-	-	-	-	-	-	-	-
DURABLE GOODS.	652	213	585	188	44	16	2	2	8	7	19	16
FURNITURE, LUMBER, AND WOOD PRODUCTS	236	47	207	40	13	-	-	-	8	7	8	-
STONE, CLAY, GLASS, AND CONCRETE PRODUCTS	43	-	43	-	-	-	-	-	-	-	-	-
PRIMARY METAL INDUSTRIES.	31	5	29	5	-	-	2	-	-	-	-	-
FABRICATED METAL INDUSTRIES	129	69	118	63	11	6	-	-	-	-	-	-
MACHINERY, EXCEPT ELECTRICAL. . . .	49	7	44	7	-	-	-	-	-	-	5	7
ELECTRICAL MACHINERY, EQUIPMENT, AND SUPPLIES	31	7	26	5	5	-	-	2	-	-	-	-
TRANSPORTATION EQUIPMENT.	86	36	71	36	15	-	-	-	-	-	-	9
MOTOR VEHICLES AND MOTOR VEHICLE EQUIPMENT	72	28	65	28	7	-	-	-	-	-	-	9
OTHER DURABLE GOODS	47	42	47	32	-	10	-	-	-	-	6	-
NOT SPECIFIED MANUFACTURING INDUSTRIES.	7	18	7	18	-	-	-	-	-	-	7	-
NONMANUFACTURING INDUSTRIES	1 050	273	961	260	62	6	9	5	-	-	18	2
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES.	159	25	137	25	22	-	-	-	-	-	-	-
WHOLESALE TRADE.	422	51	402	44	7	-	9	5	-	-	4	2
RETAIL TRADE	232	123	202	117	22	6	-	-	-	-	8	-
BUSINESS AND REPAIR SERVICES	48	6	42	6	-	-	-	-	-	-	6	-
PUBLIC ADMINISTRATION.	21	11	21	11	-	-	-	-	-	-	-	-
ALL OTHER INDUSTRIES	168	57	157	57	11	-	-	-	-	-	-	-

(1) PERSONS OF SPANISH ORIGIN MAY BE OF ANY RACE.

TABLE 219. (B) DETAILED OCCUPATION OF EMPLOYED PERSONS BY SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

[DATA ARE ESTIMATES BASED ON A SAMPLE; SEE INTRODUCTION. FOR MEANING OF SYMBOLS, SEE INTRODUCTION. FOR DEFINITIONS OF TERMS, SEE APPENDIXES A AND B]

KALAMAZOO-PORTAGE, MI SMSA

	SMSA											
	TOTAL		WHITE		BLACK		AMERICAN INDIAN, ESKIMO AND ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
EMPLOYED PERSONS 16 YEARS AND OVER	69 781	54 428	65 688	50 443	3 182	3 354	245	210	284	263	828	473
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS	16 826	12 027	16 262	11 279	417	549	24	56	114	113	114	88
EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS	8 656	3 379	8 451	3 198	164	143	15	17	17	14	54	30
LEGISLATORS, CHIEF EXECUTIVES AND GENERAL ADMINISTRATORS; PUBLIC ADMINISTRATION	67	25	58	14	9	5	-	6	-	-	-	-
ADMINISTRATORS AND OFFICIALS, PUBLIC ADMINISTRATION	130	76	130	62	-	14	-	-	-	-	-	-
FEDERAL	22	-	22	-	-	-	-	-	-	-	-	-
STATE	13	14	13	6	-	8	-	-	-	-	-	-
LOCAL	95	62	95	56	-	6	-	-	-	-	-	-
ADMINISTRATORS, PROTECTIVE SERVICES	55	-	55	-	-	-	-	-	-	-	-	-
FINANCIAL MANAGERS	330	166	330	164	-	2	-	-	-	-	-	-
PERSONNEL AND LABOR RELATIONS MANAGERS	233	70	212	70	21	-	-	-	-	-	4	-
PURCHASING MANAGERS	72	16	72	16	-	-	-	-	-	-	-	-
MANAGERS, MARKETING, ADVERTISING, AND PUBLIC RELATIONS	840	119	829	119	11	-	-	-	-	-	-	-
ADMINISTRATORS, EDUCATION AND RELATED FIELDS	524	304	486	264	38	40	-	-	-	-	2	7
MANAGERS, MEDICINE AND HEALTH	99	42	99	36	-	-	-	-	-	4	-	2
MANAGERS, PROPERTIES AND REAL ESTATE	99	77	99	77	-	-	-	-	-	-	-	-
POSTMASTERS AND MAIL SUPERINTENDENTS	35	10	35	10	-	-	-	-	-	-	-	-
FUNERAL DIRECTORS	45	6	45	6	-	-	-	-	-	-	-	-
MANAGERS AND ADMINISTRATORS, N.E.C., SALARIED	3 877	1 176	3 764	1 136	80	24	7	11	17	5	20	17
CONSTRUCTION	172	10	172	10	-	-	-	-	-	-	-	-
MANUFACTURING	1 586	89	1 561	89	14	-	-	-	11	-	7	-
NONDURABLE GOODS	924	54	918	54	-	-	-	-	6	-	7	-
DURABLE GOODS	662	35	643	35	14	-	-	-	5	-	-	-
TRANSPORTATION	112	2	112	2	-	-	-	-	-	-	-	-
COMMUNICATIONS, UTILITIES AND SANITARY SERVICES	28	11	28	11	-	-	-	-	-	-	-	-
WHOLESALE TRADE	267	48	267	48	-	-	-	-	-	-	-	-
RETAIL TRADE	737	402	705	402	25	-	7	-	-	-	2	15
GENERAL MERCHANDISE STORES	74	43	67	43	7	-	-	-	-	-	-	-
FOOD, BAKERY, AND DAIRY STORES	74	13	74	13	-	-	-	-	-	-	2	-
AUTOMOTIVE DEALERS AND GASOLINE STATIONS	114	15	114	15	-	-	-	-	-	-	-	-
EATING AND DRINKING PLACES	283	226	258	226	18	-	7	-	-	-	-	15
OTHER RETAIL TRADE	192	105	192	105	-	-	-	-	-	-	-	-
FINANCE, INSURANCE, AND REAL ESTATE	184	85	184	85	-	-	-	-	-	-	2	-
BUSINESS AND REPAIR SERVICES	157	49	157	49	-	-	-	-	-	-	-	-
PERSONAL SERVICES	117	96	109	93	8	3	-	-	-	-	-	-
ALL OTHER INDUSTRIES	517	384	469	347	33	21	-	11	6	5	9	2
MANAGERS AND ADMINISTRATORS, N.E.C., SELF-EMPLOYED	386	175	383	169	3	6	-	-	-	-	-	-
CONSTRUCTION	44	1	44	1	-	-	-	-	-	-	-	-
MANUFACTURING	30	13	30	13	-	-	-	-	-	-	-	-
NONDURABLE GOODS	7	13	7	13	-	-	-	-	-	-	-	-
DURABLE GOODS	23	-	23	-	-	-	-	-	-	-	-	-
TRANSPORTATION	18	-	18	-	-	-	-	-	-	-	-	-
COMMUNICATIONS, UTILITIES AND SANITARY SERVICES	-	-	-	-	-	-	-	-	-	-	-	-
WHOLESALE TRADE	38	6	38	6	-	-	-	-	-	-	-	-
RETAIL TRADE	150	101	150	95	-	6	-	-	-	-	-	-
GENERAL MERCHANDISE STORES	4	-	4	-	-	-	-	-	-	-	-	-
FOOD, BAKERY, AND DAIRY STORES	21	4	21	4	-	-	-	-	-	-	-	-
AUTOMOTIVE DEALERS AND GASOLINE STATIONS	8	-	8	-	-	-	-	-	-	-	-	-
EATING AND DRINKING PLACES	80	74	80	68	-	6	-	-	-	-	-	-
OTHER RETAIL TRADE	37	23	37	23	-	-	-	-	-	-	-	-
FINANCE, INSURANCE, AND REAL ESTATE	16	6	16	6	-	-	-	-	-	-	-	-
BUSINESS AND REPAIR SERVICES	33	13	33	13	-	-	-	-	-	-	-	-
PERSONAL SERVICES	24	9	21	9	3	-	-	-	-	-	-	-
ALL OTHER INDUSTRIES	33	26	33	26	-	-	-	-	-	-	-	-
MANAGEMENT RELATED OCCUPATIONS	1 864	1 117	1 854	1 055	2	52	8	-	-	5	28	4
ACCOUNTANTS AND AUDITORS	793	503	793	477	-	16	-	-	-	5	-	2
UNDERWRITERS	-	4	-	4	-	-	-	-	-	-	-	-
OTHER FINANCIAL OFFICERS	318	167	318	157	-	10	-	-	-	-	-	-
MANAGEMENT ANALYSTS	67	40	67	40	-	-	-	-	-	-	-	-
PERSONNEL, TRAINING, AND LABOR RELATIONS SPECIALISTS	330	189	328	181	2	8	-	-	-	-	22	2
PURCHASING AGENTS AND BUYERS, FARM PRODUCTS	-	-	-	-	-	-	-	-	-	-	-	-
BUYERS, WHOLESALE AND RETAIL TRADE EXCEPT FARM PRODUCTS	84	104	84	104	-	-	-	-	-	-	6	-
PURCHASING AGENTS AND BUYERS, N.E.C.	159	55	151	44	-	11	8	-	-	-	-	-
BUSINESS AND PROMOTION AGENTS	-	-	-	-	-	-	-	-	-	-	-	-
CONSTRUCTION INSPECTORS	33	7	33	7	-	-	-	-	-	-	-	-
INSPECTORS AND COMPLIANCE OFFICERS, EXC. CONSTRUCTION	70	24	70	24	-	-	-	-	-	-	-	-
MANAGEMENT RELATED OCCUPATIONS, N.E.C.	10	24	10	17	-	7	-	-	-	-	-	-
PROFESSIONAL SPECIALTY OCCUPATIONS	8 170	8 648	7 811	8 081	253	406	9	39	97	99	60	58
ENGINEERS, ARCHITECTS, AND SURVEYORS	1 195	39	1 176	39	13	-	-	-	6	-	-	-
ARCHITECTS	85	4	85	4	-	-	-	-	-	-	-	-
ENGINEERS	1 094	35	1 075	35	13	-	-	-	6	-	-	-
AEROSPACE	31	-	31	-	-	-	-	-	-	-	-	-
METALLURGICAL AND MATERIALS	6	-	6	-	-	-	-	-	-	-	-	-
MINING	7	-	7	-	-	-	-	-	-	-	-	-
PETROLEUM	-	-	-	-	-	-	-	-	-	-	-	-
CHEMICAL	96	-	90	-	-	-	-	-	6	-	-	-
NUCLEAR	5	-	5	-	-	-	-	-	-	-	-	-
CIVIL	126	-	126	-	-	-	-	-	-	-	-	-
AGRICULTURAL	-	-	-	-	-	-	-	-	-	-	-	-
ELECTRICAL AND ELECTRONIC	154	5	145	5	9	-	-	-	-	-	-	-
INDUSTRIAL	201	25	201	25	-	-	-	-	-	-	-	-
MECHANICAL	258	-	254	-	4	-	-	-	-	-	-	-
MARINE AND NAVAL ARCHITECTS	14	-	14	-	-	-	-	-	-	-	-	-
ENGINEERS, N.E.C.	196	5	196	5	-	-	-	-	-	-	-	-
SURVEYORS AND MAPPING SCIENTISTS	16	-	16	-	-	-	-	-	-	-	-	-

(1) PERSONS OF SPANISH ORIGIN MAY BE OF ANY RACE.

TABLE 219. (B) DETAILED OCCUPATION OF EMPLOYED PERSONS BY SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

[DATA ARE ESTIMATES BASED ON A SAMPLE; SEE INTRODUCTION. FOR MEANING OF SYMBOLS, SEE INTRODUCTION. FOR DEFINITIONS OF TERMS, SEE APPENDIXES A AND B]

KALAMAZOO-PORTAGE, MI SMSA

	SMSA											
	TOTAL		WHITE		BLACK		AMERICAN INDIAN, ESKIMO AND ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
MATHEMATICAL AND COMPUTER SCIENTISTS	185	16	176	16	9	-	-	-	-	-	-	-
COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS	133	10	129	10	4	-	-	-	-	-	-	-
OPERATIONS AND SYSTEMS RESEARCHERS AND ANALYSTS	26	2	26	2	-	-	-	-	-	-	-	-
ACTUARIES	8	-	8	-	-	-	-	-	-	-	-	-
STATISTICIANS	18	4	13	4	5	-	-	-	-	-	-	-
MATHEMATICAL SCIENTISTS, N.E.C.	-	-	-	-	-	-	-	-	-	-	-	-
NATURAL SCIENTISTS	429	202	416	185	-	14	-	-	13	-	2	3
PHYSICISTS AND ASTRONOMERS	-	-	-	-	-	-	-	-	-	-	-	-
CHEMISTS, EXCEPT BIOCHEMISTS	231	97	224	89	-	8	-	-	7	-	-	-
ATMOSPHERIC AND SPACE SCIENTISTS	-	7	-	7	-	-	-	-	-	-	-	-
GEOLOGISTS AND GEODESISTS	31	-	31	-	-	-	-	-	-	-	-	-
PHYSICAL SCIENTISTS, N.E.C.	-	-	-	-	-	-	-	-	-	-	-	-
AGRICULTURAL AND FOOD SCIENTISTS	27	18	27	15	-	-	-	-	-	-	-	3
BIOLOGICAL AND LIFE SCIENTISTS	63	45	63	39	-	6	-	-	-	-	-	-
FORESTRY AND CONSERVATION SCIENTISTS	35	-	35	-	-	-	-	-	-	-	-	-
MEDICAL SCIENTISTS	42	35	36	35	-	-	-	-	6	-	2	-
HEALTH DIAGNOSING OCCUPATIONS	732	68	691	55	14	7	-	-	27	6	17	-
PHYSICIANS	495	56	461	43	7	7	-	-	27	6	17	-
DENTISTS	160	-	153	-	7	-	-	-	-	-	-	-
VETERINARIANS	29	12	29	12	-	-	-	-	-	-	-	-
OPTOMETRISTS	23	-	23	-	-	-	-	-	-	-	-	-
PODIATRISTS	13	-	13	-	-	-	-	-	-	-	-	-
HEALTH DIAGNOSING PRACTITIONERS, N.E.C.	12	-	12	-	-	-	-	-	-	-	-	-
HEALTH ASSESSMENT AND TREATING OCCUPATIONS	371	2 287	366	2 130	-	101	-	2	5	48	-	29
REGISTERED NURSES	103	1 778	98	1 657	-	70	-	2	5	43	-	29
PHARMACISTS	174	85	174	85	-	-	-	-	-	-	-	-
DIETITIANS	13	69	13	69	-	-	-	-	-	-	-	-
THERAPISTS	68	341	68	305	-	31	-	-	-	5	-	-
INHALATION THERAPISTS	24	88	24	71	-	17	-	-	-	-	-	-
OCCUPATIONAL THERAPISTS	-	82	-	74	-	8	-	-	-	-	-	-
PHYSICAL THERAPISTS	4	27	4	27	-	-	-	-	-	-	-	-
SPEECH THERAPISTS	-	68	-	68	-	-	-	-	-	-	-	-
THERAPISTS, N.E.C.	40	76	40	65	-	6	-	-	-	5	-	-
PHYSICIANS' ASSISTANTS	13	14	13	14	-	-	-	-	-	-	-	-
TEACHERS, POSTSECONDARY	1 044	632	988	614	24	-	9	12	23	6	4	5
BIOLOGICAL SCIENCE TEACHERS	13	-	13	-	-	-	-	-	-	-	-	-
CHEMISTRY TEACHERS	5	-	5	-	-	-	-	-	-	-	-	-
PHYSICS TEACHERS	25	-	25	-	-	-	-	-	-	-	-	-
OTHER NATURAL SCIENCE TEACHERS	16	6	16	6	-	-	-	-	-	-	-	-
PSYCHOLOGY TEACHERS	13	-	6	-	-	-	7	-	-	-	-	-
ECONOMICS TEACHERS	26	6	26	6	-	-	-	-	-	-	-	-
HISTORY TEACHERS	7	19	7	19	-	-	-	-	-	-	-	-
OTHER SOCIAL SCIENCE TEACHERS	27	7	20	7	7	-	-	-	-	-	-	-
ENGINEERING TEACHERS	17	-	17	-	-	-	-	-	-	-	-	-
MATHEMATICAL AND COMPUTER SCIENCE TEACHERS	29	-	29	-	-	-	-	-	-	-	4	-
MEDICAL SCIENCE TEACHERS	-	-	-	-	-	-	-	-	-	-	-	-
HEALTH SPECIALTIES TEACHERS	12	45	12	45	-	-	-	-	-	-	-	-
BUSINESS, COMMERCE, AND MARKETING TEACHERS	11	8	11	8	-	-	-	-	-	-	-	-
ART, DRAMA, AND MUSIC TEACHERS	37	67	37	67	-	-	-	-	-	-	-	-
ENGLISH TEACHERS	26	29	26	29	-	-	-	-	-	-	-	-
FOREIGN LANGUAGE TEACHERS	18	13	18	13	-	-	-	-	-	-	-	5
OTHER SPECIFIED TEACHERS	13	17	13	17	-	-	-	-	-	-	-	-
POSTSECONDARY TEACHERS, SUBJECT NOT SPECIFIED	749	415	707	397	17	-	2	12	23	6	-	-
TEACHERS, EXCEPT POSTSECONDARY	1 794	3 448	1 685	3 200	94	196	-	25	15	27	13	9
TEACHERS, PREKINDERGARTEN AND KINDERGARTEN	13	186	13	172	-	14	-	-	-	-	-	-
TEACHERS, ELEMENTARY SCHOOL	986	2 352	918	2 146	56	154	-	25	12	27	-	9
TEACHERS, SECONDARY SCHOOL	648	524	613	504	33	20	-	-	2	-	13	-
TEACHERS, SPECIAL EDUCATION	20	13	20	13	-	-	-	-	-	-	-	-
TEACHERS, N.E.C.	127	373	121	365	5	8	-	-	1	-	-	-
COUNSELORS, EDUCATIONAL AND VOCATIONAL	167	265	142	253	25	4	-	-	-	-	2	-
LIBRARIANS, ARCHIVISTS, AND CURATORS	98	274	98	264	-	10	-	-	-	-	-	-
LIBRARIANS	98	260	98	250	-	10	-	-	-	-	-	-
ARCHIVISTS AND CURATORS	-	14	-	14	-	-	-	-	-	-	-	-
SOCIAL SCIENTISTS AND URBAN PLANNERS	212	94	205	88	7	-	-	-	-	6	-	-
ECONOMISTS	91	20	91	20	-	-	-	-	-	-	-	-
PSYCHOLOGISTS	99	67	92	61	7	-	-	-	-	6	-	-
SOCIOLOGISTS	11	7	11	7	-	-	-	-	-	-	-	-
SOCIAL SCIENTISTS, N.E.C.	2	-	2	-	-	-	-	-	-	-	-	-
URBAN PLANNERS	9	-	9	-	-	-	-	-	-	-	-	-
SOCIAL, RECREATION, AND RELIGIOUS WORKERS	756	606	728	542	28	58	-	-	-	6	10	6
SOCIAL WORKERS	309	527	287	463	22	58	-	-	-	6	10	6
RECREATION WORKERS	8	29	8	29	-	-	-	-	-	-	-	-
CLERGY	422	15	416	15	6	-	-	-	-	-	-	-
RELIGIOUS WORKERS, N.E.C.	17	35	17	35	-	-	-	-	-	-	-	-
LAWYERS AND JUDGES	501	35	484	35	17	-	-	-	-	-	-	-
LAWYERS	448	35	436	35	12	-	-	-	-	-	-	-
JUDGES	53	-	48	-	5	-	-	-	-	-	-	-
WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES	686	682	656	660	22	16	-	-	8	-	12	6
AUTHORS	10	19	10	19	-	-	-	-	-	-	-	-
TECHNICAL WRITERS	21	23	21	23	-	-	-	-	-	-	-	-
DESIGNERS	207	173	207	167	-	-	-	-	-	-	-	6
MUSICIANS AND COMPOSERS	65	95	65	95	-	-	-	-	-	-	4	-
ACTORS AND DIRECTORS	41	19	33	19	8	-	-	-	-	-	-	-
PAINTERS, SCULPTORS, CRAFT-ARTISTS, AND ARTIST PRINTMAKERS	70	102	70	102	-	-	-	-	-	-	-	-
PHOTOGRAPHERS	88	37	80	30	-	7	-	-	8	-	-	-
DANCERS	-	-	-	-	-	-	-	-	-	-	-	-
ARTISTS, PERFORMERS AND RELATED WORKERS, N.E.C.	10	31	10	26	-	5	-	-	-	-	-	-
EDITORS AND REPORTERS	29	89	29	89	-	-	-	-	-	-	2	-
PUBLIC RELATIONS SPECIALISTS	28	59	28	59	-	-	-	-	-	-	-	-
ANNOUNCERS	56	7	48	7	8	-	-	-	-	-	6	-
ATHLETES	61	28	55	24	6	4	-	-	-	-	-	-

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KALAMAZOO-PORTAGE, MI SMSA

	SMSA											
	TOTAL		WHITE		BLACK		AMERICAN INDIAN, ESKIMO AND ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS	12 558	23 612	11 981	22 267	425	1 144	57	85	70	67	89	154
TECHNICIANS AND RELATED SUPPORT OCCUPATIONS	2 220	2 131	2 094	1 930	70	167	9	23	29	8	32	29
HEALTH TECHNOLOGISTS AND TECHNICIANS	314	1 399	302	1 267	-	110	-	11	4	8	14	29
CLINICAL LABORATORY TECHNOLOGISTS AND TECHNICIANS	106	322	102	292	-	28	-	-	4	2	6	7
DENTAL HYGIENISTS	-	153	-	137	-	16	-	-	-	-	-	-
HEALTH RECORD TECHNOLOGISTS AND TECHNICIANS	-	13	-	13	-	-	-	-	-	-	-	-
RADIOLOGIC TECHNICIANS	56	85	48	76	-	9	-	-	-	-	8	-
LICENSED PRACTICAL NURSES	50	660	50	595	-	51	-	11	-	-	-	22
HEALTH TECHNOLOGISTS AND TECHNICIANS, N.E.C.	102	166	102	154	-	6	-	-	-	6	-	-
ENGINEERING AND RELATED TECHNOLOGISTS AND TECHNICIANS	745	194	720	178	21	9	-	7	4	-	7	-
ELECTRICAL AND ELECTRONIC TECHNICIANS	101	22	95	22	6	-	-	-	-	-	-	-
INDUSTRIAL ENGINEERING TECHNICIANS	34	-	34	-	-	-	-	-	-	-	-	-
MECHANICAL ENGINEERING TECHNICIANS	13	-	13	-	-	-	-	-	-	-	-	-
ENGINEERING TECHNICIANS, N.E.C.	204	122	191	106	13	9	-	7	-	-	-	-
DRAFTING OCCUPATIONS	361	50	355	50	2	-	-	-	4	-	7	-
SURVEYING AND MAPPING TECHNICIANS	32	-	32	-	-	-	-	-	-	-	-	-
SCIENCE TECHNICIANS	509	219	457	199	31	20	7	-	14	-	-	-
BIOLOGICAL TECHNICIANS	303	137	269	125	20	12	7	-	7	-	-	-
CHEMICAL TECHNICIANS	125	34	114	26	4	8	-	-	7	-	-	-
SCIENCE TECHNICIANS, N.E.C.	81	48	74	48	7	-	-	-	-	-	-	-
TECHNICIANS, EXCEPT HEALTH, ENGINEERING, AND SCIENCE	652	319	615	286	18	28	2	5	7	-	11	-
AIRPLANE PILOTS AND NAVIGATORS	59	-	59	-	-	-	-	-	-	-	-	-
AIR TRAFFIC CONTROLLERS	42	-	30	-	5	-	-	-	-	-	-	-
BROADCAST EQUIPMENT OPERATORS	24	25	18	19	6	6	-	-	-	-	-	-
COMPUTER PROGRAMMERS	181	131	176	127	-	4	-	-	2	-	3	-
TOOL PROGRAMMERS, NUMERICAL CONTROL	8	-	8	-	-	-	-	-	-	-	-	-
LEGAL ASSISTANTS	20	45	20	34	-	11	-	-	-	-	-	-
TECHNICIANS, N.E.C.	318	118	304	106	7	7	2	5	5	-	8	-
SALES OCCUPATIONS	6 361	6 134	6 205	5 916	122	182	32	18	2	9	21	48
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS, SALARIED	942	415	925	415	17	-	-	-	-	-	-	-
MANUFACTURING	53	6	53	6	-	-	-	-	-	-	-	-
WHOLESALE TRADE	97	11	97	11	-	-	-	-	-	-	-	-
RETAIL TRADE	710	392	704	392	6	-	-	-	-	-	-	-
ALL OTHER INDUSTRIES	82	6	71	6	11	-	-	-	-	-	-	-
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS, SELF-EMPLOYED	311	104	306	104	-	-	5	-	-	-	5	-
MANUFACTURING	-	-	-	-	-	-	-	-	-	-	-	-
WHOLESALE TRADE	26	7	26	7	-	-	-	-	-	-	5	-
RETAIL TRADE	273	95	268	95	-	-	5	-	-	-	-	-
ALL OTHER INDUSTRIES	12	2	12	2	-	-	-	-	-	-	-	-
SALES REPRESENTATIVES, FINANCE AND BUSINESS SERVICES	1 343	648	1 319	646	24	2	-	-	-	-	-	6
INSURANCE SALES OCCUPATIONS	429	117	418	117	11	-	-	-	-	-	-	-
REAL ESTATE SALES OCCUPATIONS	479	303	471	303	8	-	-	-	-	-	-	-
SECURITIES AND FINANCIAL SERVICES SALES OCCUPATIONS	60	32	60	32	-	-	-	-	-	-	-	-
ADVERTISING AND RELATED SALES OCCUPATIONS	141	42	136	42	5	-	-	-	-	-	-	-
SALES OCCUPATIONS, OTHER BUSINESS SERVICES	234	154	234	152	-	2	-	-	-	-	-	6
SALES REPRESENTATIVES, COMMODITIES, EXCEPT RETAIL	1 401	309	1 372	293	12	16	15	-	2	-	4	-
SALES ENGINEERS	74	-	72	-	-	-	-	-	2	-	-	-
SALES REPRESENTATIVES, MINING, MANUFACTURING, AND WHOLESALE	1 327	309	1 300	293	12	16	15	-	-	-	4	-
WHOLESALE TRADE	802	198	784	188	8	10	10	-	-	-	2	-
SALES WORKERS, RETAIL AND PERSONAL SERVICES	2 361	4 653	2 280	4 453	69	164	12	18	-	9	12	40
SALES WORKERS, MOTOR VEHICLES AND BOATS	341	33	336	33	5	-	-	-	-	-	-	-
SALES WORKERS, APPAREL	103	471	97	447	6	15	-	6	-	3	-	10
SALES WORKERS, SHOES	120	75	114	75	-	-	6	-	-	-	-	-
SALES WORKERS, FURNITURE AND HOME FURNISHINGS	159	125	159	125	-	-	-	-	-	-	-	-
SALES WORKERS, RADIO, TV, HI-FI, AND APPLIANCES	132	106	132	106	-	-	-	-	-	-	-	-
SALES WORKERS, HARDWARE AND BUILDING SUPPLIES	250	99	245	99	5	-	-	-	-	-	-	-
SALES WORKERS, PARTS	215	37	215	37	-	-	-	-	-	-	-	-
SALES WORKERS, OTHER COMMODITIES	529	1 324	509	1 261	20	60	-	-	-	-	6	11
RETAIL TRADE	456	1 292	436	1 229	20	60	-	-	-	-	6	11
PERSONAL, BUSINESS AND REPAIR SERVICES	-	-	-	-	-	-	-	-	-	-	-	-
ALL OTHER INDUSTRIES	73	32	73	32	-	-	-	-	-	-	-	-
SALES COUNTER CLERKS	35	164	28	164	7	-	-	-	-	-	-	-
CASHIERS	319	1 926	293	1 813	26	89	-	12	-	6	-	19
STREET AND DOOR-TO-DOOR SALES WORKERS	48	262	48	262	-	-	-	-	-	-	-	-
NEWS VENDORS	110	31	104	31	-	-	6	-	-	-	6	-
SALES RELATED OCCUPATIONS	3	5	3	5	-	-	-	-	-	-	-	2
DEMONSTRATORS, PROMOTERS AND MODELS, SALES	-	5	-	5	-	-	-	-	-	-	-	2
AUCTIONEERS	-	-	-	-	-	-	-	-	-	-	-	-
SALES SUPPORT OCCUPATIONS, N.E.C.	3	-	3	-	-	-	-	-	-	-	-	-
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL	3 977	15 347	3 682	14 421	233	795	16	44	39	50	36	77
SUPERVISORS, ADMINISTRATIVE SUPPORT OCCUPATIONS	540	441	499	410	35	24	6	-	-	7	-	4
SUPERVISORS, GENERAL OFFICE	260	308	247	292	7	16	6	-	-	-	-	4
SUPERVISORS, COMPUTER EQUIPMENT OPERATORS	7	7	7	7	-	-	-	-	-	-	-	-
SUPERVISORS, FINANCIAL RECORDS PROCESSING	56	69	51	62	5	-	-	-	-	7	-	-
CHIEF COMMUNICATIONS OPERATORS	66	23	66	23	-	-	-	-	-	-	-	-
SUPERVISORS; DISTRIBUTION, SCHEDULING, AND ADJUSTING CLERKS	151	34	128	26	23	8	-	-	-	-	-	-

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	TOTAL		WHITE		BLACK		AMERICAN INDIAN, ESKIMO AND ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
COMPUTER EQUIPMENT OPERATORS	195	228	187	213	8	15	-	-	-	-	-	-
COMPUTER OPERATORS	188	228	180	213	8	15	-	-	-	-	-	-
PERIPHERAL EQUIPMENT OPERATORS	7	-	7	-	-	-	-	-	-	-	-	-
SECRETARIES, STENOGRAPHERS, AND TYPISTS	71	5 765	71	5 488	-	214	-	27	-	36	5	9
SECRETARIES	31	5 058	31	4 865	-	138	-	19	-	36	5	9
STENOGRAPHERS	25	13	25	13	-	-	-	-	-	-	-	-
TYPISTS	15	694	15	610	-	76	-	8	-	-	-	-
INFORMATION CLERKS	222	1 199	181	1 106	29	72	-	3	12	-	5	19
INTERVIEWERS	29	92	20	78	9	14	-	-	-	-	-	-
HOTEL CLERKS	20	31	20	31	-	-	-	-	-	-	-	-
TRANSPORTATION TICKET AND RESERVATION AGENTS	10	20	10	14	-	-	-	-	-	-	-	-
RECEPTIONISTS	141	951	114	883	20	53	-	3	7	-	-	12
INFORMATION CLERKS, N.E.C.	22	105	17	100	-	5	-	-	5	-	5	7
RECORDS PROCESSING OCCUPATIONS, EXCEPT FINANCIAL	240	928	207	803	19	121	-	4	9	-	8	12
CLASSIFIED-AD CLERKS	-	2	-	2	-	-	-	-	-	-	-	-
CORRESPONDENCE CLERKS	5	8	5	8	-	-	-	-	-	-	-	-
ORDER CLERKS	88	283	83	224	5	59	-	-	-	-	8	4
PERSONNEL CLERKS, EXCEPT PAYROLL AND TIMEKEEPING	12	52	6	52	6	-	-	-	-	-	-	-
LIBRARY CLERKS	50	271	37	248	8	23	-	-	-	-	-	8
FILE CLERKS	65	244	65	217	-	23	-	4	-	-	-	-
RECORDS CLERKS	20	68	11	52	-	16	-	-	9	-	-	-
FINANCIAL RECORDS PROCESSING OCCUPATIONS	233	2 259	216	2 227	17	19	-	8	-	-	-	8
BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS	127	1 744	114	1 729	13	2	-	8	-	-	-	8
PAYROLL AND TIMEKEEPING CLERKS	11	183	11	179	-	4	-	-	-	-	-	-
BILLING CLERKS	37	221	37	221	-	-	-	-	-	-	-	-
COST AND RATE CLERKS	54	58	54	58	-	-	-	-	-	-	-	-
BILLING, POSTING, AND CALCULATING MACHINE OPERATORS	4	53	-	40	4	13	-	-	-	-	-	-
DUPLICATING, MAIL, AND OTHER OFFICE MACHINE OPERATORS	13	48	13	41	-	-	-	-	-	7	-	-
DUPLICATING MACHINE OPERATORS	4	25	4	18	-	-	-	-	-	7	-	-
MAIL PREPARING AND PAPER HANDLING MACHINE OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-
OFFICE MACHINE OPERATORS, N.E.C.	9	23	9	23	-	-	-	-	-	-	-	-
COMMUNICATIONS EQUIPMENT OPERATORS	12	241	12	223	-	18	-	-	-	-	-	-
TELEPHONE OPERATORS	12	241	12	223	-	18	-	-	-	-	-	-
TELEGRAPHERS	-	-	-	-	-	-	-	-	-	-	-	-
COMMUNICATIONS EQUIPMENT OPERATORS, N.E.C.	-	-	-	-	-	-	-	-	-	-	-	-
MAIL AND MESSAGE DISTRIBUTING OCCUPATIONS	595	444	584	425	9	19	-	-	-	-	11	-
POSTAL CLERKS, EXCEPT MAIL CARRIERS	239	184	234	179	5	5	-	-	-	-	7	-
MAIL CARRIERS, POSTAL SERVICE	206	92	204	87	-	5	-	-	-	-	2	-
MAIL CLERKS, EXCEPT POSTAL SERVICE	94	133	90	124	4	9	-	-	-	-	2	-
MESSENGERS	56	35	56	35	-	-	-	-	-	-	-	-
MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING CLERKS	1 137	742	1 069	694	58	40	10	-	-	-	-	17
DISPATCHERS	51	16	51	16	-	-	-	-	-	-	-	-
PRODUCTION COORDINATORS	143	174	125	167	18	7	-	-	-	-	-	7
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	483	181	452	174	26	7	5	-	-	-	-	2
STOCK AND INVENTORY CLERKS	347	250	332	221	10	21	5	-	-	-	-	8
METER READERS	21	12	21	12	-	-	-	-	-	-	-	-
WEIGHERS, MEASURERS, AND CHECKERS	61	15	61	15	-	-	-	-	-	-	-	-
SAMPLERS	-	6	-	6	-	-	-	-	-	-	-	-
EXPEDITERS	27	67	27	67	-	-	-	-	-	-	-	-
MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING CLERKS, N.E.C.	4	21	-	16	4	5	-	-	-	-	-	-
ADJUSTERS AND INVESTIGATORS	166	230	152	209	14	21	-	-	-	-	-	-
INSURANCE ADJUSTERS, EXAMINERS, AND INVESTIGATORS	74	88	74	82	-	6	-	-	-	-	-	-
INVESTIGATORS AND ADJUSTERS, EXCEPT INSURANCE	76	75	62	68	14	7	-	-	-	-	-	-
ELIGIBILITY CLERKS, SOCIAL WELFARE	6	11	6	3	-	8	-	-	-	-	-	-
BILL AND ACCOUNT COLLECTORS	10	56	10	56	-	-	-	-	-	-	-	-
MISCELLANEOUS ADMINISTRATIVE SUPPORT OCCUPATIONS	553	2 822	491	2 582	44	232	-	2	18	-	7	8
GENERAL OFFICE CLERKS	234	1 246	220	1 157	14	89	-	-	-	-	-	-
BANK TELLERS	31	563	31	515	-	48	-	-	-	-	-	-
PROOFREADERS	-	21	-	21	-	-	-	-	-	-	-	-
DATA-ENTRY KEYERS	8	315	8	272	-	39	-	2	-	-	-	2
STATISTICAL CLERKS	46	82	18	82	10	-	-	-	18	-	-	-
TEACHERS' AIDES	66	290	58	243	8	43	-	-	-	-	-	4
ADMINISTRATIVE SUPPORT OCCUPATIONS, N.E.C.	168	305	156	292	12	13	-	-	-	-	7	2
SERVICE OCCUPATIONS	6 777	10 622	6 128	9 609	557	888	17	34	34	51	82	108
PRIVATE HOUSEHOLD OCCUPATIONS	22	609	22	555	-	54	-	-	-	-	-	13
OCCUPATION:												
LAUNDERERS AND IRONERS	-	-	-	-	-	-	-	-	-	-	-	-
COOKS, PRIVATE HOUSEHOLD	-	9	-	9	-	-	-	-	-	-	-	2
HOUSEKEEPERS AND BUTLERS	-	19	-	13	-	6	-	-	-	-	-	-
CHILD CARE WORKERS, PRIVATE HOUSEHOLD	11	341	11	322	-	19	-	-	-	-	-	11
PRIVATE HOUSEHOLD CLEANERS AND SERVANTS	11	240	11	211	-	29	-	-	-	-	-	-
LIVING ARRANGEMENT:												
LIVING IN	-	15	-	15	-	-	-	-	-	-	-	-
LIVING OUT	22	594	22	540	-	54	-	-	-	-	-	13

(1) PERSONS OF SPANISH ORIGIN MAY BE OF ANY RACE.

TABLE 219. (B) DETAILED OCCUPATION OF EMPLOYED PERSONS BY SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

[DATA ARE ESTIMATES BASED ON A SAMPLE; SEE INTRODUCTION. FOR MEANING OF SYMBOLS, SEE INTRODUCTION. FOR DEFINITIONS OF TERMS, SEE APPENDIXES A AND B]

KALAMAZOO-PORTAGE, MI SMSA

	SMSA											
	TOTAL		WHITE		BLACK		AMERICAN INDIAN, ESKIMO AND ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
PROTECTIVE SERVICE OCCUPATIONS	1 186	259	1 050	236	122	23	5	-	-	-	18	5
SUPERVISORS, PROTECTIVE SERVICE OCCUPATIONS	102	6	102	6	-	-	-	-	-	-	-	-
SUPERVISORS, FIREFIGHTING AND FIRE PREVENTION OCCUPATIONS	21	-	21	-	-	-	-	-	-	-	-	-
SUPERVISORS, POLICE AND DETECTIVES	54	-	54	-	-	-	-	-	-	-	-	-
SUPERVISORS, GUARDS	27	6	27	6	-	-	-	-	-	-	-	-
FIREFIGHTING AND FIRE PREVENTION OCCUPATIONS	143	-	131	-	7	-	5	-	-	-	-	-
FIRE INSPECTION AND FIRE PREVENTION OCCUPATIONS	10	-	5	-	-	-	5	-	-	-	-	-
FIREFIGHTING OCCUPATIONS	133	-	126	-	7	-	-	-	-	-	-	-
POLICE AND DETECTIVES	454	109	420	98	31	11	-	-	-	-	6	5
POLICE AND DETECTIVES, PUBLIC SERVICE	392	44	363	44	26	-	-	-	-	-	6	5
SHERIFFS, BAILIFFS, AND OTHER ENFORCEMENT OFFICERS	46	36	46	29	-	7	-	-	-	-	-	-
CORRECTIONAL INSTITUTION OFFICERS	16	29	11	25	5	4	-	-	-	-	-	-
GUARDS	487	144	397	132	84	12	-	-	-	-	12	-
CROSSING GUARDS	26	27	26	27	-	-	-	-	-	-	-	-
GUARDS AND POLICE, EXCEPT PUBLIC SERVICE	444	109	354	97	84	12	-	-	-	-	12	-
PROTECTIVE SERVICE OCCUPATIONS, N.E.C.	17	8	17	8	-	-	-	-	-	-	-	-
SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD	5 569	9 754	5 056	8 818	435	811	12	34	34	51	64	90
FOOD PREPARATION AND SERVICE OCCUPATIONS	2 077	4 629	1 949	4 408	103	172	-	12	9	29	21	37
SUPERVISORS, FOOD PREPARATION AND SERVICE OCCUPATIONS	166	242	160	235	6	7	-	-	-	-	-	-
BARTENDERS	164	269	164	269	-	-	-	-	-	-	-	-
WAITERS AND WAITRESSES	125	2 032	113	1 987	6	24	-	-	-	13	6	14
COOKS, EXCEPT SHORT ORDER	750	855	705	775	36	62	-	2	9	16	-	4
SHORT-ORDER COOKS	92	17	86	17	6	-	-	-	-	-	-	-
FOOD COUNTER, FOUNTAIN AND RELATED OCCUPATIONS	27	205	27	195	-	10	-	-	-	-	-	8
KITCHEN WORKERS, FOOD PREPARATION	36	170	36	160	-	10	-	-	-	-	-	-
WAITERS' AND WAITRESSES' ASSISTANTS	246	323	231	311	10	12	-	-	-	-	-	-
MISCELLANEOUS FOOD PREPARATION OCCUPATIONS	471	516	427	459	39	47	-	10	-	-	15	11
HEALTH SERVICE OCCUPATIONS	323	2 257	283	1 905	40	306	-	3	-	14	2	46
DENTAL ASSISTANTS	2	134	2	125	-	9	-	-	-	-	-	-
HEALTH AIDES, EXCEPT NURSING	31	440	31	369	-	52	-	-	-	8	2	20
NURSING AIDES, ORDERLIES, AND ATTENDANTS	290	1 683	250	1 411	40	245	-	3	-	6	-	26
CLEANING AND BUILDING SERVICE OCCUPATIONS, EXCEPT HOUSEHOLD	2 730	1 212	2 416	1 009	267	189	12	6	25	8	35	-
SUPERVISORS, CLEANING AND BUILDING SERVICE WORKERS	124	46	113	37	11	9	-	-	-	-	-	-
MAIDS AND HOUSEMEN	185	536	159	444	14	88	-	4	12	-	5	-
JANITORS AND CLEANERS	2 389	619	2 117	522	237	87	12	2	13	8	30	-
ELEVATOR OPERATORS	-	6	-	6	-	-	-	-	-	-	-	-
PEST CONTROL OCCUPATIONS	32	5	27	-	5	5	-	-	-	-	-	-
PERSONAL SERVICE OCCUPATIONS	439	1 656	408	1 496	25	144	-	13	-	-	6	7
SUPERVISORS, PERSONAL SERVICE OCCUPATIONS	24	27	24	20	-	-	-	7	-	-	-	-
BARBERS	105	7	101	7	4	-	-	-	-	-	-	-
HAIRDRESSERS AND COSMETOLOGISTS	53	502	40	483	7	13	-	6	-	-	6	-
ATTENDANTS, AMUSEMENT AND RECREATION FACILITIES	79	39	79	38	-	1	-	-	-	-	-	-
GUIDES	14	28	14	10	-	18	-	-	-	-	-	-
USHERS	25	10	25	10	-	-	-	-	-	-	-	-
PUBLIC TRANSPORTATION ATTENDANTS	-	14	-	14	-	-	-	-	-	-	-	-
BAGGAGE PORTERS AND BELLHOPS	17	6	17	6	-	-	-	-	-	-	-	-
WELFARE SERVICE AIDES	7	15	7	15	-	-	-	-	-	-	-	-
CHILD CARE WORKERS, EXCEPT PRIVATE HOUSEHOLD	49	866	40	757	9	106	-	-	-	-	-	7
PERSONAL SERVICE OCCUPATIONS, N.E.C.	66	142	61	136	5	6	-	-	-	-	-	-
FARMING, FORESTRY, AND FISHING OCCUPATIONS	2 331	1 020	2 196	960	49	34	6	-	9	7	89	35
FARM OPERATORS AND MANAGERS	1 021	206	990	202	23	4	4	-	-	-	4	-
FARMERS, EXCEPT HORTICULTURAL	846	163	819	159	23	4	4	-	-	-	-	-
AGRICULTURAL PRODUCTION, CROPS	606	96	584	92	18	4	4	-	-	-	-	-
HORTICULTURAL SPECIALTY FARMERS	12	-	12	-	-	-	-	-	-	-	-	-
MANAGERS, FARMS, EXCEPT HORTICULTURAL	140	35	136	35	-	-	-	-	-	-	4	-
MANAGERS, HORTICULTURAL SPECIALTY FARMS	23	8	23	8	-	-	-	-	-	-	-	-
FARM OCCUPATIONS, EXCEPT MANAGERIAL	823	637	745	602	14	9	2	-	-	7	80	35
SUPERVISORS, FARM WORKERS	20	18	20	13	-	5	-	-	-	-	-	-
FARM WORKERS	762	570	684	553	14	4	2	-	-	7	80	22
AGRICULTURAL PRODUCTION, CROPS	603	501	525	486	14	2	2	-	-	7	78	22
MARINE LIFE CULTIVATION WORKERS	-	-	-	-	-	-	-	-	-	-	-	-
NURSERY WORKERS	41	49	41	36	-	-	-	-	-	-	-	13
RELATED AGRICULTURAL OCCUPATIONS	442	170	418	149	10	21	-	-	9	-	5	-
SUPERVISORS, RELATED AGRICULTURAL OCCUPATIONS	17	-	17	-	-	-	-	-	-	-	-	-
GROUNDSKEEPERS AND GARDENERS, EXCEPT FARM	351	84	333	68	4	16	-	-	9	-	5	-
ANIMAL CARETAKERS, EXCEPT FARM	70	84	64	79	6	5	-	-	-	-	-	-
GRADERS AND SORTERS, AGRICULTURAL PRODUCTS	4	2	4	2	-	-	-	-	-	-	-	-
INSPECTORS, AGRICULTURAL PRODUCTS	-	-	-	-	-	-	-	-	-	-	-	-
FORESTRY AND LOGGING OCCUPATIONS	45	7	43	7	2	-	-	-	-	-	-	-
SUPERVISORS, FORESTRY AND LOGGING WORKERS	-	-	-	-	-	-	-	-	-	-	-	-
FORESTRY WORKERS, EXCEPT LOGGING	6	-	6	-	-	-	-	-	-	-	-	-
TIMBER CUTTING AND LOGGING OCCUPATIONS	39	7	37	7	2	-	-	-	-	-	-	-
FISHERS, HUNTERS, AND TRAPPERS	-	-	-	-	-	-	-	-	-	-	-	-
CAPTAINS AND OTHER OFFICERS, FISHING VESSELS	-	-	-	-	-	-	-	-	-	-	-	-
FISHERS	-	-	-	-	-	-	-	-	-	-	-	-
HUNTERS AND TRAPPERS	-	-	-	-	-	-	-	-	-	-	-	-

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TABLE 219. (B) DETAILED OCCUPATION OF EMPLOYED PERSONS BY SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

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KALAMAZOO-PORTAGE, MI SMSA

	SMSA											
	TOTAL		WHITE		BLACK		AMERICAN INDIAN, ESKIMO AND ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS	14 204	890	13 418	847	641	35	38	8	26	-	166	10
MECHANICS AND REPAIRERS	4 632	118	4 369	116	226	-	9	2	11	-	48	2
SUPERVISORS, MECHANICS AND REPAIRERS	178	-	178	-	-	-	-	-	-	-	-	-
MECHANICS AND REPAIRERS, EXCEPT SUPERVISORS	4 454	118	4 191	116	226	-	9	2	11	-	48	2
VEHICLE AND MOBILE EQUIPMENT MECHANICS AND REPAIRERS	1 885	17	1 781	17	87	-	7	-	-	-	27	-
AUTOMOBILE MECHANICS	983	7	928	7	49	-	6	-	-	-	18	-
BUS, TRUCK, AND STATIONARY ENGINE MECHANICS	128	-	128	-	-	-	-	-	-	-	-	-
AIRCRAFT MECHANICS	98	-	88	-	10	-	-	-	-	-	-	-
SMALL ENGINE REPAIRERS	109	-	109	-	-	-	-	-	-	-	-	-
AUTOMOBILE BODY AND RELATED REPAIRERS	315	10	287	10	28	-	-	-	-	-	2	-
HEAVY EQUIPMENT MECHANICS	215	-	205	-	-	-	-	-	-	-	7	-
FARM EQUIPMENT MECHANICS	37	-	36	-	-	-	1	-	-	-	-	-
INDUSTRIAL MACHINERY REPAIRERS	804	26	773	26	31	-	-	-	-	-	7	-
MACHINERY MAINTENANCE OCCUPATIONS	76	2	67	2	9	-	-	-	-	-	-	-
ELECTRICAL AND ELECTRONIC EQUIPMENT REPAIRERS	626	34	585	32	41	-	-	2	-	-	-	2
ELECTRONIC REPAIRERS, COMMUNICATIONS AND INDUSTRIAL EQUIPMENT	144	-	135	-	9	-	-	-	-	-	-	-
DATA PROCESSING EQUIPMENT REPAIRERS	73	-	61	-	12	-	-	-	-	-	-	-
HOUSEHOLD APPLIANCE AND POWER TOOL REPAIRERS	110	-	110	-	-	-	-	-	-	-	-	-
TELEPHONE LINE INSTALLERS AND REPAIRERS	41	-	41	-	-	-	-	-	-	-	-	-
TELEPHONE INSTALLERS AND REPAIRERS	234	34	214	32	20	-	-	2	-	-	-	2
MISCELLANEOUS ELECTRICAL AND ELECTRONIC EQUIPMENT REPAIRERS	24	-	24	-	-	-	-	-	-	-	-	-
HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS	195	-	185	-	10	-	-	-	-	-	7	-
MISCELLANEOUS MECHANICS AND REPAIRERS	868	39	800	39	48	-	2	-	11	-	7	-
CAMERA, WATCH, AND MUSICAL INSTRUMENT REPAIRERS	65	3	54	3	-	-	-	-	11	-	-	-
LOCKSMITHS AND SAFE REPAIRERS	27	2	27	2	-	-	-	-	-	-	-	-
OFFICE MACHINE REPAIRERS	53	-	53	-	-	-	-	-	-	-	2	-
MECHANICAL CONTROLS AND VALVE REPAIRERS	65	4	59	4	6	-	-	-	-	-	-	-
ELEVATOR INSTALLERS AND REPAIRERS	43	-	38	-	5	-	-	-	-	-	-	-
MILLWRIGHTS	208	-	186	-	17	-	-	-	-	-	5	-
SPECIFIED MECHANICS AND REPAIRERS, N.E.C.	308	11	286	11	20	-	-	-	-	-	-	-
NOT SPECIFIED MECHANICS AND REPAIRERS	99	19	97	19	-	-	2	-	-	-	-	-
CONSTRUCTION TRADES	4 294	56	4 110	56	140	-	21	-	-	-	47	2
SUPERVISORS; CONSTRUCTION OCCUPATIONS	850	-	802	-	32	-	9	-	-	-	12	-
SUPERVISORS; BRICKMASONS, STONEMASONS, AND TILE SETTERS	6	-	6	-	-	-	-	-	-	-	-	-
SUPERVISORS; CARPENTERS AND RELATED WORKERS	28	-	28	-	-	-	-	-	-	-	-	-
SUPERVISORS; ELECTRICIANS AND POWER TRANSMISSION INSTALLERS	31	-	31	-	-	-	-	-	-	-	-	-
SUPERVISORS; PAINTERS, PAPERHANGERS, AND PLASTERERS	22	-	20	-	-	-	-	-	-	-	2	-
SUPERVISORS; PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	24	-	24	-	-	-	-	-	-	-	-	-
SUPERVISORS; N.E.C.	739	-	693	-	32	-	9	-	-	-	10	-
CONSTRUCTION TRADES, EXCEPT SUPERVISORS	3 444	56	3 308	56	108	-	12	-	-	-	35	2
BRICKMASONS AND STONEMASONS	157	-	147	-	10	-	-	-	-	-	-	-
TILE SETTERS, HARD AND SOFT	23	-	23	-	-	-	-	-	-	-	-	-
CARPET INSTALLERS	93	4	93	4	-	-	-	-	-	-	-	-
CARPENTERS	1 002	11	989	11	13	-	-	-	-	-	11	-
DRYWALL INSTALLERS	83	-	77	-	6	-	-	-	-	-	-	-
ELECTRICIANS	621	-	585	-	28	-	2	-	-	-	6	-
ELECTRICAL POWER INSTALLERS AND REPAIRERS	75	-	75	-	-	-	-	-	-	-	-	-
PAINTERS, CONSTRUCTION AND MAINTENANCE	371	20	360	20	7	-	2	-	-	-	2	-
PAPERHANGERS	-	-	-	-	-	-	-	-	-	-	-	-
PLASTERERS	48	-	43	-	5	-	-	-	-	-	-	-
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	573	13	542	13	23	-	8	-	-	-	6	-
CONCRETE AND TERRAZZO FINISHERS	34	-	34	-	-	-	-	-	-	-	-	-
GLAZIERS	19	-	19	-	-	-	-	-	-	-	-	-
INSULATION WORKERS	43	8	38	8	5	-	-	-	-	-	-	2
PAVING, SURFACING, AND TAMPING EQUIPMENT OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-
ROOFERS	93	-	93	-	-	-	-	-	-	-	-	-
SHEETMETAL DUCT INSTALLERS	43	-	43	-	-	-	-	-	-	-	2	-
STRUCTURAL METAL WORKERS	25	-	25	-	-	-	-	-	-	-	-	-
DRILLERS, EARTH	31	-	23	-	-	-	-	-	-	-	8	-
CONSTRUCTION TRADES, N.E.C.	110	-	99	-	11	-	-	-	-	-	-	-
EXTRACTIVE OCCUPATIONS	31	-	31	-	-	-	-	-	-	-	-	-
SUPERVISORS, EXTRACTIVE OCCUPATIONS	5	-	5	-	-	-	-	-	-	-	-	-
DRILLERS, OIL WELL	9	-	9	-	-	-	-	-	-	-	-	-
EXPLOSIVES WORKERS	15	-	15	-	-	-	-	-	-	-	-	-
MINING MACHINE OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-
MINING OCCUPATIONS, N.E.C.	2	-	2	-	-	-	-	-	-	-	-	-

(1) PERSONS OF SPANISH ORIGIN MAY BE OF ANY RACE.

TABLE 219. (B) DETAILED OCCUPATION OF EMPLOYED PERSONS BY SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

[DATA ARE ESTIMATES BASED ON A SAMPLE; SEE INTRODUCTION. FOR MEANING OF SYMBOLS, SEE INTRODUCTION. FOR DEFINITIONS OF TERMS, SEE APPENDIXES A AND B]

KALAMAZOO-PORTAGE, MI SMSA

	SMSA											
	TOTAL		WHITE		BLACK		AMERICAN INDIAN, ESKIMO AND ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
PRECISION PRODUCTION OCCUPATIONS	5 247	716	4 908	675	275	35	8	6	15	-	71	6
SUPERVISORS, PRODUCTION OCCUPATIONS	2 418	297	2 287	292	114	5	2	-	-	-	28	6
NONDURABLE GOODS MANUFACTURING	870	149	818	144	44	5	2	-	-	-	8	6
DURABLE GOODS MANUFACTURING	1 075	37	1 025	37	50	-	-	-	-	-	6	-
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	111	-	111	-	-	-	-	-	-	-	-	-
WHOLESALE AND RETAIL TRADE	229	81	208	81	12	-	-	-	-	-	9	-
ALL OTHER INDUSTRIES	133	30	125	30	8	-	-	-	-	-	5	-
PRECISION METALWORKING OCCUPATIONS	1 927	71	1 793	60	109	11	2	-	8	-	30	-
TOOL AND DIE MAKERS	982	2	918	2	51	-	-	-	-	-	28	-
PRECISION ASSEMBLERS, METAL	31	2	25	-	6	2	-	-	-	-	-	-
MACHINISTS	621	37	559	28	52	9	2	-	8	-	-	-
BOILERMAKERS	16	-	16	-	-	-	-	-	-	-	-	-
PRECISION GRINDERS, FILERS, AND TOOL SHARPENERS	25	-	25	-	-	-	-	-	-	-	-	-
PATTERNMAKERS AND MODEL MAKERS, METAL	25	-	25	-	-	-	-	-	-	-	-	-
LAY-OUT WORKERS	6	-	6	-	-	-	-	-	-	-	-	-
PRECIOUS STONES AND METALS WORKERS (JEWELERS)	18	5	18	5	-	-	-	-	-	-	-	-
ENGRAVERS, METAL	-	19	-	19	-	-	-	-	-	-	-	-
SHEET METAL WORKERS	203	6	201	6	-	-	-	-	-	-	2	-
MISCELLANEOUS PRECISION METAL WORKERS	-	-	-	-	-	-	-	-	-	-	-	-
PRECISION WOODWORKING OCCUPATIONS	83	18	83	12	-	6	-	-	-	-	-	-
PATTERNMAKERS AND MODEL MAKERS, WOOD	12	-	12	-	-	-	-	-	-	-	-	-
CABINET MAKERS AND BENCH CARPENTERS	36	-	36	-	-	-	-	-	-	-	-	-
FURNITURE AND WOOD FINISHERS	28	18	28	12	-	6	-	-	-	-	-	-
MISCELLANEOUS PRECISION WOODWORKERS	7	-	7	-	-	-	-	-	-	-	-	-
PRECISION TEXTILE, APPAREL, AND FURNISHINGS MACHINE WORKERS	75	137	69	137	6	-	-	-	-	-	-	-
DRESSMAKERS	-	77	-	77	-	-	-	-	-	-	-	-
TAILORS	20	22	14	22	6	-	-	-	-	-	-	-
UPHOLSTERERS	22	20	22	20	-	-	-	-	-	-	-	-
SHOE REPAIRERS	33	18	33	18	-	-	-	-	-	-	-	-
APPAREL AND FABRIC PATTERNMAKERS	-	-	-	-	-	-	-	-	-	-	-	-
MISCELLANEOUS PRECISION APPAREL AND FABRIC WORKERS	-	-	-	-	-	-	-	-	-	-	-	-
PRECISION WORKERS, ASSORTED MATERIALS	181	90	145	79	29	5	-	6	7	-	2	-
HAND MOLDERS AND SHAPERS, EXCEPT JEWELERS	93	2	74	-	19	2	-	-	-	-	2	-
PATTERNMAKERS, LAY-OUT WORKERS, AND CUTTERS	2	-	2	-	-	-	-	-	-	-	-	-
OPTICAL GOODS WORKERS	35	36	35	36	-	-	-	-	-	-	-	-
DENTAL LABORATORY AND MEDICAL APPLIANCE TECHNICIANS	17	7	17	1	-	-	-	6	-	-	-	-
BOOKBINDERS	7	10	-	10	-	-	-	-	7	-	-	-
ELECTRICAL AND ELECTRONIC EQUIPMENT ASSEMBLERS	21	35	11	32	10	3	-	-	-	-	-	-
MISCELLANEOUS PRECISION WORKERS, N.E.C.	6	-	6	-	-	-	-	-	-	-	-	-
PRECISION FOOD PRODUCTION OCCUPATIONS	300	72	277	72	12	-	-	-	-	-	11	-
BUTCHERS AND MEAT CUTTERS	235	14	212	14	12	-	-	-	-	-	11	-
BAKERS	56	58	56	58	-	-	-	-	-	-	-	-
FOOD BATCHMAKERS	9	-	9	-	-	-	-	-	-	-	-	-
PRECISION INSPECTORS, TESTERS, AND RELATED WORKERS	52	26	52	21	-	5	-	-	-	-	-	-
INSPECTORS, TESTERS, AND GRADERS	52	26	52	21	-	5	-	-	-	-	-	-
ADJUSTERS AND CALIBRATORS	-	-	-	-	-	-	-	-	-	-	-	-
PLANT AND SYSTEM OPERATORS	211	5	202	2	5	3	4	-	-	-	-	-
WATER AND SEWAGE TREATMENT PLANT OPERATORS	5	-	5	-	-	-	-	-	-	-	-	-
POWER PLANT OPERATORS	23	5	23	2	-	3	-	-	-	-	-	-
STATIONARY ENGINEERS	140	-	140	-	-	-	-	-	-	-	-	-
MISCELLANEOUS PLANT AND SYSTEM OPERATORS	43	-	34	-	5	-	4	-	-	-	-	-
OPERATORS, FABRICATORS, AND LABORERS	17 085	6 257	15 703	5 481	1 093	704	103	27	31	25	288	78
MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS	9 556	4 254	8 695	3 684	686	520	47	15	25	17	180	58
MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION	6 819	2 646	6 276	2 270	424	342	31	15	10	8	133	47
METALWORKING AND PLASTIC WORKING MACHINE OPERATORS	1 607	463	1 466	359	112	99	5	-	10	-	20	5
LATHE AND TURNING MACHINE SET-UP OPERATORS	112	-	112	-	-	-	-	-	-	-	-	-
LATHE AND TURNING MACHINE OPERATORS	246	38	232	26	9	12	3	-	2	-	-	-
MILLING AND PLANING MACHINE OPERATORS	44	-	44	-	-	-	-	-	-	-	-	-
PUNCHING AND STAMPING PRESS MACHINE OPERATORS	562	306	510	252	47	49	-	-	-	-	11	5
ROLLING MACHINE OPERATORS	12	-	6	-	6	-	-	-	-	-	-	-
DRILLING AND BORING MACHINE OPERATORS	108	21	94	14	6	7	-	-	8	-	-	-
GRINDING, ABRADING, BUFFING, AND POLISHING MACHINE OPERATORS	422	81	373	62	38	19	2	-	-	-	9	-
FORGING MACHINE OPERATORS	22	-	22	-	-	-	-	-	-	-	-	-
NUMERICAL CONTROL MACHINE OPERATORS	19	-	19	-	-	-	-	-	-	-	-	-
MISCELLANEOUS METAL, PLASTIC, STONE, AND GLASS WORKING MACHINE OPERATORS	60	17	54	5	6	12	-	-	-	-	-	-

(1) PERSONS OF SPANISH ORIGIN MAY BE OF ANY RACE.

TABLE 219. (B) DETAILED OCCUPATION OF EMPLOYED PERSONS BY SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

[DATA ARE ESTIMATES BASED ON A SAMPLE; SEE INTRODUCTION. FOR MEANING OF SYMBOLS, SEE INTRODUCTION. FOR DEFINITIONS OF TERMS, SEE APPENDIXES A AND B]

KALAMAZOO-PORTAGE, MI SMSA

	SMSA											
	TOTAL		WHITE		BLACK		AMERICAN INDIAN, ESKIMO AND ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
FABRICATING MACHINE OPERATORS, N.E.C.	38	21	38	19	-	2	-	-	-	-	-	-
METAL AND PLASTIC PROCESSING MACHINE OPERATORS	322	162	284	154	17	8	8	-	-	-	11	-
MOLDING AND CASTING MACHINE OPERATORS	252	160	214	152	17	8	8	-	-	-	11	-
METAL PLATING MACHINE OPERATORS	36	-	36	-	-	-	-	-	-	-	-	-
HEAT TREATING EQUIPMENT OPERATORS	24	-	24	-	-	-	-	-	-	-	-	-
MISCELLANEOUS METAL AND PLASTIC PROCESSING MACHINE OPERATORS	10	2	10	2	-	-	-	-	-	-	-	-
WOODWORKING MACHINE OPERATORS	65	12	59	12	4	-	2	-	-	-	-	-
WOOD LATHE, ROUTING, AND PLANING MACHINE OPERATORS	3	-	3	-	-	-	-	-	-	-	-	-
SAWING MACHINE OPERATORS	36	-	34	-	-	-	2	-	-	-	-	-
SHAPING AND JOINING MACHINE OPERATORS	11	12	7	12	4	-	-	-	-	-	-	-
NAILING AND TACKING MACHINE OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-
MISCELLANEOUS WOODWORKING MACHINE OPERATORS	15	-	15	-	-	-	-	-	-	-	-	-
PRINTING MACHINE OPERATORS	723	145	702	141	10	4	3	-	-	-	28	-
PRINTING MACHINE OPERATORS	587	69	566	69	10	-	3	-	-	-	22	-
PHOTOENGRAVERS AND LITHOGRAPHERS	50	8	50	8	-	-	-	-	-	-	-	-
TYPESETTERS AND COMPOSITORS	37	41	37	41	-	-	-	-	-	-	6	-
MISCELLANEOUS PRINTING MACHINE OPERATORS	49	27	49	23	-	4	-	-	-	-	-	-
TEXTILE, APPAREL, AND FURNISHINGS MACHINE OPERATORS	150	372	142	297	8	64	-	6	-	5	-	6
WINDING AND TWISTING MACHINE OPERATORS	19	-	19	-	-	-	-	-	-	-	-	-
KNITTING, LOOPING, TAPING, AND WEAVING MACHINE OPERATORS	-	9	-	9	-	-	-	-	-	-	-	-
TEXTILE CUTTING MACHINE OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-
TEXTILE SEWING MACHINE OPERATORS	7	65	7	54	-	6	-	-	-	5	-	-
SHOE MACHINE OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-
PRESSING MACHINE OPERATORS	10	57	10	39	-	12	-	6	-	-	-	-
LAUNDERING AND DRY CLEANING MACHINE OPERATORS	107	238	99	192	8	46	-	-	-	-	-	6
MISCELLANEOUS TEXTILE MACHINE OPERATORS	7	3	7	3	-	-	-	-	-	-	-	-
MACHINE OPERATORS, ASSORTED MATERIALS	3 914	1 471	3 585	1 288	273	165	13	9	-	3	74	36
CEMENTING AND GLUING MACHINE OPERATORS	78	33	72	33	-	-	6	-	-	-	-	2
PACKAGING AND FILLING MACHINE OPERATORS	111	107	100	92	9	13	-	-	-	-	2	2
EXTRUDING AND FORMING MACHINE OPERATORS	8	4	8	4	-	-	-	-	-	-	-	-
MIXING AND BLENDING MACHINE OPERATORS	163	15	159	15	4	-	-	-	-	-	-	-
SEPARATING, FILTERING, AND CLARIFYING MACHINE OPERATORS	270	21	263	21	7	-	-	-	-	-	-	-
COMPRESSING AND COMPACTING MACHINE OPERATORS	67	-	59	-	8	-	-	-	-	-	3	-
PAINTING AND PAINT SPRAYING MACHINE OPERATORS	241	67	217	61	22	6	-	-	-	-	3	-
ROASTING AND BAKING MACHINE OPERATORS, FOOD	-	-	-	-	-	-	-	-	-	-	-	-
WASHING, CLEANING, AND PICKLING MACHINE OPERATORS	-	2	-	2	-	-	-	-	-	-	-	-
FOLDING MACHINE OPERATORS	32	21	24	21	3	-	5	-	-	-	7	-
FURNACE, KILN, AND OVEN OPERATORS, EXCEPT FOOD	166	16	144	16	22	-	-	-	-	-	-	-
CRUSHING AND GRINDING MACHINE OPERATORS	38	12	36	12	2	-	-	-	-	-	-	-
SLICING AND CUTTING MACHINE OPERATORS	232	126	226	97	6	26	-	-	-	3	-	-
MOTION PICTURE PROJECTIONISTS	8	-	8	-	-	-	-	-	-	-	-	-
PHOTOGRAPHIC PROCESS MACHINE OPERATORS	21	36	18	30	3	6	-	-	-	-	-	-
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS	2 479	1 011	2 251	884	187	114	2	9	-	-	59	32
OCCUPATION:												
MISCELLANEOUS MACHINE OPERATORS, N.E.C.	1 095	184	1 004	163	84	18	-	1	-	-	9	2
MACHINE OPERATORS, NOT SPECIFIED	1 384	827	1 247	721	103	96	2	8	-	-	50	30
INDUSTRY:												
MANUFACTURING	2 323	957	2 114	843	168	101	2	9	-	-	59	32
NONDURABLE GOODS	1 444	674	1 330	603	86	59	2	8	-	-	36	23
FOOD AND KINDRED PRODUCTS	117	68	96	51	-	13	2	-	-	-	19	6
TOBACCO MANUFACTURES	-	-	-	-	-	-	-	-	-	-	-	-
TEXTILE MILL PRODUCTS	-	-	-	-	-	-	-	-	-	-	-	-
APPAREL AND OTHER FINISHED TEXTILE PRODUCTS	10	9	10	9	-	-	-	-	-	-	-	-
PAPER AND ALLIED PRODUCTS	965	148	909	140	49	8	-	-	-	-	17	7
PRINTING, PUBLISHING, AND ALLIED INDUSTRIES	18	67	18	67	-	-	-	-	-	-	-	-
CHEMICALS AND ALLIED PRODUCTS	226	235	205	204	21	31	-	-	-	-	-	-
PETROLEUM AND COAL PRODUCTS	-	-	-	-	-	-	-	-	-	-	-	-
RUBBER AND MISCELLANEOUS PLASTICS PRODUCTS	104	147	88	132	16	7	-	8	-	-	-	10
LEATHER AND LEATHER PRODUCTS	4	-	4	-	-	-	-	-	-	-	-	-
DURABLE GOODS	858	281	763	238	82	42	-	1	-	-	23	9
LUMBER AND WOOD PRODUCTS, EXCEPT FURNITURE	13	6	13	6	-	-	-	-	-	-	-	3
FURNITURE AND FIXTURES	6	9	6	9	-	-	-	-	-	-	-	-
STONE, CLAY, GLASS, AND CONCRETE PRODUCTS	25	1	16	-	9	-	-	1	-	-	-	-
PRIMARY METAL INDUSTRIES	88	48	72	31	14	17	-	-	-	-	4	-
BLAST FURNACES, STEELWORKS, ROLLING AND FINISHING MILLS	9	-	9	-	-	-	-	-	-	-	-	-

(1) PERSONS OF SPANISH ORIGIN MAY BE OF ANY RACE.

TABLE 219. (B) DETAILED OCCUPATION OF EMPLOYED PERSONS BY SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

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KALAMAZOO-PORTAGE, MI SMSA

	SMSA											
	TOTAL		WHITE		BLACK		AMERICAN INDIAN, ESKIMO AND ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS-CON. INDUSTRY-CON.												
FABRICATED METAL INDUSTRIES	100	20	85	20	15	-	-	-	-	-	-	-
MACHINERY, EXCEPT ELECTRICAL	258	45	240	44	7	1	-	-	-	-	11	-
ELECTRICAL MACHINERY, EQUIPMENT, AND SUPPLIES	21	17	21	12	-	5	-	-	-	-	3	-
TRANSPORTATION EQUIPMENT	261	102	236	83	25	19	-	-	-	-	5	-
MOTOR VEHICLES AND MOTOR VEHICLE EQUIPMENT	241	87	216	68	25	19	-	-	-	-	5	-
OTHER TRANSPORTATION EQUIPMENT	20	15	20	15	-	-	-	-	-	-	-	-
PROFESSIONAL AND PHOTOGRAPHIC EQUIPMENT, AND WATCHES	11	10	11	10	-	-	-	-	-	-	-	-
MISCELLANEOUS MANUFACTURING INDUSTRIES	75	23	63	23	12	-	-	-	-	-	-	6
NOT SPECIFIED MANUFACTURING INDUSTRIES	21	2	21	2	-	-	-	-	-	-	-	-
NONMANUFACTURING INDUSTRIES	156	54	137	41	19	13	-	-	-	-	-	-
CONSTRUCTION	-	6	-	6	-	-	-	-	-	-	-	-
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	35	-	31	-	4	-	-	-	-	-	-	-
WHOLESALE TRADE	31	-	31	-	-	-	-	-	-	-	-	-
RETAIL TRADE	31	10	16	10	15	-	-	-	-	-	-	-
BUSINESS AND REPAIR SERVICES	14	14	14	14	-	-	-	-	-	-	-	-
PUBLIC ADMINISTRATION	13	-	13	-	-	-	-	-	-	-	-	-
ALL OTHER INDUSTRIES	32	24	32	11	-	13	-	-	-	-	-	-
FABRICATORS, ASSEMBLERS, AND HAND WORKING OCCUPATIONS	1 902	923	1 655	807	205	113	14	-	8	-	35	7
WELDERS AND CUTTERS	929	69	840	66	78	3	7	-	-	-	11	-
SOLDERERS AND BRAZERS	-	10	-	10	-	-	-	-	-	-	-	-
ASSEMBLERS	905	810	753	707	121	100	7	-	8	-	24	7
HAND CUTTING AND TRIMMING OCCUPATIONS	6	5	6	-	-	5	-	-	-	-	-	-
HAND MOLDING, CASTING, AND FORMING OCCUPATIONS	10	5	10	5	-	-	-	-	-	-	-	-
HAND PAINTING, COATING AND DECORATING OCCUPATIONS	46	13	46	13	-	-	-	-	-	-	-	-
HAND ENGRAVING AND PRINTING OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-
HAND GRINDING AND POLISHING OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-
MISCELLANEOUS HAND WORKING OCCUPATIONS	6	11	-	6	6	5	-	-	-	-	-	-
PRODUCTION INSPECTORS, TESTERS, SAMPLERS, AND WEIGHERS	835	685	764	607	57	65	2	-	7	9	12	4
PRODUCTION INSPECTORS, CHECKERS, AND EXAMINERS	721	607	650	537	57	59	2	-	7	9	12	2
PRODUCTION TESTERS	49	10	49	10	-	-	-	-	-	-	-	-
PRODUCTION SAMPLERS AND WEIGHERS	25	-	25	-	-	-	-	-	-	-	-	-
GRADERS AND SORTERS, EXCEPT AGRICULTURAL	40	68	40	60	-	6	-	-	-	-	-	2
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	4 109	610	3 830	560	225	48	29	2	-	-	52	6
MOTOR VEHICLE OPERATORS	2 740	534	2 547	486	150	46	29	2	-	-	24	-
SUPERVISORS, MOTOR VEHICLE OPERATORS	46	-	46	-	-	-	-	-	-	-	-	-
TRUCK DRIVERS, HEAVY	1 547	59	1 449	57	75	-	23	2	-	-	10	-
TRUCK DRIVERS, LIGHT	605	74	568	74	23	-	-	-	-	-	14	-
DRIVER-SALES WORKERS	254	23	254	19	-	4	-	-	-	-	-	-
BUS DRIVERS	167	350	119	329	44	21	4	-	-	-	-	-
TAXICAB DRIVERS AND CHAUFFEURS	92	19	85	5	5	14	2	-	-	-	-	-
PARKING LOT ATTENDANTS	29	9	26	2	3	7	-	-	-	-	-	-
MOTOR TRANSPORTATION OCCUPATIONS, N.E.C.	-	-	-	-	-	-	-	-	-	-	-	-
RAIL TRANSPORTATION OCCUPATIONS	106	-	96	-	10	-	-	-	-	-	-	-
RAILROAD CONDUCTORS AND YARDMASTERS	69	-	69	-	-	-	-	-	-	-	-	-
LOCOMOTIVE OPERATING OCCUPATIONS	9	-	9	-	-	-	-	-	-	-	-	-
RAILROAD BRAKE, SIGNAL, AND SWITCH OPERATORS	22	-	12	-	10	-	-	-	-	-	-	-
RAIL VEHICLE OPERATORS, N.E.C.	6	-	6	-	-	-	-	-	-	-	-	-
WATER TRANSPORTATION OCCUPATIONS	2	-	2	-	-	-	-	-	-	-	-	-
SHIP CAPTAINS AND MATES, EXCEPT FISHING BOATS	-	-	-	-	-	-	-	-	-	-	-	-
SAILORS AND DECKHANDS	2	-	2	-	-	-	-	-	-	-	-	-
MARINE ENGINEERS	-	-	-	-	-	-	-	-	-	-	-	-
BRIDGE, LOCK, AND LIGHTHOUSE TENDERS	-	-	-	-	-	-	-	-	-	-	-	-
MATERIAL MOVING EQUIPMENT OPERATORS	1 261	76	1 185	74	65	2	-	-	-	-	28	6
SUPERVISORS, MATERIAL MOVING EQUIPMENT OPERATORS	16	6	16	6	-	-	-	-	-	-	-	-
OPERATING ENGINEERS	240	-	234	-	6	-	-	-	-	-	2	-
LONGSHORE EQUIPMENT OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-
HOIST AND WINCH OPERATORS	11	-	9	-	-	-	-	-	-	-	2	-
CRANE AND TOWER OPERATORS	85	2	79	2	6	-	-	-	-	-	7	-
EXCAVATING AND LOADING MACHINE OPERATORS	56	-	56	-	-	-	-	-	-	-	-	-
GRADER, DOZER, AND SCRAPER OPERATORS	55	-	45	-	10	-	-	-	-	-	-	-
INDUSTRIAL TRUCK AND TRACTOR EQUIPMENT OPERATORS	630	28	590	28	31	-	-	-	-	-	17	6
MISCELLANEOUS MATERIAL MOVING EQUIPMENT OPERATORS	168	40	156	38	12	2	-	-	-	-	-	-

(1) PERSONS OF SPANISH ORIGIN MAY BE OF ANY RACE.

TABLE 219. (B) DETAILED OCCUPATION OF EMPLOYED PERSONS BY SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

[DATA ARE ESTIMATES BASED ON A SAMPLE; SEE INTRODUCTION. FOR MEANING OF SYMBOLS, SEE INTRODUCTION. FOR DEFINITIONS OF TERMS, SEE APPENDIXES A AND B]

KALAMAZOO-PORTAGE, MI SMSA

	SMSA											
	TOTAL		WHITE		BLACK		AMERICAN INDIAN, ESKIMO AND ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS	3 420	1 393	3 178	1 237	182	136	27	10	6	8	56	14
SUPERVISORS; HANDLERS, EQUIPMENT CLEANERS, AND LABORERS, N.E.C.	-	-	-	-	-	-	-	-	-	-	-	-
HELPERS, MECHANICS AND REPAIRERS	21	-	15	-	-	-	6	-	-	-	-	-
HELPERS, CONSTRUCTION AND EXTRACTIVE OCCUPATIONS	65	1	65	1	-	-	-	-	-	-	-	-
HELPERS, CONSTRUCTION TRADES	64	1	64	1	-	-	-	-	-	-	-	-
HELPERS, SURVEYOR	1	-	1	-	-	-	-	-	-	-	-	-
HELPERS, EXTRACTIVE OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-
CONSTRUCTION LABORERS	585	11	535	11	45	-	-	-	-	-	7	-
PRODUCTION HELPERS	80	48	68	42	12	6	-	-	-	-	-	-
FREIGHT, STOCK, AND MATERIAL HANDLERS	1 227	280	1 170	257	57	16	-	7	-	-	13	7
GARBAGE COLLECTORS	33	-	33	-	-	-	-	-	-	-	-	-
STEVEDORES	-	-	-	-	-	-	-	-	-	-	-	-
STOCK HANDLERS AND BAGGERS	778	173	748	170	30	3	-	-	-	-	11	-
MACHINE FEEDERS AND OFFBEARERS	17	54	17	41	-	13	-	-	-	-	-	-
FREIGHT, STOCK, AND MATERIAL HANDLERS, N.E.C.	399	53	372	46	27	-	-	7	-	-	2	7
GARAGE AND SERVICE STATION RELATED OCCUPATIONS	303	32	290	32	6	-	4	-	-	-	8	5
VEHICLE WASHERS AND EQUIPMENT CLEANERS	184	30	166	27	6	-	2	3	6	-	4	-
HAND PACKERS AND PACKAGERS	234	625	221	567	11	56	-	-	-	-	2	2
LABORERS, EXCEPT CONSTRUCTION	721	366	648	300	45	58	15	-	-	8	22	-
MANUFACTURING	378	243	332	185	24	50	9	-	-	8	14	-
NONDURABLE GOODS	211	174	189	140	4	34	7	-	-	-	6	-
FOOD AND KINDRED PRODUCTS	68	46	61	39	4	7	-	-	-	-	2	-
TEXTILE MILL AND FINISHED TEXTILE PRODUCTS	-	7	-	-	-	7	-	-	-	-	-	-
PAPER AND ALLIED PRODUCTS	111	75	102	62	-	13	7	-	-	-	4	-
CHEMICALS AND ALLIED PRODUCTS	6	31	-	24	-	7	-	-	-	-	-	-
RUBBER AND MISCELLANEOUS PLASTICS PRODUCTS	24	7	24	7	-	-	-	-	-	-	-	-
OTHER NONDURABLE GOODS	2	8	2	8	-	-	-	-	-	-	-	-
DURABLE GOODS	167	69	143	45	20	16	2	-	-	8	8	-
FURNITURE, LUMBER, AND WOOD PRODUCTS	22	15	22	6	-	9	-	-	-	-	-	-
STONE, CLAY, GLASS, AND CONCRETE PRODUCTS	4	-	4	-	-	-	-	-	-	-	-	-
PRIMARY METAL INDUSTRIES	21	8	12	8	7	-	-	-	-	-	2	-
FABRICATED METAL INDUSTRIES	26	11	26	11	-	-	-	-	-	-	-	-
MACHINERY, EXCEPT ELECTRICAL	31	2	24	2	7	-	-	-	-	-	-	-
ELECTRICAL MACHINERY, EQUIPMENT, AND SUPPLIES	6	9	6	2	-	7	-	-	-	-	-	-
TRANSPORTATION EQUIPMENT	57	15	49	7	6	-	2	-	-	8	6	-
MOTOR VEHICLES AND MOTOR VEHICLE EQUIPMENT	57	15	49	7	6	-	2	-	-	8	6	-
OTHER DURABLE GOODS	-	9	-	9	-	-	-	-	-	-	-	-
NOT SPECIFIED MANUFACTURING INDUSTRIES	-	-	-	-	-	-	-	-	-	-	-	-
NONMANUFACTURING INDUSTRIES	343	123	316	115	21	8	6	-	-	-	8	-
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	42	8	42	8	-	-	-	-	-	-	8	-
WHOLESALE TRADE	97	19	85	19	12	-	-	-	-	-	-	-
RETAIL TRADE	68	17	62	17	-	-	6	-	-	-	-	-
BUSINESS AND REPAIR SERVICES	41	6	41	6	-	-	-	-	-	-	-	-
PUBLIC ADMINISTRATION	8	-	4	-	4	-	-	-	-	-	-	-
ALL OTHER INDUSTRIES	87	73	82	65	5	8	-	-	-	-	-	-

(1) PERSONS OF SPANISH ORIGIN MAY BE OF ANY RACE.

TABLE 219. (B) DETAILED OCCUPATION OF EMPLOYED PERSONS BY SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

[DATA ARE ESTIMATES BASED ON A SAMPLE; SEE INTRODUCTION. FOR MEANING OF SYMBOLS, SEE INTRODUCTION. FOR DEFINITIONS OF TERMS, SEE APPENDIXES A AND B]

LANSING-EAST LANSING, MI SMSA

	SMSA											
	TOTAL		WHITE		BLACK		AMERICAN INDIAN, ESKIMO AND ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
EMPLOYED PERSONS 16 YEARS AND OVER	117 383	92 407	110 171	86 087	4 568	4 376	522	351	828	649	2 535	1 920
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS	28 462	20 134	27 034	18 859	852	885	64	89	427	211	291	251
EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS	13 269	6 772	12 741	6 265	399	379	26	36	61	54	87	78
LEGISLATORS, CHIEF EXECUTIVES AND GENERAL ADMINISTRATORS; PUBLIC ADMINISTRATION	111	83	100	65	11	18	-	-	-	-	-	2
ADMINISTRATORS AND OFFICIALS, PUBLIC ADMINISTRATION	1 074	362	988	341	78	21	-	-	6	-	10	-
FEDERAL	87	13	80	9	7	4	-	-	-	-	-	-
STATE	827	206	748	189	71	17	-	-	6	-	5	-
LOCAL	160	143	160	143	-	-	-	-	-	-	5	-
ADMINISTRATORS, PROTECTIVE SERVICES	70	4	70	4	-	-	-	-	-	-	-	-
FINANCIAL MANAGERS	496	283	470	258	17	20	6	-	-	-	12	14
PERSONNEL AND LABOR RELATIONS MANAGERS	239	185	234	180	5	5	-	-	-	-	-	-
PURCHASING MANAGERS	90	21	90	21	-	-	-	-	-	-	-	-
MANAGERS, MARKETING, ADVERTISING, AND PUBLIC RELATIONS	992	178	971	178	21	-	-	-	-	-	3	-
ADMINISTRATORS, EDUCATION AND RELATED FIELDS	1 042	556	984	505	37	45	-	6	14	-	-	8
MANAGERS, MEDICINE AND HEALTH	113	65	103	60	10	-	-	5	-	-	-	5
MANAGERS, PROPERTIES AND REAL ESTATE	251	228	251	188	-	29	-	-	-	-	-	11
POSTMASTERS AND MAIL SUPERINTENDENTS	36	10	36	10	-	-	-	-	-	-	-	-
FUNERAL DIRECTORS	41	9	41	9	-	-	-	-	-	-	-	-
MANAGERS AND ADMINISTRATORS, N.E.C., SALARIED	4 766	2 365	4 633	2 219	80	88	6	22	28	14	30	26
CONSTRUCTION	277	31	273	25	4	6	-	-	-	-	-	-
MANUFACTURING	980	93	951	90	15	-	-	-	14	3	8	-
NONDURABLE GOODS	289	36	265	33	10	-	-	-	14	3	3	-
DURABLE GOODS	691	57	686	57	5	-	-	-	-	-	5	-
TRANSPORTATION	162	46	162	46	-	-	-	-	-	-	-	-
COMMUNICATIONS, UTILITIES AND SANITARY SERVICES	131	44	131	37	-	7	-	-	-	-	-	-
WHOLESALE TRADE	431	54	431	54	-	-	-	-	-	-	-	-
RETAIL TRADE	922	593	893	582	8	6	-	-	10	-	19	5
GENERAL MERCHANDISE STORES	69	69	69	58	-	6	-	-	-	-	-	5
FOOD, BAKERY, AND DAIRY STORES	109	56	101	56	8	-	-	-	-	-	-	-
AUTOMOTIVE DEALERS AND GASOLINE STATIONS	80	42	80	42	-	-	-	-	-	-	-	-
EATING AND DRINKING PLACES	552	295	531	295	-	-	-	-	10	-	19	-
OTHER RETAIL TRADE	112	131	112	131	-	-	-	-	-	-	-	-
FINANCE, INSURANCE, AND REAL ESTATE	341	268	334	254	-	8	-	-	-	6	-	-
BUSINESS AND REPAIR SERVICES	198	99	192	99	-	-	6	-	-	-	-	-
PERSONAL SERVICES	120	132	113	126	7	-	-	6	-	-	-	-
ALL OTHER INDUSTRIES	1 204	1 005	1 153	906	46	61	-	16	4	5	3	21
MANAGERS AND ADMINISTRATORS, N.E.C., SELF-EMPLOYED	678	238	660	226	10	5	8	-	-	7	1	6
CONSTRUCTION	126	-	126	-	-	-	-	-	-	-	-	-
MANUFACTURING	65	22	65	15	-	-	-	-	-	7	-	-
NONDURABLE GOODS	36	15	36	15	-	-	-	-	-	-	-	-
DURABLE GOODS	29	7	29	-	-	-	-	-	-	7	-	-
TRANSPORTATION	11	6	11	6	-	-	-	-	-	-	-	-
COMMUNICATIONS, UTILITIES AND SANITARY SERVICES	2	-	2	-	-	-	-	-	-	-	-	-
WHOLESALE TRADE	23	4	23	4	-	-	-	-	-	-	-	-
RETAIL TRADE	255	113	237	113	10	-	8	-	-	-	1	6
GENERAL MERCHANDISE STORES	-	-	-	-	-	-	-	-	-	-	-	-
FOOD, BAKERY, AND DAIRY STORES	4	6	4	6	-	-	-	-	-	-	-	-
AUTOMOTIVE DEALERS AND GASOLINE STATIONS	12	-	12	-	-	-	-	-	-	-	-	-
EATING AND DRINKING PLACES	190	74	180	74	2	-	8	-	-	-	1	6
OTHER RETAIL TRADE	49	33	41	33	8	-	-	-	-	-	-	-
FINANCE, INSURANCE, AND REAL ESTATE	21	9	21	9	-	-	-	-	-	-	-	-
BUSINESS AND REPAIR SERVICES	76	10	76	10	-	-	-	-	-	-	-	-
PERSONAL SERVICES	37	24	37	19	-	5	-	-	-	-	-	-
ALL OTHER INDUSTRIES	62	50	62	50	-	-	-	-	-	-	-	-
MANAGEMENT RELATED OCCUPATIONS	3 270	2 185	3 110	2 001	130	148	6	3	13	33	31	6
ACCOUNTANTS AND AUDITORS	1 341	872	1 297	813	31	41	2	-	6	18	16	-
UNDERWRITERS	11	12	11	12	-	-	-	-	-	-	-	-
OTHER FINANCIAL OFFICERS	474	347	463	331	11	16	-	-	-	-	-	-
MANAGEMENT ANALYSTS	114	79	110	67	-	12	4	-	-	-	-	-
PERSONNEL, TRAINING, AND LABOR RELATIONS SPECIALISTS	612	508	545	447	63	58	-	3	-	-	8	6
PURCHASING AGENTS AND BUYERS, FARM PRODUCTS	37	-	37	-	-	-	-	-	-	-	-	-
BUYERS, WHOLESALE AND RETAIL TRADE EXCEPT FARM PRODUCTS	84	163	84	146	-	6	-	-	-	11	-	-
PURCHASING AGENTS AND BUYERS, N.E.C.	236	55	213	55	19	-	-	-	2	-	2	-
BUSINESS AND PROMOTION AGENTS	28	8	28	8	-	-	-	-	-	-	-	-
CONSTRUCTION INSPECTORS	57	-	57	-	-	-	-	-	-	-	-	-
INSPECTORS AND COMPLIANCE OFFICERS, EXC. CONSTRUCTION	244	62	236	62	3	-	-	-	5	-	5	-
MANAGEMENT RELATED OCCUPATIONS, N.E.C.	32	79	29	60	3	15	-	-	-	4	-	-
PROFESSIONAL SPECIALTY OCCUPATIONS	15 193	13 362	14 293	12 594	453	506	38	53	366	157	204	173
ENGINEERS, ARCHITECTS, AND SURVEYORS	2 488	155	2 391	139	46	16	5	-	40	-	23	7
ARCHITECTS	159	5	148	5	-	-	-	-	5	-	13	-
ENGINEERS	2 269	145	2 189	129	40	16	5	-	35	-	10	7
AEROSPACE	10	4	10	4	-	-	-	-	-	-	-	-
METALLURGICAL AND MATERIALS	37	-	37	-	-	-	-	-	-	-	-	-
MINING	2	-	2	-	-	-	-	-	-	-	-	-
PETROLEUM	8	2	8	2	-	-	-	-	-	-	-	-
CHEMICAL	49	-	37	-	-	-	-	-	12	-	-	-
NUCLEAR	-	-	-	-	-	-	-	-	-	-	-	-
CIVIL	568	13	534	13	22	-	-	-	12	-	-	-
AGRICULTURAL	-	7	-	7	-	-	-	-	-	-	-	-
ELECTRICAL AND ELECTRONIC	184	36	184	20	-	16	-	-	-	-	-	-
INDUSTRIAL	358	30	353	30	5	-	-	-	-	-	-	7
MECHANICAL	694	39	680	39	9	-	5	-	-	-	4	-
MARINE AND NAVAL ARCHITECTS	-	5	-	5	-	-	-	-	-	-	-	-
ENGINEERS, N.E.C.	359	9	344	9	4	-	-	-	11	-	6	-
SURVEYORS AND MAPPING SCIENTISTS	60	5	54	5	6	-	-	-	-	-	-	-

(1) PERSONS OF SPANISH ORIGIN MAY BE OF ANY RACE.

TABLE 219. (B) DETAILED OCCUPATION OF EMPLOYED PERSONS BY SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

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LANSING-EAST LANSING, MI SMSA

	SMSA											
	TOTAL		WHITE		BLACK		AMERICAN INDIAN, ESKIMO AND ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
MATHEMATICAL AND COMPUTER SCIENTISTS	591	232	523	219	20	7	2	-	45	6	1	-
COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS	407	123	375	123	10	-	2	-	19	-	1	-
OPERATIONS AND SYSTEMS RESEARCHERS AND ANALYSTS	130	86	113	79	10	7	-	-	7	-	-	-
ACTUARIES	5	-	5	-	-	-	-	-	-	-	-	-
STATISTICIANS	49	23	30	17	-	-	-	-	19	6	-	-
MATHEMATICAL SCIENTISTS, N.E.C.	-	-	-	-	-	-	-	-	-	-	-	-
NATURAL SCIENTISTS	589	185	543	172	18	13	-	-	28	-	25	-
PHYSICISTS AND ASTRONOMERS	32	-	32	-	-	-	-	-	-	-	-	-
CHEMISTS, EXCEPT BIOCHEMISTS	133	46	109	46	18	-	-	-	6	-	11	-
ATMOSPHERIC AND SPACE SCIENTISTS	8	15	8	15	-	-	-	-	-	-	-	-
GEOLOGISTS AND GEODESISTS	46	9	46	9	-	-	-	-	-	-	-	-
PHYSICAL SCIENTISTS, N.E.C.	9	-	9	-	-	-	-	-	-	-	-	-
AGRICULTURAL AND FOOD SCIENTISTS	119	28	119	22	-	6	-	-	-	-	14	-
BIOLOGICAL AND LIFE SCIENTISTS	167	57	162	50	-	7	-	-	5	-	-	-
FORESTRY AND CONSERVATION SCIENTISTS	24	5	24	5	-	-	-	-	-	-	-	-
MEDICAL SCIENTISTS	51	25	34	25	-	-	-	-	17	-	-	-
HEALTH DIAGNOSING OCCUPATIONS	1 201	221	1 123	184	18	9	2	-	53	28	28	-
PHYSICIANS	674	177	601	144	18	5	2	-	48	28	28	-
DENTISTS	308	4	303	4	-	-	-	-	5	-	-	-
VETERINARIANS	98	28	98	24	-	4	-	-	-	-	-	-
OPTOMETRISTS	63	12	63	12	-	-	-	-	-	-	-	-
PODIATRISTS	8	-	8	-	-	-	-	-	-	-	-	-
HEALTH DIAGNOSING PRACTITIONERS, N.E.C.	50	-	50	-	-	-	-	-	-	-	-	-
HEALTH ASSESSMENT AND TREATING OCCUPATIONS	445	2 920	424	2 832	14	26	7	17	-	43	9	44
REGISTERED NURSES	85	2 432	82	2 350	3	25	-	12	-	43	-	44
PHARMACISTS	165	45	154	45	11	-	-	-	-	-	-	-
DIETITIANS	20	115	20	110	-	-	-	5	-	-	9	-
THERAPISTS	126	294	119	293	-	1	7	-	-	-	-	-
INHALATION THERAPISTS	59	80	52	79	-	1	7	-	-	-	-	-
OCCUPATIONAL THERAPISTS	-	20	-	20	-	-	-	-	-	-	-	-
PHYSICAL THERAPISTS	45	61	45	61	-	-	-	-	-	-	-	-
SPEECH THERAPISTS	1	91	1	91	-	-	-	-	-	-	-	-
THERAPISTS, N.E.C.	21	42	21	42	-	-	-	-	-	-	-	-
PHYSICIANS' ASSISTANTS	49	34	49	34	-	-	-	-	-	-	-	-
TEACHERS, POSTSECONDARY	2 847	978	2 572	917	97	29	7	-	157	32	74	9
BIOLOGICAL SCIENCE TEACHERS	58	4	58	4	-	-	-	-	-	-	-	-
CHEMISTRY TEACHERS	45	6	40	6	-	-	-	-	5	-	-	-
PHYSICS TEACHERS	58	6	55	6	-	-	-	-	3	-	-	-
OTHER NATURAL SCIENCE TEACHERS	17	7	17	7	-	-	-	-	-	-	-	-
PSYCHOLOGY TEACHERS	13	19	13	19	-	-	-	-	-	-	-	-
ECONOMICS TEACHERS	27	-	27	-	-	-	-	-	-	-	-	-
HISTORY TEACHERS	17	5	17	5	-	-	-	-	-	-	-	-
OTHER SOCIAL SCIENCE TEACHERS	34	10	23	10	-	-	5	-	-	-	6	-
ENGINEERING TEACHERS	30	-	21	-	-	-	2	-	7	-	7	-
MATHEMATICAL AND COMPUTER SCIENCE TEACHERS	147	79	117	72	12	-	-	-	10	7	11	-
MEDICAL SCIENCE TEACHERS	65	5	65	5	-	-	-	-	-	-	8	-
HEALTH SPECIALTIES TEACHERS	17	16	17	11	-	5	-	-	-	-	-	-
BUSINESS, COMMERCE, AND MARKETING TEACHERS	39	19	23	19	10	-	-	-	6	-	-	-
ART, DRAMA, AND MUSIC TEACHERS	76	43	76	43	-	-	-	-	-	-	-	-
ENGLISH TEACHERS	31	63	31	63	-	-	-	-	-	-	-	-
FOREIGN LANGUAGE TEACHERS	15	11	10	11	-	-	-	-	5	-	-	-
OTHER SPECIFIED TEACHERS	69	62	69	62	-	-	-	-	-	-	-	-
POSTSECONDARY TEACHERS, SUBJECT NOT SPECIFIED	2 089	623	1 893	574	75	24	-	-	121	25	42	9
TEACHERS, EXCEPT POSTSECONDARY	2 403	5 168	2 312	4 926	58	191	15	11	18	29	1	54
TEACHERS, PREKINDERGARTEN AND KINDERGARTEN	23	238	23	238	-	-	-	-	-	-	-	-
TEACHERS, ELEMENTARY SCHOOL	1 338	3 619	1 270	3 422	42	157	13	11	13	18	-	51
TEACHERS, SECONDARY SCHOOL	791	927	785	899	4	22	2	-	-	6	1	3
TEACHERS, SPECIAL EDUCATION	24	26	24	23	-	3	-	-	-	-	-	-
TEACHERS, N.E.C.	227	358	210	344	12	9	-	-	5	5	-	-
COUNSELORS, EDUCATIONAL AND VOCATIONAL	361	644	289	553	66	65	-	5	6	-	-	27
LIBRARIANS, ARCHIVISTS, AND CURATORS	124	424	117	402	-	16	-	-	7	-	-	6
LIBRARIANS	109	405	102	383	-	16	-	-	7	-	-	6
ARCHIVISTS AND CURATORS	15	19	15	19	-	-	-	-	-	-	-	-
SOCIAL SCIENTISTS AND URBAN PLANNERS	406	138	391	122	11	4	-	-	-	12	11	7
ECONOMISTS	197	21	192	21	5	-	-	-	-	-	-	-
PSYCHOLOGISTS	155	93	149	87	6	4	-	-	-	2	-	-
SOCIOLOGISTS	7	-	7	-	-	-	-	-	-	-	-	-
SOCIAL SCIENTISTS, N.E.C.	25	14	21	14	-	-	-	-	-	-	11	7
URBAN PLANNERS	22	10	22	-	-	-	-	-	-	10	-	-
SOCIAL, RECREATION, AND RELIGIOUS WORKERS	979	948	908	824	70	99	-	6	-	7	20	12
SOCIAL WORKERS	460	824	406	705	53	94	-	6	-	7	12	12
RECREATION WORKERS	30	39	30	34	-	5	-	-	-	-	-	-
CLERGY	472	42	455	42	17	-	-	-	-	-	8	-
RELIGIOUS WORKERS, N.E.C.	17	43	17	43	-	-	-	-	-	-	-	-
LAWYERS AND JUDGES	1 094	190	1 084	179	10	11	-	-	-	-	-	-
LAWYERS	978	172	978	168	-	4	-	-	-	-	-	-
JUDGES	116	18	106	11	10	7	-	-	-	-	-	-
WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES	1 665	1 159	1 616	1 125	25	20	-	14	12	-	12	7
AUTHORS	34	20	34	20	-	-	-	-	-	-	-	-
TECHNICAL WRITERS	52	30	52	21	-	9	-	-	-	-	-	-
DESIGNERS	315	361	308	348	-	6	-	7	-	-	-	-
MUSICIANS AND COMPOSERS	199	105	189	100	5	5	-	-	-	-	8	-
ACTORS AND DIRECTORS	80	26	75	26	5	-	-	-	-	-	-	-
PAINTERS, SCULPTORS, CRAFT-ARTISTS, AND ARTIST PRINTMAKERS	109	103	109	103	-	-	-	-	-	-	-	-
PHOTOGRAPHERS	140	13	133	13	7	-	-	-	-	-	-	-
DANCERS	-	-	-	-	-	-	-	-	-	-	-	-
ARTISTS, PERFORMERS AND RELATED WORKERS, N.E.C.	37	62	33	62	-	-	-	-	4	-	-	-
EDITORS AND REPORTERS	259	264	251	257	-	-	-	7	8	-	4	7
PUBLIC RELATIONS SPECIALISTS	216	104	216	104	-	-	-	-	-	-	-	-
ANNOUNCERS	132	36	124	36	8	-	-	-	-	-	-	-
ATHLETES	92	35	92	35	-	-	-	-	-	-	-	-

(1) PERSONS OF SPANISH ORIGIN MAY BE OF ANY RACE.

TABLE 219. (B) DETAILED OCCUPATION OF EMPLOYED PERSONS BY SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

[DATA ARE ESTIMATES BASED ON A SAMPLE; SEE INTRODUCTION. FOR MEANING OF SYMBOLS, SEE INTRODUCTION. FOR DEFINITIONS OF TERMS, SEE APPENDIXES A AND B]

LANSING-EAST LANSING, MI SMSA

	SMSA											
	TOTAL		WHITE		BLACK		AMERICAN INDIAN, ESKIMO AND ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS	21 924	45 217	20 719	42 370	798	2 003	65	146	144	277	391	804
TECHNICIANS AND RELATED SUPPORT OCCUPATIONS	4 105	3 276	3 854	3 004	128	154	2	24	78	66	91	62
HEALTH TECHNOLOGISTS AND TECHNICIANS	336	1 815	317	1 707	-	48	-	22	5	28	20	26
CLINICAL LABORATORY TECHNOLOGISTS AND TECHNICIANS	141	363	141	324	-	6	-	5	-	18	-	10
DENTAL HYGIENISTS	-	95	-	95	-	-	-	-	-	-	-	-
HEALTH RECORD TECHNOLOGISTS AND TECHNICIANS	-	37	-	37	-	-	-	-	-	-	-	-
RADIOLOGIC TECHNICIANS	25	130	25	120	-	-	-	10	-	-	-	7
LICENSED PRACTICAL NURSES	16	951	16	902	-	37	-	7	-	5	-	9
HEALTH TECHNOLOGISTS AND TECHNICIANS, N.E.C.	154	239	135	229	-	5	-	-	5	5	20	-
ENGINEERING AND RELATED TECHNOLOGISTS AND TECHNICIANS	1 470	366	1 385	332	57	26	-	2	15	-	33	18
ELECTRICAL AND ELECTRONIC TECHNICIANS	194	25	191	13	-	9	-	-	3	-	-	3
INDUSTRIAL ENGINEERING TECHNICIANS	9	-	9	-	-	-	-	-	-	-	-	-
MECHANICAL ENGINEERING TECHNICIANS	28	-	23	-	5	-	-	-	-	-	-	-
ENGINEERING TECHNICIANS, N.E.C.	541	272	502	259	25	11	-	2	7	-	9	7
DRAFTING OCCUPATIONS	667	58	629	52	27	6	-	-	5	-	24	5
SURVEYING AND MAPPING TECHNICIANS	31	11	31	8	-	-	-	-	-	-	-	3
SCIENCE TECHNICIANS	302	190	284	156	10	28	-	-	8	-	-	6
BIOLOGICAL TECHNICIANS	66	26	66	20	-	6	-	-	-	-	-	-
CHEMICAL TECHNICIANS	71	27	69	27	-	-	-	-	2	-	-	-
SCIENCE TECHNICIANS, N.E.C.	165	137	149	109	10	22	-	-	6	-	-	6
TECHNICIANS, EXCEPT HEALTH, ENGINEERING, AND SCIENCE	1 997	905	1 868	809	61	52	2	-	50	38	38	12
AIRPLANE PILOTS AND NAVIGATORS	56	-	56	-	-	-	-	-	-	-	-	-
AIR TRAFFIC CONTROLLERS	32	11	32	11	-	-	-	-	-	-	-	-
BROADCAST EQUIPMENT OPERATORS	119	75	104	75	15	-	-	-	-	-	-	-
COMPUTER PROGRAMMERS	668	192	651	160	15	20	2	-	-	6	-	-
TOOL PROGRAMMERS, NUMERICAL CONTROL	12	5	12	-	-	5	-	-	-	-	-	-
LEGAL ASSISTANTS	93	108	88	108	5	-	-	-	-	-	-	11
TECHNICIANS, N.E.C.	1 017	514	925	455	26	27	-	-	50	32	38	1
SALES OCCUPATIONS	9 723	9 822	9 381	9 387	208	254	31	16	15	76	170	211
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS, SALARIED	1 629	675	1 562	652	42	11	11	-	-	12	6	8
MANUFACTURING	47	-	41	-	6	-	-	-	-	-	-	-
WHOLESALE TRADE	134	10	134	10	-	-	-	-	-	-	-	-
RETAIL TRADE	1 314	648	1 257	625	32	11	11	-	-	12	6	8
ALL OTHER INDUSTRIES	134	17	130	17	4	-	-	-	-	-	-	-
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS, SELF-EMPLOYED	340	160	319	145	4	-	-	2	8	5	11	8
MANUFACTURING	-	-	-	-	-	-	-	-	-	-	-	-
WHOLESALE TRADE	33	-	33	-	-	-	-	-	-	-	-	-
RETAIL TRADE	295	160	286	145	-	-	-	2	-	5	11	8
ALL OTHER INDUSTRIES	12	-	-	-	4	-	-	-	8	-	-	-
SALES REPRESENTATIVES, FINANCE AND BUSINESS SERVICES	2 284	1 159	2 242	1 119	35	31	-	-	7	7	40	43
INSURANCE SALES OCCUPATIONS	843	261	821	251	15	8	-	-	7	-	-	16
REAL ESTATE SALES OCCUPATIONS	743	503	732	489	11	14	-	-	-	-	10	-
SECURITIES AND FINANCIAL SERVICES SALES OCCUPATIONS	119	37	119	37	-	-	-	-	-	-	-	-
ADVERTISING AND RELATED SALES OCCUPATIONS	146	75	146	66	-	9	-	-	-	-	-	9
SALES OCCUPATIONS, OTHER BUSINESS SERVICES	433	283	424	276	9	-	-	-	-	7	30	18
SALES REPRESENTATIVES, COMMODITIES, EXCEPT RETAIL	1 721	319	1 708	314	13	5	-	-	-	-	3	-
SALES ENGINEERS	23	5	23	5	-	-	-	-	-	-	-	-
SALES REPRESENTATIVES, MINING, MANUFACTURING, AND WHOLESALE	1 698	314	1 685	309	13	5	-	-	-	-	3	-
WHOLESALE TRADE	1 292	198	1 279	193	13	5	-	-	-	-	3	-
SALES WORKERS, RETAIL AND PERSONAL SERVICES	3 717	7 479	3 523	7 127	109	207	20	14	-	52	110	152
SALES WORKERS, MOTOR VEHICLES AND BOATS	487	50	450	50	20	-	-	-	-	-	11	-
SALES WORKERS, APPAREL	155	763	155	738	-	19	-	-	-	-	-	-
SALES WORKERS, SHOES	108	101	96	101	12	-	-	-	-	-	-	-
SALES WORKERS, FURNITURE AND HOME FURNISHINGS	170	99	160	92	6	-	-	-	-	-	17	7
SALES WORKERS, RADIO, TV, HI-FI, AND APPLIANCES	245	110	245	110	-	-	-	-	-	-	-	-
SALES WORKERS, HARDWARE AND BUILDING SUPPLIES	223	87	223	87	-	-	-	-	-	-	-	-
SALES WORKERS, PARTS	327	48	321	48	6	-	-	-	-	-	-	-
SALES WORKERS, OTHER COMMODITIES	945	2 251	889	2 131	10	82	15	6	-	-	31	45
RETAIL TRADE	880	2 189	824	2 084	10	67	15	6	-	-	31	45
PERSONAL, BUSINESS AND REPAIR SERVICES	10	25	10	25	-	-	-	-	-	-	-	-
ALL OTHER INDUSTRIES	55	37	55	22	-	15	-	-	-	-	-	-
SALES COUNTER CLERKS	35	146	35	146	-	-	-	-	-	-	-	-
CASHIERS	845	3 327	775	3 132	52	106	5	8	-	52	51	89
STREET AND DOOR-TO-DOOR SALES WORKERS	64	410	64	405	-	-	-	-	-	-	-	11
NEWS VENDORS	113	87	110	87	3	-	-	-	-	-	-	-
SALES RELATED OCCUPATIONS	32	30	27	30	5	-	-	-	-	-	-	-
DEMONSTRATORS, PROMOTERS AND MODELS, SALES	5	26	-	26	5	-	-	-	-	-	-	-
AUCTIONEERS	13	2	13	2	-	-	-	-	-	-	-	-
SALES SUPPORT OCCUPATIONS, N.E.C.	14	2	14	2	-	-	-	-	-	-	-	-
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL	8 096	32 119	7 484	29 979	462	1 595	32	106	51	135	130	531
SUPERVISORS, ADMINISTRATIVE SUPPORT OCCUPATIONS	1 825	1 575	1 708	1 503	94	56	2	7	14	5	15	12
SUPERVISORS, GENERAL OFFICE	1 166	1 313	1 075	1 241	68	56	2	7	14	5	9	12
SUPERVISORS, COMPUTER EQUIPMENT OPERATORS	111	37	106	37	5	-	-	-	-	-	-	-
SUPERVISORS, FINANCIAL RECORDS PROCESSING	207	160	205	160	2	-	-	-	-	-	-	-
CHIEF COMMUNICATIONS OPERATORS	74	37	68	37	6	-	-	-	-	-	-	-
SUPERVISORS; DISTRIBUTION, SCHEDULING, AND ADJUSTING CLERKS	267	28	254	28	13	-	-	-	-	-	6	-

(1) PERSONS OF SPANISH ORIGIN MAY BE OF ANY RACE.

TABLE 219. (B) DETAILED OCCUPATION OF EMPLOYED PERSONS BY SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

[DATA ARE ESTIMATES BASED ON A SAMPLE; SEE INTRODUCTION. FOR MEANING OF SYMBOLS, SEE INTRODUCTION. FOR DEFINITIONS OF TERMS, SEE APPENDIXES A AND B]

LANSING-EAST LANSING, MI SMSA

	SMSA											
	TOTAL		WHITE		BLACK		AMERICAN INDIAN, ESKIMO AND ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
COMPUTER EQUIPMENT OPERATORS	468	743	427	705	37	27	-	5	4	6	-	5
COMPUTER OPERATORS	440	722	399	684	37	27	-	5	4	6	-	5
PERIPHERAL EQUIPMENT OPERATORS	28	21	28	21	-	-	-	-	-	-	-	-
SECRETARIES, STENOGRAPHERS, AND TYPISTS	156	12 843	141	12 174	15	453	-	36	-	24	5	228
SECRETARIES	99	10 475	84	10 006	15	304	-	29	-	14	5	172
STENOGRAPHERS	10	127	10	120	-	7	-	-	-	-	-	-
TYPISTS	47	2 241	47	2 048	-	142	-	7	-	10	-	56
INFORMATION CLERKS	466	1 921	424	1 813	23	100	6	2	13	-	-	47
INTERVIEWERS	61	225	57	221	4	4	-	-	-	-	-	-
HOTEL CLERKS	21	36	21	36	-	-	-	-	-	-	-	7
TRANSPORTATION TICKET AND RESERVATION AGENTS	93	23	91	17	2	6	-	-	-	-	-	-
RECEPTIONISTS	222	1 404	186	1 320	17	76	6	2	13	-	-	26
INFORMATION CLERKS, N.E.C.	69	233	69	219	-	14	-	-	-	-	-	14
RECORDS PROCESSING OCCUPATIONS, EXCEPT FINANCIAL	499	1 963	416	1 703	65	211	2	10	4	30	23	33
CLASSIFIED-AD CLERKS	6	7	6	7	-	-	-	-	-	-	-	-
CORRESPONDENCE CLERKS	-	11	-	11	-	-	-	-	-	-	-	-
ORDER CLERKS	211	456	203	425	8	16	-	5	-	10	11	10
PERSONNEL CLERKS, EXCEPT PAYROLL AND TIMEKEEPING	12	141	12	117	-	24	-	-	-	-	-	-
LIBRARY CLERKS	145	465	102	382	39	64	-	-	4	13	-	12
FILE CLERKS	88	732	66	617	8	103	2	5	-	7	12	8
RECORDS CLERKS	37	151	27	144	10	4	-	-	-	-	-	3
FINANCIAL RECORDS PROCESSING OCCUPATIONS	538	3 813	506	3 622	16	130	-	13	10	29	6	36
BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS	344	2 995	335	2 898	9	63	-	2	-	24	-	19
PAYROLL AND TIMEKEEPING CLERKS	100	239	83	216	7	17	-	6	10	-	-	6
BILLING CLERKS	24	229	24	216	-	8	-	5	-	-	-	-
COST AND RATE CLERKS	55	134	55	113	-	17	-	-	-	-	-	4
BILLING, POSTING, AND CALCULATING MACHINE OPERATORS	15	216	9	179	-	25	-	-	-	5	6	7
DUPLICATING, MAIL, AND OTHER OFFICE MACHINE OPERATORS	37	116	30	102	6	14	-	-	-	-	1	-
DUPLICATING MACHINE OPERATORS	27	38	20	32	6	6	-	-	-	-	1	-
MAIL PREPARING AND PAPER HANDLING MACHINE OPERATORS	10	14	10	14	-	-	-	-	-	-	-	-
OFFICE MACHINE OPERATORS, N.E.C.	-	64	-	56	-	8	-	-	-	-	-	-
COMMUNICATIONS EQUIPMENT OPERATORS	29	475	24	425	5	45	-	5	-	-	-	-
TELEPHONE OPERATORS	27	475	22	425	5	45	-	5	-	-	-	-
TELEGRAPHERS	-	-	-	-	-	-	-	-	-	-	-	-
COMMUNICATIONS EQUIPMENT OPERATORS, N.E.C.	2	-	2	-	-	-	-	-	-	-	-	-
MAIL AND MESSAGE DISTRIBUTING OCCUPATIONS	943	746	877	701	52	35	-	-	2	-	26	10
POSTAL CLERKS, EXCEPT MAIL CARRIERS	252	236	233	219	19	14	-	-	-	-	-	3
MAIL CARRIERS, POSTAL SERVICE	371	140	361	138	8	2	-	-	2	-	-	-
MAIL CLERKS, EXCEPT POSTAL SERVICE	189	295	165	278	12	10	-	-	-	-	26	7
MESSENGERS	131	75	118	66	13	9	-	-	-	-	-	-
MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING CLERKS	1 713	818	1 654	779	42	32	7	-	-	7	17	3
DISPATCHERS	51	46	51	46	-	-	-	-	-	-	-	-
PRODUCTION COORDINATORS	293	156	289	141	4	10	-	-	-	5	-	-
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	351	159	335	155	16	4	-	-	-	-	2	-
STOCK AND INVENTORY CLERKS	748	252	715	234	16	16	7	-	-	2	15	-
METER READERS	92	4	92	4	-	-	-	-	-	-	-	-
WEIGHERS, MEASURERS, AND CHECKERS	62	76	62	76	-	-	-	-	-	-	-	3
SAMPLERS	-	-	-	-	-	-	-	-	-	-	-	-
EXPEDITERS	102	80	102	80	-	-	-	-	-	-	-	-
MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING CLERKS, N.E.C.	14	45	8	43	6	2	-	-	-	-	-	-
ADJUSTERS AND INVESTIGATORS	374	642	338	606	36	36	-	-	-	-	11	13
INSURANCE ADJUSTERS, EXAMINERS, AND INVESTIGATORS	145	210	139	199	6	11	-	-	-	-	11	-
INVESTIGATORS AND ADJUSTERS, EXCEPT INSURANCE	177	301	147	284	30	17	-	-	-	-	-	13
ELIGIBILITY CLERKS, SOCIAL WELFARE	-	13	-	13	-	-	-	-	-	-	-	-
BILL AND ACCOUNT COLLECTORS	52	118	52	110	-	8	-	-	-	-	-	-
MISCELLANEOUS ADMINISTRATIVE SUPPORT OCCUPATIONS	1 048	6 464	939	5 846	71	456	15	28	4	34	26	144
GENERAL OFFICE CLERKS	466	2 661	413	2 331	28	232	8	6	-	25	17	89
BANK TELLERS	61	917	54	869	-	23	7	-	-	5	-	23
PROOFREADERS	6	53	6	51	-	2	-	-	-	-	-	-
DATA-ENTRY KEYERS	55	1 069	53	1 014	-	37	-	9	-	4	-	9
STATISTICAL CLERKS	90	349	85	343	5	-	-	6	-	-	-	7
TEACHERS' AIDES	65	799	50	706	11	93	-	-	4	-	-	8
ADMINISTRATIVE SUPPORT OCCUPATIONS, N.E.C.	305	616	278	532	27	69	-	7	-	-	9	8
SERVICE OCCUPATIONS	12 628	17 167	11 508	15 853	733	831	94	75	105	106	366	554
PRIVATE HOUSEHOLD OCCUPATIONS	51	925	45	881	6	28	-	3	-	-	-	27
OCCUPATION:												
LAUNDERERS AND IRONERS	-	19	-	19	-	-	-	-	-	-	-	-
COOKS, PRIVATE HOUSEHOLD	-	-	-	-	-	-	-	-	-	-	-	-
HOUSEKEEPERS AND BUTLERS	-	31	-	31	-	-	-	-	-	-	-	14
CHILD CARE WORKERS, PRIVATE HOUSEHOLD	6	599	6	585	-	8	-	-	-	-	-	6
PRIVATE HOUSEHOLD CLEANERS AND SERVANTS	45	276	39	246	6	20	-	3	-	-	-	7
LIVING ARRANGEMENT:												
LIVING IN	-	27	-	27	-	-	-	-	-	-	-	-
LIVING OUT	51	898	45	854	6	28	-	3	-	-	-	27

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TABLE 219. (B) DETAILED OCCUPATION OF EMPLOYED PERSONS BY SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

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LANSING-EAST LANSING, MI SMSA

	SMSA											
	TOTAL		WHITE		BLACK		AMERICAN INDIAN, ESKIMO AND ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
PROTECTIVE SERVICE OCCUPATIONS	2 702	454	2 511	408	139	42	36	4	7	-	22	-
SUPERVISORS, PROTECTIVE SERVICE OCCUPATIONS	177	11	165	6	10	5	-	-	-	-	2	-
SUPERVISORS, FIREFIGHTING AND FIRE PREVENTION OCCUPATIONS	16	-	16	-	-	-	-	-	-	-	-	-
SUPERVISORS, POLICE AND DETECTIVES	116	11	116	6	-	5	-	-	-	-	-	-
SUPERVISORS, GUARDS	45	-	33	-	10	-	-	-	-	-	2	-
FIREFIGHTING AND FIRE PREVENTION OCCUPATIONS	321	-	308	-	13	-	-	-	-	-	-	-
FIRE INSPECTION AND FIRE PREVENTION OCCUPATIONS	40	-	40	-	-	-	-	-	-	-	-	-
FIREFIGHTING OCCUPATIONS	281	-	268	-	13	-	-	-	-	-	-	-
POLICE AND DETECTIVES	1 261	123	1 199	100	48	19	7	4	-	-	9	-
POLICE AND DETECTIVES, PUBLIC SERVICE	753	59	721	46	25	13	7	-	-	-	9	-
SHERIFFS, BAILIFFS, AND OTHER ENFORCEMENT OFFICERS	123	12	123	6	-	6	-	-	-	-	-	-
CORRECTIONAL INSTITUTION OFFICERS	385	52	355	48	23	-	-	4	-	-	-	-
GUARDS	943	320	839	302	68	18	29	-	7	-	11	-
CROSSING GUARDS	61	101	46	101	15	-	-	-	-	-	-	-
GUARDS AND POLICE, EXCEPT PUBLIC SERVICE	830	188	741	170	53	18	29	-	7	-	11	-
PROTECTIVE SERVICE OCCUPATIONS, N.E.C.	52	31	52	31	-	-	-	-	-	-	-	-
SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD	9 875	15 788	8 952	14 564	588	761	58	68	98	106	344	527
FOOD PREPARATION AND SERVICE OCCUPATIONS	4 172	8 210	3 816	7 764	234	229	22	42	53	78	90	188
SUPERVISORS, FOOD PREPARATION AND SERVICE OCCUPATIONS	300	437	280	407	20	26	-	-	-	-	5	15
BARTENDERS	308	348	299	321	4	9	-	-	-	5	3	24
WAITERS AND WAITRESSES	365	3 127	342	3 022	17	20	6	32	-	35	-	51
COOKS, EXCEPT SHORT ORDER	1 424	1 728	1 283	1 609	103	67	6	-	22	7	10	49
SHORT-ORDER COOKS	98	69	84	60	14	9	-	-	-	-	-	-
FOOD COUNTER, FOUNTAIN AND RELATED OCCUPATIONS	100	273	89	273	11	-	-	-	-	-	-	-
KITCHEN WORKERS, FOOD PREPARATION	23	167	21	157	-	1	-	6	2	3	-	6
WAITERS' AND WAITRESSES' ASSISTANTS	624	817	576	775	26	34	6	-	10	2	18	18
MISCELLANEOUS FOOD PREPARATION OCCUPATIONS	930	1 244	842	1 140	39	63	4	4	19	26	54	25
HEALTH SERVICE OCCUPATIONS	334	2 652	306	2 451	5	159	-	11	13	6	6	46
DENTAL ASSISTANTS	7	261	7	261	-	-	-	-	-	-	-	-
HEALTH AIDES, EXCEPT NURSING	54	628	54	590	-	21	-	-	-	6	-	19
NURSING AIDES, ORDERLIES, AND ATTENDANTS	273	1 763	245	1 600	5	138	-	11	13	-	6	27
CLEANING AND BUILDING SERVICE OCCUPATIONS, EXCEPT HOUSEHOLD	4 773	2 049	4 272	1 713	315	215	36	5	32	5	228	208
SUPERVISORS, CLEANING AND BUILDING SERVICE WORKERS	265	70	239	64	13	6	-	-	6	-	15	-
MAIDS AND HOUSEMEN	103	649	103	551	-	57	-	-	-	-	-	78
JANITORS AND CLEANERS	4 341	1 328	3 866	1 096	302	152	36	5	26	5	213	130
ELEVATOR OPERATORS	9	-	9	-	-	-	-	-	-	-	-	-
PEST CONTROL OCCUPATIONS	55	2	55	2	-	-	-	-	-	-	-	-
PERSONAL SERVICE OCCUPATIONS	596	2 877	558	2 636	34	158	-	10	-	17	20	85
SUPERVISORS, PERSONAL SERVICE OCCUPATIONS	14	22	14	22	-	-	-	-	-	-	-	-
BARBERS	128	59	128	57	-	-	-	-	-	-	-	2
HAIRDRESSERS AND COSMETOLOGISTS	64	873	53	808	11	33	-	-	-	12	-	33
ATTENDANTS, AMUSEMENT AND RECREATION FACILITIES	72	24	72	24	-	-	-	-	-	-	-	-
GUIDES	7	15	7	15	-	-	-	-	-	-	-	-
USHERS	20	28	20	28	-	-	-	-	-	-	-	-
PUBLIC TRANSPORTATION ATTENDANTS	2	28	2	28	-	-	-	-	-	-	-	-
BAGGAGE PORTERS AND BELLHOPS	-	-	-	-	-	-	-	-	-	-	-	-
WELFARE SERVICE AIDES	15	51	11	32	4	6	-	2	-	-	5	11
CHILD CARE WORKERS, EXCEPT PRIVATE HOUSEHOLD	164	1 579	151	1 462	13	81	-	8	-	5	5	39
PERSONAL SERVICE OCCUPATIONS, N.E.C.	110	198	100	160	6	38	-	-	-	-	10	-
FARMING, FORESTRY, AND FISHING OCCUPATIONS	4 106	688	4 027	670	21	11	7	-	-	7	53	-
FARM OPERATORS AND MANAGERS	2 343	303	2 338	303	-	-	3	-	-	-	2	-
FARMERS, EXCEPT HORTICULTURAL	2 145	280	2 140	280	-	-	3	-	-	-	2	-
AGRICULTURAL PRODUCTION, CROPS	1 177	88	1 174	88	-	-	3	-	-	-	2	-
HORTICULTURAL SPECIALTY FARMERS	35	-	35	-	-	-	-	-	-	-	-	-
MANAGERS, FARMS, EXCEPT HORTICULTURAL	146	23	146	23	-	-	-	-	-	-	-	-
MANAGERS, HORTICULTURAL SPECIALTY FARMS	17	-	17	-	-	-	-	-	-	-	-	-
FARM OCCUPATIONS, EXCEPT MANAGERIAL	1 101	195	1 062	195	-	-	4	-	-	-	35	-
SUPERVISORS, FARM WORKERS	15	6	15	6	-	-	-	-	-	-	-	-
FARM WORKERS	1 050	182	1 011	182	-	-	4	-	-	-	35	-
AGRICULTURAL PRODUCTION, CROPS	476	69	448	69	-	-	-	-	-	-	28	-
MARINE LIFE CULTIVATION WORKERS	-	-	-	-	-	-	-	-	-	-	-	-
NURSERY WORKERS	36	7	36	7	-	-	-	-	-	-	-	-
RELATED AGRICULTURAL OCCUPATIONS	602	182	567	164	21	11	-	-	-	7	16	-
SUPERVISORS, RELATED AGRICULTURAL OCCUPATIONS	31	-	26	-	5	-	-	-	-	-	-	-
GROUNDSKEEPERS AND GARDENERS, EXCEPT FARM	482	61	458	49	10	6	-	-	-	6	16	-
ANIMAL CARETAKERS, EXCEPT FARM	89	111	83	105	6	5	-	-	-	1	-	-
GRADERS AND SORTERS, AGRICULTURAL PRODUCTS	-	10	-	10	-	-	-	-	-	-	-	-
INSPECTORS, AGRICULTURAL PRODUCTS	-	-	-	-	-	-	-	-	-	-	-	-
FORESTRY AND LOGGING OCCUPATIONS	50	2	50	2	-	-	-	-	-	-	-	-
SUPERVISORS, FORESTRY AND LOGGING WORKERS	8	-	8	-	-	-	-	-	-	-	-	-
FORESTRY WORKERS, EXCEPT LOGGING	-	-	-	-	-	-	-	-	-	-	-	-
TIMBER CUTTING AND LOGGING OCCUPATIONS	42	2	42	2	-	-	-	-	-	-	-	-
FISHERS, HUNTERS, AND TRAPPERS	10	6	10	6	-	-	-	-	-	-	-	-
CAPTAINS AND OTHER OFFICERS, FISHING VESSELS	-	-	-	-	-	-	-	-	-	-	-	-
FISHERS	10	-	10	-	-	-	-	-	-	-	-	-
HUNTERS AND TRAPPERS	-	6	-	6	-	-	-	-	-	-	-	-

(1) PERSONS OF SPANISH ORIGIN MAY BE OF ANY RACE.

TABLE 219. (B) DETAILED OCCUPATION OF EMPLOYED PERSONS BY SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

[DATA ARE ESTIMATES BASED ON A SAMPLE; SEE INTRODUCTION. FOR MEANING OF SYMBOLS, SEE INTRODUCTION. FOR DEFINITIONS OF TERMS, SEE APPENDIXES A AND B]

LANSING-EAST LANSING, MI SMSA	SMSA											
	TOTAL		WHITE		BLACK		AMERICAN INDIAN, ESKIMO AND ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS	21 341	1 458	20 389	1 370	588	45	81	10	85	16	386	54
MECHANICS AND REPAIRERS	7 583	272	7 291	244	185	21	13	-	22	-	118	10
SUPERVISORS, MECHANICS AND REPAIRERS	244	10	240	10	-	-	-	-	-	-	4	-
MECHANICS AND REPAIRERS, EXCEPT SUPERVISORS	7 339	262	7 051	234	185	21	13	-	22	-	114	10
VEHICLE AND MOBILE EQUIPMENT MECHANICS AND REPAIRERS	3 147	72	3 028	53	65	19	11	-	17	-	41	-
AUTOMOBILE MECHANICS	1 816	64	1 738	45	39	19	11	-	10	-	31	-
BUS, TRUCK, AND STATIONARY ENGINE MECHANICS	374	-	359	-	7	-	-	-	-	-	8	-
AIRCRAFT MECHANICS	113	2	106	2	-	-	-	-	7	-	-	-
SMALL ENGINE REPAIRERS	49	-	49	-	-	-	-	-	-	-	-	-
AUTOMOBILE BODY AND RELATED REPAIRERS	511	6	497	6	14	-	-	-	-	-	-	-
HEAVY EQUIPMENT MECHANICS	205	-	200	-	5	-	-	-	-	-	2	-
FARM EQUIPMENT MECHANICS	79	-	79	-	-	-	-	-	-	-	-	-
INDUSTRIAL MACHINERY REPAIRERS	1 175	9	1 144	9	25	-	-	-	-	-	12	-
MACHINERY MAINTENANCE OCCUPATIONS	88	-	83	-	-	-	-	-	5	-	-	-
ELECTRICAL AND ELECTRONIC EQUIPMENT REPAIRERS	950	124	918	115	17	2	-	-	-	-	19	10
ELECTRONIC REPAIRERS, COMMUNICATIONS AND INDUSTRIAL EQUIPMENT	231	19	231	19	-	-	-	-	-	-	-	-
DATA PROCESSING EQUIPMENT REPAIRERS	124	5	124	-	-	-	-	-	-	-	-	5
HOUSEHOLD APPLIANCE AND POWER TOOL REPAIRERS	105	-	105	-	-	-	-	-	-	-	2	-
TELEPHONE LINE INSTALLERS AND REPAIRERS	78	13	78	11	-	2	-	-	-	-	-	-
TELEPHONE INSTALLERS AND REPAIRERS	340	84	323	82	17	-	-	-	-	-	2	5
MISCELLANEOUS ELECTRICAL AND ELECTRONIC EQUIPMENT REPAIRERS	72	3	57	3	-	-	-	-	-	-	15	-
HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS	247	2	214	2	30	-	-	-	-	-	3	-
MISCELLANEOUS MECHANICS AND REPAIRERS	1 732	55	1 664	55	48	-	2	-	-	-	39	-
CAMERA, WATCH, AND MUSICAL INSTRUMENT REPAIRERS	62	4	62	4	-	-	-	-	-	-	-	-
LOCKSMITHS AND SAFE REPAIRERS	46	4	46	4	-	-	-	-	-	-	-	-
OFFICE MACHINE REPAIRERS	102	26	102	26	-	-	-	-	-	-	-	-
MECHANICAL CONTROLS AND VALVE REPAIRERS	76	-	74	-	-	-	2	-	-	-	-	-
ELEVATOR INSTALLERS AND REPAIRERS	24	-	24	-	-	-	-	-	-	-	-	-
MILLWRIGHTS	441	-	412	-	24	-	-	-	-	-	12	-
SPECIFIED MECHANICS AND REPAIRERS, N.E.C.	501	19	487	19	14	-	-	-	-	-	14	-
NOT SPECIFIED MECHANICS AND REPAIRERS	480	2	457	2	10	-	-	-	-	-	13	-
CONSTRUCTION TRADES	6 876	207	6 502	196	218	8	52	3	10	-	167	-
SUPERVISORS; CONSTRUCTION OCCUPATIONS	1 177	51	1 160	51	5	-	-	-	-	-	43	-
SUPERVISORS; BRICKMASONS, STONEMASONS, AND TILE SETTERS	15	-	15	-	-	-	-	-	-	-	-	-
SUPERVISORS; CARPENTERS AND RELATED WORKERS	71	-	71	-	-	-	-	-	-	-	5	-
SUPERVISORS; ELECTRICIANS AND POWER TRANSMISSION INSTALLERS	63	-	63	-	-	-	-	-	-	-	-	-
SUPERVISORS; PAINTERS, PAPERHANGERS, AND PLASTERERS	13	5	13	5	-	-	-	-	-	-	-	-
SUPERVISORS; PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	16	16	16	16	-	-	-	-	-	-	-	-
SUPERVISORS; N.E.C.	999	30	982	30	5	-	-	-	-	-	38	-
CONSTRUCTION TRADES, EXCEPT SUPERVISORS	5 699	156	5 342	145	213	8	52	3	10	-	124	-
BRICKMASONS AND STONEMASONS	292	5	274	5	11	-	-	-	-	-	9	-
TILE SETTERS, HARD AND SOFT	39	-	39	-	-	-	-	-	-	-	10	-
CARPET INSTALLERS	111	8	111	-	-	8	-	-	-	-	-	-
CARPENTERS	1 619	41	1 557	41	23	-	13	-	4	-	35	-
DRYWALL INSTALLERS	100	2	98	2	-	-	-	-	-	-	2	-
ELECTRICIANS	1 213	24	1 117	24	75	-	1	-	6	-	16	-
ELECTRICAL POWER INSTALLERS AND REPAIRERS	130	2	124	2	6	-	-	-	-	-	-	-
PAINTERS, CONSTRUCTION AND MAINTENANCE	561	41	529	41	7	-	12	-	-	-	13	-
PAPERHANGERS	6	13	6	13	-	-	-	-	-	-	-	-
PLASTERERS	72	-	72	-	-	-	-	-	-	-	-	-
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	880	-	811	-	49	-	14	-	-	-	10	-
CONCRETE AND TERRAZZO FINISHERS	60	-	46	-	12	-	-	-	-	-	2	-
GLAZIERS	64	4	64	4	-	-	-	-	-	-	-	-
INSULATION WORKERS	65	3	59	-	-	-	6	3	-	-	-	-
PAVING, SURFACING, AND TAMPING EQUIPMENT OPERATORS	5	-	5	-	-	-	-	-	-	-	-	-
ROOFERS	131	-	119	-	-	-	-	-	-	-	12	-
SHEETMETAL DUCT INSTALLERS	25	-	25	-	-	-	-	-	-	-	-	-
STRUCTURAL METAL WORKERS	109	6	103	6	-	-	6	-	-	-	7	-
DRILLERS, EARTH	68	-	55	-	13	-	-	-	-	-	-	-
CONSTRUCTION TRADES, N.E.C.	149	7	128	7	17	-	-	-	-	-	8	-
EXTRACTIVE OCCUPATIONS	57	-	53	-	-	-	4	-	-	-	-	-
SUPERVISORS, EXTRACTIVE OCCUPATIONS	25	-	25	-	-	-	-	-	-	-	-	-
DRILLERS, OIL WELL	14	-	14	-	-	-	-	-	-	-	-	-
EXPLOSIVES WORKERS	14	-	10	-	-	-	4	-	-	-	-	-
MINING MACHINE OPERATORS	2	-	2	-	-	-	-	-	-	-	-	-
MINING OCCUPATIONS, N.E.C.	2	-	2	-	-	-	-	-	-	-	-	-

(1) PERSONS OF SPANISH ORIGIN MAY BE OF ANY RACE.

TABLE 219. (B) DETAILED OCCUPATION OF EMPLOYED PERSONS BY SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

[DATA ARE ESTIMATES BASED ON A SAMPLE; SEE INTRODUCTION. FOR MEANING OF SYMBOLS, SEE INTRODUCTION. FOR DEFINITIONS OF TERMS, SEE APPENDIXES A AND B]

LANSING-EAST LANSING, MI SMSA

	SMSA											
	TOTAL		WHITE		BLACK		AMERICAN INDIAN, ESKIMO AND ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
PRECISION PRODUCTION OCCUPATIONS	6 825	979	6 543	930	185	16	12	7	53	16	101	44
SUPERVISORS, PRODUCTION OCCUPATIONS	3 183	275	3 024	260	114	7	10	7	19	-	22	17
NONDURABLE GOODS MANUFACTURING	301	32	299	31	2	-	-	-	-	-	-	1
DURABLE GOODS MANUFACTURING	2 113	120	1 978	106	112	7	2	7	10	-	11	16
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	258	20	258	20	-	-	-	-	-	-	-	-
WHOLESALE AND RETAIL TRADE	331	74	317	74	-	-	-	-	9	-	5	-
ALL OTHER INDUSTRIES	180	29	172	29	-	-	8	-	-	-	6	-
PRECISION METALWORKING OCCUPATIONS	2 261	52	2 189	52	41	-	2	-	15	-	50	-
TOOL AND DIE MAKERS	1 111	24	1 077	24	23	-	-	-	-	-	26	-
PRECISION ASSEMBLERS, METAL	42	-	42	-	-	-	-	-	-	-	-	-
MACHINISTS	657	21	627	21	16	-	2	-	9	-	20	-
BOILERMAKERS	41	-	39	-	2	-	-	-	-	-	-	-
PRECISION GRINDERS, FILERS, AND TOOL SHARPENERS	56	-	56	-	-	-	-	-	-	-	-	-
PATTERNMAKERS AND MODEL MAKERS, METAL	33	-	33	-	-	-	-	-	-	-	-	-
LAY-OUT WORKERS	33	-	27	-	-	-	-	-	6	-	-	-
PRECIOUS STONES AND METALS WORKERS (JEWELERS)	11	7	11	7	-	-	-	-	-	-	4	-
ENGRAVERS, METAL	-	-	-	-	-	-	-	-	-	-	-	-
SHEET METAL WORKERS	265	-	265	-	-	-	-	-	-	-	-	-
MISCELLANEOUS PRECISION METAL WORKERS	12	-	12	-	-	-	-	-	-	-	-	-
PRECISION WOODWORKING OCCUPATIONS	138	15	138	15	-	-	-	-	-	-	-	-
PATTERNMAKERS AND MODEL MAKERS, WOOD	54	-	54	-	-	-	-	-	-	-	-	-
CABINET MAKERS AND BENCH CARPENTERS	61	9	61	9	-	-	-	-	-	-	-	-
FURNITURE AND WOOD FINISHERS	19	6	19	6	-	-	-	-	-	-	-	-
MISCELLANEOUS PRECISION WOODWORKERS	4	-	4	-	-	-	-	-	-	-	-	-
PRECISION TEXTILE, APPAREL, AND FURNISHINGS MACHINE WORKERS	103	222	94	201	-	-	-	-	9	16	9	23
DRESSMAKERS	9	115	9	94	-	-	-	-	-	16	-	15
TAILORS	23	42	14	42	-	-	-	-	9	-	9	8
UPHOLSTERERS	71	57	71	57	-	-	-	-	-	-	-	-
SHOE REPAIRERS	-	2	-	2	-	-	-	-	-	-	-	-
APPAREL AND FABRIC PATTERNMAKERS	-	-	-	-	-	-	-	-	-	-	-	-
MISCELLANEOUS PRECISION APPAREL AND FABRIC WORKERS	-	6	-	6	-	-	-	-	-	-	-	-
PRECISION WORKERS, ASSORTED MATERIALS	206	164	194	155	5	9	-	-	7	-	4	-
HAND MOLDERS AND SHAPERS, EXCEPT JEWELERS	11	5	11	5	-	-	-	-	-	-	2	-
PATTERNMAKERS, LAY-OUT WORKERS, AND CUTTERS	8	9	8	9	-	-	-	-	-	-	-	-
OPTICAL GOODS WORKERS	58	42	51	42	-	-	-	-	7	-	-	-
DENTAL LABORATORY AND MEDICAL APPLIANCE TECHNICIANS	75	56	75	47	-	9	-	-	-	-	-	-
BOOKBINDERS	19	23	19	23	-	-	-	-	-	-	-	-
ELECTRICAL AND ELECTRONIC EQUIPMENT ASSEMBLERS	2	2	2	2	-	-	-	-	-	-	-	-
MISCELLANEOUS PRECISION WORKERS, N.E.C.	33	27	28	27	5	-	-	-	-	-	2	-
PRECISION FOOD PRODUCTION OCCUPATIONS	393	210	377	206	14	-	-	-	-	-	10	4
BUTCHERS AND MEAT CUTTERS	297	25	290	25	5	-	-	-	-	-	10	-
BAKERS	92	178	83	174	9	-	-	-	-	-	-	4
FOOD BATCHMAKERS	4	7	4	7	-	-	-	-	-	-	-	-
PRECISION INSPECTORS, TESTERS, AND RELATED WORKERS	195	27	195	27	-	-	-	-	-	-	-	-
INSPECTORS, TESTERS, AND GRADERS	195	27	195	27	-	-	-	-	-	-	-	-
ADJUSTERS AND CALIBRATORS	-	-	-	-	-	-	-	-	-	-	-	-
PLANT AND SYSTEM OPERATORS	346	14	332	14	11	-	-	-	3	-	6	-
WATER AND SEWAGE TREATMENT PLANT OPERATORS	91	-	87	-	4	-	-	-	-	-	-	-
POWER PLANT OPERATORS	70	5	70	5	-	-	-	-	-	-	6	-
STATIONARY ENGINEERS	157	9	150	9	7	-	-	-	-	-	-	-
MISCELLANEOUS PLANT AND SYSTEM OPERATORS	28	-	25	-	-	-	-	-	3	-	-	-
OPERATORS, FABRICATORS, AND LABORERS	28 922	7 743	26 494	6 965	1 576	601	211	31	67	32	1 048	257
MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS	16 238	5 372	14 711	4 716	1 012	500	97	22	43	20	729	222
MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION	7 750	2 574	7 204	2 342	352	126	31	18	25	20	252	127
METALWORKING AND PLASTIC WORKING MACHINE OPERATORS	2 958	518	2 785	467	122	47	6	-	5	-	95	15
LATHE AND TURNING MACHINE SET-UP OPERATORS	302	4	286	4	7	-	-	-	-	-	13	-
LATHE AND TURNING MACHINE OPERATORS	314	54	299	47	11	7	4	-	-	-	4	-
MILLING AND PLANING MACHINE OPERATORS	57	4	57	2	-	2	-	-	-	-	-	-
PUNCHING AND STAMPING PRESS MACHINE OPERATORS	846	256	785	224	39	28	2	-	5	-	54	4
ROLLING MACHINE OPERATORS	29	16	29	16	-	-	-	-	-	-	-	9
DRILLING AND BORING MACHINE OPERATORS	118	57	111	57	7	-	-	-	-	-	-	-
GRINDING, ABRADING, BUFFING, AND POLISHING MACHINE OPERATORS	926	118	890	108	29	10	-	-	-	-	12	2
FORGING MACHINE OPERATORS	167	-	142	-	25	-	-	-	-	-	-	-
NUMERICAL CONTROL MACHINE OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-
MISCELLANEOUS METAL, PLASTIC, STONE, AND GLASS WORKING MACHINE OPERATORS	199	9	186	9	4	-	-	-	-	-	12	-

(1) PERSONS OF SPANISH ORIGIN MAY BE OF ANY RACE.

TABLE 219. (B) DETAILED OCCUPATION OF EMPLOYED PERSONS BY SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

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LANSING-EAST LANSING, MI SMSA

	SMSA											
	TOTAL		WHITE		BLACK		AMERICAN INDIAN, ESKIMO AND ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
FABRICATING MACHINE OPERATORS, N.E.C.	11	3	11	3	-	-	-	-	-	-	-	-
METAL AND PLASTIC PROCESSING MACHINE OPERATORS	330	123	298	123	15	-	2	-	-	-	15	-
MOLDING AND CASTING MACHINE OPERATORS	118	118	118	118	-	-	-	-	-	-	-	-
METAL PLATING MACHINE OPERATORS	101	5	85	5	7	-	-	-	-	-	9	-
HEAT TREATING EQUIPMENT OPERATORS	101	-	91	-	8	-	2	-	-	-	-	-
MISCELLANEOUS METAL AND PLASTIC PROCESSING MACHINE OPERATORS	10	-	4	-	-	-	-	-	-	-	6	-
WOODWORKING MACHINE OPERATORS	126	21	117	12	-	4	-	-	9	-	-	8
WOOD LATHE, ROUTING, AND PLANING MACHINE OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-
SAWING MACHINE OPERATORS	96	11	87	7	-	4	-	-	9	-	-	-
SHAPING AND JOINING MACHINE OPERATORS	6	5	6	-	-	-	-	-	-	-	-	5
NAILING AND TACKING MACHINE OPERATORS	9	-	9	-	-	-	-	-	-	-	-	-
MISCELLANEOUS WOODWORKING MACHINE OPERATORS	15	5	15	5	-	-	-	-	-	-	-	3
PRINTING MACHINE OPERATORS	498	340	480	334	16	-	-	5	-	-	4	1
PRINTING MACHINE OPERATORS	392	119	374	114	16	-	-	5	-	-	4	-
PHOTOENGRAVERS AND LITHOGRAPHERS	39	-	39	-	-	-	-	-	-	-	-	-
TYPESETTERS AND COMPOSITORS	58	141	58	140	-	-	-	-	-	-	-	1
MISCELLANEOUS PRINTING MACHINE OPERATORS	9	80	9	80	-	-	-	-	-	-	-	-
TEXTILE, APPAREL, AND FURNISHINGS MACHINE OPERATORS	157	399	143	348	6	10	-	-	-	16	-	48
WINDING AND TWISTING MACHINE OPERATORS	13	6	13	6	-	-	-	-	-	-	-	-
KNITTING, LOOPING, TAPING, AND WEAVING MACHINE OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-
TEXTILE CUTTING MACHINE OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-
TEXTILE SEWING MACHINE OPERATORS	14	150	14	145	-	-	-	-	-	5	-	19
SHOE MACHINE OPERATORS	2	-	2	-	-	-	-	-	-	-	-	-
PRESSING MACHINE OPERATORS	2	42	2	42	-	-	-	-	-	-	-	-
LAUNDERING AND DRY CLEANING MACHINE OPERATORS	119	194	105	148	6	10	-	-	-	11	-	29
MISCELLANEOUS TEXTILE MACHINE OPERATORS	7	7	7	7	-	-	-	-	-	-	-	-
MACHINE OPERATORS, ASSORTED MATERIALS	3 670	1 170	3 370	1 055	193	65	23	13	11	4	138	55
CEMENTING AND GLUING MACHINE OPERATORS	55	27	48	18	-	9	-	-	-	-	14	-
PACKAGING AND FILLING MACHINE OPERATORS	48	74	48	74	-	-	-	-	-	-	-	8
EXTRUDING AND FORMING MACHINE OPERATORS	42	-	42	-	-	-	-	-	-	-	-	-
MIXING AND BLENDING MACHINE OPERATORS	118	16	112	16	6	-	-	-	-	-	8	-
SEPARATING, FILTERING, AND CLARIFYING MACHINE OPERATORS	25	-	25	-	-	-	-	-	-	-	-	-
COMPRESSING AND COMPACTING MACHINE OPERATORS	21	-	21	-	-	-	-	-	-	-	-	-
PAINTING AND PAINT SPRAYING MACHINE OPERATORS	416	112	382	87	28	16	4	-	-	2	2	7
ROASTING AND BAKING MACHINE OPERATORS, FOOD	2	-	2	-	-	-	-	-	-	-	-	-
WASHING, CLEANING, AND PICKLING MACHINE OPERATORS	1	-	1	-	-	-	-	-	-	-	-	-
FOLDING MACHINE OPERATORS	17	11	13	10	4	-	-	1	-	-	-	-
FURNACE, KILN, AND OVEN OPERATORS, EXCEPT FOOD	241	5	230	5	11	-	-	-	-	-	-	-
CRUSHING AND GRINDING MACHINE OPERATORS	43	-	43	-	-	-	-	-	-	-	-	-
SLICING AND CUTTING MACHINE OPERATORS	218	48	196	29	18	-	-	6	-	-	12	13
MOTION PICTURE PROJECTIONISTS	70	30	70	30	-	-	-	-	-	-	-	-
PHOTOGRAPHIC PROCESS MACHINE OPERATORS	82	81	78	74	-	7	-	-	-	-	4	-
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS	2 271	766	2 059	712	126	33	19	6	11	2	98	27
OCCUPATION:												
MISCELLANEOUS MACHINE OPERATORS, N.E.C.	619	205	572	196	23	-	8	-	-	-	18	16
MACHINE OPERATORS, NOT SPECIFIED	1 652	561	1 487	516	103	33	11	6	11	2	80	11
INDUSTRY:												
MANUFACTURING	2 022	618	1 835	582	112	27	8	1	11	2	95	8
NONDURABLE GOODS	290	154	279	146	9	7	-	1	-	-	2	-
FOOD AND KINDRED PRODUCTS	142	22	133	22	9	-	-	-	-	-	-	-
TOBACCO MANUFACTURES	-	-	-	-	-	-	-	-	-	-	-	-
TEXTILE MILL PRODUCTS	7	-	7	-	-	-	-	-	-	-	-	-
APPAREL AND OTHER FINISHED TEXTILE PRODUCTS	9	16	9	16	-	-	-	-	-	-	-	-
PAPER AND ALLIED PRODUCTS	15	12	15	12	-	-	-	-	-	-	-	-
PRINTING, PUBLISHING, AND ALLIED INDUSTRIES	18	30	16	23	-	7	-	-	-	-	2	-
CHEMICALS AND ALLIED PRODUCTS	16	35	16	34	-	-	-	1	-	-	-	-
PETROLEUM AND COAL PRODUCTS	-	-	-	-	-	-	-	-	-	-	-	-
RUBBER AND MISCELLANEOUS PLASTICS PRODUCTS	83	39	83	39	-	-	-	-	-	-	-	-
LEATHER AND LEATHER PRODUCTS	-	-	-	-	-	-	-	-	-	-	-	-
DURABLE GOODS	1 721	458	1 545	430	103	20	8	-	11	2	93	8
LUMBER AND WOOD PRODUCTS, EXCEPT FURNITURE	10	-	10	-	-	-	-	-	-	-	-	-
FURNITURE AND FIXTURES	17	6	17	6	-	-	-	-	-	-	-	-
STONE, CLAY, GLASS, AND CONCRETE PRODUCTS	76	37	76	37	-	-	-	-	-	-	5	2
PRIMARY METAL INDUSTRIES	75	56	75	54	-	-	-	-	-	-	-	2
BLAST FURNACES, STEELWORKS, ROLLING AND FINISHING MILLS	1	-	1	-	-	-	-	-	-	-	-	-

(1) PERSONS OF SPANISH ORIGIN MAY BE OF ANY RACE.

TABLE 219. (B) DETAILED OCCUPATION OF EMPLOYED PERSONS BY SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

[DATA ARE ESTIMATES BASED ON A SAMPLE; SEE INTRODUCTION. FOR MEANING OF SYMBOLS, SEE INTRODUCTION. FOR DEFINITIONS OF TERMS, SEE APPENDIXES A AND B]

LANSING-EAST LANSING, MI SMSA

	SMSA											
	TOTAL		WHITE		BLACK		AMERICAN INDIAN, ESKIMO AND ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS-CON.												
INDUSTRY-CON.												
FABRICATED METAL INDUSTRIES	199	90	167	90	18	-	-	-	-	-	14	-
MACHINERY, EXCEPT ELECTRICAL	328	64	308	64	6	-	-	-	8	-	6	-
ELECTRICAL MACHINERY, EQUIPMENT, AND SUPPLIES	28	8	28	8	-	-	-	-	-	-	-	-
TRANSPORTATION EQUIPMENT	965	178	847	152	73	20	8	-	3	2	68	4
MOTOR VEHICLES AND MOTOR VEHICLE EQUIPMENT	953	175	835	149	73	20	8	-	3	2	68	4
OTHER TRANSPORTATION EQUIPMENT	12	3	12	3	-	-	-	-	-	-	-	-
PROFESSIONAL AND PHOTOGRAPHIC EQUIPMENT, AND WATCHES	7	8	7	8	-	-	-	-	-	-	-	-
MISCELLANEOUS MANUFACTURING INDUSTRIES	16	11	10	11	6	-	-	-	-	-	-	-
NOT SPECIFIED MANUFACTURING INDUSTRIES	11	6	11	6	-	-	-	-	-	-	-	-
NONMANUFACTURING INDUSTRIES	249	148	224	130	14	6	11	5	-	-	3	19
CONSTRUCTION	46	6	46	6	-	-	-	-	-	-	-	-
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	24	9	24	2	-	-	-	-	-	-	-	7
WHOLESALE TRADE	18	11	18	11	-	-	-	-	-	-	-	-
RETAIL TRADE	59	13	59	13	-	-	-	-	-	-	-	-
BUSINESS AND REPAIR SERVICES	28	22	17	22	-	-	11	-	-	-	-	-
PUBLIC ADMINISTRATION	6	47	6	36	-	6	-	5	-	-	3	5
ALL OTHER INDUSTRIES	68	40	54	40	14	-	-	-	-	-	-	7
FABRICATORS, ASSEMBLERS, AND HAND WORKING OCCUPATIONS	6 561	1 987	5 738	1 672	575	277	30	2	8	-	416	79
WELDERS AND CUTTERS	1 349	105	1 236	94	89	9	7	2	-	-	46	-
SOLDERERS AND BRAZERS	11	9	11	9	-	-	-	-	-	-	-	-
ASSEMBLERS	5 138	1 856	4 431	1 552	486	268	23	-	8	-	367	79
HAND CUTTING AND TRIMMING OCCUPATIONS	7	-	7	-	-	-	-	-	-	-	-	-
HAND MOLDING, CASTING, AND FORMING OCCUPATIONS	4	9	4	9	-	-	-	-	-	-	-	-
HAND PAINTING, COATING AND DECORATING OCCUPATIONS	43	8	43	8	-	-	-	-	-	-	-	-
HAND ENGRAVING AND PRINTING OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-
HAND GRINDING AND POLISHING OCCUPATIONS	5	-	2	-	-	-	-	-	-	-	3	-
MISCELLANEOUS HAND WORKING OCCUPATIONS	4	-	4	-	-	-	-	-	-	-	-	-
PRODUCTION INSPECTORS, TESTERS, SAMPLERS, AND WEIGHERS	1 927	811	1 769	702	85	97	36	2	10	-	61	16
PRODUCTION INSPECTORS, CHECKERS, AND EXAMINERS	1 798	763	1 654	660	79	91	36	2	2	-	59	14
PRODUCTION TESTERS	48	8	42	8	6	-	-	-	-	-	2	-
PRODUCTION SAMPLERS AND WEIGHERS	13	-	13	-	-	-	-	-	-	-	-	-
GRADERS AND SORTERS, EXCEPT AGRICULTURAL	68	40	60	34	-	6	-	-	8	-	-	2
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	7 379	1 176	6 846	1 108	346	59	91	9	9	-	152	19
MOTOR VEHICLE OPERATORS	4 908	1 048	4 568	1 011	217	28	74	9	9	-	77	14
SUPERVISORS, MOTOR VEHICLE OPERATORS	35	2	35	2	-	-	-	-	-	-	-	-
TRUCK DRIVERS, HEAVY	2 794	90	2 635	71	104	10	30	9	-	-	38	-
TRUCK DRIVERS, LIGHT	1 030	131	959	131	30	-	32	-	9	-	8	-
DRIVER-SALES WORKERS	331	20	320	20	11	-	-	-	-	-	-	-
BUS DRIVERS	230	725	193	718	34	7	-	-	-	-	3	14
TAXICAB DRIVERS AND CHAUFFEURS	393	80	355	69	21	11	5	-	-	-	28	-
PARKING LOT ATTENDANTS	81	-	64	-	17	-	-	-	-	-	-	-
MOTOR TRANSPORTATION OCCUPATIONS, N.E.C.	14	-	7	-	-	-	7	-	-	-	-	-
RAIL TRANSPORTATION OCCUPATIONS	125	2	120	2	2	-	-	-	-	-	3	-
RAILROAD CONDUCTORS AND YARDMASTERS	68	-	65	-	-	-	-	-	-	-	3	-
LOCOMOTIVE OPERATING OCCUPATIONS	21	2	21	2	-	-	-	-	-	-	-	-
RAILROAD BRAKE, SIGNAL, AND SWITCH OPERATORS	30	-	28	-	2	-	-	-	-	-	-	-
RAIL VEHICLE OPERATORS, N.E.C.	6	-	6	-	-	-	-	-	-	-	-	-
WATER TRANSPORTATION OCCUPATIONS	8	-	8	-	-	-	-	-	-	-	-	-
SHIP CAPTAINS AND MATES, EXCEPT FISHING BOATS	2	-	2	-	-	-	-	-	-	-	-	-
SAILORS AND DECKHANDS	6	-	6	-	-	-	-	-	-	-	-	-
MARINE ENGINEERS	-	-	-	-	-	-	-	-	-	-	-	-
BRIDGE, LOCK, AND LIGHTHOUSE TENDERS	-	-	-	-	-	-	-	-	-	-	-	-
MATERIAL MOVING EQUIPMENT OPERATORS	2 338	126	2 150	95	127	31	17	-	-	-	72	5
SUPERVISORS, MATERIAL MOVING EQUIPMENT OPERATORS	48	-	40	-	8	-	-	-	-	-	-	-
OPERATING ENGINEERS	262	10	248	10	9	-	-	-	-	-	5	-
LONGSHORE EQUIPMENT OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-
HOIST AND WINCH OPERATORS	29	-	29	-	-	-	-	-	-	-	-	-
CRANE AND TOWER OPERATORS	109	11	101	11	7	-	-	-	-	-	1	-
EXCAVATING AND LOADING MACHINE OPERATORS	52	-	52	-	-	-	-	-	-	-	-	-
GRADER, DOZER, AND SCRAPER OPERATORS	91	-	91	-	-	-	-	-	-	-	-	-
INDUSTRIAL TRUCK AND TRACTOR EQUIPMENT OPERATORS	1 277	57	1 197	37	63	20	-	-	-	-	19	5
MISCELLANEOUS MATERIAL MOVING EQUIPMENT OPERATORS	470	48	392	37	40	11	17	-	-	-	47	-

(1) PERSONS OF SPANISH ORIGIN MAY BE OF ANY RACE.

TABLE 219. (B) DETAILED OCCUPATION OF EMPLOYED PERSONS BY SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

[DATA ARE ESTIMATES BASED ON A SAMPLE; SEE INTRODUCTION. FOR MEANING OF SYMBOLS, SEE INTRODUCTION. FOR DEFINITIONS OF TERMS, SEE APPENDIXES A AND B]

LANSING-EAST LANSING, MI SMSA

	SMSA											
	TOTAL		WHITE		BLACK		AMERICAN INDIAN, ESKIMO AND ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS.	5 305	1 195	4 937	1 141	218	42	23	-	15	12	167	16
SUPERVISORS; HANDLERS, EQUIPMENT CLEANERS, AND LABORERS, N.E.C.. . . .	4	-	4	-	-	-	-	-	-	-	-	-
HELPERS, MECHANICS AND REPAIRERS . . .	24	-	24	-	-	-	-	-	-	-	-	-
HELPERS, CONSTRUCTION AND EXTRACTIVE OCCUPATIONS.	64	4	58	4	-	-	-	-	-	-	-	-
HELPERS, CONSTRUCTION TRADES.	54	2	48	2	-	-	-	-	-	-	-	-
HELPERS, SURVEYOR	10	2	10	2	-	-	-	-	-	-	-	-
HELPERS, EXTRACTIVE OCCUPATIONS . . .	-	-	-	-	-	-	-	-	-	-	-	-
CONSTRUCTION LABORERS.	784	12	730	12	32	-	6	-	-	-	26	-
PRODUCTION HELPERS	70	26	66	26	4	-	-	-	-	-	5	-
FREIGHT, STOCK, AND MATERIAL HANDLERS.	2 253	357	2 092	347	104	5	12	-	9	5	62	9
GARBAGE COLLECTORS.	59	2	59	2	-	-	-	-	-	-	-	-
STEVEDORES.	-	-	-	-	-	-	-	-	-	-	-	-
STOCK HANDLERS AND BAGGERS.	1 502	295	1 385	295	76	-	5	-	5	-	50	9
MACHINE FEEDERS AND OFFBEARERS. . . .	95	30	95	30	-	-	-	-	-	-	5	-
FREIGHT, STOCK, AND MATERIAL HANDLERS, N.E.C.	597	30	553	20	28	5	7	-	4	5	7	-
GARAGE AND SERVICE STATION RELATED OCCUPATIONS	515	83	492	83	-	-	-	-	2	-	23	-
VEHICLE WASHERS AND EQUIPMENT CLEANERS.	279	51	270	51	-	-	-	-	-	-	8	-
HAND PACKERS AND PACKAGERS	202	486	196	460	3	19	3	-	-	7	16	2
LABORERS, EXCEPT CONSTRUCTION.	1 110	176	1 005	158	75	18	2	-	4	-	27	5
MANUFACTURING	472	92	403	76	48	16	2	-	4	-	18	-
NONDURABLE GOODS	97	38	78	38	14	-	-	-	-	-	8	-
FOOD AND KINDRED PRODUCTS	61	14	56	14	-	-	-	-	-	-	8	-
TEXTILE MILL AND FINISHED TEXTILE PRODUCTS	-	-	-	-	-	-	-	-	-	-	-	-
PAPER AND ALLIED PRODUCTS	4	6	4	6	-	-	-	-	-	-	-	-
CHEMICALS AND ALLIED PRODUCTS . . .	-	10	-	10	-	-	-	-	-	-	-	-
RUBBER AND MISCELLANEOUS PLASTICS PRODUCTS.	11	-	11	-	-	-	-	-	-	-	-	-
OTHER NONDURABLE GOODS.	21	8	7	8	14	-	-	-	-	-	-	-
DURABLE GOODS.	363	54	313	38	34	16	2	-	4	-	10	-
FURNITURE, LUMBER, AND WOOD PRODUCTS	13	2	10	2	3	-	-	-	-	-	-	-
STONE, CLAY, GLASS, AND CONCRETE PRODUCTS	20	7	9	7	7	-	-	-	4	-	-	-
PRIMARY METAL INDUSTRIES.	6	2	6	2	-	-	-	-	-	-	-	-
FABRICATED METAL INDUSTRIES	25	-	25	-	-	-	-	-	-	-	-	-
MACHINERY, EXCEPT ELECTRICAL. . . .	34	13	34	13	-	-	-	-	-	-	-	-
ELECTRICAL MACHINERY, EQUIPMENT, AND SUPPLIES	-	6	-	-	-	6	-	-	-	-	-	-
TRANSPORTATION EQUIPMENT.	260	24	224	14	24	10	2	-	-	-	10	-
MOTOR VEHICLES AND MOTOR VEHICLE EQUIPMENT	254	24	218	14	24	10	2	-	-	-	10	-
OTHER DURABLE GOODS	5	-	5	-	-	-	-	-	-	-	-	-
NOT SPECIFIED MANUFACTURING INDUSTRIES.	12	-	12	-	-	-	-	-	-	-	-	-
NONMANUFACTURING INDUSTRIES	638	84	602	82	27	2	-	-	-	-	9	5
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES.	120	2	106	2	14	-	-	-	-	-	-	-
WHOLESALE TRADE.	186	37	176	37	1	-	-	-	-	-	9	-
RETAIL TRADE	136	21	128	19	8	2	-	-	-	-	-	-
BUSINESS AND REPAIR SERVICES	44	-	40	-	4	-	-	-	-	-	-	-
PUBLIC ADMINISTRATION.	69	4	69	4	-	-	-	-	-	-	-	-
ALL OTHER INDUSTRIES	83	20	83	20	-	-	-	-	-	-	-	5

(1) PERSONS OF SPANISH ORIGIN MAY BE OF ANY RACE.

TABLE 219. (B) DETAILED OCCUPATION OF EMPLOYED PERSONS BY SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

[DATA ARE ESTIMATES BASED ON A SAMPLE; SEE INTRODUCTION. FOR MEANING OF SYMBOLS, SEE INTRODUCTION. FOR DEFINITIONS OF TERMS, SEE APPENDIXES A AND B]

TOLEDO, OH-MI SMSA

	SMSA											
	TOTAL		WHITE		BLACK		AMERICAN INDIAN, ESKIMO AND ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
EMPLOYED PERSONS 16 YEARS AND OVER	187 945	136 000	174 461	123 619	10 378	10 445	392	243	890	630	3 660	2 378
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS	41 263	28 567	39 046	26 303	1 424	1 910	68	75	594	155	399	270
EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS	22 317	8 627	21 428	8 025	705	478	23	35	120	54	162	84
LEGISLATORS, CHIEF EXECUTIVES AND GENERAL ADMINISTRATORS; PUBLIC ADMINISTRATION	82	52	58	40	24	12	-	-	-	-	-	-
ADMINISTRATORS AND OFFICIALS, PUBLIC ADMINISTRATION	353	239	330	189	23	38	-	4	-	-	-	8
FEDERAL	55	40	55	26	-	14	-	-	-	-	-	-
STATE	75	38	69	25	6	13	-	-	-	-	-	-
LOCAL	223	161	206	138	17	11	-	4	-	-	-	8
ADMINISTRATORS, PROTECTIVE SERVICES	82	8	82	8	-	-	-	-	-	-	-	-
FINANCIAL MANAGERS	954	449	942	433	7	16	-	-	5	-	13	-
PERSONNEL AND LABOR RELATIONS MANAGERS	451	236	440	232	11	4	-	-	-	-	-	-
PURCHASING MANAGERS	195	46	195	46	-	-	-	-	-	-	-	-
MANAGERS, MARKETING, ADVERTISING, AND PUBLIC RELATIONS	2 148	412	2 070	396	70	10	-	-	8	6	13	14
ADMINISTRATORS, EDUCATION AND RELATED FIELDS	816	573	751	500	53	73	-	-	12	-	9	-
MANAGERS, MEDICINE AND HEALTH	198	172	189	145	9	19	-	-	-	-	-	8
MANAGERS, PROPERTIES AND REAL ESTATE	224	202	208	183	16	13	-	6	-	-	-	-
POSTMASTERS AND MAIL SUPERINTENDENTS	41	26	41	26	-	-	-	-	-	-	-	-
FUNERAL DIRECTORS	127	12	110	12	17	-	-	-	-	-	-	-
MANAGERS AND ADMINISTRATORS, N.E.C., SALARIED	11 178	3 568	10 830	3 390	258	110	6	25	57	29	86	32
CONSTRUCTION	643	72	643	72	-	-	-	-	-	-	5	-
MANUFACTURING	3 491	311	3 451	311	34	-	-	-	6	-	3	-
NONDURABLE GOODS	1 011	122	1 006	122	5	-	-	-	-	-	-	-
DURABLE GOODS	2 480	189	2 445	189	29	-	-	-	6	-	3	-
TRANSPORTATION	706	57	694	57	12	-	-	-	-	-	20	-
COMMUNICATIONS, UTILITIES AND SANITARY SERVICES	417	54	388	49	16	5	-	-	13	-	-	-
WHOLESALE TRADE	997	166	981	166	16	-	-	-	-	-	-	-
RETAIL TRADE	2 304	1 425	2 199	1 361	68	30	-	7	26	17	27	16
GENERAL MERCHANDISE STORES	248	138	241	121	7	-	-	-	-	17	-	-
FOOD, BAKERY, AND DAIRY STORES	194	111	194	111	-	-	-	-	-	-	-	-
AUTOMOTIVE DEALERS AND GASOLINE STATIONS	342	62	328	62	-	-	-	-	8	-	6	-
EATING AND DRINKING PLACES	817	834	746	794	48	30	-	-	18	-	21	16
OTHER RETAIL TRADE	703	280	690	273	13	-	-	7	-	-	-	-
FINANCE, INSURANCE, AND REAL ESTATE	441	245	429	235	12	10	-	-	-	-	5	-
BUSINESS AND REPAIR SERVICES	537	114	521	114	10	-	-	-	6	-	-	-
PERSONAL SERVICES	238	198	238	192	-	6	-	-	-	-	-	-
ALL OTHER INDUSTRIES	1 404	926	1 286	833	90	59	6	18	6	12	26	16
MANAGERS AND ADMINISTRATORS, N.E.C., SELF-EMPLOYED	1 059	449	1 032	439	27	5	-	-	-	5	-	-
CONSTRUCTION	226	2	212	2	14	-	-	-	-	-	-	-
MANUFACTURING	117	33	110	33	7	-	-	-	-	-	-	-
NONDURABLE GOODS	68	27	61	27	7	-	-	-	-	-	-	-
DURABLE GOODS	49	6	49	6	-	-	-	-	-	-	-	-
TRANSPORTATION	16	6	16	6	-	-	-	-	-	-	-	-
COMMUNICATIONS, UTILITIES AND SANITARY SERVICES	6	-	6	-	-	-	-	-	-	-	-	-
WHOLESALE TRADE	34	11	34	11	-	-	-	-	-	-	-	-
RETAIL TRADE	365	219	365	209	-	5	-	-	-	5	-	-
GENERAL MERCHANDISE STORES	12	12	12	12	-	-	-	-	-	-	-	-
FOOD, BAKERY, AND DAIRY STORES	29	25	29	25	-	-	-	-	-	-	-	-
AUTOMOTIVE DEALERS AND GASOLINE STATIONS	19	8	19	8	-	-	-	-	-	-	-	-
EATING AND DRINKING PLACES	255	120	255	110	-	5	-	-	-	5	-	-
OTHER RETAIL TRADE	50	54	50	54	-	-	-	-	-	-	-	-
FINANCE, INSURANCE, AND REAL ESTATE	36	12	36	12	-	-	-	-	-	-	-	-
BUSINESS AND REPAIR SERVICES	109	31	109	31	-	-	-	-	-	-	-	-
PERSONAL SERVICES	98	69	92	69	6	-	-	-	-	-	-	-
ALL OTHER INDUSTRIES	52	66	52	66	-	-	-	-	-	-	-	-
MANAGEMENT RELATED OCCUPATIONS	4 409	2 183	4 150	1 986	190	178	17	-	38	14	41	22
ACCOUNTANTS AND AUDITORS	1 789	904	1 713	820	51	67	-	-	25	12	8	12
UNDERWRITERS	10	-	10	-	-	-	-	-	-	-	-	-
OTHER FINANCIAL OFFICERS	515	373	511	336	-	37	4	-	-	-	-	-
MANAGEMENT ANALYSTS	141	41	141	41	-	-	-	-	-	-	-	-
PERSONNEL, TRAINING, AND LABOR RELATIONS SPECIALISTS	711	302	605	263	93	37	5	-	-	2	18	3
PURCHASING AGENTS AND BUYERS, FARM PRODUCTS	112	13	105	13	7	-	-	-	-	-	7	-
BUYERS, WHOLESALE AND RETAIL TRADE EXCEPT FARM PRODUCTS	258	257	249	257	9	-	-	-	-	-	2	-
PURCHASING AGENTS AND BUYERS, N.E.C.	393	181	364	168	8	13	8	-	13	-	-	7
BUSINESS AND PROMOTION AGENTS	48	23	40	23	8	-	-	-	-	-	-	-
CONSTRUCTION INSPECTORS	145	6	135	6	4	-	-	-	-	-	6	-
INSPECTORS AND COMPLIANCE OFFICERS, EXC. CONSTRUCTION	276	42	266	36	10	6	-	-	-	-	-	-
MANAGEMENT RELATED OCCUPATIONS, N.E.C.	11	41	11	23	-	18	-	-	-	-	-	-
PROFESSIONAL SPECIALTY OCCUPATIONS	18 946	19 940	17 618	18 278	719	1 432	45	40	474	101	237	186
ENGINEERS, ARCHITECTS, AND SURVEYORS	4 733	166	4 498	149	53	17	18	-	157	-	32	-
ARCHITECTS	178	13	173	13	-	-	-	-	5	-	-	-
ENGINEERS	4 477	147	4 247	130	53	17	18	-	152	-	32	-
AEROSPACE	69	-	57	-	-	-	-	-	12	-	-	-
METALLURGICAL AND MATERIALS	103	-	74	-	14	-	-	-	13	-	2	-
MINING	3	-	3	-	-	-	-	-	-	-	-	-
PETROLEUM	-	-	-	-	-	-	-	-	-	-	-	-
CHEMICAL	109	13	83	13	-	-	-	-	26	-	-	-
NUCLEAR	52	-	46	-	-	-	6	-	-	-	-	-
CIVIL	660	6	622	6	6	-	12	-	20	-	11	-
AGRICULTURAL	27	-	21	-	-	-	-	-	6	-	-	-
ELECTRICAL AND ELECTRONIC	613	28	598	23	5	5	-	-	5	-	5	-
INDUSTRIAL	736	52	715	45	7	7	-	-	14	-	-	-
MECHANICAL	1 176	8	1 137	8	21	-	-	-	18	-	12	-
MARINE AND NAVAL ARCHITECTS	21	-	21	-	-	-	-	-	-	-	-	-
ENGINEERS, N.E.C.	908	40	870	35	-	5	-	-	38	-	2	-
SURVEYORS AND MAPPING SCIENTISTS	78	6	78	6	-	-	-	-	-	-	-	-

(1) PERSONS OF SPANISH ORIGIN MAY BE OF ANY RACE.

TABLE 219. (B) DETAILED OCCUPATION OF EMPLOYED PERSONS BY SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

[DATA ARE ESTIMATES BASED ON A SAMPLE; SEE INTRODUCTION. FOR MEANING OF SYMBOLS, SEE INTRODUCTION. FOR DEFINITIONS OF TERMS, SEE APPENDIXES A AND B]

TOLEDO, OH-MI SMSA

	SMSA											
	TOTAL		WHITE		BLACK		AMERICAN INDIAN, ESKIMO AND ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
MATHEMATICAL AND COMPUTER SCIENTISTS	451	193	428	185	17	8	6	-	-	-	-	-
COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS	328	114	305	110	17	4	6	-	-	-	-	-
OPERATIONS AND SYSTEMS RESEARCHERS AND ANALYSTS	103	39	103	35	-	4	-	-	-	-	-	-
ACTUARIES	6	-	6	-	-	-	-	-	-	-	-	-
STATISTICIANS	14	40	14	40	-	-	-	-	-	-	-	-
MATHEMATICAL SCIENTISTS, N.E.C.	-	-	-	-	-	-	-	-	-	-	-	-
NATURAL SCIENTISTS	581	113	552	98	12	15	-	-	7	-	10	-
PHYSICISTS AND ASTRONOMERS	48	5	48	5	-	-	-	-	-	-	-	-
CHEMISTS, EXCEPT BIOCHEMISTS	295	24	270	24	12	-	-	-	7	-	6	-
ATMOSPHERIC AND SPACE SCIENTISTS	4	-	-	-	-	-	-	-	-	-	4	-
GEOLOGISTS AND GEODESISTS	30	-	30	-	-	-	-	-	-	-	-	-
PHYSICAL SCIENTISTS, N.E.C.	16	-	16	-	-	-	-	-	-	-	-	-
AGRICULTURAL AND FOOD SCIENTISTS	59	25	59	25	-	-	-	-	-	-	-	-
BIOLOGICAL AND LIFE SCIENTISTS	56	22	56	22	-	-	-	-	-	-	-	-
FORESTRY AND CONSERVATION SCIENTISTS	54	14	54	7	-	7	-	-	-	-	-	-
MEDICAL SCIENTISTS	19	23	19	15	-	8	-	-	-	-	-	-
HEALTH DIAGNOSING OCCUPATIONS	1 829	220	1 599	165	57	7	-	-	162	43	50	-
PHYSICIANS	1 187	175	974	120	40	7	-	-	162	43	50	-
DENTISTS	372	22	355	22	17	-	-	-	-	-	-	-
VETERINARIANS	89	11	89	11	-	-	-	-	-	-	-	-
OPTOMETRISTS	74	6	74	6	-	-	-	-	-	-	-	-
PODIATRISTS	47	6	47	6	-	-	-	-	-	-	-	-
HEALTH DIAGNOSING PRACTITIONERS, N.E.C.	60	-	60	-	-	-	-	-	-	-	-	-
HEALTH ASSESSMENT AND TREATING OCCUPATIONS	973	5 747	924	5 398	35	308	-	6	14	23	8	25
REGISTERED NURSES	108	4 667	102	4 446	6	196	-	2	-	16	-	15
PHARMACISTS	518	213	504	199	14	14	-	-	-	-	-	-
DIETITIANS	13	253	13	193	-	49	-	4	-	7	-	-
THERAPISTS	288	603	259	554	15	44	-	-	14	-	8	10
INHALATION THERAPISTS	154	175	148	152	-	18	-	-	6	-	8	5
OCCUPATIONAL THERAPISTS	6	69	6	69	-	-	-	-	-	-	-	-
PHYSICAL THERAPISTS	66	128	58	121	-	7	-	-	8	-	-	-
SPEECH THERAPISTS	15	81	15	75	-	6	-	-	-	-	-	-
THERAPISTS, N.E.C.	47	150	32	137	15	13	-	-	-	-	-	5
PHYSICIANS' ASSISTANTS	46	11	46	6	-	5	-	-	-	-	-	-
TEACHERS, POSTSECONDARY	1 508	771	1 370	728	59	38	6	-	64	5	26	11
BIOLOGICAL SCIENCE TEACHERS	28	-	24	-	4	-	-	-	-	-	-	-
CHEMISTRY TEACHERS	10	-	10	-	-	-	-	-	-	-	-	-
PHYSICS TEACHERS	13	5	13	5	-	-	-	-	-	-	-	-
OTHER NATURAL SCIENCE TEACHERS	15	-	15	-	-	-	-	-	-	-	-	-
PSYCHOLOGY TEACHERS	22	9	22	9	-	-	-	-	-	-	-	-
ECONOMICS TEACHERS	29	-	24	-	-	-	-	-	5	-	-	-
HISTORY TEACHERS	24	8	24	8	-	-	-	-	-	-	-	-
OTHER SOCIAL SCIENCE TEACHERS	7	-	7	-	-	-	-	-	-	-	-	-
ENGINEERING TEACHERS	23	4	23	4	-	-	-	-	-	-	-	-
MATHEMATICAL AND COMPUTER SCIENCE TEACHERS	71	7	66	7	5	-	-	-	-	-	-	-
MEDICAL SCIENCE TEACHERS	29	14	29	14	-	-	-	-	-	-	-	-
HEALTH SPECIALTIES TEACHERS	14	82	14	66	-	16	-	-	-	-	-	-
BUSINESS, COMMERCE, AND MARKETING TEACHERS	22	21	22	21	-	-	-	-	-	-	-	-
ART, DRAMA, AND MUSIC TEACHERS	52	65	46	60	-	-	6	-	-	5	-	-
ENGLISH TEACHERS	37	39	31	39	-	-	-	-	6	-	-	3
FOREIGN LANGUAGE TEACHERS	28	7	28	7	-	-	-	-	-	-	12	-
OTHER SPECIFIED TEACHERS	70	13	64	13	6	-	-	-	-	-	-	-
POSTSECONDARY TEACHERS, SUBJECT NOT SPECIFIED	1 014	497	908	475	44	22	-	-	53	-	14	8
TEACHERS, EXCEPT POSTSECONDARY	3 426	8 819	3 152	8 121	205	623	8	34	44	9	37	65
TEACHERS, PREKINDERGARTEN AND KINDERGARTEN	22	483	16	441	6	33	-	-	-	9	-	-
TEACHERS, ELEMENTARY SCHOOL	1 718	5 737	1 563	5 233	124	453	5	22	14	-	17	53
TEACHERS, SECONDARY SCHOOL	1 354	1 888	1 263	1 760	56	121	-	7	30	-	9	7
TEACHERS, SPECIAL EDUCATION	14	108	14	108	-	-	-	-	-	-	-	-
TEACHERS, N.E.C.	318	603	296	579	19	16	3	5	-	-	11	5
COUNSELORS, EDUCATIONAL AND VOCATIONAL	228	366	175	317	53	37	-	-	-	-	-	22
LIBRARIANS, ARCHIVISTS, AND CURATORS	108	525	91	472	17	40	-	-	-	13	-	-
LIBRARIANS	92	507	82	454	10	40	-	-	-	13	-	-
ARCHIVISTS AND CURATORS	16	18	9	18	7	-	-	-	-	-	-	-
SOCIAL SCIENTISTS AND URBAN PLANNERS	430	227	403	197	7	25	-	-	20	-	11	5
ECONOMISTS	233	104	226	98	7	6	-	-	-	-	11	-
PSYCHOLOGISTS	144	112	130	93	-	14	-	-	14	-	-	5
SOCIOLOGISTS	5	-	5	-	-	-	-	-	-	-	-	-
SOCIAL SCIENTISTS, N.E.C.	6	-	6	-	-	-	-	-	-	-	-	-
URBAN PLANNERS	42	11	36	6	-	5	-	-	6	-	-	-
SOCIAL, RECREATION, AND RELIGIOUS WORKERS	1 403	1 237	1 262	989	118	226	-	-	-	2	50	47
SOCIAL WORKERS	504	904	403	689	85	193	-	-	-	2	22	47
RECREATION WORKERS	16	136	16	109	-	27	-	-	-	-	-	-
CLERGY	820	91	787	85	26	6	-	-	-	-	28	-
RELIGIOUS WORKERS, N.E.C.	63	106	56	106	7	-	-	-	-	-	-	-
LAWYERS AND JUDGES	1 444	140	1 414	134	23	-	7	-	-	6	-	-
LAWYERS	1 365	127	1 341	121	17	-	7	-	-	6	-	-
JUDGES	79	13	73	13	6	-	-	-	-	-	-	-
WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES	1 832	1 416	1 750	1 325	63	88	-	-	6	-	13	11
AUTHORS	14	6	14	6	-	-	-	-	-	-	-	-
TECHNICAL WRITERS	27	19	27	19	-	-	-	-	-	-	-	-
DESIGNERS	433	443	417	424	8	19	-	-	-	-	8	-
MUSICIANS AND COMPOSERS	228	157	228	153	-	4	-	-	-	-	-	-
ACTORS AND DIRECTORS	85	35	78	35	7	-	-	-	-	-	-	-
PAINTERS, SCULPTORS, CRAFT-ARTISTS, AND ARTIST PRINTMAKERS	130	179	123	166	7	13	-	-	-	-	-	-
PHOTOGRAPHERS	173	84	167	84	-	-	-	-	6	-	-	8
DANCERS	-	9	-	-	-	6	-	-	-	-	-	3
ARTISTS, PERFORMERS AND RELATED WORKERS, N.E.C.	49	58	42	58	7	-	-	-	-	-	-	-
EDITORS AND REPORTERS	249	200	239	177	10	23	-	-	-	-	-	-
PUBLIC RELATIONS SPECIALISTS	139	159	131	151	8	8	-	-	-	-	-	-
ANNOUNCERS	170	40	160	25	5	15	-	-	-	-	5	-
ATHLETES	135	27	124	27	11	-	-	-	-	-	-	-

(1) PERSONS OF SPANISH ORIGIN MAY BE OF ANY RACE.

TABLE 219. (B) DETAILED OCCUPATION OF EMPLOYED PERSONS BY SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

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TOLEDO, OH-MI SMSA

	SMSA											
	TOTAL		WHITE		BLACK		AMERICAN INDIAN, ESKIMO AND ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS	29 979	61 847	28 391	57 585	1 277	3 616	79	74	87	189	286	811
TECHNICIANS AND RELATED SUPPORT OCCUPATIONS	4 341	5 307	4 055	4 815	181	454	2	-	63	19	66	70
HEALTH TECHNOLOGISTS AND TECHNICIANS	549	4 272	504	3 858	31	392	-	-	9	19	13	40
CLINICAL LABORATORY TECHNOLOGISTS AND TECHNICIANS	212	738	177	679	26	48	-	-	9	11	2	10
DENTAL HYGIENISTS	-	219	-	219	-	-	-	-	-	-	-	-
HEALTH RECORD TECHNOLOGISTS AND TECHNICIANS	-	68	-	60	-	8	-	-	-	-	-	-
RADIOLOGIC TECHNICIANS	80	419	70	411	5	8	-	-	-	-	5	-
LICENSED PRACTICAL NURSES	29	2 412	29	2 157	-	252	-	-	-	-	-	21
HEALTH TECHNOLOGISTS AND TECHNICIANS, N.E.C.	228	416	228	332	-	76	-	-	-	8	6	9
ENGINEERING AND RELATED TECHNOLOGISTS AND TECHNICIANS	2 238	213	2 119	197	66	16	-	-	32	-	37	6
ELECTRICAL AND ELECTRONIC TECHNICIANS	333	14	320	14	13	-	-	-	-	-	-	-
INDUSTRIAL ENGINEERING TECHNICIANS	13	-	13	-	-	-	-	-	-	-	1	-
MECHANICAL ENGINEERING TECHNICIANS	79	-	79	-	-	-	-	-	-	-	5	-
ENGINEERING TECHNICIANS, N.E.C.	722	139	677	128	23	11	-	-	17	-	5	-
DRAFTING OCCUPATIONS	975	60	917	55	30	5	-	-	15	-	23	6
SURVEYING AND MAPPING TECHNICIANS	116	-	113	-	-	-	-	-	-	-	3	-
SCIENCE TECHNICIANS	402	113	372	106	26	7	-	-	-	-	6	-
BIOLOGICAL TECHNICIANS	19	34	19	34	-	-	-	-	-	-	-	-
CHEMICAL TECHNICIANS	203	13	185	13	14	-	-	-	-	-	6	-
SCIENCE TECHNICIANS, N.E.C.	180	66	168	59	12	7	-	-	-	-	-	-
TECHNICIANS, EXCEPT HEALTH, ENGINEERING, AND SCIENCE	1 152	709	1 060	654	58	39	2	-	22	-	10	24
AIRPLANE PILOTS AND NAVIGATORS	67	-	67	-	-	-	-	-	-	-	-	-
AIR TRAFFIC CONTROLLERS	58	6	58	6	-	-	-	-	-	-	-	-
BROADCAST EQUIPMENT OPERATORS	104	89	102	75	-	5	2	-	-	-	-	9
COMPUTER PROGRAMMERS	402	266	375	258	14	8	-	-	7	-	6	8
TOOL PROGRAMMERS, NUMERICAL CONTROL	-	6	-	6	-	-	-	-	-	-	-	-
LEGAL ASSISTANTS	42	200	42	186	-	14	-	-	-	-	-	-
TECHNICIANS, N.E.C.	479	142	416	123	44	12	-	-	15	-	4	7
SALES OCCUPATIONS	14 608	15 953	14 157	15 094	403	722	19	20	10	44	75	182
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS, SALARIED	2 356	1 059	2 276	1 007	71	37	7	9	-	6	8	-
MANUFACTURING	124	42	110	34	14	8	-	-	-	-	6	-
WHOLESALE TRADE	401	52	401	52	-	-	-	-	-	-	-	-
RETAIL TRADE	1 615	910	1 549	866	57	29	7	9	-	6	2	-
ALL OTHER INDUSTRIES	216	55	216	55	-	-	-	-	-	-	-	-
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS, SELF-EMPLOYED	593	193	574	193	14	-	-	-	5	-	5	-
MANUFACTURING	2	-	2	-	-	-	-	-	-	-	-	-
WHOLESALE TRADE	68	22	68	22	-	-	-	-	-	-	-	-
RETAIL TRADE	512	171	493	171	14	-	-	-	5	-	5	-
ALL OTHER INDUSTRIES	11	-	11	-	-	-	-	-	-	-	-	-
SALES REPRESENTATIVES, FINANCE AND BUSINESS SERVICES	3 429	1 552	3 368	1 472	56	80	5	-	-	-	8	7
INSURANCE SALES OCCUPATIONS	1 377	307	1 320	244	52	63	5	-	-	-	-	-
REAL ESTATE SALES OCCUPATIONS	910	748	910	742	-	6	-	-	-	-	-	7
SECURITIES AND FINANCIAL SERVICES SALES OCCUPATIONS	208	30	208	30	-	-	-	-	-	-	8	-
ADVERTISING AND RELATED SALES OCCUPATIONS	221	128	221	117	-	11	-	-	-	-	-	-
SALES OCCUPATIONS, OTHER BUSINESS SERVICES	713	339	709	339	4	-	-	-	-	-	-	-
SALES REPRESENTATIVES, COMMODITIES, EXCEPT RETAIL	3 459	425	3 367	415	69	10	7	-	5	-	13	8
SALES ENGINEERS	239	2	234	2	-	-	-	-	5	-	-	-
SALES REPRESENTATIVES, MINING, MANUFACTURING, AND WHOLESALE	3 220	423	3 133	413	69	10	7	-	-	-	13	8
WHOLESALE TRADE	2 110	207	2 037	203	55	4	7	-	-	-	13	-
SALES WORKERS, RETAIL AND PERSONAL SERVICES	4 714	12 652	4 515	11 941	193	589	-	11	-	38	41	167
SALES WORKERS, MOTOR VEHICLES AND BOATS	721	38	714	38	7	-	-	-	-	-	3	-
SALES WORKERS, APPAREL	196	878	196	842	-	20	-	-	-	6	-	18
SALES WORKERS, SHOES	153	285	153	279	-	6	-	-	-	-	15	-
SALES WORKERS, FURNITURE AND HOME FURNISHINGS	231	173	212	173	13	-	-	-	-	-	10	-
SALES WORKERS, RADIO, TV, HI-FI, AND APPLIANCES	333	108	313	108	20	-	-	-	-	-	6	-
SALES WORKERS, HARDWARE AND BUILDING SUPPLIES	454	172	448	161	6	11	-	-	-	-	-	-
SALES WORKERS, PARTS	566	60	558	55	8	5	-	-	-	-	-	-
SALES WORKERS, OTHER COMMODITIES	1 050	4 439	998	4 187	52	197	-	6	-	17	7	68
RETAIL TRADE	959	4 283	907	4 043	52	185	-	6	-	17	7	68
PERSONAL, BUSINESS AND REPAIR SERVICES	13	29	13	29	-	-	-	-	-	-	-	-
ALL OTHER INDUSTRIES	78	127	78	115	-	12	-	-	-	-	-	-
SALES COUNTER CLERKS	59	271	52	259	7	12	-	-	-	-	-	-
CASHIERS	611	5 412	549	5 067	62	300	-	5	-	15	-	75
STREET AND DOOR-TO-DOOR SALES WORKERS	190	671	176	637	14	28	-	-	-	-	-	6
NEWS VENDORS	150	145	146	135	4	10	-	-	-	-	-	-
SALES RELATED OCCUPATIONS	57	72	57	66	-	6	-	-	-	-	-	-
DEMONSTRATORS, PROMOTERS AND MODELS, SALES	14	55	14	55	-	-	-	-	-	-	-	-
AUCTIONEERS	41	-	41	-	-	-	-	-	-	-	-	-
SALES SUPPORT OCCUPATIONS, N.E.C.	2	17	2	11	-	6	-	-	-	-	-	-
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL	11 030	40 587	10 179	37 676	693	2 440	58	54	14	126	145	559
SUPERVISORS, ADMINISTRATIVE SUPPORT OCCUPATIONS	1 700	1 338	1 581	1 231	105	90	9	5	-	-	23	-
SUPERVISORS, GENERAL OFFICE	669	918	609	831	60	70	-	5	-	-	7	-
SUPERVISORS, COMPUTER EQUIPMENT OPERATORS	74	39	74	39	-	-	-	-	-	-	-	-
SUPERVISORS, FINANCIAL RECORDS PROCESSING	443	241	425	237	12	4	6	-	-	-	11	-
CHIEF COMMUNICATIONS OPERATORS	99	20	96	20	-	-	3	-	-	-	-	-
SUPERVISORS; DISTRIBUTION, SCHEDULING, AND ADJUSTING CLERKS	415	120	377	104	33	16	-	-	-	-	5	-

(1) PERSONS OF SPANISH ORIGIN MAY BE OF ANY RACE.

TABLE 219. (B) DETAILED OCCUPATION OF EMPLOYED PERSONS BY SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

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TOLEDO, OH-MI SMSA

	SMSA											
	TOTAL		WHITE		BLACK		AMERICAN INDIAN, ESKIMO AND ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
COMPUTER EQUIPMENT OPERATORS	450	811	421	720	29	68	-	-	-	10	-	19
COMPUTER OPERATORS	412	761	383	680	29	58	-	-	-	10	-	19
PERIPHERAL EQUIPMENT OPERATORS	38	50	38	40	-	10	-	-	-	-	-	-
SECRETARIES, STENOGRAPHERS, AND TYPISTS	143	15 091	121	14 312	22	655	-	16	-	20	-	230
SECRETARIES	97	13 017	90	12 404	7	514	-	14	-	16	-	189
STENOGRAPHERS	-	271	-	245	-	26	-	-	-	-	-	-
TYPISTS	46	1 803	31	1 663	15	115	-	2	-	4	-	41
INFORMATION CLERKS	311	2 481	273	2 230	38	213	-	7	-	11	-	23
INTERVIEWERS	85	434	77	364	8	48	-	7	-	-	-	15
HOTEL CLERKS	61	153	61	153	-	-	-	-	-	-	-	-
TRANSPORTATION TICKET AND RESERVATION AGENTS	74	93	64	58	10	35	-	-	-	-	-	-
RECEPTIONISTS	57	1 599	37	1 505	20	78	-	-	-	11	-	8
INFORMATION CLERKS, N.E.C.	34	202	34	150	-	52	-	-	-	-	-	-
RECORDS PROCESSING OCCUPATIONS, EXCEPT FINANCIAL	525	2 321	469	2 095	30	185	13	-	-	13	17	40
CLASSIFIED-AD CLERKS	-	33	-	33	-	-	-	-	-	-	-	-
CORRESPONDENCE CLERKS	5	39	5	39	-	-	-	-	-	-	-	-
ORDER CLERKS	269	784	242	749	10	33	6	-	-	-	15	9
PERSONNEL CLERKS, EXCEPT PAYROLL AND TIMEKEEPING	20	122	8	94	5	15	7	-	-	7	-	6
LIBRARY CLERKS	84	537	75	477	9	53	-	-	-	-	-	7
FILE CLERKS	115	533	113	446	-	68	-	-	-	6	2	18
RECORDS CLERKS	32	273	26	257	6	16	-	-	-	-	-	-
FINANCIAL RECORDS PROCESSING OCCUPATIONS	697	6 082	684	5 870	6	170	-	-	-	31	7	31
BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS	362	4 909	356	4 751	6	122	-	-	-	25	-	23
PAYROLL AND TIMEKEEPING CLERKS	179	478	179	454	-	24	-	-	-	-	-	8
BILLING CLERKS	45	440	45	415	-	19	-	-	-	6	-	-
COST AND RATE CLERKS	104	123	97	123	-	-	-	-	-	-	7	-
BILLING, POSTING, AND CALCULATING MACHINE OPERATORS	7	132	7	127	-	5	-	-	-	-	-	-
DUPLICATING, MAIL, AND OTHER OFFICE MACHINE OPERATORS	23	115	20	79	3	27	-	-	-	-	-	9
DUPLICATING MACHINE OPERATORS	3	29	-	29	3	-	-	-	-	-	-	-
MAIL PREPARING AND PAPER HANDLING MACHINE OPERATORS	-	14	-	5	-	-	-	-	-	-	-	9
OFFICE MACHINE OPERATORS, N.E.C.	20	72	20	45	-	27	-	-	-	-	-	-
COMMUNICATIONS EQUIPMENT OPERATORS	119	834	112	725	7	109	-	-	-	-	-	-
TELEPHONE OPERATORS	88	810	81	701	7	109	-	-	-	-	-	-
TELEGRAPHERS	28	9	28	9	-	-	-	-	-	-	-	-
COMMUNICATIONS EQUIPMENT OPERATORS, N.E.C.	3	15	3	15	-	-	-	-	-	-	-	-
MAIL AND MESSAGE DISTRIBUTING OCCUPATIONS	1 269	1 011	1 132	866	131	145	-	-	-	-	8	3
POSTAL CLERKS, EXCEPT MAIL CARRIERS	369	419	340	316	29	103	-	-	-	-	2	-
MAIL CARRIERS, POSTAL SERVICE	584	182	503	167	75	15	-	-	-	-	6	-
MAIL CLERKS, EXCEPT POSTAL SERVICE	181	262	160	241	21	21	-	-	-	-	-	3
MESSENGERS	135	148	129	142	6	6	-	-	-	-	-	-
MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING CLERKS	4 173	1 786	3 863	1 648	242	125	27	-	-	-	73	15
DISPATCHERS	292	139	280	130	12	9	-	-	-	-	-	-
PRODUCTION COORDINATORS	536	390	482	355	45	35	-	-	-	-	9	-
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	1 364	331	1 274	326	77	5	8	-	-	-	13	2
STOCK AND INVENTORY CLERKS	1 427	614	1 349	562	56	39	5	-	-	-	30	13
METER READERS	170	22	120	22	36	-	14	-	-	-	11	-
WEIGHERS, MEASURERS, AND CHECKERS	248	51	222	43	16	8	-	-	-	-	10	-
SAMPLERS	-	-	-	-	-	-	-	-	-	-	-	-
EXPEDITERS	117	147	117	141	-	6	-	-	-	-	-	-
MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING CLERKS, N.E.C.	19	92	19	69	-	23	-	-	-	-	-	-
ADJUSTERS AND INVESTIGATORS	408	926	372	846	13	64	9	5	-	-	14	17
INSURANCE ADJUSTERS, EXAMINERS, AND INVESTIGATORS	155	213	151	197	4	11	-	5	-	-	-	-
INVESTIGATORS AND ADJUSTERS, EXCEPT INSURANCE	167	538	144	504	-	25	9	-	-	-	14	15
ELIGIBILITY CLERKS, SOCIAL WELFARE	21	21	12	15	9	6	-	-	-	-	-	-
BILL AND ACCOUNT COLLECTORS	65	154	65	130	-	22	-	-	-	-	-	2
MISCELLANEOUS ADMINISTRATIVE SUPPORT OCCUPATIONS	1 212	7 791	1 131	7 054	67	589	-	21	14	41	3	172
GENERAL OFFICE CLERKS	697	3 485	660	3 165	28	231	-	7	9	11	-	100
BANK TELLERS	49	1 531	49	1 378	-	139	-	-	-	7	-	18
PROOFREADERS	-	40	-	40	-	-	-	-	-	-	-	-
DATA-ENTRY KEYERS	56	894	56	786	-	71	-	14	-	15	-	23
STATISTICAL CLERKS	66	271	58	242	8	21	-	-	-	8	-	7
TEACHERS' AIDES	20	538	8	498	12	40	-	-	-	-	-	14
ADMINISTRATIVE SUPPORT OCCUPATIONS, N.E.C.	324	1 032	300	945	19	87	-	-	5	-	3	10
SERVICE OCCUPATIONS	16 148	28 925	13 950	25 156	1 839	3 334	65	54	79	155	475	608
PRIVATE HOUSEHOLD OCCUPATIONS	54	1 374	48	1 036	6	314	-	7	-	11	-	13
OCCUPATION:												
LAUNDERERS AND IRONERS	-	20	-	20	-	-	-	-	-	-	-	-
COOKS, PRIVATE HOUSEHOLD	-	5	-	5	-	-	-	-	-	-	-	-
HOUSEKEEPERS AND BUTLERS	-	127	-	61	-	60	-	-	-	-	-	6
CHILD CARE WORKERS, PRIVATE HOUSEHOLD	4	602	4	578	-	12	-	7	-	5	-	7
PRIVATE HOUSEHOLD CLEANERS AND SERVANTS	50	620	44	372	6	242	-	-	-	6	-	-
LIVING ARRANGEMENT:												
LIVING IN	-	58	-	32	-	13	-	7	-	6	-	7
LIVING OUT	54	1 316	48	1 004	6	301	-	-	-	5	-	6

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TABLE 219. (B) DETAILED OCCUPATION OF EMPLOYED PERSONS BY SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

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TOLEDO, OH-MI SMSA

	SMSA											
	TOTAL		WHITE		BLACK		AMERICAN INDIAN, ESKIMO AND ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
PROTECTIVE SERVICE OCCUPATIONS	4 228	662	3 836	547	350	110	1	5	-	-	76	-
SUPERVISORS, PROTECTIVE SERVICE OCCUPATIONS	358	18	347	6	11	12	-	-	-	-	-	-
SUPERVISORS, FIREFIGHTING AND FIRE PREVENTION OCCUPATIONS	93	-	93	-	-	-	-	-	-	-	-	-
SUPERVISORS, POLICE AND DETECTIVES	155	10	144	6	11	4	-	-	-	-	-	-
SUPERVISORS, GUARDS	110	8	110	-	-	8	-	-	-	-	-	-
FIREFIGHTING AND FIRE PREVENTION OCCUPATIONS	613	13	570	7	32	6	-	-	-	-	11	-
FIRE INSPECTION AND FIRE PREVENTION OCCUPATIONS	30	6	30	-	-	6	-	-	-	-	-	-
FIREFIGHTING OCCUPATIONS	583	7	540	7	32	-	-	-	-	-	11	-
POLICE AND DETECTIVES	1 366	123	1 206	105	137	18	1	-	-	-	31	-
POLICE AND DETECTIVES, PUBLIC SERVICE	999	53	916	40	82	13	1	-	-	-	7	-
SHERIFFS, BAILIFFS, AND OTHER ENFORCEMENT OFFICERS	248	30	209	30	17	-	-	-	-	-	22	-
CORRECTIONAL INSTITUTION OFFICERS	119	40	81	35	38	5	-	-	-	-	2	-
GUARDS	1 891	508	1 713	429	170	74	-	5	-	-	34	-
CROSSING GUARDS	65	83	60	83	5	-	-	-	-	-	-	-
GUARDS AND POLICE, EXCEPT PUBLIC SERVICE	1 741	383	1 568	304	165	74	-	5	-	-	32	-
PROTECTIVE SERVICE OCCUPATIONS, N.E.C.	85	42	85	42	-	-	-	-	-	-	2	-
SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD	11 866	26 889	10 066	23 573	1 483	2 910	64	42	79	144	399	595
FOOD PREPARATION AND SERVICE OCCUPATIONS	4 425	13 578	3 910	12 574	362	794	22	8	71	98	146	305
SUPERVISORS, FOOD PREPARATION AND SERVICE OCCUPATIONS	225	593	213	528	11	63	-	-	1	2	-	-
BARTENDERS	410	494	370	463	4	2	-	-	6	16	24	18
WAITERS AND WAITRESSES	327	6 133	287	5 970	17	102	-	8	23	29	-	112
COOKS, EXCEPT SHORT ORDER	1 607	2 645	1 365	2 313	167	286	16	-	41	20	59	62
SHORT-ORDER COOKS	313	142	295	132	18	10	-	-	-	-	-	-
FOOD COUNTER, FOUNTAIN AND RELATED OCCUPATIONS	61	757	61	710	-	47	-	-	-	-	-	3
KITCHEN WORKERS, FOOD PREPARATION	26	363	20	355	-	8	6	-	-	-	-	17
WAITERS' AND WAITRESSES' ASSISTANTS	525	813	508	693	17	92	-	-	-	17	7	22
MISCELLANEOUS FOOD PREPARATION OCCUPATIONS	931	1 638	791	1 410	128	184	-	-	-	14	56	71
HEALTH SERVICE OCCUPATIONS	552	5 722	451	4 673	88	985	-	5	8	28	30	107
DENTAL ASSISTANTS	6	433	6	429	-	4	-	-	-	-	-	27
HEALTH AIDES, EXCEPT NURSING	94	1 338	81	1 156	5	171	-	-	3	11	5	6
NURSING AIDES, ORDERLIES, AND ATTENDANTS	452	3 951	364	3 088	83	810	-	5	5	17	25	74
CLEANING AND BUILDING SERVICE OCCUPATIONS, EXCEPT HOUSEHOLD	6 059	3 811	4 992	2 972	924	741	42	22	-	6	199	122
SUPERVISORS, CLEANING AND BUILDING SERVICE WORKERS	354	85	316	73	28	12	-	-	-	-	10	-
MAIDS AND HOUSEMEN	391	1 481	251	1 054	140	376	-	5	-	6	-	54
JANITORS AND CLEANERS	5 235	2 245	4 352	1 845	750	353	42	17	-	-	189	68
ELEVATOR OPERATORS	24	-	18	-	6	-	-	-	-	-	-	-
PEST CONTROL OCCUPATIONS	55	-	55	-	-	-	-	-	-	-	-	-
PERSONAL SERVICE OCCUPATIONS	830	3 778	713	3 354	109	390	-	7	-	12	24	61
SUPERVISORS, PERSONAL SERVICE OCCUPATIONS	31	68	31	64	-	4	-	-	-	-	-	-
BARBERS	305	79	254	79	51	-	-	-	-	-	2	-
HAIRDRESSERS AND COSMETOLOGISTS	145	1 522	138	1 395	7	114	-	7	-	-	-	22
ATTENDANTS, AMUSEMENT AND RECREATION FACILITIES	119	57	106	49	10	8	-	-	-	-	9	-
GUIDES	6	47	6	47	-	-	-	-	-	-	-	-
USHERS	33	17	33	17	-	-	-	-	-	-	-	-
PUBLIC TRANSPORTATION ATTENDANTS	12	45	5	35	7	10	-	-	-	-	-	-
BAGGAGE PORTERS AND BELLHOPS	23	-	23	-	-	-	-	-	-	-	-	-
WELFARE SERVICE AIDES	14	57	14	48	-	7	-	-	-	-	-	2
CHILD CARE WORKERS, EXCEPT PRIVATE HOUSEHOLD	62	1 486	42	1 273	15	194	-	-	-	12	13	26
PERSONAL SERVICE OCCUPATIONS, N.E.C.	80	400	61	347	19	53	-	-	-	-	-	11
FARMING, FORESTRY, AND FISHING OCCUPATIONS	4 192	904	4 046	848	68	-	8	6	-	6	111	78
FARM OPERATORS AND MANAGERS	2 278	197	2 269	191	5	-	-	6	-	-	11	-
FARMERS, EXCEPT HORTICULTURAL	2 073	179	2 066	173	5	-	-	6	-	-	2	-
AGRICULTURAL PRODUCTION, CROPS	1 666	102	1 659	96	5	-	-	6	-	-	2	-
HORTICULTURAL SPECIALTY FARMERS	13	7	13	7	-	-	-	-	-	-	-	-
MANAGERS, FARMS, EXCEPT HORTICULTURAL	180	9	178	9	-	-	-	-	-	-	9	-
MANAGERS, HORTICULTURAL SPECIALTY FARMS	12	2	12	2	-	-	-	-	-	-	-	-
FARM OCCUPATIONS, EXCEPT MANAGERIAL	885	541	818	491	14	-	2	-	-	6	65	78
SUPERVISORS, FARM WORKERS	58	7	56	7	2	-	-	-	-	-	-	-
FARM WORKERS	760	448	695	402	12	-	2	-	-	6	65	64
AGRICULTURAL PRODUCTION, CROPS	594	345	529	305	12	-	2	-	-	-	65	64
MARINE LIFE CULTIVATION WORKERS	-	7	-	7	-	-	-	-	-	-	-	-
NURSERY WORKERS	67	79	67	75	-	-	-	-	-	-	-	14
RELATED AGRICULTURAL OCCUPATIONS	927	166	863	166	49	-	-	-	-	-	35	-
SUPERVISORS, RELATED AGRICULTURAL OCCUPATIONS	38	6	38	6	-	-	-	-	-	-	-	-
GROUNDSKEEPERS AND GARDENERS, EXCEPT FARM	822	45	765	45	42	-	-	-	-	-	35	-
ANIMAL CARETAKERS, EXCEPT FARM	59	113	52	113	7	-	-	-	-	-	-	-
GRADERS AND SORTERS, AGRICULTURAL PRODUCTS	8	2	8	2	-	-	-	-	-	-	-	-
INSPECTORS, AGRICULTURAL PRODUCTS	-	-	-	-	-	-	-	-	-	-	-	-
FORESTRY AND LOGGING OCCUPATIONS	41	-	41	-	-	-	-	-	-	-	-	-
SUPERVISORS, FORESTRY AND LOGGING WORKERS	-	-	-	-	-	-	-	-	-	-	-	-
FORESTRY WORKERS, EXCEPT LOGGING	29	-	29	-	-	-	-	-	-	-	-	-
TIMBER CUTTING AND LOGGING OCCUPATIONS	12	-	12	-	-	-	-	-	-	-	-	-
FISHERS, HUNTERS, AND TRAPPERS	61	-	55	-	-	-	6	-	-	-	-	-
CAPTAINS AND OTHER OFFICERS, FISHING VESSELS	-	-	-	-	-	-	-	-	-	-	-	-
FISHERS	61	-	55	-	-	-	6	-	-	-	-	-
HUNTERS AND TRAPPERS	-	-	-	-	-	-	-	-	-	-	-	-

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	SMSA											
	TOTAL		WHITE		BLACK		AMERICAN INDIAN, ESKIMO AND ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS	42 383	2 453	40 172	2 271	1 700	138	50	-	72	20	714	66
MECHANICS AND REPAIRERS	13 946	360	13 186	324	568	36	16	-	25	-	242	18
SUPERVISORS, MECHANICS AND REPAIRERS	606	43	590	43	16	-	-	-	-	-	-	9
MECHANICS AND REPAIRERS, EXCEPT SUPERVISORS	13 340	317	12 596	281	552	36	16	-	25	-	242	9
VEHICLE AND MOBILE EQUIPMENT MECHANICS AND REPAIRERS	5 088	68	4 820	60	217	8	10	-	7	-	53	-
AUTOMOBILE MECHANICS	2 657	31	2 478	23	147	8	-	-	7	-	41	-
BUS, TRUCK, AND STATIONARY ENGINE MECHANICS	654	17	625	17	29	-	-	-	-	-	3	-
AIRCRAFT MECHANICS	132	7	132	7	-	-	-	-	-	-	-	-
SMALL ENGINE REPAIRERS	182	-	176	-	-	-	6	-	-	-	-	-
AUTOMOBILE BODY AND RELATED REPAIRERS	701	13	657	13	31	-	4	-	-	-	9	-
HEAVY EQUIPMENT MECHANICS	616	-	606	-	10	-	-	-	-	-	-	-
FARM EQUIPMENT MECHANICS	146	-	146	-	-	-	-	-	-	-	-	-
INDUSTRIAL MACHINERY REPAIRERS	2 744	70	2 594	49	92	21	-	-	12	-	59	-
MACHINERY MAINTENANCE OCCUPATIONS	200	12	164	5	31	7	-	-	-	-	16	-
ELECTRICAL AND ELECTRONIC EQUIPMENT REPAIRERS	1 651	66	1 568	66	62	-	-	-	6	-	42	-
ELECTRONIC REPAIRERS, COMMUNICATIONS AND INDUSTRIAL EQUIPMENT	462	11	449	11	7	-	-	-	6	-	-	-
DATA PROCESSING EQUIPMENT REPAIRERS	98	5	98	5	-	-	-	-	-	-	-	-
HOUSEHOLD APPLIANCE AND POWER TOOL REPAIRERS	215	-	210	-	5	-	-	-	-	-	6	-
TELEPHONE LINE INSTALLERS AND REPAIRERS	137	5	115	5	7	-	-	-	-	-	15	-
TELEPHONE INSTALLERS AND REPAIRERS	676	45	633	45	43	-	-	-	-	-	21	-
MISCELLANEOUS ELECTRICAL AND ELECTRONIC EQUIPMENT REPAIRERS	63	-	63	-	-	-	-	-	-	-	-	-
HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS	415	-	382	-	22	-	-	-	-	-	13	-
MISCELLANEOUS MECHANICS AND REPAIRERS	3 242	101	3 068	101	128	-	6	-	-	-	59	9
CAMERA, WATCH, AND MUSICAL INSTRUMENT REPAIRERS	165	6	158	6	-	-	-	-	-	-	7	-
LOCKSMITHS AND SAFE REPAIRERS	40	-	40	-	-	-	-	-	-	-	-	-
OFFICE MACHINE REPAIRERS	125	-	125	-	-	-	-	-	-	-	-	-
MECHANICAL CONTROLS AND VALVE REPAIRERS	138	-	132	-	-	-	-	-	-	-	6	-
ELEVATOR INSTALLERS AND REPAIRERS	45	-	45	-	-	-	-	-	-	-	-	-
MILLWRIGHTS	1 304	19	1 205	19	76	-	6	-	-	-	20	-
SPECIFIED MECHANICS AND REPAIRERS, N.E.C.	1 038	53	1 002	53	31	-	-	-	-	-	11	9
NOT SPECIFIED MECHANICS AND REPAIRERS	387	23	361	23	21	-	-	-	-	-	15	-
CONSTRUCTION TRADES	12 968	214	12 305	207	539	5	18	-	5	-	183	2
SUPERVISORS; CONSTRUCTION OCCUPATIONS	1 880	3	1 832	3	48	-	-	-	-	-	12	-
SUPERVISORS; BRICKMASONS, STONEMASONS, AND TILE SETTERS	9	-	9	-	-	-	-	-	-	-	-	-
SUPERVISORS; CARPENTERS AND RELATED WORKERS	67	-	67	-	-	-	-	-	-	-	-	-
SUPERVISORS; ELECTRICIANS AND POWER TRANSMISSION INSTALLERS	71	-	71	-	-	-	-	-	-	-	-	-
SUPERVISORS; PAINTERS, PAPERHANGERS, AND PLASTERERS	29	-	29	-	-	-	-	-	-	-	-	-
SUPERVISORS; PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	61	-	61	-	-	-	-	-	-	-	-	-
SUPERVISORS; N.E.C.	1 643	3	1 595	3	48	-	-	-	-	-	12	-
CONSTRUCTION TRADES, EXCEPT SUPERVISORS	11 088	211	10 473	204	491	5	18	-	5	-	171	2
BRICKMASONS AND STONEMASONS	421	15	367	15	52	-	-	-	-	-	2	-
TILE SETTERS, HARD AND SOFT	43	-	43	-	-	-	-	-	-	-	-	-
CARPET INSTALLERS	262	-	257	-	-	-	-	-	-	-	11	-
CARPENTERS	2 966	20	2 878	18	58	-	9	-	1	-	36	2
DRYWALL INSTALLERS	191	-	191	-	-	-	-	-	-	-	-	-
ELECTRICIANS	2 448	44	2 282	44	150	-	-	-	-	-	31	-
ELECTRICAL POWER INSTALLERS AND REPAIRERS	389	11	373	11	14	-	2	-	-	-	-	-
PAINTERS, CONSTRUCTION AND MAINTENANCE	716	66	651	61	46	5	2	-	-	-	14	-
PAPERHANGERS	70	21	70	21	-	-	-	-	-	-	-	-
PLASTERERS	119	-	104	-	15	-	-	-	-	-	-	-
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	1 959	18	1 848	18	90	-	-	-	-	-	51	-
CONCRETE AND TERRAZZO FINISHERS	147	2	124	2	23	-	-	-	-	-	-	-
GLAZIERS	54	-	44	-	5	-	5	-	-	-	-	-
INSULATION WORKERS	178	-	171	-	7	-	-	-	-	-	-	-
PAVING, SURFACING, AND TAMPING EQUIPMENT OPERATORS	10	6	10	6	-	-	-	-	-	-	-	-
ROOFERS	250	-	222	-	9	-	-	-	4	-	15	-
SHEETMETAL DUCT INSTALLERS	75	-	75	-	-	-	-	-	-	-	-	-
STRUCTURAL METAL WORKERS	476	6	462	6	11	-	-	-	-	-	3	-
DRILLERS, EARTH	40	2	40	2	-	-	-	-	-	-	-	-
CONSTRUCTION TRADES, N.E.C.	274	-	261	-	11	-	-	-	-	-	8	-
EXTRACTIVE OCCUPATIONS	116	8	114	8	-	-	-	-	-	-	2	-
SUPERVISORS, EXTRACTIVE OCCUPATIONS	70	6	70	6	-	-	-	-	-	-	-	-
DRILLERS, OIL WELL	7	-	7	-	-	-	-	-	-	-	-	-
EXPLOSIVES WORKERS	13	-	13	-	-	-	-	-	-	-	-	-
MINING MACHINE OPERATORS	11	2	9	2	-	-	-	-	-	-	2	-
MINING OCCUPATIONS, N.E.C.	15	-	15	-	-	-	-	-	-	-	-	-

(1) PERSONS OF SPANISH ORIGIN MAY BE OF ANY RACE.

TABLE 219. (B) DETAILED OCCUPATION OF EMPLOYED PERSONS BY SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

[DATA ARE ESTIMATES BASED ON A SAMPLE; SEE INTRODUCTION. FOR MEANING OF SYMBOLS, SEE INTRODUCTION. FOR DEFINITIONS OF TERMS, SEE APPENDIXES A AND B]

TOLEDO, OH-MI SMSA

	SMSA											
	TOTAL		WHITE		BLACK		AMERICAN INDIAN, ESKIMO AND ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
PRECISION PRODUCTION OCCUPATIONS	15 353	1 871	14 567	1 732	593	97	16	-	42	20	287	46
SUPERVISORS, PRODUCTION OCCUPATIONS	6 948	603	6 555	543	331	58	10	-	23	-	81	2
NONDURABLE GOODS MANUFACTURING	1 153	117	1 079	117	54	-	-	-	11	-	25	-
DURABLE GOODS MANUFACTURING	4 109	234	3 886	207	196	25	-	-	7	-	52	2
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	706	24	675	24	26	-	5	-	-	-	-	-
WHOLESALE AND RETAIL TRADE	692	155	663	143	29	12	-	-	-	-	3	-
ALL OTHER INDUSTRIES	288	73	252	52	26	21	5	-	5	-	1	-
PRECISION METALWORKING OCCUPATIONS	5 346	109	5 155	99	112	4	-	-	3	-	151	6
TOOL AND DIE MAKERS	2 720	5	2 637	5	46	-	-	-	-	-	79	-
PRECISION ASSEMBLERS, METAL	13	16	13	16	-	-	-	-	-	-	-	-
MACHINISTS	1 548	45	1 488	45	41	-	-	-	3	-	44	-
BOILERMAKERS	242	-	215	-	16	-	-	-	-	-	16	-
PRECISION GRINDERS, FILERS, AND TOOL SHARPENERS	129	-	129	-	-	-	-	-	-	-	-	-
PATTERNMAKERS AND MODEL MAKERS, METAL	191	8	191	8	-	-	-	-	-	-	-	-
LAY-OUT WORKERS	79	2	69	2	2	-	-	-	-	-	8	-
PRECIOUS STONES AND METALS WORKERS (JEWELERS)	23	-	23	-	-	-	-	-	-	-	-	-
ENGRAVERS, METAL	17	27	15	21	-	-	-	-	-	-	2	6
SHEET METAL WORKERS	379	4	370	-	7	4	-	-	-	-	2	-
MISCELLANEOUS PRECISION METAL WORKERS	5	2	5	2	-	-	-	-	-	-	-	-
PRECISION WOODWORKING OCCUPATIONS	291	37	291	37	-	-	-	-	-	-	2	-
PATTERNMAKERS AND MODEL MAKERS, WOOD	29	-	29	-	-	-	-	-	-	-	-	-
CABINET MAKERS AND BENCH CARPENTERS	155	10	155	10	-	-	-	-	-	-	-	-
FURNITURE AND WOOD FINISHERS	87	27	87	27	-	-	-	-	-	-	-	-
MISCELLANEOUS PRECISION WOODWORKERS	20	-	20	-	-	-	-	-	-	-	2	-
PRECISION TEXTILE, APPAREL, AND FURNISHINGS MACHINE WORKERS	211	359	180	332	15	2	6	-	10	20	-	5
DRESSMAKERS	17	222	17	197	-	-	-	-	-	20	-	5
TAILORS	23	50	18	48	5	2	-	-	-	-	-	-
UPHOLSTERERS	117	63	101	63	-	-	6	-	10	-	-	-
SHOE REPAIRERS	48	-	38	-	10	-	-	-	-	-	-	-
APPAREL AND FABRIC PATTERNMAKERS	-	-	-	-	-	-	-	-	-	-	-	-
MISCELLANEOUS PRECISION APPAREL AND FABRIC WORKERS	6	24	6	24	-	-	-	-	-	-	-	-
PRECISION WORKERS, ASSORTED MATERIALS	430	282	400	266	26	11	-	-	-	-	11	11
HAND MOLDERS AND SHAPERS, EXCEPT JEWELERS	114	12	95	12	19	-	-	-	-	-	2	-
PATTERNMAKERS, LAY-OUT WORKERS, AND CUTTERS	20	-	18	-	-	-	-	-	-	-	2	-
OPTICAL GOODS WORKERS	89	104	89	104	-	-	-	-	-	-	-	-
DENTAL LABORATORY AND MEDICAL APPLIANCE TECHNICIANS	61	86	61	81	-	-	-	-	-	-	5	11
BOOKBINDERS	-	33	-	33	-	-	-	-	-	-	-	-
ELECTRICAL AND ELECTRONIC EQUIPMENT ASSEMBLERS	22	36	22	25	-	11	-	-	-	-	-	-
MISCELLANEOUS PRECISION WORKERS, N.E.C.	124	11	115	11	7	-	-	-	-	-	2	-
PRECISION FOOD PRODUCTION OCCUPATIONS	894	357	823	354	53	3	-	-	6	-	26	18
BUTCHERS AND MEAT CUTTERS	658	70	621	70	22	-	-	-	6	-	23	-
BAKERS	169	276	152	276	14	-	-	-	-	-	3	18
FOOD BATCHMAKERS	67	11	50	8	17	3	-	-	-	-	-	-
PRECISION INSPECTORS, TESTERS, AND RELATED WORKERS	261	49	245	38	8	7	-	-	-	-	10	4
INSPECTORS, TESTERS, AND GRADERS	261	49	245	38	8	7	-	-	-	-	10	4
ADJUSTERS AND CALIBRATORS	-	-	-	-	-	-	-	-	-	-	-	-
PLANT AND SYSTEM OPERATORS	972	75	918	63	48	12	-	-	-	-	6	-
WATER AND SEWAGE TREATMENT PLANT OPERATORS	74	17	74	17	-	-	-	-	-	-	4	-
POWER PLANT OPERATORS	113	17	113	17	-	-	-	-	-	-	-	-
STATIONARY ENGINEERS	489	22	473	16	16	6	-	-	-	-	2	-
MISCELLANEOUS PLANT AND SYSTEM OPERATORS	296	19	258	13	32	6	-	-	-	-	-	-
OPERATORS, FABRICATORS, AND LABORERS	53 980	13 304	48 856	11 456	4 070	1 447	122	34	58	105	1 675	545
MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS	26 056	8 733	23 344	7 429	2 141	1 073	71	10	39	89	913	341
MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION	16 162	5 056	14 398	4 313	1 399	590	45	10	28	67	621	199
METALWORKING AND PLASTIC WORKING MACHINE OPERATORS	3 945	858	3 578	771	277	67	26	-	7	-	103	40
LATHE AND TURNING MACHINE SET-UP OPERATORS	651	8	620	8	17	-	14	-	-	-	9	-
LATHE AND TURNING MACHINE OPERATORS	403	30	392	30	11	-	-	-	-	-	2	-
MILLING AND PLANING MACHINE OPERATORS	36	6	32	6	-	-	-	-	-	-	4	-
PUNCHING AND STAMPING PRESS MACHINE OPERATORS	1 187	561	1 011	508	141	41	-	-	-	-	51	27
ROLLING MACHINE OPERATORS	52	7	40	7	12	-	-	-	-	-	-	-
DRILLING AND BORING MACHINE OPERATORS	224	39	222	39	-	-	-	-	-	-	2	-
GRINDING, ABRADING, BUFFING, AND POLISHING MACHINE OPERATORS	1 055	173	955	145	73	20	4	-	7	-	35	13
FORGING MACHINE OPERATORS	47	-	43	-	4	-	-	-	-	-	-	-
NUMERICAL CONTROL MACHINE OPERATORS	12	-	12	-	-	-	-	-	-	-	-	-
MISCELLANEOUS METAL, PLASTIC, STONE, AND GLASS WORKING MACHINE OPERATORS	278	34	251	28	19	6	8	-	-	-	-	-

(1) PERSONS OF SPANISH ORIGIN MAY BE OF ANY RACE.

TABLE 219. (B) DETAILED OCCUPATION OF EMPLOYED PERSONS BY SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

[DATA ARE ESTIMATES BASED ON A SAMPLE; SEE INTRODUCTION. FOR MEANING OF SYMBOLS, SEE INTRODUCTION. FOR DEFINITIONS OF TERMS, SEE APPENDIXES A AND B]

TOLEDO, OH-MI SMSA

	SMSA											
	TOTAL		WHITE		BLACK		AMERICAN INDIAN, ESKIMO AND ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
FABRICATING MACHINE OPERATORS, N.E.C.	51	40	49	40	-	-	-	-	-	-	8	-
METAL AND PLASTIC PROCESSING MACHINE OPERATORS	914	231	792	193	77	38	6	-	-	-	85	2
MOLDING AND CASTING MACHINE OPERATORS	648	194	563	164	52	30	6	-	-	-	67	-
METAL PLATING MACHINE OPERATORS	116	17	104	17	5	-	-	-	-	-	7	2
HEAT TREATING EQUIPMENT OPERATORS	112	12	92	12	20	-	-	-	-	-	-	-
MISCELLANEOUS METAL AND PLASTIC PROCESSING MACHINE OPERATORS	38	8	33	-	-	8	-	-	-	-	11	-
WOODWORKING MACHINE OPERATORS	189	62	189	62	-	-	-	-	-	-	-	11
WOOD LATHE, ROUTING, AND PLANING MACHINE OPERATORS	-	7	-	7	-	-	-	-	-	-	-	-
SAWING MACHINE OPERATORS	122	29	122	29	-	-	-	-	-	-	-	-
SHAPING AND JOINING MACHINE OPERATORS	14	6	14	6	-	-	-	-	-	-	-	-
NAILING AND TACKING MACHINE OPERATORS	8	8	8	8	-	-	-	-	-	-	-	-
MISCELLANEOUS WOODWORKING MACHINE OPERATORS	45	12	45	12	-	-	-	-	-	-	-	11
PRINTING MACHINE OPERATORS	873	310	846	291	12	13	-	-	-	6	19	4
PRINTING MACHINE OPERATORS	691	127	664	121	12	-	-	-	-	6	19	4
PHOTOENGRAVERS AND LITHOGRAPHERS	39	12	39	12	-	-	-	-	-	-	-	-
TYPESETTERS AND COMPOSITORS	87	93	87	93	-	-	-	-	-	-	-	-
MISCELLANEOUS PRINTING MACHINE OPERATORS	56	78	56	65	-	13	-	-	-	-	-	-
TEXTILE, APPAREL, AND FURNISHINGS MACHINE OPERATORS	270	917	212	691	58	190	-	8	-	17	7	27
WINDING AND TWISTING MACHINE OPERATORS	2	2	2	2	-	-	-	-	-	-	-	-
KNITTING, LOOPING, TAPING, AND WEAVING MACHINE OPERATORS	17	2	17	2	-	-	-	-	-	-	-	-
TEXTILE CUTTING MACHINE OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-
TEXTILE SEWING MACHINE OPERATORS	14	346	14	290	-	41	-	-	-	10	-	5
SHOE MACHINE OPERATORS	-	2	-	2	-	-	-	-	-	-	-	-
PRESSING MACHINE OPERATORS	7	119	7	64	-	48	-	-	-	7	-	-
LAUNDERING AND DRY CLEANING MACHINE OPERATORS	175	423	124	315	51	94	-	8	-	-	-	22
MISCELLANEOUS TEXTILE MACHINE OPERATORS	55	23	48	16	7	7	-	-	-	-	7	-
MACHINE OPERATORS, ASSORTED MATERIALS	9 920	2 638	8 732	2 265	975	282	13	2	21	44	399	115
CEMENTING AND GLUING MACHINE OPERATORS	37	82	37	55	-	17	-	-	-	6	-	4
PACKAGING AND FILLING MACHINE OPERATORS	172	165	162	160	5	-	-	-	-	5	15	-
EXTRUDING AND FORMING MACHINE OPERATORS	136	9	127	9	7	-	-	-	-	-	2	-
MIXING AND BLENDING MACHINE OPERATORS	410	32	367	32	32	-	4	-	-	-	7	-
SEPARATING, FILTERING, AND CLARIFYING MACHINE OPERATORS	154	16	154	16	-	-	-	-	-	-	-	-
COMPRESSING AND COMPACTING MACHINE OPERATORS	50	26	43	26	-	-	-	-	-	-	10	-
PAINTING AND PAINT SPRAYING MACHINE OPERATORS	500	101	448	79	40	22	2	-	1	-	15	-
ROASTING AND BAKING MACHINE OPERATORS, FOOD	35	-	29	-	6	-	-	-	-	-	-	-
WASHING, CLEANING, AND PICKLING MACHINE OPERATORS	38	21	30	21	6	-	-	-	-	-	3	-
FOLDING MACHINE OPERATORS	50	36	41	26	9	10	-	-	-	-	-	-
FURNACE, KILN, AND OVEN OPERATORS, EXCEPT FOOD	931	38	810	38	99	-	-	-	-	-	45	-
CRUSHING AND GRINDING MACHINE OPERATORS	263	22	217	16	46	6	-	-	-	-	-	6
SLICING AND CUTTING MACHINE OPERATORS	842	185	716	170	94	13	6	-	-	1	31	7
MOTION PICTURE PROJECTIONISTS	31	2	31	2	-	-	-	-	-	-	-	-
PHOTOGRAPHIC PROCESS MACHINE OPERATORS	48	160	42	153	6	7	-	-	-	-	-	-
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS	6 223	1 743	5 478	1 462	625	207	1	2	20	32	271	98
OCCUPATION:												
MISCELLANEOUS MACHINE OPERATORS, N.E.C.	1 642	424	1 510	372	107	50	-	-	-	2	53	24
MACHINE OPERATORS, NOT SPECIFIED	4 581	1 319	3 968	1 090	518	157	1	2	20	30	218	74
INDUSTRY:												
MANUFACTURING	5 719	1 591	5 039	1 330	576	195	1	2	18	24	257	98
NONDURABLE GOODS	1 261	677	1 110	573	143	59	-	2	-	17	67	45
FOOD AND KINDRED PRODUCTS	257	133	240	87	17	27	-	-	-	5	11	23
TOBACCO MANUFACTURES	-	-	-	-	-	-	-	-	-	-	-	-
TEXTILE MILL PRODUCTS	105	16	99	11	6	5	-	-	-	-	5	-
APPAREL AND OTHER FINISHED TEXTILE PRODUCTS	16	22	16	15	-	7	-	-	-	-	1	-
PAPER AND ALLIED PRODUCTS	331	129	276	112	49	11	-	-	-	-	11	6
PRINTING, PUBLISHING, AND ALLIED INDUSTRIES	37	33	37	33	-	-	-	-	-	-	-	2
CHEMICALS AND ALLIED PRODUCTS	247	93	221	91	26	-	-	-	-	-	13	2
PETROLEUM AND COAL PRODUCTS	38	22	19	16	19	6	-	-	-	-	-	6
RUBBER AND MISCELLANEOUS PLASTICS PRODUCTS	230	229	202	208	26	3	-	2	-	12	26	6
LEATHER AND LEATHER PRODUCTS	-	-	-	-	-	-	-	-	-	-	-	-
DURABLE GOODS	4 456	905	3 927	753	433	136	1	-	18	2	190	53
LUMBER AND WOOD PRODUCTS, EXCEPT FURNITURE	20	6	20	-	-	-	-	-	-	-	-	-
FURNITURE AND FIXTURES	54	46	54	38	-	6	-	-	-	-	-	2
STONE, CLAY, GLASS, AND CONCRETE PRODUCTS	720	84	676	69	30	15	1	-	-	-	26	-
PRIMARY METAL INDUSTRIES	481	74	357	56	113	18	-	-	-	-	39	17
BLAST FURNACES, STEELWORKS, ROLLING AND FINISHING MILLS	219	11	169	-	50	11	-	-	-	-	5	-

(1) PERSONS OF SPANISH ORIGIN MAY BE OF ANY RACE.

TABLE 219. (B) DETAILED OCCUPATION OF EMPLOYED PERSONS BY SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

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TOLEDO, OH-MI SMSA

	SMSA											
	TOTAL		WHITE		BLACK		AMERICAN INDIAN, ESKIMO AND ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS-CON. INDUSTRY-CON.												
FABRICATED METAL INDUSTRIES	480	145	403	117	61	28	-	-	7	-	19	2
MACHINERY, EXCEPT ELECTRICAL	523	95	481	91	22	4	-	-	-	-	36	9
ELECTRICAL MACHINERY, EQUIPMENT, AND SUPPLIES	376	175	358	148	18	25	-	-	-	2	6	8
TRANSPORTATION EQUIPMENT	1 676	179	1 473	137	179	36	-	-	-	-	64	15
MOTOR VEHICLES AND MOTOR VEHICLE EQUIPMENT	1 591	154	1 395	112	172	36	-	-	-	-	64	15
OTHER TRANSPORTATION EQUIPMENT	85	25	78	25	7	-	-	-	-	-	-	-
PROFESSIONAL AND PHOTOGRAPHIC EQUIPMENT, AND WATCHES	31	66	29	62	2	4	-	-	-	-	-	-
MISCELLANEOUS MANUFACTURING INDUSTRIES	95	35	76	35	8	-	-	-	11	-	-	-
NOT SPECIFIED MANUFACTURING INDUSTRIES	2	9	2	4	-	-	-	-	-	5	-	-
NONMANUFACTURING INDUSTRIES	504	152	439	132	49	12	-	-	2	8	14	-
CONSTRUCTION	75	-	75	-	-	-	-	-	-	-	-	-
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	194	-	168	-	26	-	-	-	-	-	-	-
WHOLESALE TRADE	69	49	67	41	-	-	-	-	2	8	-	-
RETAIL TRADE	51	9	51	9	-	-	-	-	-	-	-	-
BUSINESS AND REPAIR SERVICES	42	43	19	43	9	-	-	-	-	-	14	-
PUBLIC ADMINISTRATION	11	11	5	11	6	-	-	-	-	-	-	-
ALL OTHER INDUSTRIES	62	40	54	28	8	12	-	-	-	-	-	-
FABRICATORS, ASSEMBLERS, AND HAND WORKING OCCUPATIONS	7 260	2 281	6 500	1 906	605	328	23	-	6	16	213	79
WELDERS AND CUTTERS	2 863	126	2 677	120	123	6	23	-	6	-	73	7
SOLDERERS AND BRAZERS	23	18	23	16	-	-	-	-	-	-	-	2
ASSEMBLERS	4 152	2 071	3 578	1 709	482	317	-	-	-	16	130	64
HAND CUTTING AND TRIMMING OCCUPATIONS	32	6	32	6	-	-	-	-	-	-	3	6
HAND MOLDING, CASTING, AND FORMING OCCUPATIONS	17	21	17	21	-	-	-	-	-	-	-	-
HAND PAINTING, COATING AND DECORATING OCCUPATIONS	129	28	129	28	-	-	-	-	-	-	7	-
HAND ENGRAVING AND PRINTING OCCUPATIONS	11	-	11	-	-	-	-	-	-	-	-	-
HAND GRINDING AND POLISHING OCCUPATIONS	-	2	-	2	-	-	-	-	-	-	-	-
MISCELLANEOUS HAND WORKING OCCUPATIONS	33	9	33	4	-	5	-	-	-	-	-	-
PRODUCTION INSPECTORS, TESTERS, SAMPLERS, AND WEIGHERS	2 634	1 396	2 446	1 210	137	155	3	-	5	6	79	63
PRODUCTION INSPECTORS, CHECKERS, AND EXAMINERS	2 374	1 303	2 199	1 123	126	149	3	-	5	6	77	62
PRODUCTION TESTERS	152	41	148	41	4	-	-	-	-	-	-	-
PRODUCTION SAMPLERS AND WEIGHERS	19	-	19	-	-	-	-	-	-	-	-	-
GRADERS AND SORTERS, EXCEPT AGRICULTURAL	89	52	80	46	7	6	-	-	-	-	2	1
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	15 937	1 656	14 777	1 455	932	155	10	14	8	-	425	38
MOTOR VEHICLE OPERATORS	9 391	1 445	8 788	1 291	502	151	3	-	-	-	180	9
SUPERVISORS, MOTOR VEHICLE OPERATORS	87	6	87	6	-	-	-	-	-	-	-	-
TRUCK DRIVERS, HEAVY	6 145	106	5 791	94	317	9	-	-	-	-	87	3
TRUCK DRIVERS, LIGHT	1 866	142	1 774	142	67	-	3	-	-	-	35	-
DRIVER-SALES WORKERS	593	127	561	122	32	5	-	-	-	-	4	-
BUS DRIVERS	347	974	293	855	32	119	-	-	-	-	30	6
TAXICAB DRIVERS AND CHAUFFEURS	287	84	223	66	47	18	-	-	-	-	16	-
PARKING LOT ATTENDANTS	60	6	53	6	7	-	-	-	-	-	8	-
MOTOR TRANSPORTATION OCCUPATIONS, N.E.C.	6	-	6	-	-	-	-	-	-	-	-	-
RAIL TRANSPORTATION OCCUPATIONS	1 983	5	1 958	5	21	-	-	-	-	-	23	-
RAILROAD CONDUCTORS AND YARDMASTERS	549	5	543	5	6	-	-	-	-	-	5	-
LOCOMOTIVE OPERATING OCCUPATIONS	753	-	749	-	4	-	-	-	-	-	-	-
RAILROAD BRAKE, SIGNAL, AND SWITCH OPERATORS	602	-	587	-	11	-	-	-	-	-	18	-
RAIL VEHICLE OPERATORS, N.E.C.	79	-	79	-	-	-	-	-	-	-	-	-
WATER TRANSPORTATION OCCUPATIONS	100	-	93	-	7	-	-	-	-	-	-	-
SHIP CAPTAINS AND MATES, EXCEPT FISHING BOATS	21	-	21	-	-	-	-	-	-	-	-	-
SAILORS AND DECKHANDS	50	-	50	-	-	-	-	-	-	-	-	-
MARINE ENGINEERS	18	-	18	-	-	-	-	-	-	-	-	-
BRIDGE, LOCK, AND LIGHTHOUSE TENDERS	11	-	4	-	7	-	-	-	-	-	-	-
MATERIAL MOVING EQUIPMENT OPERATORS	4 463	206	3 938	159	402	4	7	14	8	-	222	29
SUPERVISORS, MATERIAL MOVING EQUIPMENT OPERATORS	174	-	167	-	-	-	7	-	-	-	12	-
OPERATING ENGINEERS	476	-	474	-	2	-	-	-	-	-	14	-
LONGSHORE EQUIPMENT OPERATORS	22	-	22	-	-	-	-	-	-	-	-	-
HOIST AND WINCH OPERATORS	16	-	2	-	14	-	-	-	-	-	-	-
CRANE AND TOWER OPERATORS	571	2	498	2	62	-	-	-	-	-	28	-
EXCAVATING AND LOADING MACHINE OPERATORS	125	5	117	5	5	-	-	-	-	-	10	-
GRADER, DOZER, AND SCRAPER OPERATORS	101	14	101	14	-	-	-	-	-	-	-	-
INDUSTRIAL TRUCK AND TRACTOR EQUIPMENT OPERATORS	2 277	104	1 939	77	258	4	-	6	2	-	120	17
MISCELLANEOUS MATERIAL MOVING EQUIPMENT OPERATORS	701	81	618	61	61	-	-	8	6	-	38	12

(1) PERSONS OF SPANISH ORIGIN MAY BE OF ANY RACE.

TABLE 219. (B) DETAILED OCCUPATION OF EMPLOYED PERSONS BY SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

[DATA ARE ESTIMATES BASED ON A SAMPLE; SEE INTRODUCTION. FOR MEANING OF SYMBOLS, SEE INTRODUCTION. FOR DEFINITIONS OF TERMS, SEE APPENDIXES A AND B]

TOLEDO, OH-MI SMSA

	SMSA											
	TOTAL		WHITE		BLACK		AMERICAN INDIAN, ESKIMO AND ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS	11 987	2 915	10 735	2 572	997	219	41	10	11	16	337	166
SUPERVISORS; HANDLERS, EQUIPMENT CLEANERS, AND LABORERS, N.E.C.	3	-	3	-	-	-	-	-	-	-	-	-
HELPERS, MECHANICS AND REPAIRERS	34	6	34	6	-	-	-	-	-	-	-	-
HELPERS, CONSTRUCTION AND EXTRACTIVE OCCUPATIONS	236	4	198	4	29	-	-	-	-	-	11	-
HELPERS, CONSTRUCTION TRADES	214	4	176	4	29	-	-	-	-	-	11	-
HELPERS, SURVEYOR	4	-	4	-	-	-	-	-	-	-	-	-
HELPERS, EXTRACTIVE OCCUPATIONS	18	-	18	-	-	-	-	-	-	-	-	-
CONSTRUCTION LABORERS	1 579	20	1 389	20	161	-	-	-	4	-	34	-
PRODUCTION HELPERS	241	52	186	41	47	6	-	-	-	5	13	6
FREIGHT, STOCK, AND MATERIAL HANDLERS	4 127	702	3 858	658	194	30	11	-	5	-	92	37
GARBAGE COLLECTORS	183	-	122	-	53	-	-	-	-	-	11	-
STEVEDORES	78	-	49	-	24	-	5	-	-	-	-	-
STOCK HANDLERS AND BAGGERS	1 862	560	1 790	532	44	20	6	-	5	-	18	23
MACHINE FEEDERS AND OFFBEARERS	152	75	143	69	8	-	-	-	-	-	10	14
FREIGHT, STOCK, AND MATERIAL HANDLERS, N.E.C.	1 852	67	1 754	57	65	10	-	-	-	-	53	-
GARAGE AND SERVICE STATION RELATED OCCUPATIONS	1 204	84	1 123	84	60	-	14	-	-	-	27	-
VEHICLE WASHERS AND EQUIPMENT CLEANERS	440	90	358	69	64	19	-	-	2	-	17	2
HAND PACKERS AND PACKAGERS	728	1 152	666	1 048	58	65	-	6	-	5	4	45
LABORERS, EXCEPT CONSTRUCTION	3 395	805	2 920	642	384	99	16	4	-	6	139	76
MANUFACTURING	1 781	446	1 530	362	206	48	-	4	-	6	73	37
NONDURABLE GOODS	399	203	352	157	38	30	-	2	-	-	12	16
FOOD AND KINDRED PRODUCTS	94	52	88	39	-	11	-	-	-	-	6	4
TEXTILE MILL AND FINISHED TEXTILE PRODUCTS	13	4	7	4	6	-	-	-	-	-	-	-
PAPER AND ALLIED PRODUCTS	49	48	49	34	-	12	-	2	-	-	-	-
CHEMICALS AND ALLIED PRODUCTS	126	15	123	15	-	-	-	-	-	-	-	-
RUBBER AND MISCELLANEOUS PLASTICS PRODUCTS	57	50	57	31	-	7	-	-	-	-	4	12
OTHER NONDURABLE GOODS	60	34	28	34	32	-	-	-	-	-	2	-
DURABLE GOODS	1 370	243	1 166	205	168	18	-	2	-	6	61	21
FURNITURE, LUMBER, AND WOOD PRODUCTS	31	40	23	40	8	-	-	-	-	-	2	9
STONE, CLAY, GLASS, AND CONCRETE PRODUCTS	302	31	268	19	28	6	-	-	-	-	6	6
PRIMARY METAL INDUSTRIES	289	14	203	14	72	-	-	-	-	-	16	-
FABRICATED METAL INDUSTRIES	203	51	178	37	25	-	-	2	-	6	14	6
MACHINERY, EXCEPT ELECTRICAL	86	15	64	15	15	-	-	-	-	-	12	-
ELECTRICAL MACHINERY, EQUIPMENT, AND SUPPLIES	75	45	75	38	-	7	-	-	-	-	2	-
TRANSPORTATION EQUIPMENT	368	39	341	34	20	5	-	-	-	-	7	-
MOTOR VEHICLES AND MOTOR VEHICLE EQUIPMENT	340	30	313	25	20	5	-	-	-	-	7	-
OTHER DURABLE GOODS	16	8	14	8	-	-	-	-	-	-	2	-
NOT SPECIFIED MANUFACTURING INDUSTRIES	12	-	12	-	-	-	-	-	-	-	-	-
NONMANUFACTURING INDUSTRIES	1 614	359	1 390	280	178	51	16	-	-	-	66	39
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	400	38	334	20	54	18	-	-	-	-	12	-
WHOLESALE TRADE	552	84	459	84	71	-	11	-	-	-	45	-
RETAIL TRADE	255	69	233	64	17	2	5	-	-	-	2	6
BUSINESS AND REPAIR SERVICES	102	10	102	10	-	-	-	-	-	-	-	-
PUBLIC ADMINISTRATION	54	8	43	8	11	-	-	-	-	-	-	-
ALL OTHER INDUSTRIES	251	150	219	94	25	31	-	-	-	-	7	33

(1) PERSONS OF SPANISH ORIGIN MAY BE OF ANY RACE.