TABLE 221. OCCUPATION OF EMPLOYED PERSONS BY AGE, 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]

MINNESOTA	TOTAL, 16 YEARS AND OVER	16 AND 17 YEARS	18 AND 19 YEARS	20 TO 24 YEARS	25 TO 29 YEARS	30 TO 34 YEARS	35 TO 44 YEARS	45 TO 54 YEARS	55 TO 59 YEARS	60 TO 64 YEARS	65 YEARS AND OVER	MEDIAN AGE
TOTAL												
EMPLOYED MALES 16 YEARS AND OVER	1 065 148	36 395	48 476	148 239	157 236	142 976	205 014	168 749	75 363	49 077	33 623	35.0
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS	263 201	442	1 881	18 516	38 501	46 148	69 068	51 273	19 505	11 308	6 559	38.3
EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS	143 444	232	1 166	9 568	18 643	23 348	37 645	30 236	11 950	7 334	3 322	39.5
OFFICIALS AND ADMINISTRATORS, PUBLIC ADMINISTRATION	4 035	-	14	79	395	600	990	1 133	407	290	127	44.4
ADMINISTRATORS, EDUCATION AND RELATED FIELDS	4 072	-	23	82	246	514	1 339	1 335	350	153	30	43.8
MANAGERS, MEDICINE AND HEALTH	989	-	12	24	142	205	289	172	80	25	40	38.4
OTHER SPECIFIED MANAGERS	23 479	-	75	1 129	2 856	4 488	6 742	4 810	1 850	1 046	483	39.0
MANAGERS AND ADMINISTRATORS, N.E.C.,												
SALARIED	71 546	172	876	4 939	8 463	10 481	19 357	15 741	6 256	3 709	1 552	40.1
MANUFACTURING	21 918	10	50	720	1 809	3 079	7 422	5 549	1 945	1 020	314	42.0
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	5 642	-	5	200	436	754	1 490	1 623	682	358	94	44.5
WHOLESALE AND RETAIL TRADE	20 305	101	522	2 518	3 397	2 995	4 439	3 408	1 381	1 008	536	36.2
ALL OTHER INDUSTRIES	23 681	61	299	1 501	2 821	3 653	6 006	5 161	2 248	1 323	608	40.2
MANAGERS AND ADMINISTRATORS, N.E.C.,												
SELF-EMPLOYED	7 290	10	28	279	797	968	1 808	1 751	782	493	374	43.7
CONSTRUCTION	1 182	-	11	84	169	175	302	238	92	59	52	40.7
MANUFACTURING	800	-	7	13	83	111	216	187	76	64	43	43.6
WHOLESALE AND RETAIL TRADE	2 891	-	10	88	272	375	741	724	336	197	148	44.4
ALL OTHER INDUSTRIES	2 417	10	-	94	273	307	549	602	278	173	131	44.6
MANAGEMENT RELATED OCCUPATIONS	32 033	50	138	3 036	5 744	6 092	7 120	5 294	2 225	1 618	716	36.1
ACCOUNTANTS AND AUDITORS	12 862	15	25	1 738	2 672	2 612	2 570	1 668	761	545	256	33.8
BUYERS AND PURCHASING AGENTS	5 243	20	45	357	1 016	891	1 186	909	371	354	94	37.2
PROFESSIONAL SPECIALTY OCCUPATIONS	119 757	210	715	8 948	19 858	22 800	31 423	21 037	7 555	3 974	3 237	37.0
ENGINEERS, ARCHITECTS, AND SURVEYORS	23 975	8	32	1 932	3 845	4 234	6 504	4 451	1 840	827	302	37.7
ARCHITECTS	1 811	-	13	94	334	407	472	310	96	48	37	36.1
ENGINEERS	21 454	8	17	1 708	3 372	3 715	5 872	4 032	1 718	757	255	37.9
ELECTRICAL AND ELECTRONIC ENGINEERS	5 424	4	-	663	920	947	1 565	854	357	89	25	35.9
MECHANICAL ENGINEERS	3 594	-	2	215	552	705	979	743	244	101	53	38.2
OTHER ENGINEERS	12 436	4	15	830	1 900	2 063	3 328	2 435	1 117	567	177	38.9
SURVEYORS AND MAPPING SCIENTISTS	710	-	2	130	139	112	160	109	26	22	10	33.8
MATHEMATICAL AND COMPUTER SCIENTISTS	4 562	-	17	331	813	1 277	1 390	563	100	49	22	34.4
COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS	3 449	-	17	258	658	951	1 085	399	52	24	5	34.2
NATURAL SCIENTISTS	3 864	7	21	313	862	773	887	558	285	84	74	34.7
HEALTH DIAGNOSING OCCUPATIONS	10 802	-	-	80	1 621	2 067	2 419	2 229	1 144	568	674	41.3
PHYSICIANS	6 776	-	-	40	1 018	1 360	1 613	1 322	638	344	441	40.6
DENTISTS	2 399	-	-	9	328	392	573	525	289	133	150	42.8
OTHER HEALTH DIAGNOSING PRACTITIONERS	1 627	-	-	31	275	315	233	382	217	91	83	42.9
HEALTH ASSESSMENT AND TREATING OCCUPATIONS	4 797	-	10	457	1 346	1 019	839	721	171	117	117	32.9
REGISTERED NURSES	1 337	-	10	124	478	396	177	119	9	18	6	30.7
PHARMACISTS	1 932	-	-	92	332	311	446	453	115	84	99	39.6
THERAPISTS	1 119	-	-	153	348	249	189	131	28	15	6	31.2
TEACHERS, LIBRARIANS, AND COUNSELORS	37 735	46	306	2 563	5 013	7 143	11 829	7 192	2 055	1 070	518	37.8
TEACHERS, POSTSECONDARY	7 871	-	103	656	858	1 143	2 339	1 720	521	322	209	40.0
TEACHERS, ELEMENTARY AND PRE-KINDERGARTEN	13 337	6	11	641	1 794	2 928	4 539	2 509	573	217	119	37.4
TEACHERS, SECONDARY	11 174	13	53	617	1 486	2 199	3 679	2 109	621	334	63	37.9
SOCIAL SCIENTISTS AND URBAN PLANNERS	2 775	-	-	139	527	598	823	452	131	64	41	36.3
SOCIAL AND RECREATION WORKERS	3 626	11	49	383	829	801	804	489	129	64	67	33.4
RELIGIOUS WORKERS	6 135	-	12	251	782	886	1 413	1 313	510	407	561	43.0
LAWYERS AND JUDGES	7 582	-	-	172	1 390	1 851	1 716	1 214	435	288	516	36.8
WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES	13 904	138	268	2 327	2 830	2 151	2 799	1 855	755	436	345	33.2
TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS	201 089	4 549	8 556	28 246	32 609	28 945	39 147	29 680	14 243	8 537	6 577	34.6
TECHNICIANS AND RELATED SUPPORT OCCUPATIONS	36 723	116	671	6 122	7 955	6 952	8 627	4 003	1 427	618	232	32.5
HEALTH TECHNOLOGISTS AND TECHNICIANS	2 516	5	80	411	668	413	486	266	99	79	9	31.1
LICENSED PRACTICAL NURSES	139	-	2	26	31	28	29	12	7	4	-	31.9
ENGINEERING AND SCIENCE TECHNICIANS	19 122	74	395	3 744	4 096	3 394	3 818	2 238	804	391	168	31.8
ELECTRICAL AND ELECTRONIC TECHNICIANS	6 248	21	117	1 292	1 367	1 301	1 291	637	167	41	14	31.3
DRAFTING AND SURVEYING TECHNICIANS	6 386	35	168	1 260	1 425	1 087	1 232	681	255	159	84	31.4
TECHNICIANS, EXCEPT HEALTH, ENGINEERING, AND SCIENCE	15 085	37	196	1 967	3 191	3 145	4 323	1 499	524	148	55	33.4
AIRPLANE PILOTS AND NAVIGATORS	1 746	-	5	36	141	292	890	279	88	15	-	39.3
COMPUTER PROGRAMMERS	6 899	23	109	1 098	1 723	1 657	1 758	457	39	28	7	31.5
SALES OCCUPATIONS	98 827	3 149	4 274	11 462	14 171	13 450	19 688	15 558	7 593	5 078	4 404	36.3
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS	18 323	121	388	1 845	2 702	2 935	4 147	3 029	1 583	998	575	37.6
SELF-EMPLOYED	4 807	-	36	164	393	576	1 243	1 066	599	430	300	44.9
SALES REPRESENTATIVES, FINANCE AND BUSINESS SERVICES	24 760	60	80	1 673	3 409	3 914	5 815	4 865	2 071	1 447	1 426	40.1
SALES REPRESENTATIVES, COMMODITIES, EXCEPT RETAIL	23 404	53	188	1 783	3 733	3 569	5 592	4 385	2 075	1 207	819	38.7
SALES WORKERS, RETAIL AND PERSONAL SERVICES	32 045	2 905	3 610	6 141	4 291	3 011	4 073	3 226	1 817	1 398	1 573	28.9
CASHIERS	3 894	792	939	930	352	155	209	151	118	92	156	20.8
SALES RELATED OCCUPATIONS	295	10	8	20	36	21	61	53	47	28	11	42.5

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MINNESOTA	TOTAL, 16 YEARS AND OVER	16 AND 17 YEARS	18 AND 19 YEARS	20 TO 24 YEARS	25 TO 29 YEARS	30 TO 34 YEARS	35 TO 44 YEARS	45 TO 54 YEARS	55 TO 59 YEARS	60 TO 64 YEARS	65 YEARS AND OVER	MEDIAN AGE
TOTAL												
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL	65 539	1 284	3 611	10 662	10 483	8 543	10 832	10 119	5 223	2 841	1 941	33.9
SUPERVISORS, ADMINISTRATIVE SUPPORT OCCUPATIONS	7 416	18	34	488	957	1 253	1 914	1 730	687	234	101	39.3
COMPUTER EQUIPMENT OPERATORS	2 741	32	148	748	647	479	435	181	61	10	-	28.4
SECRETARIES, STENOGRAPHERS, AND TYPISTS	1 301	44	92	211	225	166	150	154	76	87	96	32.4
SECRETARIES	756	33	61	145	148	62	55	60	43	66	83	29.7
RECEPTIONISTS	476	18	63	210	75	21	38	13	16	2	20	23.6
FILE CLERKS	1 013	49	136	232	146	95	115	142	66	19	13	28.1
FINANCIAL RECORDS PROCESSING OCCUPATIONS	5 145	38	195	921	894	626	703	767	373	309	319	34.2
BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS	3 868	24	140	698	628	469	512	582	290	224	301	34.7
TELEPHONE OPERATORS	445	-	76	134	84	54	44	20	24	3	6	25.7
MAIL AND MESSAGE DISTRIBUTING OCCUPATIONS	9 683	159	335	994	1 192	1 155	1 480	2 254	1 213	566	335	42.2
TRAFFIC, SHIPPING, STOCK AND INVENTORY CLERKS	13 425	533	1 303	2 894	2 253	1 453	1 867	1 426	874	559	263	29.4
INSURANCE ADJUSTERS, EXAMINERS, AND INVESTIGATORS	1 353	-	-	180	222	275	274	234	93	60	15	35.0
BANK TELLERS	593	3	80	208	114	69	42	47	2	11	17	25.2
DATA-ENTRY KEYERS	551	7	52	168	121	69	51	36	40	7	-	27.0
OTHER ADMINISTRATIVE SUPPORT OCCUPATIONS	21 397	383	1 097	3 274	3 553	2 828	3 719	3 115	1 698	974	756	34.2
SERVICE OCCUPATIONS	93 938	14 722	10 496	16 002	10 459	7 638	10 019	9 521	5 680	4 564	4 837	27.7
PRIVATE HOUSEHOLD OCCUPATIONS	271	61	21	23	20	28	7	25	28	9	49	31.9
PROTECTIVE SERVICE OCCUPATIONS	15 233	131	469	1 938	2 278	2 495	3 214	2 441	993	557	717	35.8
FIREFIGHTING OCCUPATIONS	1 637	4	10	83	215	311	453	394	114	38	15	39.3
POLICE AND DETECTIVES, PUBLIC SERVICE	4 917	-	6	404	927	1 109	1 399	760	232	54	26	35.1
GUARDS	5 460	127	445	1 224	590	491	570	610	431	378	594	33.5
OTHER PROTECTIVE SERVICE OCCUPATIONS	3 219	-	8	227	546	584	792	677	216	87	82	37.9
SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD	78 434	14 530	10 006	14 041	8 161	5 115	6 798	7 055	4 659	3 998	4 071	25.4
FOOD PREPARATION AND SERVICE OCCUPATIONS	30 268	10 166	5 480	6 152	2 437	1 310	1 504	1 367	745	565	542	19.8
WAITERS AND FOOD COUNTER WORKERS	2 839	788	547	759	277	126	77	92	80	38	55	20.5
COOKS	11 760	4 528	2 705	2 268	763	367	417	307	137	137	131	19.0
HEALTH SERVICE OCCUPATIONS	4 806	458	448	1 395	1 036	470	366	279	138	110	106	25.5
NURSING AIDES, ORDERLIES, AND ATTENDANTS	3 900	251	340	1 152	918	366	332	232	133	97	79	26.1
CLEANING AND BUILDING SERVICE OCCUPATIONS EXC. HOUSEHOLD	37 041	3 356	3 486	5 409	3 744	2 634	3 895	4 764	3 547	3 075	3 131	34.8
PERSONAL SERVICE OCCUPATIONS	6 319	550	592	1 085	944	701	1 033	645	229	248	292	29.9
BARBERS, HAIRDRESSERS AND COSMETOLOGISTS	2 498	-	9	203	376	345	717	417	97	124	210	38.9
FARMING, FORESTRY, AND FISHING OCCUPATIONS	91 304	3 688	4 068	10 477	9 771	7 676	14 493	17 255	8 964	7 398	7 514	41.9
FARM OPERATORS AND MANAGERS	66 831	4	694	4 825	6 724	6 134	12 552	15 330	8 052	6 434	6 082	46.7
FARM OCCUPATIONS, EXCEPT MANAGERIAL	17 772	3 384	2 902	4 369	1 831	917	1 078	1 118	547	589	1 037	22.5
RELATED AGRICULTURAL OCCUPATIONS	4 432	241	296	926	813	319	475	527	259	247	329	29.6
FORESTRY AND FISHING OCCUPATIONS	2 269	59	176	357	403	306	388	280	106	128	66	32.3
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS	194 814	1 617	6 001	30 455	31 549	27 666	38 716	32 136	13 994	8 831	3 849	35.0
MECHANICS AND REPAIRERS	64 515	857	2 452	11 628	10 809	9 316	11 857	9 627	4 152	2 616	1 201	33.5
AUTOMOBILE MECHANICS, INCLUDING BODY	21 485	337	1 294	4 984	3 833	2 875	3 326	2 547	1 177	756	356	30.5
AIRCRAFT MECHANICS	2 041	13	13	219	222	351	523	356	209	129	6	38.2
HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS	1 428	6	10	270	274	173	323	191	88	59	34	34.5
OTHER MECHANICS AND REPAIRERS	39 561	501	1 135	6 155	6 480	5 917	7 685	6 533	2 678	1 672	805	34.7
CONSTRUCTION TRADES	70 931	379	1 897	11 070	11 823	10 087	14 242	11 656	5 088	3 099	1 590	35.1
CARPENTERS	22 001	150	787	4 490	4 273	2 819	3 649	2 669	1 444	1 079	641	32.3
ELECTRICIANS	8 998	26	94	1 214	1 389	1 591	1 988	1 558	646	331	161	35.8
PAINTERS, CONSTRUCTION AND MAINTENANCE	5 051	90	299	971	784	591	804	710	321	275	206	33.2
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	7 215	20	87	875	978	1 003	1 630	1 434	618	342	228	38.2
OTHER CONSTRUCTION TRADES	27 666	93	630	3 520	4 399	4 083	6 171	5 285	2 059	1 072	354	36.7
EXTRACTIVE OCCUPATIONS	2 150	1	25	175	348	300	393	517	266	122	3	40.2
PRECISION PRODUCTION OCCUPATIONS	57 218	380	1 627	7 582	8 569	7 963	12 224	10 336	4 488	2 994	1 055	36.9
SUPERVISORS, PRODUCTION OCCUPATIONS	21 759	31	185	1 707	3 056	3 138	5 627	4 862	1 833	1 083	237	39.6
MANUFACTURING	15 239	12	104	1 161	2 078	2 391	4 084	3 368	1 233	685	123	39.2
PRECISION METALWORKING OCCUPATIONS	15 096	49	514	2 655	2 479	2 123	2 883	2 341	1 039	802	211	34.4
TOOL AND DIE MAKERS	3 124	-	62	405	445	445	715	592	208	220	32	37.5
MACHINISTS	8 515	29	365	1 734	1 546	1 153	1 503	1 139	523	379	144	32.5
SHEET METAL WORKERS	2 158	13	52	332	279	348	404	391	208	117	14	36.2
OTHER PRECISION METAL WORKERS	1 299	7	35	184	209	177	261	219	100	86	21	36.2
PRECISION TEXTILE, APPAREL, AND FURNISHINGS MACHINE WORKERS	1 430	12	55	178	176	132	200	226	157	127	167	43.0
PLANT AND SYSTEM OPERATORS	4 732	8	4	438	574	642	1 056	1 009	548	363	90	41.6
OTHER PRECISION PRODUCTION OCCUPATIONS	14 201	280	869	2 604	2 284	1 928	2 458	1 898	911	619	350	32.8

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TOTAL												
OPERATORS, FABRICATORS, AND LABORERS	220 802	11 377	17 474	44 543	34 347	24 903	33 571	28 884	12 977	8 439	4 287	30.5
MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS	88 038	1 697	5 793	19 227	15 465	10 967	13 619	10 973	5 101	3 770	1 426	30.8
MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION	55 510	1 064	3 612	12 001	9 279	6 937	8 696	7 238	3 421	2 334	928	31.3
METALWORKING AND PLASTIC WORKING MACHINE OPERATORS	8 940	123	615	1 978	1 501	1 189	1 384	1 030	565	416	139	31.1
PRINTING MACHINE OPERATORS	7 881	107	387	1 652	1 195	992	1 486	1 213	483	261	105	33.0
TEXTILE, APPAREL, AND FURNISHINGS MACHINE OPERATORS	1 770	110	135	361	269	168	240	235	109	89	54	30.3
TEXTILE MACHINE OPERATORS	478	3	24	128	83	70	75	35	33	16	11	30.1
TEXTILE SEWING MACHINE OPERATORS	145	3	21	26	33	7	25	17	2	3	8	28.4
LAUNDERING AND DRYCLEANING MACHINE OPERATORS	890	96	75	160	119	67	99	131	55	67	21	29.8
OTHER SPECIFIED MACHINE OPERATORS	19 327	409	1 310	4 133	3 190	2 461	2 952	2 372	1 236	902	362	31.3
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS	17 592	315	1 165	3 877	3 124	2 127	2 634	2 388	1 028	666	268	30.7
OCCUPATION:												
MISCELLANEOUS MACHINE OPERATORS, N.E.C.	4 792	87	292	1 129	802	595	775	702	209	161	40	30.7
MACHINE OPERATORS, NOT SPECIFIED	12 800	228	873	2 748	2 322	1 532	1 859	1 686	819	505	228	30.7
INDUSTRY:												
MANUFACTURING	14 462	228	949	3 296	2 630	1 751	2 144	1 954	815	535	160	30.4
NONDURABLE GOODS	5 737	137	310	1 241	973	810	905	813	282	197	69	31.3
FOOD AND KINDRED PRODUCTS	1 749	32	52	354	328	204	285	236	135	88	35	32.7
TEXTILE MILL AND FINISHED TEXTILE PRODUCTS	127	-	10	9	4	7	21	38	16	9	13	50.1
PAPER AND ALLIED PRODUCTS	1 854	7	57	358	317	304	387	335	30	55	4	33.1
OTHER NONDURABLE GOODS	2 007	98	191	520	324	295	212	204	101	45	17	28.0
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG	8 725	91	639	2 055	1 657	941	1 239	1 141	533	338	91	29.8
METAL INDUSTRIES	2 540	18	164	674	488	309	318	307	121	100	41	29.2
MACHINERY, INCLUDING ELECTRICAL	3 675	24	320	795	694	418	575	453	237	129	30	30.1
TRANSPORTATION EQUIPMENT	340	7	12	103	63	21	25	36	50	16	7	28.8
OTHER DURABLE GOODS	2 170	42	143	483	412	193	321	345	125	93	13	30.1
NONMANUFACTURING INDUSTRIES	3 130	87	216	581	494	376	490	434	213	131	108	32.5
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	741	-	48	74	166	100	105	147	72	27	2	34.1
WHOLESALE AND RETAIL TRADE	1 156	37	44	254	142	145	199	132	72	57	74	33.5
ALL OTHER INDUSTRIES	1 233	50	124	253	186	131	186	155	69	47	32	30.1
FABRICATORS, ASSEMBLERS, AND HAND WORKING OCCUPATIONS	27 199	536	1 997	6 383	5 285	3 344	3 868	2 985	1 247	1 136	398	29.4
WELDERS AND CUTTERS	12 884	105	703	2 881	2 675	1 800	2 002	1 440	611	489	178	30.2
ASSEMBLERS	13 004	377	1 222	3 309	2 440	1 356	1 703	1 294	531	583	189	28.3
OTHER FABRICATORS AND HAND WORKING OCCUPATIONS	1 311	54	72	193	170	188	163	251	105	84	31	34.4
PRODUCTION INSPECTORS, TESTERS, SAMPLERS, AND WEIGHERS	5 329	97	184	843	901	686	1 055	750	433	280	100	34.7
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	71 398	639	2 809	11 353	11 294	8 990	13 909	12 631	5 344	2 850	1 579	35.4
MOTOR VEHICLE OPERATORS	52 998	557	2 178	8 598	8 146	6 657	10 779	8 882	3 694	2 130	1 377	35.3
TRUCK DRIVERS AND DRIVER-SALES WORKERS	44 126	462	1 605	6 915	6 958	5 848	9 595	7 546	2 946	1 516	735	35.3
BUS DRIVERS	6 026	2	433	1 190	601	509	856	953	574	465	443	38.4
RAIL AND WATER TRANSPORTATION OCCUPATIONS	4 255	11	36	286	697	567	589	1 214	633	203	19	43.8
MATERIAL MOVING EQUIPMENT OPERATORS	14 145	71	595	2 469	2 451	1 766	2 541	2 535	1 017	517	183	34.2
EXCAVATING, GRADING, AND DOZER MACHINE OPERATORS	1 565	7	20	190	218	210	291	308	138	119	64	39.9
HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS	61 366	9 041	8 872	13 963	7 588	4 946	6 043	5 280	2 532	1 819	1 282	24.5
CONSTRUCTION LABORERS	9 364	176	701	2 453	1 684	937	1 320	1 160	495	300	138	29.0
FREIGHT, STOCK, AND MATERIAL HANDLERS	19 988	5 604	3 916	4 093	1 595	1 126	1 342	1 056	575	370	311	20.4
GARAGE AND SERVICE STATION RELATED OCCUPATIONS	6 174	1 652	1 648	1 170	332	217	279	259	182	144	291	19.7
HAND PACKERS AND PACKAGERS	2 731	182	296	665	360	254	278	350	143	112	91	28.1
OTHER SPECIFIED HANDLERS, EQUIPMENT CLEANERS, AND HELPERS	4 800	612	682	1 262	700	422	401	301	182	157	81	24.3
LABORERS, EXCEPT CONSTRUCTION	18 309	815	1 629	4 320	2 917	1 990	2 423	2 154	955	736	370	29.1
MANUFACTURING	7 379	237	655	1 838	1 165	828	984	916	384	284	88	29.1
NONDURABLE GOODS	3 938	119	339	889	591	457	510	554	239	185	55	30.3
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG	3 441	118	316	949	574	371	474	362	145	99	33	27.9
METAL INDUSTRIES	1 041	25	91	342	217	99	104	86	45	25	7	26.4
NONMANUFACTURING INDUSTRIES	10 930	578	974	2 482	1 752	1 162	1 439	1 238	571	452	282	29.1
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	2 702	66	121	575	582	300	322	406	179	113	38	30.1
WHOLESALE AND RETAIL TRADE	5 895	357	624	1 340	904	651	844	577	261	223	114	28.5
ALL OTHER INDUSTRIES	2 333	155	229	567	266	211	273	255	131	116	130	29.1

TABLE 221. OCCUPATION OF EMPLOYED PERSONS BY AGE, SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

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MINNESOTA	TOTAL, 16 YEARS AND OVER	16 AND 17 YEARS	18 AND 19 YEARS	20 TO 24 YEARS	25 TO 29 YEARS	30 TO 34 YEARS	35 TO 44 YEARS	45 TO 54 YEARS	55 TO 59 YEARS	60 TO 64 YEARS	65 YEARS AND OVER	MEDIAN AGE
TOTAL												
EMPLOYED FEMALES 16 YEARS AND OVER	820 373	34 412	50 622	141 509	123 715	100 963	147 417	116 047	50 344	33 141	22 203	33.0
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS	171 294	722	2 040	22 083	35 613	29 508	37 360	25 183	9 297	5 945	3 543	34.3
EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS	56 686	222	840	8 021	10 960	8 918	11 853	8 741	3 656	2 202	1 273	34.7
OFFICIALS AND ADMINISTRATORS, PUBLIC ADMINISTRATION	1 676	-	2	121	234	308	374	350	146	97	44	40.3
ADMINISTRATORS, EDUCATION AND RELATED FIELDS	1 787	-	22	139	307	304	412	363	134	56	50	37.9
MANAGERS, MEDICINE AND HEALTH	1 085	-	7	71	167	162	235	259	87	72	25	40.4
OTHER SPECIFIED MANAGERS	8 176	5	61	944	1 721	1 394	1 728	1 284	475	297	267	34.9
MANAGERS AND ADMINISTRATORS, N.E.C., SALARIED	22 564	158	434	3 295	4 160	3 240	4 835	3 529	1 469	952	492	35.0
MANUFACTURING	2 779	-	2	250	514	520	769	439	173	71	41	36.2
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	1 118	-	14	56	203	220	299	173	97	35	21	37.1
WHOLESALE AND RETAIL TRADE	6 993	64	317	1 657	1 250	724	1 202	915	404	289	171	31.4
ALL OTHER INDUSTRIES	11 674	94	101	1 332	2 193	1 776	2 565	2 002	795	557	259	36.2
MANAGERS AND ADMINISTRATORS, N.E.C., SELF-EMPLOYED	2 783	-	2	112	225	424	743	677	254	184	162	43.4
CONSTRUCTION	45	-	-	-	12	14	3	16	-	-	-	33.8
MANUFACTURING	171	-	-	12	18	34	42	32	6	22	5	39.9
WHOLESALE AND RETAIL TRADE	1 444	-	-	68	103	220	360	341	153	110	89	44.2
ALL OTHER INDUSTRIES	1 123	-	2	32	92	156	338	288	95	52	68	42.8
MANAGEMENT RELATED OCCUPATIONS	18 615	59	312	3 339	4 146	3 086	3 526	2 279	1 091	544	233	32.4
ACCOUNTANTS AND AUDITORS	7 907	28	147	1 923	1 685	1 096	1 244	892	467	287	138	30.8
BUYERS AND PURCHASING AGENTS	2 689	-	34	451	657	457	537	302	163	76	12	32.2
PROFESSIONAL SPECIALTY OCCUPATIONS	114 608	500	1 200	14 062	24 653	20 590	25 507	16 442	5 641	3 743	2 270	34.1
ENGINEERS, ARCHITECTS, AND SURVEYORS	1 220	12	20	348	371	213	163	56	34	-	3	28.1
ARCHITECTS	150	-	-	6	73	46	18	2	5	-	-	29.7
ENGINEERS	1 055	12	20	338	298	167	134	54	29	-	3	27.6
ELECTRICAL AND ELECTRONIC ENGINEERS	169	12	18	34	56	11	13	20	5	-	-	26.8
MECHANICAL ENGINEERS	30	-	2	22	2	-	2	-	2	-	-	23.8
OTHER ENGINEERS	856	-	-	282	240	156	119	34	22	-	3	28.0
SURVEYORS AND MAPPING SCIENTISTS	15	-	-	4	-	-	11	-	-	-	-	41.3
MATHEMATICAL AND COMPUTER SCIENTISTS	1 539	-	6	157	442	418	265	159	62	22	8	32.0
COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS	968	-	-	71	312	288	152	115	19	11	-	31.8
NATURAL SCIENTISTS	904	-	12	180	296	146	164	42	43	18	3	29.4
HEALTH DIAGNOSING OCCUPATIONS	1 135	1	2	79	329	250	214	160	52	26	22	33.1
PHYSICIANS	758	-	-	28	192	197	157	124	25	22	13	34.0
DENTISTS	176	1	2	30	69	23	23	20	6	-	2	29.0
OTHER HEALTH DIAGNOSING PRACTITIONERS	201	-	-	21	68	30	34	16	21	4	7	31.9
HEALTH ASSESSMENT AND TREATING OCCUPATIONS	33 038	35	100	4 331	7 993	5 585	6 788	5 172	1 694	871	469	33.6
REGISTERED NURSES	28 177	4	63	3 317	6 449	4 881	6 093	4 724	1 482	743	421	34.4
PHARMACISTS	633	-	-	144	236	99	82	35	15	9	13	28.7
THERAPISTS	3 014	4	22	689	1 007	491	457	213	71	38	22	28.9
TEACHERS, LIBRARIANS, AND COUNSELORS	56 374	266	683	5 726	10 491	10 405	14 033	8 559	2 893	2 171	1 147	35.4
TEACHERS, POSTSECONDARY	3 859	-	117	609	616	573	994	557	235	125	33	35.1
TEACHERS, ELEMENTARY AND PRE-KINDERGARTEN	31 463	88	120	2 704	5 628	6 269	8 193	4 914	1 648	1 359	540	36.0
TEACHERS, SECONDARY	11 764	32	69	1 286	2 589	2 137	2 852	1 725	507	367	200	34.5
SOCIAL SCIENTISTS AND URBAN PLANNERS	1 248	-	2	161	381	285	238	90	44	21	26	31.4
SOCIAL AND RECREATION WORKERS	6 675	24	79	965	1 467	1 066	1 449	905	318	239	163	33.8
RELIGIOUS WORKERS	1 366	-	6	90	193	222	320	235	72	86	142	40.3
LAWYERS AND JUDGES	1 283	5	-	102	513	459	110	54	25	-	15	30.2
WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES	9 826	157	290	1 923	2 177	1 541	1 763	1 010	404	289	272	31.2
TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS	366 820	12 856	25 453	71 523	56 051	43 887	64 447	50 062	21 667	12 971	7 903	32.0
TECHNICIANS AND RELATED SUPPORT OCCUPATIONS	29 012	106	513	7 255	7 424	4 429	4 876	2 728	892	560	229	29.5
HEALTH TECHNOLOGISTS AND TECHNICIANS	19 627	56	289	4 755	4 894	2 947	3 507	1 944	634	455	146	29.8
LICENSED PRACTICAL NURSES	10 036	30	125	2 269	2 315	1 658	1 873	1 092	325	247	102	30.8
ENGINEERING AND SCIENCE TECHNICIANS	3 943	27	126	1 188	945	514	546	379	138	47	33	28.3
ELECTRICAL AND ELECTRONIC TECHNICIANS	730	-	13	218	193	124	56	84	36	6	-	28.5
DRAFTING AND SURVEYING TECHNICIANS	689	2	29	218	239	78	68	31	17	-	7	27.0
TECHNICIANS, EXCEPT HEALTH, ENGINEERING, AND SCIENCE	5 442	23	98	1 312	1 585	968	823	405	120	58	50	29.1
AIRPLANE PILOTS AND NAVIGATORS	20	-	-	6	6	2	6	-	-	-	-	28.3
COMPUTER PROGRAMMERS	2 453	9	29	620	834	464	378	100	14	5	-	28.4
SALES OCCUPATIONS	88 359	8 949	10 160	13 611	9 375	7 997	14 118	11 741	5 523	3 940	2 945	31.3
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS	6 500	47	205	966	938	784	1 403	1 013	609	337	198	37.0
SELF-EMPLOYED	1 802	-	10	45	144	241	502	377	219	146	118	44.0
SALES REPRESENTATIVES, FINANCE AND BUSINESS SERVICES	11 191	122	247	1 598	1 942	1 868	2 615	1 687	593	302	217	34.5
SALES REPRESENTATIVES, COMMODITIES, EXCEPT RETAIL	3 492	72	99	511	777	631	753	366	120	89	74	32.3
SALES WORKERS, RETAIL AND PERSONAL SERVICES	66 745	8 703	9 582	10 498	5 654	4 674	9 220	8 602	4 171	3 196	2 445	29.1
CASHIERS	24 638	4 293	4 548	4 313	2 173	1 480	2 875	2 538	1 180	708	530	23.7
SALES RELATED OCCUPATIONS	431	5	27	38	64	40	127	73	30	16	11	38.2

TABLE 221. OCCUPATION OF EMPLOYED PERSONS BY AGE, SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

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MINNESOTA	TOTAL, 16 YEARS AND OVER	16 AND 17 YEARS	18 AND 19 YEARS	20 TO 24 YEARS	25 TO 29 YEARS	30 TO 34 YEARS	35 TO 44 YEARS	45 TO 54 YEARS	55 TO 59 YEARS	60 TO 64 YEARS	65 YEARS AND OVER	MEDIAN AGE
TOTAL												
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL	249 449	3 801	14 780	50 657	39 252	31 461	45 453	35 593	15 252	8 471	4 729	32.6
SUPERVISORS, ADMINISTRATIVE SUPPORT OCCUPATIONS	*7 432*	*2*	*61*	*921*	*1 344*	*1 389*	*1 390*	*1 404*	*473*	*361*	*87*	*35.0*
COMPUTER EQUIPMENT OPERATORS	4 409	26	302	1 293	965	744	583	345	114	24	13	28.0
SECRETARIES, STENOGRAPHERS, AND TYPISTS	86 287	770	4 515	18 031	14 129	11 068	16 795	11 986	5 021	2 594	1 378	32.6
SECRETARIES	72 635	513	3 276	14 994	12 310	9 540	14 457	10 295	4 075	2 090	1 085	32.7
RECEPTIONISTS	10 850	342	971	2 549	1 449	1 114	1 896	1 395	484	303	347	30.5
FILE CLERKS	3 258	295	506	772	418	205	315	328	188	112	119	25.7
FINANCIAL RECORDS PROCESSING OCCUPATIONS	43 424	288	1 681	7 104	6 104	5 405	8 940	7 553	3 421	1 857	1 071	36.2
BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS	37 165	215	1 304	5 667	4 986	4 695	7 868	6 725	3 057	1 656	992	37.0
TELEPHONE OPERATORS	3 459	75	195	770	321	347	617	561	300	128	145	35.4
MAIL AND MESSAGE DISTRIBUTING OCCUPATIONS	4 565	87	394	881	654	469	706	733	349	177	115	32.8
TRAFFIC, SHIPPING, STOCK AND INVENTORY CLERKS	5 913	137	455	1 017	928	741	1 049	854	369	263	100	32.8
INSURANCE ADJUSTERS, EXAMINERS, AND INVESTIGATORS	2 138	10	54	651	685	267	227	129	62	36	17	27.6
BANK TELLERS	7 743	100	759	2 434	1 277	897	1 221	725	213	88	29	27.3
DATA-ENTRY KEYERS	8 003	51	475	2 162	1 610	1 422	1 408	624	169	61	21	29.1
OTHER ADMINISTRATIVE SUPPORT OCCUPATIONS	61 968	1 618	4 412	12 072	9 368	7 393	10 306	8 956	4 089	2 467	1 287	32.4
SERVICE OCCUPATIONS	170 695	18 115	16 642	29 471	17 724	15 272	24 260	21 531	10 834	8 999	7 847	31.1
PRIVATE HOUSEHOLD OCCUPATIONS	6 708	890	321	638	608	499	763	703	561	614	1 111	39.3
PROTECTIVE SERVICE OCCUPATIONS	*1 722*	*138*	*187*	*462*	*263*	*175*	*269*	*161*	*25*	*32*	*10*	*26.4*
FIREFIGHTING OCCUPATIONS	13	3	-	3	-	-	7	-	-	-	-	40.4
POLICE AND DETECTIVES, PUBLIC SERVICE	183	-	2	48	57	9	40	24	3	-	-	28.6
GUARDS	1 193	135	182	360	147	86	151	92	6	24	10	23.6
OTHER PROTECTIVE SERVICE OCCUPATIONS	333	-	3	51	59	80	71	45	16	8	-	33.3
SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD	162 265	17 087	16 134	28 371	16 853	14 598	23 228	20 667	10 248	8 353	6 726	30.9
FOOD PREPARATION AND SERVICE OCCUPATIONS	71 421	12 034	9 173	12 096	5 092	4 241	8 543	9 290	4 715	3 620	2 617	27.4
WAITERS AND FOOD COUNTER WORKERS	35 297	8 437	6 007	7 631	2 869	1 977	3 223	2 617	1 177	738	621	21.6
COOKS	17 307	1 178	1 148	1 643	852	958	2 643	4 002	1 926	1 804	1 153	45.6
HEALTH SERVICE OCCUPATIONS	39 460	2 939	4 295	8 801	4 947	3 138	5 407	4 849	2 216	1 627	1 241	28.7
NURSING AIDES, ORDERLIES, AND ATTENDANTS	30 413	2 169	3 431	6 452	3 477	2 469	4 422	3 882	1 746	1 324	1 041	29.5
CLEANING AND BUILDING SERVICE OCCUPATIONS EXC. HOUSEHOLD	18 448	1 402	1 300	1 879	1 446	1 164	2 681	2 855	1 894	2 120	1 707	42.7
PERSONAL SERVICE OCCUPATIONS	32 936	712	1 366	5 595	5 368	6 055	6 597	3 673	1 423	986	1 161	32.8
BARBERS, HAIRDRESSERS AND COSMETOLOGISTS	8 912	19	253	2 006	1 663	1 859	1 642	573	287	318	292	31.4
FARMING, FORESTRY, AND FISHING OCCUPATIONS	15 598	811	571	1 372	1 420	1 588	3 473	3 453	1 452	758	700	41.0
FARM OPERATORS AND MANAGERS	6 496	-	34	298	594	742	1 696	1 657	715	382	378	44.3
FARM OCCUPATIONS, EXCEPT MANAGERIAL	7 801	694	438	735	628	704	1 604	1 700	691	321	286	39.7
RELATED AGRICULTURAL OCCUPATIONS	1 158	102	81	275	182	132	163	88	45	55	35	28.3
FORESTRY AND FISHING OCCUPATIONS	143	15	18	64	16	10	10	8	1	-	1	22.6
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS	18 077	208	796	2 742	2 748	2 218	3 507	3 095	1 374	831	558	35.8
MECHANICS AND REPAIRERS	2 023	21	52	394	484	300	278	315	97	55	27	31.0
AUTOMOBILE MECHANICS, INCLUDING BODY	150	-	5	32	37	15	7	22	5	13	14	30.3
AIRCRAFT MECHANICS	18	-	-	-	6	2	5	5	-	-	-	36.0
HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS	16	-	-	5	-	-	2	7	-	2	-	50.7
OTHER MECHANICS AND REPAIRERS	1 839	21	47	357	441	283	264	281	92	40	13	30.9
CONSTRUCTION TRADES	1 453	31	75	301	230	197	299	174	71	40	35	32.3
CARPENTERS	343	17	34	64	54	57	42	40	4	17	14	30.2
ELECTRICIANS	126	9	6	34	16	10	15	17	19	-	-	29.4
PAINTERS, CONSTRUCTION AND MAINTENANCE	406	5	19	90	62	53	82	50	10	20	15	32.5
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	49	-	-	18	2	7	3	12	7	-	-	33.2
OTHER CONSTRUCTION TRADES	529	-	16	95	96	70	157	55	31	3	6	34.1
EXTRACTIVE OCCUPATIONS	35	-	2	8	-	2	14	4	-	5	-	42.0
PRECISION PRODUCTION OCCUPATIONS	14 566	156	667	2 039	2 034	1 719	2 916	2 602	1 206	731	496	37.1
SUPERVISORS, PRODUCTION OCCUPATIONS	*4 381*	*28*	*81*	*473*	*658*	*610*	*1 081*	*829*	*386*	*168*	*67*	*37.8*
MANUFACTURING	2 619	-	11	271	452	300	736	488	244	89	28	38.3
PRECISION METALWORKING OCCUPATIONS	1 021	41	70	200	203	169	156	95	41	37	9	29.9
TOOL AND DIE MAKERS	68	-	4	13	5	11	7	15	5	8	-	37.5
MACHINISTS	449	-	36	111	105	82	61	33	12	9	-	28.7
SHEET METAL WORKERS	62	-	3	16	15	7	13	8	-	-	-	29.0
OTHER PRECISION METAL WORKERS	442	41	27	60	78	69	75	39	24	20	9	31.1
PRECISION TEXTILE, APPAREL, AND FURNISHINGS MACHINE WORKERS	2 809	14	64	287	288	253	546	567	273	284	233	44.2
PLANT AND SYSTEM OPERATORS	132	-	11	3	19	13	28	35	15	8	-	41.0
OTHER PRECISION PRODUCTION OCCUPATIONS	6 223	73	441	1 076	866	674	1 105	1 076	491	234	187	34.9

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TOTAL												
OPERATORS, FABRICATORS, AND LABORERS	77 889	1 700	5 120	14 318	10 159	8 490	14 370	12 723	5 720	3 637	1 652	34.5
MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS	57 402	804	3 701	10 670	7 831	6 417	10 271	9 454	4 303	2 849	1 102	34.4
MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION	29 232	493	1 799	5 292	3 924	3 107	5 181	4 640	2 383	1 634	779	35.0
METALWORKING AND PLASTIC WORKING MACHINE OPERATORS	2 146	43	122	378	321	306	415	284	168	92	17	33.4
PRINTING MACHINE OPERATORS	3 460	49	237	798	560	415	495	534	220	125	27	31.0
TEXTILE, APPAREL, AND FURNISHINGS MACHINE OPERATORS	7 773	223	462	786	758	762	1 413	1 423	815	655	476	41.1
TEXTILE MACHINE OPERATORS	554	8	35	66	65	86	118	101	22	38	15	36.3
TEXTILE SEWING MACHINE OPERATORS	3 393	13	185	397	380	344	628	612	356	265	213	41.0
LAUNDERING AND DRYCLEANING MACHINE OPERATORS	2 871	169	190	227	203	238	444	569	347	254	230	44.1
OTHER SPECIFIED MACHINE OPERATORS	6 369	93	438	1 328	922	700	1 103	854	503	332	96	32.9
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS	9 484	85	540	2 002	1 363	924	1 755	1 545	677	430	163	34.1
OCCUPATION:												
MISCELLANEOUS MACHINE OPERATORS, N.E.C.	2 795	22	165	589	390	279	510	393	226	160	61	34.1
MACHINE OPERATORS, NOT SPECIFIED	6 689	63	375	1 413	973	645	1 245	1 152	451	270	102	34.0
INDUSTRY:												
MANUFACTURING	7 986	60	438	1 674	1 120	805	1 508	1 327	591	345	118	34.4
NONDURABLE GOODS	3 521	48	210	767	509	308	655	627	197	129	71	33.7
FOOD AND KINDRED PRODUCTS	996	6	45	240	149	71	207	177	48	38	15	34.1
TEXTILE MILL AND FINISHED TEXTILE PRODUCTS	280	8	21	55	25	12	56	42	13	27	21	40.5
PAPER AND ALLIED PRODUCTS	576	-	16	144	103	52	84	108	36	18	15	32.4
OTHER NONDURABLE GOODS	1 669	34	128	328	232	173	308	300	100	46	20	33.3
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG	4 465	12	228	907	611	497	853	700	394	216	47	34.8
METAL INDUSTRIES	760	-	30	133	49	111	169	161	63	42	2	38.2
MACHINERY, INCLUDING ELECTRICAL	2 044	-	117	431	362	228	323	298	189	94	2	32.5
TRANSPORTATION EQUIPMENT	51	-	4	15	6	2	9	10	5	-	-	31.3
OTHER DURABLE GOODS	1 610	12	77	328	194	156	352	231	137	80	43	36.0
NONMANUFACTURING INDUSTRIES	1 498	25	102	328	243	119	247	218	86	85	45	32.1
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	71	-	6	38	5	5	7	10	-	-	-	23.7
WHOLESALE AND RETAIL TRADE	794	18	53	145	128	74	132	125	44	53	22	33.6
ALL OTHER INDUSTRIES	633	7	43	145	110	40	108	83	42	32	23	31.4
FABRICATORS, ASSEMBLERS, AND HAND WORKING OCCUPATIONS	22 226	265	1 673	4 533	3 092	2 534	3 984	3 682	1 323	918	222	33.1
WELDERS AND CUTTERS	691	2	52	167	83	132	97	106	26	26	-	31.6
ASSEMBLERS	20 074	227	1 491	4 124	2 795	2 208	3 635	3 350	1 232	806	206	33.2
OTHER FABRICATORS AND HAND WORKING OCCUPATIONS	1 461	36	130	242	214	194	252	226	65	86	16	32.8
PRODUCTION INSPECTORS, TESTERS, SAMPLERS, AND WEIGHERS	5 944	46	229	845	815	776	1 106	1 132	597	297	101	37.4
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	5 170	32	192	943	746	709	1 347	833	212	88	68	34.7
MOTOR VEHICLE OPERATORS	4 290	24	172	706	545	611	1 205	713	173	80	61	35.7
TRUCK DRIVERS AND DRIVER-SALES WORKERS	1 193	24	55	293	160	135	246	142	79	20	39	32.4
BUS DRIVERS	2 737	-	82	322	334	423	918	525	94	30	9	37.1
RAIL AND WATER TRANSPORTATION OCCUPATIONS	112	8	-	41	27	9	18	-	9	-	-	26.3
MATERIAL MOVING EQUIPMENT OPERATORS	768	-	20	196	174	89	124	120	30	8	7	29.8
EXCAVATING, GRADING, AND DOZER MACHINE OPERATORS	14	-	-	-	-	1	5	2	6	-	-	52.5
HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS	15 317	864	1 227	2 705	1 582	1 364	2 752	2 436	1 205	700	482	34.7
CONSTRUCTION LABORERS	216	6	16	44	46	16	24	27	16	21	-	29.6
FREIGHT, STOCK, AND MATERIAL HANDLERS	3 293	380	321	515	310	258	578	469	261	119	82	32.3
GARAGE AND SERVICE STATION RELATED OCCUPATIONS	557	88	120	129	53	41	55	36	28	4	3	22.5
HAND PACKERS AND PACKAGERS	5 684	159	356	867	560	531	1 057	1 095	501	344	214	38.4
OTHER SPECIFIED HANDLERS, EQUIPMENT CLEANERS, AND HELPERS	1 049	78	96	205	121	99	163	152	50	34	51	31.2
LABORERS, EXCEPT CONSTRUCTION	4 518	153	318	945	492	419	875	657	349	178	132	34.2
MANUFACTURING	2 592	33	191	518	310	274	505	385	219	97	60	34.5
NONDURABLE GOODS	1 408	22	115	285	170	134	224	226	138	51	43	34.2
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG	1 184	11	76	233	140	140	281	159	81	46	17	34.7
METAL INDUSTRIES	206	9	8	28	25	26	32	38	34	6	-	37.7
NONMANUFACTURING INDUSTRIES	1 926	120	127	427	182	145	370	272	130	81	72	33.7
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	143	-	7	15	31	18	33	31	-	-	8	35.1
WHOLESALE AND RETAIL TRADE	1 048	66	53	235	67	59	238	156	87	46	41	36.5
ALL OTHER INDUSTRIES	735	54	67	177	84	68	99	85	43	35	23	29.1

TABLE 221. OCCUPATION OF EMPLOYED PERSONS BY AGE, SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

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MINNESOTA	TOTAL, 16 YEARS AND OVER	16 AND 17 YEARS	18 AND 19 YEARS	20 TO 24 YEARS	25 TO 29 YEARS	30 TO 34 YEARS	35 TO 44 YEARS	45 TO 54 YEARS	55 TO 59 YEARS	60 TO 64 YEARS	65 YEARS AND OVER	MEDIAN AGE
WHITE												
EMPLOYED MALES 16 YEARS AND OVER	1 040 390	35 744	47 313	144 308	152 432	138 789	199 952	165 721	74 287	48 592	33 252	35.1
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS	257 164	438	1 791	18 018	37 405	44 839	67 278	50 391	19 280	11 237	6 487	38.4
EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS	141 102	228	1 127	9 357	18 236	23 003	36 908	29 810	11 840	7 303	3 290	39.5
OFFICIALS AND ADMINISTRATORS, PUBLIC ADMINISTRATION	3 931	-	14	76	385	589	961	1 098	394	290	124	44.4
ADMINISTRATORS, EDUCATION AND RELATED FIELDS	3 974	-	23	76	222	507	1 299	1 329	335	153	30	43.9
MANAGERS, MEDICINE AND HEALTH	958	-	12	24	142	205	278	157	75	25	40	38.1
OTHER SPECIFIED MANAGERS	23 264	-	73	1 116	2 822	4 462	6 654	4 764	1 844	1 046	483	39.1
MANAGERS AND ADMINISTRATORS, N.E.C., SALARIED	70 460	168	852	4 815	8 300	10 313	19 020	15 554	6 217	3 694	1 527	40.2
MANUFACTURING	21 652	10	50	692	1 777	3 040	7 318	5 492	1 939	1 020	314	42.1
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	5 584	-	5	189	432	737	1 476	1 611	682	358	94	44.7
WHOLESALE AND RETAIL TRADE	20 041	101	522	2 481	3 339	2 950	4 353	3 388	1 374	1 008	525	36.2
ALL OTHER INDUSTRIES	23 183	57	275	1 453	2 752	3 586	5 873	5 063	2 222	1 308	594	40.3
MANAGERS AND ADMINISTRATORS, N.E.C., SELF-EMPLOYED	7 208	10	28	279	790	950	1 785	1 735	782	479	370	43.7
CONSTRUCTION	1 182	-	11	84	169	175	302	238	92	59	52	40.7
MANUFACTURING	792	-	7	13	81	110	216	187	76	59	43	43.5
WHOLESALE AND RETAIL TRADE	2 843	-	10	88	267	358	739	711	336	188	146	44.4
ALL OTHER INDUSTRIES	2 391	10	-	94	273	307	528	599	278	173	129	44.7
MANAGEMENT RELATED OCCUPATIONS	31 307	50	125	2 971	5 575	5 977	6 911	5 173	2 193	1 616	716	36.2
ACCOUNTANTS AND AUDITORS	12 559	15	25	1 706	2 597	2 554	2 493	1 627	741	545	256	33.8
BUYERS AND PURCHASING AGENTS	5 204	20	45	351	1 001	890	1 176	902	371	354	94	37.3
PROFESSIONAL SPECIALTY OCCUPATIONS	116 062	210	664	8 661	19 169	21 836	30 370	20 581	7 440	3 934	3 197	37.1
ENGINEERS, ARCHITECTS, AND SURVEYORS	23 163	8	32	1 895	3 648	4 004	6 240	4 367	1 840	827	302	37.9
ARCHITECTS	1 777	-	13	94	320	402	467	300	96	48	37	36.1
ENGINEERS	20 678	8	17	1 671	3 189	3 490	5 615	3 958	1 718	757	255	38.2
ELECTRICAL AND ELECTRONIC ENGINEERS	5 172	4	-	637	868	863	1 494	835	357	89	25	36.2
MECHANICAL ENGINEERS	3 452	-	2	206	483	676	950	737	244	101	53	38.6
OTHER ENGINEERS	12 054	4	15	828	1 838	1 951	3 171	2 386	1 117	567	177	39.1
SURVEYORS AND MAPPING SCIENTISTS	708	-	2	130	139	112	158	109	26	22	10	33.7
MATHEMATICAL AND COMPUTER SCIENTISTS	4 374	-	17	326	782	1 197	1 332	549	100	49	22	34.4
COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS	3 309	-	17	253	627	887	1 052	392	52	24	5	34.3
NATURAL SCIENTISTS	3 665	7	21	311	840	723	821	521	263	84	74	34.5
HEALTH DIAGNOSING OCCUPATIONS	10 429	-	-	63	1 578	1 982	2 275	2 164	1 130	563	674	41.5
PHYSICIANS	6 453	-	-	23	989	1 284	1 476	1 268	628	344	441	40.7
DENTISTS	2 354	-	-	9	314	383	566	519	285	128	150	42.9
OTHER HEALTH DIAGNOSING PRACTITIONERS	1 622	-	-	31	275	315	233	377	217	91	83	42.8
HEALTH ASSESSMENT AND TREATING OCCUPATIONS	4 716	-	10	445	1 339	994	824	699	171	117	117	32.8
REGISTERED NURSES	1 301	-	10	124	477	383	171	103	9	18	6	30.5
PHARMACISTS	1 928	-	-	88	332	311	446	453	115	84	99	39.7
THERAPISTS	1 078	-	-	145	342	237	180	125	28	15	6	31.1
TEACHERS, LIBRARIANS, AND COUNSELORS	36 658	46	272	2 452	4 813	6 883	11 576	7 051	2 003	1 057	505	37.9
TEACHERS, POSTSECONDARY	7 375	-	85	598	780	1 028	2 218	1 646	502	316	202	40.3
TEACHERS, ELEMENTARY AND PRE-KINDERGARTEN	13 114	6	11	622	1 750	2 861	4 503	2 457	573	212	119	37.4
TEACHERS, SECONDARY	11 059	13	53	605	1 452	2 167	3 663	2 106	605	332	63	38.0
SOCIAL SCIENTISTS AND URBAN PLANNERS	2 689	-	-	139	520	567	775	452	131	64	41	36.3
SOCIAL AND RECREATION WORKERS	3 309	11	43	353	742	757	713	437	122	64	67	33.3
RELIGIOUS WORKERS	6 050	-	12	251	782	880	1 392	1 287	506	399	541	42.9
LAWYERS AND JUDGES	7 474	-	-	162	1 384	1 807	1 694	1 201	427	288	511	36.8
WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES	13 535	138	257	2 264	2 741	2 042	2 728	1 853	747	422	343	33.3
TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS	196 032	4 418	8 266	27 299	31 573	28 007	38 221	29 249	14 045	8 409	6 545	34.7
TECHNICIANS AND RELATED SUPPORT OCCUPATIONS	35 426	116	654	5 959	7 653	6 617	8 316	3 873	1 396	610	232	32.5
HEALTH TECHNOLOGISTS AND TECHNICIANS	2 399	5	73	398	647	392	457	248	91	79	9	31.0
LICENSED PRACTICAL NURSES	134	-	2	26	31	23	29	12	7	4	-	31.7
ENGINEERING AND SCIENCE TECHNICIANS	18 622	74	395	3 658	3 976	3 268	3 724	2 178	798	383	168	31.8
ELECTRICAL AND ELECTRONIC TECHNICIANS	6 029	21	117	1 266	1 325	1 225	1 257	596	167	41	14	31.2
DRAFTING AND SURVEYING TECHNICIANS	6 288	35	168	1 246	1 395	1 064	1 208	674	255	159	84	31.4
TECHNICIANS, EXCEPT HEALTH, ENGINEERING, AND SCIENCE	14 405	37	186	1 903	3 030	2 957	4 135	1 447	507	148	55	33.5
AIRPLANE PILOTS AND NAVIGATORS	1 734	-	5	36	141	287	883	279	88	15	-	39.3
COMPUTER PROGRAMMERS	6 566	23	99	1 065	1 632	1 588	1 653	432	39	28	7	31.5
SALES OCCUPATIONS	97 521	3 075	4 198	11 244	13 926	13 165	19 480	15 462	7 553	5 028	4 390	36.5
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS	18 130	119	379	1 819	2 670	2 913	4 083	3 017	1 578	983	569	37.7
SELF-EMPLOYED	4 765	-	27	164	393	570	1 236	1 066	594	415	300	44.9
SALES REPRESENTATIVES, FINANCE AND BUSINESS SERVICES	24 435	60	80	1 614	3 355	3 803	5 769	4 833	2 060	1 441	1 420	40.2
SALES REPRESENTATIVES, COMMODITIES, EXCEPT RETAIL	23 134	43	188	1 762	3 661	3 493	5 521	4 370	2 070	1 207	819	38.8
SALES WORKERS, RETAIL AND PERSONAL SERVICES	31 527	2 843	3 543	6 029	4 204	2 935	4 046	3 189	1 798	1 369	1 571	29.0
CASHIERS	3 799	766	918	913	340	136	209	151	118	92	156	20.8
SALES RELATED OCCUPATIONS	295	10	8	20	36	21	61	53	47	28	11	42.5

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WHITE												
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL	63 085	1 227	3 414	10 096	9 994	8 225	10 425	9 914	5 096	2 771	1 923	34.1
SUPERVISORS, ADMINISTRATIVE SUPPORT OCCUPATIONS	7 223	18	34	466	920	1 238	1 835	1 704	673	234	101	39.3
COMPUTER EQUIPMENT OPERATORS	2 599	32	127	739	612	442	395	181	61	10	-	28.3
SECRETARIES, STENOGRAPHERS, AND TYPISTS	1 259	44	80	192	225	161	150	154	70	87	96	32.7
SECRETARIES	749	33	60	145	148	62	55	60	37	66	83	29.6
RECEPTIONISTS	450	18	63	199	68	21	30	13	16	2	20	23.4
FILE CLERKS	956	39	116	218	142	95	111	142	66	14	13	28.7
FINANCIAL RECORDS PROCESSING OCCUPATIONS	4 958	29	174	864	852	620	685	746	373	296	319	34.5
BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS	3 765	15	133	677	607	463	507	561	290	211	301	34.9
TELEPHONE OPERATORS	445	-	76	134	84	54	44	20	24	3	6	25.7
MAIL AND MESSAGE DISTRIBUTING OCCUPATIONS	9 388	148	318	923	1 156	1 140	1 438	2 189	1 182	566	328	42.3
TRAFFIC, SHIPPING, STOCK AND INVENTORY CLERKS	12 863	520	1 270	2 766	2 159	1 384	1 746	1 411	822	527	258	29.3
INSURANCE ADJUSTERS, EXAMINERS, AND INVESTIGATORS	1 318	-	-	174	213	267	274	234	93	48	15	35.2
BANK TELLERS	578	3	80	198	114	64	42	47	2	11	17	25.4
DATA-ENTRY KEYERS	513	7	39	161	110	69	44	36	40	7	-	27.2
OTHER ADMINISTRATIVE SUPPORT OCCUPATIONS	20 535	369	1 037	3 062	3 339	2 670	3 631	3 037	1 674	966	750	34.6
SERVICE OCCUPATIONS	89 710	14 388	10 166	15 216	9 666	7 171	9 456	9 111	5 432	4 454	4 650	27.6
PRIVATE HOUSEHOLD OCCUPATIONS	263	61	21	23	20	28	7	25	28	9	41	31.2
PROTECTIVE SERVICE OCCUPATIONS	14 716	121	444	1 872	2 201	2 395	3 111	2 359	973	543	697	35.9
FIREFIGHTING OCCUPATIONS	1 586	4	10	83	208	290	436	388	114	38	15	39.7
POLICE AND DETECTIVES, PUBLIC SERVICE	4 798	-	-	398	919	1 056	1 368	745	232	54	26	35.2
GUARDS	5 174	117	426	1 164	538	473	527	580	411	364	574	33.6
OTHER PROTECTIVE SERVICE OCCUPATIONS	3 158	-	8	227	536	576	780	646	216	87	82	37.8
SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD	74 731	14 206	9 701	13 321	7 445	4 748	6 338	6 727	4 431	3 902	3 912	25.1
FOOD PREPARATION AND SERVICE OCCUPATIONS	28 917	9 951	5 342	5 882	2 248	1 237	1 338	1 239	659	534	487	19.7
WAITERS AND FOOD COUNTER WORKERS	2 698	784	531	735	242	120	77	73	65	38	33	20.2
COOKS	11 148	4 432	2 663	2 209	646	323	294	240	105	124	112	18.9
HEALTH SERVICE OCCUPATIONS	4 457	441	438	1 297	917	453	335	265	110	105	96	25.3
NURSING AIDES, ORDERLIES, AND ATTENDANTS	3 625	246	330	1 091	819	352	303	218	105	92	69	25.9
CLEANING AND BUILDING SERVICE OCCUPATIONS EXC. HOUSEHOLD	35 376	3 291	3 383	5 097	3 437	2 408	3 653	4 584	3 464	3 022	3 037	35.2
PERSONAL SERVICE OCCUPATIONS	5 981	523	538	1 045	843	650	1 012	639	198	241	292	30.3
BARBERS, HAIRDRESSERS AND COSMETOLOGISTS	2 438	-	9	196	354	328	703	417	97	124	210	39.2
FARMING, FORESTRY, AND FISHING OCCUPATIONS	90 958	3 672	4 031	10 432	9 741	7 618	14 426	17 203	8 946	7 387	7 502	42.0
FARM OPERATORS AND MANAGERS	66 773	4	694	4 823	6 720	6 120	12 540	15 318	8 046	6 432	6 076	46.7
FARM OCCUPATIONS, EXCEPT MANAGERIAL	17 666	3 374	2 888	4 345	1 824	902	1 068	1 105	543	586	1 031	22.5
RELATED AGRICULTURAL OCCUPATIONS	4 347	235	288	909	800	314	465	510	253	244	329	29.6
FORESTRY AND FISHING OCCUPATIONS	2 172	59	161	355	397	282	353	270	104	125	66	32.0
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS	191 993	1 575	5 887	30 027	31 080	27 157	38 129	31 709	13 817	8 790	3 822	35.1
MECHANICS AND REPAIRERS	63 645	834	2 444	11 497	10 670	9 121	11 702	9 498	4 073	2 610	1 196	33.5
AUTOMOBILE MECHANICS, INCLUDING BODY	21 209	322	1 286	4 953	3 794	2 800	3 288	2 510	1 149	751	356	30.4
AIRCRAFT MECHANICS	2 001	13	13	219	201	345	516	356	203	129	6	38.3
HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS	1 409	6	10	270	274	171	317	184	84	59	34	34.2
OTHER MECHANICS AND REPAIRERS	39 026	493	1 135	6 055	6 401	5 805	7 581	6 448	2 637	1 671	800	34.7
CONSTRUCTION TRADES	70 002	364	1 824	10 912	11 658	9 935	14 051	11 537	5 055	3 088	1 578	35.2
CARPENTERS	21 706	148	766	4 400	4 216	2 783	3 607	2 645	1 434	1 072	635	32.4
ELECTRICIANS	8 886	19	94	1 176	1 373	1 567	1 965	1 555	646	330	161	35.9
PAINTERS, CONSTRUCTION AND MAINTENANCE	4 932	84	289	951	784	574	792	675	308	272	203	33.1
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	7 109	20	85	871	939	985	1 611	1 413	615	342	228	38.2
OTHER CONSTRUCTION TRADES	27 369	93	590	3 514	4 346	4 026	6 076	5 249	2 052	1 072	351	36.8
EXTRACTIVE OCCUPATIONS	2 114	1	25	173	320	300	393	511	266	122	3	40.6
PRECISION PRODUCTION OCCUPATIONS	56 232	376	1 594	7 445	8 432	7 801	11 983	10 163	4 423	2 970	1 045	36.9
SUPERVISORS, PRODUCTION OCCUPATIONS	21 455	31	181	1 699	3 019	3 076	5 519	4 802	1 820	1 071	237	39.6
MANUFACTURING	15 005	12	100	1 161	2 052	2 333	4 007	3 320	1 224	673	123	39.2
PRECISION METALWORKING OCCUPATIONS	14 850	49	514	2 614	2 434	2 089	2 825	2 289	1 029	796	211	34.3
TOOL AND DIE MAKERS	3 110	-	62	405	445	444	709	585	208	220	32	37.4
MACHINISTS	8 320	29	365	1 696	1 503	1 125	1 462	1 094	523	379	144	32.5
SHEET METAL WORKERS	2 140	13	52	329	277	348	401	391	198	117	14	36.1
OTHER PRECISION METAL WORKERS	1 280	7	35	184	209	172	253	219	100	80	21	36.1
PRECISION TEXTILE, APPAREL, AND FURNISHINGS MACHINE WORKERS	1 368	12	48	172	174	117	194	216	141	127	167	43.1
PLANT AND SYSTEM OPERATORS	4 659	8	4	430	563	638	1 043	982	548	363	80	41.6
OTHER PRECISION PRODUCTION OCCUPATIONS	13 900	276	847	2 530	2 242	1 881	2 402	1 874	885	613	350	32.8

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WHITE												
OPERATORS, FABRICATORS, AND LABORERS	214 533	11 253	17 172	43 316	32 967	23 997	32 442	28 058	12 767	8 315	4 246	30.5
MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS	84 896	1 658	5 706	18 603	14 682	10 447	13 058	10 618	5 002	3 702	1 420	30.9
MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION	53 625	1 025	3 574	11 675	8 760	6 686	8 327	6 998	3 362	2 293	925	31.3
METALWORKING AND PLASTIC WORKING MACHINE OPERATORS	8 628	114	610	1 952	1 393	1 142	1 285	1 014	563	416	139	31.1
PRINTING MACHINE OPERATORS	7 751	107	381	1 612	1 158	956	1 482	1 206	483	261	105	33.2
TEXTILE, APPAREL, AND FURNISHINGS MACHINE OPERATORS	1 659	110	135	338	258	156	224	219	90	75	54	29.8
TEXTILE MACHINE OPERATORS	452	3	24	122	83	70	75	35	19	10	11	29.6
TEXTILE SEWING MACHINE OPERATORS	128	3	21	26	33	7	15	10	2	3	8	27.1
LAUNDERING AND DRYCLEANING MACHINE OPERATORS	853	96	75	152	113	55	93	131	55	62	21	29.6
OTHER SPECIFIED MACHINE OPERATORS	18 755	395	1 296	4 019	3 086	2 392	2 817	2 281	1 220	890	359	31.2
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS	16 832	299	1 152	3 754	2 865	2 040	2 519	2 278	1 006	651	268	30.8
OCCUPATION:												
MISCELLANEOUS MACHINE OPERATORS, N.E.C.	4 629	83	290	1 101	733	564	768	687	202	161	40	31.0
MACHINE OPERATORS, NOT SPECIFIED	12 203	216	862	2 653	2 132	1 476	1 751	1 591	804	490	228	30.8
INDUSTRY:												
MANUFACTURING	13 838	222	936	3 201	2 406	1 680	2 056	1 858	793	526	160	30.5
NONDURABLE GOODS	5 578	131	306	1 211	936	802	884	769	282	188	69	31.3
FOOD AND KINDRED PRODUCTS	1 713	32	48	341	316	204	278	236	135	88	35	32.9
TEXTILE MILL AND FINISHED TEXTILE PRODUCTS	106	-	10	9	4	7	21	17	16	9	13	46.7
PAPER AND ALLIED PRODUCTS	1 801	7	57	341	298	296	387	335	30	46	4	33.3
OTHER NONDURABLE GOODS	1 958	92	191	520	318	295	198	181	101	45	17	27.8
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG	8 260	91	630	1 990	1 470	878	1 172	1 089	511	338	91	29.8
METAL INDUSTRIES	2 424	18	162	653	440	296	315	282	117	100	41	29.3
MACHINERY, INCLUDING ELECTRICAL	3 461	24	313	763	630	388	535	430	219	129	30	30.0
TRANSPORTATION EQUIPMENT	285	7	12	101	25	10	25	32	50	16	7	29.5
OTHER DURABLE GOODS	2 090	42	143	473	375	184	297	345	125	93	13	30.3
NONMANUFACTURING INDUSTRIES	2 994	77	216	553	459	360	463	420	213	125	108	32.7
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	725	-	48	58	166	100	105	147	72	27	2	34.5
WHOLESALE AND RETAIL TRADE	1 086	33	44	247	121	129	180	129	72	57	74	33.8
ALL OTHER INDUSTRIES	1 183	44	124	248	172	131	178	144	69	41	32	30.1
FABRICATORS, ASSEMBLERS, AND HAND WORKING OCCUPATIONS	26 090	536	1 948	6 115	5 066	3 092	3 712	2 878	1 219	1 129	395	29.4
WELDERS AND CUTTERS	12 560	105	686	2 822	2 610	1 699	1 963	1 406	602	489	178	30.2
ASSEMBLERS	12 268	377	1 190	3 102	2 286	1 229	1 592	1 231	519	556	186	28.2
OTHER FABRICATORS AND HAND WORKING OCCUPATIONS	1 262	54	72	191	170	164	157	241	98	84	31	34.4
PRODUCTION INSPECTORS, TESTERS, SAMPLERS, AND WEIGHERS	5 181	97	184	813	856	669	1 019	742	421	280	100	34.8
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	70 051	636	2 781	11 159	11 036	8 792	13 636	12 352	5 264	2 842	1 553	35.4
MOTOR VEHICLE OPERATORS	52 042	557	2 161	8 453	7 978	6 523	10 596	8 686	3 614	2 123	1 351	35.3
TRUCK DRIVERS AND DRIVER-SALES WORKERS	43 605	462	1 588	6 840	6 874	5 778	9 455	7 466	2 897	1 515	730	35.3
BUS DRIVERS	5 785	2	433	1 160	560	474	822	875	551	465	443	38.3
RAIL AND WATER TRANSPORTATION OCCUPATIONS	4 188	8	29	278	689	545	581	1 204	633	202	19	44.3
MATERIAL MOVING EQUIPMENT OPERATORS	13 821	71	591	2 428	2 369	1 724	2 459	2 462	1 017	517	183	34.2
EXCAVATING, GRADING, AND DOZER MACHINE OPERATORS	1 542	7	20	183	218	207	289	297	138	119	64	39.9
HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS	59 586	8 959	8 685	13 554	7 249	4 758	5 748	5 088	2 501	1 771	1 273	24.4
CONSTRUCTION LABORERS	9 085	166	680	2 352	1 638	925	1 277	1 127	495	287	138	29.1
FREIGHT, STOCK, AND MATERIAL HANDLERS	19 578	5 556	3 837	4 020	1 536	1 080	1 295	1 028	560	355	311	20.4
GARAGE AND SERVICE STATION RELATED OCCUPATIONS	6 117	1 644	1 634	1 145	326	217	275	259	182	144	291	19.7
HAND PACKERS AND PACKAGERS	2 574	182	266	633	336	237	250	329	143	107	91	28.1
OTHER SPECIFIED HANDLERS, EQUIPMENT CLEANERS, AND HELPERS	4 600	612	675	1 197	644	403	368	281	182	157	81	24.1
LABORERS, EXCEPT CONSTRUCTION	17 632	799	1 593	4 207	2 769	1 896	2 283	2 064	939	721	361	29.0
MANUFACTURING	7 134	232	653	1 794	1 115	790	925	888	377	278	82	29.0
NONDURABLE GOODS	3 796	114	339	857	561	453	471	539	234	179	49	30.3
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG	3 338	118	314	937	554	337	454	349	143	99	33	27.7
METAL INDUSTRIES	1 002	25	91	334	210	88	104	73	45	25	7	26.2
NONMANUFACTURING INDUSTRIES	10 498	567	940	2 413	1 654	1 106	1 358	1 176	562	443	279	29.0
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	2 575	66	121	561	519	294	301	392	170	113	38	30.3
WHOLESALE AND RETAIL TRADE	5 790	357	617	1 331	880	614	834	566	261	216	114	28.4
ALL OTHER INDUSTRIES	2 133	144	202	521	255	198	223	218	131	114	127	28.9

TABLE 221. OCCUPATION OF EMPLOYED PERSONS BY AGE, SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

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MINNESOTA	TOTAL, 16 YEARS AND OVER	16 AND 17 YEARS	18 AND 19 YEARS	20 TO 24 YEARS	25 TO 29 YEARS	30 TO 34 YEARS	35 TO 44 YEARS	45 TO 54 YEARS	55 TO 59 YEARS	60 TO 64 YEARS	65 YEARS AND OVER	MEDIAN AGE
WHITE												
EMPLOYED FEMALES 16 YEARS AND OVER	799 871	33 584	49 577	138 057	120 134	97 752	143 124	113 519	49 605	32 570	21 949	33.0
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS	167 219	704	1 941	21 660	34 950	28 675	36 300	24 510	9 172	5 814	3 493	34.2
EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS	55 240	222	818	7 863	10 740	8 595	11 488	8 476	3 633	2 158	1 247	34.6
OFFICIALS AND ADMINISTRATORS, PUBLIC ADMINISTRATION	1 637	-	2	119	222	300	362	345	146	97	44	40.5
ADMINISTRATORS, EDUCATION AND RELATED FIELDS	1 682	-	22	139	297	292	373	319	134	56	50	37.5
MANAGERS, MEDICINE AND HEALTH	1 051	-	7	69	161	162	230	259	87	60	16	40.1
OTHER SPECIFIED MANAGERS	7 956	5	61	923	1 701	1 317	1 673	1 258	471	291	256	34.9
MANAGERS AND ADMINISTRATORS, N.E.C., SALARIED	22 156	158	429	3 260	4 096	3 170	4 735	3 432	1 454	930	492	34.9
MANUFACTURING	2 703	-	2	250	494	515	752	427	158	64	41	36.0
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	1 118	-	14	56	203	220	299	173	97	35	21	37.1
WHOLESALE AND RETAIL TRADE	6 859	64	312	1 629	1 230	703	1 163	894	404	289	171	31.4
ALL OTHER INDUSTRIES	11 476	94	101	1 325	2 169	1 732	2 521	1 938	795	542	259	36.1
MANAGERS AND ADMINISTRATORS, N.E.C., SELF-EMPLOYED	2 726	-	2	112	225	399	721	675	252	180	160	43.6
CONSTRUCTION	45	-	-	-	12	14	3	16	-	-	-	33.8
MANUFACTURING	171	-	-	12	18	34	42	32	6	22	5	39.9
WHOLESALE AND RETAIL TRADE	1 433	-	-	68	103	220	355	339	153	106	89	44.2
ALL OTHER INDUSTRIES	1 077	-	2	32	92	131	321	288	93	52	66	43.4
MANAGEMENT RELATED OCCUPATIONS	18 032	59	295	3 241	4 038	2 955	3 394	2 188	1 089	544	229	32.3
ACCOUNTANTS AND AUDITORS	7 681	28	139	1 859	1 645	1 073	1 189	856	467	287	138	30.8
BUYERS AND PURCHASING AGENTS	2 658	-	34	444	653	446	528	302	163	76	12	32.2
PROFESSIONAL SPECIALTY OCCUPATIONS	111 979	482	1 123	13 797	24 210	20 080	24 812	16 034	5 539	3 656	2 246	34.1
ENGINEERS, ARCHITECTS, AND SURVEYORS	1 142	12	14	322	338	213	156	50	34	-	3	28.3
ARCHITECTS	150	-	-	6	73	46	18	2	5	-	-	29.7
ENGINEERS	977	12	14	312	265	167	127	48	29	-	3	27.8
ELECTRICAL AND ELECTRONIC ENGINEERS	157	12	12	34	56	11	13	14	5	-	-	26.8
MECHANICAL ENGINEERS	20	-	2	12	2	-	2	-	2	-	-	24.0
OTHER ENGINEERS	800	-	-	266	207	156	112	34	22	-	3	28.2
SURVEYORS AND MAPPING SCIENTISTS	15	-	-	4	-	-	11	-	-	-	-	41.3
MATHEMATICAL AND COMPUTER SCIENTISTS	1 449	-	6	147	404	390	260	150	62	22	8	32.1
COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS	894	-	-	71	276	260	147	110	19	11	-	31.9
NATURAL SCIENTISTS	853	-	12	166	280	146	143	42	43	18	3	29.4
HEALTH DIAGNOSING OCCUPATIONS	994	1	2	79	318	192	160	148	46	26	22	32.5
PHYSICIANS	639	-	-	28	181	146	118	112	19	22	13	33.8
DENTISTS	154	1	2	30	69	16	8	20	6	-	2	28.2
OTHER HEALTH DIAGNOSING PRACTITIONERS	201	-	-	21	68	30	34	16	21	4	7	31.9
HEALTH ASSESSMENT AND TREATING OCCUPATIONS	32 582	35	100	4 289	7 952	5 514	6 632	5 093	1 657	848	462	33.6
REGISTERED NURSES	27 787	4	63	3 283	6 420	4 817	5 958	4 649	1 459	720	414	34.3
PHARMACISTS	628	-	-	144	231	99	82	35	15	9	13	28.7
THERAPISTS	2 976	4	22	684	1 007	486	443	213	57	38	22	28.9
TEACHERS, LIBRARIANS, AND COUNSELORS	55 206	256	634	5 604	10 321	10 170	13 717	8 371	2 861	2 130	1 142	35.4
TEACHERS, POSTSECONDARY	3 684	-	90	561	595	543	975	539	223	125	33	35.5
TEACHERS, ELEMENTARY AND PRE-KINDERGARTEN	30 849	80	117	2 668	5 562	6 153	7 993	4 783	1 638	1 318	537	35.9
TEACHERS, SECONDARY	11 591	30	65	1 268	2 547	2 085	2 814	1 720	497	367	198	34.5
SOCIAL SCIENTISTS AND URBAN PLANNERS	1 196	-	2	161	351	276	232	88	39	21	26	31.5
SOCIAL AND RECREATION WORKERS	6 364	20	75	953	1 424	1 029	1 351	822	311	216	163	33.4
RELIGIOUS WORKERS	1 339	-	6	89	191	211	320	228	72	86	136	40.3
LAWYERS AND JUDGES	1 267	5	-	102	513	454	106	54	18	-	15	30.1
WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES	9 587	153	272	1 885	2 118	1 485	1 735	988	396	289	266	31.2
TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS	359 011	12 491	24 981	69 723	54 475	42 726	63 017	49 436	21 443	12 853	7 866	32.1
TECHNICIANS AND RELATED SUPPORT OCCUPATIONS	28 272	98	505	7 115	7 226	4 279	4 708	2 685	878	549	229	29.4
HEALTH TECHNOLOGISTS AND TECHNICIANS	19 330	56	281	4 711	4 834	2 892	3 422	1 919	625	444	146	29.8
LICENSED PRACTICAL NURSES	9 921	30	125	2 251	2 298	1 636	1 834	1 084	325	236	102	30.8
ENGINEERING AND SCIENCE TECHNICIANS	3 783	19	126	1 140	913	478	522	372	133	47	33	28.3
ELECTRICAL AND ELECTRONIC TECHNICIANS	671	-	13	188	172	122	50	84	36	6	-	28.9
DRAFTING AND SURVEYING TECHNICIANS	681	2	29	218	239	73	65	31	17	-	7	26.9
TECHNICIANS, EXCEPT HEALTH, ENGINEERING, AND SCIENCE	5 159	23	98	1 264	1 479	909	764	394	120	58	50	29.0
AIRPLANE PILOTS AND NAVIGATORS	14	-	-	6	-	2	6	-	-	-	-	32.5
COMPUTER PROGRAMMERS	2 295	9	29	592	767	426	358	95	14	5	-	28.4
SALES OCCUPATIONS	87 135	8 757	9 996	13 358	9 202	7 900	13 981	11 610	5 470	3 927	2 934	31.4
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS	6 431	45	205	959	932	774	1 379	1 006	602	334	195	36.9
SELF-EMPLOYED	1 795	-	10	45	144	234	502	377	219	146	118	44.1
SALES REPRESENTATIVES, FINANCE AND BUSINESS SERVICES	11 026	119	247	1 563	1 889	1 834	2 586	1 678	593	300	217	34.6
SALES REPRESENTATIVES, COMMODITIES, EXCEPT RETAIL	3 470	72	99	511	763	630	747	366	120	88	74	32.3
SALES WORKERS, RETAIL AND PERSONAL SERVICES	65 777	8 516	9 418	10 287	5 554	4 622	9 142	8 487	4 125	3 189	2 437	29.2
CASHIERS	24 174	4 181	4 453	4 243	2 132	1 446	2 836	2 486	1 159	708	530	23.8
SALES RELATED OCCUPATIONS	431	5	27	38	64	40	127	73	30	16	11	38.2

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MINNESOTA	TOTAL, 16 YEARS AND OVER	16 AND 17 YEARS	18 AND 19 YEARS	20 TO 24 YEARS	25 TO 29 YEARS	30 TO 34 YEARS	35 TO 44 YEARS	45 TO 54 YEARS	55 TO 59 YEARS	60 TO 64 YEARS	65 YEARS AND OVER	MEDIAN AGE
WHITE												
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL	243 604	3 636	14 480	49 250	38 047	30 547	44 328	35 141	15 095	8 377	4 703	32.7
SUPERVISORS, ADMINISTRATIVE SUPPORT OCCUPATIONS	7 285	2	61	901	1 338	1 352	1 343	1 379	461	361	87	35.0
COMPUTER EQUIPMENT OPERATORS	4 270	26	302	1 275	922	713	548	338	109	24	13	27.9
SECRETARIES, STENOGRAPHERS, AND TYPISTS	84 626	755	4 441	17 621	13 739	10 784	16 453	11 896	4 991	2 568	1 378	32.7
SECRETARIES	71 410	503	3 240	14 723	12 009	9 328	14 187	10 217	4 045	2 073	1 085	32.8
RECEPTIONISTS	10 623	329	962	2 490	1 426	1 084	1 842	1 372	478	298	342	30.5
FILE CLERKS	3 069	242	486	737	379	199	307	323	171	112	113	25.9
FINANCIAL RECORDS PROCESSING OCCUPATIONS	42 750	274	1 655	6 930	5 936	5 305	8 818	7 503	3 411	1 857	1 061	36.3
BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS	36 678	208	1 278	5 560	4 858	4 616	7 786	6 687	3 047	1 656	982	37.1
TELEPHONE OPERATORS	3 385	70	190	754	314	339	604	556	294	119	145	35.5
MAIL AND MESSAGE DISTRIBUTING OCCUPATIONS	4 376	80	379	840	618	455	682	697	344	166	115	33.0
TRAFFIC, SHIPPING, STOCK AND INVENTORY CLERKS	5 845	137	452	996	923	724	1 037	849	364	263	100	32.9
INSURANCE ADJUSTERS, EXAMINERS, AND INVESTIGATORS	2 051	10	54	637	668	242	216	109	62	36	17	27.4
BANK TELLERS	7 561	100	735	2 380	1 242	864	1 201	709	213	88	29	27.3
DATA-ENTRY KEYERS	7 623	51	469	2 008	1 505	1 386	1 342	611	169	61	21	29.3
OTHER ADMINISTRATIVE SUPPORT OCCUPATIONS	60 140	1 560	4 294	11 681	9 037	7 100	9 935	8 799	4 028	2 424	1 282	32.5
SERVICE OCCUPATIONS	166 109	17 748	16 336	28 751	17 076	14 704	23 501	20 888	10 607	8 765	7 733	31.1
PRIVATE HOUSEHOLD OCCUPATIONS	6 598	879	319	638	599	490	729	701	556	599	1 088	39.1
PROTECTIVE SERVICE OCCUPATIONS	1 664	138	187	448	256	154	253	161	25	32	10	26.2
FIREFIGHTING OCCUPATIONS	13	3	-	3	-	-	7	-	-	-	-	40.4
POLICE AND DETECTIVES, PUBLIC SERVICE	173	-	2	48	57	9	30	24	3	-	-	28.2
GUARDS	1 159	135	182	348	147	70	145	92	6	24	10	23.4
OTHER PROTECTIVE SERVICE OCCUPATIONS	319	-	3	49	52	75	71	45	16	8	-	33.7
SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD	157 847	16 731	15 830	27 665	16 221	14 060	22 519	20 026	10 026	8 134	6 635	30.9
FOOD PREPARATION AND SERVICE OCCUPATIONS	69 961	11 847	9 023	11 823	4 904	4 179	8 286	9 108	4 659	3 575	2 557	27.3
WAITERS AND FOOD COUNTER WORKERS	34 668	8 319	5 932	7 449	2 776	1 959	3 134	2 589	1 169	730	611	21.6
COOKS	17 004	1 170	1 120	1 623	817	937	2 595	3 912	1 914	1 779	1 137	45.7
HEALTH SERVICE OCCUPATIONS	38 224	2 840	4 226	8 620	4 736	2 954	5 222	4 657	2 171	1 570	1 228	28.6
NURSING AIDES, ORDERLIES, AND ATTENDANTS	29 365	2 105	3 385	6 301	3 291	2 298	4 246	3 718	1 701	1 290	1 030	29.4
CLEANING AND BUILDING SERVICE OCCUPATIONS EXC. HOUSEHOLD	17 638	1 381	1 243	1 783	1 333	1 086	2 558	2 672	1 824	2 056	1 702	42.9
PERSONAL SERVICE OCCUPATIONS	32 024	663	1 338	5 439	5 248	5 841	6 453	3 589	1 372	933	1 148	32.8
BARBERS, HAIRDRESSERS AND COSMETOLOGISTS	8 762	19	248	1 976	1 660	1 821	1 616	544	280	306	292	31.3
FARMING, FORESTRY, AND FISHING OCCUPATIONS	15 498	811	569	1 352	1 413	1 578	3 451	3 443	1 447	748	686	41.0
FARM OPERATORS AND MANAGERS	6 486	-	34	298	594	740	1 690	1 655	715	382	378	44.3
FARM OCCUPATIONS, EXCEPT MANAGERIAL	7 755	694	436	730	621	699	1 590	1 692	686	321	286	39.8
RELATED AGRICULTURAL OCCUPATIONS	1 119	102	81	262	182	132	161	88	45	45	21	28.1
FORESTRY AND FISHING OCCUPATIONS	138	15	18	62	16	7	10	8	1	-	1	22.4
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS	17 407	196	795	2 685	2 643	2 104	3 277	3 028	1 310	815	554	35.8
MECHANICS AND REPAIRERS	1 966	21	52	394	465	292	266	297	97	55	27	30.9
AUTOMOBILE MECHANICS, INCLUDING BODY	146	-	5	32	37	15	7	18	5	13	14	29.9
AIRCRAFT MECHANICS	13	-	-	-	6	2	-	5	-	-	-	31.3
HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS	9	-	-	5	-	-	2	-	-	2	-	21.8
OTHER MECHANICS AND REPAIRERS	1 798	21	47	357	422	275	257	274	92	40	13	30.9
CONSTRUCTION TRADES	1 419	21	75	301	230	184	290	172	71	40	35	32.2
CARPENTERS	321	7	34	64	54	48	39	40	4	17	14	30.2
ELECTRICIANS	126	9	6	34	16	10	15	17	19	-	-	29.4
PAINTERS, CONSTRUCTION AND MAINTENANCE	404	5	19	90	62	53	82	48	10	20	15	32.5
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	49	-	-	18	2	7	3	12	7	-	-	33.2
OTHER CONSTRUCTION TRADES	519	-	16	95	96	66	151	55	31	3	6	34.0
EXTRACTIVE OCCUPATIONS	35	-	2	8	-	2	14	4	-	5	-	42.0
PRECISION PRODUCTION OCCUPATIONS	13 987	154	666	1 982	1 948	1 626	2 707	2 555	1 142	715	492	37.1
SUPERVISORS, PRODUCTION OCCUPATIONS	4 251	28	81	452	649	595	1 034	820	363	162	67	37.9
MANUFACTURING	2 566	-	11	269	452	291	704	488	234	89	28	38.4
PRECISION METALWORKING OCCUPATIONS	959	41	70	200	183	144	145	95	35	37	9	29.6
TOOL AND DIE MAKERS	68	-	4	13	5	11	7	15	5	8	-	37.5
MACHINISTS	415	-	36	111	85	74	61	33	6	9	-	28.6
SHEET METAL WORKERS	61	-	3	16	15	7	12	8	-	-	-	28.8
OTHER PRECISION METAL WORKERS	415	41	27	60	78	52	65	39	24	20	9	30.1
PRECISION TEXTILE, APPAREL, AND FURNISHINGS MACHINE WORKERS	2 677	14	64	284	277	230	510	549	244	274	231	44.2
PLANT AND SYSTEM OPERATORS	126	-	11	3	19	13	22	35	15	8	-	42.5
OTHER PRECISION PRODUCTION OCCUPATIONS	5 974	71	440	1 043	820	644	996	1 056	485	234	185	34.8

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WHITE												
OPERATORS, FABRICATORS, AND LABORERS	74 627	1 634	4 955	13 886	9 577	7 965	13 578	12 214	5 626	3 575	1 617	34.6
MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS	54 744	748	3 570	10 346	7 320	6 001	9 628	9 038	4 221	2 798	1 074	34.5
MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION	28 101	449	1 722	5 176	3 759	2 916	4 914	4 463	2 353	1 598	751	35.1
METALWORKING AND PLASTIC WORKING MACHINE OPERATORS	2 052	36	120	376	315	292	383	261	168	92	9	33.1
PRINTING MACHINE OPERATORS	3 396	49	214	795	539	410	483	534	220	125	27	31.2
TEXTILE, APPAREL, AND FURNISHINGS MACHINE OPERATORS	7 356	206	443	761	680	698	1 337	1 359	789	627	456	41.3
TEXTILE MACHINE OPERATORS	537	8	29	66	65	78	118	101	22	38	12	36.7
TEXTILE SEWING MACHINE OPERATORS	3 201	13	179	391	349	296	584	586	351	251	201	41.2
LAUNDERING AND DRYCLEANING MACHINE OPERATORS	2 705	152	183	208	162	230	416	543	332	254	225	45.0
OTHER SPECIFIED MACHINE OPERATORS	6 254	81	436	1 311	910	685	1 078	826	499	332	96	32.8
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS	9 043	77	509	1 933	1 315	831	1 633	1 483	677	422	163	34.1
OCCUPATION:												
MISCELLANEOUS MACHINE OPERATORS, N.E.C.	2 690	22	165	577	381	258	478	362	226	160	61	33.9
MACHINE OPERATORS, NOT SPECIFIED	6 353	55	344	1 356	934	573	1 155	1 121	451	262	102	34.3
INDUSTRY:												
MANUFACTURING	7 604	52	415	1 633	1 074	717	1 396	1 271	591	337	118	34.4
NONDURABLE GOODS	3 311	40	187	736	476	274	614	587	197	129	71	34.0
FOOD AND KINDRED PRODUCTS	917	6	40	213	149	56	188	164	48	38	15	34.5
TEXTILE MILL AND FINISHED TEXTILE PRODUCTS	267	-	21	55	25	12	56	37	13	27	21	40.7
PAPER AND ALLIED PRODUCTS	564	-	16	144	101	52	82	100	36	18	15	32.0
OTHER NONDURABLE GOODS	1 563	34	110	324	201	154	288	286	100	46	20	33.7
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG	4 293	12	228	897	598	443	782	684	394	208	47	34.6
METAL INDUSTRIES	725	-	30	128	49	98	152	161	63	42	2	38.7
MACHINERY, INCLUDING ELECTRICAL	1 981	-	117	429	357	196	304	293	189	94	2	32.2
TRANSPORTATION EQUIPMENT	51	-	4	15	6	2	9	10	5	-	-	31.3
OTHER DURABLE GOODS	1 536	12	77	325	186	147	317	220	137	72	43	35.6
NONMANUFACTURING INDUSTRIES	1 439	25	94	300	241	114	237	212	86	85	45	32.6
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	66	-	6	33	5	5	7	10	-	-	-	23.7
WHOLESALE AND RETAIL TRADE	769	18	53	125	128	69	132	125	44	53	22	34.4
ALL OTHER INDUSTRIES	604	7	35	142	108	40	98	77	42	32	23	31.3
FABRICATORS, ASSEMBLERS, AND HAND WORKING OCCUPATIONS	20 901	253	1 633	4 375	2 798	2 318	3 647	3 477	1 275	903	222	33.0
WELDERS AND CUTTERS	689	2	52	167	83	132	95	106	26	26	-	31.5
ASSEMBLERS	18 820	215	1 451	3 966	2 531	2 011	3 320	3 145	1 184	791	206	33.1
OTHER FABRICATORS AND HAND WORKING OCCUPATIONS	1 392	36	130	242	184	175	232	226	65	86	16	33.0
PRODUCTION INSPECTORS, TESTERS, SAMPLERS, AND WEIGHERS	5 742	46	215	795	763	767	1 067	1 098	593	297	101	37.7
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	5 095	32	188	935	726	693	1 327	831	212	83	68	34.8
MOTOR VEHICLE OPERATORS	4 257	24	168	700	539	611	1 195	711	173	75	61	35.7
TRUCK DRIVERS AND DRIVER-SALES WORKERS	1 186	24	55	287	160	135	245	142	79	20	39	32.5
BUS DRIVERS	2 716	-	78	322	328	423	909	523	94	30	9	37.2
RAIL AND WATER TRANSPORTATION OCCUPATIONS	108	8	-	39	27	7	18	-	9	-	-	26.3
MATERIAL MOVING EQUIPMENT OPERATORS	730	-	20	196	160	75	114	120	30	8	7	29.7
EXCAVATING, GRADING, AND DOZER MACHINE OPERATORS	14	-	-	-	-	1	5	2	6	-	-	52.5
HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS	14 788	854	1 197	2 605	1 531	1 271	2 623	2 345	1 193	694	475	34.7
CONSTRUCTION LABORERS	207	6	16	44	46	16	24	18	16	21	-	29.1
FREIGHT, STOCK, AND MATERIAL HANDLERS	3 233	374	314	510	290	252	565	466	261	119	82	32.5
GARAGE AND SERVICE STATION RELATED OCCUPATIONS	556	88	120	129	53	41	55	36	28	4	2	22.5
HAND PACKERS AND PACKAGERS	5 496	159	354	798	553	497	1 038	1 056	489	344	208	38.5
OTHER SPECIFIED HANDLERS, EQUIPMENT CLEANERS, AND HELPERS	1 017	78	92	199	119	92	163	145	50	28	51	31.1
LABORERS, EXCEPT CONSTRUCTION	4 279	149	301	925	470	373	778	624	349	178	132	33.9
MANUFACTURING	2 436	33	176	512	302	236	433	368	219	97	60	34.1
NONDURABLE GOODS	1 333	22	111	284	162	108	190	224	138	51	43	34.1
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG	1 103	11	65	228	140	128	243	144	81	46	17	34.2
METAL INDUSTRIES	189	9	8	26	25	26	32	23	34	6	-	35.2
NONMANUFACTURING INDUSTRIES	1 843	116	125	413	168	137	345	256	130	81	72	33.6
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	127	-	7	15	24	18	31	24	-	-	8	34.9
WHOLESALE AND RETAIL TRADE	1 042	66	53	235	67	59	232	156	87	46	41	36.5
ALL OTHER INDUSTRIES	674	50	65	163	77	60	82	76	43	35	23	28.8

TABLE 221. OCCUPATION OF EMPLOYED PERSONS BY AGE, 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]

MINNESOTA	TOTAL, 16 YEARS AND OVER	16 AND 17 YEARS	18 AND 19 YEARS	20 TO 24 YEARS	25 TO 29 YEARS	30 TO 34 YEARS	35 TO 44 YEARS	45 TO 54 YEARS	55 TO 59 YEARS	60 TO 64 YEARS	65 YEARS AND OVER	MEDIAN AGE
BLACK												
EMPLOYED MALES 16 YEARS AND OVER	10 803	249	401	1 649	2 322	1 716	2 039	1 491	499	245	192	32.3
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS	2 498	4	47	222	528	519	675	380	74	26	23	34.3
EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS	1 159	4	15	117	231	169	362	216	36	9	-	36.1
OFFICIALS AND ADMINISTRATORS, PUBLIC ADMINISTRATION	15	-	-	-	-	6	-	9	-	-	-	45.8
ADMINISTRATORS, EDUCATION AND RELATED FIELDS	67	-	-	-	15	7	24	6	15	-	-	41.3
MANAGERS, MEDICINE AND HEALTH	7	-	-	-	-	-	-	5	2	-	-	48.5
OTHER SPECIFIED MANAGERS	122	-	-	13	22	6	65	16	-	-	-	36.9
MANAGERS AND ADMINISTRATORS, N.E.C., SALARIED	553	4	15	62	92	85	151	116	19	9	-	36.0
MANUFACTURING	140	-	-	11	27	22	33	41	6	-	-	38.8
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	40	-	-	11	-	15	14	-	-	-	-	33.0
WHOLESALE AND RETAIL TRADE	112	-	-	22	35	20	22	6	7	-	-	29.9
ALL OTHER INDUSTRIES	261	4	15	18	30	28	82	69	6	9	-	38.4
MANAGERS AND ADMINISTRATORS, N.E.C., SELF-EMPLOYED	25	-	-	-	-	11	11	3	-	-	-	35.7
CONSTRUCTION	-	-	-	-	-	-	-	-	-	-	-	-
MANUFACTURING	-	-	-	-	-	-	-	-	-	-	-	-
WHOLESALE AND RETAIL TRADE	11	-	-	-	-	11	-	-	-	-	-	32.5
ALL OTHER INDUSTRIES	14	-	-	-	-	-	11	3	-	-	-	38.2
MANAGEMENT RELATED OCCUPATIONS	370	-	-	42	102	54	111	61	-	-	-	33.8
ACCOUNTANTS AND AUDITORS	107	-	-	21	40	17	10	19	-	-	-	29.1
BUYERS AND PURCHASING AGENTS	19	-	-	6	13	-	-	-	-	-	-	26.3
PROFESSIONAL SPECIALTY OCCUPATIONS	1 339	-	32	105	297	350	313	164	38	17	23	33.4
ENGINEERS, ARCHITECTS, AND SURVEYORS	227	-	-	26	76	65	38	22	-	-	-	30.9
ARCHITECTS	15	-	-	-	-	5	-	10	-	-	-	46.3
ENGINEERS	212	-	-	26	76	60	38	12	-	-	-	30.3
ELECTRICAL AND ELECTRONIC ENGINEERS	95	-	-	17	21	46	5	6	-	-	-	31.0
MECHANICAL ENGINEERS	36	-	-	9	27	-	-	-	-	-	-	26.7
OTHER ENGINEERS	81	-	-	-	28	14	33	6	-	-	-	34.5
SURVEYORS AND MAPPING SCIENTISTS	-	-	-	-	-	-	-	-	-	-	-	-
MATHEMATICAL AND COMPUTER SCIENTISTS	44	-	-	5	7	19	6	7	-	-	-	32.6
COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS	38	-	-	5	7	19	-	7	-	-	-	31.8
NATURAL SCIENTISTS	52	-	-	-	5	13	19	8	7	-	-	40.4
HEALTH DIAGNOSING OCCUPATIONS	60	-	-	7	14	7	14	10	8	-	-	35.7
PHYSICIANS	41	-	-	7	-	7	14	5	8	-	-	37.3
DENTISTS	14	-	-	-	14	-	-	-	-	-	-	27.5
OTHER HEALTH DIAGNOSING PRACTITIONERS	5	-	-	-	-	-	-	5	-	-	-	47.5
HEALTH ASSESSMENT AND TREATING OCCUPATIONS	56	-	-	12	6	21	7	10	-	-	-	32.4
REGISTERED NURSES	23	-	-	-	-	13	-	10	-	-	-	34.4
PHARMACISTS	4	-	-	4	-	-	-	-	-	-	-	23.5
THERAPISTS	29	-	-	8	6	8	7	-	-	-	-	30.3
TEACHERS, LIBRARIANS, AND COUNSELORS	418	-	15	21	76	122	102	64	12	-	6	34.0
TEACHERS, POSTSECONDARY	117	-	7	6	8	42	35	19	-	-	-	34.5
TEACHERS, ELEMENTARY AND PRE-KINDERGARTEN	109	-	-	5	29	25	12	38	-	-	-	34.1
TEACHERS, SECONDARY	59	-	-	2	16	28	8	-	5	-	-	32.1
SOCIAL SCIENTISTS AND URBAN PLANNERS	51	-	-	-	7	22	22	-	-	-	-	34.2
SOCIAL AND RECREATION WORKERS	157	-	6	11	54	15	41	30	-	-	-	32.5
RELIGIOUS WORKERS	35	-	-	-	-	6	9	-	-	8	12	61.6
LAWYERS AND JUDGES	72	-	-	5	6	15	20	13	8	-	5	37.5
WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES	167	-	11	18	46	45	35	-	3	9	-	30.9
TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS	2 450	68	130	516	509	386	445	210	91	76	19	30.0
TECHNICIANS AND RELATED SUPPORT OCCUPATIONS	466	-	17	52	101	107	119	56	14	-	-	32.9
HEALTH TECHNOLOGISTS AND TECHNICIANS	41	-	7	-	-	5	6	15	8	-	-	45.8
LICENSED PRACTICAL NURSES	5	-	-	-	-	5	-	-	-	-	-	32.5
ENGINEERING AND SCIENCE TECHNICIANS	232	-	-	33	69	41	42	41	6	-	-	31.7
ELECTRICAL AND ELECTRONIC TECHNICIANS	110	-	-	15	24	21	15	35	-	-	-	33.8
DRAFTING AND SURVEYING TECHNICIANS	55	-	-	6	20	14	15	-	-	-	-	30.5
TECHNICIANS, EXCEPT HEALTH, ENGINEERING, AND SCIENCE	193	-	10	19	32	61	71	-	-	-	-	32.9
AIRPLANE PILOTS AND NAVIGATORS	5	-	-	-	-	5	-	-	-	-	-	32.5
COMPUTER PROGRAMMERS	85	-	10	7	12	25	31	-	-	-	-	32.7
SALES OCCUPATIONS	712	40	26	112	137	150	155	26	27	27	12	31.4
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS	115	-	5	17	14	2	57	-	5	9	6	37.3
SELF-EMPLOYED	26	-	5	-	-	2	5	-	5	9	-	56.0
SALES REPRESENTATIVES, FINANCE AND BUSINESS SERVICES	228	-	-	38	50	83	26	18	7	-	6	31.6
SALES REPRESENTATIVES, COMMODITIES, EXCEPT RETAIL	162	10	-	16	33	40	58	-	5	-	-	32.7
SALES WORKERS, RETAIL AND PERSONAL SERVICES	207	30	21	41	40	25	14	8	10	18	-	26.4
CASHIERS	47	13	16	7	6	5	-	-	-	-	-	19.3
SALES RELATED OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-

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BLACK												
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL	1 272	28	87	352	271	129	171	128	50	49	7	28.1
SUPERVISORS, ADMINISTRATIVE SUPPORT OCCUPATIONS	123	-	-	15	18	13	37	26	14	-	-	40.9
COMPUTER EQUIPMENT OPERATORS	40	-	-	-	17	7	16	-	-	-	-	32.1
SECRETARIES, STENOGRAPHERS, AND TYPISTS	24	-	-	19	-	5	-	-	-	-	-	23.4
SECRETARIES	-	-	-	-	-	-	-	-	-	-	-	-
RECEPTIONISTS	19	-	-	11	-	-	8	-	-	-	-	24.6
FILE CLERKS	30	10	14	6	-	-	-	-	-	-	-	18.7
FINANCIAL RECORDS PROCESSING OCCUPATIONS	90	-	16	46	23	-	5	-	-	-	-	22.3
BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS	30	-	7	15	8	-	-	-	-	-	-	21.5
TELEPHONE OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-
MAIL AND MESSAGE DISTRIBUTING OCCUPATIONS	144	-	15	45	5	6	14	48	4	-	7	35.7
TRAFFIC, SHIPPING, STOCK AND INVENTORY CLERKS	305	13	22	69	69	17	55	10	21	29	-	28.5
INSURANCE ADJUSTERS, EXAMINERS, AND INVESTIGATORS	31	-	-	6	5	8	-	-	-	12	-	32.8
BANK TELLERS	2	-	-	2	-	-	-	-	-	-	-	23.5
DATA-ENTRY KEYERS	14	-	-	-	7	-	7	-	-	-	-	32.0
OTHER ADMINISTRATIVE SUPPORT OCCUPATIONS	450	5	20	133	127	73	29	44	11	8	-	27.6
SERVICE OCCUPATIONS	2 033	108	105	364	372	223	276	258	153	69	105	31.5
PRIVATE HOUSEHOLD OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-
PROTECTIVE SERVICE OCCUPATIONS	318	8	5	23	39	69	77	52	15	12	18	36.9
FIREFIGHTING OCCUPATIONS	43	-	-	-	7	19	17	-	-	-	-	33.8
POLICE AND DETECTIVES, PUBLIC SERVICE	72	-	-	-	-	40	17	15	-	-	-	34.5
GUARDS	173	8	5	23	30	8	35	19	15	12	18	41.8
OTHER PROTECTIVE SERVICE OCCUPATIONS	30	-	-	-	2	2	8	18	-	-	-	47.5
SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD	1 715	100	100	341	333	154	199	206	138	57	87	29.8
FOOD PREPARATION AND SERVICE OCCUPATIONS	478	48	56	90	38	11	68	70	59	20	18	33.2
WAITERS AND FOOD COUNTER WORKERS	81	4	-	13	12	6	-	19	15	-	12	50.8
COOKS	165	13	15	-	20	5	61	31	18	2	-	38.5
HEALTH SERVICE OCCUPATIONS	196	14	-	62	68	3	8	14	12	5	10	26.6
NURSING AIDES, ORDERLIES, AND ATTENDANTS	170	5	-	51	62	3	8	14	12	5	10	27.3
CLEANING AND BUILDING SERVICE OCCUPATIONS EXC. HOUSEHOLD	822	11	24	158	165	110	116	116	38	25	59	32.4
PERSONAL SERVICE OCCUPATIONS	219	27	20	31	62	30	7	6	29	7	-	27.5
BARBERS, HAIRDRESSERS AND COSMETOLOGISTS	27	-	-	7	8	12	-	-	-	-	-	29.1
FARMING, FORESTRY, AND FISHING OCCUPATIONS	43	-	14	8	-	5	4	7	2	-	3	24.8
FARM OPERATORS AND MANAGERS	5	-	-	-	-	-	-	-	2	-	3	75+
FARM OCCUPATIONS, EXCEPT MANAGERIAL	14	-	14	-	-	-	-	-	-	-	-	19.0
RELATED AGRICULTURAL OCCUPATIONS	24	-	-	8	-	5	4	7	-	-	-	34.0
FORESTRY AND FISHING OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS	1 033	10	26	94	147	226	210	219	73	13	15	35.7
MECHANICS AND REPAIRERS	329	10	6	29	48	86	32	69	39	5	5	34.2
AUTOMOBILE MECHANICS, INCLUDING BODY	106	10	6	9	12	32	-	20	12	5	-	32.5
AIRCRAFT MECHANICS	17	-	-	-	11	6	-	-	-	-	-	28.9
HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS	-	-	-	-	-	-	-	-	-	-	-	-
OTHER MECHANICS AND REPAIRERS	206	-	-	20	25	48	32	49	27	-	5	37.1
CONSTRUCTION TRADES	373	-	20	56	58	84	81	62	12	-	-	33.1
CARPENTERS	58	-	-	14	10	15	16	3	-	-	-	31.7
ELECTRICIANS	81	-	-	30	16	24	11	-	-	-	-	28.3
PAINTERS, CONSTRUCTION AND MAINTENANCE	66	-	-	12	-	6	8	33	7	-	-	47.3
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	55	-	-	-	15	16	10	14	-	-	-	33.9
OTHER CONSTRUCTION TRADES	113	-	20	-	17	23	36	12	5	-	-	34.2
EXTRACTIVE OCCUPATIONS	17	-	-	-	11	-	-	6	-	-	-	28.9
PRECISION PRODUCTION OCCUPATIONS	314	-	-	9	30	56	97	82	22	8	10	40.0
SUPERVISORS, PRODUCTION OCCUPATIONS	134	-	-	-	5	29	64	28	-	8	-	38.9
MANUFACTURING	115	-	-	-	5	29	57	16	-	8	-	38.4
PRECISION METALWORKING OCCUPATIONS	67	-	-	-	15	6	24	22	-	-	-	39.5
TOOL AND DIE MAKERS	7	-	-	-	-	-	-	7	-	-	-	52.5
MACHINISTS	58	-	-	-	15	6	22	15	-	-	-	37.9
SHEET METAL WORKERS	-	-	-	-	-	-	-	-	-	-	-	-
OTHER PRECISION METAL WORKERS	2	-	-	-	-	-	2	-	-	-	-	42.5
PRECISION TEXTILE, APPAREL, AND FURNISHINGS MACHINE WORKERS	26	-	-	-	-	10	-	-	16	-	-	55.9
PLANT AND SYSTEM OPERATORS	31	-	-	-	-	-	-	21	-	-	10	53.0
OTHER PRECISION PRODUCTION OCCUPATIONS	56	-	-	9	10	11	9	11	6	-	-	34.1

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BLACK												
OPERATORS, FABRICATORS, AND LABORERS	2 746	59	79	445	766	357	429	417	106	61	27	30.3
MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS	1 318	23	37	216	419	188	186	186	35	28	-	29.6
MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION	785	23	15	142	261	88	99	135	13	9	-	29.1
METALWORKING AND PLASTIC WORKING MACHINE OPERATORS	117	9	-	6	58	22	17	5	-	-	-	28.8
PRINTING MACHINE OPERATORS	77	-	6	29	19	16	-	7	-	-	-	25.9
TEXTILE, APPAREL, AND FURNISHINGS MACHINE OPERATORS	62	-	-	9	5	7	16	16	6	3	-	40.0
TEXTILE MACHINE OPERATORS	6	-	-	-	-	-	-	-	6	-	-	57.5
TEXTILE SEWING MACHINE OPERATORS	17	-	-	-	-	-	10	7	-	-	-	39.2
LAUNDERING AND DRYCLEANING MACHINE OPERATORS	13	-	-	-	-	7	6	-	-	-	-	34.6
OTHER SPECIFIED MACHINE OPERATORS	232	8	9	56	42	27	30	60	-	-	-	30.2
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS	297	6	-	42	137	16	36	47	7	6	-	28.7
OCCUPATION:												
MISCELLANEOUS MACHINE OPERATORS, N.E.C.	85	-	-	19	57	-	-	9	-	-	-	27.1
MACHINE OPERATORS, NOT SPECIFIED	212	6	-	23	80	16	36	38	7	6	-	29.8
INDUSTRY:												
MANUFACTURING	231	-	-	42	115	5	25	37	7	-	-	28.2
NONDURABLE GOODS	48	-	-	15	20	-	-	13	-	-	-	27.2
FOOD AND KINDRED PRODUCTS	15	-	-	9	6	-	-	-	-	-	-	24.5
TEXTILE MILL AND FINISHED TEXTILE PRODUCTS	-	-	-	-	-	-	-	-	-	-	-	-
PAPER AND ALLIED PRODUCTS	14	-	-	6	8	-	-	-	-	-	-	25.6
OTHER NONDURABLE GOODS	19	-	-	-	6	-	-	13	-	-	-	47.9
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG	183	-	-	27	95	5	25	24	7	-	-	28.4
METAL INDUSTRIES	46	-	-	9	31	-	-	6	-	-	-	27.3
MACHINERY, INCLUDING ELECTRICAL	80	-	-	11	37	-	7	18	7	-	-	28.9
TRANSPORTATION EQUIPMENT	18	-	-	-	18	-	-	-	-	-	-	27.5
OTHER DURABLE GOODS	39	-	-	7	9	5	18	-	-	-	-	33.5
NONMANUFACTURING INDUSTRIES	66	6	-	-	22	11	11	10	-	6	-	32.3
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	-	-	-	-	-	-	-	-	-	-	-	-
WHOLESALE AND RETAIL TRADE	39	-	-	-	16	11	11	1	-	-	-	31.6
ALL OTHER INDUSTRIES	27	6	-	-	6	-	-	9	-	6	-	45.8
FABRICATORS, ASSEMBLERS, AND HAND WORKING OCCUPATIONS	475	-	22	67	131	88	81	51	16	19	-	31.0
WELDERS AND CUTTERS	124	-	13	10	34	26	17	15	9	-	-	31.0
ASSEMBLERS	333	-	9	57	97	62	59	30	-	19	-	30.3
OTHER FABRICATORS AND HAND WORKING OCCUPATIONS	18	-	-	-	-	-	5	6	7	-	-	53.3
PRODUCTION INSPECTORS, TESTERS, SAMPLERS, AND WEIGHERS	58	-	-	7	27	12	6	-	6	-	-	29.1
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	637	-	-	74	181	63	106	150	42	-	21	35.0
MOTOR VEHICLE OPERATORS	428	-	-	40	100	41	72	112	42	-	21	39.0
TRUCK DRIVERS AND DRIVER-SALES WORKERS	153	-	-	14	43	12	38	27	19	-	-	36.5
BUS DRIVERS	182	-	-	21	30	29	29	58	15	-	-	38.4
RAIL AND WATER TRANSPORTATION OCCUPATIONS	27	-	-	8	8	6	5	-	-	-	-	28.4
MATERIAL MOVING EQUIPMENT OPERATORS	182	-	-	26	73	16	29	38	-	-	-	29.5
EXCAVATING, GRADING, AND DOZER MACHINE OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-
HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS	791	36	42	155	166	106	137	81	29	33	6	29.9
CONSTRUCTION LABORERS	104	-	5	42	14	-	23	7	-	13	-	26.8
FREIGHT, STOCK, AND MATERIAL HANDLERS	180	27	21	35	22	23	14	8	15	15	-	26.6
GARAGE AND SERVICE STATION RELATED OCCUPATIONS	10	-	-	-	6	-	4	-	-	-	-	29.2
HAND PACKERS AND PACKAGERS	108	-	16	24	12	17	24	10	-	5	-	30.6
OTHER SPECIFIED HANDLERS, EQUIPMENT CLEANERS, AND HELPERS	93	-	-	24	24	12	18	15	-	-	-	29.7
LABORERS, EXCEPT CONSTRUCTION	296	9	-	30	88	54	54	41	14	-	6	31.9
MANUFACTURING	109	-	-	12	33	24	16	13	5	-	6	32.0
NONDURABLE GOODS	54	-	-	4	20	4	8	7	5	-	6	33.8
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG	55	-	-	8	13	20	8	6	-	-	-	31.6
METAL INDUSTRIES	32	-	-	8	7	11	-	6	-	-	-	30.5
NONMANUFACTURING INDUSTRIES	187	9	-	18	55	30	38	28	9	-	-	31.9
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	61	-	-	5	33	-	14	-	9	-	-	28.9
WHOLESALE AND RETAIL TRADE	54	-	-	7	13	24	4	6	-	-	-	31.5
ALL OTHER INDUSTRIES	72	9	-	6	9	6	20	22	-	-	-	37.7

TABLE 221. OCCUPATION OF EMPLOYED PERSONS BY AGE, 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]

MINNESOTA	TOTAL, 16 YEARS AND OVER	16 AND 17 YEARS	18 AND 19 YEARS	20 TO 24 YEARS	25 TO 29 YEARS	30 TO 34 YEARS	35 TO 44 YEARS	45 TO 54 YEARS	55 TO 59 YEARS	60 TO 64 YEARS	65 YEARS AND OVER	MEDIAN AGE
BLACK												
EMPLOYED FEMALES 16 YEARS AND OVER	8 837	357	399	1 563	1 538	1 435	1 672	1 138	313	302	120	32.0
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS	1 950	4	33	240	300	446	453	341	56	67	10	34.5
EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS	805	-	17	91	100	202	175	184	12	20	4	34.8
OFFICIALS AND ADMINISTRATORS, PUBLIC ADMINISTRATION	18	-	-	-	-	8	5	5	-	-	-	36.0
ADMINISTRATORS, EDUCATION AND RELATED FIELDS	66	-	-	-	8	5	16	37	-	-	-	45.6
MANAGERS, MEDICINE AND HEALTH	10	-	-	-	-	-	-	-	-	10	-	62.5
OTHER SPECIFIED MANAGERS	130	-	-	21	11	46	30	18	4	-	-	33.6
MANAGERS AND ADMINISTRATORS, N.E.C., SALARIED	175	-	-	5	19	46	22	65	8	10	-	43.1
MANUFACTURING	48	-	-	-	13	5	10	12	8	-	-	41.0
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	-	-	-	-	-	-	-	-	-	-	-	-
WHOLESALE AND RETAIL TRADE	26	-	-	-	6	9	-	11	-	-	-	33.9
ALL OTHER INDUSTRIES	101	-	-	5	-	32	12	42	-	10	-	45.5
MANAGERS AND ADMINISTRATORS, N.E.C., SELF-EMPLOYED	9	-	-	-	-	-	9	-	-	-	-	37.5
CONSTRUCTION	-	-	-	-	-	-	-	-	-	-	-	-
MANUFACTURING	-	-	-	-	-	-	-	-	-	-	-	-
WHOLESALE AND RETAIL TRADE	-	-	-	-	-	-	-	-	-	-	-	-
ALL OTHER INDUSTRIES	9	-	-	-	-	-	9	-	-	-	-	37.5
MANAGEMENT RELATED OCCUPATIONS	397	-	17	65	62	97	93	59	-	-	4	32.8
ACCOUNTANTS AND AUDITORS	119	-	8	40	18	9	30	14	-	-	-	28.2
BUYERS AND PURCHASING AGENTS	21	-	-	7	-	5	9	-	-	-	-	33.5
PROFESSIONAL SPECIALTY OCCUPATIONS	1 145	4	16	149	200	244	278	157	44	47	6	34.2
ENGINEERS, ARCHITECTS, AND SURVEYORS	30	-	6	13	5	-	-	6	-	-	-	24.1
ARCHITECTS	-	-	-	-	-	-	-	-	-	-	-	-
ENGINEERS	30	-	6	13	5	-	-	6	-	-	-	24.1
ELECTRICAL AND ELECTRONIC ENGINEERS	12	-	6	-	-	-	-	6	-	-	-	32.0
MECHANICAL ENGINEERS	-	-	-	-	-	-	-	-	-	-	-	-
OTHER ENGINEERS	18	-	-	13	5	-	-	-	-	-	-	24.1
SURVEYORS AND MAPPING SCIENTISTS	-	-	-	-	-	-	-	-	-	-	-	-
MATHEMATICAL AND COMPUTER SCIENTISTS	50	-	-	-	29	11	5	5	-	-	-	29.3
COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS	50	-	-	-	29	11	5	5	-	-	-	29.3
NATURAL SCIENTISTS	23	-	-	14	-	-	9	-	-	-	-	23.1
HEALTH DIAGNOSING OCCUPATIONS	28	-	-	-	-	7	21	-	-	-	-	37.3
PHYSICIANS	6	-	-	-	-	-	6	-	-	-	-	37.5
DENTISTS	22	-	-	-	-	7	15	-	-	-	-	37.2
OTHER HEALTH DIAGNOSING PRACTITIONERS	-	-	-	-	-	-	-	-	-	-	-	-
HEALTH ASSESSMENT AND TREATING OCCUPATIONS	172	-	-	34	26	26	40	20	14	6	6	35.0
REGISTERED NURSES	129	-	-	26	16	26	26	16	7	6	6	34.3
PHARMACISTS	3	-	-	-	3	-	-	-	-	-	-	27.5
THERAPISTS	26	-	-	5	-	-	14	-	7	-	-	40.0
TEACHERS, LIBRARIANS, AND COUNSELORS	578	-	-	77	81	152	151	78	19	20	-	34.3
TEACHERS, POSTSECONDARY	79	-	-	36	12	19	-	7	5	-	-	26.5
TEACHERS, ELEMENTARY AND PRE-KINDERGARTEN	294	-	-	14	29	67	107	51	6	20	-	38.6
TEACHERS, SECONDARY	105	-	-	15	18	44	15	5	8	-	-	32.2
SOCIAL SCIENTISTS AND URBAN PLANNERS	18	-	-	-	11	7	-	-	-	-	-	29.1
SOCIAL AND RECREATION WORKERS	159	4	4	6	21	14	45	40	4	21	-	39.5
RELIGIOUS WORKERS	-	-	-	-	-	-	-	-	-	-	-	-
LAWYERS AND JUDGES	12	-	-	-	-	5	-	-	7	-	-	55.7
WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES	75	-	6	5	27	22	7	8	-	-	-	29.9
TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS	3 763	201	216	937	723	520	672	300	112	58	24	28.6
TECHNICIANS AND RELATED SUPPORT OCCUPATIONS	285	-	-	60	84	51	83	-	-	7	-	29.9
HEALTH TECHNOLOGISTS AND TECHNICIANS	90	-	-	5	17	22	39	-	-	7	-	35.3
LICENSED PRACTICAL NURSES	47	-	-	-	5	13	22	-	-	7	-	37.3
ENGINEERING AND SCIENCE TECHNICIANS	77	-	-	30	19	16	12	-	-	-	-	27.2
ELECTRICAL AND ELECTRONIC TECHNICIANS	49	-	-	30	19	-	-	-	-	-	-	23.5
DRAFTING AND SURVEYING TECHNICIANS	-	-	-	-	-	-	-	-	-	-	-	-
TECHNICIANS, EXCEPT HEALTH, ENGINEERING, AND SCIENCE	118	-	-	25	48	13	32	-	-	-	-	28.5
AIRPLANE PILOTS AND NAVIGATORS	6	-	-	-	6	-	-	-	-	-	-	27.5
COMPUTER PROGRAMMERS	68	-	-	18	30	13	7	-	-	-	-	27.7
SALES OCCUPATIONS	529	105	69	150	76	34	34	28	25	-	8	22.7
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS	21	-	-	-	6	-	15	-	-	-	-	37.2
SELF-EMPLOYED	-	-	-	-	-	-	-	-	-	-	-	-
SALES REPRESENTATIVES, FINANCE AND BUSINESS SERVICES	92	3	-	27	32	15	8	7	-	-	-	27.5
SALES REPRESENTATIVES, COMMODITIES, EXCEPT RETAIL	12	-	-	-	6	-	6	-	-	-	-	32.0
SALES WORKERS, RETAIL AND PERSONAL SERVICES	404	102	69	123	32	19	5	21	25	-	8	21.0
CASHIERS	190	61	51	28	21	7	-	12	10	-	-	19.3
SALES RELATED OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 221. OCCUPATION OF EMPLOYED PERSONS BY AGE, SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

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MINNESOTA	TOTAL, 16 YEARS AND OVER	16 AND 17 YEARS	18 AND 19 YEARS	20 TO 24 YEARS	25 TO 29 YEARS	30 TO 34 YEARS	35 TO 44 YEARS	45 TO 54 YEARS	55 TO 59 YEARS	60 TO 64 YEARS	65 YEARS AND OVER	MEDIAN AGE
BLACK												
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL	2 949	96	147	727	563	435	555	272	87	51	16	29.5
SUPERVISORS, ADMINISTRATIVE SUPPORT OCCUPATIONS	69	-	-	12	6	12	20	19	-	-	-	36.6
COMPUTER EQUIPMENT OPERATORS	83	-	-	18	24	4	25	7	5	-	-	29.9
SECRETARIES, STENOGRAPHERS, AND TYPISTS	730	6	16	182	182	139	147	44	9	5	-	29.4
SECRETARIES	568	6	7	117	159	93	134	38	9	5	-	29.8
RECEPTIONISTS	124	8	4	34	-	16	32	20	-	5	5	35.0
FILE CLERKS	122	42	17	5	30	6	6	-	10	-	6	23.2
FINANCIAL RECORDS PROCESSING OCCUPATIONS	267	-	23	85	64	42	38	9	6	-	-	27.0
BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS	170	-	23	42	39	21	30	9	6	-	-	27.6
TELEPHONE OPERATORS	61	5	5	10	7	8	6	5	6	9	-	32.2
MAIL AND MESSAGE DISTRIBUTING OCCUPATIONS	106	7	12	39	-	8	9	20	5	6	-	24.5
TRAFFIC, SHIPPING, STOCK AND INVENTORY CLERKS	23	-	-	7	-	6	-	5	5	-	-	33.8
INSURANCE ADJUSTERS, EXAMINERS, AND INVESTIGATORS	52	-	-	8	17	7	-	20	-	-	-	30.7
BANK TELLERS	98	-	15	37	20	8	6	12	-	-	-	24.6
DATA-ENTRY KEYERS	184	-	1	75	44	18	40	6	-	-	-	26.8
OTHER ADMINISTRATIVE SUPPORT OCCUPATIONS	1 030	28	54	215	169	161	226	105	41	26	5	31.5
SERVICE OCCUPATIONS	1 695	123	91	257	265	214	252	228	82	126	57	32.6
PRIVATE HOUSEHOLD OCCUPATIONS	26	-	-	-	-	-	20	-	-	-	6	42.7
PROTECTIVE SERVICE OCCUPATIONS	46	-	-	7	7	16	16	-	-	-	-	32.8
FIREFIGHTING OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-
POLICE AND DETECTIVES, PUBLIC SERVICE	10	-	-	-	-	-	10	-	-	-	-	37.5
GUARDS	27	-	-	5	-	16	6	-	-	-	-	32.7
OTHER PROTECTIVE SERVICE OCCUPATIONS	9	-	-	2	7	-	-	-	-	-	-	26.8
SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD	1 623	123	91	250	258	198	216	228	82	126	51	32.3
FOOD PREPARATION AND SERVICE OCCUPATIONS	284	40	33	78	28	5	19	36	8	5	32	24.2
WAITERS AND FOOD COUNTER WORKERS	90	18	9	54	5	-	-	-	-	-	4	21.2
COOKS	47	-	7	-	8	5	6	7	-	-	14	37.9
HEALTH SERVICE OCCUPATIONS	565	56	20	78	109	85	89	57	21	39	11	31.1
NURSING AIDES, ORDERLIES, AND ATTENDANTS	508	24	10	78	109	85	89	52	21	29	11	31.9
CLEANING AND BUILDING SERVICE OCCUPATIONS EXC. HOUSEHOLD	372	-	33	21	62	27	62	89	34	44	-	39.2
PERSONAL SERVICE OCCUPATIONS	402	27	5	73	59	81	46	46	19	38	8	32.3
BARBERS, HAIRDRESSERS AND COSMETOLOGISTS	67	-	-	8	-	6	7	27	7	12	-	48.0
FARMING, FORESTRY, AND FISHING OCCUPATIONS	31	-	-	2	-	-	-	-	5	10	14	64.2
FARM OPERATORS AND MANAGERS	-	-	-	-	-	-	-	-	-	-	-	-
FARM OCCUPATIONS, EXCEPT MANAGERIAL	5	-	-	-	-	-	-	-	5	-	-	57.5
RELATED AGRICULTURAL OCCUPATIONS	24	-	-	-	-	-	-	-	-	10	14	65.7
FORESTRY AND FISHING OCCUPATIONS	2	-	-	2	-	-	-	-	-	-	-	23.5
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS	259	10	-	14	28	61	92	23	25	6	-	36.2
MECHANICS AND REPAIRERS	34	-	-	-	14	6	7	7	-	-	-	32.5
AUTOMOBILE MECHANICS, INCLUDING BODY	-	-	-	-	-	-	-	-	-	-	-	-
AIRCRAFT MECHANICS	-	-	-	-	-	-	-	-	-	-	-	-
HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS	-	-	-	-	-	-	-	-	-	-	-	-
OTHER MECHANICS AND REPAIRERS	34	-	-	-	14	6	7	7	-	-	-	32.5
CONSTRUCTION TRADES	24	10	-	-	-	9	5	-	-	-	-	31.1
CARPENTERS	19	10	-	-	-	9	-	-	-	-	-	17.9
ELECTRICIANS	-	-	-	-	-	-	-	-	-	-	-	-
PAINTERS, CONSTRUCTION AND MAINTENANCE	-	-	-	-	-	-	-	-	-	-	-	-
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	-	-	-	-	-	-	-	-	-	-	-	-
OTHER CONSTRUCTION TRADES	5	-	-	-	-	-	5	-	-	-	-	37.5
EXTRACTIVE OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-
PRECISION PRODUCTION OCCUPATIONS	201	-	-	14	14	46	80	16	25	6	-	37.3
SUPERVISORS, PRODUCTION OCCUPATIONS	58	-	-	6	-	15	16	9	6	6	-	37.5
MANUFACTURING	15	-	-	-	-	9	6	-	-	-	-	34.2
PRECISION METALWORKING OCCUPATIONS	42	-	-	-	8	18	10	-	6	-	-	33.6
TOOL AND DIE MAKERS	-	-	-	-	-	-	-	-	-	-	-	-
MACHINISTS	22	-	-	-	8	8	-	-	6	-	-	31.9
SHEET METAL WORKERS	-	-	-	-	-	-	-	-	-	-	-	-
OTHER PRECISION METAL WORKERS	20	-	-	-	-	10	10	-	-	-	-	35.0
PRECISION TEXTILE, APPAREL, AND FURNISHINGS MACHINE WORKERS	17	-	-	-	-	8	-	-	9	-	-	55.3
PLANT AND SYSTEM OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-
OTHER PRECISION PRODUCTION OCCUPATIONS	84	-	-	8	6	5	54	7	4	-	-	38.7

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MINNESOTA	TOTAL, 16 YEARS AND OVER	16 AND 17 YEARS	18 AND 19 YEARS	20 TO 24 YEARS	25 TO 29 YEARS	30 TO 34 YEARS	35 TO 44 YEARS	45 TO 54 YEARS	55 TO 59 YEARS	60 TO 64 YEARS	65 YEARS AND OVER	MEDIAN AGE
BLACK												
OPERATORS, FABRICATORS, AND LABORERS	1 139	19	59	113	222	194	203	246	33	35	15	34.0
MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS	914	19	59	66	184	149	172	194	33	29	9	34.3
MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION	348	7	24	11	62	73	66	72	10	14	9	34.8
METALWORKING AND PLASTIC WORKING MACHINE OPERATORS	36	7	-	-	6	5	7	11	-	-	-	37.0
PRINTING MACHINE OPERATORS	21	-	9	3	9	-	-	-	-	-	-	23.5
TEXTILE, APPAREL, AND FURNISHINGS MACHINE OPERATORS	123	-	7	8	33	7	18	17	10	14	9	39.1
TEXTILE MACHINE OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-
TEXTILE SEWING MACHINE OPERATORS	40	-	-	-	14	7	10	-	-	-	9	34.3
LAUNDERING AND DRYCLEANING MACHINE OPERATORS	57	-	7	8	19	-	8	11	4	-	-	28.6
OTHER SPECIFIED MACHINE OPERATORS	20	-	-	-	-	-	-	20	-	-	-	51.9
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS	148	-	8	-	14	61	41	24	-	-	-	34.3
OCCUPATION:												
MISCELLANEOUS MACHINE OPERATORS, N.E.C.	26	-	-	-	-	9	11	6	-	-	-	36.8
MACHINE OPERATORS, NOT SPECIFIED	122	-	8	-	14	52	30	18	-	-	-	33.8
INDUSTRY:												
MANUFACTURING	133	-	-	-	14	61	34	24	-	-	-	34.3
NONDURABLE GOODS	40	-	-	-	9	13	-	18	-	-	-	34.2
FOOD AND KINDRED PRODUCTS	6	-	-	-	-	-	-	6	-	-	-	47.5
TEXTILE MILL AND FINISHED TEXTILE PRODUCTS	5	-	-	-	-	-	-	5	-	-	-	52.5
PAPER AND ALLIED PRODUCTS	-	-	-	-	-	-	-	-	-	-	-	-
OTHER NONDURABLE GOODS	29	-	-	-	9	13	-	7	-	-	-	32.1
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG	93	-	-	-	5	48	34	6	-	-	-	34.3
METAL INDUSTRIES	9	-	-	-	-	9	-	-	-	-	-	32.5
MACHINERY, INCLUDING ELECTRICAL	46	-	-	-	5	30	11	-	-	-	-	33.0
TRANSPORTATION EQUIPMENT	-	-	-	-	-	-	-	-	-	-	-	-
OTHER DURABLE GOODS	38	-	-	-	-	9	23	6	-	-	-	41.2
NONMANUFACTURING INDUSTRIES	15	-	8	-	-	-	7	-	-	-	-	19.9
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	-	-	-	-	-	-	-	-	-	-	-	-
WHOLESALE AND RETAIL TRADE	-	-	-	-	-	-	-	-	-	-	-	-
ALL OTHER INDUSTRIES	15	-	8	-	-	-	7	-	-	-	-	19.9
FABRICATORS, ASSEMBLERS, AND HAND WORKING OCCUPATIONS	491	12	25	47	103	76	83	111	19	15	-	33.8
WELDERS AND CUTTERS	-	-	-	-	-	-	-	-	-	-	-	-
ASSEMBLERS	448	12	25	47	85	57	77	111	19	15	-	34.8
OTHER FABRICATORS AND HAND WORKING OCCUPATIONS	43	-	-	-	18	19	6	-	-	-	-	30.9
PRODUCTION INSPECTORS, TESTERS, SAMPLERS, AND WEIGHERS	75	-	10	8	19	-	23	11	4	-	-	35.4
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	49	-	-	6	19	16	8	-	-	-	-	29.9
MOTOR VEHICLE OPERATORS	19	-	-	6	5	-	8	-	-	-	-	28.5
TRUCK DRIVERS AND DRIVER-SALES WORKERS	6	-	-	6	-	-	-	-	-	-	-	23.5
BUS DRIVERS	13	-	-	-	5	-	8	-	-	-	-	35.9
RAIL AND WATER TRANSPORTATION OCCUPATIONS	2	-	-	-	-	2	-	-	-	-	-	32.5
MATERIAL MOVING EQUIPMENT OPERATORS	28	-	-	-	14	14	-	-	-	-	-	30.0
EXCAVATING, GRADING, AND DOZER MACHINE OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-
HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS	176	-	-	41	19	29	23	52	-	6	6	34.8
CONSTRUCTION LABORERS	7	-	-	-	-	-	-	7	-	-	-	52.5
FREIGHT, STOCK, AND MATERIAL HANDLERS	15	-	-	-	-	6	6	3	-	-	-	36.3
GARAGE AND SERVICE STATION RELATED OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-
HAND PACKERS AND PACKAGERS	53	-	-	27	7	-	-	13	-	-	6	24.8
OTHER SPECIFIED HANDLERS, EQUIPMENT CLEANERS, AND HELPERS	13	-	-	-	-	-	-	7	-	6	-	54.6
LABORERS, EXCEPT CONSTRUCTION	88	-	-	14	12	23	17	22	-	-	-	33.9
MANUFACTURING	55	-	-	-	-	23	17	15	-	-	-	37.8
NONDURABLE GOODS	26	-	-	-	-	17	9	-	-	-	-	33.8
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG.	29	-	-	-	-	6	8	15	-	-	-	50.2
METAL INDUSTRIES	15	-	-	-	-	-	-	15	-	-	-	52.5
NONMANUFACTURING INDUSTRIES	33	-	-	14	12	-	-	7	-	-	-	26.0
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	14	-	-	-	7	-	-	7	-	-	-	40.0
WHOLESALE AND RETAIL TRADE	-	-	-	-	-	-	-	-	-	-	-	-
ALL OTHER INDUSTRIES	19	-	-	14	5	-	-	-	-	-	-	23.1

TABLE 221. OCCUPATION OF EMPLOYED PERSONS BY AGE, 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]

MINNESOTA	TOTAL, 16 YEARS AND OVER	16 AND 17 YEARS	18 AND 19 YEARS	20 TO 24 YEARS	25 TO 29 YEARS	30 TO 34 YEARS	35 TO 44 YEARS	45 TO 54 YEARS	55 TO 59 YEARS	60 TO 64 YEARS	65 YEARS AND OVER	MEDIAN AGE
AMERICAN INDIAN, ESKIMO, ALEUT												
EMPLOYED MALES 16 YEARS AND OVER	5 182	205	374	911	711	818	1 039	658	271	107	88	32.4
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS	809	-	30	90	89	126	248	154	46	12	14	38.4
EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS	345	-	18	29	25	32	116	87	28	5	5	41.6
OFFICIALS AND ADMINISTRATORS, PUBLIC ADMINISTRATION	81	-	-	3	2	5	29	26	13	-	3	45.5
ADMINISTRATORS, EDUCATION AND RELATED FIELDS	7	-	-	-	2	-	5	-	-	-	-	40.6
MANAGERS, MEDICINE AND HEALTH	13	-	-	-	-	-	-	10	3	-	-	49.6
OTHER SPECIFIED MANAGERS	33	-	2	-	-	8	7	10	6	-	-	43.8
MANAGERS AND ADMINISTRATORS, N.E.C., SALARIED	129	-	9	14	14	11	58	23	-	-	-	38.9
MANUFACTURING	25	-	-	8	-	-	13	4	-	-	-	37.8
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	4	-	-	-	4	-	-	-	-	-	-	27.5
WHOLESALE AND RETAIL TRADE	27	-	-	5	1	-	20	1	-	-	-	41.9
ALL OTHER INDUSTRIES	73	-	9	1	9	11	25	18	-	-	-	37.5
MANAGERS AND ADMINISTRATORS, N.E.C., SELF-EMPLOYED	20	-	-	-	2	1	12	-	-	3	2	42.5
CONSTRUCTION	-	-	-	-	-	-	-	-	-	-	-	-
MANUFACTURING	3	-	-	-	2	1	-	-	-	-	-	28.8
WHOLESALE AND RETAIL TRADE	5	-	-	-	-	-	2	-	-	3	-	60.8
ALL OTHER INDUSTRIES	12	-	-	-	-	-	10	-	-	-	2	43.0
MANAGEMENT RELATED OCCUPATIONS	62	-	7	12	5	7	5	18	6	2	-	35.0
ACCOUNTANTS AND AUDITORS	-	-	-	-	-	-	-	-	-	-	-	-
BUYERS AND PURCHASING AGENTS	3	-	-	-	-	-	3	-	-	-	-	37.5
PROFESSIONAL SPECIALTY OCCUPATIONS	464	-	12	61	64	94	132	67	18	7	9	35.1
ENGINEERS, ARCHITECTS, AND SURVEYORS	50	-	-	9	12	4	19	6	-	-	-	35.0
ARCHITECTS	8	-	-	-	8	-	-	-	-	-	-	27.5
ENGINEERS	40	-	-	9	4	4	17	6	-	-	-	36.2
ELECTRICAL AND ELECTRONIC ENGINEERS	18	-	-	9	-	4	5	-	-	-	-	27.0
MECHANICAL ENGINEERS	12	-	-	-	-	-	6	6	-	-	-	42.0
OTHER ENGINEERS	10	-	-	-	4	-	6	-	-	-	-	37.5
SURVEYORS AND MAPPING SCIENTISTS	2	-	-	-	-	-	2	-	-	-	-	42.5
MATHEMATICAL AND COMPUTER SCIENTISTS	20	-	-	-	7	-	13	-	-	-	-	41.2
COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS	13	-	-	-	7	-	6	-	-	-	-	29.6
NATURAL SCIENTISTS	43	-	-	2	3	9	-	29	-	-	-	47.3
HEALTH DIAGNOSING OCCUPATIONS	18	-	-	-	3	7	8	-	-	-	-	34.3
PHYSICIANS	11	-	-	-	3	-	8	-	-	-	-	36.6
DENTISTS	7	-	-	-	-	7	-	-	-	-	-	32.5
OTHER HEALTH DIAGNOSING PRACTITIONERS	-	-	-	-	-	-	-	-	-	-	-	-
HEALTH ASSESSMENT AND TREATING OCCUPATIONS	12	-	-	-	-	4	8	-	-	-	-	40.0
REGISTERED NURSES	6	-	-	-	-	-	6	-	-	-	-	42.5
PHARMACISTS	-	-	-	-	-	-	-	-	-	-	-	-
THERAPISTS	6	-	-	-	-	4	2	-	-	-	-	33.8
TEACHERS, LIBRARIANS, AND COUNSELORS	181	-	12	31	7	39	50	22	11	2	7	35.3
TEACHERS, POSTSECONDARY	37	-	4	5	-	-	14	7	-	-	7	39.0
TEACHERS, ELEMENTARY AND PRE-KINDERGARTEN	65	-	-	14	4	25	15	7	-	-	-	32.9
TEACHERS, SECONDARY	30	-	-	10	3	-	6	3	6	2	-	40.0
SOCIAL SCIENTISTS AND URBAN PLANNERS	8	-	-	-	-	-	8	-	-	-	-	42.5
SOCIAL AND RECREATION WORKERS	73	-	-	11	21	15	14	5	7	-	-	31.5
RELIGIOUS WORKERS	5	-	-	-	-	-	-	5	-	-	-	49.2
LAWYERS AND JUDGES	7	-	-	-	-	5	2	-	-	-	-	33.5
WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES	47	-	-	8	11	11	10	-	-	5	2	32.0
TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS	697	27	30	97	94	187	123	69	61	9	-	32.7
TECHNICIANS AND RELATED SUPPORT OCCUPATIONS	100	-	-	9	23	14	29	22	3	-	-	40.4
HEALTH TECHNOLOGISTS AND TECHNICIANS	3	-	-	-	-	-	-	3	-	-	-	47.5
LICENSED PRACTICAL NURSES	-	-	-	-	-	-	-	-	-	-	-	-
ENGINEERING AND SCIENCE TECHNICIANS	50	-	-	7	13	14	16	-	-	-	-	31.8
ELECTRICAL AND ELECTRONIC TECHNICIANS	9	-	-	-	4	2	3	-	-	-	-	31.3
DRAFTING AND SURVEYING TECHNICIANS	12	-	-	3	3	2	4	-	-	-	-	30.0
TECHNICIANS, EXCEPT HEALTH, ENGINEERING, AND SCIENCE	47	-	-	2	10	-	13	19	3	-	-	44.4
AIRPLANE PILOTS AND NAVIGATORS	7	-	-	-	-	-	7	-	-	-	-	42.5
COMPUTER PROGRAMMERS	21	-	-	-	-	-	6	15	-	-	-	48.2
SALES OCCUPATIONS	186	9	16	21	18	67	9	31	9	6	-	32.2
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS	57	-	4	9	18	18	2	-	-	6	-	29.3
SELF-EMPLOYED	14	-	4	-	-	2	2	-	-	6	-	37.5
SALES REPRESENTATIVES, FINANCE AND BUSINESS SERVICES	17	-	-	2	-	8	-	7	-	-	-	34.1
SALES REPRESENTATIVES, COMMODITIES, EXCEPT RETAIL	21	-	-	-	-	14	-	7	-	-	-	33.8
SALES WORKERS, RETAIL AND PERSONAL SERVICES	91	9	12	10	-	27	7	17	9	-	-	32.7
CASHIERS	20	7	5	-	-	8	-	-	-	-	-	19.2
SALES RELATED OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 221. OCCUPATION OF EMPLOYED PERSONS BY AGE, SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

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MINNESOTA	TOTAL, 16 YEARS AND OVER	16 AND 17 YEARS	18 AND 19 YEARS	20 TO 24 YEARS	25 TO 29 YEARS	30 TO 34 YEARS	35 TO 44 YEARS	45 TO 54 YEARS	55 TO 59 YEARS	60 TO 64 YEARS	65 YEARS AND OVER	MEDIAN AGE
AMERICAN INDIAN, ESKIMO, ALEUT												
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL	411	18	14	67	53	106	85	16	49	3	-	32.5
SUPERVISORS, ADMINISTRATIVE SUPPORT OCCUPATIONS	27	-	-	-	5	2	20	-	-	-	-	38.2
COMPUTER EQUIPMENT OPERATORS	5	-	-	-	-	5	-	-	-	-	-	32.5
SECRETARIES, STENOGRAPHERS, AND TYPISTS	1	-	1	-	-	-	-	-	-	-	-	19.0
SECRETARIES	1	-	1	-	-	-	-	-	-	-	-	19.0
RECEPTIONISTS	-	-	-	-	-	-	-	-	-	-	-	-
FILE CLERKS	-	-	-	-	-	-	-	-	-	-	-	-
FINANCIAL RECORDS PROCESSING OCCUPATIONS	38	-	-	11	14	-	13	-	-	-	-	27.9
BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS	19	-	-	6	8	-	5	-	-	-	-	27.2
TELEPHONE OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-
MAIL AND MESSAGE DISTRIBUTING OCCUPATIONS	60	11	2	5	-	6	6	9	21	-	-	45.0
TRAFFIC, SHIPPING, STOCK AND INVENTORY CLERKS	121	-	3	18	6	40	23	5	23	3	-	34.2
INSURANCE ADJUSTERS, EXAMINERS, AND INVESTIGATORS	-	-	-	-	-	-	-	-	-	-	-	-
BANK TELLERS	-	-	-	-	-	-	-	-	-	-	-	-
DATA-ENTRY KEYERS	-	-	-	-	-	-	-	-	-	-	-	-
OTHER ADMINISTRATIVE SUPPORT OCCUPATIONS	159	7	8	33	28	53	23	2	5	-	-	30.3
SERVICE OCCUPATIONS	821	103	93	137	148	80	84	57	44	25	50	27.6
PRIVATE HOUSEHOLD OCCUPATIONS	8	-	-	-	-	-	-	-	-	-	8	67.5
PROTECTIVE SERVICE OCCUPATIONS	137	2	8	31	25	22	16	24	5	2	2	30.6
FIREFIGHTING OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-
POLICE AND DETECTIVES, PUBLIC SERVICE	20	-	-	-	-	13	7	-	-	-	-	33.8
GUARDS	93	2	8	31	22	3	7	11	5	2	2	26.3
OTHER PROTECTIVE SERVICE OCCUPATIONS	24	-	-	-	3	6	2	13	-	-	-	45.4
SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD	676	101	85	106	123	58	68	33	39	23	40	26.9
FOOD PREPARATION AND SERVICE OCCUPATIONS	164	65	2	31	22	9	12	13	-	-	10	22.2
WAITERS AND FOOD COUNTER WORKERS	2	-	2	-	-	-	-	-	-	-	-	19.0
COOKS	117	48	-	22	22	-	6	11	-	-	8	21.5
HEALTH SERVICE OCCUPATIONS	48	-	5	13	2	3	9	-	16	-	-	35.7
NURSING AIDES, ORDERLIES, AND ATTENDANTS	31	-	5	3	-	-	7	-	16	-	-	55.2
CLEANING AND BUILDING SERVICE OCCUPATIONS EXC. HOUSEHOLD	406	36	51	56	82	46	41	20	21	23	30	28.7
PERSONAL SERVICE OCCUPATIONS	58	-	27	6	17	-	6	-	2	-	-	23.0
BARBERS, HAIRDRESSERS AND COSMETOLOGISTS	8	-	-	-	2	-	6	-	-	-	-	36.7
FARMING, FORESTRY, AND FISHING OCCUPATIONS	194	10	23	26	25	29	47	15	12	6	1	32.2
FARM OPERATORS AND MANAGERS	12	-	-	-	4	-	4	1	2	-	1	40.0
FARM OCCUPATIONS, EXCEPT MANAGERIAL	40	10	-	15	4	5	2	2	2	-	-	23.5
RELATED AGRICULTURAL OCCUPATIONS	47	-	8	9	13	-	6	2	6	3	-	27.5
FORESTRY AND FISHING OCCUPATIONS	95	-	15	2	4	24	35	10	2	3	-	35.7
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS	997	18	61	200	151	129	234	122	53	20	9	32.7
MECHANICS AND REPAIRERS	284	6	2	57	33	48	97	30	11	-	-	34.6
AUTOMOBILE MECHANICS, INCLUDING BODY	90	5	2	10	14	16	32	4	7	-	-	34.4
AIRCRAFT MECHANICS	1	-	-	-	-	-	1	-	-	-	-	37.5
HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS	12	-	-	-	-	2	6	-	4	-	-	38.3
OTHER MECHANICS AND REPAIRERS	181	1	-	47	19	30	58	26	-	-	-	33.9
CONSTRUCTION TRADES	442	8	53	83	77	53	82	46	21	10	9	30.0
CARPENTERS	215	2	21	61	44	21	24	19	10	7	6	27.7
ELECTRICIANS	16	-	-	8	-	-	5	3	-	-	-	32.0
PAINTERS, CONSTRUCTION AND MAINTENANCE	38	6	10	8	-	-	-	2	6	3	3	20.8
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	47	-	2	4	22	-	9	7	3	-	-	29.0
OTHER CONSTRUCTION TRADES	126	-	20	2	11	32	44	15	2	-	-	34.7
EXTRACTIVE OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-
PRECISION PRODUCTION OCCUPATIONS	271	4	6	60	41	28	55	46	21	10	-	34.4
SUPERVISORS, PRODUCTION OCCUPATIONS	51	-	4	6	6	9	9	-	13	4	-	35.3
MANUFACTURING	22	-	4	-	-	5	-	-	9	4	-	56.1
PRECISION METALWORKING OCCUPATIONS	110	-	-	32	8	9	28	22	5	6	-	39.3
TOOL AND DIE MAKERS	6	-	-	-	-	-	6	-	-	-	-	42.5
MACHINISTS	83	-	-	29	6	9	17	22	-	-	-	33.6
SHEET METAL WORKERS	13	-	-	3	2	-	3	-	5	-	-	42.5
OTHER PRECISION METAL WORKERS	8	-	-	-	-	-	2	-	-	6	-	61.7
PRECISION TEXTILE, APPAREL, AND FURNISHINGS MACHINE WORKERS	7	-	-	-	2	-	-	5	-	-	-	46.5
PLANT AND SYSTEM OPERATORS	31	-	-	8	5	4	8	6	-	-	-	33.1
OTHER PRECISION PRODUCTION OCCUPATIONS	72	4	2	14	20	6	10	13	3	-	-	29.0

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MINNESOTA	TOTAL, 16 YEARS AND OVER	16 AND 17 YEARS	18 AND 19 YEARS	20 TO 24 YEARS	25 TO 29 YEARS	30 TO 34 YEARS	35 TO 44 YEARS	45 TO 54 YEARS	55 TO 59 YEARS	60 TO 64 YEARS	65 YEARS AND OVER	MEDIAN AGE
AMERICAN INDIAN, ESKIMO, ALEUT												
OPERATORS, FABRICATORS, AND LABORERS	1 664	47	137	361	204	267	303	241	55	35	14	31.6
MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS	599	16	30	137	91	86	94	81	39	19	6	31.5
MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION	373	16	12	67	73	34	75	46	28	19	3	32.7
METALWORKING AND PLASTIC WORKING MACHINE OPERATORS	54	-	5	6	20	4	19	-	-	-	-	29.0
PRINTING MACHINE OPERATORS	21	-	-	11	-	6	4	-	-	-	-	24.7
TEXTILE, APPAREL, AND FURNISHINGS MACHINE OPERATORS	10	-	-	-	-	2	-	-	8	-	-	56.9
TEXTILE MACHINE OPERATORS	8	-	-	-	-	-	-	-	8	-	-	57.5
TEXTILE SEWING MACHINE OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-
LAUNDERING AND DRYCLEANING MACHINE OPERATORS	2	-	-	-	-	2	-	-	-	-	-	32.5
OTHER SPECIFIED MACHINE OPERATORS	119	6	5	10	21	13	20	15	16	10	3	38.8
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS	169	10	2	40	32	9	32	31	4	9	-	30.3
OCCUPATION:												
MISCELLANEOUS MACHINE OPERATORS, N.E.C.	34	4	2	9	6	-	7	6	-	-	-	26.7
MACHINE OPERATORS, NOT SPECIFIED	135	6	-	31	26	9	25	25	4	9	-	32.5
INDUSTRY:												
MANUFACTURING	140	6	2	19	32	9	32	27	4	9	-	35.6
NONDURABLE GOODS	25	6	-	2	-	-	2	6	-	9	-	47.1
FOOD AND KINDRED PRODUCTS	-	-	-	-	-	-	-	-	-	-	-	-
TEXTILE MILL AND FINISHED TEXTILE PRODUCTS	-	-	-	-	-	-	-	-	-	-	-	-
PAPER AND ALLIED PRODUCTS	11	-	-	2	-	-	-	-	-	9	-	61.9
OTHER NONDURABLE GOODS	14	6	-	-	-	-	2	6	-	-	-	37.5
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG	115	-	2	17	32	9	30	21	4	-	-	33.6
METAL INDUSTRIES	19	-	2	2	-	-	3	12	-	-	-	46.0
MACHINERY, INCLUDING ELECTRICAL	46	-	-	10	6	-	21	5	4	-	-	40.0
TRANSPORTATION EQUIPMENT	26	-	-	2	13	7	-	4	-	-	-	29.2
OTHER DURABLE GOODS	24	-	-	3	13	2	6	-	-	-	-	28.5
NONMANUFACTURING INDUSTRIES	29	4	-	21	-	-	-	4	-	-	-	22.1
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	16	-	-	16	-	-	-	-	-	-	-	22.8
WHOLESALE AND RETAIL TRADE	6	4	-	-	-	-	-	2	-	-	-	17.5
ALL OTHER INDUSTRIES	7	-	-	5	-	-	-	2	-	-	-	21.4
FABRICATORS, ASSEMBLERS, AND HAND WORKING OCCUPATIONS	202	-	18	59	16	52	14	35	5	-	3	30.8
WELDERS AND CUTTERS	79	-	2	13	12	25	14	13	-	-	-	32.5
ASSEMBLERS	112	-	16	46	4	19	-	19	5	-	3	24.6
OTHER FABRICATORS AND HAND WORKING OCCUPATIONS	11	-	-	-	-	8	-	3	-	-	-	33.4
PRODUCTION INSPECTORS, TESTERS, SAMPLERS, AND WEIGHERS	24	-	-	11	2	-	5	-	6	-	-	27.5
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	500	3	21	71	45	112	133	88	14	8	5	34.9
MOTOR VEHICLE OPERATORS	399	-	12	65	43	76	107	70	14	7	5	35.2
TRUCK DRIVERS AND DRIVER-SALES WORKERS	275	-	12	41	26	41	98	45	6	1	5	36.2
BUS DRIVERS	49	-	-	5	11	6	5	14	8	-	-	42.5
RAIL AND WATER TRANSPORTATION OCCUPATIONS	30	3	7	-	-	16	3	-	-	1	-	31.6
MATERIAL MOVING EQUIPMENT OPERATORS	71	-	2	6	2	20	23	18	-	-	-	37.0
EXCAVATING, GRADING, AND DOZER MACHINE OPERATORS	8	-	-	-	-	3	2	3	-	-	-	42.5
HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS	565	28	86	153	68	69	76	72	2	8	3	26.1
CONSTRUCTION LABORERS	131	10	10	46	25	10	13	17	-	-	-	24.9
FREIGHT, STOCK, AND MATERIAL HANDLERS	114	9	26	17	11	18	16	17	-	-	-	27.3
GARAGE AND SERVICE STATION RELATED OCCUPATIONS	17	2	4	11	-	-	-	-	-	-	-	20.5
HAND PACKERS AND PACKAGERS	14	-	14	-	-	-	-	-	-	-	-	19.0
OTHER SPECIFIED HANDLERS, EQUIPMENT CLEANERS, AND HELPERS	56	-	2	28	13	7	6	-	-	-	-	24.6
LABORERS, EXCEPT CONSTRUCTION	233	7	30	51	19	34	41	38	2	8	3	31.4
MANUFACTURING	50	5	2	4	2	8	17	4	2	6	-	41.2
NONDURABLE GOODS	29	5	-	-	2	-	12	4	-	6	-	43.1
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG	21	-	2	4	-	8	5	-	2	-	-	32.8
METAL INDUSTRIES	-	-	-	-	-	-	-	-	-	-	-	-
NONMANUFACTURING INDUSTRIES	183	2	28	47	17	26	24	34	-	2	3	29.3
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	40	-	-	5	15	6	-	14	-	-	-	30.0
WHOLESALE AND RETAIL TRADE	27	-	1	2	-	13	6	5	-	-	-	34.0
ALL OTHER INDUSTRIES	116	2	27	40	2	7	18	15	-	2	3	24.0

TABLE 221. OCCUPATION OF EMPLOYED PERSONS BY AGE, SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

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MINNESOTA	TOTAL, 16 YEARS AND OVER	16 AND 17 YEARS	18 AND 19 YEARS	20 TO 24 YEARS	25 TO 29 YEARS	30 TO 34 YEARS	35 TO 44 YEARS	45 TO 54 YEARS	55 TO 59 YEARS	60 TO 64 YEARS	65 YEARS AND OVER	MEDIAN AGE
AMERICAN INDIAN, ESKIMO, ALEUT												
EMPLOYED FEMALES 16 YEARS AND OVER	4 758	173	291	810	709	588	1 102	669	175	140	101	33.4
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS	651	14	14	60	107	87	170	134	14	17	34	37.7
EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS	220	-	-	18	40	22	79	31	4	4	22	41.0
OFFICIALS AND ADMINISTRATORS, PUBLIC ADMINISTRATION	16	-	-	2	7	-	7	-	-	-	-	29.3
ADMINISTRATORS, EDUCATION AND RELATED FIELDS	4	-	-	-	2	-	2	-	-	-	-	32.0
MANAGERS, MEDICINE AND HEALTH	22	-	-	2	6	-	5	-	-	-	9	40.0
OTHER SPECIFIED MANAGERS	34	-	-	-	-	12	11	-	-	-	11	42.3
MANAGERS AND ADMINISTRATORS, N.E.C., SALARIED	78	-	-	2	23	3	40	10	-	-	-	40.0
MANUFACTURING	14	-	-	-	7	-	7	-	-	-	-	35.0
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	-	-	-	-	-	-	-	-	-	-	-	-
WHOLESALE AND RETAIL TRADE	31	-	-	-	12	3	16	-	-	-	-	40.2
ALL OTHER INDUSTRIES	33	-	-	2	4	-	17	10	-	-	-	39.8
MANAGERS AND ADMINISTRATORS, N.E.C., SELF-EMPLOYED	23	-	-	-	-	7	8	-	2	4	2	42.8
CONSTRUCTION	-	-	-	-	-	-	-	-	-	-	-	-
MANUFACTURING	-	-	-	-	-	-	-	-	-	-	-	-
WHOLESALE AND RETAIL TRADE	4	-	-	-	-	-	-	-	-	4	-	62.5
ALL OTHER INDUSTRIES	19	-	-	-	-	7	8	-	2	-	2	41.6
MANAGEMENT RELATED OCCUPATIONS	43	-	-	12	2	-	6	21	2	-	-	45.5
ACCOUNTANTS AND AUDITORS	17	-	-	6	-	-	-	11	-	-	-	46.6
BUYERS AND PURCHASING AGENTS	-	-	-	-	-	-	-	-	-	-	-	-
PROFESSIONAL SPECIALTY OCCUPATIONS	431	14	14	42	67	65	91	103	10	13	12	36.1
ENGINEERS, ARCHITECTS, AND SURVEYORS	-	-	-	-	-	-	-	-	-	-	-	-
ARCHITECTS	-	-	-	-	-	-	-	-	-	-	-	-
ENGINEERS	-	-	-	-	-	-	-	-	-	-	-	-
ELECTRICAL AND ELECTRONIC ENGINEERS	-	-	-	-	-	-	-	-	-	-	-	-
MECHANICAL ENGINEERS	-	-	-	-	-	-	-	-	-	-	-	-
OTHER ENGINEERS	-	-	-	-	-	-	-	-	-	-	-	-
SURVEYORS AND MAPPING SCIENTISTS	-	-	-	-	-	-	-	-	-	-	-	-
MATHEMATICAL AND COMPUTER SCIENTISTS	2	-	-	-	2	-	-	-	-	-	-	27.5
COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS	-	-	-	-	-	-	-	-	-	-	-	-
NATURAL SCIENTISTS	2	-	-	-	2	-	-	-	-	-	-	27.5
HEALTH DIAGNOSING OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-
PHYSICIANS	-	-	-	-	-	-	-	-	-	-	-	-
DENTISTS	-	-	-	-	-	-	-	-	-	-	-	-
OTHER HEALTH DIAGNOSING PRACTITIONERS	-	-	-	-	-	-	-	-	-	-	-	-
HEALTH ASSESSMENT AND TREATING OCCUPATIONS	50	-	-	8	2	5	25	2	7	-	1	37.8
REGISTERED NURSES	41	-	-	8	-	-	25	2	5	-	1	38.5
PHARMACISTS	2	-	-	-	2	-	-	-	-	-	-	27.5
THERAPISTS	7	-	-	-	-	5	-	-	2	-	-	33.5
TEACHERS, LIBRARIANS, AND COUNSELORS	261	10	14	25	39	48	45	62	-	13	5	34.4
TEACHERS, POSTSECONDARY	20	-	9	-	3	2	-	6	-	-	-	26.7
TEACHERS, ELEMENTARY AND PRE-KINDERGARTEN	139	8	3	22	5	25	23	37	-	13	3	37.0
TEACHERS, SECONDARY	42	2	2	3	19	6	8	-	-	-	2	28.7
SOCIAL SCIENTISTS AND URBAN PLANNERS	16	-	-	-	12	2	-	2	-	-	-	28.3
SOCIAL AND RECREATION WORKERS	81	-	-	6	10	10	15	37	3	-	-	44.6
RELIGIOUS WORKERS	7	-	-	1	-	-	-	-	-	-	6	67.1
LAWYERS AND JUDGES	4	-	-	-	-	-	4	-	-	-	-	37.5
WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES	8	4	-	2	-	-	2	-	-	-	-	20.0
TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS	1 731	52	121	381	339	237	367	159	47	18	10	29.6
TECHNICIANS AND RELATED SUPPORT OCCUPATIONS	120	-	-	28	19	27	30	12	-	4	-	32.4
HEALTH TECHNOLOGISTS AND TECHNICIANS	85	-	-	19	11	11	28	12	-	4	-	35.5
LICENSED PRACTICAL NURSES	59	-	-	15	6	9	17	8	-	4	-	34.7
ENGINEERING AND SCIENCE TECHNICIANS	-	-	-	-	-	-	-	-	-	-	-	-
ELECTRICAL AND ELECTRONIC TECHNICIANS	-	-	-	-	-	-	-	-	-	-	-	-
DRAFTING AND SURVEYING TECHNICIANS	-	-	-	-	-	-	-	-	-	-	-	-
TECHNICIANS, EXCEPT HEALTH, ENGINEERING, AND SCIENCE	35	-	-	9	8	16	2	-	-	-	-	30.2
AIRPLANE PILOTS AND NAVIGATORS	-	-	-	-	-	-	-	-	-	-	-	-
COMPUTER PROGRAMMERS	-	-	-	-	-	-	-	-	-	-	-	-
SALES OCCUPATIONS	245	33	29	28	13	15	62	50	12	3	-	35.6
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS	26	-	-	7	-	-	9	-	7	3	-	43.3
SELF-EMPLOYED	-	-	-	-	-	-	-	-	-	-	-	-
SALES REPRESENTATIVES, FINANCE AND BUSINESS SERVICES	6	-	-	4	-	-	-	2	-	-	-	21.5
SALES REPRESENTATIVES, COMMODITIES, EXCEPT RETAIL	2	-	-	-	2	-	-	-	-	-	-	27.5
SALES WORKERS, RETAIL AND PERSONAL SERVICES	211	33	29	17	11	15	53	48	5	-	-	35.1
CASHIERS	114	16	20	10	1	15	24	23	5	-	-	33.3
SALES RELATED OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-

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MINNESOTA	TOTAL, 16 YEARS AND OVER	16 AND 17 YEARS	18 AND 19 YEARS	20 TO 24 YEARS	25 TO 29 YEARS	30 TO 34 YEARS	35 TO 44 YEARS	45 TO 54 YEARS	55 TO 59 YEARS	60 TO 64 YEARS	65 YEARS AND OVER	MEDIAN AGE
AMERICAN INDIAN, ESKIMO, ALEUT												
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL	1 366	19	92	325	307	195	275	97	35	11	10	29.0
SUPERVISORS, ADMINISTRATIVE SUPPORT OCCUPATIONS	70	-	-	8	-	23	27	-	12	-	-	35.7
COMPUTER EQUIPMENT OPERATORS	5	-	-	-	5	-	-	-	-	-	-	27.5
SECRETARIES, STENOGRAPHERS, AND TYPISTS	484	4	28	115	141	64	103	22	2	5	-	28.4
SECRETARIES	371	4	14	82	105	56	92	16	2	-	-	29.1
RECEPTIONISTS	62	-	5	12	18	6	12	3	6	-	-	28.9
FILE CLERKS	15	-	3	-	-	-	-	5	7	-	-	49.5
FINANCIAL RECORDS PROCESSING OCCUPATIONS	198	-	3	55	40	31	45	14	-	-	10	30.2
BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS	160	-	3	44	37	31	33	2	-	-	10	29.5
TELEPHONE OPERATORS	7	-	-	-	-	-	7	-	-	-	-	37.5
MAIL AND MESSAGE DISTRIBUTING OCCUPATIONS	38	-	3	-	22	-	-	13	-	-	-	28.6
TRAFFIC, SHIPPING, STOCK AND INVENTORY CLERKS	30	-	3	9	-	6	12	-	-	-	-	32.5
INSURANCE ADJUSTERS, EXAMINERS, AND INVESTIGATORS	6	-	-	6	-	-	-	-	-	-	-	21.0
BANK TELLERS	15	-	6	7	-	-	2	-	-	-	-	22.6
DATA-ENTRY KEYERS	43	-	-	14	18	-	11	-	-	-	-	27.1
OTHER ADMINISTRATIVE SUPPORT OCCUPATIONS	393	15	41	99	63	65	56	40	8	6	-	28.3
SERVICE OCCUPATIONS	1 381	80	106	204	154	149	269	240	63	76	40	34.9
PRIVATE HOUSEHOLD OCCUPATIONS	60	11	-	-	9	1	5	2	-	15	17	60.7
PROTECTIVE SERVICE OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-
FIREFIGHTING OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-
POLICE AND DETECTIVES, PUBLIC SERVICE	-	-	-	-	-	-	-	-	-	-	-	-
GUARDS	-	-	-	-	-	-	-	-	-	-	-	-
OTHER PROTECTIVE SERVICE OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-
SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD	1 321	69	106	204	145	148	264	238	63	61	23	34.6
FOOD PREPARATION AND SERVICE OCCUPATIONS	514	43	66	62	40	31	134	82	23	15	18	36.5
WAITERS AND FOOD COUNTER WORKERS	233	30	39	40	30	11	60	19	2	-	2	26.3
COOKS	144	4	21	6	-	4	29	51	12	15	2	47.5
HEALTH SERVICE OCCUPATIONS	353	16	15	57	72	50	42	78	10	11	2	31.6
NURSING AIDES, ORDERLIES, AND ATTENDANTS	277	13	9	33	50	40	42	75	10	5	-	34.2
CLEANING AND BUILDING SERVICE OCCUPATIONS EXC. HOUSEHOLD	225	5	19	40	15	27	27	55	17	20	-	37.2
PERSONAL SERVICE OCCUPATIONS	229	5	6	45	18	40	61	23	13	15	3	35.2
BARBERS, HAIRDRESSERS AND COSMETOLOGISTS	40	-	-	11	3	19	7	-	-	-	-	31.6
FARMING, FORESTRY, AND FISHING	46	-	-	18	7	10	5	6	-	-	-	28.6
OCCUPATIONS	5	-	-	-	-	2	3	-	-	-	-	36.3
FARM OPERATORS AND MANAGERS	25	-	-	5	7	5	2	6	-	-	-	30.5
FARM OCCUPATIONS, EXCEPT MANAGERIAL	13	-	-	13	-	-	-	-	-	-	-	22.2
RELATED AGRICULTURAL OCCUPATIONS	3	-	-	-	-	3	-	-	-	-	-	32.5
FORESTRY AND FISHING OCCUPATIONS												
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS	132	-	-	18	10	10	43	21	18	10	2	42.2
MECHANICS AND REPAIRERS	14	-	-	-	5	2	-	7	-	-	-	42.0
AUTOMOBILE MECHANICS, INCLUDING BODY	-	-	-	-	-	-	-	-	-	-	-	-
AIRCRAFT MECHANICS	-	-	-	-	-	-	-	-	-	-	-	-
HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS	7	-	-	-	-	-	-	7	-	-	-	52.5
OTHER MECHANICS AND REPAIRERS	7	-	-	-	5	2	-	-	-	-	-	28.5
CONSTRUCTION TRADES	6	-	-	-	-	-	4	2	-	-	-	38.8
CARPENTERS	3	-	-	-	-	-	3	-	-	-	-	37.5
ELECTRICIANS	-	-	-	-	-	-	-	-	-	-	-	-
PAINTERS, CONSTRUCTION AND MAINTENANCE	2	-	-	-	-	-	-	2	-	-	-	52.5
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	-	-	-	-	-	-	-	-	-	-	-	-
OTHER CONSTRUCTION TRADES	1	-	-	-	-	-	1	-	-	-	-	37.5
EXTRACTIVE OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-
PRECISION PRODUCTION OCCUPATIONS	112	-	-	18	5	8	39	12	18	10	2	42.4
SUPERVISORS, PRODUCTION OCCUPATIONS	20	-	-	2	-	-	5	-	13	-	-	56.2
MANUFACTURING	8	-	-	2	-	-	-	-	6	-	-	56.7
PRECISION METALWORKING OCCUPATIONS	6	-	-	-	5	-	1	-	-	-	-	28.0
TOOL AND DIE MAKERS	-	-	-	-	-	-	-	-	-	-	-	-
MACHINISTS	5	-	-	-	5	-	-	-	-	-	-	27.5
SHEET METAL WORKERS	1	-	-	-	-	-	1	-	-	-	-	42.5
OTHER PRECISION METAL WORKERS	-	-	-	-	-	-	-	-	-	-	-	-
PRECISION TEXTILE, APPAREL, AND FURNISHINGS MACHINE WORKERS	47	-	-	3	-	8	13	8	3	10	2	44.7
PLANT AND SYSTEM OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-
OTHER PRECISION PRODUCTION OCCUPATIONS	39	-	-	13	-	-	20	4	2	-	-	41.3

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AMERICAN INDIAN, ESKIMO, ALEUT												
OPERATORS, FABRICATORS, AND LABORERS	817	27	50	129	92	95	248	109	33	19	15	35.6
MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS	635	23	27	113	76	63	179	93	33	14	14	35.7
MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION	343	23	11	55	37	30	90	54	15	14	14	36.5
METALWORKING AND PLASTIC WORKING MACHINE OPERATORS	46	-	-	2	-	9	15	12	-	-	8	42.9
PRINTING MACHINE OPERATORS	20	-	9	-	-	5	6	-	-	-	-	31.0
TEXTILE, APPAREL, AND FURNISHINGS MACHINE OPERATORS	133	11	-	12	15	12	26	26	11	14	6	42.0
TEXTILE MACHINE OPERATORS	5	-	-	-	-	2	-	-	-	-	3	65.8
TEXTILE SEWING MACHINE OPERATORS	61	-	-	6	5	10	13	10	-	14	3	43.2
LAUNDERING AND DRYCLEANING MACHINE OPERATORS	57	11	-	6	10	-	9	10	11	-	-	36.1
OTHER SPECIFIED MACHINE OPERATORS	41	12	2	2	12	-	7	2	4	-	-	26.9
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS	103	-	-	39	10	4	36	14	-	-	-	33.1
OCCUPATION:												
MISCELLANEOUS MACHINE OPERATORS, N.E.C.	21	-	-	4	-	-	3	14	-	-	-	47.5
MACHINE OPERATORS, NOT SPECIFIED	82	-	-	35	10	4	33	-	-	-	-	28.0
INDUSTRY:												
MANUFACTURING	80	-	-	19	10	4	33	14	-	-	-	36.6
NONDURABLE GOODS	35	-	-	17	2	-	2	14	-	-	-	26.3
FOOD AND KINDRED PRODUCTS	20	-	-	13	-	-	-	7	-	-	-	24.3
TEXTILE MILL AND FINISHED TEXTILE PRODUCTS	-	-	-	-	-	-	-	-	-	-	-	-
PAPER AND ALLIED PRODUCTS	4	-	-	-	2	-	2	-	-	-	-	32.0
OTHER NONDURABLE GOODS	11	-	-	4	-	-	-	7	-	-	-	46.1
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG	45	-	-	2	8	4	31	-	-	-	-	37.1
METAL INDUSTRIES	21	-	-	-	-	4	17	-	-	-	-	37.7
MACHINERY, INCLUDING ELECTRICAL	4	-	-	2	-	-	2	-	-	-	-	28.0
TRANSPORTATION EQUIPMENT	-	-	-	-	-	-	-	-	-	-	-	-
OTHER DURABLE GOODS	20	-	-	-	8	-	12	-	-	-	-	36.7
NONMANUFACTURING INDUSTRIES	23	-	-	20	-	-	3	-	-	-	-	21.1
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	-	-	-	-	-	-	-	-	-	-	-	-
WHOLESALE AND RETAIL TRADE	20	-	-	20	-	-	-	-	-	-	-	21.0
ALL OTHER INDUSTRIES	3	-	-	-	-	-	3	-	-	-	-	37.5
FABRICATORS, ASSEMBLERS, AND HAND WORKING OCCUPATIONS	233	-	12	33	32	32	78	28	18	-	-	35.8
WELDERS AND CUTTERS	2	-	-	-	-	-	2	-	-	-	-	42.5
ASSEMBLERS	231	-	12	33	32	32	76	28	18	-	-	35.7
OTHER FABRICATORS AND HAND WORKING OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-
PRODUCTION INSPECTORS, TESTERS, SAMPLERS, AND WEIGHERS	59	-	4	25	7	1	11	11	-	-	-	25.4
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	12	-	-	2	-	-	3	2	-	5	-	52.5
MOTOR VEHICLE OPERATORS	8	-	-	-	-	-	1	2	-	5	-	61.0
TRUCK DRIVERS AND DRIVER-SALES WORKERS	-	-	-	-	-	-	-	-	-	-	-	-
BUS DRIVERS	3	-	-	-	-	-	1	2	-	-	-	51.3
RAIL AND WATER TRANSPORTATION OCCUPATIONS	2	-	-	2	-	-	-	-	-	-	-	21.0
MATERIAL MOVING EQUIPMENT OPERATORS	2	-	-	-	-	-	2	-	-	-	-	42.5
EXCAVATING, GRADING, AND DOZER MACHINE OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-
HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS	170	4	23	14	16	32	66	14	-	-	1	34.4
CONSTRUCTION LABORERS	2	-	-	-	-	-	-	2	-	-	-	47.5
FREIGHT, STOCK, AND MATERIAL HANDLERS	17	-	-	2	8	-	7	-	-	-	-	29.1
GARAGE AND SERVICE STATION RELATED OCCUPATIONS	1	-	-	-	-	-	-	-	-	-	1	67.5
HAND PACKERS AND PACKAGERS	43	-	2	5	-	17	7	12	-	-	-	34.3
OTHER SPECIFIED HANDLERS, EQUIPMENT CLEANERS, AND HELPERS	19	-	4	6	2	7	-	-	-	-	-	24.3
LABORERS, EXCEPT CONSTRUCTION	88	4	17	1	6	8	52	-	-	-	-	37.4
MANUFACTURING	63	-	15	1	6	8	33	-	-	-	-	40.2
NONDURABLE GOODS	32	-	4	1	6	2	19	-	-	-	-	40.8
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG	31	-	11	-	-	6	14	-	-	-	-	33.8
METAL INDUSTRIES	-	-	-	-	-	-	-	-	-	-	-	-
NONMANUFACTURING INDUSTRIES	25	4	2	-	-	-	19	-	-	-	-	36.9
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	2	-	-	-	-	-	2	-	-	-	-	42.5
WHOLESALE AND RETAIL TRADE	6	-	-	-	-	-	6	-	-	-	-	37.5
ALL OTHER INDUSTRIES	17	4	2	-	-	-	11	-	-	-	-	36.1

TABLE 221. OCCUPATION OF EMPLOYED PERSONS BY AGE, 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]

MINNESOTA	TOTAL, 16 YEARS AND OVER	16 AND 17 YEARS	18 AND 19 YEARS	20 TO 24 YEARS	25 TO 29 YEARS	30 TO 34 YEARS	35 TO 44 YEARS	45 TO 54 YEARS	55 TO 59 YEARS	60 TO 64 YEARS	65 YEARS AND OVER	MEDIAN AGE
ASIAN AND PACIFIC ISLANDER												
EMPLOYED MALES 16 YEARS AND OVER	6 164	130	229	806	1 190	1 267	1 473	653	218	117	81	32.9
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS	2 303	-	7	118	389	559	770	299	93	33	35	35.9
EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS	677	-	-	38	134	113	220	94	34	17	27	37.2
OFFICIALS AND ADMINISTRATORS, PUBLIC ADMINISTRATION	-	-	-	-	-	-	-	-	-	-	-	-
ADMINISTRATORS, EDUCATION AND RELATED FIELDS	15	-	-	6	7	-	2	-	-	-	-	26.1
MANAGERS, MEDICINE AND HEALTH	11	-	-	-	-	-	11	-	-	-	-	37.5
OTHER SPECIFIED MANAGERS	48	-	-	-	12	6	16	14	-	-	-	40.0
MANAGERS AND ADMINISTRATORS, N.E.C., SALARIED	331	-	-	21	57	60	116	32	14	6	25	37.3
MANUFACTURING	98	-	-	6	5	17	58	12	-	-	-	39.4
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	9	-	-	-	-	2	-	7	-	-	-	51.8
WHOLESALE AND RETAIL TRADE	106	-	-	8	22	20	32	13	-	-	11	36.0
ALL OTHER INDUSTRIES	118	-	-	7	30	21	26	-	14	6	14	35.2
MANAGERS AND ADMINISTRATORS, N.E.C., SELF-EMPLOYED	31	-	-	-	5	-	-	13	-	11	2	49.0
CONSTRUCTION	-	-	-	-	-	-	-	-	-	-	-	-
MANUFACTURING	5	-	-	-	-	-	-	-	-	5	-	62.5
WHOLESALE AND RETAIL TRADE	26	-	-	-	5	-	-	13	-	6	2	48.1
ALL OTHER INDUSTRIES	-	-	-	-	-	-	-	-	-	-	-	-
MANAGEMENT RELATED OCCUPATIONS	241	-	-	11	53	47	75	35	20	-	-	36.0
ACCOUNTANTS AND AUDITORS	183	-	-	11	35	41	60	16	20	-	-	35.7
BUYERS AND PURCHASING AGENTS	6	-	-	-	-	-	-	6	-	-	-	47.5
PROFESSIONAL SPECIALTY OCCUPATIONS	1 626	-	7	80	255	446	550	205	59	16	8	35.4
ENGINEERS, ARCHITECTS, AND SURVEYORS	461	-	-	2	79	145	185	50	-	-	-	35.2
ARCHITECTS	11	-	-	-	6	-	5	-	-	-	-	29.6
ENGINEERS	450	-	-	2	73	145	180	50	-	-	-	35.2
ELECTRICAL AND ELECTRONIC ENGINEERS	131	-	-	-	25	34	59	13	-	-	-	35.7
MECHANICAL ENGINEERS	87	-	-	-	35	29	23	-	-	-	-	31.5
OTHER ENGINEERS	232	-	-	2	13	82	98	37	-	-	-	36.4
SURVEYORS AND MAPPING SCIENTISTS	-	-	-	-	-	-	-	-	-	-	-	-
MATHEMATICAL AND COMPUTER SCIENTISTS	118	-	-	-	11	61	39	7	-	-	-	33.9
COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS	83	-	-	-	11	45	27	-	-	-	-	33.4
NATURAL SCIENTISTS	95	-	-	-	5	28	47	-	15	-	-	36.5
HEALTH DIAGNOSING OCCUPATIONS	286	-	-	10	26	65	119	55	6	5	-	40.4
PHYSICIANS	262	-	-	10	26	63	112	49	2	-	-	39.8
DENTISTS	24	-	-	-	-	2	7	6	4	5	-	47.5
OTHER HEALTH DIAGNOSING PRACTITIONERS	-	-	-	-	-	-	-	-	-	-	-	-
HEALTH ASSESSMENT AND TREATING OCCUPATIONS	7	-	-	-	1	-	-	6	-	-	-	52.1
REGISTERED NURSES	7	-	-	-	1	-	-	6	-	-	-	52.1
PHARMACISTS	-	-	-	-	-	-	-	-	-	-	-	-
THERAPISTS	-	-	-	-	-	-	-	-	-	-	-	-
TEACHERS, LIBRARIANS, AND COUNSELORS	380	-	7	35	89	81	73	55	29	11	-	33.6
TEACHERS, POSTSECONDARY	298	-	7	29	70	66	53	48	19	6	-	33.3
TEACHERS, ELEMENTARY AND PRE-KINDERGARTEN	38	-	-	-	11	6	9	7	-	5	-	41.1
TEACHERS, SECONDARY	14	-	-	-	5	4	-	-	5	-	-	32.5
SOCIAL SCIENTISTS AND URBAN PLANNERS	27	-	-	-	-	9	18	-	-	-	-	36.9
SOCIAL AND RECREATION WORKERS	69	-	-	2	12	8	36	11	-	-	-	38.0
RELIGIOUS WORKERS	45	-	-	-	-	-	12	21	4	-	8	52.5
LAWYERS AND JUDGES	10	-	-	5	-	5	-	-	-	-	-	27.0
WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES	128	-	-	26	32	44	21	-	5	-	-	30.7
TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS	1 454	23	75	212	344	300	273	133	38	43	13	31.2
TECHNICIANS AND RELATED SUPPORT OCCUPATIONS	621	-	-	69	151	190	143	46	14	8	-	32.4
HEALTH TECHNOLOGISTS AND TECHNICIANS	69	-	-	13	21	16	19	-	-	-	-	30.2
LICENSED PRACTICAL NURSES	-	-	-	-	-	-	-	-	-	-	-	-
ENGINEERING AND SCIENCE TECHNICIANS	150	-	-	23	29	55	22	13	-	8	-	32.1
ELECTRICAL AND ELECTRONIC TECHNICIANS	75	-	-	-	11	42	16	6	-	-	-	33.2
DRAFTING AND SURVEYING TECHNICIANS	21	-	-	-	7	7	-	7	-	-	-	32.5
TECHNICIANS, EXCEPT HEALTH, ENGINEERING, AND SCIENCE	402	-	-	33	101	119	102	33	14	-	-	32.8
AIRPLANE PILOTS AND NAVIGATORS	-	-	-	-	-	-	-	-	-	-	-	-
COMPUTER PROGRAMMERS	209	-	-	26	61	44	68	10	-	-	-	32.0
SALES OCCUPATIONS	307	14	20	58	76	52	25	39	4	17	2	29.0
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS	21	2	-	-	-	2	5	12	-	-	-	50.6
SELF-EMPLOYED	2	-	-	-	-	2	-	-	-	-	-	32.5
SALES REPRESENTATIVES, FINANCE AND BUSINESS SERVICES	58	-	-	10	4	7	20	7	4	6	-	40.4
SALES REPRESENTATIVES, COMMODITIES, EXCEPT RETAIL	72	-	-	5	39	20	-	8	-	-	-	29.0
SALES WORKERS, RETAIL AND PERSONAL SERVICES	156	12	20	43	33	23	-	12	-	11	2	25.5
CASHIERS	17	6	-	-	6	5	-	-	-	-	-	27.1
SALES RELATED OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 221. OCCUPATION OF EMPLOYED PERSONS BY AGE, SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

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MINNESOTA	TOTAL, 16 YEARS AND OVER	16 AND 17 YEARS	18 AND 19 YEARS	20 TO 24 YEARS	25 TO 29 YEARS	30 TO 34 YEARS	35 TO 44 YEARS	45 TO 54 YEARS	55 TO 59 YEARS	60 TO 64 YEARS	65 YEARS AND OVER	MEDIAN AGE
ASIAN AND PACIFIC ISLANDER												
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL	526	9	55	85	117	58	105	48	20	18	11	29.9
SUPERVISORS, ADMINISTRATIVE SUPPORT OCCUPATIONS	36	-	-	-	14	-	22	-	-	-	-	37.9
COMPUTER EQUIPMENT OPERATORS	84	-	14	9	12	25	24	-	-	-	-	31.4
SECRETARIES, STENOGRAPHERS, AND TYPISTS	6	-	-	-	-	-	-	-	6	-	-	57.5
SECRETARIES	6	-	-	-	-	-	-	-	6	-	-	57.5
RECEPTIONISTS	7	-	-	-	7	-	-	-	-	-	-	27.5
FILE CLERKS	13	-	-	-	4	-	4	-	-	5	-	43.1
FINANCIAL RECORDS PROCESSING OCCUPATIONS	54	9	-	-	5	6	-	21	-	13	-	48.9
BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS	54	9	-	-	5	6	-	21	-	13	-	48.9
TELEPHONE OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-
MAIL AND MESSAGE DISTRIBUTING OCCUPATIONS	42	-	-	-	14	-	14	8	6	-	-	42.5
TRAFFIC, SHIPPING, STOCK AND INVENTORY CLERKS	109	-	2	41	14	12	27	-	8	-	5	29.1
INSURANCE ADJUSTERS, EXAMINERS, AND INVESTIGATORS	-	-	-	-	-	-	-	-	-	-	-	-
BANK TELLERS	5	-	-	-	-	5	-	-	-	-	-	32.5
DATA-ENTRY KEYERS	24	-	13	7	4	-	-	-	-	-	-	19.8
OTHER ADMINISTRATIVE SUPPORT OCCUPATIONS	146	-	26	28	43	10	14	19	-	-	6	27.2
SERVICE OCCUPATIONS	936	93	94	209	141	132	128	63	33	16	27	27.6
PRIVATE HOUSEHOLD OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-
PROTECTIVE SERVICE OCCUPATIONS	34	-	6	6	2	7	7	6	-	-	-	32.1
FIREFIGHTING OCCUPATIONS	6	-	-	-	-	-	-	6	-	-	-	47.5
POLICE AND DETECTIVES, PUBLIC SERVICE	15	-	6	-	2	-	7	-	-	-	-	28.8
GUARDS	13	-	-	6	-	7	-	-	-	-	-	30.4
OTHER PROTECTIVE SERVICE OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-
SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD	902	93	88	203	139	125	121	57	33	16	27	27.4
FOOD PREPARATION AND SERVICE OCCUPATIONS	566	77	48	117	108	33	73	45	27	11	27	26.9
WAITERS AND FOOD COUNTER WORKERS	32	-	-	11	11	-	-	-	-	-	10	27.3
COOKS	276	29	17	23	71	19	56	25	14	11	11	29.9
HEALTH SERVICE OCCUPATIONS	51	3	5	23	-	11	9	-	-	-	-	24.0
NURSING AIDES, ORDERLIES, AND ATTENDANTS	32	-	5	7	-	11	9	-	-	-	-	31.8
CLEANING AND BUILDING SERVICE OCCUPATIONS EXC. HOUSEHOLD	251	13	28	60	21	70	36	12	6	5	-	30.2
PERSONAL SERVICE OCCUPATIONS	34	-	7	3	10	11	3	-	-	-	-	28.5
BARBERS, HAIRDRESSERS AND COSMETOLOGISTS	3	-	-	-	-	-	3	-	-	-	-	37.5
FARMING, FORESTRY, AND FISHING OCCUPATIONS	50	-	-	3	-	16	10	11	2	2	6	42.5
FARM OPERATORS AND MANAGERS	38	-	-	-	-	13	8	11	2	2	2	43.8
FARM OCCUPATIONS, EXCEPT MANAGERIAL	12	-	-	3	-	3	2	-	-	-	4	35.0
RELATED AGRICULTURAL OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-
FORESTRY AND FISHING OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS	475	14	16	51	112	97	103	50	30	2	-	32.3
MECHANICS AND REPAIRERS	165	7	-	20	41	39	18	23	16	1	-	31.9
AUTOMOBILE MECHANICS, INCLUDING BODY	60	-	-	-	13	19	6	13	9	-	-	34.5
AIRCRAFT MECHANICS	16	-	-	-	10	-	6	-	-	-	-	29.0
HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS	-	-	-	-	-	-	-	-	-	-	-	-
OTHER MECHANICS AND REPAIRERS	89	7	-	20	18	20	6	10	7	1	-	29.9
CONSTRUCTION TRADES	72	7	-	14	19	11	20	-	-	1	-	28.9
CARPENTERS	15	-	-	10	3	-	2	-	-	-	-	21.9
ELECTRICIANS	15	7	-	-	-	-	7	-	-	1	-	40.4
PAINTERS, CONSTRUCTION AND MAINTENANCE	15	-	-	-	-	11	4	-	-	-	-	33.4
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	-	-	-	-	-	-	-	-	-	-	-	-
OTHER CONSTRUCTION TRADES	27	-	-	4	16	-	7	-	-	-	-	28.0
EXTRACTIVE OCCUPATIONS	17	-	-	-	17	-	-	-	-	-	-	27.5
PRECISION PRODUCTION OCCUPATIONS	221	-	16	17	35	47	65	27	14	-	-	34.5
SUPERVISORS, PRODUCTION OCCUPATIONS	78	-	-	2	13	16	28	19	-	-	-	37.0
MANUFACTURING	63	-	-	-	8	16	20	19	-	-	-	36.9
PRECISION METALWORKING OCCUPATIONS	51	-	-	-	15	17	6	8	5	-	-	33.1
TOOL AND DIE MAKERS	1	-	-	-	-	1	-	-	-	-	-	32.5
MACHINISTS	36	-	-	-	15	11	2	8	-	-	-	31.4
SHEET METAL WORKERS	5	-	-	-	-	-	-	-	5	-	-	57.5
OTHER PRECISION METAL WORKERS	9	-	-	-	-	5	4	-	-	-	-	34.5
PRECISION TEXTILE, APPAREL, AND FURNISHINGS MACHINE WORKERS	6	-	-	-	-	-	6	-	-	-	-	42.5
PLANT AND SYSTEM OPERATORS	2	-	-	-	-	-	2	-	-	-	-	37.5
OTHER PRECISION PRODUCTION OCCUPATIONS	84	-	16	15	7	14	23	-	9	-	-	31.4

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ASIAN AND PACIFIC ISLANDER												
OPERATORS, FABRICATORS, AND LABORERS	946	-	37	213	204	163	189	97	22	21	-	30.6
MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS	723	-	11	159	148	152	161	62	16	14	-	31.4
MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION	414	-	7	56	81	100	108	47	9	6	-	33.1
METALWORKING AND PLASTIC WORKING MACHINE OPERATORS	109	-	-	14	21	14	49	11	-	-	-	36.4
PRINTING MACHINE OPERATORS	14	-	-	-	-	14	-	-	-	-	-	32.5
TEXTILE, APPAREL, AND FURNISHINGS MACHINE OPERATORS	26	-	-	6	6	3	-	-	5	6	-	31.7
TEXTILE MACHINE OPERATORS	12	-	-	6	-	-	-	-	-	6	-	41.0
TEXTILE SEWING MACHINE OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-
LAUNDERING AND DRYCLEANING MACHINE OPERATORS	9	-	-	-	6	3	-	-	-	-	-	28.8
OTHER SPECIFIED MACHINE OPERATORS	78	-	-	23	13	11	27	4	-	-	-	31.4
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS	187	-	7	13	41	58	32	32	4	-	-	32.8
OCCUPATION:												
MISCELLANEOUS MACHINE OPERATORS, N.E.C.	31	-	-	-	-	31	-	-	-	-	-	32.5
MACHINE OPERATORS, NOT SPECIFIED	156	-	7	13	41	27	32	32	4	-	-	33.1
INDUSTRY:												
MANUFACTURING	162	-	7	6	36	53	24	32	4	-	-	33.0
NONDURABLE GOODS	51	-	-	-	6	8	12	25	-	-	-	44.6
FOOD AND KINDRED PRODUCTS	-	-	-	-	-	-	-	-	-	-	-	-
TEXTILE MILL AND FINISHED TEXTILE PRODUCTS	21	-	-	-	-	-	-	21	-	-	-	51.5
PAPER AND ALLIED PRODUCTS	14	-	-	-	6	8	-	-	-	-	-	30.6
OTHER NONDURABLE GOODS	16	-	-	-	-	-	12	4	-	-	-	42.1
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG	111	-	7	6	30	45	12	7	4	-	-	31.4
METAL INDUSTRIES	22	-	-	-	-	11	-	7	4	-	-	40.0
MACHINERY, INCLUDING ELECTRICAL	71	-	7	6	16	30	12	-	-	-	-	31.1
TRANSPORTATION EQUIPMENT	9	-	-	-	5	4	-	-	-	-	-	29.5
OTHER DURABLE GOODS	9	-	-	-	9	-	-	-	-	-	-	27.5
NONMANUFACTURING INDUSTRIES	25	-	-	7	5	5	8	-	-	-	-	30.5
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	-	-	-	-	-	-	-	-	-	-	-	-
WHOLESALE AND RETAIL TRADE	17	-	-	7	5	5	-	-	-	-	-	26.5
ALL OTHER INDUSTRIES	8	-	-	-	-	-	8	-	-	-	-	42.5
FABRICATORS, ASSEMBLERS, AND HAND WORKING OCCUPATIONS	269	-	4	91	54	52	41	12	7	8	-	28.7
WELDERS AND CUTTERS	49	-	-	19	13	14	3	-	-	-	-	27.1
ASSEMBLERS	212	-	4	72	41	31	38	11	7	8	-	28.7
OTHER FABRICATORS AND HAND WORKING OCCUPATIONS	8	-	-	-	-	7	-	1	-	-	-	32.9
PRODUCTION INSPECTORS, TESTERS, SAMPLERS, AND WEIGHERS	40	-	-	12	13	-	12	3	-	-	-	28.1
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	72	-	4	16	17	6	5	18	6	-	-	29.7
MOTOR VEHICLE OPERATORS	44	-	4	16	10	-	-	8	6	-	-	26.0
TRUCK DRIVERS AND DRIVER-SALES WORKERS	19	-	4	7	-	-	-	2	6	-	-	22.8
BUS DRIVERS	10	-	-	4	-	-	-	6	-	-	-	50.8
RAIL AND WATER TRANSPORTATION OCCUPATIONS	10	-	-	-	-	-	-	10	-	-	-	50.0
MATERIAL MOVING EQUIPMENT OPERATORS	18	-	-	-	7	6	5	-	-	-	-	31.7
EXCAVATING, GRADING, AND DOZER MACHINE OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-
HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS	151	-	22	38	39	5	23	17	-	7	-	27.0
CONSTRUCTION LABORERS	13	-	6	4	-	-	-	3	-	-	-	20.3
FREIGHT, STOCK, AND MATERIAL HANDLERS	30	-	10	-	10	5	2	3	-	-	-	27.5
GARAGE AND SERVICE STATION RELATED OCCUPATIONS	7	-	-	7	-	-	-	-	-	-	-	21.0
HAND PACKERS AND PACKAGERS	29	-	-	8	6	-	4	11	-	-	-	40.6
OTHER SPECIFIED HANDLERS, EQUIPMENT CLEANERS, AND HELPERS	34	-	-	13	14	-	7	-	-	-	-	26.4
LABORERS, EXCEPT CONSTRUCTION	38	-	6	6	9	-	10	-	-	7	-	28.9
MANUFACTURING	10	-	-	6	-	-	4	-	-	-	-	21.7
NONDURABLE GOODS	10	-	-	6	-	-	4	-	-	-	-	21.7
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG.	-	-	-	-	-	-	-	-	-	-	-	-
METAL INDUSTRIES	-	-	-	-	-	-	-	-	-	-	-	-
NONMANUFACTURING INDUSTRIES	28	-	6	-	9	-	6	-	-	7	-	29.4
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	9	-	-	-	9	-	-	-	-	-	-	27.5
WHOLESALE AND RETAIL TRADE	13	-	6	-	-	-	-	-	-	7	-	60.4
ALL OTHER INDUSTRIES	6	-	-	-	-	-	6	-	-	-	-	37.5

TABLE 221. OCCUPATION OF EMPLOYED PERSONS BY AGE, 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]

MINNESOTA	TOTAL, 16 YEARS AND OVER	16 AND 17 YEARS	18 AND 19 YEARS	20 TO 24 YEARS	25 TO 29 YEARS	30 TO 34 YEARS	35 TO 44 YEARS	45 TO 54 YEARS	55 TO 59 YEARS	60 TO 64 YEARS	65 YEARS AND OVER	MEDIAN AGE
ASIAN AND PACIFIC ISLANDER												
EMPLOYED FEMALES 16 YEARS AND OVER	5 108	180	193	677	1 001	907	1 209	602	197	111	31	32.8
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS	1 238	-	32	80	190	268	399	175	49	39	6	36.4
EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS	355	-	5	31	45	97	102	50	7	18	-	35.0
OFFICIALS AND ADMINISTRATORS, PUBLIC ADMINISTRATION	-	-	-	-	-	-	-	-	-	-	-	-
ADMINISTRATORS, EDUCATION AND RELATED FIELDS	35	-	-	-	-	7	21	7	-	-	-	37.5
MANAGERS, MEDICINE AND HEALTH	-	-	-	-	-	-	-	-	-	-	-	-
OTHER SPECIFIED MANAGERS	47	-	-	-	-	19	14	8	-	6	-	37.2
MANAGERS AND ADMINISTRATORS, N.E.C., SALARIED	133	-	5	22	9	19	37	22	7	12	-	37.7
MANUFACTURING	14	-	-	-	-	-	-	-	7	7	-	60.0
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	-	-	-	-	-	-	-	-	-	-	-	-
WHOLESALE AND RETAIL TRADE	69	-	5	22	2	7	23	10	-	-	-	33.9
ALL OTHER INDUSTRIES	50	-	-	-	7	12	14	12	-	5	-	37.1
MANAGERS AND ADMINISTRATORS, N.E.C., SELF-EMPLOYED	25	-	-	-	-	18	5	2	-	-	-	33.5
CONSTRUCTION	-	-	-	-	-	-	-	-	-	-	-	-
MANUFACTURING	-	-	-	-	-	-	-	-	-	-	-	-
WHOLESALE AND RETAIL TRADE	7	-	-	-	-	-	5	2	-	-	-	43.5
ALL OTHER INDUSTRIES	18	-	-	-	-	18	-	-	-	-	-	32.5
MANAGEMENT RELATED OCCUPATIONS	115	-	-	9	36	34	25	11	-	-	-	31.8
ACCOUNTANTS AND AUDITORS	66	-	-	6	18	14	17	11	-	-	-	33.2
BUYERS AND PURCHASING AGENTS	6	-	-	-	-	6	-	-	-	-	-	32.5
PROFESSIONAL SPECIALTY OCCUPATIONS	883	-	27	49	145	171	297	125	42	21	6	37.0
ENGINEERS, ARCHITECTS, AND SURVEYORS	45	-	-	10	28	-	7	-	-	-	-	27.2
ARCHITECTS	-	-	-	-	-	-	-	-	-	-	-	-
ENGINEERS	45	-	-	10	28	-	7	-	-	-	-	27.2
ELECTRICAL AND ELECTRONIC ENGINEERS	-	-	-	-	-	-	-	-	-	-	-	-
MECHANICAL ENGINEERS	10	-	-	10	-	-	-	-	-	-	-	23.5
OTHER ENGINEERS	35	-	-	-	28	-	7	-	-	-	-	28.1
SURVEYORS AND MAPPING SCIENTISTS	-	-	-	-	-	-	-	-	-	-	-	-
MATHEMATICAL AND COMPUTER SCIENTISTS	31	-	-	10	-	17	-	4	-	-	-	31.6
COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS	17	-	-	-	-	17	-	-	-	-	-	32.5
NATURAL SCIENTISTS	26	-	-	-	14	-	12	-	-	-	-	29.6
HEALTH DIAGNOSING OCCUPATIONS	113	-	-	-	11	51	33	12	6	-	-	34.5
PHYSICIANS	113	-	-	-	11	51	33	12	6	-	-	34.5
DENTISTS	-	-	-	-	-	-	-	-	-	-	-	-
OTHER HEALTH DIAGNOSING PRACTITIONERS	-	-	-	-	-	-	-	-	-	-	-	-
HEALTH ASSESSMENT AND TREATING OCCUPATIONS	206	-	-	-	13	34	91	41	16	11	-	41.4
REGISTERED NURSES	192	-	-	-	13	32	84	41	11	11	-	41.0
PHARMACISTS	-	-	-	-	-	-	-	-	-	-	-	-
THERAPISTS	5	-	-	-	-	-	-	-	5	-	-	57.5
TEACHERS, LIBRARIANS, AND COUNSELORS	261	-	15	7	44	31	95	48	13	8	-	39.5
TEACHERS, POSTSECONDARY	59	-	6	7	6	9	19	5	7	-	-	36.1
TEACHERS, ELEMENTARY AND PRE-KINDERGARTEN	158	-	-	-	26	20	57	43	4	8	-	40.9
TEACHERS, SECONDARY	18	-	2	-	5	2	7	-	2	-	-	35.0
SOCIAL SCIENTISTS AND URBAN PLANNERS	18	-	-	-	7	-	6	-	5	-	-	41.7
SOCIAL AND RECREATION WORKERS	57	-	-	-	2	13	34	6	-	2	-	40.5
RELIGIOUS WORKERS	-	-	-	-	-	-	-	-	-	-	-	-
LAWYERS AND JUDGES	-	-	-	-	-	-	-	-	-	-	-	-
WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES	126	-	12	22	26	25	19	14	2	-	6	30.6
TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS	1 606	61	75	286	375	253	311	149	53	40	3	30.1
TECHNICIANS AND RELATED SUPPORT OCCUPATIONS	307	8	8	39	93	67	52	26	14	-	-	30.4
HEALTH TECHNOLOGISTS AND TECHNICIANS	108	-	8	13	30	22	18	8	9	-	-	30.7
LICENSED PRACTICAL NURSES	7	-	-	3	4	-	-	-	-	-	-	25.6
ENGINEERING AND SCIENCE TECHNICIANS	74	8	-	12	13	20	9	7	5	-	-	31.0
ELECTRICAL AND ELECTRONIC TECHNICIANS	10	-	-	-	2	2	6	-	-	-	-	35.8
DRAFTING AND SURVEYING TECHNICIANS	5	-	-	-	-	5	-	-	-	-	-	32.5
TECHNICIANS, EXCEPT HEALTH, ENGINEERING, AND SCIENCE	125	-	-	14	50	25	25	11	-	-	-	29.8
AIRPLANE PILOTS AND NAVIGATORS	-	-	-	-	-	-	-	-	-	-	-	-
COMPUTER PROGRAMMERS	85	-	-	10	37	20	13	5	-	-	-	29.4
SALES OCCUPATIONS	285	29	33	28	38	42	41	53	10	8	3	31.7
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS	22	2	-	-	-	10	-	7	-	-	3	34.5
SELF-EMPLOYED	7	-	-	-	-	7	-	-	-	-	-	32.5
SALES REPRESENTATIVES, FINANCE AND BUSINESS SERVICES	36	-	-	-	-	13	21	-	-	2	-	36.2
SALES REPRESENTATIVES, COMMODITIES, EXCEPT RETAIL	8	-	-	-	6	1	-	-	-	1	-	28.3
SALES WORKERS, RETAIL AND PERSONAL SERVICES	219	27	33	28	32	18	20	46	10	5	-	28.4
CASHIERS	79	12	8	15	-	12	15	17	-	-	-	31.9
SALES RELATED OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 221. OCCUPATION OF EMPLOYED PERSONS BY AGE, 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]

MINNESOTA	TOTAL, 16 YEARS AND OVER	16 AND 17 YEARS	18 AND 19 YEARS	20 TO 24 YEARS	25 TO 29 YEARS	30 TO 34 YEARS	35 TO 44 YEARS	45 TO 54 YEARS	55 TO 59 YEARS	60 TO 64 YEARS	65 YEARS AND OVER	MEDIAN AGE
ASIAN AND PACIFIC ISLANDER												
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL	1 014	24	34	219	244	144	218	70	29	32	-	29.7
SUPERVISORS, ADMINISTRATIVE SUPPORT OCCUPATIONS	8	-	-	-	-	2	-	6	-	-	-	51.7
COMPUTER EQUIPMENT OPERATORS	34	-	-	-	14	15	5	-	-	-	-	31.0
SECRETARIES, STENOGRAPHERS, AND TYPISTS	251	-	17	53	26	33	70	17	19	16	-	34.5
SECRETARIES	166	-	8	35	10	21	44	17	19	12	-	36.4
RECEPTIONISTS	21	5	-	9	-	-	7	-	-	-	-	23.8
FILE CLERKS	39	11	-	19	9	-	-	-	-	-	-	22.4
FINANCIAL RECORDS PROCESSING OCCUPATIONS	150	-	-	25	52	14	28	27	4	-	-	29.8
BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS	116	-	-	12	40	14	19	27	4	-	-	32.1
TELEPHONE OPERATORS	6	-	-	6	-	-	-	-	-	-	-	23.5
MAIL AND MESSAGE DISTRIBUTING OCCUPATIONS	36	-	-	-	7	6	15	3	-	5	-	37.8
TRAFFIC, SHIPPING, STOCK AND INVENTORY CLERKS	10	-	-	-	5	5	-	-	-	-	-	30.0
INSURANCE ADJUSTERS, EXAMINERS, AND INVESTIGATORS	15	-	-	-	-	4	11	-	-	-	-	36.6
BANK TELLERS	40	-	-	2	15	7	12	4	-	-	-	32.1
DATA-ENTRY KEYERS	99	-	-	44	40	6	2	7	-	-	-	25.7
OTHER ADMINISTRATIVE SUPPORT OCCUPATIONS	305	8	17	61	76	52	68	6	6	11	-	29.4
SERVICE OCCUPATIONS	1 026	113	49	180	152	139	161	129	54	32	17	30.7
PRIVATE HOUSEHOLD OCCUPATIONS	2	-	2	-	-	-	-	-	-	-	-	19.0
PROTECTIVE SERVICE OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-
FIREFIGHTING OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-
POLICE AND DETECTIVES, PUBLIC SERVICE	-	-	-	-	-	-	-	-	-	-	-	-
GUARDS	-	-	-	-	-	-	-	-	-	-	-	-
OTHER PROTECTIVE SERVICE OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-
SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD	1 024	113	47	180	152	139	161	129	54	32	17	30.7
FOOD PREPARATION AND SERVICE OCCUPATIONS	534	82	34	108	93	24	79	54	25	25	10	27.3
WAITERS AND FOOD COUNTER WORKERS	243	56	19	71	44	7	19	9	6	8	4	23.4
COOKS	78	-	-	12	14	12	4	26	-	10	-	41.3
HEALTH SERVICE OCCUPATIONS	191	17	8	21	21	36	39	34	8	7	-	34.0
NURSING AIDES, ORDERLIES, AND ATTENDANTS	173	17	5	21	21	33	37	31	8	-	-	33.4
CLEANING AND BUILDING SERVICE OCCUPATIONS EXC. HOUSEHOLD	138	1	-	24	19	16	29	31	13	-	5	40.0
PERSONAL SERVICE OCCUPATIONS	161	13	5	27	19	63	14	10	8	-	2	31.3
BARBERS, HAIRDRESSERS AND COSMETOLOGISTS	30	-	5	9	-	8	6	2	-	-	-	30.6
FARMING, FORESTRY, AND FISHING OCCUPATIONS	11	-	-	-	-	-	7	4	-	-	-	43.5
FARM OPERATORS AND MANAGERS	5	-	-	-	-	-	3	2	-	-	-	44.2
FARM OCCUPATIONS, EXCEPT MANAGERIAL	6	-	-	-	-	-	4	2	-	-	-	42.5
RELATED AGRICULTURAL OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-
FORESTRY AND FISHING OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS	217	-	-	17	55	37	72	23	13	-	-	34.9
MECHANICS AND REPAIRERS	9	-	-	-	-	-	5	4	-	-	-	39.5
AUTOMOBILE MECHANICS, INCLUDING BODY	4	-	-	-	-	-	-	4	-	-	-	47.5
AIRCRAFT MECHANICS	5	-	-	-	-	-	5	-	-	-	-	37.5
HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS	-	-	-	-	-	-	-	-	-	-	-	-
OTHER MECHANICS AND REPAIRERS	-	-	-	-	-	-	-	-	-	-	-	-
CONSTRUCTION TRADES	4	-	-	-	-	4	-	-	-	-	-	32.5
CARPENTERS	-	-	-	-	-	-	-	-	-	-	-	-
ELECTRICIANS	-	-	-	-	-	-	-	-	-	-	-	-
PAINTERS, CONSTRUCTION AND MAINTENANCE	-	-	-	-	-	-	-	-	-	-	-	-
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	-	-	-	-	-	-	-	-	-	-	-	-
OTHER CONSTRUCTION TRADES	4	-	-	-	-	4	-	-	-	-	-	32.5
EXTRACTIVE OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-
PRECISION PRODUCTION OCCUPATIONS	204	-	-	17	55	33	67	19	13	-	-	34.5
SUPERVISORS, PRODUCTION OCCUPATIONS	41	-	-	7	9	-	21	-	4	-	-	36.1
MANUFACTURING	25	-	-	-	-	-	21	-	4	-	-	38.0
PRECISION METALWORKING OCCUPATIONS	14	-	-	-	7	7	-	-	-	-	-	30.0
TOOL AND DIE MAKERS	-	-	-	-	-	-	-	-	-	-	-	-
MACHINISTS	7	-	-	-	7	-	-	-	-	-	-	27.5
SHEET METAL WORKERS	-	-	-	-	-	-	-	-	-	-	-	-
OTHER PRECISION METAL WORKERS	7	-	-	-	-	7	-	-	-	-	-	32.5
PRECISION TEXTILE, APPAREL, AND FURNISHINGS MACHINE WORKERS	52	-	-	-	11	7	15	10	9	-	-	39.4
PLANT AND SYSTEM OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-
OTHER PRECISION PRODUCTION OCCUPATIONS	97	-	-	10	28	19	31	9	-	-	-	32.8

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ASIAN AND PACIFIC ISLANDER												
OPERATORS, FABRICATORS, AND LABORERS	1 010	6	37	114	229	210	259	122	28	-	5	32.8
MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS	863	-	33	79	213	182	231	104	16	-	5	32.9
MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION	310	-	30	11	45	73	96	45	5	-	5	34.7
METALWORKING AND PLASTIC WORKING MACHINE OPERATORS	12	-	2	-	-	-	10	-	-	-	-	37.0
PRINTING MACHINE OPERATORS	17	-	5	-	6	-	6	-	-	-	-	27.9
TEXTILE, APPAREL, AND FURNISHINGS MACHINE OPERATORS	137	-	-	5	24	45	32	21	5	-	5	34.4
TEXTILE MACHINE OPERATORS	6	-	-	-	-	6	-	-	-	-	-	32.5
TEXTILE SEWING MACHINE OPERATORS	79	-	-	-	6	31	21	16	5	-	-	37.1
LAUNDERING AND DRYCLEANING MACHINE OPERATORS	46	-	-	5	12	8	11	5	-	-	5	33.8
OTHER SPECIFIED MACHINE OPERATORS	38	-	-	-	-	15	17	6	-	-	-	36.8
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS	106	-	23	6	15	13	31	18	-	-	-	33.5
OCCUPATION:												
MISCELLANEOUS MACHINE OPERATORS, N.E.C.	34	-	-	3	9	6	11	5	-	-	-	34.2
MACHINE OPERATORS, NOT SPECIFIED	72	-	23	3	6	7	20	13	-	-	-	32.9
INDUSTRY:												
MANUFACTURING	98	-	23	3	15	8	31	18	-	-	-	35.0
NONDURABLE GOODS	77	-	23	-	15	6	25	8	-	-	-	30.4
FOOD AND KINDRED PRODUCTS	17	-	5	-	-	-	12	-	-	-	-	36.5
TEXTILE MILL AND FINISHED TEXTILE PRODUCTS	-	-	-	-	-	-	-	-	-	-	-	-
PAPER AND ALLIED PRODUCTS	8	-	-	-	-	-	-	8	-	-	-	47.5
OTHER NONDURABLE GOODS	52	-	18	-	15	6	13	-	-	-	-	27.7
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG	21	-	-	3	-	2	6	10	-	-	-	44.6
METAL INDUSTRIES	-	-	-	-	-	-	-	-	-	-	-	-
MACHINERY, INCLUDING ELECTRICAL	13	-	-	-	-	2	6	5	-	-	-	43.8
TRANSPORTATION EQUIPMENT	-	-	-	-	-	-	-	-	-	-	-	-
OTHER DURABLE GOODS	8	-	-	3	-	-	-	5	-	-	-	46.0
NONMANUFACTURING INDUSTRIES	8	-	-	3	-	5	-	-	-	-	-	31.0
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	-	-	-	-	-	-	-	-	-	-	-	-
WHOLESALE AND RETAIL TRADE	5	-	-	-	-	5	-	-	-	-	-	32.5
ALL OTHER INDUSTRIES	3	-	-	3	-	-	-	-	-	-	-	22.8
FABRICATORS, ASSEMBLERS, AND HAND WORKING OCCUPATIONS	503	-	3	57	148	101	130	53	11	-	-	32.2
WELDERS AND CUTTERS	-	-	-	-	-	-	-	-	-	-	-	-
ASSEMBLERS	477	-	3	57	136	101	116	53	11	-	-	32.1
OTHER FABRICATORS AND HAND WORKING OCCUPATIONS	26	-	-	-	12	-	14	-	-	-	-	35.7
PRODUCTION INSPECTORS, TESTERS, SAMPLERS, AND WEIGHERS	50	-	-	11	20	8	5	6	-	-	-	28.5
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	13	-	4	-	-	-	9	-	-	-	-	36.6
MOTOR VEHICLE OPERATORS	5	-	4	-	-	-	1	-	-	-	-	19.3
TRUCK DRIVERS AND DRIVER-SALES WORKERS	1	-	-	-	-	-	1	-	-	-	-	42.5
BUS DRIVERS	4	-	4	-	-	-	-	-	-	-	-	19.0
RAIL AND WATER TRANSPORTATION OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-
MATERIAL MOVING EQUIPMENT OPERATORS	8	-	-	-	-	-	8	-	-	-	-	37.5
EXCAVATING, GRADING, AND DOZER MACHINE OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-
HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS	134	6	-	35	16	28	19	18	12	-	-	31.8
CONSTRUCTION LABORERS	-	-	-	-	-	-	-	-	-	-	-	-
FREIGHT, STOCK, AND MATERIAL HANDLERS	18	6	-	-	12	-	-	-	-	-	-	26.3
GARAGE AND SERVICE STATION RELATED OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-
HAND PACKERS AND PACKAGERS	74	-	-	30	-	13	5	14	12	-	-	32.7
OTHER SPECIFIED HANDLERS, EQUIPMENT CLEANERS, AND HELPERS	-	-	-	-	-	-	-	-	-	-	-	-
LABORERS, EXCEPT CONSTRUCTION	42	-	-	5	4	15	14	4	-	-	-	34.0
MANUFACTURING	30	-	-	5	2	7	14	2	-	-	-	35.4
NONDURABLE GOODS	17	-	-	-	2	7	6	2	-	-	-	34.6
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG	13	-	-	5	-	-	8	-	-	-	-	36.3
METAL INDUSTRIES	2	-	-	2	-	-	-	-	-	-	-	21.0
NONMANUFACTURING INDUSTRIES	12	-	-	-	2	8	-	2	-	-	-	32.5
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	-	-	-	-	-	-	-	-	-	-	-	-
WHOLESALE AND RETAIL TRADE	-	-	-	-	-	-	-	-	-	-	-	-
ALL OTHER INDUSTRIES	12	-	-	-	2	8	-	2	-	-	-	32.5

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MINNESOTA	TOTAL, 16 YEARS AND OVER	16 AND 17 YEARS	18 AND 19 YEARS	20 TO 24 YEARS	25 TO 29 YEARS	30 TO 34 YEARS	35 TO 44 YEARS	45 TO 54 YEARS	55 TO 59 YEARS	60 TO 64 YEARS	65 YEARS AND OVER	MEDIAN AGE
SPANISH ORIGIN												
EMPLOYED MALES 16 YEARS AND OVER	6 400	161	321	1 100	1 228	1 003	1 238	769	299	144	137	31.9
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS	1 284	-	19	154	238	245	320	231	45	18	14	34.7
EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS	547	-	12	80	69	113	122	112	19	6	14	35.0
OFFICIALS AND ADMINISTRATORS, PUBLIC ADMINISTRATION	25	-	-	-	13	-	8	4	-	-	-	29.8
ADMINISTRATORS, EDUCATION AND RELATED FIELDS	13	-	-	-	-	-	11	2	-	-	-	43.0
MANAGERS, MEDICINE AND HEALTH	8	-	-	-	-	-	8	-	-	-	-	42.5
OTHER SPECIFIED MANAGERS	69	-	-	-	17	39	7	6	-	-	-	32.2
MANAGERS AND ADMINISTRATORS, N.E.C., SALARIED	258	-	6	56	27	27	55	62	19	-	6	37.3
MANUFACTURING	20	-	-	3	-	8	7	2	-	-	-	34.4
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	31	-	-	9	6	6	-	10	-	-	-	30.4
WHOLESALE AND RETAIL TRADE	80	-	6	16	11	13	26	8	-	-	-	32.7
ALL OTHER INDUSTRIES	127	-	-	28	10	-	22	42	19	-	6	45.7
MANAGERS AND ADMINISTRATORS, N.E.C., SELF-EMPLOYED	19	-	-	-	2	15	-	-	-	-	2	32.5
CONSTRUCTION	-	-	-	-	-	-	-	-	-	-	-	-
MANUFACTURING	-	-	-	-	-	-	-	-	-	-	-	-
WHOLESALE AND RETAIL TRADE	11	-	-	-	2	7	-	-	-	-	2	32.5
ALL OTHER INDUSTRIES	8	-	-	-	-	8	-	-	-	-	-	32.5
MANAGEMENT RELATED OCCUPATIONS	155	-	6	24	10	32	33	38	-	6	6	36.1
ACCOUNTANTS AND AUDITORS	36	-	-	11	-	-	6	7	-	6	6	45.7
BUYERS AND PURCHASING AGENTS	38	-	-	13	2	11	9	3	-	-	-	31.8
PROFESSIONAL SPECIALTY OCCUPATIONS	737	-	7	74	169	132	198	119	26	12	-	34.5
ENGINEERS, ARCHITECTS, AND SURVEYORS	159	-	-	5	33	17	76	16	12	-	-	38.4
ARCHITECTS	18	-	-	-	-	-	18	-	-	-	-	40.9
ENGINEERS	141	-	-	5	33	17	58	16	12	-	-	37.7
ELECTRICAL AND ELECTRONIC ENGINEERS	43	-	-	-	13	11	12	-	7	-	-	33.9
MECHANICAL ENGINEERS	9	-	-	-	7	-	2	-	-	-	-	28.2
OTHER ENGINEERS	89	-	-	5	13	6	44	16	5	-	-	39.5
SURVEYORS AND MAPPING SCIENTISTS	-	-	-	-	-	-	-	-	-	-	-	-
MATHEMATICAL AND COMPUTER SCIENTISTS	30	-	-	-	13	6	-	7	4	-	-	31.7
COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS	23	-	-	-	13	6	-	-	4	-	-	29.4
NATURAL SCIENTISTS	9	-	-	-	9	-	-	-	-	-	-	27.5
HEALTH DIAGNOSING OCCUPATIONS	94	-	-	-	20	17	36	13	8	-	-	38.1
PHYSICIANS	88	-	-	-	19	12	36	13	8	-	-	39.1
DENTISTS	-	-	-	-	-	-	-	-	-	-	-	-
OTHER HEALTH DIAGNOSING PRACTITIONERS	6	-	-	-	1	5	-	-	-	-	-	32.0
HEALTH ASSESSMENT AND TREATING OCCUPATIONS	26	-	-	-	6	6	1	13	-	-	-	45.0
REGISTERED NURSES	-	-	-	-	-	-	-	-	-	-	-	-
PHARMACISTS	1	-	-	-	-	-	1	-	-	-	-	42.5
THERAPISTS	25	-	-	-	6	6	-	13	-	-	-	45.4
TEACHERS, LIBRARIANS, AND COUNSELORS	234	-	-	37	43	43	66	31	2	12	-	34.3
TEACHERS, POSTSECONDARY	57	-	-	25	8	-	17	5	-	2	-	27.2
TEACHERS, ELEMENTARY AND PRE-KINDERGARTEN	69	-	-	-	-	31	20	6	2	10	-	36.0
TEACHERS, SECONDARY	57	-	-	6	17	7	16	11	-	-	-	33.9
SOCIAL SCIENTISTS AND URBAN PLANNERS	6	-	-	-	-	6	-	-	-	-	-	32.5
SOCIAL AND RECREATION WORKERS	37	-	-	6	5	18	2	6	-	-	-	32.1
RELIGIOUS WORKERS	6	-	-	-	6	-	-	-	-	-	-	27.5
LAWYERS AND JUDGES	22	-	-	-	-	10	-	12	-	-	-	45.4
WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES	114	-	7	26	34	9	17	21	-	-	-	28.5
TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS	1 004	27	72	189	226	158	213	85	23	5	6	29.7
TECHNICIANS AND RELATED SUPPORT OCCUPATIONS	173	-	4	42	48	28	37	14	-	-	-	29.2
HEALTH TECHNOLOGISTS AND TECHNICIANS	37	-	-	19	-	-	13	5	-	-	-	24.9
LICENSED PRACTICAL NURSES	-	-	-	-	-	-	-	-	-	-	-	-
ENGINEERING AND SCIENCE TECHNICIANS	93	-	4	23	15	28	17	6	-	-	-	30.8
ELECTRICAL AND ELECTRONIC TECHNICIANS	32	-	-	5	9	18	-	-	-	-	-	30.6
DRAFTING AND SURVEYING TECHNICIANS	31	-	-	11	-	5	15	-	-	-	-	34.5
TECHNICIANS, EXCEPT HEALTH, ENGINEERING, AND SCIENCE	43	-	-	-	33	-	7	3	-	-	-	28.3
AIRPLANE PILOTS AND NAVIGATORS	7	-	-	-	4	-	-	3	-	-	-	29.4
COMPUTER PROGRAMMERS	18	-	-	-	18	-	-	-	-	-	-	27.5
SALES OCCUPATIONS	259	25	19	31	74	39	59	6	-	-	6	28.7
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS	25	-	7	-	-	7	5	-	-	-	6	33.9
SELF-EMPLOYED	-	-	-	-	-	-	-	-	-	-	-	-
SALES REPRESENTATIVES, FINANCE AND BUSINESS SERVICES	59	-	-	7	10	24	18	-	-	-	-	32.6
SALES REPRESENTATIVES, COMMODITIES, EXCEPT RETAIL	48	10	-	5	15	2	14	2	-	-	-	28.0
SALES WORKERS, RETAIL AND PERSONAL SERVICES	127	15	12	19	49	6	22	4	-	-	-	26.8
CASHIERS	22	4	-	10	7	1	-	-	-	-	-	21.4
SALES RELATED OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 221. OCCUPATION OF EMPLOYED PERSONS BY AGE, 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]

MINNESOTA	TOTAL, 16 YEARS AND OVER	16 AND 17 YEARS	18 AND 19 YEARS	20 TO 24 YEARS	25 TO 29 YEARS	30 TO 34 YEARS	35 TO 44 YEARS	45 TO 54 YEARS	55 TO 59 YEARS	60 TO 64 YEARS	65 YEARS AND OVER	MEDIAN AGE
SPANISH ORIGIN												
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL	572	2	49	116	104	91	117	65	23	5	-	30.8
SUPERVISORS, ADMINISTRATIVE SUPPORT OCCUPATIONS	33	-	-	7	-	8	6	6	6	-	-	36.3
COMPUTER EQUIPMENT OPERATORS	14	-	7	-	6	-	1	-	-	-	-	22.0
SECRETARIES, STENOGRAPHERS, AND TYPISTS	5	-	5	-	-	-	-	-	-	-	-	19.0
SECRETARIES	-	-	-	-	-	-	-	-	-	-	-	-
RECEPTIONISTS	6	-	-	6	-	-	-	-	-	-	-	21.0
FILE CLERKS	14	-	6	8	-	-	-	-	-	-	-	22.4
FINANCIAL RECORDS PROCESSING OCCUPATIONS	23	-	5	2	-	-	16	-	-	-	-	39.5
BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS	13	-	-	2	-	-	11	-	-	-	-	42.0
TELEPHONE OPERATORS	13	-	-	-	-	9	4	-	-	-	-	33.6
MAIL AND MESSAGE DISTRIBUTING OCCUPATIONS	100	-	-	28	28	10	15	14	5	-	-	28.9
TRAFFIC, SHIPPING, STOCK AND INVENTORY CLERKS	118	-	12	13	16	38	31	3	-	5	-	32.4
INSURANCE ADJUSTERS, EXAMINERS, AND INVESTIGATORS	10	-	-	-	10	-	-	-	-	-	-	27.5
BANK TELLERS	21	-	-	21	-	-	-	-	-	-	-	22.4
DATA-ENTRY KEYERS	-	-	-	-	-	-	-	-	-	-	-	-
OTHER ADMINISTRATIVE SUPPORT OCCUPATIONS	215	2	14	31	44	26	44	42	12	-	-	33.2
SERVICE OCCUPATIONS	946	63	61	167	237	94	135	72	43	14	60	28.8
PRIVATE HOUSEHOLD OCCUPATIONS	6	-	-	-	-	-	-	6	-	-	-	47.5
PROTECTIVE SERVICE OCCUPATIONS	99	-	6	6	33	25	15	12	2	-	-	30.9
FIREFIGHTING OCCUPATIONS	9	-	-	-	-	9	-	-	-	-	-	32.5
POLICE AND DETECTIVES, PUBLIC SERVICE	25	-	-	6	6	6	7	-	-	-	-	30.4
GUARDS	22	-	6	-	5	-	3	6	2	-	-	32.0
OTHER PROTECTIVE SERVICE OCCUPATIONS	43	-	-	-	22	10	5	6	-	-	-	29.9
SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD	841	63	55	161	204	69	120	54	41	14	60	28.5
FOOD PREPARATION AND SERVICE OCCUPATIONS	278	60	46	65	39	20	20	16	-	2	10	22.0
WAITERS AND FOOD COUNTER WORKERS	41	-	19	-	12	-	-	-	-	-	10	25.6
COOKS	94	16	13	23	22	20	-	-	-	-	-	23.1
HEALTH SERVICE OCCUPATIONS	81	3	-	6	62	-	10	-	-	-	-	27.5
NURSING AIDES, ORDERLIES, AND ATTENDANTS	69	3	-	6	50	-	10	-	-	-	-	27.5
CLEANING AND BUILDING SERVICE OCCUPATIONS EXC. HOUSEHOLD	426	-	9	77	75	39	85	38	41	12	50	37.2
PERSONAL SERVICE OCCUPATIONS	56	-	-	13	28	10	5	-	-	-	-	27.7
BARBERS, HAIRDRESSERS AND COSMETOLOGISTS	41	-	-	6	25	5	5	-	-	-	-	27.9
FARMING, FORESTRY, AND FISHING OCCUPATIONS	192	18	10	19	14	28	14	52	12	10	15	38.5
FARM OPERATORS AND MANAGERS	55	-	-	4	2	13	6	11	8	6	5	48.1
FARM OCCUPATIONS, EXCEPT MANAGERIAL	100	12	10	15	10	13	8	16	4	4	8	31.2
RELATED AGRICULTURAL OCCUPATIONS	35	6	-	-	-	2	-	25	-	-	2	49.0
FORESTRY AND FISHING OCCUPATIONS	2	-	-	-	2	-	-	-	-	-	-	27.5
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS	963	4	40	154	122	199	198	101	76	38	31	34.1
MECHANICS AND REPAIRERS	307	-	20	54	51	46	34	48	36	18	-	33.1
AUTOMOBILE MECHANICS, INCLUDING BODY	59	-	8	11	12	16	4	6	-	2	-	29.4
AIRCRAFT MECHANICS	6	-	-	-	-	-	-	-	6	-	-	57.5
HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS	7	-	-	-	-	-	-	7	-	-	-	47.5
OTHER MECHANICS AND REPAIRERS	235	-	12	43	39	30	30	35	30	16	-	33.9
CONSTRUCTION TRADES	234	4	6	22	20	52	42	27	28	7	26	37.5
CARPENTERS	63	-	-	8	-	17	5	2	8	-	23	48.8
ELECTRICIANS	16	-	-	5	-	-	2	2	-	7	-	47.5
PAINTERS, CONSTRUCTION AND MAINTENANCE	13	4	-	-	-	9	-	-	-	-	-	31.4
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	30	-	-	-	4	11	1	-	14	-	-	37.0
OTHER CONSTRUCTION TRADES	112	-	6	9	16	15	34	23	6	-	3	37.1
EXTRACTIVE OCCUPATIONS	16	-	-	11	2	-	3	-	-	-	-	21.8
PRECISION PRODUCTION OCCUPATIONS	406	-	14	67	49	101	119	26	12	13	5	33.6
SUPERVISORS, PRODUCTION OCCUPATIONS	131	-	-	-	25	56	29	21	-	-	-	33.6
MANUFACTURING	109	-	-	-	25	49	14	21	-	-	-	33.0
PRECISION METALWORKING OCCUPATIONS	62	-	-	-	13	10	32	-	7	-	-	38.3
TOOL AND DIE MAKERS	12	-	-	-	-	-	12	-	-	-	-	38.0
MACHINISTS	45	-	-	-	13	5	20	-	7	-	-	40.7
SHEET METAL WORKERS	5	-	-	-	-	5	-	-	-	-	-	32.5
OTHER PRECISION METAL WORKERS	-	-	-	-	-	-	-	-	-	-	-	-
PRECISION TEXTILE, APPAREL, AND FURNISHINGS MACHINE WORKERS	24	-	8	6	-	5	-	5	-	-	-	24.0
PLANT AND SYSTEM OPERATORS	15	-	-	6	6	-	3	-	-	-	-	26.3
OTHER PRECISION PRODUCTION OCCUPATIONS	174	-	6	55	5	30	55	-	5	13	5	33.5

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MINNESOTA	TOTAL, 16 YEARS AND OVER	16 AND 17 YEARS	18 AND 19 YEARS	20 TO 24 YEARS	25 TO 29 YEARS	30 TO 34 YEARS	35 TO 44 YEARS	45 TO 54 YEARS	55 TO 59 YEARS	60 TO 64 YEARS	65 YEARS AND OVER	MEDIAN AGE
SPANISH ORIGIN												
OPERATORS, FABRICATORS, AND LABORERS	2 011	49	119	417	391	279	358	228	100	59	11	30.5
MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS	1 122	7	36	267	217	214	221	78	45	29	8	30.8
MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION	772	7	14	179	186	118	165	58	33	12	-	30.0
METALWORKING AND PLASTIC WORKING MACHINE OPERATORS	90	-	2	16	21	27	18	6	-	-	-	31.1
PRINTING MACHINE OPERATORS	72	-	2	4	32	-	34	-	-	-	-	29.7
TEXTILE, APPAREL, AND FURNISHINGS MACHINE OPERATORS	30	5	-	14	-	-	6	-	-	5	-	24.1
TEXTILE MACHINE OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-
TEXTILE SEWING MACHINE OPERATORS	6	-	-	-	-	-	6	-	-	-	-	37.5
LAUNDERING AND DRYCLEANING MACHINE OPERATORS	18	5	-	8	-	-	-	-	-	5	-	23.5
OTHER SPECIFIED MACHINE OPERATORS	282	-	3	67	45	66	57	31	6	7	-	32.0
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS	298	2	7	78	88	25	50	21	27	-	-	28.5
OCCUPATION:												
MISCELLANEOUS MACHINE OPERATORS, N.E.C.	52	2	-	25	-	11	7	-	7	-	-	24.7
MACHINE OPERATORS, NOT SPECIFIED	246	-	7	53	88	14	43	21	20	-	-	28.6
INDUSTRY:												
MANUFACTURING	253	-	4	69	78	25	37	13	27	-	-	28.4
NONDURABLE GOODS	85	-	4	26	19	5	20	5	6	-	-	28.3
FOOD AND KINDRED PRODUCTS	53	-	4	10	8	-	20	5	6	-	-	38.2
TEXTILE MILL AND FINISHED TEXTILE PRODUCTS	-	-	-	-	-	-	-	-	-	-	-	-
PAPER AND ALLIED PRODUCTS	21	-	-	16	5	-	-	-	-	-	-	24.0
OTHER NONDURABLE GOODS	11	-	-	-	6	5	-	-	-	-	-	29.6
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG	168	-	-	43	59	20	17	8	21	-	-	28.5
METAL INDUSTRIES	39	-	-	10	19	2	-	8	-	-	-	27.5
MACHINERY, INCLUDING ELECTRICAL	77	-	-	15	26	18	11	-	7	-	-	29.5
TRANSPORTATION EQUIPMENT	16	-	-	-	2	-	-	-	14	-	-	57.1
OTHER DURABLE GOODS	36	-	-	18	12	-	6	-	-	-	-	25.0
NONMANUFACTURING INDUSTRIES	45	2	3	9	10	-	13	8	-	-	-	29.2
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	2	-	-	-	2	-	-	-	-	-	-	27.5
WHOLESALE AND RETAIL TRADE	30	-	-	9	-	-	13	8	-	-	-	42.3
ALL OTHER INDUSTRIES	13	2	3	-	8	-	-	-	-	-	-	25.9
FABRICATORS, ASSEMBLERS, AND HAND WORKING OCCUPATIONS	298	-	22	88	31	91	34	15	12	5	-	30.4
WELDERS AND CUTTERS	120	-	2	27	25	29	10	12	10	5	-	31.0
ASSEMBLERS	157	-	20	59	6	46	23	3	-	-	-	25.0
OTHER FABRICATORS AND HAND WORKING OCCUPATIONS	21	-	-	2	-	16	1	-	2	-	-	32.7
PRODUCTION INSPECTORS, TESTERS, SAMPLERS, AND WEIGHERS	52	-	-	-	-	5	22	5	-	12	8	44.8
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	390	5	17	54	66	38	63	84	41	19	3	37.3
MOTOR VEHICLE OPERATORS	265	5	17	38	47	32	33	44	27	19	3	34.0
TRUCK DRIVERS AND DRIVER-SALES WORKERS	199	-	8	27	34	32	17	35	27	19	-	34.8
BUS DRIVERS	31	-	3	-	-	-	16	9	-	-	3	43.9
RAIL AND WATER TRANSPORTATION OCCUPATIONS	25	-	-	9	5	-	5	6	-	-	-	28.5
MATERIAL MOVING EQUIPMENT OPERATORS	100	-	-	7	14	6	25	34	14	-	-	40.0
EXCAVATING, GRADING, AND DOZER MACHINE OPERATORS	15	-	-	7	-	-	-	8	-	-	-	45.5
HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS	499	37	66	96	108	27	74	66	14	11	-	27.3
CONSTRUCTION LABORERS	50	-	-	-	13	2	23	12	-	-	-	37.2
FREIGHT, STOCK, AND MATERIAL HANDLERS	148	20	33	47	19	-	23	6	-	-	-	22.1
GARAGE AND SERVICE STATION RELATED OCCUPATIONS	28	6	12	7	-	-	1	2	-	-	-	19.3
HAND PACKERS AND PACKAGERS	14	-	-	-	6	6	-	2	-	-	-	30.8
OTHER SPECIFIED HANDLERS, EQUIPMENT CLEANERS, AND HELPERS	29	2	5	-	6	-	2	12	-	2	-	38.8
LABORERS, EXCEPT CONSTRUCTION	230	9	16	42	64	19	25	32	14	9	-	28.8
MANUFACTURING	158	9	7	36	47	14	18	24	3	-	-	27.9
NONDURABLE GOODS	83	8	-	28	18	8	11	7	3	-	-	26.5
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG	75	1	7	8	29	6	7	17	-	-	-	28.7
METAL INDUSTRIES	34	-	-	6	17	-	-	11	-	-	-	28.2
NONMANUFACTURING INDUSTRIES	72	-	9	6	17	5	7	8	11	9	-	34.0
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	39	-	-	4	6	5	7	8	4	5	-	38.2
WHOLESALE AND RETAIL TRADE	19	-	2	2	11	-	-	-	-	4	-	27.5
ALL OTHER INDUSTRIES	14	-	7	-	-	-	-	-	7	-	-	37.0

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SPANISH ORIGIN												
EMPLOYED FEMALES 16 YEARS AND OVER	4 988	341	425	987	856	643	979	478	168	83	28	29.3
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS	737	12	25	152	204	111	147	55	13	14	4	29.4
EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS	218	6	8	58	89	4	37	4	8	-	4	27.1
OFFICIALS AND ADMINISTRATORS, PUBLIC ADMINISTRATION	10	-	-	-	10	-	-	-	-	-	-	27.5
ADMINISTRATORS, EDUCATION AND RELATED FIELDS	2	-	-	2	-	-	-	-	-	-	-	21.0
MANAGERS, MEDICINE AND HEALTH	-	-	-	-	-	-	-	-	-	-	-	-
OTHER SPECIFIED MANAGERS	34	-	-	7	21	-	2	4	-	-	-	27.4
MANAGERS AND ADMINISTRATORS, N.E.C., SALARIED	102	6	-	33	41	4	13	-	3	-	2	26.5
MANUFACTURING	-	-	-	-	-	-	-	-	-	-	-	-
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	15	-	-	-	15	-	-	-	-	-	-	27.5
WHOLESALE AND RETAIL TRADE	36	-	-	26	8	2	-	-	-	-	-	23.7
ALL OTHER INDUSTRIES	51	6	-	7	18	2	13	-	3	-	2	28.5
MANAGERS AND ADMINISTRATORS, N.E.C., SELF-EMPLOYED	15	-	-	-	2	-	11	-	-	-	2	40.4
CONSTRUCTION	-	-	-	-	-	-	-	-	-	-	-	-
MANUFACTURING	-	-	-	-	-	-	-	-	-	-	-	-
WHOLESALE AND RETAIL TRADE	10	-	-	-	2	-	6	-	-	-	2	42.5
ALL OTHER INDUSTRIES	5	-	-	-	-	-	5	-	-	-	-	37.5
MANAGEMENT RELATED OCCUPATIONS	55	-	8	16	15	-	11	-	5	-	-	26.2
ACCOUNTANTS AND AUDITORS	39	-	8	15	11	-	-	-	5	-	-	24.3
BUYERS AND PURCHASING AGENTS	9	-	-	-	4	-	5	-	-	-	-	40.5
PROFESSIONAL SPECIALTY OCCUPATIONS	519	6	17	94	115	107	110	51	5	14	-	31.3
ENGINEERS, ARCHITECTS, AND SURVEYORS	15	-	-	-	-	9	6	-	-	-	-	34.2
ARCHITECTS	-	-	-	-	-	-	-	-	-	-	-	-
ENGINEERS	15	-	-	-	-	9	6	-	-	-	-	34.2
ELECTRICAL AND ELECTRONIC ENGINEERS	-	-	-	-	-	-	-	-	-	-	-	-
MECHANICAL ENGINEERS	-	-	-	-	-	-	-	-	-	-	-	-
OTHER ENGINEERS	15	-	-	-	-	9	6	-	-	-	-	34.2
SURVEYORS AND MAPPING SCIENTISTS	-	-	-	-	-	-	-	-	-	-	-	-
MATHEMATICAL AND COMPUTER SCIENTISTS	13	-	-	-	7	-	6	-	-	-	-	29.6
COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS	13	-	-	-	7	-	6	-	-	-	-	29.6
NATURAL SCIENTISTS	-	-	-	-	-	-	-	-	-	-	-	-
HEALTH DIAGNOSING OCCUPATIONS	12	-	-	6	-	-	6	-	-	-	-	30.0
PHYSICIANS	12	-	-	6	-	-	6	-	-	-	-	30.0
DENTISTS	-	-	-	-	-	-	-	-	-	-	-	-
OTHER HEALTH DIAGNOSING PRACTITIONERS	-	-	-	-	-	-	-	-	-	-	-	-
HEALTH ASSESSMENT AND TREATING OCCUPATIONS	112	-	-	20	15	25	22	19	5	6	-	34.2
REGISTERED NURSES	94	-	-	10	13	25	16	19	5	6	-	34.8
PHARMACISTS	-	-	-	-	-	-	-	-	-	-	-	-
THERAPISTS	12	-	-	10	2	-	-	-	-	-	-	22.6
TEACHERS, LIBRARIANS, AND COUNSELORS	213	-	17	41	39	41	54	13	-	8	-	31.2
TEACHERS, POSTSECONDARY	51	-	12	12	7	6	14	-	-	-	-	26.1
TEACHERS, ELEMENTARY AND PRE-KINDERGARTEN	51	-	-	-	10	22	11	8	-	-	-	33.5
TEACHERS, SECONDARY	64	-	-	13	8	13	22	-	-	8	-	34.2
SOCIAL SCIENTISTS AND URBAN PLANNERS	12	-	-	-	7	5	-	-	-	-	-	29.3
SOCIAL AND RECREATION WORKERS	32	-	-	-	16	-	10	6	-	-	-	32.0
RELIGIOUS WORKERS	20	-	-	-	2	11	-	7	-	-	-	33.6
LAWYERS AND JUDGES	7	-	-	7	-	-	-	-	-	-	-	23.5
WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES	83	6	-	20	29	16	6	6	-	-	-	27.7
TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS	2 014	175	203	454	372	278	344	141	34	9	4	27.4
TECHNICIANS AND RELATED SUPPORT OCCUPATIONS	102	-	7	34	22	12	12	9	6	-	-	27.3
HEALTH TECHNOLOGISTS AND TECHNICIANS	49	-	7	13	15	-	6	2	6	-	-	26.5
LICENSED PRACTICAL NURSES	34	-	-	13	13	-	6	2	-	-	-	26.5
ENGINEERING AND SCIENCE TECHNICIANS	24	-	-	6	-	12	6	-	-	-	-	32.5
ELECTRICAL AND ELECTRONIC TECHNICIANS	6	-	-	-	-	6	-	-	-	-	-	32.5
DRAFTING AND SURVEYING TECHNICIANS	9	-	-	6	-	-	3	-	-	-	-	24.3
TECHNICIANS, EXCEPT HEALTH, ENGINEERING, AND SCIENCE	29	-	-	15	7	-	-	7	-	-	-	24.7
AIRPLANE PILOTS AND NAVIGATORS	-	-	-	-	-	-	-	-	-	-	-	-
COMPUTER PROGRAMMERS	15	-	-	15	-	-	-	-	-	-	-	21.5
SALES OCCUPATIONS	421	103	66	94	88	9	31	19	-	7	4	21.3
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS	6	-	-	4	-	2	-	-	-	-	-	24.3
SELF-EMPLOYED	2	-	-	-	-	2	-	-	-	-	-	32.5
SALES REPRESENTATIVES, FINANCE AND BUSINESS SERVICES	54	-	5	10	27	-	6	-	-	6	-	27.2
SALES REPRESENTATIVES, COMMODITIES, EXCEPT RETAIL	10	-	-	-	10	-	-	-	-	-	-	27.5
SALES WORKERS, RETAIL AND PERSONAL SERVICES	351	103	61	80	51	7	25	19	-	1	4	20.4
CASHIERS	176	75	40	15	29	5	5	6	-	1	-	18.6
SALES RELATED OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 221. OCCUPATION OF EMPLOYED PERSONS BY AGE, 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]

MINNESOTA	TOTAL, 16 YEARS AND OVER	16 AND 17 YEARS	18 AND 19 YEARS	20 TO 24 YEARS	25 TO 29 YEARS	30 TO 34 YEARS	35 TO 44 YEARS	45 TO 54 YEARS	55 TO 59 YEARS	60 TO 64 YEARS	65 YEARS AND OVER	MEDIAN AGE
SPANISH ORIGIN												
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL	1 491	72	130	326	262	257	301	113	28	2	-	29.2
SUPERVISORS, ADMINISTRATIVE SUPPORT OCCUPATIONS	20	-	-	-	-	12	8	-	-	-	-	34.2
COMPUTER EQUIPMENT OPERATORS	64	-	17	-	8	16	17	6	-	-	-	32.2
SECRETARIES, STENOGRAPHERS, AND TYPISTS	479	12	39	142	122	63	68	33	-	-	-	26.9
SECRETARIES	291	2	22	81	97	46	23	20	-	-	-	27.1
RECEPTIONISTS	88	4	17	11	12	17	17	4	6	-	-	30.0
FILE CLERKS	60	16	-	23	6	13	2	-	-	-	-	21.2
FINANCIAL RECORDS PROCESSING OCCUPATIONS	178	28	10	30	31	25	54	-	-	-	-	28.4
BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS	131	13	2	17	31	25	43	-	-	-	-	30.5
TELEPHONE OPERATORS	20	-	-	-	6	5	6	1	-	2	-	34.0
MAIL AND MESSAGE DISTRIBUTING OCCUPATIONS	41	-	-	2	7	-	18	14	-	-	-	41.4
TRAFFIC, SHIPPING, STOCK AND INVENTORY CLERKS	44	-	-	5	8	14	6	11	-	-	-	33.2
INSURANCE ADJUSTERS, EXAMINERS, AND INVESTIGATORS	7	-	-	-	-	7	-	-	-	-	-	32.5
BANK TELLERS	42	-	8	18	2	-	11	3	-	-	-	23.6
DATA-ENTRY KEYERS	97	-	7	32	13	21	17	-	7	-	-	28.7
OTHER ADMINISTRATIVE SUPPORT OCCUPATIONS	351	12	32	63	47	64	77	41	15	-	-	31.7
SERVICE OCCUPATIONS	1 149	136	119	208	141	127	214	116	40	30	18	29.0
PRIVATE HOUSEHOLD OCCUPATIONS	50	-	-	-	-	11	29	2	5	-	3	40.0
PROTECTIVE SERVICE OCCUPATIONS	30	-	-	14	6	5	3	2	-	-	-	25.8
FIREFIGHTING OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-
POLICE AND DETECTIVES, PUBLIC SERVICE	2	-	-	-	-	-	-	2	-	-	-	47.5
GUARDS	23	-	-	14	6	-	3	-	-	-	-	24.5
OTHER PROTECTIVE SERVICE OCCUPATIONS	5	-	-	-	-	5	-	-	-	-	-	32.5
SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD	1 069	136	119	194	135	111	182	112	35	30	15	28.2
FOOD PREPARATION AND SERVICE OCCUPATIONS	408	73	52	59	40	30	82	53	2	13	4	27.5
WAITERS AND FOOD COUNTER WORKERS	162	41	22	34	22	7	19	12	-	5	-	21.3
COOKS	108	11	10	2	13	11	41	14	2	2	2	38.2
HEALTH SERVICE OCCUPATIONS	273	25	55	51	44	28	28	27	7	8	-	25.6
NURSING AIDES, ORDERLIES, AND ATTENDANTS	196	16	41	39	37	24	21	10	-	8	-	25.3
CLEANING AND BUILDING SERVICE OCCUPATIONS EXC. HOUSEHOLD	132	21	12	29	9	6	26	20	-	9	-	27.2
PERSONAL SERVICE OCCUPATIONS	256	17	-	55	42	47	46	12	26	-	11	31.5
BARBERS, HAIRDRESSERS AND COSMETOLOGISTS	28	-	-	10	1	11	6	-	-	-	-	31.4
FARMING, FORESTRY, AND FISHING OCCUPATIONS	62	-	2	10	12	7	18	4	7	2	-	35.0
FARM OPERATORS AND MANAGERS	28	-	-	-	10	5	6	2	5	-	-	34.0
FARM OCCUPATIONS, EXCEPT MANAGERIAL	24	-	2	2	2	2	10	2	2	2	-	37.0
RELATED AGRICULTURAL OCCUPATIONS	8	-	-	6	-	-	2	-	-	-	-	21.3
FORESTRY AND FISHING OCCUPATIONS	2	-	-	2	-	-	-	-	-	-	-	23.5
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS	169	2	1	8	35	27	50	23	16	5	2	36.6
MECHANICS AND REPAIRERS	23	-	-	-	7	-	6	10	-	-	-	43.8
AUTOMOBILE MECHANICS, INCLUDING BODY	-	-	-	-	-	-	-	-	-	-	-	-
AIRCRAFT MECHANICS	-	-	-	-	-	-	-	-	-	-	-	-
HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS	-	-	-	-	-	-	-	-	-	-	-	-
OTHER MECHANICS AND REPAIRERS	23	-	-	-	7	-	6	10	-	-	-	43.8
CONSTRUCTION TRADES	7	-	-	-	7	-	-	-	-	-	-	27.5
CARPENTERS	-	-	-	-	-	-	-	-	-	-	-	-
ELECTRICIANS	-	-	-	-	-	-	-	-	-	-	-	-
PAINTERS, CONSTRUCTION AND MAINTENANCE	-	-	-	-	-	-	-	-	-	-	-	-
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	-	-	-	-	-	-	-	-	-	-	-	-
OTHER CONSTRUCTION TRADES	7	-	-	-	7	-	-	-	-	-	-	27.5
EXTRACTIVE OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-
PRECISION PRODUCTION OCCUPATIONS	139	2	1	8	21	27	44	13	16	5	2	36.4
SUPERVISORS, PRODUCTION OCCUPATIONS	42	-	-	-	2	13	13	-	14	-	-	37.3
MANUFACTURING	26	-	-	-	-	6	13	-	7	-	-	37.7
PRECISION METALWORKING OCCUPATIONS	10	-	-	-	5	-	5	-	-	-	-	35.0
TOOL AND DIE MAKERS	-	-	-	-	-	-	-	-	-	-	-	-
MACHINISTS	5	-	-	-	5	-	-	-	-	-	-	27.5
SHEET METAL WORKERS	-	-	-	-	-	-	-	-	-	-	-	-
OTHER PRECISION METAL WORKERS	5	-	-	-	-	-	5	-	-	-	-	42.5
PRECISION TEXTILE, APPAREL, AND FURNISHINGS MACHINE WORKERS	7	-	-	-	-	-	-	7	-	-	-	52.5
PLANT AND SYSTEM OPERATORS	12	-	-	-	-	-	12	-	-	-	-	37.5
OTHER PRECISION PRODUCTION OCCUPATIONS	68	2	1	8	14	14	14	6	2	5	2	33.2

TABLE 221. OCCUPATION OF EMPLOYED PERSONS BY AGE, SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

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MINNESOTA	TOTAL, 16 YEARS AND OVER	16 AND 17 YEARS	18 AND 19 YEARS	20 TO 24 YEARS	25 TO 29 YEARS	30 TO 34 YEARS	35 TO 44 YEARS	45 TO 54 YEARS	55 TO 59 YEARS	60 TO 64 YEARS	65 YEARS AND OVER	MEDIAN AGE
SPANISH ORIGIN												
OPERATORS, FABRICATORS, AND LABORERS	857	16	75	155	92	93	206	139	58	23	-	34.9
MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS	673	12	51	136	71	68	148	118	48	21	-	34.9
MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION	319	2	32	69	37	32	51	37	38	21	-	33.0
METALWORKING AND PLASTIC WORKING MACHINE OPERATORS	11	-	-	2	6	-	3	-	-	-	-	27.9
PRINTING MACHINE OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-
TEXTILE, APPAREL, AND FURNISHINGS MACHINE OPERATORS	103	2	32	-	18	-	19	-	19	13	-	29.9
TEXTILE MACHINE OPERATORS	6	-	6	-	-	-	-	-	-	-	-	19.0
TEXTILE SEWING MACHINE OPERATORS	42	-	6	-	12	-	12	-	6	6	-	36.7
LAUNDERING AND DRYCLEANING MACHINE OPERATORS	34	-	8	-	6	-	5	-	8	7	-	38.0
OTHER SPECIFIED MACHINE OPERATORS	28	-	-	17	4	-	1	6	-	-	-	21.6
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS	177	-	-	50	9	32	28	31	19	8	-	34.6
OCCUPATION: MISCELLANEOUS MACHINE OPERATORS, N.E.C.	50	-	-	12	-	6	10	14	8	-	-	38.5
MACHINE OPERATORS, NOT SPECIFIED	127	-	-	38	9	26	18	17	11	8	-	33.2
INDUSTRY: MANUFACTURING	147	-	-	36	7	32	25	20	19	8	-	34.8
NONDURABLE GOODS	105	-	-	14	7	32	19	20	13	-	-	34.9
FOOD AND KINDRED PRODUCTS	53	-	-	14	-	15	7	12	5	-	-	34.2
TEXTILE MILL AND FINISHED TEXTILE PRODUCTS	-	-	-	-	-	-	-	-	-	-	-	-
PAPER AND ALLIED PRODUCTS	9	-	-	-	-	4	5	-	-	-	-	35.5
OTHER NONDURABLE GOODS	43	-	-	-	7	13	7	8	8	-	-	36.1
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG	42	-	-	22	-	-	6	-	6	8	-	24.8
METAL INDUSTRIES	10	-	-	10	-	-	-	-	-	-	-	22.0
MACHINERY, INCLUDING ELECTRICAL	-	-	-	-	-	-	-	-	-	-	-	-
TRANSPORTATION EQUIPMENT	-	-	-	-	-	-	-	-	-	-	-	-
OTHER DURABLE GOODS	32	-	-	12	-	-	6	-	6	8	-	38.3
NONMANUFACTURING INDUSTRIES	30	-	-	14	2	-	3	11	-	-	-	27.5
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	5	-	-	5	-	-	-	-	-	-	-	23.5
WHOLESALE AND RETAIL TRADE	5	-	-	-	-	-	-	5	-	-	-	47.5
ALL OTHER INDUSTRIES	20	-	-	9	2	-	3	6	-	-	-	27.5
FABRICATORS, ASSEMBLERS, AND HAND WORKING OCCUPATIONS	275	10	19	50	19	36	82	51	8	-	-	35.5
WELDERS AND CUTTERS	-	-	-	-	-	-	-	-	-	-	-	-
ASSEMBLERS	234	4	13	46	19	31	62	51	8	-	-	35.7
OTHER FABRICATORS AND HAND WORKING OCCUPATIONS	41	6	6	4	-	5	20	-	-	-	-	34.5
PRODUCTION INSPECTORS, TESTERS, SAMPLERS, AND WEIGHERS	79	-	-	17	15	-	15	30	2	-	-	40.3
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	24	-	-	8	8	-	8	-	-	-	-	27.5
MOTOR VEHICLE OPERATORS	16	-	-	8	8	-	-	-	-	-	-	25.0
TRUCK DRIVERS AND DRIVER-SALES WORKERS	-	-	-	-	-	-	-	-	-	-	-	-
BUS DRIVERS	16	-	-	8	8	-	-	-	-	-	-	25.0
RAIL AND WATER TRANSPORTATION OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-
MATERIAL MOVING EQUIPMENT OPERATORS	8	-	-	-	-	-	8	-	-	-	-	37.5
EXCAVATING, GRADING, AND DOZER MACHINE OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-
HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS	160	4	24	11	13	25	50	21	10	2	-	35.7
CONSTRUCTION LABORERS	-	-	-	-	-	-	-	-	-	-	-	-
FREIGHT, STOCK, AND MATERIAL HANDLERS	9	2	7	-	-	-	-	-	-	-	-	18.7
GARAGE AND SERVICE STATION RELATED OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-
HAND PACKERS AND PACKAGERS	44	-	2	7	-	11	22	-	-	2	-	35.7
OTHER SPECIFIED HANDLERS, EQUIPMENT CLEANERS, AND HELPERS	28	2	4	4	5	-	5	8	-	-	-	29.0
LABORERS, EXCEPT CONSTRUCTION	79	-	11	-	8	14	23	13	10	-	-	40.1
MANUFACTURING	61	-	11	-	8	14	17	1	10	-	-	34.1
NONDURABLE GOODS	18	-	-	-	-	14	3	1	-	-	-	33.2
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG.	43	-	11	-	8	-	14	-	10	-	-	40.9
METAL INDUSTRIES	10	-	-	-	-	-	-	-	10	-	-	57.5
NONMANUFACTURING INDUSTRIES	18	-	-	-	-	-	6	12	-	-	-	48.0
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	-	-	-	-	-	-	-	-	-	-	-	-
WHOLESALE AND RETAIL TRADE	-	-	-	-	-	-	-	-	-	-	-	-
ALL OTHER INDUSTRIES	18	-	-	-	-	-	6	12	-	-	-	48.0

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DULUTH-SUPERIOR, MN-WI SMSA	TOTAL, 16 YEARS AND OVER	16 AND 17 YEARS	18 AND 19 YEARS	20 TO 24 YEARS	25 TO 29 YEARS	30 TO 34 YEARS	35 TO 44 YEARS	45 TO 54 YEARS	55 TO 59 YEARS	60 TO 64 YEARS	65 YEARS AND OVER	MEDIAN AGE
TOTAL												
EMPLOYED MALES 16 YEARS AND OVER	62 717	2 025	2 712	8 701	9 569	8 678	11 349	10 440	5 115	2 857	1 271	34.8
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS	13 513	30	134	951	1 743	2 232	3 219	3 013	1 195	643	353	39.9
EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS	7 011	6	78	448	823	1 148	1 505	1 703	719	417	164	41.6
OFFICIALS AND ADMINISTRATORS, PUBLIC ADMINISTRATION	333	-	-	12	30	63	61	92	48	13	14	45.1
ADMINISTRATORS, EDUCATION AND RELATED FIELDS	255	-	6	10	8	21	91	79	22	14	4	44.2
MANAGERS, MEDICINE AND HEALTH	36	-	-	-	-	10	5	12	7	-	2	46.3
OTHER SPECIFIED MANAGERS	888	-	5	80	101	171	163	186	96	56	30	39.8
MANAGERS AND ADMINISTRATORS, N.E.C., SALARIED	3 370	6	48	219	346	509	778	853	320	213	78	42.3
MANUFACTURING	474	2	-	32	27	68	114	147	51	22	11	44.6
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	461	-	1	9	45	54	91	127	84	41	9	48.0
WHOLESALE AND RETAIL TRADE	1 064	-	34	137	139	145	247	233	56	39	34	37.9
ALL OTHER INDUSTRIES	1 371	4	13	41	135	242	326	346	129	111	24	43.0
MANAGERS AND ADMINISTRATORS, N.E.C., SELF-EMPLOYED	406	-	-	19	24	57	111	104	27	42	22	44.4
CONSTRUCTION	58	-	-	5	-	2	33	4	-	7	7	43.0
MANUFACTURING	26	-	-	-	-	-	20	6	-	-	-	42.5
WHOLESALE AND RETAIL TRADE	159	-	-	-	11	28	34	35	13	26	12	47.7
ALL OTHER INDUSTRIES	163	-	-	14	13	27	24	59	14	9	3	45.5
MANAGEMENT RELATED OCCUPATIONS	1 723	-	19	108	314	317	296	377	199	79	14	37.8
ACCOUNTANTS AND AUDITORS	536	-	-	39	113	119	92	115	32	20	6	34.9
BUYERS AND PURCHASING AGENTS	229	-	10	1	25	56	27	80	21	9	-	43.1
PROFESSIONAL SPECIALTY OCCUPATIONS	6 502	24	56	503	920	1 084	1 714	1 310	476	226	189	38.6
ENGINEERS, ARCHITECTS, AND SURVEYORS	1 092	-	2	76	149	184	260	249	97	63	12	40.7
ARCHITECTS	71	-	-	-	16	14	28	5	8	-	-	37.5
ENGINEERS	925	-	-	55	122	161	214	224	84	53	12	41.2
ELECTRICAL AND ELECTRONIC ENGINEERS	185	-	-	-	17	50	44	53	21	-	-	41.1
MECHANICAL ENGINEERS	146	-	-	10	19	26	28	26	18	19	-	41.9
OTHER ENGINEERS	594	-	-	45	86	85	142	145	45	34	12	41.1
SURVEYORS AND MAPPING SCIENTISTS	96	-	2	21	11	9	18	20	5	10	-	38.6
MATHEMATICAL AND COMPUTER SCIENTISTS	63	-	13	7	4	21	18	-	-	-	-	31.8
COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS	47	-	13	7	4	15	8	-	-	-	-	29.4
NATURAL SCIENTISTS	311	-	-	7	56	46	117	30	41	8	6	38.2
HEALTH DIAGNOSING OCCUPATIONS	646	-	-	-	72	126	166	138	77	28	39	42.0
PHYSICIANS	406	-	-	-	42	78	95	92	55	13	31	42.4
DENTISTS	179	-	-	-	28	33	63	33	11	3	8	40.9
OTHER HEALTH DIAGNOSING PRACTITIONERS	61	-	-	-	2	15	8	13	11	12	-	51.6
HEALTH ASSESSMENT AND TREATING OCCUPATIONS	270	-	-	7	74	80	45	45	6	7	6	33.4
REGISTERED NURSES	49	-	-	-	11	22	11	5	-	-	-	33.1
PHARMACISTS	118	-	-	7	15	26	25	31	6	2	6	37.2
THERAPISTS	83	-	-	-	40	26	5	7	-	5	-	30.3
TEACHERS, LIBRARIANS, AND COUNSELORS	2 372	-	8	203	259	323	756	599	123	77	24	39.5
TEACHERS, POSTSECONDARY	594	-	6	55	56	75	192	158	31	7	14	39.2
TEACHERS, ELEMENTARY AND PRE-KINDERGARTEN	763	-	2	54	83	126	266	181	43	8	-	39.1
TEACHERS, SECONDARY	742	-	-	38	58	88	236	222	41	56	3	42.6
SOCIAL SCIENTISTS AND URBAN PLANNERS	50	-	-	-	7	17	20	-	6	-	-	36.3
SOCIAL AND RECREATION WORKERS	310	-	-	56	52	79	53	49	15	6	-	33.0
RELIGIOUS WORKERS	347	-	-	5	41	38	104	105	32	2	20	44.1
LAWYERS AND JUDGES	364	-	-	-	71	62	63	50	52	17	49	42.6
WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES	677	24	33	142	135	108	112	45	27	18	33	30.2
TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS	9 931	257	493	1 251	1 611	1 551	1 791	1 490	840	419	228	34.4
TECHNICIANS AND RELATED SUPPORT OCCUPATIONS	1 718	5	29	276	359	350	347	173	134	43	2	32.7
HEALTH TECHNOLOGISTS AND TECHNICIANS	129	-	5	23	44	11	21	6	13	6	-	29.1
LICENSED PRACTICAL NURSES	5	-	-	-	-	-	-	-	5	-	-	57.5
ENGINEERING AND SCIENCE TECHNICIANS	995	-	19	159	191	193	214	121	79	17	2	33.3
ELECTRICAL AND ELECTRONIC TECHNICIANS	201	-	7	35	32	30	84	13	-	-	-	34.4
DRAFTING AND SURVEYING TECHNICIANS	467	-	-	83	91	103	89	32	59	8	2	32.9
TECHNICIANS, EXCEPT HEALTH, ENGINEERING, AND SCIENCE	594	5	5	94	124	146	112	46	42	20	-	32.4
AIRPLANE PILOTS AND NAVIGATORS	40	-	-	-	-	3	24	7	6	-	-	41.8
COMPUTER PROGRAMMERS	161	5	-	48	29	61	18	-	-	-	-	29.7
SALES OCCUPATIONS	4 671	196	283	567	647	644	884	638	444	225	143	35.0
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS	1 031	4	43	91	103	146	274	166	121	64	19	39.1
SELF-EMPLOYED	257	-	-	7	7	31	89	63	30	23	7	44.4
SALES REPRESENTATIVES, FINANCE AND BUSINESS SERVICES	976	6	6	67	121	137	215	163	122	83	56	40.7
SALES REPRESENTATIVES, COMMODITIES, EXCEPT RETAIL	911	-	6	47	192	186	155	178	99	33	15	36.5
SALES WORKERS, RETAIL AND PERSONAL SERVICES	1 748	186	228	362	231	175	240	126	102	45	53	27.1
CASHIERS	192	45	56	35	13	3	22	6	12	-	-	19.8
SALES RELATED OCCUPATIONS	5	-	-	-	-	-	-	5	-	-	-	52.5

TABLE 221. OCCUPATION OF EMPLOYED PERSONS BY AGE, SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

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DULUTH-SUPERIOR, MN-WI SMSA	TOTAL, 16 YEARS AND OVER	16 AND 17 YEARS	18 AND 19 YEARS	20 TO 24 YEARS	25 TO 29 YEARS	30 TO 34 YEARS	35 TO 44 YEARS	45 TO 54 YEARS	55 TO 59 YEARS	60 TO 64 YEARS	65 YEARS AND OVER	MEDIAN AGE
TOTAL												
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL	3 542	56	181	408	605	557	560	679	262	151	83	34.7
SUPERVISORS, ADMINISTRATIVE SUPPORT OCCUPATIONS	370	-	-	30	47	44	100	106	26	17	-	41.1
COMPUTER EQUIPMENT OPERATORS	91	-	-	13	19	20	11	22	6	-	-	33.4
SECRETARIES, STENOGRAPHERS, AND TYPISTS	36	-	-	-	2	9	2	12	-	11	-	52.1
SECRETARIES	13	-	-	-	-	-	2	-	-	11	-	62.0
RECEPTIONISTS	36	-	13	-	17	-	6	-	-	-	-	26.5
FILE CLERKS	30	6	-	17	-	-	-	7	-	-	-	21.6
FINANCIAL RECORDS PROCESSING OCCUPATIONS	300	2	17	36	56	30	31	59	29	10	30	36.8
BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS	209	2	10	23	36	27	25	40	24	-	22	36.3
TELEPHONE OPERATORS	19	-	6	-	11	2	-	-	-	-	-	26.6
MAIL AND MESSAGE DISTRIBUTING OCCUPATIONS	550	13	8	15	70	116	114	144	32	25	13	39.9
TRAFFIC, SHIPPING, STOCK AND INVENTORY CLERKS	628	20	60	102	139	67	65	81	71	21	2	29.7
INSURANCE ADJUSTERS, EXAMINERS, AND INVESTIGATORS	46	-	-	2	-	16	12	8	8	-	-	41.5
BANK TELLERS	7	3	2	-	-	2	-	-	-	-	-	18.5
DATA-ENTRY KEYERS	25	-	-	-	-	7	-	10	2	6	-	52.7
OTHER ADMINISTRATIVE SUPPORT OCCUPATIONS	1 404	12	75	193	244	244	219	230	88	61	38	33.6
SERVICE OCCUPATIONS	6 750	1 110	821	1 104	595	530	736	730	525	307	292	27.9
PRIVATE HOUSEHOLD OCCUPATIONS	36	11	5	-	-	3	7	-	-	-	10	33.3
PROTECTIVE SERVICE OCCUPATIONS	1 336	28	20	145	132	194	263	234	160	49	111	39.3
FIREFIGHTING OCCUPATIONS	218	4	-	3	26	37	46	75	27	-	-	42.3
POLICE AND DETECTIVES, PUBLIC SERVICE	368	-	-	33	47	88	122	42	32	2	2	35.9
GUARDS	488	24	20	89	42	7	46	64	53	47	96	47.5
OTHER PROTECTIVE SERVICE OCCUPATIONS	262	-	-	20	17	62	49	53	48	-	13	41.9
SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD	5 378	1 071	796	959	463	333	466	496	365	258	171	24.1
FOOD PREPARATION AND SERVICE OCCUPATIONS	2 059	680	473	389	138	51	118	128	28	22	32	19.5
WAITERS AND FOOD COUNTER WORKERS	86	25	12	30	7	-	-	12	-	-	-	20.9
COOKS	710	270	221	121	54	-	15	15	-	9	5	18.8
HEALTH SERVICE OCCUPATIONS	256	21	40	47	35	29	41	24	13	-	6	27.9
NURSING AIDES, ORDERLIES, AND ATTENDANTS	198	6	40	41	33	20	34	11	13	-	-	26.8
CLEANING AND BUILDING SERVICE OCCUPATIONS EXC. HOUSEHOLD	2 610	307	240	407	238	208	257	289	318	226	120	32.7
PERSONAL SERVICE OCCUPATIONS	453	63	43	116	52	45	50	55	6	10	13	25.4
BARBERS, HAIRDRESSERS AND COSMETOLOGISTS	138	-	-	23	7	15	31	37	6	6	13	42.8
FARMING, FORESTRY, AND FISHING OCCUPATIONS	939	28	92	139	128	47	85	175	71	89	85	40.1
FARM OPERATORS AND MANAGERS	320	-	-	22	25	30	40	63	37	60	43	52.3
FARM OCCUPATIONS, EXCEPT MANAGERIAL	120	21	42	30	-	-	4	13	-	5	5	19.9
RELATED AGRICULTURAL OCCUPATIONS	209	-	24	49	42	8	18	29	18	11	10	28.8
FORESTRY AND FISHING OCCUPATIONS	290	7	26	38	61	9	23	70	16	13	27	37.0
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS	15 580	94	240	2 131	2 639	2 373	3 007	2 820	1 322	837	117	35.9
MECHANICS AND REPAIRERS	6 794	68	108	1 090	1 350	1 097	1 209	1 078	473	297	24	33.6
AUTOMOBILE MECHANICS, INCLUDING BODY	1 406	14	48	272	263	213	250	199	75	65	7	32.5
AIRCRAFT MECHANICS	54	-	-	2	17	15	7	13	-	-	-	32.7
HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS	67	-	-	9	10	10	19	9	10	-	-	36.7
OTHER MECHANICS AND REPAIRERS	5 267	54	60	807	1 060	859	933	857	388	232	17	33.8
CONSTRUCTION TRADES	4 452	3	74	643	619	665	930	810	364	284	60	37.2
CARPENTERS	1 022	-	15	212	168	167	200	112	65	69	14	33.5
ELECTRICIANS	994	-	9	101	141	221	221	198	50	46	7	36.1
PAINTERS, CONSTRUCTION AND MAINTENANCE	229	-	19	40	23	21	27	24	33	23	19	37.3
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	575	3	6	99	73	61	106	104	47	58	18	38.2
OTHER CONSTRUCTION TRADES	1 632	-	25	191	214	195	376	372	169	88	2	39.6
EXTRACTIVE OCCUPATIONS	1 495	-	12	126	221	217	275	354	195	93	2	40.0
PRECISION PRODUCTION OCCUPATIONS	2 839	23	46	272	449	394	593	578	290	163	31	38.4
SUPERVISORS, PRODUCTION OCCUPATIONS, MANUFACTURING	942	-	5	49	119	134	221	220	123	64	7	42.5
PRECISION METALWORKING OCCUPATIONS	443	-	5	23	43	68	116	96	62	28	2	42.5
TOOL AND DIE MAKERS	792	-	16	103	172	100	162	141	59	35	4	35.2
MACHINISTS	45	-	-	2	11	18	3	4	-	7	-	32.6
SHEET METAL WORKERS	469	-	10	53	106	37	93	96	54	16	4	37.2
OTHER PRECISION METAL WORKERS	146	-	6	38	32	17	27	17	3	6	-	29.5
PRECISION TEXTILE, APPAREL, AND FURNISHINGS MACHINE WORKERS	132	-	-	10	23	28	39	24	2	6	-	35.9
PLANT AND SYSTEM OPERATORS	110	-	-	25	27	-	-	19	12	13	14	46.7
OTHER PRECISION PRODUCTION OCCUPATIONS	424	-	-	52	66	52	92	100	38	22	2	39.0
	571	23	25	43	65	108	118	98	58	29	4	36.3

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DULUTH-SUPERIOR, MN-WI SMSA	TOTAL, 16 YEARS AND OVER	16 AND 17 YEARS	18 AND 19 YEARS	20 TO 24 YEARS	25 TO 29 YEARS	30 TO 34 YEARS	35 TO 44 YEARS	45 TO 54 YEARS	55 TO 59 YEARS	60 TO 64 YEARS	65 YEARS AND OVER	MEDIAN AGE
TOTAL												
OPERATORS, FABRICATORS, AND LABORERS	16 004	506	932	3 125	2 853	1 945	2 511	2 212	1 162	562	196	31.5
MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS	4 652	51	164	847	843	690	840	604	353	198	62	33.1
MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION	2 635	51	122	530	355	382	492	360	226	74	43	33.4
METALWORKING AND PLASTIC WORKING MACHINE OPERATORS	441	-	18	48	102	81	107	42	25	10	8	33.2
PRINTING MACHINE OPERATORS	294	6	31	27	14	17	75	59	31	19	15	42.6
TEXTILE, APPAREL, AND FURNISHINGS MACHINE OPERATORS	78	16	11	15	4	-	-	22	5	5	-	24.4
TEXTILE MACHINE OPERATORS	21	-	6	15	-	-	-	-	-	-	-	22.9
TEXTILE SEWING MACHINE OPERATORS	4	-	-	-	4	-	-	-	-	-	-	27.5
LAUNDERING AND DRYCLEANING MACHINE OPERATORS	48	16	5	-	-	-	-	22	-	5	-	47.1
OTHER SPECIFIED MACHINE OPERATORS	1 082	19	45	220	142	169	206	107	122	38	14	33.4
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS	740	10	17	220	93	115	104	130	43	2	6	31.3
OCCUPATION:												
MISCELLANEOUS MACHINE OPERATORS, N.E.C.	188	-	5	59	29	29	21	35	8	2	-	30.2
MACHINE OPERATORS, NOT SPECIFIED	552	10	12	161	64	86	83	95	35	-	6	31.7
INDUSTRY:												
MANUFACTURING	466	4	2	182	46	59	59	79	29	-	6	29.9
NONDURABLE GOODS	193	1	-	85	13	22	20	39	13	-	-	29.0
FOOD AND KINDRED PRODUCTS	108	1	-	60	7	13	9	12	6	-	-	24.4
TEXTILE MILL AND FINISHED TEXTILE PRODUCTS	-	-	-	-	-	-	-	-	-	-	-	-
PAPER AND ALLIED PRODUCTS	11	-	-	3	2	-	6	-	-	-	-	35.4
OTHER NONDURABLE GOODS	74	-	-	22	4	9	5	27	7	-	-	38.3
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG	273	3	2	97	33	37	39	40	16	-	6	30.2
METAL INDUSTRIES	163	-	-	46	20	16	35	32	14	-	-	34.8
MACHINERY, INCLUDING ELECTRICAL	41	-	2	14	13	6	-	-	-	-	6	26.7
TRANSPORTATION EQUIPMENT	18	-	-	11	-	7	-	-	-	-	-	24.5
OTHER DURABLE GOODS	51	3	-	26	-	8	4	8	2	-	-	24.6
NONMANUFACTURING INDUSTRIES	274	6	15	38	47	56	45	51	14	2	-	32.8
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	152	-	10	16	31	24	32	23	14	2	-	34.0
WHOLESALE AND RETAIL TRADE	53	-	-	13	-	27	3	10	-	-	-	32.5
ALL OTHER INDUSTRIES	69	6	5	9	16	5	10	18	-	-	-	29.5
FABRICATORS, ASSEMBLERS, AND HAND WORKING OCCUPATIONS	1 776	-	33	279	427	290	297	207	112	116	15	32.6
WELDERS AND CUTTERS	1 401	-	12	187	343	264	279	155	92	54	15	33.0
ASSEMBLERS	313	-	21	85	75	23	14	50	18	27	-	28.4
OTHER FABRICATORS AND HAND WORKING OCCUPATIONS	62	-	-	7	9	3	4	2	2	35	-	60.6
PRODUCTION INSPECTORS, TESTERS, SAMPLERS, AND WEIGHERS	241	-	9	38	61	18	51	37	15	8	4	33.5
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	6 667	27	159	915	1 317	822	1 188	1 272	633	253	81	35.8
MOTOR VEHICLE OPERATORS	3 685	27	134	525	732	470	733	606	273	124	61	34.5
TRUCK DRIVERS AND DRIVER-SALES WORKERS	3 173	20	117	448	672	447	638	510	195	87	39	33.7
BUS DRIVERS	370	-	3	36	43	16	81	79	61	35	16	46.2
RAIL AND WATER TRANSPORTATION OCCUPATIONS	1 285	-	3	98	261	122	139	361	226	75	-	45.9
MATERIAL MOVING EQUIPMENT OPERATORS	1 697	-	22	292	324	230	316	305	134	54	20	34.6
EXCAVATING, GRADING, AND DOZER MACHINE OPERATORS	275	-	-	47	48	51	65	27	16	17	4	34.2
HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS	4 685	428	609	1 363	693	433	483	336	176	111	53	24.7
CONSTRUCTION LABORERS	663	13	39	160	127	73	86	94	43	18	10	29.7
FREIGHT, STOCK, AND MATERIAL HANDLERS	1 153	243	230	284	108	77	66	65	33	35	12	21.1
GARAGE AND SERVICE STATION RELATED OCCUPATIONS	420	86	145	82	28	21	35	11	3	-	9	19.7
HAND PACKERS AND PACKAGERS	119	13	5	52	16	10	8	15	-	-	-	22.0
OTHER SPECIFIED HANDLERS, EQUIPMENT CLEANERS, AND HELPERS	864	34	70	297	192	81	119	46	11	12	2	25.8
LABORERS, EXCEPT CONSTRUCTION	1 466	39	120	488	222	171	169	105	86	46	20	26.9
MANUFACTURING	349	4	4	146	59	39	38	20	25	6	8	26.7
NONDURABLE GOODS	91	-	4	41	11	7	-	8	12	-	8	25.2
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG	258	4	-	105	48	32	38	12	13	6	-	27.1
METAL INDUSTRIES	154	-	-	56	41	8	25	5	13	6	-	27.6
NONMANUFACTURING INDUSTRIES	1 117	35	116	342	163	132	131	85	61	40	12	27.0
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	305	4	11	76	87	44	15	32	29	-	7	28.5
WHOLESALE AND RETAIL TRADE	389	26	67	98	43	49	40	35	16	15	-	25.4
ALL OTHER INDUSTRIES	423	5	38	168	33	39	76	18	16	25	5	25.1

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TOTAL												
EMPLOYED FEMALES 16 YEARS AND OVER	43 208	1 555	2 948	7 519	6 173	4 811	7 790	6 208	3 008	2 060	1 136	33.5
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS	9 052	64	84	1 191	1 667	1 391	1 900	1 559	616	352	228	35.7
EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS	2 575	10	12	312	389	304	588	501	223	129	107	39.2
OFFICIALS AND ADMINISTRATORS, PUBLIC ADMINISTRATION	192	-	-	2	17	31	40	33	26	31	12	46.3
ADMINISTRATORS, EDUCATION AND RELATED FIELDS	68	-	-	-	20	6	24	1	10	7	-	37.4
MANAGERS, MEDICINE AND HEALTH	58	-	-	-	-	11	11	28	8	-	-	46.5
OTHER SPECIFIED MANAGERS	429	-	-	55	93	33	119	61	39	16	13	37.5
MANAGERS AND ADMINISTRATORS, N.E.C., SALARIED	952	10	12	129	125	112	220	208	55	41	40	38.8
MANUFACTURING	59	-	-	13	21	-	14	8	3	-	-	28.9
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	-	-	-	-	-	-	-	-	-	-	-	-
WHOLESALE AND RETAIL TRADE	338	10	10	69	35	48	71	64	12	6	13	34.7
ALL OTHER INDUSTRIES	555	-	2	47	69	64	135	136	40	35	27	41.7
MANAGERS AND ADMINISTRATORS, N.E.C., SELF-EMPLOYED	149	-	-	-	15	20	17	38	27	19	13	48.6
CONSTRUCTION	-	-	-	-	-	-	-	-	-	-	-	-
MANUFACTURING	9	-	-	-	-	7	-	-	2	-	-	33.2
WHOLESALE AND RETAIL TRADE	81	-	-	-	6	13	4	19	13	13	13	53.1
ALL OTHER INDUSTRIES	59	-	-	-	9	-	13	19	12	6	-	47.3
MANAGEMENT RELATED OCCUPATIONS	727	-	-	126	119	91	157	132	58	15	29	36.5
ACCOUNTANTS AND AUDITORS	269	-	-	55	45	39	54	27	30	-	19	34.4
BUYERS AND PURCHASING AGENTS	104	-	-	39	17	17	19	3	7	2	-	28.8
PROFESSIONAL SPECIALTY OCCUPATIONS	6 477	54	72	879	1 278	1 087	1 312	1 058	393	223	121	34.4
ENGINEERS, ARCHITECTS, AND SURVEYORS	16	-	-	9	7	-	-	-	-	-	-	24.7
ARCHITECTS	7	-	-	-	7	-	-	-	-	-	-	27.5
ENGINEERS	9	-	-	9	-	-	-	-	-	-	-	23.5
ELECTRICAL AND ELECTRONIC ENGINEERS	-	-	-	-	-	-	-	-	-	-	-	-
MECHANICAL ENGINEERS	-	-	-	-	-	-	-	-	-	-	-	-
OTHER ENGINEERS	9	-	-	9	-	-	-	-	-	-	-	23.5
SURVEYORS AND MAPPING SCIENTISTS	-	-	-	-	-	-	-	-	-	-	-	-
MATHEMATICAL AND COMPUTER SCIENTISTS	21	-	-	4	13	-	4	-	-	-	-	27.5
COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS	6	-	-	-	6	-	-	-	-	-	-	27.5
NATURAL SCIENTISTS	56	-	-	21	12	4	13	-	-	6	-	27.9
HEALTH DIAGNOSING OCCUPATIONS	43	-	-	5	18	10	6	4	-	-	-	29.6
PHYSICIANS	23	-	-	5	2	10	6	-	-	-	-	32.2
DENTISTS	14	-	-	-	14	-	-	-	-	-	-	27.5
OTHER HEALTH DIAGNOSING PRACTITIONERS	6	-	-	-	2	-	-	4	-	-	-	46.3
HEALTH ASSESSMENT AND TREATING OCCUPATIONS	1 907	-	7	276	475	247	331	330	149	64	28	34.0
REGISTERED NURSES	1 606	-	7	213	357	226	279	325	122	49	28	35.0
PHARMACISTS	35	-	-	3	16	3	6	2	3	2	-	29.5
THERAPISTS	179	-	-	37	79	14	31	-	7	11	-	28.3
TEACHERS, LIBRARIANS, AND COUNSELORS	3 297	34	27	338	512	708	768	573	178	113	46	35.3
TEACHERS, POSTSECONDARY	276	-	-	66	18	37	76	56	17	-	6	36.3
TEACHERS, ELEMENTARY AND PRE-KINDERGARTEN	1 624	-	10	96	283	397	405	238	96	85	14	35.6
TEACHERS, SECONDARY	841	-	2	79	136	183	188	210	30	6	7	36.1
SOCIAL SCIENTISTS AND URBAN PLANNERS	66	-	-	7	5	14	27	9	2	2	-	36.9
SOCIAL AND RECREATION WORKERS	519	-	11	85	129	59	89	72	24	30	20	32.9
RELIGIOUS WORKERS	58	-	-	-	6	8	8	6	17	-	13	55.3
LAWYERS AND JUDGES	25	-	-	6	6	-	6	7	-	-	-	35.4
WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES	469	20	27	128	95	37	60	57	23	8	14	28.1
TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS	19 046	497	1 334	3 627	2 706	2 103	3 476	2 690	1 275	858	480	33.2
TECHNICIANS AND RELATED SUPPORT OCCUPATIONS	1 856	-	32	442	477	282	300	169	69	84	1	29.8
HEALTH TECHNOLOGISTS AND TECHNICIANS	1 460	-	15	369	343	243	246	127	54	62	1	30.1
LICENSED PRACTICAL NURSES	881	-	15	215	202	142	140	80	41	45	1	30.3
ENGINEERING AND SCIENCE TECHNICIANS	244	-	10	42	103	14	45	15	15	-	-	28.4
ELECTRICAL AND ELECTRONIC TECHNICIANS	25	-	-	-	18	-	-	-	7	-	-	28.5
DRAFTING AND SURVEYING TECHNICIANS	42	-	-	10	24	-	-	8	-	-	-	27.3
TECHNICIANS, EXCEPT HEALTH, ENGINEERING, AND SCIENCE	152	-	7	31	31	25	9	27	-	22	-	31.4
AIRPLANE PILOTS AND NAVIGATORS	-	-	-	-	-	-	-	-	-	-	-	-
COMPUTER PROGRAMMERS	25	-	-	-	14	-	6	5	-	-	-	29.5
SALES OCCUPATIONS	5 267	330	666	793	418	506	961	733	394	271	195	34.2
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS	366	6	12	36	25	47	74	53	77	9	27	43.0
SELF-EMPLOYED	108	-	-	3	-	22	26	18	14	5	20	46.7
SALES REPRESENTATIVES, FINANCE AND BUSINESS SERVICES	436	9	28	40	51	57	148	53	30	18	2	36.8
SALES REPRESENTATIVES, COMMODITIES, EXCEPT RETAIL	89	-	-	32	28	8	7	8	-	6	-	27.2
SALES WORKERS, RETAIL AND PERSONAL SERVICES	4 354	315	626	685	312	394	721	610	287	238	166	33.0
CASHIERS	1 514	118	247	276	152	131	220	243	52	48	27	28.8
SALES RELATED OCCUPATIONS	22	-	-	-	2	-	11	9	-	-	-	43.9

TABLE 221. OCCUPATION OF EMPLOYED PERSONS BY AGE, 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]

DULUTH-SUPERIOR, MN-WI SMSA	TOTAL, 16 YEARS AND OVER	16 AND 17 YEARS	18 AND 19 YEARS	20 TO 24 YEARS	25 TO 29 YEARS	30 TO 34 YEARS	35 TO 44 YEARS	45 TO 54 YEARS	55 TO 59 YEARS	60 TO 64 YEARS	65 YEARS AND OVER	MEDIAN AGE
TOTAL												
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL	11 923	167	636	2 392	1 811	1 315	2 215	1 788	812	503	284	33.6
SUPERVISORS, ADMINISTRATIVE SUPPORT OCCUPATIONS	323	-	-	21	43	55	54	55	64	23	8	43.5
COMPUTER EQUIPMENT OPERATORS	164	-	-	67	46	28	8	10	5	-	-	26.6
SECRETARIES, STENOGRAPHERS, AND TYPISTS	4 030	46	167	868	624	378	740	696	230	171	110	34.1
SECRETARIES	3 464	34	139	753	548	345	657	602	190	122	74	33.7
RECEPTIONISTS	568	-	45	160	102	53	90	41	14	31	32	28.9
FILE CLERKS	89	7	34	10	9	-	18	11	-	-	-	23.0
FINANCIAL RECORDS PROCESSING OCCUPATIONS	2 178	21	46	355	290	281	508	352	179	90	56	37.1
BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS	1 869	21	40	260	235	228	485	309	158	84	49	38.6
TELEPHONE OPERATORS	245	2	11	36	36	27	23	59	23	6	22	38.8
MAIL AND MESSAGE DISTRIBUTING OCCUPATIONS	249	2	2	20	45	44	51	46	32	7	-	37.4
TRAFFIC, SHIPPING, STOCK AND INVENTORY CLERKS	277	12	38	30	48	14	66	26	16	27	-	33.8
INSURANCE ADJUSTERS, EXAMINERS, AND INVESTIGATORS	35	-	6	-	16	-	5	8	-	-	-	28.6
BANK TELLERS	492	-	18	121	114	84	74	55	14	7	5	29.7
DATA-ENTRY KEYERS	170	-	-	37	30	33	46	13	3	8	-	32.7
OTHER ADMINISTRATIVE SUPPORT OCCUPATIONS	3 103	77	269	667	408	318	532	416	232	133	51	32.1
SERVICE OCCUPATIONS	11 199	924	1 313	1 918	1 252	977	1 636	1 282	858	683	356	31.0
PRIVATE HOUSEHOLD OCCUPATIONS	372	31	44	83	25	10	23	9	59	36	52	31.5
PROTECTIVE SERVICE OCCUPATIONS	117	3	11	18	8	27	9	18	9	-	14	33.4
FIREFIGHTING OCCUPATIONS	10	3	-	2	-	-	5	-	-	-	-	32.0
POLICE AND DETECTIVES, PUBLIC SERVICE	7	-	-	-	-	7	-	-	-	-	-	32.5
GUARDS	78	-	11	16	-	18	-	18	9	-	6	33.3
OTHER PROTECTIVE SERVICE OCCUPATIONS	22	-	-	-	8	2	4	-	-	-	8	36.3
SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD	10 710	890	1 258	1 817	1 219	940	1 604	1 255	790	647	290	30.9
FOOD PREPARATION AND SERVICE OCCUPATIONS	5 042	715	904	909	434	259	575	531	356	260	99	25.0
WAITERS AND FOOD COUNTER WORKERS	2 446	450	584	553	224	125	220	150	59	44	37	21.3
COOKS	1 143	103	175	160	35	62	137	207	157	84	23	38.2
HEALTH SERVICE OCCUPATIONS	2 270	41	148	444	360	189	381	353	175	117	62	33.8
NURSING AIDES, ORDERLIES, AND ATTENDANTS	1 756	21	120	320	255	144	335	273	145	99	44	35.5
CLEANING AND BUILDING SERVICE OCCUPATIONS EXC. HOUSEHOLD	1 456	103	112	173	117	159	236	145	131	187	93	38.4
PERSONAL SERVICE OCCUPATIONS	1 942	31	94	291	308	333	412	226	128	83	36	33.7
BARBERS, HAIRDRESSERS AND COSMETOLOGISTS	581	-	12	108	92	157	101	39	23	29	20	32.5
FARMING, FORESTRY, AND FISHING OCCUPATIONS	192	13	11	35	24	18	37	38	8	2	6	33.6
FARM OPERATORS AND MANAGERS	63	-	5	-	10	10	6	18	8	-	6	45.3
FARM OCCUPATIONS, EXCEPT MANAGERIAL	71	13	6	18	2	2	13	15	-	2	-	21.8
RELATED AGRICULTURAL OCCUPATIONS	34	-	-	-	8	4	17	5	-	-	-	36.5
FORESTRY AND FISHING OCCUPATIONS	24	-	-	17	4	2	1	-	-	-	-	21.8
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS	707	16	29	122	90	74	146	88	57	70	15	36.5
MECHANICS AND REPAIRERS	129	6	-	32	28	30	18	4	2	6	3	29.7
AUTOMOBILE MECHANICS, INCLUDING BODY	16	-	-	9	7	-	-	-	-	-	-	24.0
AIRCRAFT MECHANICS	-	-	-	-	-	-	-	-	-	-	-	-
HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS	-	-	-	-	-	-	-	-	-	-	-	-
OTHER MECHANICS AND REPAIRERS	113	6	-	23	21	30	18	4	2	6	3	31.1
CONSTRUCTION TRADES	80	-	10	23	18	10	16	3	-	-	-	26.9
CARPENTERS	16	-	3	-	8	-	2	3	-	-	-	28.1
ELECTRICIANS	18	-	-	8	2	8	-	-	-	-	-	27.5
PAINTERS, CONSTRUCTION AND MAINTENANCE	20	-	7	10	-	-	3	-	-	-	-	20.6
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	-	-	-	-	-	-	-	-	-	-	-	-
OTHER CONSTRUCTION TRADES	26	-	-	5	8	2	11	-	-	-	-	30.0
EXTRACTIVE OCCUPATIONS	18	-	-	4	-	-	12	2	-	-	-	42.1
PRECISION PRODUCTION OCCUPATIONS	480	10	19	63	44	34	100	79	55	64	12	41.8
SUPERVISORS, PRODUCTION OCCUPATIONS	133	-	-	21	13	6	18	33	21	21	-	46.8
MANUFACTURING	85	-	-	9	9	6	13	23	8	17	-	46.3
PRECISION METALWORKING OCCUPATIONS	23	5	-	6	5	-	-	1	-	6	-	25.5
TOOL AND DIE MAKERS	-	-	-	-	-	-	-	-	-	-	-	-
MACHINISTS	6	-	-	-	-	-	-	-	-	6	-	62.5
SHEET METAL WORKERS	-	-	-	-	-	-	-	-	-	-	-	-
OTHER PRECISION METAL WORKERS	17	5	-	6	5	-	-	1	-	-	-	23.7
PRECISION TEXTILE, APPAREL, AND FURNISHINGS MACHINE WORKERS	118	-	2	6	7	3	34	29	9	22	6	46.8
PLANT AND SYSTEM OPERATORS	7	-	-	-	2	-	5	-	-	-	-	41.5
OTHER PRECISION PRODUCTION OCCUPATIONS	199	5	17	30	17	25	43	16	25	15	6	36.3

TABLE 221. OCCUPATION OF EMPLOYED PERSONS BY AGE, SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

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DULUTH-SUPERIOR, MN-WI SMSA	TOTAL, 16 YEARS AND OVER	16 AND 17 YEARS	18 AND 19 YEARS	20 TO 24 YEARS	25 TO 29 YEARS	30 TO 34 YEARS	35 TO 44 YEARS	45 TO 54 YEARS	55 TO 59 YEARS	60 TO 64 YEARS	65 YEARS AND OVER	MEDIAN AGE
TOTAL												
OPERATORS, FABRICATORS, AND LABORERS	3 012	41	177	626	434	248	595	551	194	95	51	34.6
MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS	1 647	4	101	321	240	139	288	340	98	73	43	35.6
MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION	1 321	4	87	259	185	116	246	263	70	55	36	35.4
METALWORKING AND PLASTIC WORKING MACHINE OPERATORS	42	4	5	4	-	7	22	-	-	-	-	35.3
PRINTING MACHINE OPERATORS	135	-	-	44	32	24	17	13	5	-	-	28.7
TEXTILE, APPAREL, AND FURNISHINGS MACHINE OPERATORS	537	-	32	66	39	37	95	170	46	31	21	45.0
TEXTILE MACHINE OPERATORS	19	-	-	-	2	-	5	6	-	6	-	52.1
TEXTILE SEWING MACHINE OPERATORS	231	-	9	38	11	9	48	55	32	14	15	45.1
LAUNDERING AND DRYCLEANING MACHINE OPERATORS	231	-	13	28	26	14	32	96	11	5	6	45.5
OTHER SPECIFIED MACHINE OPERATORS	278	-	18	64	40	26	73	32	8	17	-	33.3
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS	329	-	32	81	74	22	39	48	11	7	15	28.5
OCCUPATION:												
MISCELLANEOUS MACHINE OPERATORS, N.E.C.	115	-	8	27	8	1	26	16	7	7	15	41.1
MACHINE OPERATORS, NOT SPECIFIED	214	-	24	54	66	21	13	32	4	-	-	27.2
INDUSTRY:												
MANUFACTURING	224	-	24	55	66	13	16	34	9	7	-	27.5
NONDURABLE GOODS	168	-	24	42	39	11	9	27	9	7	-	27.3
FOOD AND KINDRED PRODUCTS	135	-	8	36	33	8	7	27	9	7	-	28.6
TEXTILE MILL AND FINISHED TEXTILE PRODUCTS	14	-	2	6	6	-	-	-	-	-	-	24.5
PAPER AND ALLIED PRODUCTS	5	-	-	-	-	3	2	-	-	-	-	34.2
OTHER NONDURABLE GOODS	14	-	14	-	-	-	-	-	-	-	-	19.0
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG	56	-	-	13	27	2	7	7	-	-	-	27.8
METAL INDUSTRIES	15	-	-	7	-	-	3	5	-	-	-	40.8
MACHINERY, INCLUDING ELECTRICAL	30	-	-	6	24	-	-	-	-	-	-	26.9
TRANSPORTATION EQUIPMENT	-	-	-	-	-	-	-	-	-	-	-	-
OTHER DURABLE GOODS	11	-	-	-	3	2	4	2	-	-	-	40.6
NONMANUFACTURING INDUSTRIES	105	-	8	26	8	9	23	14	2	-	15	35.6
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	2	-	-	2	-	-	-	-	-	-	-	23.5
WHOLESALE AND RETAIL TRADE	65	-	-	16	8	9	7	8	2	-	15	34.7
ALL OTHER INDUSTRIES	38	-	8	8	-	-	16	6	-	-	-	36.9
FABRICATORS, ASSEMBLERS, AND HAND WORKING OCCUPATIONS	221	-	14	50	14	21	31	57	21	6	7	38.2
WELDERS AND CUTTERS	7	-	-	-	-	4	-	3	-	-	-	34.4
ASSEMBLERS	171	-	14	44	14	10	20	35	21	6	7	36.5
OTHER FABRICATORS AND HAND WORKING OCCUPATIONS	43	-	-	6	-	7	11	19	-	-	-	42.5
PRODUCTION INSPECTORS, TESTERS, SAMPLERS, AND WEIGHERS	105	-	-	12	41	2	11	20	7	12	-	29.9
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	465	-	6	74	101	43	150	68	17	6	-	35.5
MOTOR VEHICLE OPERATORS	345	-	6	54	72	38	115	49	11	-	-	35.2
TRUCK DRIVERS AND DRIVER-SALES WORKERS	93	-	2	34	20	6	16	9	6	-	-	27.6
BUS DRIVERS	207	-	4	8	33	23	99	35	5	-	-	37.9
RAIL AND WATER TRANSPORTATION OCCUPATIONS	26	-	-	2	8	2	8	-	-	6	-	40.6
MATERIAL MOVING EQUIPMENT OPERATORS	94	-	-	18	21	3	27	19	6	-	-	36.3
EXCAVATING, GRADING, AND DOZER MACHINE OPERATORS	6	-	-	-	-	-	-	-	6	-	-	57.5
HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS	900	37	70	231	93	66	157	143	79	16	8	31.4
CONSTRUCTION LABORERS	36	-	-	11	9	2	14	-	-	-	-	28.9
FREIGHT, STOCK, AND MATERIAL HANDLERS	213	9	26	33	8	23	38	34	33	9	-	40.5
GARAGE AND SERVICE STATION RELATED OCCUPATIONS	61	10	10	20	4	-	4	5	6	2	-	23.6
HAND PACKERS AND PACKAGERS	238	18	2	47	13	16	53	57	25	5	2	41.3
OTHER SPECIFIED HANDLERS, EQUIPMENT CLEANERS, AND HELPERS	178	-	27	68	35	14	19	15	-	-	-	24.5
LABORERS, EXCEPT CONSTRUCTION	174	-	5	52	24	11	29	32	15	-	6	32.7
MANUFACTURING	75	-	-	10	8	5	23	15	8	-	6	41.1
NONDURABLE GOODS	50	-	-	-	4	2	21	9	8	-	6	43.9
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG	25	-	-	10	4	3	2	6	-	-	-	28.1
METAL INDUSTRIES	13	-	-	6	4	3	-	-	-	-	-	25.6
NONMANUFACTURING INDUSTRIES	99	-	5	42	16	6	6	17	7	-	-	25.8
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	18	-	5	8	-	-	-	5	-	-	-	23.5
WHOLESALE AND RETAIL TRADE	32	-	-	14	3	-	2	6	7	-	-	28.3
ALL OTHER INDUSTRIES	49	-	-	20	13	6	4	6	-	-	-	26.7

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MINNEAPOLIS-ST. PAUL, MN-WI SMSA	TOTAL, 16 YEARS AND OVER	16 AND 17 YEARS	18 AND 19 YEARS	20 TO 24 YEARS	25 TO 29 YEARS	30 TO 34 YEARS	35 TO 44 YEARS	45 TO 54 YEARS	55 TO 59 YEARS	60 TO 64 YEARS	65 YEARS AND OVER	MEDIAN AGE
TOTAL												
EMPLOYED MALES 16 YEARS AND OVER	591 983	20 634	26 157	84 184	91 580	84 474	117 576	90 758	39 019	23 436	14 165	34.3
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS	169 028	257	954	11 508	25 434	30 615	44 983	32 248	12 276	6 831	3 922	38.1
EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS	93 721	152	651	5 924	12 281	16 022	25 306	19 470	7 566	4 439	1 910	39.1
OFFICIALS AND ADMINISTRATORS, PUBLIC ADMINISTRATION	1 782	-	6	23	164	285	487	532	164	97	24	43.5
ADMINISTRATORS, EDUCATION AND RELATED FIELDS	1 989	-	15	7	107	278	571	699	231	66	15	45.2
MANAGERS, MEDICINE AND HEALTH	457	-	6	12	46	106	143	75	42	10	17	38.4
OTHER SPECIFIED MANAGERS	16 619	-	34	698	1 999	3 206	5 040	3 381	1 273	646	342	38.9
MANAGERS AND ADMINISTRATORS, N.E.C., *SALARIED*	48 249	116	521	2 957	5 463	7 326	13 555	10 731	4 202	2 389	989	40.2
MANUFACTURING	16 315	6	34	448	1 273	2 304	5 590	4 167	1 488	780	225	42.3
TRANSPORTATION, COMMUNICATIONS, AND *OTHER PUBLIC UTILITIES*	3 515	-	-	90	264	527	953	1 061	402	184	34	44.1
WHOLESALE AND RETAIL TRADE	12 598	71	313	1 485	2 071	1 917	2 891	2 041	869	614	326	36.3
ALL OTHER INDUSTRIES	15 821	39	174	934	1 855	2 578	4 121	3 462	1 443	811	404	39.8
MANAGERS AND ADMINISTRATORS, N.E.C., SELF-EMPLOYED	2 891	8	13	126	366	455	696	607	331	182	107	41.9
CONSTRUCTION	538	-	9	42	95	109	122	80	50	22	9	36.2
MANUFACTURING	447	-	-	7	39	74	132	88	43	36	28	42.9
WHOLESALE AND RETAIL TRADE	999	-	4	40	91	168	231	274	107	62	22	43.5
ALL OTHER INDUSTRIES	907	8	-	37	141	104	211	165	131	62	48	42.8
MANAGEMENT RELATED OCCUPATIONS	21 734	28	56	2 101	4 136	4 366	4 814	3 445	1 323	1 049	416	35.3
ACCOUNTANTS AND AUDITORS	9 617	-	23	1 331	2 078	1 987	1 907	1 193	540	404	154	33.5
BUYERS AND PURCHASING AGENTS	3 437	15	2	231	750	614	768	569	227	208	53	36.3
PROFESSIONAL SPECIALTY OCCUPATIONS	75 307	105	303	5 584	13 153	14 593	19 677	12 778	4 710	2 392	2 012	36.7
ENGINEERS, ARCHITECTS, AND SURVEYORS	18 324	4	12	1 427	2 967	3 328	4 895	3 371	1 443	642	235	37.6
ARCHITECTS	1 555	-	6	81	277	372	407	270	69	42	31	35.9
ENGINEERS	16 437	4	6	1 289	2 613	2 886	4 436	3 048	1 355	596	204	37.9
ELECTRICAL AND ELECTRONIC ENGINEERS	4 222	-	-	516	732	731	1 192	689	265	76	21	35.9
MECHANICAL ENGINEERS	2 663	-	-	139	387	549	734	534	201	77	42	38.3
OTHER ENGINEERS	9 552	4	6	634	1 494	1 606	2 510	1 825	889	443	141	38.8
SURVEYORS AND MAPPING SCIENTISTS	332	-	-	57	77	70	52	53	19	4	-	32.3
MATHEMATICAL AND COMPUTER SCIENTISTS	3 915	-	4	278	709	1 110	1 206	470	79	37	22	34.4
COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS	2 904	-	4	205	562	808	932	332	36	20	5	34.2
NATURAL SCIENTISTS	2 558	7	6	218	565	566	525	385	188	41	57	34.3
HEALTH DIAGNOSING OCCUPATIONS	6 115	-	-	51	962	1 115	1 442	1 271	589	300	385	40.8
PHYSICIANS	4 031	-	-	40	629	764	1 014	799	343	185	257	40.0
DENTISTS	1 361	-	-	-	203	191	308	332	161	73	93	44.1
OTHER HEALTH DIAGNOSING PRACTITIONERS	723	-	-	11	130	160	120	140	85	42	35	39.9
HEALTH ASSESSMENT AND TREATING OCCUPATIONS	2 604	-	-	260	813	569	417	355	69	58	63	32.0
REGISTERED NURSES	694	-	-	54	236	226	99	50	7	18	4	31.3
PHARMACISTS	1 006	-	-	58	215	181	219	220	34	32	47	37.3
THERAPISTS	574	-	-	63	196	126	76	78	21	8	6	31.1
TEACHERS, LIBRARIANS, AND COUNSELORS	18 659	24	121	1 224	2 592	3 411	5 960	3 476	1 026	498	327	37.9
TEACHERS, POSTSECONDARY	4 249	-	22	383	594	639	1 219	791	283	174	144	38.8
TEACHERS, ELEMENTARY AND *PRE-KINDERGARTEN*	6 570	6	5	229	875	1 444	2 274	1 273	283	105	76	37.8
TEACHERS, SECONDARY	4 619	11	29	246	579	817	1 675	894	262	89	17	38.3
SOCIAL SCIENTISTS AND URBAN PLANNERS	2 042	-	-	91	348	432	644	352	87	58	30	36.9
SOCIAL AND RECREATION WORKERS	2 228	11	29	201	526	464	561	288	69	35	44	33.7
RELIGIOUS WORKERS	2 713	-	8	165	393	444	601	452	235	190	225	40.0
LAWYERS AND JUDGES	5 881	-	-	163	1 070	1 495	1 336	913	331	195	378	36.2
WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES	10 268	59	123	1 506	2 208	1 659	2 090	1 445	594	338	246	33.7
TECHNICAL, SALES, AND ADMINISTRATIVE *SUPPORT OCCUPATIONS*	132 925	2 982	5 361	19 441	22 561	19 869	26 276	18 819	8 725	5 011	3 880	34.1
TECHNICIANS AND RELATED SUPPORT OCCUPATIONS	26 670	76	484	4 596	5 863	4 960	6 411	2 781	959	390	150	32.3
HEALTH TECHNOLOGISTS AND TECHNICIANS	1 302	3	63	242	304	237	249	138	28	36	2	30.8
LICENSED PRACTICAL NURSES	64	-	-	13	14	12	23	-	-	2	-	32.1
ENGINEERING AND SCIENCE TECHNICIANS	13 900	52	285	2 836	3 080	2 388	2 784	1 558	530	266	121	31.5
ELECTRICAL AND ELECTRONIC TECHNICIANS	5 057	23	102	1 051	1 152	1 046	983	512	151	25	12	31.0
DRAFTING AND SURVEYING TECHNICIANS	4 316	23	124	910	1 002	712	832	426	112	114	61	30.7
TECHNICIANS, EXCEPT HEALTH, ENGINEERING, AND SCIENCE	11 468	21	136	1 518	2 479	2 335	3 378	1 085	401	88	27	33.4
AIRPLANE PILOTS AND NAVIGATORS	1 467	-	5	27	118	239	784	213	71	10	-	39.1
COMPUTER PROGRAMMERS	5 311	13	88	858	1 398	1 260	1 294	352	27	14	7	31.2
SALES OCCUPATIONS	60 734	2 005	2 514	6 873	8 931	8 822	12 331	9 452	4 346	2 868	2 592	35.9
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS	9 069	41	198	1 014	1 491	1 659	1 919	1 341	720	378	308	35.6
SELF-EMPLOYED	1 531	-	21	61	138	205	331	331	223	82	139	45.3
SALES REPRESENTATIVES, FINANCE AND BUSINESS SERVICES	16 577	54	28	1 067	2 387	2 699	4 126	3 300	1 243	851	822	39.5
SALES REPRESENTATIVES, COMMODITIES, EXCEPT RETAIL	16 427	39	94	1 189	2 609	2 561	4 012	3 084	1 446	831	562	38.6
SALES WORKERS, RETAIL AND PERSONAL SERVICES	18 535	1 861	2 188	3 599	2 422	1 892	2 261	1 700	927	787	898	28.3
CASHIERS	2 453	534	557	591	253	105	129	76	55	50	103	20.8
SALES RELATED OCCUPATIONS	126	10	6	4	22	11	13	27	10	21	2	39.5

TABLE 221. OCCUPATION OF EMPLOYED PERSONS BY AGE, SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

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MINNEAPOLIS-ST. PAUL, MN-WI SMSA	TOTAL, 16 YEARS AND OVER	16 AND 17 YEARS	18 AND 19 YEARS	20 TO 24 YEARS	25 TO 29 YEARS	30 TO 34 YEARS	35 TO 44 YEARS	45 TO 54 YEARS	55 TO 59 YEARS	60 TO 64 YEARS	65 YEARS AND OVER	MEDIAN AGE
TOTAL												
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL	45 521	901	2 363	7 972	7 767	6 087	7 534	6 586	3 420	1 753	1 138	33.1
SUPERVISORS, ADMINISTRATIVE SUPPORT OCCUPATIONS	5 216	12	22	374	658	952	1 339	1 229	410	142	78	38.8
COMPUTER EQUIPMENT OPERATORS	2 207	30	118	628	525	375	352	126	43	10	-	28.1
SECRETARIES, STENOGRAPHERS, AND TYPISTS	946	42	43	171	171	113	112	122	63	58	51	32.0
SECRETARIES	511	32	29	112	107	37	34	42	39	39	40	28.9
RECEPTIONISTS	333	12	25	148	50	21	30	13	14	-	20	24.4
FILE CLERKS	664	43	114	154	101	55	59	83	39	5	11	26.0
FINANCIAL RECORDS PROCESSING OCCUPATIONS	3 347	24	124	666	575	394	510	476	259	175	144	33.6
BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS	2 403	17	83	474	389	283	358	357	188	120	134	34.2
TELEPHONE OPERATORS	344	-	48	107	64	51	36	14	24	-	-	26.3
MAIL AND MESSAGE DISTRIBUTING OCCUPATIONS	6 165	105	202	786	924	735	948	1 294	729	259	183	39.1
TRAFFIC, SHIPPING, STOCK AND INVENTORY CLERKS	9 848	371	945	2 161	1 647	1 134	1 395	986	581	424	204	29.4
INSURANCE ADJUSTERS, EXAMINERS, AND INVESTIGATORS	1 013	-	-	169	205	197	192	144	68	38	-	33.4
BANK TELLERS	369	-	43	155	100	26	18	14	-	-	13	24.3
DATA-ENTRY KEYERS	462	7	43	143	108	52	49	26	27	7	-	26.8
OTHER ADMINISTRATIVE SUPPORT OCCUPATIONS	14 607	255	636	2 310	2 639	1 982	2 494	2 059	1 163	635	434	33.7
SERVICE OCCUPATIONS	55 887	9 224	6 053	10 261	6 828	4 780	5 715	5 358	3 130	2 336	2 202	26.8
PRIVATE HOUSEHOLD OCCUPATIONS	146	40	8	9	15	22	-	6	24	7	15	30.2
PROTECTIVE SERVICE OCCUPATIONS	9 186	69	272	1 122	1 382	1 637	1 896	1 522	528	347	411	35.5
FIREFIGHTING OCCUPATIONS	925	-	-	30	133	188	221	256	55	27	15	40.2
POLICE AND DETECTIVES, PUBLIC SERVICE	3 042	-	-	194	596	744	878	473	125	23	9	34.9
GUARDS	3 514	69	272	787	351	380	389	397	275	243	351	33.7
OTHER PROTECTIVE SERVICE OCCUPATIONS	1 705	-	-	111	302	325	408	396	73	54	36	37.6
SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD	46 555	9 115	5 773	9 130	5 431	3 121	3 819	3 830	2 578	1 982	1 776	24.6
FOOD PREPARATION AND SERVICE OCCUPATIONS	18 613	6 428	3 114	3 887	1 616	891	879	787	424	294	293	19.8
WAITERS AND FOOD COUNTER WORKERS	1 939	443	366	576	236	110	56	35	48	28	41	21.3
COOKS	7 408	2 772	1 589	1 570	509	274	271	194	83	79	67	19.2
HEALTH SERVICE OCCUPATIONS	2 840	289	228	927	709	252	181	98	64	48	44	24.9
NURSING AIDES, ORDERLIES, AND ATTENDANTS	2 232	125	140	774	618	207	159	76	64	40	29	25.6
CLEANING AND BUILDING SERVICE OCCUPATIONS EXC. HOUSEHOLD	21 238	2 014	2 066	3 631	2 371	1 536	2 219	2 612	1 963	1 499	1 327	31.7
PERSONAL SERVICE OCCUPATIONS	3 864	384	365	685	735	442	540	333	127	141	112	28.4
BARBERS, HAIRDRESSERS AND COSMETOLOGISTS	1 456	-	7	152	308	232	385	207	31	60	74	35.6
FARMING, FORESTRY, AND FISHING OCCUPATIONS	11 225	716	735	1 754	1 233	830	1 440	1 902	917	792	906	37.4
FARM OPERATORS AND MANAGERS	5 794	2	94	438	454	432	987	1 413	704	613	657	48.7
FARM OCCUPATIONS, EXCEPT MANAGERIAL	2 650	571	502	661	241	129	152	142	56	69	127	21.3
RELATED AGRICULTURAL OCCUPATIONS	2 565	141	120	607	511	225	275	325	148	93	120	29.1
FORESTRY AND FISHING OCCUPATIONS	216	2	19	48	27	44	26	22	9	17	2	31.4
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS	102 798	825	3 144	16 126	16 258	14 736	21 071	17 352	7 334	4 298	1 654	35.1
MECHANICS AND REPAIRERS	31 396	422	1 179	5 813	5 133	4 543	5 845	4 813	2 038	1 169	441	33.5
AUTOMOBILE MECHANICS, INCLUDING BODY	9 962	204	680	2 431	1 819	1 288	1 455	1 193	483	299	110	29.6
AIRCRAFT MECHANICS	1 845	5	7	190	185	313	477	334	201	127	6	38.8
HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS	901	-	11	179	186	81	199	124	57	32	32	34.6
OTHER MECHANICS AND REPAIRERS	18 688	213	481	3 013	2 943	2 861	3 714	3 162	1 297	711	293	34.7
CONSTRUCTION TRADES	36 371	179	992	5 754	6 114	5 312	7 604	6 076	2 464	1 317	559	34.8
CARPENTERS	9 935	61	371	2 123	2 026	1 281	1 623	1 247	610	407	186	31.5
ELECTRICIANS	4 553	9	34	623	630	775	1 033	863	370	164	52	36.5
PAINTERS, CONSTRUCTION AND MAINTENANCE	3 327	47	209	697	590	426	518	423	192	155	70	31.4
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	3 547	8	30	348	397	596	959	762	243	111	93	38.1
OTHER CONSTRUCTION TRADES	15 009	54	348	1 963	2 471	2 234	3 471	2 781	1 049	480	158	36.3
EXTRACTIVE OCCUPATIONS	199	-	10	12	79	26	43	17	8	4	-	29.9
PRECISION PRODUCTION OCCUPATIONS	34 832	224	963	4 547	4 932	4 855	7 579	6 446	2 824	1 808	654	37.3
SUPERVISORS, PRODUCTION OCCUPATIONS	13 907	27	115	1 097	1 842	2 030	3 652	3 171	1 134	673	166	39.9
MANUFACTURING	9 601	12	69	733	1 199	1 522	2 614	2 170	763	426	93	39.5
PRECISION METALWORKING OCCUPATIONS	10 253	30	391	1 800	1 567	1 354	1 980	1 604	752	607	168	34.9
TOOL AND DIE MAKERS	2 394	-	59	302	285	295	563	491	184	187	28	38.7
MACHINISTS	5 693	19	278	1 174	982	744	1 001	747	348	287	113	32.6
SHEET METAL WORKERS	1 397	11	21	208	193	235	245	252	148	70	14	36.1
OTHER PRECISION METAL WORKERS	769	-	33	116	107	80	171	114	72	63	13	37.3
PRECISION TEXTILE, APPAREL, AND FURNISHINGS MACHINE WORKERS	780	8	30	89	71	59	89	129	120	88	97	48.2
PLANT AND SYSTEM OPERATORS	2 531	-	-	211	275	380	568	524	346	173	54	41.9
OTHER PRECISION PRODUCTION OCCUPATIONS	7 361	159	427	1 350	1 177	1 032	1 290	1 018	472	267	169	32.7

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TOTAL												
OPERATORS, FABRICATORS, AND LABORERS	120 120	6 630	9 910	25 094	19 266	13 644	18 091	15 079	6 637	4 168	1 601	29.8
MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS	52 004	1 034	3 465	11 821	9 359	6 384	7 973	6 318	2 944	2 103	603	30.3
MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION	33 424	580	2 152	7 625	5 696	4 170	5 172	4 337	1 953	1 338	401	30.8
METALWORKING AND PLASTIC WORKING MACHINE OPERATORS	5 631	97	423	1 259	918	719	850	675	369	258	63	30.8
PRINTING MACHINE OPERATORS	5 797	60	193	1 210	854	770	1 090	972	373	209	66	33.8
TEXTILE, APPAREL, AND FURNISHINGS MACHINE OPERATORS	949	54	93	212	132	96	135	124	48	39	16	29.4
TEXTILE MACHINE OPERATORS	243	-	18	63	34	43	37	12	20	16	-	30.8
TEXTILE SEWING MACHINE OPERATORS	94	-	16	16	19	-	23	13	-	1	6	28.9
LAUNDERING AND DRYCLEANING MACHINE OPERATORS	517	54	54	101	74	48	56	83	18	19	10	28.3
OTHER SPECIFIED MACHINE OPERATORS	10 510	189	638	2 448	1 814	1 421	1 611	1 233	597	449	110	30.6
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS	10 537	180	805	2 496	1 978	1 164	1 486	1 333	566	383	146	29.5
OCCUPATION:												
MISCELLANEOUS MACHINE OPERATORS, N.E.C.	2 376	52	188	621	415	255	345	334	99	51	16	28.9
MACHINE OPERATORS, NOT SPECIFIED	8 161	128	617	1 875	1 563	909	1 141	999	467	332	130	29.7
INDUSTRY:												
MANUFACTURING	8 866	133	682	2 162	1 737	967	1 191	1 118	489	296	91	29.2
NONDURABLE GOODS	2 978	95	216	752	533	366	425	355	137	73	26	29.0
FOOD AND KINDRED PRODUCTS	687	13	33	146	142	77	115	68	48	27	18	30.6
TEXTILE MILL AND FINISHED TEXTILE PRODUCTS	79	-	2	2	4	7	12	34	10	-	8	50.9
PAPER AND ALLIED PRODUCTS	967	10	53	275	172	111	179	136	14	17	-	29.2
OTHER NONDURABLE GOODS	1 245	72	128	329	215	171	119	117	65	29	-	27.2
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG	5 888	38	466	1 410	1 204	601	766	763	352	223	65	29.3
METAL INDUSTRIES	1 812	14	124	493	329	219	211	231	76	78	37	29.2
MACHINERY, INCLUDING ELECTRICAL	2 514	13	243	547	514	266	355	309	163	88	16	29.4
TRANSPORTATION EQUIPMENT	190	4	-	61	36	17	12	16	31	8	5	29.2
OTHER DURABLE GOODS	1 372	7	99	309	325	99	188	207	82	49	7	29.2
NONMANUFACTURING INDUSTRIES	1 671	47	123	334	241	197	295	215	77	87	55	32.3
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	315	-	30	41	73	35	53	57	8	18	-	31.9
WHOLESALE AND RETAIL TRADE	680	25	25	143	58	77	147	72	40	40	53	35.6
ALL OTHER INDUSTRIES	676	22	68	150	110	85	95	86	29	29	2	29.5
FABRICATORS, ASSEMBLERS, AND HAND WORKING OCCUPATIONS	15 192	397	1 203	3 692	3 084	1 749	2 093	1 528	699	596	151	28.7
WELDERS AND CUTTERS	5 608	47	307	1 325	1 149	792	822	601	316	204	45	29.9
ASSEMBLERS	8 934	307	863	2 283	1 852	897	1 181	798	318	354	81	27.7
OTHER FABRICATORS AND HAND WORKING OCCUPATIONS	650	43	33	84	83	60	90	129	65	38	25	36.9
PRODUCTION INSPECTORS, TESTERS, SAMPLERS, AND WEIGHERS	3 388	57	110	504	579	465	708	453	292	169	51	34.8
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	35 016	328	1 605	5 643	5 616	4 538	6 912	6 120	2 448	1 243	563	34.8
MOTOR VEHICLE OPERATORS	26 363	277	1 274	4 257	4 072	3 370	5 440	4 403	1 787	996	487	34.9
TRUCK DRIVERS AND DRIVER-SALES WORKERS	20 678	195	800	3 056	3 198	2 748	4 697	3 625	1 363	724	272	35.7
BUS DRIVERS	3 548	-	362	811	419	394	503	512	305	165	77	32.3
RAIL AND WATER TRANSPORTATION OCCUPATIONS	2 044	-	16	132	354	308	287	589	279	61	18	41.0
MATERIAL MOVING EQUIPMENT OPERATORS	6 609	51	315	1 254	1 190	860	1 185	1 128	382	186	58	32.9
EXCAVATING, GRADING, AND DOZER MACHINE OPERATORS	307	6	3	41	39	49	66	45	34	24	-	37.4
HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS	33 100	5 268	4 840	7 630	4 291	2 722	3 206	2 641	1 245	822	435	24.1
CONSTRUCTION LABORERS	4 793	102	364	1 324	940	480	622	580	203	145	33	28.2
FREIGHT, STOCK, AND MATERIAL HANDLERS	11 713	3 363	2 257	2 446	980	676	818	578	311	145	139	20.4
GARAGE AND SERVICE STATION RELATED OCCUPATIONS	2 781	852	777	542	172	75	94	64	73	50	82	19.4
HAND PACKERS AND PACKAGERS	1 525	107	197	389	206	145	144	144	71	67	55	26.7
OTHER SPECIFIED HANDLERS, EQUIPMENT CLEANERS, AND HELPERS	2 331	397	358	597	286	222	145	145	89	69	23	23.2
LABORERS, EXCEPT CONSTRUCTION	9 957	447	887	2 332	1 707	1 124	1 383	1 130	498	346	103	28.8
MANUFACTURING	3 373	120	337	925	600	347	408	343	158	108	27	27.5
NONDURABLE GOODS	1 419	50	162	343	243	145	171	136	91	58	20	28.2
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG	1 954	70	175	582	357	202	237	207	67	50	7	27.1
METAL INDUSTRIES	655	13	73	210	144	63	51	67	14	13	7	26.1
NONMANUFACTURING INDUSTRIES	6 584	327	550	1 407	1 107	777	975	787	340	238	76	29.6
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	1 557	26	74	336	348	159	216	227	101	53	17	29.9
WHOLESALE AND RETAIL TRADE	3 992	226	380	838	612	507	654	432	172	129	42	29.5
ALL OTHER INDUSTRIES	1 035	75	96	233	147	111	105	128	67	56	17	28.9

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TOTAL												
EMPLOYED FEMALES 16 YEARS AND OVER	483 414	20 470	28 177	84 778	79 077	64 218	87 000	65 136	27 074	17 134	10 350	32.3
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS	106 782	430	1 110	13 781	23 500	20 020	23 717	14 473	5 042	3 092	1 617	33.6
EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS	39 410	140	536	5 968	8 453	6 889	7 933	5 479	2 118	1 268	626	33.3
OFFICIALS AND ADMINISTRATORS, PUBLIC ADMINISTRATION	883	-	-	61	136	214	189	171	50	46	16	36.9
ADMINISTRATORS, EDUCATION AND RELATED FIELDS	1 218	-	8	80	196	251	303	257	71	22	30	37.5
MANAGERS, MEDICINE AND HEALTH	568	-	7	47	114	86	129	107	37	33	8	36.6
OTHER SPECIFIED MANAGERS	5 843	-	44	687	1 362	1 099	1 261	821	240	153	176	33.8
MANAGERS AND ADMINISTRATORS, N.E.C., SALARIED	15 924	101	239	2 488	3 270	2 478	3 286	2 333	918	569	242	33.8
MANUFACTURING	2 238	-	-	208	439	436	623	330	132	43	27	35.5
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	808	-	8	30	158	191	211	126	60	11	13	35.8
WHOLESALE AND RETAIL TRADE	4 722	41	170	1 248	963	487	730	599	258	118	108	29.7
ALL OTHER INDUSTRIES	8 156	60	61	1 002	1 710	1 364	1 722	1 278	468	397	94	34.6
MANAGERS AND ADMINISTRATORS, N.E.C., SELF-EMPLOYED	981	-	-	43	111	200	233	220	88	56	30	40.9
CONSTRUCTION	34	-	-	-	12	14	-	8	-	-	-	31.8
MANUFACTURING	66	-	-	5	16	20	10	13	-	-	2	33.0
WHOLESALE AND RETAIL TRADE	470	-	-	18	44	94	110	99	63	33	9	42.9
ALL OTHER INDUSTRIES	411	-	-	20	39	72	113	100	25	23	19	39.8
MANAGEMENT RELATED OCCUPATIONS	13 993	39	238	2 562	3 264	2 561	2 532	1 570	714	389	124	31.7
ACCOUNTANTS AND AUDITORS	5 935	18	112	1 448	1 292	924	898	639	307	222	75	30.5
BUYERS AND PURCHASING AGENTS	2 142	-	27	334	566	407	405	222	117	57	7	31.8
PROFESSIONAL SPECIALTY OCCUPATIONS	67 372	290	574	7 813	15 047	13 131	15 784	8 994	2 924	1 824	991	33.8
ENGINEERS, ARCHITECTS, AND SURVEYORS	995	12	18	299	301	173	125	40	27	-	-	27.8
ARCHITECTS	133	-	-	6	66	44	12	-	5	-	-	29.6
ENGINEERS	850	12	18	291	235	129	103	40	22	-	-	27.2
ELECTRICAL AND ELECTRONIC ENGINEERS	115	12	18	28	31	-	7	14	5	-	-	24.9
MECHANICAL ENGINEERS	26	-	-	22	2	-	2	-	-	-	-	23.8
OTHER ENGINEERS	709	-	-	241	202	129	94	26	17	-	-	27.8
SURVEYORS AND MAPPING SCIENTISTS	12	-	-	2	-	-	10	-	-	-	-	42.0
MATHEMATICAL AND COMPUTER SCIENTISTS	1 359	-	6	122	402	391	223	133	52	22	8	31.9
COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS	865	-	-	59	278	272	133	95	17	11	-	31.8
NATURAL SCIENTISTS	650	-	12	110	222	122	123	23	26	12	-	29.6
HEALTH DIAGNOSING OCCUPATIONS	749	-	2	52	215	163	159	107	26	14	11	33.2
PHYSICIANS	505	-	-	17	126	123	118	90	6	14	11	34.5
DENTISTS	135	-	2	22	46	21	21	17	6	-	-	29.7
OTHER HEALTH DIAGNOSING PRACTITIONERS	109	-	-	13	43	19	20	-	14	-	-	29.8
HEALTH ASSESSMENT AND TREATING OCCUPATIONS	20 071	14	22	2 463	5 124	3 767	4 169	2 892	940	450	230	33.2
REGISTERED NURSES	17 112	-	11	1 843	4 145	3 282	3 742	2 660	830	387	212	33.9
PHARMACISTS	464	-	-	108	179	68	58	25	13	7	6	28.5
THERAPISTS	1 900	2	7	448	624	337	291	124	44	17	6	29.0
TEACHERS, LIBRARIANS, AND COUNSELORS	29 713	170	310	2 745	5 356	5 797	8 244	4 353	1 367	935	436	35.5
TEACHERS, POSTSECONDARY	2 111	-	62	327	416	321	494	270	150	58	13	33.9
TEACHERS, ELEMENTARY AND PRE-KINDERGARTEN	16 817	63	72	1 347	2 769	3 541	5 032	2 504	680	594	215	36.0
TEACHERS, SECONDARY	5 396	25	30	568	1 173	1 015	1 455	699	247	135	49	34.4
SOCIAL SCIENTISTS AND URBAN PLANNERS	959	-	2	103	301	231	188	67	40	19	8	31.6
SOCIAL AND RECREATION WORKERS	4 001	22	30	558	847	738	950	504	161	126	65	33.7
RELIGIOUS WORKERS	823	-	-	56	127	138	213	147	32	55	55	38.8
LAWYERS AND JUDGES	1 098	5	-	70	464	393	85	47	19	-	15	30.1
WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES	6 954	67	172	1 235	1 688	1 218	1 305	681	234	191	163	31.3
TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS	234 893	9 005	15 761	45 620	38 015	29 412	40 093	30 959	13 383	7 982	4 663	31.5
TECHNICIANS AND RELATED SUPPORT OCCUPATIONS	16 472	78	206	3 925	4 580	2 633	2 815	1 445	439	239	112	29.4
HEALTH TECHNOLOGISTS AND TECHNICIANS	9 602	39	102	2 159	2 578	1 462	1 883	891	265	169	54	29.9
LICENSED PRACTICAL NURSES	3 911	15	35	775	934	738	821	405	96	63	29	31.3
ENGINEERING AND SCIENCE TECHNICIANS	2 677	24	44	805	690	390	301	292	66	41	24	28.4
ELECTRICAL AND ELECTRONIC TECHNICIANS	621	-	7	190	161	115	37	84	21	6	-	28.5
DRAFTING AND SURVEYING TECHNICIANS	484	4	17	144	188	66	51	7	7	-	-	27.0
TECHNICIANS, EXCEPT HEALTH, ENGINEERING, AND SCIENCE	4 193	15	60	961	1 312	781	631	262	108	29	34	29.0
AIRPLANE PILOTS AND NAVIGATORS	20	-	-	6	6	2	6	-	-	-	-	28.3
COMPUTER PROGRAMMERS	1 993	7	29	457	685	406	309	81	14	5	-	28.7
SALES OCCUPATIONS	52 864	6 207	6 183	8 216	6 054	5 096	8 145	6 587	2 853	2 010	1 513	29.8
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS	3 176	23	104	585	599	384	638	422	225	124	72	33.6
SELF-EMPLOYED	580	-	9	18	49	63	192	67	93	50	39	42.7
SALES REPRESENTATIVES, FINANCE AND BUSINESS SERVICES	8 456	71	171	1 280	1 564	1 527	1 870	1 263	387	192	131	33.7
SALES REPRESENTATIVES, COMMODITIES, EXCEPT RETAIL	2 735	59	63	356	654	525	582	271	89	74	62	32.2
SALES WORKERS, RETAIL AND PERSONAL SERVICES	38 200	6 054	5 825	5 960	3 189	2 633	4 974	4 586	2 122	1 609	1 248	27.0
CASHIERS	15 098	3 008	2 820	2 684	1 281	859	1 667	1 387	666	401	325	22.8
SALES RELATED OCCUPATIONS	297	-	20	35	48	27	81	45	30	11	-	36.9

TABLE 221. OCCUPATION OF EMPLOYED PERSONS BY AGE, 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]

MINNEAPOLIS-ST. PAUL, MN-WI SMSA	TOTAL, 16 YEARS AND OVER	16 AND 17 YEARS	18 AND 19 YEARS	20 TO 24 YEARS	25 TO 29 YEARS	30 TO 34 YEARS	35 TO 44 YEARS	45 TO 54 YEARS	55 TO 59 YEARS	60 TO 64 YEARS	65 YEARS AND OVER	MEDIAN AGE
TOTAL												
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL	165 557	2 720	9 372	33 479	27 381	21 683	29 133	22 927	10 091	5 733	3 038	32.3
SUPERVISORS, ADMINISTRATIVE SUPPORT OCCUPATIONS	5 777	2	41	725	1 071	1 144	1 119	1 036	317	266	56	34.6
COMPUTER EQUIPMENT OPERATORS	3 269	26	215	900	699	590	437	277	98	21	6	28.5
SECRETARIES, STENOGRAPHERS, AND TYPISTS	55 938	462	2 563	11 204	9 339	7 582	10 855	7 746	3 459	1 815	913	32.9
SECRETARIES	46 136	293	1 701	9 135	8 073	6 441	9 102	6 518	2 727	1 427	719	33.0
RECEPTIONISTS	7 412	280	676	1 699	979	770	1 303	923	350	205	227	30.5
FILE CLERKS	2 571	249	388	586	341	164	231	259	153	85	115	25.9
FINANCIAL RECORDS PROCESSING OCCUPATIONS	24 800	203	1 149	4 198	3 754	3 060	4 716	4 171	1 886	1 063	600	35.1
BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS	19 986	148	819	3 111	2 910	2 544	3 861	3 493	1 651	916	533	36.1
TELEPHONE OPERATORS	2 286	63	116	520	208	212	409	381	190	98	89	35.6
MAIL AND MESSAGE DISTRIBUTING OCCUPATIONS	3 108	51	258	712	522	329	406	409	223	121	77	30.2
TRAFFIC, SHIPPING, STOCK AND INVENTORY CLERKS	3 993	109	258	706	662	504	664	603	228	204	55	32.6
INSURANCE ADJUSTERS, EXAMINERS, AND INVESTIGATORS	2 022	8	54	618	652	240	225	116	56	36	17	27.5
BANK TELLERS	4 093	78	508	1 469	611	422	520	326	99	41	19	25.0
DATA-ENTRY KEYERS	6 758	45	394	1 760	1 393	1 252	1 146	558	146	47	17	29.2
OTHER ADMINISTRATIVE SUPPORT OCCUPATIONS	43 530	1 144	2 752	8 382	7 150	5 414	7 102	6 122	2 886	1 731	847	32.2
SERVICE OCCUPATIONS	83 665	9 583	7 877	15 324	9 619	8 057	12 237	9 967	4 541	3 588	2 872	29.7
PRIVATE HOUSEHOLD OCCUPATIONS	3 088	405	117	279	267	253	405	369	214	297	482	40.0
PROTECTIVE SERVICE OCCUPATIONS	1 042	112	72	280	191	108	154	96	2	21	6	26.5
FIREFIGHTING OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-
POLICE AND DETECTIVES, PUBLIC SERVICE	146	-	-	45	53	5	32	11	-	-	-	27.6
GUARDS	712	112	72	205	94	53	80	67	2	21	6	24.2
OTHER PROTECTIVE SERVICE OCCUPATIONS	184	-	-	30	44	50	42	18	-	-	-	31.8
SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD	79 535	9 066	7 688	14 765	9 161	7 696	11 678	9 502	4 325	3 270	2 384	29.5
FOOD PREPARATION AND SERVICE OCCUPATIONS	34 212	6 441	4 272	6 029	2 615	1 998	4 206	4 306	2 001	1 426	918	25.7
WAITERS AND FOOD COUNTER WORKERS	18 460	4 597	2 924	3 981	1 589	984	1 705	1 347	623	396	314	21.7
COOKS	6 778	559	441	671	373	439	1 153	1 678	638	556	270	42.8
HEALTH SERVICE OCCUPATIONS	18 149	1 447	2 025	4 502	2 601	1 582	2 435	1 914	741	526	376	27.1
NURSING AIDES, ORDERLIES, AND ATTENDANTS	13 328	977	1 594	3 153	1 747	1 237	1 951	1 418	559	398	294	27.7
CLEANING AND BUILDING SERVICE OCCUPATIONS EXC. HOUSEHOLD	8 714	737	669	1 008	814	569	1 277	1 256	858	861	665	39.8
PERSONAL SERVICE OCCUPATIONS	18 460	441	722	3 226	3 131	3 547	3 760	2 026	725	457	425	32.4
BARBERS, HAIRDRESSERS AND COSMETOLOGISTS	4 612	17	149	1 113	889	931	774	304	140	152	143	30.7
FARMING, FORESTRY, AND FISHING OCCUPATIONS	2 718	258	141	347	354	254	490	452	164	156	102	35.1
FARM OPERATORS AND MANAGERS	793	-	7	35	74	88	225	197	61	64	42	43.4
FARM OCCUPATIONS, EXCEPT MANAGERIAL	1 179	163	73	150	131	93	187	212	81	52	37	33.9
RELATED AGRICULTURAL OCCUPATIONS	719	89	59	151	143	73	78	41	22	40	23	27.1
FORESTRY AND FISHING OCCUPATIONS	27	6	2	11	6	-	-	2	-	-	-	21.2
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS	10 180	107	376	1 510	1 586	1 391	1 954	1 799	725	443	289	35.5
MECHANICS AND REPAIRERS	1 189	13	30	197	282	173	165	211	71	26	21	32.1
AUTOMOBILE MECHANICS, INCLUDING BODY	71	-	5	8	19	-	2	16	-	7	14	46.5
AIRCRAFT MECHANICS	11	-	-	-	6	-	5	-	-	-	-	29.6
HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS	-	-	-	-	-	-	-	-	-	-	-	-
OTHER MECHANICS AND REPAIRERS	1 107	13	25	189	257	173	158	195	71	19	7	32.0
CONSTRUCTION TRADES	707	22	12	165	115	119	133	82	26	13	20	31.7
CARPENTERS	133	10	6	35	22	27	14	9	2	1	7	28.5
ELECTRICIANS	61	9	-	24	13	-	8	7	-	-	-	24.7
PAINTERS, CONSTRUCTION AND MAINTENANCE	200	3	4	46	33	34	26	27	2	12	13	32.1
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	24	-	-	15	2	7	-	-	-	-	-	24.1
OTHER CONSTRUCTION TRADES	289	-	2	45	45	51	85	39	22	-	-	35.2
EXTRACTIVE OCCUPATIONS	5	-	-	-	-	-	-	-	-	5	-	62.5
PRECISION PRODUCTION OCCUPATIONS	8 279	72	334	1 148	1 189	1 099	1 656	1 506	628	399	248	36.5
SUPERVISORS, PRODUCTION OCCUPATIONS	3 086	17	64	349	458	474	694	579	280	113	58	37.3
MANUFACTURING	1 788	-	-	183	308	206	451	370	188	49	33	38.9
PRECISION METALWORKING OCCUPATIONS	589	12	44	111	104	110	101	60	21	19	7	31.1
TOOL AND DIE MAKERS	30	-	-	13	4	7	-	6	-	-	-	27.5
MACHINISTS	259	-	22	66	47	51	36	24	6	7	-	29.4
SHEET METAL WORKERS	32	-	-	5	7	-	10	10	-	-	-	42.0
OTHER PRECISION METAL WORKERS	268	12	22	27	46	52	55	20	15	12	7	32.6
PRECISION TEXTILE, APPAREL, AND FURNISHINGS MACHINE WORKERS	1 460	12	19	167	147	158	279	293	126	146	113	43.1
PLANT AND SYSTEM OPERATORS	100	-	11	-	17	13	17	23	13	6	-	38.8
OTHER PRECISION PRODUCTION OCCUPATIONS	3 044	31	196	521	463	344	565	551	188	115	70	34.5

TABLE 221. OCCUPATION OF EMPLOYED PERSONS BY AGE, 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]

MINNEAPOLIS-ST. PAUL, MN-WI SMSA	TOTAL, 16 YEARS AND OVER	16 AND 17 YEARS	18 AND 19 YEARS	20 TO 24 YEARS	25 TO 29 YEARS	30 TO 34 YEARS	35 TO 44 YEARS	45 TO 54 YEARS	55 TO 59 YEARS	60 TO 64 YEARS	65 YEARS AND OVER	MEDIAN AGE
TOTAL												
OPERATORS, FABRICATORS, AND LABORERS	45 176	1 087	2 912	8 196	6 003	5 084	8 509	7 486	3 219	1 873	807	34.3
MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS	34 598	537	2 195	6 229	4 754	4 055	6 343	5 885	2 510	1 546	544	34.4
MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION	15 786	296	962	2 836	2 181	1 746	2 830	2 512	1 264	777	382	34.6
METALWORKING AND PLASTIC WORKING MACHINE OPERATORS	1 387	33	87	224	240	193	270	173	93	59	15	32.8
PRINTING MACHINE OPERATORS	1 923	19	104	413	279	242	276	348	131	91	20	33.0
TEXTILE, APPAREL, AND FURNISHINGS MACHINE OPERATORS	3 416	130	222	360	332	403	613	593	349	203	211	38.7
TEXTILE MACHINE OPERATORS	228	-	8	32	24	46	60	29	9	20	-	35.5
TEXTILE SEWING MACHINE OPERATORS	1 476	10	62	171	176	175	243	277	151	80	131	41.1
LAUNDERING AND DRYCLEANING MACHINE OPERATORS	1 321	114	135	106	95	145	223	233	140	55	75	37.3
OTHER SPECIFIED MACHINE OPERATORS	3 380	71	262	664	496	354	641	424	291	136	41	32.8
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS	5 680	43	287	1 175	834	554	1 030	974	400	288	95	34.5
OCCUPATION:												
MISCELLANEOUS MACHINE OPERATORS, N.E.C.	1 465	6	92	304	228	129	231	241	116	96	22	34.0
MACHINE OPERATORS, NOT SPECIFIED	4 215	37	195	871	606	425	799	733	284	192	73	34.7
INDUSTRY:												
MANUFACTURING	4 829	32	231	975	663	493	898	866	347	243	81	35.2
NONDURABLE GOODS	2 036	22	118	453	296	184	362	376	122	67	36	33.5
FOOD AND KINDRED PRODUCTS	437	-	20	109	73	21	100	91	14	9	-	33.9
TEXTILE MILL AND FINISHED TEXTILE PRODUCTS	132	8	11	17	6	4	28	26	6	11	15	43.3
PAPER AND ALLIED PRODUCTS	452	-	12	138	64	40	58	85	26	14	15	31.5
OTHER NONDURABLE GOODS	1 015	14	75	189	153	119	176	174	76	33	6	33.2
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG	2 793	10	113	522	367	309	536	490	225	176	45	36.2
METAL INDUSTRIES	563	-	14	90	35	80	127	126	51	38	2	39.2
MACHINERY, INCLUDING ELECTRICAL	1 218	-	61	230	193	127	190	228	99	88	2	34.9
TRANSPORTATION EQUIPMENT	8	-	-	6	-	-	-	2	-	-	-	24.0
OTHER DURABLE GOODS	1 004	10	38	196	139	102	219	134	75	50	41	35.7
NONMANUFACTURING INDUSTRIES	851	11	56	200	171	61	132	108	53	45	14	29.6
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	57	-	6	34	5	5	7	-	-	-	-	23.0
WHOLESALE AND RETAIL TRADE	370	7	24	71	80	32	52	54	22	28	-	30.5
ALL OTHER INDUSTRIES	424	4	26	95	86	24	73	54	31	17	14	30.2
FABRICATORS, ASSEMBLERS, AND HAND WORKING OCCUPATIONS	14 852	209	1 088	2 847	2 027	1 733	2 763	2 598	870	611	106	33.6
WELDERS AND CUTTERS	443	-	36	113	42	71	59	78	22	22	-	32.1
ASSEMBLERS	13 517	180	972	2 616	1 831	1 546	2 544	2 363	816	551	98	33.8
OTHER FABRICATORS AND HAND WORKING OCCUPATIONS	892	29	80	118	154	116	160	157	32	38	8	32.8
PRODUCTION INSPECTORS, TESTERS, SAMPLERS, AND WEIGHERS	3 960	32	145	546	546	576	750	775	376	158	56	36.7
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	2 833	16	102	589	465	387	668	448	99	26	33	33.2
MOTOR VEHICLE OPERATORS	2 374	8	90	472	335	336	611	387	82	20	33	34.2
TRUCK DRIVERS AND DRIVER-SALES WORKERS	656	8	21	172	95	81	125	86	44	-	24	32.0
BUS DRIVERS	1 542	-	53	227	213	230	472	293	38	7	9	36.0
RAIL AND WATER TRANSPORTATION OCCUPATIONS	44	8	-	15	14	7	-	-	-	-	-	24.8
MATERIAL MOVING EQUIPMENT OPERATORS	415	-	12	102	116	44	57	61	17	6	-	29.0
EXCAVATING, GRADING, AND DOZER MACHINE OPERATORS	5	-	-	-	-	-	5	-	-	-	-	42.5
HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS	7 745	534	615	1 378	784	642	1 498	1 153	610	301	230	34.4
CONSTRUCTION LABORERS	114	6	16	17	36	4	8	22	5	-	-	27.5
FREIGHT, STOCK, AND MATERIAL HANDLERS	1 540	250	158	239	145	106	309	171	118	28	16	29.2
GARAGE AND SERVICE STATION RELATED OCCUPATIONS	210	18	56	74	17	24	11	5	5	-	-	21.6
HAND PACKERS AND PACKAGERS	3 119	101	207	457	312	250	601	580	279	199	133	38.5
OTHER SPECIFIED HANDLERS, EQUIPMENT CLEANERS, AND HELPERS	426	57	20	66	49	43	51	62	37	21	20	32.4
LABORERS, EXCEPT CONSTRUCTION	2 336	102	158	525	225	215	518	313	166	53	61	33.7
MANUFACTURING	1 110	6	90	208	125	126	274	124	89	38	30	35.0
NONDURABLE GOODS	452	6	47	83	59	42	102	36	41	16	20	33.7
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG	658	-	43	125	66	84	172	88	48	22	10	35.8
METAL INDUSTRIES	119	-	-	11	11	8	24	38	27	-	-	46.4
NONMANUFACTURING INDUSTRIES	1 226	96	68	317	100	89	244	189	77	15	31	31.8
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	105	-	2	15	27	16	22	23	-	-	-	32.7
WHOLESALE AND RETAIL TRADE	750	66	27	194	36	38	173	123	58	10	25	35.6
ALL OTHER INDUSTRIES	371	30	39	108	37	35	49	43	19	5	6	26.1

TABLE 222. OCCUPATION OF THE EXPERIENCED CIVILIAN LABOR FORCE BY EARNINGS IN 1979, LABOR FORCE STATUS IN 1979, 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]

MINNESOTA

	PERSONS WITH EARNINGS IN 1979											WORKED YEAR ROUND FULL TIME IN 1979	
	16 YEARS AND OVER	$1 TO $1,999 OR LOSS	$2,000 TO $5,999	$6,000 TO $9,999	$10,000 TO $14,999	$15,000 TO $19,999	$20,000 TO $24,999	$25,000 TO $49,999	$50,000 OR MORE	MEDIAN EARNINGS	MEAN EARNINGS	TOTAL	MEDIAN EARNINGS
TOTAL													
MALE EXPERIENCED CIVILIAN LABOR FORCE	1 115 304	82 250	142 666	128 585	203 285	212 649	159 831	156 064	29 974	$15 014	$16 510	747 968	$17 569
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS	265 466	6 057	15 305	17 546	35 684	50 328	49 274	72 328	18 944	$20 600	$24 362	203 696	$22 186
EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS	145 124	2 867	6 430	8 569	18 934	26 542	24 814	45 363	11 605	$21 532	$25 936	123 998	$22 788
OFFICIALS AND ADMINISTRATORS, PUBLIC ADMINISTRATION	4 060	78	64	220	650	953	944	1 089	62	$20 236	$21 147	3 505	$20 824
ADMINISTRATORS, EDUCATION AND RELATED FIELDS	4 106	75	131	114	285	505	986	1 951	59	$24 706	$24 128	2 483	$25 534
MANAGERS, MEDICINE AND HEALTH	993	12	13	46	136	189	111	400	86	$24 427	$26 832	855	$24 520
OTHER SPECIFIED MANAGERS	23 612	276	722	961	2 182	3 846	4 148	9 506	1 971	$24 494	$27 620	21 141	$25 456
MANAGERS AND ADMINISTRATORS, N.E.C., SALARIED	72 637	1 124	3 091	4 131	9 091	11 587	11 409	24 395	7 809	$22 883	$28 753	63 196	$24 509
MANUFACTURING	22 161	136	380	557	1 568	3 068	3 635	9 507	3 310	$27 325	$34 742	20 509	$28 061
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	5 686	29	136	157	396	870	1 303	2 467	328	$24 753	$27 139	5 267	$25 193
WHOLESALE AND RETAIL TRADE	20 700	361	1 237	1 894	4 120	3 847	2 638	4 707	1 896	$18 211	$24 814	17 280	$20 117
ALL OTHER INDUSTRIES	24 090	598	1 338	1 523	3 007	3 802	3 833	7 714	2 275	$21 983	$27 009	20 140	$23 912
MANAGERS AND ADMINISTRATORS, N.E.C., SELF-EMPLOYED	7 335	741	867	1 004	1 285	1 001	722	1 260	455	$13 894	$18 188	5 434	$15 387
CONSTRUCTION	1 293	85	131	165	240	193	81	302	96	$15 501	$21 086	732	$17 538
MANUFACTURING	795	49	60	151	155	103	74	168	35	$14 352	$18 760	643	$15 864
WHOLESALE AND RETAIL TRADE	2 857	267	324	415	512	418	268	478	175	$13 891	$17 930	2 336	$14 843
ALL OTHER INDUSTRIES	2 390	340	352	273	378	287	299	312	149	$12 800	$16 739	1 723	$14 796
MANAGEMENT RELATED OCCUPATIONS	32 381	561	1 542	2 093	5 305	8 461	6 494	6 762	1 163	$18 607	$20 948	27 384	$19 994
ACCOUNTANTS AND AUDITORS	12 921	216	675	1 060	1 985	3 482	2 419	2 533	551	$18 203	$20 883	10 840	$19 701
BUYERS AND PURCHASING AGENTS	5 289	95	211	321	1 058	1 547	1 039	871	147	$17 582	$19 375	4 566	$18 383
PROFESSIONAL SPECIALTY OCCUPATIONS	120 342	3 190	8 875	8 977	16 750	23 786	24 460	26 965	7 339	$19 603	$22 464	79 698	$21 455
ENGINEERS, ARCHITECTS, AND SURVEYORS	24 100	174	752	778	1 945	4 704	6 665	8 633	449	$22 292	$23 374	21 073	$23 071
ARCHITECTS	1 827	16	79	128	227	422	290	546	119	$20 555	$24 837	1 531	$22 016
ENGINEERS	21 548	145	613	577	1 525	4 128	6 250	7 985	325	$22 546	$23 478	18 964	$23 273
ELECTRICAL AND ELECTRONIC ENGINEERS	5 442	25	153	164	328	984	1 636	2 112	40	$22 789	$23 168	4 716	$23 758
MECHANICAL ENGINEERS	3 583	37	120	65	290	675	1 153	1 210	33	$22 078	$22 704	3 204	$22 675
OTHER ENGINEERS	12 523	83	340	348	907	2 469	3 461	4 663	252	$22 590	$23 834	11 044	$23 257
SURVEYORS AND MAPPING SCIENTISTS	725	13	60	73	193	154	125	102	5	$15 542	$16 611	578	$17 136
MATHEMATICAL AND COMPUTER SCIENTISTS	4 565	24	118	121	427	1 134	1 297	1 411	33	$21 316	$21 880	4 058	$21 845
COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS	3 454	18	92	90	282	841	1 047	1 069	15	$21 437	$21 763	3 079	$21 895
NATURAL SCIENTISTS	3 905	84	242	290	588	846	778	936	141	$19 231	$21 029	3 151	$20 888
HEALTH DIAGNOSING OCCUPATIONS	10 722	177	235	469	693	828	704	3 268	4 348	$42 069	$48 161	7 835	$45 288
PHYSICIANS	6 725	86	104	269	468	558	344	1 574	3 322	$49 330	$54 038	5 271	$52 025
DENTISTS	2 370	41	49	106	102	128	172	1 001	771	$39 418	$42 981	1 374	$40 871
OTHER HEALTH DIAGNOSING PRACTITIONERS	1 627	50	82	94	123	142	188	693	255	$28 406	$31 415	1 190	$32 015
HEALTH ASSESSMENT AND TREATING OCCUPATIONS	4 811	132	297	538	874	1 105	869	867	129	$17 088	$18 696	3 685	$19 315
REGISTERED NURSES	1 331	38	74	222	299	368	125	166	39	$15 277	$17 319	916	$16 534
PHARMACISTS	1 961	26	133	109	175	369	541	546	62	$21 143	$21 540	1 650	$22 312
THERAPISTS	1 113	53	63	162	320	222	146	127	20	$14 296	$15 873	799	$16 105
TEACHERS, LIBRARIANS, AND COUNSELORS	37 925	1 088	2 825	2 484	6 323	9 780	9 646	5 574	205	$17 721	$17 631	15 210	$19 401
TEACHERS, POSTSECONDARY	7 921	313	925	623	778	1 344	1 700	2 101	137	$19 889	$19 379	3 697	$22 571
TEACHERS, ELEMENTARY AND PRE-KINDERGARTEN	13 359	230	522	745	2 717	3 992	3 736	1 401	16	$17 560	$17 452	4 657	$17 746
TEACHERS, SECONDARY	11 196	228	577	614	2 033	3 255	3 201	1 272	16	$17 801	$17 558	4 054	$18 779
SOCIAL SCIENTISTS AND URBAN PLANNERS	2 784	50	142	190	229	552	549	895	177	$21 713	$24 285	2 211	$23 480
SOCIAL AND RECREATION WORKERS	3 698	145	388	526	823	776	595	445	-	$14 777	$14 950	2 641	$16 522
RELIGIOUS WORKERS	6 083	223	1 170	1 191	1 628	1 115	476	253	27	$11 498	$11 935	4 736	$12 648
LAWYERS AND JUDGES	7 604	225	508	452	669	686	863	2 619	1 582	$28 270	$35 194	6 060	$32 163
WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES	14 145	868	2 198	1 938	2 551	2 260	2 018	2 064	248	$13 862	$15 545	9 038	$17 781
TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS	203 776	11 375	24 537	20 706	37 737	42 701	29 758	30 791	6 171	$15 635	$17 426	147 541	$17 914
TECHNICIANS AND RELATED SUPPORT OCCUPATIONS	37 060	1 053	2 788	3 156	7 516	9 627	6 508	5 551	861	$16 600	$17 967	28 732	$18 116
HEALTH TECHNOLOGISTS AND TECHNICIANS	2 495	122	324	315	739	602	243	125	25	$13 023	$13 903	1 768	$15 005
LICENSED PRACTICAL NURSES	137	6	15	33	48	25	-	10	-	$11 115	$11 785	112	$12 098
ENGINEERING AND SCIENCE TECHNICIANS	19 389	575	1 504	1 738	4 585	5 417	3 315	2 202	53	$15 816	$16 023	15 252	$17 169
ELECTRICAL AND ELECTRONIC TECHNICIANS	6 256	173	317	569	1 367	1 722	1 359	742	7	$16 537	$16 623	5 080	$18 002
DRAFTING AND SURVEYING TECHNICIANS	6 524	159	499	618	1 875	2 005	915	440	13	$15 161	$15 057	5 142	$16 028
TECHNICIANS, EXCEPT HEALTH, ENGINEERING, AND SCIENCE	15 176	356	960	1 103	2 192	3 608	2 950	3 224	783	$18 839	$21 117	11 712	$20 367
AIRPLANE PILOTS AND NAVIGATORS	1 785	15	40	41	168	136	152	524	709	$42 420	$42 092	1 014	$41 657
COMPUTER PROGRAMMERS	6 882	116	373	473	950	1 955	1 619	1 364	32	$18 535	$18 654	5 560	$20 303
SALES OCCUPATIONS	100 106	6 274	12 646	9 960	17 576	16 114	13 188	19 445	4 903	$15 862	$19 105	72 263	$19 008
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS	18 386	792	1 543	1 891	3 853	3 388	2 605	3 493	821	$16 291	$19 596	15 570	$17 446
SELF-EMPLOYED	4 750	448	622	687	897	649	456	763	228	$13 167	$16 541	4 080	$14 118
SALES REPRESENTATIVES, FINANCE AND BUSINESS SERVICES	24 898	715	1 848	1 994	3 915	3 928	3 839	6 547	2 112	$20 048	$24 644	19 243	$21 855
SALES REPRESENTATIVES, COMMODITIES, EXCEPT RETAIL	23 690	524	1 204	1 344	3 514	4 657	4 220	6 692	1 535	$20 542	$23 470	19 803	$21 467
SALES WORKERS, RETAIL AND PERSONAL SERVICES	32 837	4 228	8 032	4 703	6 257	4 096	2 466	2 638	417	$9 513	$11 473	17 434	$14 767
CASHIERS	3 995	870	1 789	601	341	186	118	68	22	$3 961	$6 165	967	$11 522
SALES RELATED OCCUPATIONS	295	15	19	28	37	45	58	75	18	$20 217	$19 910	213	$21 633

TABLE 222. OCCUPATION OF THE EXPERIENCED CIVILIAN LABOR FORCE BY EARNINGS IN 1979, LABOR FORCE STATUS IN 1979, 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]

MINNESOTA

	PERSONS WITH EARNINGS IN 1979											WORKED YEAR ROUND FULL TIME IN 1979	
	16 YEARS AND OVER	$1 TO $1,999 OR LOSS	$2,000 TO $5,999	$6,000 TO $9,999	$10,000 TO $14,999	$15,000 TO $19,999	$20,000 TO $24,999	$25,000 TO $49,999	$50,000 OR MORE	MEDIAN EARNINGS	MEAN EARNINGS	TOTAL	MEDIAN EARNINGS
TOTAL													
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL	66 610	4 048	9 103	7 590	12 645	16 960	10 062	5 795	407	$14 962	$14 603	46 546	$16 855
SUPERVISORS, ADMINISTRATIVE SUPPORT OCCUPATIONS	7 521	102	258	317	1 188	1 802	1 844	1 916	94	$20 169	$20 524	6 708	$20 637
COMPUTER EQUIPMENT OPERATORS	2 737	104	326	433	774	623	321	151	5	$13 054	$13 509	1 997	$15 145
SECRETARIES, STENOGRAPHERS, AND TYPISTS	1 296	99	305	214	214	99	150	194	21	$10 484	$13 427	726	$17 333
SECRETARIES	743	75	223	154	122	60	40	60	9	$8 323	$10 833	345	$13 817
RECEPTIONISTS	467	76	206	87	35	43	20	-	-	$4 417	$6 446	92	$14 637
FILE CLERKS	1 069	148	262	148	127	210	128	46	-	$9 412	$10 793	538	$16 401
FINANCIAL RECORDS PROCESSING OCCUPATIONS	5 190	246	802	708	1 308	1 019	645	394	68	$12 938	$14 106	3 567	$15 818
BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS	3 902	222	653	551	1 040	656	422	302	56	$12 311	$13 607	2 675	$15 068
TELEPHONE OPERATORS	442	47	108	55	86	64	51	31	-	$10 458	$11 807	260	$15 894
MAIL AND MESSAGE DISTRIBUTING OCCUPATIONS	9 705	585	994	699	846	3 759	2 317	475	30	$16 636	$15 718	7 274	$17 958
TRAFFIC, SHIPPING, STOCK AND INVENTORY CLERKS	13 910	988	2 300	2 067	3 666	3 209	1 198	461	21	$12 299	$12 042	8 932	$15 030
INSURANCE ADJUSTERS, EXAMINERS, AND INVESTIGATORS	1 377	26	64	148	333	401	183	205	17	$16 021	$17 653	1 128	$17 203
BANK TELLERS	595	20	217	117	143	61	18	17	2	$7 754	$9 431	316	$12 171
DATA-ENTRY KEYERS	554	60	112	105	95	102	67	13	-	$10 000	$10 726	329	$15 540
OTHER ADMINISTRATIVE SUPPORT OCCUPATIONS	21 747	1 547	3 149	2 492	3 830	5 568	3 120	1 892	149	$14 777	$14 488	14 679	$16 896
SERVICE OCCUPATIONS	96 677	19 585	26 324	14 051	16 563	10 876	6 129	2 864	285	$6 689	$8 736	42 801	$13 560
PRIVATE HOUSEHOLD OCCUPATIONS	263	135	65	36	17	8	2	-	-	$1 920	$3 722	65	$8 688
PROTECTIVE SERVICE OCCUPATIONS	15 528	960	1 963	1 346	2 358	3 484	3 827	1 561	29	$16 236	$15 379	11 161	$18 931
FIREFIGHTING OCCUPATIONS	1 663	29	40	51	207	462	643	229	2	$20 168	$18 900	1 419	$20 514
POLICE AND DETECTIVES, PUBLIC SERVICE	4 928	88	115	161	692	1 336	1 897	619	20	$20 093	$19 174	4 409	$20 239
GUARDS	5 705	761	1 644	954	984	612	493	250	7	$7 642	$9 647	2 559	$14 149
OTHER PROTECTIVE SERVICE OCCUPATIONS	3 232	82	164	180	475	1 074	794	463	-	$17 791	$17 900	2 774	$18 882
SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD	80 886	18 490	24 296	12 669	14 188	7 384	2 300	1 303	256	$5 377	$7 477	31 575	$12 277
FOOD PREPARATION AND SERVICE OCCUPATIONS	31 067	10 300	11 425	4 198	3 033	1 258	465	305	83	$3 214	$5 283	7 383	$10 806
WAITERS AND FOOD COUNTER WORKERS	2 850	963	1 216	372	163	93	10	29	4	$3 058	$4 557	519	$7 610
COOKS	12 197	3 779	5 200	1 615	993	391	96	102	21	$3 143	$4 880	2 534	$10 336
HEALTH SERVICE OCCUPATIONS	4 912	779	1 580	1 189	918	267	81	61	37	$6 372	$7 770	1 979	$11 020
NURSING AIDES, ORDERLIES, AND ATTENDANTS	4 001	507	1 285	1 033	806	220	65	53	32	$6 883	$8 124	1 699	$10 991
CLEANING AND BUILDING SERVICE OCCUPATIONS EXC. HOUSEHOLD	38 359	6 216	9 592	6 077	9 105	5 192	1 439	650	88	$8 331	$8 938	19 221	$12 762
PERSONAL SERVICE OCCUPATIONS	6 548	1 195	1 699	1 205	1 132	667	315	287	48	$7 191	$9 107	2 992	$12 622
BARBERS, HAIRDRESSERS AND COSMETOLOGISTS	2 464	159	374	546	619	360	180	201	25	$11 037	$12 530	1 815	$12 681
FARMING, FORESTRY, AND FISHING OCCUPATIONS	90 348	17 624	19 893	15 073	15 054	8 607	5 245	6 921	1 931	$7 952	$10 581	66 776	$9 541
FARM OPERATORS AND MANAGERS	65 597	12 272	12 375	10 408	11 033	6 706	4 586	6 374	1 843	$9 098	$11 773	55 154	$9 518
FARM OCCUPATIONS, EXCEPT MANAGERIAL	16 483	4 189	5 307	3 164	2 360	752	310	346	55	$4 756	$6 522	8 038	$7 986
RELATED AGRICULTURAL OCCUPATIONS	5 323	752	1 445	892	1 081	849	231	60	13	$8 177	$9 020	2 321	$13 980
FORESTRY AND FISHING OCCUPATIONS	2 945	411	766	609	580	300	118	141	20	$7 931	$9 572	1 263	$11 712
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS	211 148	8 059	18 863	24 898	42 632	48 588	39 641	26 882	1 585	$15 825	$16 088	146 595	$17 781
MECHANICS AND REPAIRERS	66 889	2 816	6 035	7 814	14 739	16 415	12 533	6 325	212	$15 417	$15 212	50 960	$16 752
AUTOMOBILE MECHANICS, INCLUDING BODY	22 311	1 190	2 708	3 672	6 150	4 830	2 462	1 236	63	$12 774	$13 095	16 437	$14 470
AIRCRAFT MECHANICS	2 034	23	75	84	167	305	524	850	6	$23 066	$21 841	1 730	$24 664
HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS	1 463	37	108	141	341	368	273	195	-	$16 027	$16 095	1 107	$17 460
OTHER MECHANICS AND REPAIRERS	41 081	1 566	3 144	3 917	8 081	10 912	9 274	4 044	143	$16 296	$16 002	31 686	$17 689
CONSTRUCTION TRADES	83 196	3 452	8 721	12 002	16 479	16 213	14 125	11 270	934	$15 203	$15 827	46 334	$18 579
CARPENTERS	27 308	1 430	3 768	5 596	6 580	4 868	3 341	1 539	186	$12 050	$12 912	12 551	$15 428
ELECTRICIANS	9 507	233	498	754	1 474	1 899	2 389	2 202	58	$19 630	$18 772	7 149	$20 712
PAINTERS, CONSTRUCTION AND MAINTENANCE	5 626	508	1 051	980	1 103	982	601	377	24	$11 015	$12 001	2 553	$16 218
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	7 762	197	666	680	1 338	1 319	1 699	1 802	61	$18 493	$18 072	5 394	$20 303
OTHER CONSTRUCTION TRADES	32 993	1 084	2 738	3 992	5 984	7 145	6 095	5 350	605	$16 472	$17 516	18 687	$20 134
EXTRACTIVE OCCUPATIONS	2 394	23	80	135	197	411	677	845	26	$22 099	$21 625	1 954	$23 518
PRECISION PRODUCTION OCCUPATIONS	58 669	1 768	4 027	4 947	11 217	15 549	12 306	8 442	413	$16 864	$17 229	47 347	$18 109
SUPERVISORS, PRODUCTION OCCUPATIONS	22 150	368	687	940	3 427	6 005	5 577	4 868	278	$19 586	$20 074	19 574	$20 211
MANUFACTURING	15 561	244	392	586	2 367	4 322	4 076	3 367	207	$19 784	$20 251	13 807	$20 299
PRECISION METALWORKING OCCUPATIONS	15 577	415	977	1 409	3 183	4 418	3 557	1 557	61	$16 530	$16 537	12 006	$17 692
TOOL AND DIE MAKERS	3 146	27	181	202	400	895	862	566	13	$18 983	$18 503	2 676	$20 160
MACHINISTS	8 735	242	545	972	1 963	2 710	1 732	555	16	$15 785	$15 548	6 660	$16 784
SHEET METAL WORKERS	2 278	89	164	123	447	492	647	297	19	$17 792	$17 767	1 656	$19 774
OTHER PRECISION METAL WORKERS	1 418	57	87	112	373	321	316	139	13	$15 910	$16 298	1 014	$16 744
PRECISION TEXTILE, APPAREL, AND FURNISHINGS MACHINE WORKERS	1 473	136	290	279	415	238	57	50	8	$10 307	$10 615	996	$12 043
PLANT AND SYSTEM OPERATORS	4 830	55	156	245	890	1 735	1 126	617	6	$17 480	$17 952	4 217	$18 050
OTHER PRECISION PRODUCTION OCCUPATIONS	14 639	794	1 917	2 074	3 302	3 153	1 989	1 350	60	$13 734	$14 086	10 554	$15 854

TABLE 222. OCCUPATION OF THE EXPERIENCED CIVILIAN LABOR FORCE BY EARNINGS IN 1979, LABOR FORCE STATUS IN 1979, SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

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MINNESOTA

	PERSONS WITH EARNINGS IN 1979											WORKED YEAR ROUND FULL TIME IN 1979	
	16 YEARS AND OVER	$1 TO $1,999 OR LOSS	$2,000 TO $5,999	$6,000 TO $9,999	$10,000 TO $14,999	$15,000 TO $19,999	$20,000 TO $24,999	$25,000 TO $49,999	$50,000 OR MORE	MEDIAN EARNINGS	MEAN EARNINGS	TOTAL	MEDIAN EARNINGS
TOTAL													
OPERATORS, FABRICATORS, AND LABORERS	247 425	19 517	37 554	36 139	55 556	51 539	29 784	16 278	1 058	$12 650	$12 912	140 375	$15 916
MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS	94 426	5 102	11 384	14 000	25 053	23 107	11 017	4 637	126	$13 204	$13 143	62 240	$15 459
MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION	58 652	2 846	6 903	8 594	15 213	14 546	7 187	3 274	89	$13 475	$13 450	39 802	$15 622
METALWORKING AND PLASTIC WORKING MACHINE OPERATORS	9 510	458	1 044	1 409	2 920	2 487	860	312	20	$13 060	$12 879	6 429	$15 152
PRINTING MACHINE OPERATORS	8 012	294	709	854	1 432	1 924	1 608	1 169	22	$16 421	$16 575	6 409	$17 959
TEXTILE, APPAREL, AND FURNISHINGS MACHINE OPERATORS	1 830	144	336	437	440	362	73	34	4	$9 978	$10 356	1 060	$12 652
TEXTILE MACHINE OPERATORS	516	36	61	101	116	150	41	11	-	$12 267	$12 062	314	$15 189
TEXTILE SEWING MACHINE OPERATORS	152	4	21	46	34	35	8	-	4	$10 417	$12 391	91	$14 776
LAUNDERING AND DRYCLEANING MACHINE OPERATORS	905	92	204	238	228	101	24	18	-	$8 036	$8 912	477	$11 703
OTHER SPECIFIED MACHINE OPERATORS	20 659	1 058	2 682	3 214	5 355	5 077	2 385	878	10	$13 015	$12 861	13 507	$15 408
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS	18 641	892	2 132	2 680	5 066	4 696	2 261	881	33	$13 445	$13 354	12 397	$15 520
OCCUPATION:													
MISCELLANEOUS MACHINE OPERATORS, N.E.C.	5 071	238	527	604	1 341	1 350	742	260	9	$14 285	$13 998	3 499	$15 842
MACHINE OPERATORS, NOT SPECIFIED	13 570	654	1 605	2 076	3 725	3 346	1 519	621	24	$13 150	$13 113	8 898	$15 403
INDUSTRY:													
MANUFACTURING	15 306	648	1 630	2 162	4 345	3 987	1 860	659	15	$13 572	$13 423	10 480	$15 463
NONDURABLE GOODS	6 023	277	607	754	1 577	1 627	846	333	2	$14 295	$13 876	4 276	$15 838
FOOD AND KINDRED PRODUCTS	1 886	79	182	198	577	569	197	84	-	$14 148	$13 787	1 304	$15 576
TEXTILE MILL AND FINISHED TEXTILE PRODUCTS	147	17	18	33	57	17	5	-	-	$10 314	$9 727	64	$11 571
PAPER AND ALLIED PRODUCTS	1 887	17	85	187	337	617	507	137	-	$16 983	$16 731	1 543	$17 812
OTHER NONDURABLE GOODS	2 103	164	322	336	606	424	137	112	2	$11 987	$11 683	1 365	$14 023
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG	9 283	371	1 023	1 408	2 768	2 360	1 014	326	13	$13 162	$13 129	6 204	$15 234
METAL INDUSTRIES	2 635	98	307	337	700	814	292	79	8	$13 873	$13 496	1 818	$15 421
MACHINERY, INCLUDING ELECTRICAL	3 849	125	445	533	1 138	983	475	150	-	$13 593	$13 352	2 570	$15 580
TRANSPORTATION EQUIPMENT	440	28	32	88	166	78	30	18	-	$12 162	$12 598	256	$14 170
OTHER DURABLE GOODS	2 359	120	239	450	764	485	217	79	5	$12 145	$12 456	1 560	$14 054
NONMANUFACTURING INDUSTRIES	3 335	244	502	518	721	709	401	222	18	$12 700	$13 035	1 917	$15 911
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	812	24	61	104	173	233	147	70	-	$15 621	$15 285	556	$17 722
WHOLESALE AND RETAIL TRADE	1 180	73	180	203	276	270	119	52	7	$12 404	$12 548	723	$15 076
ALL OTHER INDUSTRIES	1 343	147	261	211	272	206	135	100	11	$10 802	$12 102	638	$15 207
FABRICATORS, ASSEMBLERS, AND HAND WORKING OCCUPATIONS	30 109	2 013	4 005	4 747	8 396	6 947	2 880	1 084	37	$12 479	$12 318	18 412	$14 991
WELDERS AND CUTTERS	14 087	649	1 287	2 009	4 038	3 780	1 589	721	14	$13 709	$13 573	9 257	$15 423
ASSEMBLERS	14 619	1 244	2 518	2 527	4 028	2 913	1 086	283	20	$11 243	$11 081	8 287	$13 964
OTHER FABRICATORS AND HAND WORKING OCCUPATIONS	1 403	120	200	211	330	254	205	80	3	$12 211	$12 603	868	$15 867
PRODUCTION INSPECTORS, TESTERS, SAMPLERS, AND WEIGHERS	5 665	243	476	659	1 444	1 614	950	279	-	$15 019	$14 363	4 026	$16 187
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	82 191	3 632	8 881	10 808	17 495	17 630	13 228	9 742	775	$15 053	$15 405	49 221	$17 500
MOTOR VEHICLE OPERATORS	58 700	2 948	7 255	8 194	12 260	11 573	8 818	6 959	693	$14 360	$15 093	35 792	$17 224
TRUCK DRIVERS AND DRIVER-SALES WORKERS	49 714	2 103	4 640	6 612	10 816	10 403	8 024	6 451	665	$15 226	$15 908	31 430	$17 613
BUS DRIVERS	6 108	510	1 869	1 038	825	913	577	355	21	$8 560	$10 781	2 843	$15 625
RAIL AND WATER TRANSPORTATION OCCUPATIONS	4 586	60	123	155	293	949	1 348	1 649	9	$22 137	$22 339	3 269	$23 419
MATERIAL MOVING EQUIPMENT OPERATORS	18 905	624	1 503	2 459	4 942	5 108	3 062	1 134	73	$14 908	$14 694	10 160	$16 553
EXCAVATING, GRADING, AND DOZER MACHINE OPERATORS	2 555	94	211	426	737	509	340	217	21	$13 595	$14 428	994	$16 781
HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS	70 808	10 783	17 289	11 331	13 008	10 802	5 539	1 899	157	$8 568	$9 711	28 914	$15 162
CONSTRUCTION LABORERS	14 039	853	2 254	2 671	3 957	2 797	1 076	386	45	$11 537	$11 612	5 075	$15 415
FREIGHT, STOCK, AND MATERIAL HANDLERS	20 882	4 976	6 715	2 590	2 304	2 131	1 534	581	51	$4 677	$7 994	6 617	$15 516
GARAGE AND SERVICE STATION RELATED OCCUPATIONS	6 475	1 589	2 561	1 141	639	257	178	96	14	$3 911	$5 961	1 932	$10 368
HAND PACKERS AND PACKAGERS	3 001	381	747	453	626	462	262	70	-	$9 312	$9 973	1 495	$14 536
OTHER SPECIFIED HANDLERS, EQUIPMENT CLEANERS, AND HELPERS	5 609	980	1 294	904	930	843	503	149	6	$8 460	$9 537	2 436	$15 307
LABORERS, EXCEPT CONSTRUCTION	20 802	2 004	3 718	3 572	4 552	4 312	1 986	617	41	$11 171	$11 326	11 359	$15 332
MANUFACTURING	8 410	651	1 389	1 577	2 175	1 487	758	340	33	$11 413	$11 710	4 755	$14 579
NONDURABLE GOODS	4 432	352	678	761	1 027	872	489	235	18	$12 204	$12 337	2 603	$15 414
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG.	3 978	299	711	816	1 148	615	269	105	15	$10 701	$11 012	2 152	$13 511
METAL INDUSTRIES	1 139	83	225	259	316	148	95	13	-	$10 037	$10 465	638	$13 005
NONMANUFACTURING INDUSTRIES	12 392	1 353	2 329	1 995	2 377	2 825	1 228	277	8	$10 980	$11 066	6 604	$15 625
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	3 235	191	350	519	753	992	359	65	6	$13 451	$12 773	1 892	$16 080
WHOLESALE AND RETAIL TRADE	6 363	609	1 259	1 077	1 217	1 376	665	158	2	$10 807	$11 120	3 544	$15 469
ALL OTHER INDUSTRIES	2 794	553	720	399	407	457	204	54	-	$7 064	$8 965	1 168	$15 085
EXPERIENCED UNEMPLOYED NOT CLASSIFIED BY OCCUPATION	464	33	190	172	59	10	-	-	-	$6 120	$6 329	184	$7 224

TABLE 222. OCCUPATION OF THE EXPERIENCED CIVILIAN LABOR FORCE BY EARNINGS IN 1979, LABOR FORCE STATUS IN 1979, 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]

MINNESOTA

	PERSONS WITH EARNINGS IN 1979											WORKED YEAR ROUND FULL TIME IN 1979	
	16 YEARS AND OVER	$1 TO $1,999 OR LOSS	$2,000 TO $5,999	$6,000 TO $9,999	$10,000 TO $14,999	$15,000 TO $19,999	$20,000 TO $24,999	$25,000 TO $49,999	$50,000 OR MORE	MEDIAN EARNINGS	MEAN EARNINGS	TOTAL	MEDIAN EARNINGS
TOTAL													
FEMALE EXPERIENCED CIVILIAN LABOR FORCE	816 418	131 654	242 055	203 528	157 386	55 682	17 181	7 758	1 174	$6 662	$7 483	342 142	$10 348
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS	170 243	14 811	31 973	33 139	47 053	28 583	9 880	4 322	482	$10 532	$10 746	74 306	$13 232
EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS	56 216	3 453	8 727	12 631	17 100	8 468	3 300	2 280	257	$10 858	$11 478	38 053	$12 575
OFFICIALS AND ADMINISTRATORS, PUBLIC ADMINISTRATION	1 640	83	246	338	428	334	128	77	6	$11 729	$12 163	1 123	$13 548
ADMINISTRATORS, EDUCATION AND RELATED FIELDS	1 797	212	347	296	342	253	170	177	-	$10 551	$11 926	722	$15 223
MANAGERS, MEDICINE AND HEALTH	1 098	50	125	168	309	240	144	51	11	$13 099	$13 541	772	$15 570
OTHER SPECIFIED MANAGERS	8 125	460	1 172	1 590	2 370	1 298	689	499	47	$11 527	$12 410	5 779	$13 253
MANAGERS AND ADMINISTRATORS, N.E.C., SALARIED	22 699	1 222	3 586	5 306	6 824	3 335	1 291	1 013	122	$10 801	$11 627	15 400	$12 564
MANUFACTURING	2 808	49	196	448	951	634	238	245	47	$13 401	$15 555	2 222	$14 835
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	1 130	31	85	141	272	267	212	116	6	$15 461	$15 670	929	$16 648
WHOLESALE AND RETAIL TRADE	7 038	464	1 336	2 166	1 939	757	188	152	36	$9 202	$9 798	4 710	$10 787
ALL OTHER INDUSTRIES	11 723	678	1 969	2 551	3 662	1 677	653	500	33	$10 868	$11 394	7 539	$12 821
MANAGERS AND ADMINISTRATORS, N.E.C., SELF-EMPLOYED	2 362	493	827	556	261	76	87	44	18	$5 396	$6 517	1 412	$6 063
CONSTRUCTION	42	2	32	5	3	-	-	-	-	$3 760	$4 465	22	$3 500
MANUFACTURING	153	16	79	48	2	6	-	2	-	$4 750	$4 509	63	$5 625
WHOLESALE AND RETAIL TRADE	1 247	262	417	325	131	40	32	24	16	$5 552	$6 614	808	$6 427
ALL OTHER INDUSTRIES	920	213	299	178	125	30	55	18	2	$5 422	$6 814	519	$5 918
MANAGEMENT RELATED OCCUPATIONS	18 495	933	2 424	4 377	6 566	2 932	791	419	53	$11 042	$11 292	12 845	$12 494
ACCOUNTANTS AND AUDITORS	7 801	376	1 010	2 113	2 918	1 066	205	97	16	$10 565	$10 641	5 382	$11 921
BUYERS AND PURCHASING AGENTS	2 686	48	357	695	915	471	93	107	-	$11 209	$11 606	2 070	$12 529
PROFESSIONAL SPECIALTY OCCUPATIONS	114 027	11 358	23 246	20 508	29 953	20 115	6 580	2 042	225	$10 321	$10 385	36 253	$13 947
ENGINEERS, ARCHITECTS, AND SURVEYORS	1 227	27	145	173	382	374	113	13	-	$13 437	$13 024	844	$15 234
ARCHITECTS	150	-	42	16	36	56	-	-	-	$12 411	$11 368	82	$15 134
ENGINEERS	1 060	26	103	153	344	308	113	13	-	$13 517	$13 271	760	$15 211
ELECTRICAL AND ELECTRONIC ENGINEERS	169	2	35	30	30	40	30	2	-	$13 186	$12 932	102	$16 952
MECHANICAL ENGINEERS	30	-	17	7	-	2	2	2	-	$5 600	$9 654	4	$32 500
OTHER ENGINEERS	861	24	51	116	314	266	81	9	-	$13 684	$13 464	654	$14 977
SURVEYORS AND MAPPING SCIENTISTS	17	1	-	4	2	10	-	-	-	$15 110	$12 199	2	$7 000
MATHEMATICAL AND COMPUTER SCIENTISTS	1 569	18	116	146	492	436	273	88	-	$15 086	$15 047	1 192	$16 392
COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS	985	-	46	73	293	298	220	55	-	$15 917	$16 117	765	$17 308
NATURAL SCIENTISTS	913	44	175	118	279	217	67	13	-	$12 432	$11 651	592	$14 828
HEALTH DIAGNOSING OCCUPATIONS	1 123	54	99	214	255	137	48	178	138	$13 724	$21 608	591	$19 231
PHYSICIANS	762	9	33	125	172	102	48	155	118	$16 728	$25 213	456	$23 601
DENTISTS	162	20	32	38	44	13	-	9	6	$9 471	$14 866	56	$12 735
OTHER HEALTH DIAGNOSING PRACTITIONERS	199	25	34	51	39	22	-	14	14	$8 500	$13 291	79	$13 970
HEALTH ASSESSMENT AND TREATING OCCUPATIONS	32 809	1 729	5 862	7 443	9 921	6 374	1 147	314	19	$10 691	$10 535	13 930	$14 837
REGISTERED NURSES	27 935	1 382	4 841	6 414	8 373	5 763	879	271	12	$10 832	$10 632	11 787	$15 060
PHARMACISTS	633	29	151	106	109	95	115	21	7	$10 871	$12 417	273	$20 128
THERAPISTS	3 014	227	623	604	1 094	339	115	12	-	$10 221	$9 675	1 239	$12 642
TEACHERS, LIBRARIANS, AND COUNSELORS	55 923	6 863	11 884	8 230	13 950	10 342	3 776	830	48	$10 372	$10 224	9 335	$13 282
TEACHERS, POSTSECONDARY	3 814	587	853	589	621	728	218	211	7	$8 674	$10 362	866	$16 376
TEACHERS, ELEMENTARY AND PRE-KINDERGARTEN	31 275	3 060	6 226	4 757	8 312	6 244	2 407	252	17	$11 029	$10 650	4 333	$12 792
TEACHERS, SECONDARY	11 646	1 127	2 419	1 577	3 441	2 222	665	184	11	$11 036	$10 554	1 576	$13 137
SOCIAL SCIENTISTS AND URBAN PLANNERS	1 249	73	152	226	324	233	154	76	11	$12 379	$13 756	671	$14 393
SOCIAL AND RECREATION WORKERS	6 720	459	1 348	1 488	1 909	904	481	131	-	$10 173	$10 443	3 696	$12 953
RELIGIOUS WORKERS	1 241	180	498	292	179	67	9	16	-	$5 551	$6 705	496	$9 152
LAWYERS AND JUDGES	1 266	79	206	157	327	188	161	148	-	$12 838	$13 858	760	$16 755
WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES	9 987	1 832	2 761	2 021	1 935	843	351	235	9	$6 759	$7 908	4 146	$11 631
TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS	364 841	51 101	105 397	106 834	75 887	18 242	4 743	2 233	404	$7 000	$7 340	171 464	$10 137
TECHNICIANS AND RELATED SUPPORT OCCUPATIONS	28 953	1 869	6 820	8 297	8 289	2 792	620	238	28	$8 900	$9 042	14 316	$11 792
HEALTH TECHNOLOGISTS AND TECHNICIANS	19 348	1 157	5 224	6 316	5 214	1 182	204	37	14	$8 253	$8 231	8 483	$11 047
LICENSED PRACTICAL NURSES	9 878	664	3 045	3 661	2 274	188	27	12	7	$7 527	$7 286	3 776	$10 279
ENGINEERING AND SCIENCE TECHNICIANS	4 063	419	790	878	1 280	538	119	33	6	$9 757	$9 471	2 285	$12 479
ELECTRICAL AND ELECTRONIC TECHNICIANS	718	17	82	175	276	137	14	17	-	$11 789	$11 263	496	$13 098
DRAFTING AND SURVEYING TECHNICIANS	693	93	129	184	207	73	7	-	-	$8 632	$8 453	338	$12 201
TECHNICIANS, EXCEPT HEALTH, ENGINEERING, AND SCIENCE	5 542	293	806	1 103	1 795	1 072	297	168	8	$11 727	$11 557	3 548	$13 605
AIRPLANE PILOTS AND NAVIGATORS	20	6	-	-	2	12	-	-	-	$15 123	$11 771	8	$15 267
COMPUTER PROGRAMMERS	2 492	87	210	405	777	707	226	72	8	$13 482	$13 359	1 787	$15 153
SALES OCCUPATIONS	87 428	22 583	34 822	16 118	8 365	3 181	1 273	929	157	$3 968	$5 567	25 147	$9 255
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS	6 379	812	1 640	1 695	1 374	545	195	94	24	$7 603	$8 410	3 938	$9 955
SELF-EMPLOYED	1 616	440	537	182	232	137	68	13	7	$4 473	$6 528	912	$5 959
SALES REPRESENTATIVES, FINANCE AND BUSINESS SERVICES	11 048	1 024	2 006	2 606	2 901	1 364	620	472	55	$9 838	$10 782	6 147	$12 398
SALES REPRESENTATIVES, COMMODITIES, EXCEPT RETAIL	3 461	388	767	507	1 073	397	148	151	30	$10 301	$10 684	1 944	$12 660
SALES WORKERS, RETAIL AND PERSONAL SERVICES	66 122	20 223	30 246	11 253	2 973	859	308	212	48	$3 272	$4 159	13 029	$7 536
CASHIERS	24 547	7 220	11 126	4 468	1 178	438	47	57	13	$3 322	$4 225	4 474	$7 871
SALES RELATED OCCUPATIONS	418	136	163	57	44	16	2	-	-	$3 439	$4 663	89	$9 952

TABLE 222. OCCUPATION OF THE EXPERIENCED CIVILIAN LABOR FORCE BY EARNINGS IN 1979, LABOR FORCE STATUS IN 1979, SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

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MINNESOTA

	PERSONS WITH EARNINGS IN 1979											WORKED YEAR ROUND FULL TIME IN 1979	
	16 YEARS AND OVER	$1 TO $1,999 OR LOSS	$2,000 TO $5,999	$6,000 TO $9,999	$10,000 TO $14,999	$15,000 TO $19,999	$20,000 TO $24,999	$25,000 TO $49,999	$50,000 OR MORE	MEDIAN EARNINGS	MEAN EARNINGS	TOTAL	MEDIAN EARNINGS
TOTAL													
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL	248 460	26 649	63 755	82 419	59 233	12 269	2 850	1 066	219	$7 769	$7 766	132 001	$10 072
SUPERVISORS, ADMINISTRATIVE SUPPORT OCCUPATIONS	7 420	214	607	1 507	3 098	1 297	495	191	11	$12 089	$12 245	6 108	$12 758
COMPUTER EQUIPMENT OPERATORS	4 481	242	931	1 402	1 551	308	31	16	-	$9 174	$8 830	2 872	$10 821
SECRETARIES, STENOGRAPHERS, AND TYPISTS	86 009	8 103	20 852	30 593	22 227	3 224	638	321	51	$8 033	$7 802	46 644	$10 004
SECRETARIES	72 457	6 203	16 794	26 017	19 696	2 930	523	243	51	$8 233	$7 983	40 351	$10 114
RECEPTIONISTS	10 779	1 933	3 586	3 909	1 208	103	18	17	5	$5 857	$5 835	4 400	$8 665
FILE CLERKS	3 217	719	1 116	898	410	53	9	12	-	$4 865	$5 583	1 144	$9 094
FINANCIAL RECORDS PROCESSING OCCUPATIONS	42 956	3 916	11 163	15 019	10 221	1 925	454	197	61	$7 738	$7 851	23 663	$9 846
BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS	36 609	3 500	9 851	12 617	8 507	1 533	381	170	50	$7 605	$7 735	19 688	$9 790
TELEPHONE OPERATORS	3 521	313	846	1 162	1 031	116	26	27	-	$8 141	$7 984	1 821	$10 530
MAIL AND MESSAGE DISTRIBUTING OCCUPATIONS	4 500	593	1 193	1 093	596	675	312	32	6	$7 534	$8 932	1 984	$13 308
TRAFFIC, SHIPPING, STOCK AND INVENTORY CLERKS	6 001	530	1 470	2 012	1 526	374	66	6	17	$8 317	$8 194	3 453	$10 173
INSURANCE ADJUSTERS, EXAMINERS, AND INVESTIGATORS	2 137	80	227	749	910	143	28	-	-	$10 054	$9 719	1 594	$10 951
BANK TELLERS	7 684	647	2 371	3 825	722	79	27	13	-	$6 792	$6 528	4 167	$8 257
DATA-ENTRY KEYERS	8 038	639	1 948	3 041	2 054	319	25	6	6	$8 193	$7 766	4 332	$9 980
OTHER ADMINISTRATIVE SUPPORT OCCUPATIONS	61 717	8 720	17 445	17 209	13 679	3 653	721	228	62	$7 176	$7 440	29 819	$10 428
SERVICE OCCUPATIONS	168 180	49 239	72 983	31 805	10 196	2 515	930	386	126	$3 590	$4 521	41 474	$7 626
PRIVATE HOUSEHOLD OCCUPATIONS	6 165	3 581	2 082	347	70	52	22	11	-	$1 596	$2 397	1 045	$3 592
PROTECTIVE SERVICE OCCUPATIONS	1 798	569	507	282	236	135	69	-	-	$3 953	$6 234	602	$11 948
FIREFIGHTING OCCUPATIONS	14	12	-	-	-	2	-	-	-	$1,000-	$3 126	2	$15 439
POLICE AND DETECTIVES, PUBLIC SERVICE	175	11	11	34	43	37	39	-	-	$12 937	$12 894	131	$15 993
GUARDS	1 259	510	424	163	120	22	20	-	-	$2 964	$4 353	273	$9 383
OTHER PROTECTIVE SERVICE OCCUPATIONS	350	36	72	85	73	74	10	-	-	$9 265	$9 793	196	$13 939
SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD	160 217	45 089	70 394	31 176	9 890	2 328	839	375	126	$3 674	$4 583	39 827	$7 658
FOOD PREPARATION AND SERVICE OCCUPATIONS	71 242	23 530	34 423	10 011	2 573	337	154	167	47	$3 095	$3 806	12 585	$6 959
WAITERS AND FOOD COUNTER WORKERS	35 422	13 964	16 851	3 565	784	108	53	83	14	$2 629	$3 212	4 587	$5 935
COOKS	17 234	3 649	9 305	3 281	755	134	45	42	23	$3 925	$4 765	4 060	$7 313
HEALTH SERVICE OCCUPATIONS	38 702	6 981	15 923	11 889	3 321	394	105	39	50	$4 971	$5 553	13 329	$8 166
NURSING AIDES, ORDERLIES, AND ATTENDANTS	29 773	5 539	12 621	8 647	2 483	326	87	29	41	$4 836	$5 322	9 963	$7 985
CLEANING AND BUILDING SERVICE OCCUPATIONS EXC. HOUSEHOLD	18 187	5 386	7 252	3 707	1 441	246	71	64	20	$3 662	$4 697	5 052	$8 237
PERSONAL SERVICE OCCUPATIONS	32 086	9 192	12 796	5 569	2 555	1 351	509	105	9	$3 823	$5 075	8 861	$7 436
BARBERS, HAIRDRESSERS AND COSMETOLOGISTS	8 786	1 444	3 306	2 377	1 142	337	116	62	2	$5 512	$6 209	3 319	$8 369
FARMING, FORESTRY, AND FISHING OCCUPATIONS	11 455	4 085	4 225	1 673	819	287	135	190	41	$3 305	$4 614	5 845	$4 707
FARM OPERATORS AND MANAGERS	5 894	2 007	2 168	756	479	191	110	153	30	$3 525	$5 038	3 981	$3 918
FARM OCCUPATIONS, EXCEPT MANAGERIAL	4 155	1 710	1 470	635	217	75	21	23	4	$2 766	$3 844	1 540	$5 698
RELATED AGRICULTURAL OCCUPATIONS	1 237	343	508	236	111	21	4	14	-	$3 937	$4 898	291	$7 923
FORESTRY AND FISHING OCCUPATIONS	169	25	79	46	12	-	-	-	7	$4 712	$6 711	33	$7 923
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS	18 656	2 167	4 527	4 902	4 444	1 710	628	268	10	$8 133	$8 666	10 007	$10 979
MECHANICS AND REPAIRERS	2 102	171	248	489	636	347	164	39	8	$10 914	$11 406	1 405	$12 861
AUTOMOBILE MECHANICS, INCLUDING BODY	160	14	34	26	45	32	9	-	-	$10 632	$10 478	90	$11 625
AIRCRAFT MECHANICS	18	7	1	-	5	-	5	-	-	$12 414	$10 051	11	$14 547
HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS	16	5	2	-	-	2	7	-	-	$17 165	$11 526	9	$20 298
OTHER MECHANICS AND REPAIRERS	1 908	145	211	463	586	313	143	39	8	$10 918	$11 495	1 295	$12 863
CONSTRUCTION TRADES	1 670	337	496	381	263	78	67	48	-	$6 022	$7 483	564	$10 575
CARPENTERS	411	76	138	99	69	8	16	5	-	$5 757	$7 002	94	$10 400
ELECTRICIANS	168	24	58	31	31	7	17	-	-	$6 235	$8 302	79	$12 644
PAINTERS, CONSTRUCTION AND MAINTENANCE	438	147	118	106	50	5	12	-	-	$4 038	$5 290	104	$9 243
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	60	8	10	14	18	8	-	2	-	$9 200	$9 299	27	$13 222
OTHER CONSTRUCTION TRADES	593	82	172	131	95	50	22	41	-	$7 328	$9 021	260	$10 977
EXTRACTIVE OCCUPATIONS	54	-	9	11	17	10	7	-	-	$12 197	$11 271	25	$16 572
PRECISION PRODUCTION OCCUPATIONS	14 830	1 659	3 774	4 021	3 528	1 275	390	181	2	$7 952	$8 401	8 013	$10 684
SUPERVISORS, PRODUCTION OCCUPATIONS	4 401	223	433	1 035	1 558	782	259	109	2	$11 447	$11 661	3 297	$12 537
MANUFACTURING	2 662	101	168	635	956	600	134	68	-	$12 073	$12 191	2 085	$12 942
PRECISION METALWORKING OCCUPATIONS	1 038	136	246	260	250	128	16	2	-	$8 063	$8 080	513	$10 920
TOOL AND DIE MAKERS	66	-	21	16	9	16	4	-	-	$8 000	$9 595	55	$10 500
MACHINISTS	474	45	86	139	146	51	5	2	-	$9 096	$8 675	273	$10 434
SHEET METAL WORKERS	64	-	5	16	29	14	-	-	-	$12 528	$11 672	26	$12 175
OTHER PRECISION METAL WORKERS	434	91	134	89	66	47	7	-	-	$5 600	$6 670	159	$11 320
PRECISION TEXTILE, APPAREL, AND FURNISHINGS MACHINE WORKERS	2 791	562	1 136	736	282	41	24	10	-	$4 700	$5 389	954	$7 908
PLANT AND SYSTEM OPERATORS	132	5	18	32	56	7	11	3	-	$10 917	$11 166	105	$11 792
OTHER PRECISION PRODUCTION OCCUPATIONS	6 468	733	1 941	1 958	1 382	317	80	57	-	$7 041	$7 477	3 144	$9 665

TABLE 222. OCCUPATION OF THE EXPERIENCED CIVILIAN LABOR FORCE BY EARNINGS IN 1979, LABOR FORCE STATUS IN 1979, 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]

MINNESOTA

	PERSONS WITH EARNINGS IN 1979											WORKED YEAR ROUND FULL TIME IN 1979	
	16 YEARS AND OVER	$1 TO $1,999 OR LOSS	$2,000 TO $5,999	$6,000 TO $9,999	$10,000 TO $14,999	$15,000 TO $19,999	$20,000 TO $24,999	$25,000 TO $49,999	$50,000 OR MORE	MEDIAN EARNINGS	MEAN EARNINGS	TOTAL	MEDIAN EARNINGS
TOTAL													
OPERATORS, FABRICATORS, AND LABORERS	82 976	10 232	22 931	25 165	18 970	4 345	863	359	111	$7 274	$7 554	39 035	$10 124
MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS	60 771	6 281	15 346	19 472	15 560	3 317	484	227	84	$7 752	$7 893	31 050	$10 194
MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION	30 693	3 430	8 602	10 092	6 547	1 553	275	136	58	$7 195	$7 560	15 149	$9 748
METALWORKING AND PLASTIC WORKING MACHINE OPERATORS	2 264	138	517	730	665	187	19	8	-	$8 760	$8 682	1 255	$10 861
PRINTING MACHINE OPERATORS	3 533	357	1 022	1 030	834	229	47	12	2	$7 419	$7 713	1 840	$10 473
TEXTILE, APPAREL, AND FURNISHINGS MACHINE OPERATORS	8 053	1 226	2 964	2 911	734	137	24	27	30	$5 806	$6 069	3 263	$7 779
TEXTILE MACHINE OPERATORS	573	65	121	183	147	45	-	1	11	$8 398	$9 175	336	$10 041
TEXTILE SEWING MACHINE OPERATORS	3 677	437	1 431	1 468	257	47	19	5	13	$5 934	$6 088	1 355	$7 500
LAUNDERING AND DRYCLEANING MACHINE OPERATORS	2 838	643	1 136	823	188	30	5	7	6	$4 565	$5 062	998	$7 396
OTHER SPECIFIED MACHINE OPERATORS	6 881	843	1 905	2 323	1 392	327	51	20	20	$7 184	$7 479	3 304	$9 719
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS	9 962	866	2 194	3 098	2 922	673	134	69	6	$8 418	$8 511	5 487	$10 731
OCCUPATION: MISCELLANEOUS MACHINE OPERATORS, N.E.C.	2 872	290	671	942	675	236	34	20	4	$8 117	$8 237	1 498	$10 274
MACHINE OPERATORS, NOT SPECIFIED	7 090	576	1 523	2 156	2 247	437	100	49	2	$8 569	$8 622	3 989	$10 851
INDUSTRY: MANUFACTURING	8 434	593	1 779	2 581	2 695	609	112	59	6	$8 791	$8 828	4 874	$10 941
NONDURABLE GOODS	3 751	351	899	1 217	1 020	202	32	28	2	$7 837	$8 119	1 993	$10 304
FOOD AND KINDRED PRODUCTS	1 153	113	317	380	279	35	15	14	-	$7 242	$7 712	531	$10 244
TEXTILE MILL AND FINISHED TEXTILE PRODUCTS	268	13	75	121	49	10	-	-	-	$7 243	$7 288	123	$9 083
PAPER AND ALLIED PRODUCTS	599	17	71	160	255	88	-	8	-	$10 644	$10 344	437	$11 193
OTHER NONDURABLE GOODS	1 731	208	436	556	437	69	17	6	2	$7 434	$7 750	902	$9 856
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG	4 683	242	880	1 364	1 675	407	80	31	4	$9 576	$9 396	2 881	$11 408
METAL INDUSTRIES	786	36	90	150	334	146	30	-	-	$12 279	$11 067	537	$13 084
MACHINERY, INCLUDING ELECTRICAL	2 097	112	362	601	808	169	28	15	2	$9 842	$9 563	1 336	$11 498
TRANSPORTATION EQUIPMENT	119	3	18	52	46	-	-	-	-	$9 206	$8 196	53	$10 600
OTHER DURABLE GOODS	1 681	91	410	561	487	92	22	16	2	$8 228	$8 491	955	$10 276
NONMANUFACTURING INDUSTRIES	1 528	273	415	517	227	64	22	10	-	$6 615	$6 760	613	$9 220
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	73	-	12	28	14	14	5	-	-	$9 650	$11 479	18	$15 289
WHOLESALE AND RETAIL TRADE	808	161	247	255	114	16	13	2	-	$5 943	$6 111	302	$8 723
ALL OTHER INDUSTRIES	647	112	156	234	99	34	4	8	-	$7 018	$7 038	293	$9 447
FABRICATORS, ASSEMBLERS, AND HAND WORKING OCCUPATIONS	23 759	2 352	5 507	7 503	6 941	1 206	161	67	22	$8 234	$8 059	12 140	$10 476
WELDERS AND CUTTERS	768	25	150	197	316	63	17	-	-	$10 154	$9 494	435	$11 713
ASSEMBLERS	21 479	2 144	4 971	6 801	6 278	1 069	133	61	22	$8 223	$8 051	10 929	$10 460
OTHER FABRICATORS AND HAND WORKING OCCUPATIONS	1 512	183	386	505	347	74	11	6	-	$7 545	$7 456	776	$9 807
PRODUCTION INSPECTORS, TESTERS, SAMPLERS, AND WEIGHERS	6 319	499	1 237	1 877	2 072	558	48	24	4	$9 076	$8 884	3 761	$11 013
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	5 464	701	2 183	1 316	737	277	170	69	11	$5 683	$7 091	1 668	$11 014
MOTOR VEHICLE OPERATORS	4 438	645	2 077	1 009	417	141	103	38	8	$4 860	$6 125	1 050	$10 263
TRUCK DRIVERS AND DRIVER-SALES WORKERS	1 311	146	453	303	240	82	58	24	5	$6 748	$8 186	536	$11 351
BUS DRIVERS	2 720	415	1 452	608	126	57	45	14	3	$4 333	$5 286	396	$9 472
RAIL AND WATER TRANSPORTATION OCCUPATIONS	131	23	5	42	16	22	13	10	-	$9 763	$11 620	72	$13 375
MATERIAL MOVING EQUIPMENT OPERATORS	895	33	101	265	304	114	54	21	3	$10 815	$11 215	546	$12 102
EXCAVATING, GRADING, AND DOZER MACHINE OPERATORS	33	-	6	5	5	2	7	8	-	$16 065	$16 121	11	$26 263
HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS	16 741	3 250	5 402	4 377	2 673	751	209	63	16	$5 764	$6 476	6 317	$9 607
CONSTRUCTION LABORERS	367	70	146	79	30	32	10	-	-	$5 167	$6 285	58	$9 900
FREIGHT, STOCK, AND MATERIAL HANDLERS	3 390	901	1 308	755	295	74	49	8	-	$4 066	$5 125	940	$8 633
GARAGE AND SERVICE STATION RELATED OCCUPATIONS	543	162	244	96	27	14	-	-	-	$3 672	$4 351	178	$6 818
HAND PACKERS AND PACKAGERS	6 111	988	1 937	1 622	1 192	299	49	8	16	$6 292	$6 951	2 528	$10 010
OTHER SPECIFIED HANDLERS, EQUIPMENT CLEANERS, AND HELPERS	1 153	192	411	258	156	97	28	11	-	$5 656	$6 916	396	$10 113
LABORERS, EXCEPT CONSTRUCTION	5 177	937	1 356	1 567	973	235	73	36	-	$6 773	$6 939	2 217	$9 735
MANUFACTURING	3 017	384	749	994	683	147	41	19	-	$7 640	$7 605	1 439	$9 966
NONDURABLE GOODS	1 680	257	499	564	244	71	30	15	-	$6 600	$6 967	693	$9 428
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG.	1 337	127	250	430	439	76	11	4	-	$8 901	$8 406	746	$10 613
METAL INDUSTRIES	234	28	56	67	48	22	11	2	-	$7 610	$8 347	131	$10 500
NONMANUFACTURING INDUSTRIES	2 160	553	607	573	290	88	32	17	-	$5 310	$6 010	778	$9 180
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	182	23	54	20	58	22	5	-	-	$9 400	$8 241	65	$13 959
WHOLESALE AND RETAIL TRADE	1 175	238	338	399	153	36	11	-	-	$6 113	$6 075	422	$9 073
ALL OTHER INDUSTRIES	803	292	215	154	79	30	16	17	-	$3 580	$5 408	291	$7 986
EXPERIENCED UNEMPLOYED NOT CLASSIFIED BY OCCUPATION	67	19	19	10	17	-	2	-	-	$4 813	$5 934	11	$10 429

TABLE 222. OCCUPATION OF THE EXPERIENCED CIVILIAN LABOR FORCE BY EARNINGS IN 1979, LABOR FORCE STATUS IN 1979, SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

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MINNESOTA

	PERSONS WITH EARNINGS IN 1979											WORKED YEAR ROUND FULL TIME IN 1979	
	16 YEARS AND OVER	$1 TO $1,999 OR LOSS	$2,000 TO $5,999	$6,000 TO $9,999	$10,000 TO $14,999	$15,000 TO $19,999	$20,000 TO $24,999	$25,000 TO $49,999	$50,000 OR MORE	MEDIAN EARNINGS	MEAN EARNINGS	TOTAL	MEDIAN EARNINGS
WHITE													
MALE EXPERIENCED CIVILIAN LABOR FORCE	1 088 494	79 241	137 832	124 364	198 092	208 133	157 227	153 939	29 666	$15 078	$16 606	733 806	$17 615
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS	259 288	5 718	14 729	16 924	34 656	49 177	48 267	71 119	18 698	$20 665	$24 487	199 740	$22 228
EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS	142 656	2 733	6 285	8 293	18 434	26 042	24 473	44 864	11 532	$21 616	$26 067	122 211	$22 846
OFFICIALS AND ADMINISTRATORS, PUBLIC ADMINISTRATION	3 946	78	63	205	621	920	932	1 071	56	$20 318	$21 192	3 398	$20 927
ADMINISTRATORS, EDUCATION AND RELATED FIELDS	3 988	73	118	107	243	484	964	1 940	59	$25 019	$24 406	2 428	$25 706
MANAGERS, MEDICINE AND HEALTH	962	12	13	46	126	184	111	384	86	$24 399	$27 017	824	$24 491
OTHER SPECIFIED MANAGERS	23 382	256	709	950	2 155	3 822	4 122	9 425	1 943	$24 500	$27 633	20 977	$25 431
MANAGERS AND ADMINISTRATORS, N.E.C., SALARIED	71 525	1 054	3 036	4 005	8 878	11 370	11 271	24 134	7 777	$22 984	$28 904	62 361	$24 584
MANUFACTURING	21 890	136	366	551	1 538	3 027	3 587	9 382	3 303	$27 357	$34 853	20 249	$28 104
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	5 622	29	129	144	396	852	1 296	2 453	323	$24 818	$27 212	5 210	$25 228
WHOLESALE AND RETAIL TRADE	20 420	354	1 221	1 864	4 029	3 784	2 599	4 686	1 883	$18 285	$24 919	17 092	$20 164
ALL OTHER INDUSTRIES	23 593	535	1 320	1 446	2 915	3 707	3 789	7 613	2 268	$22 133	$27 236	19 810	$23 998
MANAGERS AND ADMINISTRATORS, N.E.C., SELF-EMPLOYED	7 254	724	859	996	1 263	987	710	1 260	455	$13 936	$18 283	5 393	$15 407
CONSTRUCTION	1 287	79	131	165	240	193	81	302	96	$15 563	$21 177	732	$17 538
MANUFACTURING	787	46	60	151	155	98	74	168	35	$14 315	$18 849	635	$15 874
WHOLESALE AND RETAIL TRADE	2 816	261	316	407	501	418	260	478	175	$14 018	$18 070	2 307	$14 945
ALL OTHER INDUSTRIES	2 364	338	352	273	367	278	295	312	149	$12 699	$16 773	1 719	$14 754
MANAGEMENT RELATED OCCUPATIONS	31 599	536	1 487	1 984	5 148	8 275	6 363	6 650	1 156	$18 683	$21 062	26 830	$20 021
ACCOUNTANTS AND AUDITORS	12 621	212	650	1 021	1 937	3 374	2 381	2 495	551	$18 283	$21 020	10 628	$19 759
BUYERS AND PURCHASING AGENTS	5 250	95	205	315	1 055	1 541	1 021	871	147	$17 578	$19 409	4 547	$18 375
PROFESSIONAL SPECIALTY OCCUPATIONS	116 632	2 985	8 444	8 631	16 222	23 135	23 794	26 255	7 166	$19 680	$22 554	77 529	$21 467
ENGINEERS, ARCHITECTS, AND SURVEYORS	23 294	161	732	735	1 863	4 599	6 385	8 370	449	$22 307	$23 451	20 432	$23 068
ARCHITECTS	1 793	16	79	128	213	417	285	536	119	$20 594	$24 965	1 497	$22 100
ENGINEERS	20 778	132	593	534	1 457	4 030	5 975	7 732	325	$22 570	$23 559	18 359	$23 272
ELECTRICAL AND ELECTRONIC ENGINEERS	5 188	17	153	136	320	964	1 533	2 025	40	$22 810	$23 260	4 509	$23 759
MECHANICAL ENGINEERS	3 441	37	120	65	243	653	1 098	1 192	33	$22 207	$22 861	3 111	$22 776
OTHER ENGINEERS	12 149	78	320	333	894	2 413	3 344	4 515	252	$22 581	$23 884	10 739	$23 224
SURVEYORS AND MAPPING SCIENTISTS	723	13	60	73	193	152	125	102	5	$15 526	$16 607	576	$17 141
MATHEMATICAL AND COMPUTER SCIENTISTS	4 377	24	118	121	415	1 092	1 252	1 322	33	$21 230	$21 825	3 913	$21 808
COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS	3 314	18	92	90	270	799	1 008	1 022	15	$21 432	$21 759	2 968	$21 941
NATURAL SCIENTISTS	3 708	84	229	281	554	807	746	866	141	$19 167	$21 097	2 986	$20 816
HEALTH DIAGNOSING OCCUPATIONS	10 349	170	235	445	650	798	665	3 190	4 196	$42 059	$48 252	7 552	$45 335
PHYSICIANS	6 402	79	104	252	439	530	310	1 498	3 190	$49 804	$54 369	5 022	$52 496
DENTISTS	2 325	41	49	99	88	126	172	999	751	$39 495	$43 134	1 345	$40 685
OTHER HEALTH DIAGNOSING PRACTITIONERS	1 622	50	82	94	123	142	183	693	255	$28 479	$31 444	1 185	$32 099
HEALTH ASSESSMENT AND TREATING OCCUPATIONS	4 724	120	291	528	863	1 077	869	860	116	$17 136	$18 496	3 644	$19 404
REGISTERED NURSES	1 295	32	74	222	292	358	125	166	26	$15 239	$16 403	896	$16 618
PHARMACISTS	1 951	26	127	109	175	365	541	546	62	$21 181	$21 596	1 650	$22 312
THERAPISTS	1 072	47	63	152	316	208	146	120	20	$14 274	$15 865	778	$16 177
TEACHERS, LIBRARIANS, AND COUNSELORS	36 840	1 012	2 656	2 322	6 161	9 568	9 483	5 441	197	$17 813	$17 717	14 847	$19 464
TEACHERS, POSTSECONDARY	7 431	267	840	572	731	1 261	1 631	2 000	129	$20 094	$19 575	3 568	$22 646
TEACHERS, ELEMENTARY AND PRE-KINDERGARTEN	13 132	230	500	718	2 676	3 924	3 686	1 382	16	$17 586	$17 479	4 591	$17 759
TEACHERS, SECONDARY	11 075	226	570	570	2 001	3 241	3 179	1 272	16	$17 858	$17 617	4 004	$18 820
SOCIAL SCIENTISTS AND URBAN PLANNERS	2 696	48	142	177	218	524	533	877	177	$21 862	$24 468	2 142	$23 645
SOCIAL AND RECREATION WORKERS	3 384	118	319	472	758	718	575	424	-	$15 117	$15 293	2 479	$16 617
RELIGIOUS WORKERS	5 998	215	1 147	1 173	1 610	1 103	470	253	27	$11 539	$11 977	4 678	$12 659
LAWYERS AND JUDGES	7 496	220	498	452	654	665	816	2 609	1 582	$28 693	$35 428	5 983	$32 413
WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES	13 766	813	2 077	1 925	2 476	2 184	2 000	2 043	248	$13 996	$15 689	8 873	$17 845
TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS	198 613	10 811	23 652	19 894	36 649	41 746	29 276	30 432	6 153	$15 722	$17 566	144 753	$17 971
TECHNICIANS AND RELATED SUPPORT OCCUPATIONS	35 776	978	2 655	2 986	7 248	9 296	6 367	5 390	856	$16 671	$18 076	27 875	$18 155
HEALTH TECHNOLOGISTS AND TECHNICIANS	2 378	109	305	294	720	569	231	125	25	$13 086	$14 072	1 718	$14 886
LICENSED PRACTICAL NURSES	132	6	15	28	48	25	-	10	-	$11 308	$11 891	107	$12 353
ENGINEERING AND SCIENCE TECHNICIANS	18 874	546	1 423	1 678	4 442	5 313	3 272	2 149	51	$15 874	$16 085	14 941	$17 181
ELECTRICAL AND ELECTRONIC TECHNICIANS	6 037	162	295	540	1 314	1 685	1 327	707	7	$16 588	$16 681	4 941	$17 969
DRAFTING AND SURVEYING TECHNICIANS	6 417	159	481	602	1 831	1 985	906	440	13	$15 200	$15 108	5 072	$16 056
TECHNICIANS, EXCEPT HEALTH, ENGINEERING, AND SCIENCE	14 524	323	927	1 014	2 086	3 414	2 864	3 116	780	$19 017	$21 318	11 216	$20 467
AIRPLANE PILOTS AND NAVIGATORS	1 773	15	40	41	168	131	152	517	709	$42 625	$42 234	1 002	$41 987
COMPUTER PROGRAMMERS	6 587	116	369	444	918	1 813	1 572	1 323	32	$18 640	$18 667	5 314	$20 408
SALES OCCUPATIONS	98 804	6 136	12 426	9 764	17 330	15 870	13 064	19 324	4 890	$15 916	$19 186	71 607	$19 053
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS	18 193	766	1 515	1 859	3 806	3 378	2 566	3 482	821	$16 342	$19 672	15 457	$17 497
SELF-EMPLOYED	4 708	430	611	687	884	649	456	763	228	$13 257	$16 645	4 058	$14 182
SALES REPRESENTATIVES, FINANCE AND BUSINESS SERVICES	24 574	706	1 835	1 963	3 827	3 851	3 793	6 500	2 099	$20 104	$24 728	19 061	$21 869
SALES REPRESENTATIVES, COMMODITIES, EXCEPT RETAIL	23 412	498	1 194	1 296	3 491	4 552	4 195	6 651	1 535	$20 614	$23 569	19 600	$21 534
SALES WORKERS, RETAIL AND PERSONAL SERVICES	32 330	4 151	7 863	4 618	6 169	4 044	2 452	2 616	417	$9 570	$11 519	17 276	$14 773
CASHIERS	3 906	845	1 737	594	341	181	118	68	22	$3 993	$6 224	955	$11 539
SALES RELATED OCCUPATIONS	295	15	19	28	37	45	58	75	18	$20 217	$19 910	213	$21 633

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MINNESOTA

	PERSONS WITH EARNINGS IN 1979											WORKED YEAR ROUND FULL TIME IN 1979	
	16 YEARS AND OVER	$1 TO $1,999 OR LOSS	$2,000 TO $5,999	$6,000 TO $9,999	$10,000 TO $14,999	$15,000 TO $19,999	$20,000 TO $24,999	$25,000 TO $49,999	$50,000 OR MORE	MEDIAN EARNINGS	MEAN EARNINGS	TOTAL	MEDIAN EARNINGS
WHITE													
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL	64 033	3 697	8 571	7 144	12 071	16 580	9 845	5 718	407	$15 100	$14 782	45 271	$16 921
SUPERVISORS, ADMINISTRATIVE SUPPORT OCCUPATIONS	7 299	85	228	302	1 127	1 773	1 799	1 891	94	$20 252	$20 720	6 545	$20 691
COMPUTER EQUIPMENT OPERATORS	2 595	104	319	400	725	579	312	151	5	$13 027	$13 548	1 893	$15 206
SECRETARIES, STENOGRAPHERS, AND TYPISTS	1 254	93	281	214	202	99	150	194	21	$10 667	$13 713	714	$17 672
SECRETARIES	736	75	216	154	122	60	40	60	9	$8 396	$10 912	345	$13 817
RECEPTIONISTS	441	76	201	81	27	36	20	-	-	$3 914	$6 139	77	$14 591
FILE CLERKS	1 009	131	233	142	127	202	128	46	-	$9 962	$11 157	530	$16 396
FINANCIAL RECORDS PROCESSING OCCUPATIONS	4 990	229	743	679	1 226	1 006	645	394	68	$13 183	$14 345	3 487	$15 941
BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS	3 791	205	626	534	1 003	643	422	302	56	$12 440	$13 777	2 624	$15 140
TELEPHONE OPERATORS	442	47	108	55	86	64	51	31	-	$10 458	$11 807	260	$15 894
MAIL AND MESSAGE DISTRIBUTING OCCUPATIONS	9 435	541	944	678	818	3 720	2 246	458	30	$16 660	$15 792	7 118	$17 937
TRAFFIC, SHIPPING, STOCK AND INVENTORY CLERKS	13 294	915	2 197	1 943	3 506	3 108	1 158	446	21	$12 365	$12 116	8 598	$15 061
INSURANCE ADJUSTERS, EXAMINERS, AND INVESTIGATORS	1 337	20	64	143	310	401	177	205	17	$16 156	$17 819	1 099	$17 306
BANK TELLERS	580	20	217	112	133	61	18	17	2	$7 536	$9 423	311	$12 244
DATA-ENTRY KEYERS	507	47	105	92	88	102	60	13	-	$10 905	$10 977	315	$15 529
OTHER ADMINISTRATIVE SUPPORT OCCUPATIONS	20 850	1 389	2 931	2 303	3 696	5 429	3 081	1 872	149	$15 060	$14 736	14 324	$16 974
SERVICE OCCUPATIONS	92 177	18 586	24 975	13 206	15 963	10 432	5 931	2 799	285	$6 768	$8 801	40 981	$13 649
PRIVATE HOUSEHOLD OCCUPATIONS	255	127	65	36	17	8	2	-	-	$2 031	$3 783	65	$8 688
PROTECTIVE SERVICE OCCUPATIONS	14 948	916	1 850	1 242	2 257	3 388	3 725	1 541	29	$16 367	$15 522	10 831	$19 011
FIREFIGHTING OCCUPATIONS	1 612	29	40	51	190	451	620	229	2	$20 187	$18 908	1 375	$20 537
POLICE AND DETECTIVES, PUBLIC SERVICE	4 803	86	109	156	671	1 287	1 864	610	20	$20 123	$19 247	4 311	$20 266
GUARDS	5 382	719	1 546	866	943	590	462	249	7	$7 760	$9 750	2 436	$14 192
OTHER PROTECTIVE SERVICE OCCUPATIONS	3 151	82	155	169	453	1 060	779	453	-	$17 846	$17 971	2 709	$18 917
SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD	76 974	17 543	23 060	11 928	13 689	7 036	2 204	1 258	256	$5 388	$7 513	30 085	$12 336
FOOD PREPARATION AND SERVICE OCCUPATIONS	29 662	9 852	10 955	4 000	2 905	1 151	437	279	83	$3 186	$5 250	7 019	$10 780
WAITERS AND FOOD COUNTER WORKERS	2 697	932	1 142	366	143	81	10	19	4	$2 962	$4 407	471	$7 510
COOKS	11 546	3 642	4 956	1 495	926	336	74	96	21	$3 055	$4 772	2 330	$10 273
HEALTH SERVICE OCCUPATIONS	4 510	691	1 444	1 080	876	252	69	61	37	$6 525	$7 925	1 847	$11 132
NURSING AIDES, ORDERLIES, AND ATTENDANTS	3 692	469	1 169	944	767	205	53	53	32	$7 022	$8 239	1 584	$11 069
CLEANING AND BUILDING SERVICE OCCUPATIONS EXC. HOUSEHOLD	36 629	5 945	9 043	5 695	8 820	4 994	1 408	636	88	$8 464	$9 002	18 367	$12 852
PERSONAL SERVICE OCCUPATIONS	6 173	1 055	1 618	1 153	1 088	639	290	282	48	$7 343	$9 246	2 852	$12 712
BARBERS, HAIRDRESSERS AND COSMETOLOGISTS	2 398	144	366	526	619	360	162	196	25	$11 105	$12 560	1 767	$12 687
FARMING, FORESTRY, AND FISHING OCCUPATIONS	89 905	17 515	19 762	14 987	14 999	8 569	5 227	6 915	1 931	$7 967	$10 599	66 634	$9 538
FARM OPERATORS AND MANAGERS	65 524	12 255	12 368	10 402	11 026	6 689	4 573	6 368	1 843	$9 095	$11 772	55 118	$9 515
FARM OCCUPATIONS, EXCEPT MANAGERIAL	16 363	4 156	5 264	3 138	2 353	743	308	346	55	$4 762	$6 530	8 006	$7 990
RELATED AGRICULTURAL OCCUPATIONS	5 217	726	1 421	873	1 054	839	231	60	13	$8 211	$9 057	2 274	$14 054
FORESTRY AND FISHING OCCUPATIONS	2 801	378	709	574	566	298	115	141	20	$8 139	$9 794	1 236	$11 756
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS	207 902	7 830	18 369	24 309	41 995	47 933	39 243	26 660	1 563	$15 864	$16 135	144 738	$17 816
MECHANICS AND REPAIRERS	65 969	2 737	5 928	7 683	14 526	16 204	12 405	6 274	212	$15 438	$15 243	50 355	$16 771
AUTOMOBILE MECHANICS, INCLUDING BODY	22 012	1 165	2 662	3 636	6 066	4 744	2 454	1 222	63	$12 783	$13 113	16 225	$14 480
AIRCRAFT MECHANICS	1 994	23	75	84	157	293	518	838	6	$23 131	$21 856	1 702	$24 777
HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS	1 438	37	108	141	333	357	267	195	-	$16 014	$16 100	1 093	$17 473
OTHER MECHANICS AND REPAIRERS	40 525	1 512	3 083	3 822	7 970	10 810	9 166	4 019	143	$16 327	$16 044	31 335	$17 705
CONSTRUCTION TRADES	81 980	3 378	8 434	11 730	16 276	16 028	13 996	11 210	928	$15 257	$15 891	45 819	$18 634
CARPENTERS	26 914	1 401	3 648	5 463	6 519	4 848	3 323	1 532	180	$12 126	$12 961	12 406	$15 470
ELECTRICIANS	9 393	222	484	737	1 445	1 869	2 376	2 202	58	$19 781	$18 849	7 064	$20 773
PAINTERS, CONSTRUCTION AND MAINTENANCE	5 501	498	1 019	959	1 072	958	595	376	24	$11 064	$12 051	2 491	$16 320
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	7 645	187	652	671	1 329	1 300	1 664	1 781	61	$18 484	$18 098	5 362	$20 303
OTHER CONSTRUCTION TRADES	32 527	1 070	2 631	3 900	5 911	7 053	6 038	5 319	605	$16 528	$17 591	18 496	$20 147
EXTRACTIVE OCCUPATIONS	2 358	23	80	133	197	377	677	845	26	$22 229	$21 668	1 926	$23 655
PRECISION PRODUCTION OCCUPATIONS	57 595	1 692	3 927	4 763	10 996	15 324	12 165	8 331	397	$16 910	$17 277	46 638	$18 146
SUPERVISORS, PRODUCTION OCCUPATIONS	21 816	352	670	907	3 402	5 917	5 495	4 803	270	$19 594	$20 091	19 350	$20 209
MANUFACTURING	15 304	234	383	573	2 355	4 256	4 002	3 302	199	$19 750	$20 236	13 632	$20 283
PRECISION METALWORKING OCCUPATIONS	15 298	395	953	1 344	3 093	4 369	3 546	1 537	61	$16 611	$16 622	11 826	$17 767
TOOL AND DIE MAKERS	3 125	27	181	195	392	895	862	560	13	$19 015	$18 531	2 662	$20 163
MACHINISTS	8 520	227	528	914	1 895	2 669	1 723	548	16	$15 869	$15 653	6 514	$16 872
SHEET METAL WORKERS	2 256	84	164	123	437	492	647	290	19	$17 834	$17 802	1 646	$19 811
OTHER PRECISION METAL WORKERS	1 397	57	80	112	369	313	314	139	13	$15 945	$16 355	1 004	$16 726
PRECISION TEXTILE, APPAREL, AND FURNISHINGS MACHINE WORKERS	1 379	135	278	246	383	238	57	42	-	$10 353	$10 306	918	$12 300
PLANT AND SYSTEM OPERATORS	4 757	55	148	234	883	1 702	1 112	617	6	$17 514	$17 997	4 159	$18 081
OTHER PRECISION PRODUCTION OCCUPATIONS	14 345	755	1 878	2 032	3 235	3 098	1 955	1 332	60	$13 772	$14 127	10 385	$15 872

TABLE 222. OCCUPATION OF THE EXPERIENCED CIVILIAN LABOR FORCE BY EARNINGS IN 1979, LABOR FORCE STATUS IN 1979, 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]

MINNESOTA

	PERSONS WITH EARNINGS IN 1979											WORKED YEAR ROUND FULL TIME IN 1979	
	16 YEARS AND OVER	$1 TO $1,999 OR LOSS	$2,000 TO $5,999	$6,000 TO $9,999	$10,000 TO $14,999	$15,000 TO $19,999	$20,000 TO $24,999	$25,000 TO $49,999	$50,000 OR MORE	MEDIAN EARNINGS	MEAN EARNINGS	TOTAL	MEDIAN EARNINGS
WHITE													
OPERATORS, FABRICATORS, AND LABORERS	240 177	18 748	36 163	34 885	53 782	50 266	29 283	16 014	1 036	$12 711	$12 975	136 799	$15 955
MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS	90 936	4 764	10 854	13 360	24 067	22 407	10 814	4 566	104	$13 287	$13 219	60 379	$15 492
MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION	56 601	2 670	6 613	8 256	14 574	14 124	7 059	3 228	77	$13 558	$13 522	38 680	$15 662
METALWORKING AND PLASTIC WORKING MACHINE OPERATORS	9 172	435	988	1 392	2 812	2 400	825	308	12	$13 060	$12 875	6 251	$15 138
PRINTING MACHINE OPERATORS	7 855	273	676	832	1 380	1 917	1 588	1 167	22	$16 540	$16 714	6 321	$18 019
TEXTILE, APPAREL, AND FURNISHINGS MACHINE OPERATORS	1 703	135	312	401	405	343	73	34	-	$10 034	$10 299	982	$12 834
TEXTILE MACHINE OPERATORS	483	36	55	87	109	144	41	11	-	$12 691	$12 222	302	$15 202
TEXTILE SEWING MACHINE OPERATORS	135	4	21	46	34	22	8	-	-	$9 300	$10 002	74	$11 917
LAUNDERING AND DRYCLEANING MACHINE OPERATORS	854	92	191	216	212	101	24	18	-	$8 154	$8 971	445	$11 894
OTHER SPECIFIED MACHINE OPERATORS	20 038	983	2 607	3 125	5 179	4 923	2 360	851	10	$13 043	$12 908	13 162	$15 428
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS	17 833	844	2 030	2 506	4 798	4 541	2 213	868	33	$13 561	$13 447	11 964	$15 579
OCCUPATION:													
MISCELLANEOUS MACHINE OPERATORS, N.E.C.	4 876	234	516	584	1 260	1 290	736	247	9	$14 320	$14 008	3 388	$15 890
MACHINE OPERATORS, NOT SPECIFIED	12 957	610	1 514	1 922	3 538	3 251	1 477	621	24	$13 294	$13 236	8 576	$15 465
INDUSTRY:													
MANUFACTURING	14 636	610	1 557	2 036	4 090	3 870	1 812	646	15	$13 688	$13 505	10 092	$15 521
NONDURABLE GOODS	5 809	264	589	713	1 490	1 595	823	333	2	$14 446	$13 965	4 133	$15 902
FOOD AND KINDRED PRODUCTS	1 808	79	170	173	569	542	191	84	-	$14 182	$13 898	1 244	$15 596
TEXTILE MILL AND FINISHED TEXTILE PRODUCTS	126	17	18	33	36	17	5	-	-	$9 565	$9 510	64	$11 571
PAPER AND ALLIED PRODUCTS	1 834	17	85	178	309	612	496	137	-	$17 083	$16 798	1 496	$17 923
OTHER NONDURABLE GOODS	2 041	151	316	329	576	424	131	112	2	$12 034	$11 754	1 329	$14 114
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG	8 827	346	968	1 323	2 600	2 275	989	313	13	$13 250	$13 202	5 959	$15 285
METAL INDUSTRIES	2 528	98	280	322	662	806	286	66	8	$14 042	$13 546	1 771	$15 461
MACHINERY, INCLUDING ELECTRICAL	3 640	125	438	495	1 040	929	463	150	-	$13 661	$13 369	2 432	$15 670
TRANSPORTATION EQUIPMENT	385	8	32	82	148	67	30	18	-	$12 163	$13 042	221	$14 360
OTHER DURABLE GOODS	2 274	115	218	424	750	473	210	79	5	$12 252	$12 582	1 535	$14 058
NONMANUFACTURING INDUSTRIES	3 197	234	473	470	708	671	401	222	18	$12 836	$13 181	1 872	$15 973
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	796	24	56	93	173	233	147	70	-	$15 744	$15 431	551	$17 790
WHOLESALE AND RETAIL TRADE	1 113	71	172	182	269	241	119	52	7	$12 383	$12 608	700	$15 089
ALL OTHER INDUSTRIES	1 288	139	245	195	266	197	135	100	11	$10 992	$12 286	621	$15 211
FABRICATORS, ASSEMBLERS, AND HAND WORKING OCCUPATIONS	28 830	1 877	3 793	4 488	8 076	6 688	2 822	1 059	27	$12 539	$12 378	17 735	$15 011
WELDERS AND CUTTERS	13 693	599	1 254	1 923	3 937	3 685	1 582	699	14	$13 768	$13 632	9 048	$15 430
ASSEMBLERS	13 788	1 163	2 358	2 354	3 819	2 756	1 048	280	10	$11 304	$11 107	7 852	$13 989
OTHER FABRICATORS AND HAND WORKING OCCUPATIONS	1 349	115	181	211	320	247	192	80	3	$12 207	$12 646	835	$15 833
PRODUCTION INSPECTORS, TESTERS, SAMPLERS, AND WEIGHERS	5 505	217	448	616	1 417	1 595	933	279	-	$15 101	$14 511	3 964	$16 202
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	80 594	3 505	8 615	10 519	17 157	17 346	13 051	9 626	775	$15 097	$15 469	48 358	$17 550
MOTOR VEHICLE OPERATORS	57 578	2 859	7 071	7 965	12 016	11 414	8 692	6 868	693	$14 436	$15 151	35 218	$17 260
TRUCK DRIVERS AND DRIVER-SALES WORKERS	49 050	2 057	4 520	6 449	10 711	10 335	7 924	6 389	665	$15 262	$15 957	31 146	$17 610
BUS DRIVERS	5 839	499	1 818	1 024	760	829	556	332	21	$8 327	$10 648	2 683	$15 572
RAIL AND WATER TRANSPORTATION OCCUPATIONS	4 508	53	117	155	288	914	1 327	1 645	9	$22 234	$22 444	3 223	$23 525
MATERIAL MOVING EQUIPMENT OPERATORS	18 508	593	1 427	2 399	4 853	5 018	3 032	1 113	73	$14 978	$14 758	9 917	$16 607
EXCAVATING, GRADING, AND DOZER MACHINE OPERATORS	2 524	87	211	419	737	502	332	215	21	$13 583	$14 453	981	$16 664
HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS	68 647	10 479	16 694	11 006	12 558	10 513	5 418	1 822	157	$8 588	$9 722	28 062	$15 173
CONSTRUCTION LABORERS	13 602	810	2 160	2 566	3 821	2 746	1 076	378	45	$11 633	$11 696	4 965	$15 459
FREIGHT, STOCK, AND MATERIAL HANDLERS	20 378	4 872	6 563	2 531	2 261	2 052	1 503	545	51	$4 651	$7 972	6 446	$15 480
GARAGE AND SERVICE STATION RELATED OCCUPATIONS	6 421	1 587	2 523	1 131	639	257	174	96	14	$3 906	$5 965	1 925	$10 365
HAND PACKERS AND PACKAGERS	2 852	345	712	430	589	448	258	70	-	$9 465	$10 099	1 428	$14 751
OTHER SPECIFIED HANDLERS, EQUIPMENT CLEANERS, AND HELPERS	5 375	914	1 253	897	897	786	485	137	6	$8 431	$9 514	2 322	$15 214
LABORERS, EXCEPT CONSTRUCTION	20 019	1 951	3 483	3 451	4 351	4 224	1 922	596	41	$11 237	$11 370	10 976	$15 364
MANUFACTURING	8 119	628	1 315	1 530	2 076	1 460	747	330	33	$11 459	$11 756	4 616	$14 660
NONDURABLE GOODS	4 270	340	626	729	982	872	478	225	18	$12 279	$12 413	2 521	$15 522
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG	3 849	288	689	801	1 094	588	269	105	15	$10 670	$11 027	2 095	$13 485
METAL INDUSTRIES	1 085	76	211	252	301	137	95	13	-	$10 058	$10 538	613	$13 028
NONMANUFACTURING INDUSTRIES	11 900	1 323	2 168	1 921	2 275	2 764	1 175	266	8	$11 061	$11 107	6 360	$15 645
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	3 099	187	342	496	712	969	322	65	6	$13 427	$12 711	1 785	$16 076
WHOLESALE AND RETAIL TRADE	6 226	608	1 212	1 042	1 191	1 358	655	158	2	$10 878	$11 161	3 476	$15 493
ALL OTHER INDUSTRIES	2 575	528	614	383	372	437	198	43	-	$7 341	$9 044	1 099	$15 114
EXPERIENCED UNEMPLOYED NOT CLASSIFIED BY OCCUPATION	432	33	182	159	48	10	-	-	-	$6 014	$6 184	161	$7 148

TABLE 222. OCCUPATION OF THE EXPERIENCED CIVILIAN LABOR FORCE BY EARNINGS IN 1979, LABOR FORCE STATUS IN 1979, SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

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MINNESOTA

	PERSONS WITH EARNINGS IN 1979											WORKED YEAR ROUND FULL TIME IN 1979	
	16 YEARS AND OVER	$1 TO $1,999 OR LOSS	$2,000 TO $5,999	$6,000 TO $9,999	$10,000 TO $14,999	$15,000 TO $19,999	$20,000 TO $24,999	$25,000 TO $49,999	$50,000 OR MORE	MEDIAN EARNINGS	MEAN EARNINGS	TOTAL	MEDIAN EARNINGS
WHITE													
FEMALE EXPERIENCED CIVILIAN LABOR FORCE	795 641	128 295	237 014	197 729	153 400	54 002	16 631	7 471	1 099	$6 641	$7 460	333 101	$10 343
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS	166 107	14 507	31 353	32 247	45 958	27 891	9 536	4 170	445	$10 520	$10 719	72 268	$13 236
EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS	54 741	3 381	8 542	12 298	16 663	8 182	3 201	2 224	250	$10 843	$11 461	37 101	$12 573
OFFICIALS AND ADMINISTRATORS, PUBLIC ADMINISTRATION	1 599	83	244	336	416	314	123	77	6	$11 655	$12 106	1 094	$13 507
ADMINISTRATORS, EDUCATION AND RELATED FIELDS	1 682	207	347	275	319	226	150	158	-	$10 175	$11 555	657	$15 209
MANAGERS, MEDICINE AND HEALTH	1 064	50	123	154	307	230	144	45	11	$13 095	$13 504	750	$15 523
OTHER SPECIFIED MANAGERS	7 911	435	1 126	1 549	2 338	1 264	665	487	47	$11 543	$12 456	5 649	$13 216
MANAGERS AND ADMINISTRATORS, N.E.C., SALARIED	22 284	1 217	3 529	5 206	6 675	3 270	1 268	1 002	117	$10 790	$11 621	15 118	$12 568
MANUFACTURING	2 732	49	196	434	919	609	233	245	47	$13 385	$15 620	2 163	$14 871
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	1 130	31	85	141	272	267	212	116	6	$15 461	$15 670	929	$16 648
WHOLESALE AND RETAIL TRADE	6 893	464	1 312	2 142	1 870	751	177	146	31	$9 155	$9 732	4 609	$10 758
ALL OTHER INDUSTRIES	11 529	673	1 936	2 489	3 614	1 643	646	495	33	$10 883	$11 407	7 417	$12 830
MANAGERS AND ADMINISTRATORS, N.E.C., SELF-EMPLOYED	2 316	491	820	539	251	68	87	44	16	$5 314	$6 425	1 382	$5 942
CONSTRUCTION	42	2	32	5	3	-	-	-	-	$3 760	$4 465	22	$3 500
MANUFACTURING	153	16	79	48	2	6	-	2	-	$4 750	$4 509	63	$5 625
WHOLESALE AND RETAIL TRADE	1 245	262	417	325	131	40	32	24	14	$5 544	$6 524	806	$6 408
ALL OTHER INDUSTRIES	876	211	292	161	115	22	55	18	2	$5 217	$6 712	491	$5 700
MANAGEMENT RELATED OCCUPATIONS	17 885	898	2 353	4 239	6 357	2 810	764	411	53	$11 033	$11 286	12 451	$12 505
ACCOUNTANTS AND AUDITORS	7 557	358	986	2 033	2 823	1 043	201	97	16	$10 587	$10 668	5 213	$11 954
BUYERS AND PURCHASING AGENTS	2 648	48	350	686	903	465	89	107	-	$11 194	$11 602	2 039	$12 512
PROFESSIONAL SPECIALTY OCCUPATIONS	111 366	11 126	22 811	19 949	29 295	19 709	6 335	1 946	195	$10 311	$10 354	35 167	$13 958
ENGINEERS, ARCHITECTS, AND SURVEYORS	1 160	27	135	167	361	354	103	13	-	$13 403	$12 993	793	$15 210
ARCHITECTS	150	-	42	16	36	56	-	-	-	$12 411	$11 368	82	$15 134
ENGINEERS	993	26	93	147	323	288	103	13	-	$13 483	$13 253	709	$15 180
ELECTRICAL AND ELECTRONIC ENGINEERS	157	2	35	24	24	40	30	2	-	$13 695	$13 161	96	$17 321
MECHANICAL ENGINEERS	20	-	7	7	-	2	2	2	-	$8 857	$13 078	4	$32 500
OTHER ENGINEERS	816	24	51	116	299	246	71	9	-	$13 515	$13 275	609	$14 795
SURVEYORS AND MAPPING SCIENTISTS	17	1	-	4	2	10	-	-	-	$15 110	$12 199	2	$7 000
MATHEMATICAL AND COMPUTER SCIENTISTS	1 464	18	114	131	466	409	243	83	-	$15 022	$14 995	1 108	$16 341
COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS	901	-	46	58	277	275	195	50	-	$15 846	$16 104	700	$17 230
NATURAL SCIENTISTS	861	44	171	101	273	198	61	13	-	$12 401	$11 529	553	$14 686
HEALTH DIAGNOSING OCCUPATIONS	982	48	84	199	231	137	48	127	108	$13 364	$20 702	523	$17 934
PHYSICIANS	643	9	18	110	164	102	48	104	88	$15 772	$24 063	401	$20 055
DENTISTS	140	14	32	38	28	13	-	9	6	$9 176	$15 797	43	$13 116
OTHER HEALTH DIAGNOSING PRACTITIONERS	199	25	34	51	39	22	-	14	14	$8 500	$13 291	79	$13 970
HEALTH ASSESSMENT AND TREATING OCCUPATIONS	32 353	1 703	5 813	7 320	9 819	6 275	1 104	300	19	$10 684	$10 517	13 705	$14 850
REGISTERED NURSES	27 552	1 356	4 806	6 301	8 295	5 672	852	258	12	$10 832	$10 617	11 608	$15 067
PHARMACISTS	628	29	151	106	109	93	112	21	7	$10 800	$12 358	268	$20 122
THERAPISTS	2 969	227	618	597	1 074	339	102	12	-	$10 179	$9 626	1 209	$12 616
TEACHERS, LIBRARIANS, AND COUNSELORS	54 783	6 719	11 672	8 027	13 652	10 172	3 663	830	48	$10 379	$10 231	9 027	$13 326
TEACHERS, POSTSECONDARY	3 654	546	826	555	597	712	200	211	7	$8 773	$10 421	803	$16 551
TEACHERS, ELEMENTARY AND PRE-KINDERGARTEN	30 668	2 989	6 105	4 643	8 157	6 166	2 339	252	17	$11 056	$10 667	4 210	$12 838
TEACHERS, SECONDARY	11 470	1 118	2 380	1 543	3 369	2 202	663	184	11	$11 060	$10 573	1 547	$13 215
SOCIAL SCIENTISTS AND URBAN PLANNERS	1 197	68	152	210	312	227	141	76	11	$12 334	$13 789	633	$14 399
SOCIAL AND RECREATION WORKERS	6 378	453	1 271	1 394	1 811	861	468	120	-	$10 198	$10 426	3 541	$12 988
RELIGIOUS WORKERS	1 222	180	490	281	179	67	9	16	-	$5 539	$6 715	485	$9 182
LAWYERS AND JUDGES	1 244	79	206	155	321	179	156	148	-	$12 796	$13 828	746	$16 667
WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES	9 722	1 787	2 703	1 964	1 870	830	339	220	9	$6 733	$7 887	4 053	$11 630
TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS	356 965	49 718	103 764	104 190	74 456	17 699	4 597	2 151	390	$6 988	$7 331	167 886	$10 137
TECHNICIANS AND RELATED SUPPORT OCCUPATIONS	28 211	1 809	6 721	8 099	8 141	2 650	563	214	14	$8 866	$8 943	13 911	$11 742
HEALTH TECHNOLOGISTS AND TECHNICIANS	19 043	1 122	5 161	6 216	5 145	1 157	197	31	14	$8 255	$8 222	8 330	$11 036
LICENSED PRACTICAL NURSES	9 765	651	3 016	3 634	2 236	188	27	6	7	$7 516	$7 262	3 719	$10 266
ENGINEERING AND SCIENCE TECHNICIANS	3 914	406	772	828	1 259	504	119	26	-	$9 776	$9 320	2 224	$12 442
ELECTRICAL AND ELECTRONIC TECHNICIANS	671	17	82	145	268	135	14	10	-	$12 026	$11 251	479	$13 066
DRAFTING AND SURVEYING TECHNICIANS	685	93	129	179	204	73	7	-	-	$8 573	$8 443	330	$12 272
TECHNICIANS, EXCEPT HEALTH, ENGINEERING, AND SCIENCE	5 254	281	788	1 055	1 737	989	247	157	-	$11 555	$11 276	3 357	$13 453
AIRPLANE PILOTS AND NAVIGATORS	14	6	-	-	2	6	-	-	-	$13 310	$9 528	8	$15 267
COMPUTER PROGRAMMERS	2 334	80	206	383	757	641	195	72	-	$13 277	$12 980	1 682	$14 991
SALES OCCUPATIONS	86 168	22 159	34 473	15 876	8 227	3 109	1 251	916	157	$3 972	$5 566	24 812	$9 248
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS	6 317	810	1 625	1 661	1 369	539	195	94	24	$7 617	$8 414	3 891	$9 995
SELF-EMPLOYED	1 616	440	537	182	232	137	68	13	7	$4 473	$6 528	912	$5 959
SALES REPRESENTATIVES, FINANCE AND BUSINESS SERVICES	10 878	998	2 000	2 573	2 867	1 321	605	459	55	$9 807	$10 761	6 062	$12 368
SALES REPRESENTATIVES, COMMODITIES, EXCEPT RETAIL	3 439	386	761	506	1 060	397	148	151	30	$10 292	$10 696	1 936	$12 657
SALES WORKERS, RETAIL AND PERSONAL SERVICES	65 116	19 829	29 924	11 079	2 887	836	301	212	48	$3 278	$4 156	12 834	$7 518
CASHIERS	24 076	7 039	10 992	4 380	1 137	418	40	57	13	$3 331	$4 214	4 374	$7 822
SALES RELATED OCCUPATIONS	418	136	163	57	44	16	2	-	-	$3 439	$4 663	89	$9 952

TABLE 222. OCCUPATION OF THE EXPERIENCED CIVILIAN LABOR FORCE BY EARNINGS IN 1979, LABOR FORCE STATUS IN 1979, 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]

MINNESOTA

	PERSONS WITH EARNINGS IN 1979											WORKED YEAR ROUND FULL TIME IN 1979	
	16 YEARS AND OVER	$1 TO $1,999 OR LOSS	$2,000 TO $5,999	$6,000 TO $9,999	$10,000 TO $14,999	$15,000 TO $19,999	$20,000 TO $24,999	$25,000 TO $49,999	$50,000 OR MORE	MEDIAN EARNINGS	MEAN EARNINGS	TOTAL	MEDIAN EARNINGS
WHITE													
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL	242 586	25 750	62 570	80 215	58 088	11 940	2 783	1 021	219	$7 770	$7 771	129 163	$10 078
SUPERVISORS, ADMINISTRATIVE SUPPORT OCCUPATIONS	7 277	214	607	1 459	3 062	1 274	482	168	11	$12 079	$12 186	5 985	$12 738
COMPUTER EQUIPMENT OPERATORS	4 325	217	917	1 356	1 493	295	31	16	-	$9 179	$8 845	2 787	$10 793
SECRETARIES, STENOGRAPHERS, AND TYPISTS	84 344	7 933	20 540	29 815	21 883	3 163	638	321	51	$8 034	$7 808	45 765	$10 025
SECRETARIES	71 212	6 102	16 560	25 447	19 398	2 888	523	243	51	$8 236	$7 988	39 688	$10 126
RECEPTIONISTS	10 537	1 910	3 501	3 818	1 174	94	18	17	5	$5 840	$5 815	4 288	$8 691
FILE CLERKS	3 023	659	1 065	815	410	53	9	12	-	$4 932	$5 662	1 129	$9 110
FINANCIAL RECORDS PROCESSING OCCUPATIONS	42 241	3 798	10 998	14 741	10 098	1 902	454	189	61	$7 746	$7 866	23 342	$9 849
BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS	36 097	3 400	9 724	12 419	8 426	1 527	381	170	50	$7 616	$7 755	19 490	$9 796
TELEPHONE OPERATORS	3 448	294	826	1 148	1 017	110	26	27	-	$8 196	$8 023	1 784	$10 531
MAIL AND MESSAGE DISTRIBUTING OCCUPATIONS	4 310	568	1 162	1 018	590	634	305	27	6	$7 560	$8 923	1 910	$13 096
TRAFFIC, SHIPPING, STOCK AND INVENTORY CLERKS	5 933	523	1 452	2 002	1 504	370	59	6	17	$8 312	$8 178	3 415	$10 151
INSURANCE ADJUSTERS, EXAMINERS, AND INVESTIGATORS	2 050	74	219	730	867	132	28	-	-	$10 009	$9 679	1 521	$10 884
BANK TELLERS	7 502	619	2 318	3 727	719	79	27	13	-	$6 796	$6 545	4 104	$8 256
DATA-ENTRY KEYERS	7 680	610	1 855	2 918	1 948	312	25	6	6	$8 155	$7 766	4 162	$9 956
OTHER ADMINISTRATIVE SUPPORT OCCUPATIONS	59 916	8 331	17 110	16 668	13 323	3 522	681	219	62	$7 167	$7 440	28 971	$10 431
SERVICE OCCUPATIONS	163 629	48 097	71 200	30 795	9 770	2 377	904	372	114	$3 574	$4 464	40 069	$7 607
PRIVATE HOUSEHOLD OCCUPATIONS	6 056	3 505	2 053	343	70	52	22	11	-	$1 607	$2 415	1 038	$3 603
PROTECTIVE SERVICE OCCUPATIONS	1 740	553	500	270	228	130	59	-	-	$3 921	$6 151	578	$11 818
FIREFIGHTING OCCUPATIONS	14	12	-	-	-	2	-	-	-	$1,000-	$3 126	2	$15 439
POLICE AND DETECTIVES, PUBLIC SERVICE	165	11	11	34	43	37	29	-	-	$12 202	$12 463	121	$15 464
GUARDS	1 225	499	417	153	114	22	20	-	-	$2 970	$4 335	268	$9 489
OTHER PROTECTIVE SERVICE OCCUPATIONS	336	31	72	83	71	69	10	-	-	$9 234	$9 799	187	$13 872
SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD	155 833	44 039	68 647	30 182	9 472	2 195	823	361	114	$3 657	$4 525	38 453	$7 640
FOOD PREPARATION AND SERVICE OCCUPATIONS	69 804	23 122	33 766	9 772	2 474	329	144	155	42	$3 085	$3 789	12 216	$6 948
WAITERS AND FOOD COUNTER WORKERS	34 829	13 760	16 546	3 512	769	108	49	71	14	$2 621	$3 200	4 482	$5 946
COOKS	16 926	3 581	9 204	3 210	700	126	45	42	18	$3 918	$4 730	3 911	$7 269
HEALTH SERVICE OCCUPATIONS	37 547	6 721	15 547	11 546	3 173	373	105	39	43	$4 966	$5 392	12 886	$8 138
NURSING AIDES, ORDERLIES, AND ATTENDANTS	28 796	5 298	12 337	8 341	2 348	315	87	29	41	$4 828	$5 321	9 600	$7 951
CLEANING AND BUILDING SERVICE OCCUPATIONS EXC. HOUSEHOLD	17 374	5 208	6 910	3 500	1 375	226	71	64	20	$3 620	$4 679	4 768	$8 287
PERSONAL SERVICE OCCUPATIONS	31 108	8 988	12 424	5 364	2 450	1 267	503	103	9	$3 795	$5 045	8 583	$7 399
BARBERS, HAIRDRESSERS AND COSMETOLOGISTS	8 647	1 441	3 243	2 341	1 105	337	116	62	2	$5 504	$6 205	3 264	$8 321
FARMING, FORESTRY, AND FISHING OCCUPATIONS	11 357	4 058	4 176	1 656	814	287	135	190	41	$3 297	$4 618	5 786	$4 707
FARM OPERATORS AND MANAGERS	5 884	1 999	2 166	756	479	191	110	153	30	$3 530	$5 044	3 971	$3 926
FARM OCCUPATIONS, EXCEPT MANAGERIAL	4 117	1 693	1 459	630	212	75	21	23	4	$2 768	$3 842	1 521	$5 694
RELATED AGRICULTURAL OCCUPATIONS	1 189	341	472	226	111	21	4	14	-	$3 934	$4 902	261	$8 192
FORESTRY AND FISHING OCCUPATIONS	167	25	79	44	12	-	-	-	7	$4 673	$6 688	33	$7 923
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS	18 004	2 113	4 412	4 701	4 308	1 607	606	247	10	$8 098	$8 622	9 653	$10 969
MECHANICS AND REPAIRERS	2 032	164	242	480	620	327	157	34	8	$10 831	$11 336	1 354	$12 764
AUTOMOBILE MECHANICS, INCLUDING BODY	149	14	34	26	34	32	9	-	-	$10 053	$10 155	90	$11 625
AIRCRAFT MECHANICS	13	7	1	-	-	-	5	-	-	$1,000-	$8 568	6	$20 342
HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS	9	5	2	-	-	2	-	-	-	$1,000-	$4 931	2	$15 439
OTHER MECHANICS AND REPAIRERS	1 861	138	205	454	586	293	143	34	8	$10 908	$11 481	1 256	$12 802
CONSTRUCTION TRADES	1 651	337	493	374	263	69	67	48	-	$5 961	$7 446	552	$10 506
CARPENTERS	404	76	138	92	69	8	16	5	-	$5 657	$7 001	91	$10 600
ELECTRICIANS	168	24	58	31	31	7	17	-	-	$6 235	$8 302	79	$12 644
PAINTERS, CONSTRUCTION AND MAINTENANCE	436	147	116	106	50	5	12	-	-	$4 077	$5 305	104	$9 243
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	60	8	10	14	18	8	-	2	-	$9 200	$9 299	27	$13 222
OTHER CONSTRUCTION TRADES	583	82	171	131	95	41	22	41	-	$7 203	$8 917	251	$10 767
EXTRACTIVE OCCUPATIONS	54	-	9	11	17	10	7	-	-	$12 197	$11 271	25	$16 572
PRECISION PRODUCTION OCCUPATIONS	14 267	1 612	3 668	3 836	3 408	1 201	375	165	2	$7 914	$8 362	7 722	$10 683
SUPERVISORS, PRODUCTION OCCUPATIONS	4 290	223	433	1 014	1 488	777	244	109	2	$11 387	$11 621	3 223	$12 527
MANUFACTURING	2 609	101	168	614	929	595	134	68	-	$12 094	$12 215	2 056	$12 976
PRECISION METALWORKING OCCUPATIONS	976	116	246	237	250	109	16	2	-	$8 000	$8 083	490	$11 000
TOOL AND DIE MAKERS	66	-	21	16	9	16	4	-	-	$8 000	$9 595	55	$10 500
MACHINISTS	440	45	86	124	146	32	5	2	-	$8 793	$8 401	250	$10 566
SHEET METAL WORKERS	63	-	5	15	29	14	-	-	-	$12 571	$11 720	26	$12 175
OTHER PRECISION METAL WORKERS	407	71	134	82	66	47	7	-	-	$5 925	$6 931	159	$11 320
PRECISION TEXTILE, APPAREL, AND FURNISHINGS MACHINE WORKERS	2 666	551	1 081	677	282	41	24	10	-	$4 614	$5 387	903	$7 967
PLANT AND SYSTEM OPERATORS	126	5	18	32	50	7	11	3	-	$10 667	$11 078	99	$11 542
OTHER PRECISION PRODUCTION OCCUPATIONS	6 209	717	1 890	1 876	1 338	267	80	41	-	$6 960	$7 376	3 007	$9 607

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MINNESOTA

	PERSONS WITH EARNINGS IN 1979											WORKED YEAR ROUND FULL TIME IN 1979	
	16 YEARS AND OVER	$1 TO $1,999 OR LOSS	$2,000 TO $5,999	$6,000 TO $9,999	$10,000 TO $14,999	$15,000 TO $19,999	$20,000 TO $24,999	$25,000 TO $49,999	$50,000 OR MORE	MEDIAN EARNINGS	MEAN EARNINGS	TOTAL	MEDIAN EARNINGS
WHITE													
OPERATORS, FABRICATORS, AND LABORERS	79 512	9 783	22 090	24 130	18 077	4 141	851	341	99	$7 254	$7 544	37 428	$10 096
MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS	58 014	5 973	14 734	18 608	14 775	3 158	479	215	72	$7 727	$7 882	29 682	$10 164
MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION	29 569	3 267	8 321	9 721	6 276	1 520	270	136	58	$7 199	$7 579	14 665	$9 741
METALWORKING AND PLASTIC WORKING MACHINE OPERATORS	2 162	136	488	694	636	181	19	8	-	$8 766	$8 684	1 206	$10 922
PRINTING MACHINE OPERATORS	3 453	352	990	1 001	820	229	47	12	2	$7 445	$7 744	1 817	$10 477
TEXTILE, APPAREL, AND FURNISHINGS MACHINE OPERATORS	7 667	1 171	2 835	2 753	690	137	24	27	30	$5 785	$6 084	3 111	$7 810
TEXTILE MACHINE OPERATORS	562	62	121	177	145	45	-	1	11	$8 466	$9 238	336	$10 041
TEXTILE SEWING MACHINE OPERATORS	3 490	424	1 355	1 396	231	47	19	5	13	$5 920	$6 091	1 273	$7 496
LAUNDERING AND DRYCLEANING MACHINE OPERATORS	2 692	604	1 089	769	182	30	5	7	6	$4 545	$5 074	960	$7 420
OTHER SPECIFIED MACHINE OPERATORS	6 760	814	1 888	2 272	1 368	327	51	20	20	$7 176	$7 497	3 263	$9 720
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS	9 527	794	2 120	3 001	2 762	646	129	69	6	$8 411	$8 529	5 268	$10 670
OCCUPATION:													
MISCELLANEOUS MACHINE OPERATORS, N.E.C.	2 762	290	643	923	619	229	34	20	4	$8 045	$8 189	1 424	$10 113
MACHINE OPERATORS, NOT SPECIFIED	6 765	504	1 477	2 078	2 143	417	95	49	2	$8 595	$8 668	3 844	$10 807
INDUSTRY:													
MANUFACTURING	8 058	531	1 722	2 498	2 548	582	112	59	6	$8 780	$8 859	4 668	$10 887
NONDURABLE GOODS	3 555	317	863	1 175	945	193	32	28	2	$7 836	$8 149	1 908	$10 236
FOOD AND KINDRED PRODUCTS	1 085	113	301	359	248	35	15	14	-	$7 158	$7 678	495	$10 342
TEXTILE MILL AND FINISHED TEXTILE PRODUCTS	255	13	67	116	49	10	-	-	-	$7 284	$7 377	118	$9 097
PAPER AND ALLIED PRODUCTS	587	17	69	160	247	86	-	8	-	$10 594	$10 306	427	$11 124
OTHER NONDURABLE GOODS	1 628	174	426	540	401	62	17	6	2	$7 461	$7 806	868	$9 682
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG	4 503	214	859	1 323	1 603	389	80	31	4	$9 562	$9 420	2 760	$11 371
METAL INDUSTRIES	751	27	90	139	319	146	30	-	-	$12 350	$11 210	517	$13 152
MACHINERY, INCLUDING ELECTRICAL	2 026	93	350	587	782	169	28	15	2	$9 896	$9 657	1 300	$11 500
TRANSPORTATION EQUIPMENT	119	3	18	52	46	-	-	-	-	$9 206	$8 196	53	$10 600
OTHER DURABLE GOODS	1 607	91	401	545	456	74	22	16	2	$8 070	$8 376	890	$10 134
NONMANUFACTURING INDUSTRIES	1 469	263	398	503	214	64	17	10	-	$6 618	$6 720	600	$9 151
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	68	-	12	28	14	14	-	-	-	$9 400	$10 558	18	$15 289
WHOLESALE AND RETAIL TRADE	783	161	236	241	114	16	13	2	-	$5 907	$6 096	302	$8 723
ALL OTHER INDUSTRIES	618	102	150	234	86	34	4	8	-	$7 046	$7 087	280	$9 320
FABRICATORS, ASSEMBLERS, AND HAND WORKING OCCUPATIONS	22 344	2 236	5 221	7 056	6 478	1 123	161	55	14	$8 181	$8 017	11 374	$10 432
WELDERS AND CUTTERS	755	20	144	195	316	63	17	-	-	$10 237	$9 606	433	$11 730
ASSEMBLERS	20 147	2 033	4 711	6 363	5 839	1 005	133	49	14	$8 168	$8 009	10 208	$10 426
OTHER FABRICATORS AND HAND WORKING OCCUPATIONS	1 442	183	366	498	323	55	11	6	-	$7 421	$7 301	733	$9 599
PRODUCTION INSPECTORS, TESTERS, SAMPLERS, AND WEIGHERS	6 101	470	1 192	1 831	2 021	515	48	24	-	$9 054	$8 858	3 643	$10 979
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	5 350	696	2 144	1 293	732	245	166	63	11	$5 645	$7 016	1 620	$10 923
MOTOR VEHICLE OPERATORS	4 369	640	2 041	992	412	141	103	32	8	$4 849	$6 098	1 039	$10 255
TRUCK DRIVERS AND DRIVER-SALES WORKERS	1 281	146	441	291	240	82	58	18	5	$6 709	$8 089	530	$11 270
BUS DRIVERS	2 686	410	1 433	603	121	57	45	14	3	$4 333	$5 297	391	$9 542
RAIL AND WATER TRANSPORTATION OCCUPATIONS	124	23	2	42	16	20	11	10	-	$9 737	$11 464	65	$13 005
MATERIAL MOVING EQUIPMENT OPERATORS	857	33	101	259	304	84	52	21	3	$10 597	$11 057	516	$11 976
EXCAVATING, GRADING, AND DOZER MACHINE OPERATORS	33	-	6	5	5	2	7	8	-	$16 065	$16 121	11	$26 263
HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS	16 148	3 114	5 212	4 229	2 570	738	206	63	16	$5 782	$6 503	6 126	$9 611
CONSTRUCTION LABORERS	358	70	139	79	28	32	10	-	-	$5 231	$6 326	56	$9 800
FREIGHT, STOCK, AND MATERIAL HANDLERS	3 317	875	1 285	745	295	63	46	8	-	$4 034	$5 105	921	$8 550
GARAGE AND SERVICE STATION RELATED OCCUPATIONS	537	162	244	90	27	14	-	-	-	$3 641	$4 301	173	$6 742
HAND PACKERS AND PACKAGERS	5 899	959	1 850	1 574	1 144	299	49	8	16	$6 324	$6 979	2 439	$10 065
OTHER SPECIFIED HANDLERS, EQUIPMENT CLEANERS, AND HELPERS	1 107	175	403	251	144	95	28	11	-	$5 682	$6 962	382	$9 864
LABORERS, EXCEPT CONSTRUCTION	4 930	873	1 291	1 490	932	235	73	36	-	$6 865	$7 024	2 155	$9 757
MANUFACTURING	2 868	337	710	941	673	147	41	19	-	$7 874	$7 756	1 423	$9 956
NONDURABLE GOODS	1 579	218	462	539	244	71	30	15	-	$6 859	$7 190	693	$9 428
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG	1 289	119	248	402	429	76	11	4	-	$8 980	$8 450	730	$10 593
METAL INDUSTRIES	219	28	56	59	41	22	11	2	-	$7 244	$8 210	124	$10 231
NONMANUFACTURING INDUSTRIES	2 062	536	581	549	259	88	32	17	-	$5 157	$6 006	732	$9 280
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	157	23	47	20	40	22	5	-	-	$8 850	$8 299	63	$14 130
WHOLESALE AND RETAIL TRADE	1 164	233	338	399	147	36	11	-	-	$6 108	$6 076	416	$9 024
ALL OTHER INDUSTRIES	741	280	196	130	72	30	16	17	-	$3 385	$5 410	253	$8 821
EXPERIENCED UNEMPLOYED NOT CLASSIFIED BY OCCUPATION	67	19	19	10	17	-	2	-	-	$4 813	$5 934	11	$10 429

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MINNESOTA

	PERSONS WITH EARNINGS IN 1979											WORKED YEAR ROUND FULL TIME IN 1979	
	16 YEARS AND OVER	$1 TO $1,999 OR LOSS	$2,000 TO $5,999	$6,000 TO $9,999	$10,000 TO $14,999	$15,000 TO $19,999	$20,000 TO $24,999	$25,000 TO $49,999	$50,000 OR MORE	MEDIAN EARNINGS	MEAN EARNINGS	TOTAL	MEDIAN EARNINGS
BLACK													
MALE EXPERIENCED CIVILIAN LABOR FORCE	11 406	1 210	1 879	1 624	2 502	2 084	1 123	913	71	$11 990	$12 553	6 517	$15 363
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS	2 541	143	217	191	485	539	423	502	41	$16 743	$17 941	1 686	$19 506
EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS	1 220	61	55	86	271	242	175	307	23	$17 408	$19 325	894	$20 248
OFFICIALS AND ADMINISTRATORS, PUBLIC ADMINISTRATION	22	-	-	-	-	3	6	13	-	$26 261	$28 319	22	$26 261
ADMINISTRATORS, EDUCATION AND RELATED FIELDS	69	-	6	7	18	12	19	7	-	$16 140	$16 228	17	$11 700
MANAGERS, MEDICINE AND HEALTH	7	-	-	-	5	2	-	-	-	$11 400	$12 348	7	$11 400
OTHER SPECIFIED MANAGERS	137	6	13	11	10	16	-	58	23	$26 785	$28 603	103	$30 228
MANAGERS AND ADMINISTRATORS, N.E.C., SALARIED	580	37	20	39	140	119	72	153	-	$16 840	$18 560	445	$18 891
MANUFACTURING	140	-	6	-	11	27	17	79	-	$26 849	$25 658	129	$26 949
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	40	-	-	8	-	18	7	7	-	$17 665	$19 209	40	$17 665
WHOLESALE AND RETAIL TRADE	121	5	14	8	61	14	19	-	-	$11 489	$12 183	72	$12 892
ALL OTHER INDUSTRIES	279	32	-	23	68	60	29	67	-	$16 027	$17 671	204	$17 652
MANAGERS AND ADMINISTRATORS, N.E.C., SELF-EMPLOYED	25	6	-	-	16	3	-	-	-	$12 199	$7 953	5	$11 000
CONSTRUCTION	-	-	-	-	-	-	-	-	-	-	-	-	-
MANUFACTURING	-	-	-	-	-	-	-	-	-	-	-	-	-
WHOLESALE AND RETAIL TRADE	11	6	-	-	5	-	-	-	-	$1,000-	$1 727	5	$11 000
ALL OTHER INDUSTRIES	14	-	-	-	11	3	-	-	-	$13 267	$12 845	-	-
MANAGEMENT RELATED OCCUPATIONS	380	12	16	29	82	87	78	76	-	$17 475	$18 066	295	$19 760
ACCOUNTANTS AND AUDITORS	107	4	3	23	18	33	7	19	-	$15 524	$14 985	71	$17 636
BUYERS AND PURCHASING AGENTS	19	-	6	6	-	-	7	-	-	$7 167	$10 017	7	$20 453
PROFESSIONAL SPECIALTY OCCUPATIONS	1 321	82	162	105	214	297	248	195	18	$16 244	$16 662	792	$18 769
ENGINEERS, ARCHITECTS, AND SURVEYORS	221	8	-	8	31	41	91	42	-	$20 731	$19 181	193	$20 919
ARCHITECTS	15	-	-	-	-	-	5	10	-	$25 202	$23 715	15	$25 202
ENGINEERS	206	8	-	8	31	41	86	32	-	$20 470	$18 851	178	$20 599
ELECTRICAL AND ELECTRONIC ENGINEERS	89	8	-	8	-	11	42	20	-	$21 352	$18 618	73	$21 840
MECHANICAL ENGINEERS	36	-	-	-	22	5	9	-	-	$13 617	$15 156	36	$13 617
OTHER ENGINEERS	81	-	-	-	9	25	35	12	-	$20 493	$20 749	69	$20 637
SURVEYORS AND MAPPING SCIENTISTS	-	-	-	-	-	-	-	-	-	-	-	-	-
MATHEMATICAL AND COMPUTER SCIENTISTS	44	-	-	-	-	11	18	15	-	$22 432	$23 914	38	$22 854
COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS	38	-	-	-	-	11	12	15	-	$22 854	$23 823	38	$22 854
NATURAL SCIENTISTS	50	-	11	-	7	-	5	27	-	$25 056	$19 246	50	$25 056
HEALTH DIAGNOSING OCCUPATIONS	60	7	-	7	7	7	10	19	3	$20 784	$21 822	46	$24 347
PHYSICIANS	41	7	-	-	-	7	5	19	3	$25 469	$26 005	34	$26 754
DENTISTS	14	-	-	7	7	-	-	-	-	$10 000	$9 508	7	$9 000
OTHER HEALTH DIAGNOSING PRACTITIONERS	5	-	-	-	-	-	5	-	-	$20 453	$22 005	5	$20 453
HEALTH ASSESSMENT AND TREATING OCCUPATIONS	56	-	-	8	7	27	-	7	7	$16 612	$29 518	28	$14 435
REGISTERED NURSES	23	-	-	-	7	9	-	-	7	$16 827	$43 687	13	$14 657
PHARMACISTS	4	-	-	-	-	4	-	-	-	$15 439	$18 005	-	-
THERAPISTS	29	-	-	8	-	14	-	7	-	$16 528	$19 868	15	$9 875
TEACHERS, LIBRARIANS, AND COUNSELORS	412	29	37	56	86	96	67	33	8	$14 823	$15 110	162	$15 806
TEACHERS, POSTSECONDARY	117	11	6	5	20	23	18	26	8	$18 233	$19 822	38	$17 727
TEACHERS, ELEMENTARY AND PRE-KINDERGARTEN	109	-	-	5	24	44	36	-	-	$17 225	$17 231	36	$16 662
TEACHERS, SECONDARY	59	-	7	17	27	-	8	-	-	$10 647	$10 741	25	$13 267
SOCIAL SCIENTISTS AND URBAN PLANNERS	51	-	-	5	5	23	6	12	-	$17 708	$18 997	46	$18 358
SOCIAL AND RECREATION WORKERS	149	12	41	21	18	28	18	11	-	$10 333	$11 746	69	$17 474
RELIGIOUS WORKERS	35	-	12	-	8	9	6	-	-	$11 375	$11 288	23	$16 305
LAWYERS AND JUDGES	72	-	10	-	12	21	21	8	-	$17 842	$19 900	46	$20 820
WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES	171	26	51	-	33	34	6	21	-	$11 700	$11 831	91	$16 635
TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS	2 505	269	439	347	634	442	217	157	-	$11 646	$11 530	1 395	$15 279
TECHNICIANS AND RELATED SUPPORT OCCUPATIONS	464	29	43	62	117	104	38	71	-	$14 164	$14 237	316	$17 053
HEALTH TECHNOLOGISTS AND TECHNICIANS	41	7	8	11	6	9	-	-	-	$7 833	$8 711	20	$14 325
LICENSED PRACTICAL NURSES	5	-	-	5	-	-	-	-	-	$9 000	$9 005	5	$9 000
ENGINEERING AND SCIENCE TECHNICIANS	227	11	26	30	66	40	16	38	-	$13 709	$14 121	144	$17 226
ELECTRICAL AND ELECTRONIC TECHNICIANS	110	11	10	18	18	5	16	32	-	$14 480	$15 456	67	$24 378
DRAFTING AND SURVEYING TECHNICIANS	55	-	16	6	24	9	-	-	-	$11 833	$10 732	27	$13 814
TECHNICIANS, EXCEPT HEALTH, ENGINEERING, AND SCIENCE	196	11	9	21	45	55	22	33	-	$15 737	$15 527	152	$17 488
AIRPLANE PILOTS AND NAVIGATORS	5	-	-	-	-	5	-	-	-	$15 439	$15 865	5	$15 439
COMPUTER PROGRAMMERS	85	-	-	13	23	36	-	13	-	$15 470	$15 500	65	$16 397
SALES OCCUPATIONS	723	68	110	98	174	162	67	44	-	$12 483	$12 217	419	$15 576
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS	115	18	24	27	27	10	9	-	-	$7 824	$8 790	77	$12 048
SELF-EMPLOYED	26	10	9	-	7	-	-	-	-	$5 333	$4 878	12	$11 000
SALES REPRESENTATIVES, FINANCE AND BUSINESS SERVICES	222	9	6	19	69	59	34	26	-	$15 445	$15 670	123	$18 633
SALES REPRESENTATIVES, COMMODITIES, EXCEPT RETAIL	162	10	10	33	12	60	19	18	-	$15 829	$15 186	130	$16 186
SALES WORKERS, RETAIL AND PERSONAL SERVICES	224	31	70	19	66	33	5	-	-	$9 158	$8 406	89	$12 809
CASHIERS	42	14	23	-	-	5	-	-	-	$2 875	$4 232	12	$4 857
SALES RELATED OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 222. OCCUPATION OF THE EXPERIENCED CIVILIAN LABOR FORCE BY EARNINGS IN 1979, LABOR FORCE STATUS IN 1979, 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]

MINNESOTA

	PERSONS WITH EARNINGS IN 1979											WORKED YEAR ROUND FULL TIME IN 1979	
	16 YEARS AND OVER	$1 TO $1,999 OR LOSS	$2,000 TO $5,999	$6,000 TO $9,999	$10,000 TO $14,999	$15,000 TO $19,999	$20,000 TO $24,999	$25,000 TO $49,999	$50,000 OR MORE	MEDIAN EARNINGS	MEAN EARNINGS	TOTAL	MEDIAN EARNINGS
BLACK													
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL	1 318	172	286	187	343	176	112	42	-	$10 194	$10 200	660	$13 872
SUPERVISORS, ADMINISTRATIVE SUPPORT OCCUPATIONS	144	10	21	-	36	29	38	10	-	$15 626	$14 769	110	$17 433
COMPUTER EQUIPMENT OPERATORS	40	-	-	7	10	19	4	-	-	$15 349	$14 299	36	$15 037
SECRETARIES, STENOGRAPHERS, AND TYPISTS	24	-	12	-	12	-	-	-	-	$7 000	$7 087	12	$11 714
SECRETARIES	-	-	-	-	-	-	-	-	-	-	-	-	-
RECEPTIONISTS	19	-	5	6	8	-	-	-	-	$7 500	$8 947	8	$12 272
FILE CLERKS	30	12	18	-	-	-	-	-	-	$2 167	$2 003	-	-
FINANCIAL RECORDS PROCESSING OCCUPATIONS	106	8	33	9	56	-	-	-	-	$10 316	$8 175	43	$12 162
BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS	38	8	7	4	19	-	-	-	-	$9 000	$6 944	19	$11 727
TELEPHONE OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-	-
MAIL AND MESSAGE DISTRIBUTING OCCUPATIONS	129	19	35	8	13	15	28	11	-	$10 833	$11 850	63	$17 711
TRAFFIC, SHIPPING, STOCK AND INVENTORY CLERKS	325	48	50	63	106	36	15	7	-	$10 068	$9 913	157	$11 958
INSURANCE ADJUSTERS, EXAMINERS, AND INVESTIGATORS	36	6	-	5	19	-	6	-	-	$11 750	$12 013	25	$12 817
BANK TELLERS	2	-	-	-	2	-	-	-	-	$11 000	$10 005	-	-
DATA-ENTRY KEYERS	14	-	-	-	7	-	7	-	-	$17 500	$18 005	14	$17 500
OTHER ADMINISTRATIVE SUPPORT OCCUPATIONS	449	69	112	89	74	77	14	14	-	$8 022	$8 961	192	$14 530
SERVICE OCCUPATIONS	2 123	406	614	427	278	229	135	34	-	$6 294	$8 031	961	$10 663
PRIVATE HOUSEHOLD OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-	-
PROTECTIVE SERVICE OCCUPATIONS	360	22	65	56	72	57	74	14	-	$11 850	$12 367	208	$17 290
FIREFIGHTING OCCUPATIONS	43	-	-	-	15	11	17	-	-	$17 467	$17 982	36	$19 352
POLICE AND DETECTIVES, PUBLIC SERVICE	81	-	-	3	14	22	33	9	-	$20 106	$18 363	69	$19 506
GUARDS	197	22	56	53	32	10	24	-	-	$6 953	$8 328	80	$12 000
OTHER PROTECTIVE SERVICE OCCUPATIONS	39	-	9	-	11	14	-	5	-	$14 552	$14 130	23	$16 714
SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD	1 763	384	549	371	206	172	61	20	-	$5 640	$7 146	753	$9 144
FOOD PREPARATION AND SERVICE OCCUPATIONS	449	135	136	67	25	54	22	10	-	$4 500	$7 035	125	$11 571
WAITERS AND FOOD COUNTER WORKERS	93	25	43	-	13	12	-	-	-	$4 688	$6 188	25	$11 857
COOKS	146	30	47	34	5	14	16	-	-	$5 556	$7 868	46	$9 111
HEALTH SERVICE OCCUPATIONS	214	30	84	76	10	9	5	-	-	$5 731	$5 712	75	$7 528
NURSING AIDES, ORDERLIES, AND ATTENDANTS	183	11	78	70	10	9	5	-	-	$6 077	$6 172	75	$7 528
CLEANING AND BUILDING SERVICE OCCUPATIONS EXC. HOUSEHOLD	860	116	278	211	139	91	20	5	-	$6 581	$7 676	445	$9 177
PERSONAL SERVICE OCCUPATIONS	240	103	51	17	32	18	14	5	-	$2 810	$6 732	108	$8 250
BARBERS, HAIRDRESSERS AND COSMETOLOGISTS	27	15	-	-	-	-	7	5	-	$1 786	$11 844	27	$1 786
FARMING, FORESTRY, AND FISHING OCCUPATIONS	55	25	9	-	21	-	-	-	-	$2 417	$5 861	19	$12 022
FARM OPERATORS AND MANAGERS	5	-	-	-	5	-	-	-	-	$12 077	$11 205	5	$12 077
FARM OCCUPATIONS, EXCEPT MANAGERIAL	14	5	9	-	-	-	-	-	-	$2 333	$2 597	-	-
RELATED AGRICULTURAL OCCUPATIONS	34	18	-	-	16	-	-	-	-	$1 944	$6 676	12	$12 065
FORESTRY AND FISHING OCCUPATIONS	2	2	-	-	-	-	-	-	-	$1 500	$1 505	2	$1 500
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS	1 132	55	119	196	237	239	157	121	8	$13 772	$14 539	723	$15 626
MECHANICS AND REPAIRERS	362	34	50	44	85	76	58	15	-	$12 840	$12 475	229	$15 328
AUTOMOBILE MECHANICS, INCLUDING BODY	133	14	22	11	48	34	4	-	-	$11 444	$10 457	89	$12 708
AIRCRAFT MECHANICS	17	-	-	-	-	5	6	6	-	$22 348	$22 574	11	$20 062
HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER MECHANICS AND REPAIRERS	212	20	28	33	37	37	48	9	-	$13 489	$12 932	129	$16 934
CONSTRUCTION TRADES	400	10	59	95	93	76	36	31	-	$11 220	$12 601	217	$14 722
CARPENTERS	58	-	6	22	16	3	11	-	-	$10 125	$11 568	39	$10 625
ELECTRICIANS	81	-	5	17	27	19	13	-	-	$13 765	$13 979	76	$14 089
PAINTERS, CONSTRUCTION AND MAINTENANCE	66	-	7	14	27	18	-	-	-	$11 200	$11 259	45	$12 890
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	62	10	-	7	7	14	12	12	-	$17 039	$16 209	11	$18 268
OTHER CONSTRUCTION TRADES	133	-	41	35	16	22	-	19	-	$8 417	$11 198	46	$17 876
EXTRACTIVE OCCUPATIONS	17	-	-	-	-	17	-	-	-	$15 439	$19 443	11	$15 439
PRECISION PRODUCTION OCCUPATIONS	353	11	10	57	59	70	63	75	8	$17 399	$18 613	266	$17 105
SUPERVISORS, PRODUCTION OCCUPATIONS	157	4	6	5	-	46	42	54	-	$21 624	$21 718	104	$21 670
MANUFACTURING	138	4	-	5	-	39	36	54	-	$22 461	$22 745	91	$22 296
PRECISION METALWORKING OCCUPATIONS	80	7	-	24	36	4	2	7	-	$11 800	$11 885	68	$11 000
TOOL AND DIE MAKERS	7	-	-	-	7	-	-	-	-	$12 272	$12 005	7	$12 272
MACHINISTS	71	7	-	24	29	4	-	7	-	$10 900	$11 531	59	$9 833
SHEET METAL WORKERS	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER PRECISION METAL WORKERS	2	-	-	-	-	-	2	-	-	$20 453	$24 005	2	$20 453
PRECISION TEXTILE, APPAREL, AND FURNISHINGS MACHINE WORKERS	43	-	-	17	10	-	-	8	8	$10 900	$23 751	43	$10 900
PLANT AND SYSTEM OPERATORS	31	-	-	6	-	15	10	-	-	$17 429	$17 499	24	$18 293
OTHER PRECISION PRODUCTION OCCUPATIONS	42	-	4	5	13	5	9	6	-	$14 390	$15 385	27	$12 565

TABLE 222. OCCUPATION OF THE EXPERIENCED CIVILIAN LABOR FORCE BY EARNINGS IN 1979, LABOR FORCE STATUS IN 1979, 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]

MINNESOTA

	PERSONS WITH EARNINGS IN 1979											WORKED YEAR ROUND FULL TIME IN 1979	
	16 YEARS AND OVER	$1 TO $1,999 OR LOSS	$2,000 TO $5,999	$6,000 TO $9,999	$10,000 TO $14,999	$15,000 TO $19,999	$20,000 TO $24,999	$25,000 TO $49,999	$50,000 OR MORE	MEDIAN EARNINGS	MEAN EARNINGS	TOTAL	MEDIAN EARNINGS
BLACK													
OPERATORS, FABRICATORS, AND LABORERS	3 026	312	475	456	836	635	191	99	22	$11 782	$11 454	1 716	$14 292
MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS	1 449	133	167	257	443	322	83	22	22	$11 831	$11 891	869	$13 712
MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION	840	73	91	132	280	180	50	22	12	$11 784	$12 035	505	$13 773
METALWORKING AND PLASTIC WORKING MACHINE OPERATORS	123	-	19	-	45	26	25	-	8	$13 632	$15 958	61	$17 586
PRINTING MACHINE OPERATORS	93	14	27	15	21	7	9	-	-	$6 733	$8 095	50	$12 000
TEXTILE, APPAREL, AND FURNISHINGS MACHINE OPERATORS	62	9	5	-	25	19	-	-	4	$11 889	$15 065	48	$14 473
TEXTILE MACHINE OPERATORS	6	-	-	-	-	6	-	-	-	$15 439	$17 165	6	$15 439
TEXTILE SEWING MACHINE OPERATORS	17	-	-	-	-	13	-	-	4	$17 216	$31 358	17	$17 216
LAUNDERING AND DRYCLEANING MACHINE OPERATORS	18	-	5	-	13	-	-	-	-	$11 333	$9 282	13	$12 032
OTHER SPECIFIED MACHINE OPERATORS	243	31	30	53	67	49	4	9	-	$10 577	$10 122	144	$13 313
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS	319	19	10	64	122	79	12	13	-	$12 648	$12 539	202	$13 711
OCCUPATION:													
MISCELLANEOUS MACHINE OPERATORS, N.E.C.	102	-	-	16	30	37	6	13	-	$15 378	$15 937	69	$14 923
MACHINE OPERATORS, NOT SPECIFIED	217	19	10	48	92	42	6	-	-	$11 432	$10 942	133	$13 112
INDUSTRY:													
MANUFACTURING	251	13	9	42	116	46	12	13	-	$12 510	$12 645	176	$13 277
NONDURABLE GOODS	82	13	-	14	31	12	12	-	-	$12 688	$11 482	69	$13 391
FOOD AND KINDRED PRODUCTS	36	-	-	14	4	12	6	-	-	$15 000	$12 605	36	$15 000
TEXTILE MILL AND FINISHED TEXTILE PRODUCTS	-	-	-	-	-	-	-	-	-	-	-	-	-
PAPER AND ALLIED PRODUCTS	14	-	-	-	14	-	-	-	-	$12 272	$13 292	14	$12 272
OTHER NONDURABLE GOODS	32	13	-	-	13	-	6	-	-	$11 000	$9 427	19	$13 137
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG	169	-	9	28	85	34	-	13	-	$12 419	$13 209	107	$13 212
METAL INDUSTRIES	37	-	6	4	14	-	-	13	-	$12 729	$16 040	21	$13 321
MACHINERY, INCLUDING ELECTRICAL	72	-	-	5	43	24	-	-	-	$12 989	$13 566	59	$13 445
TRANSPORTATION EQUIPMENT	18	-	-	-	18	-	-	-	-	$12 272	$13 890	18	$12 272
OTHER DURABLE GOODS	42	-	3	19	10	10	-	-	-	$7 895	$9 812	9	$11 800
NONMANUFACTURING INDUSTRIES	68	6	1	22	6	33	-	-	-	$14 414	$12 149	26	$15 282
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	-	-	-	-	-	-	-	-	-	-	-	-	-
WHOLESALE AND RETAIL TRADE	41	-	1	16	-	24	-	-	-	$15 107	$13 061	11	$15 439
ALL OTHER INDUSTRIES	27	6	-	6	6	9	-	-	-	$12 565	$10 765	15	$15 123
FABRICATORS, ASSEMBLERS, AND HAND WORKING OCCUPATIONS	551	60	73	102	157	123	26	-	10	$12 043	$11 600	325	$13 617
WELDERS AND CUTTERS	140	21	18	8	49	44	-	-	-	$12 917	$10 719	85	$15 024
ASSEMBLERS	393	34	55	94	108	72	20	-	10	$10 818	$11 736	222	$12 951
OTHER FABRICATORS AND HAND WORKING OCCUPATIONS	18	5	-	-	-	7	6	-	-	$17 199	$15 491	18	$17 199
PRODUCTION INSPECTORS, TESTERS, SAMPLERS, AND WEIGHERS	58	-	3	23	6	19	7	-	-	$11 000	$12 569	39	$11 833
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	694	44	141	80	164	160	60	45	-	$12 824	$12 368	394	$15 052
MOTOR VEHICLE OPERATORS	466	34	92	48	110	96	47	39	-	$12 914	$12 664	240	$15 657
TRUCK DRIVERS AND DRIVER-SALES WORKERS	190	11	50	26	38	29	21	15	-	$12 480	$12 006	74	$15 685
BUS DRIVERS	190	11	36	6	38	60	21	18	-	$15 192	$14 018	114	$16 787
RAIL AND WATER TRANSPORTATION OCCUPATIONS	33	-	6	-	5	11	11	-	-	$16 902	$14 975	19	$18 309
MATERIAL MOVING EQUIPMENT OPERATORS	195	10	43	32	49	53	2	6	-	$12 085	$11 222	135	$13 750
EXCAVATING, GRADING, AND DOZER MACHINE OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-	-
HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS	883	135	167	119	229	153	48	32	-	$10 512	$10 016	453	$15 045
CONSTRUCTION LABORERS	139	10	23	27	75	4	-	-	-	$10 704	$9 136	54	$12 182
FREIGHT, STOCK, AND MATERIAL HANDLERS	228	66	59	28	10	33	11	21	-	$4 824	$8 278	81	$18 176
GARAGE AND SERVICE STATION RELATED OCCUPATIONS	4	-	-	-	-	-	4	-	-	$20 453	$20 305	4	$20 453
HAND PACKERS AND PACKAGERS	96	15	19	17	31	14	-	-	-	$7 647	$8 616	61	$12 660
OTHER SPECIFIED HANDLERS, EQUIPMENT CLEANERS, AND HELPERS	98	22	7	5	15	36	11	2	-	$15 000	$11 848	64	$16 452
LABORERS, EXCEPT CONSTRUCTION	318	22	59	42	98	66	22	9	-	$11 946	$11 376	189	$14 841
MANUFACTURING	105	14	12	17	37	20	5	-	-	$11 267	$10 914	60	$13 689
NONDURABLE GOODS	41	7	4	11	14	-	5	-	-	$9 727	$9 942	26	$12 786
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG.	64	7	8	6	23	20	-	-	-	$11 467	$11 537	34	$15 110
METAL INDUSTRIES	41	7	8	-	15	11	-	-	-	$10 733	$10 357	25	$11 500
NONMANUFACTURING INDUSTRIES	213	8	47	25	61	46	17	9	-	$12 259	$11 604	129	$15 239
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	69	-	8	15	18	21	7	-	-	$13 657	$12 549	54	$15 114
WHOLESALE AND RETAIL TRADE	69	-	23	10	13	13	10	-	-	$10 429	$11 152	36	$16 325
ALL OTHER INDUSTRIES	75	8	16	-	30	12	-	9	-	$11 800	$11 151	39	$13 555
EXPERIENCED UNEMPLOYED NOT CLASSIFIED BY OCCUPATION	24	-	6	7	11	-	-	-	-	$7 714	$9 143	17	$12 107

TABLE 222. OCCUPATION OF THE EXPERIENCED CIVILIAN LABOR FORCE BY EARNINGS IN 1979, LABOR FORCE STATUS IN 1979, 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]

MINNESOTA

	PERSONS WITH EARNINGS IN 1979											WORKED YEAR ROUND FULL TIME IN 1979	
	16 YEARS AND OVER	$1 TO $1,999 OR LOSS	$2,000 TO $5,999	$6,000 TO $9,999	$10,000 TO $14,999	$15,000 TO $19,999	$20,000 TO $24,999	$25,000 TO $49,999	$50,000 OR MORE	MEDIAN EARNINGS	MEAN EARNINGS	TOTAL	MEDIAN EARNINGS
BLACK													
FEMALE EXPERIENCED CIVILIAN LABOR FORCE	8 880	1 318	1 702	2 550	1 790	1 007	356	149	8	$8 456	$8 882	4 150	$11 071
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS	2 012	144	252	429	505	377	233	72	-	$11 783	$12 083	990	$13 750
EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS	844	42	76	194	219	207	64	42	-	$12 396	$12 679	533	$13 396
OFFICIALS AND ADMINISTRATORS, PUBLIC ADMINISTRATION	18	-	-	-	-	13	5	-	-	$17 527	$17 256	10	$20 000
ADMINISTRATORS, EDUCATION AND RELATED FIELDS	71	5	-	14	5	15	13	19	-	$18 505	$19 235	28	$17 232
MANAGERS, MEDICINE AND HEALTH	10	-	-	-	-	10	-	-	-	$15 439	$17 165	10	$15 439
OTHER SPECIFIED MANAGERS	130	14	20	26	-	34	24	12	-	$15 489	$12 658	84	$17 774
MANAGERS AND ADMINISTRATORS, N.E.C., SALARIED	189	-	20	40	70	43	5	11	-	$12 193	$12 478	135	$12 696
MANUFACTURING	48	-	-	7	25	11	5	-	-	$13 238	$12 845	38	$12 714
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	-	-	-	-	-	-	-	-	-	-	-	-	-
WHOLESALE AND RETAIL TRADE	40	-	-	5	23	6	-	6	-	$11 304	$15 430	40	$11 304
ALL OTHER INDUSTRIES	101	-	20	28	22	26	-	5	-	$12 244	$11 135	57	$13 639
MANAGERS AND ADMINISTRATORS, N.E.C., SELF-EMPLOYED	9	-	-	9	-	-	-	-	-	$7 000	$7 005	-	-
CONSTRUCTION	-	-	-	-	-	-	-	-	-	-	-	-	-
MANUFACTURING	-	-	-	-	-	-	-	-	-	-	-	-	-
WHOLESALE AND RETAIL TRADE	-	-	-	-	-	-	-	-	-	-	-	-	-
ALL OTHER INDUSTRIES	9	-	-	9	-	-	-	-	-	$7 000	$7 005	-	-
MANAGEMENT RELATED OCCUPATIONS	417	23	36	105	144	92	17	-	-	$11 712	$11 477	266	$12 373
ACCOUNTANTS AND AUDITORS	132	6	7	57	45	13	4	-	-	$9 750	$10 246	96	$10 889
BUYERS AND PURCHASING AGENTS	28	-	7	9	12	-	-	-	-	$9 556	$9 338	21	$12 056
PROFESSIONAL SPECIALTY OCCUPATIONS	1 168	102	176	235	286	170	169	30	-	$11 235	$11 653	457	$14 244
ENGINEERS, ARCHITECTS, AND SURVEYORS	19	-	-	6	8	-	5	-	-	$12 912	$12 967	13	$14 109
ARCHITECTS	-	-	-	-	-	-	-	-	-	-	-	-	-
ENGINEERS	19	-	-	6	8	-	5	-	-	$12 912	$12 967	13	$14 109
ELECTRICAL AND ELECTRONIC ENGINEERS	12	-	-	6	6	-	-	-	-	$10 000	$9 945	6	$12 272
MECHANICAL ENGINEERS	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER ENGINEERS	7	-	-	-	2	-	5	-	-	$20 244	$18 148	7	$20 244
SURVEYORS AND MAPPING SCIENTISTS	-	-	-	-	-	-	-	-	-	-	-	-	-
MATHEMATICAL AND COMPUTER SCIENTISTS	50	-	-	15	-	5	25	5	-	$20 459	$17 933	50	$20 459
COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS	50	-	-	15	-	5	25	5	-	$20 459	$17 933	50	$20 459
NATURAL SCIENTISTS	30	-	-	17	4	9	-	-	-	$7 765	$11 204	23	$12 927
HEALTH DIAGNOSING OCCUPATIONS	28	6	-	-	16	-	-	6	-	$12 969	$16 563	19	$13 137
PHYSICIANS	6	-	-	-	-	-	-	6	-	$40 906	$44 505	6	$40 906
DENTISTS	22	6	-	-	16	-	-	-	-	$12 153	$8 942	13	$12 032
OTHER HEALTH DIAGNOSING PRACTITIONERS	-	-	-	-	-	-	-	-	-	-	-	-	-
HEALTH ASSESSMENT AND TREATING OCCUPATIONS	179	10	24	55	35	18	37	-	-	$10 067	$11 535	90	$15 000
REGISTERED NURSES	129	10	12	52	16	18	21	-	-	$9 635	$11 242	62	$13 660
PHARMACISTS	3	-	-	-	-	-	3	-	-	$20 453	$23 005	3	$20 453
THERAPISTS	33	-	5	-	15	-	13	-	-	$13 995	$14 282	21	$20 149
TEACHERS, LIBRARIANS, AND COUNSELORS	576	67	101	81	162	94	71	-	-	$11 040	$10 545	153	$12 263
TEACHERS, POSTSECONDARY	79	22	13	15	17	7	5	-	-	$7 800	$8 789	35	$12 421
TEACHERS, ELEMENTARY AND PRE-KINDERGARTEN	296	40	58	40	76	41	41	-	-	$10 714	$10 086	60	$12 000
TEACHERS, SECONDARY	105	-	16	16	55	18	-	-	-	$11 079	$10 489	13	$11 000
SOCIAL SCIENTISTS AND URBAN PLANNERS	18	-	-	7	-	4	7	-	-	$17 044	$15 644	18	$17 044
SOCIAL AND RECREATION WORKERS	173	4	44	42	32	33	7	11	-	$9 750	$11 700	47	$17 029
RELIGIOUS WORKERS	-	-	-	-	-	-	-	-	-	-	-	-	-
LAWYERS AND JUDGES	12	-	-	-	-	7	5	-	-	$18 837	$19 538	12	$18 837
WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES	83	15	7	12	29	-	12	8	-	$11 875	$11 918	32	$14 547
TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS	3 794	644	633	1 334	705	328	91	51	8	$8 078	$8 336	1 811	$10 392
TECHNICIANS AND RELATED SUPPORT OCCUPATIONS	280	22	22	60	51	67	31	19	8	$13 721	$15 712	162	$15 992
HEALTH TECHNOLOGISTS AND TECHNICIANS	97	22	11	30	18	5	5	6	-	$8 739	$9 778	65	$9 615
LICENSED PRACTICAL NURSES	47	13	-	10	18	-	-	6	-	$10 250	$11 394	33	$12 436
ENGINEERING AND SCIENCE TECHNICIANS	65	-	-	30	6	22	-	7	-	$10 833	$13 185	17	$18 780
ELECTRICAL AND ELECTRONIC TECHNICIANS	37	-	-	24	6	-	-	7	-	$8 429	$11 804	7	$25 462
DRAFTING AND SURVEYING TECHNICIANS	-	-	-	-	-	-	-	-	-	-	-	-	-
TECHNICIANS, EXCEPT HEALTH, ENGINEERING, AND SCIENCE	118	-	11	-	27	40	26	6	8	$17 021	$21 983	80	$18 058
AIRPLANE PILOTS AND NAVIGATORS	6	-	-	-	-	6	-	-	-	$15 439	$17 005	-	-
COMPUTER PROGRAMMERS	68	-	4	-	15	34	7	-	8	$16 393	$24 836	49	$15 987
SALES OCCUPATIONS	530	176	114	131	61	48	-	-	-	$3 919	$5 724	150	$9 742
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS	21	-	-	15	-	6	-	-	-	$8 714	$10 006	21	$8 714
SELF-EMPLOYED	-	-	-	-	-	-	-	-	-	-	-	-	-
SALES REPRESENTATIVES, FINANCE AND BUSINESS SERVICES	97	19	-	31	13	34	-	-	-	$9 727	$10 190	47	$13 208
SALES REPRESENTATIVES, COMMODITIES, EXCEPT RETAIL	12	-	-	-	12	-	-	-	-	$12 272	$12 730	6	$12 272
SALES WORKERS, RETAIL AND PERSONAL SERVICES	400	157	114	85	36	8	-	-	-	$2 782	$4 206	76	$9 250
CASHIERS	184	97	37	37	5	8	-	-	-	$1 815	$3 522	18	$14 210
SALES RELATED OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 222. OCCUPATION OF THE EXPERIENCED CIVILIAN LABOR FORCE BY EARNINGS IN 1979, LABOR FORCE STATUS IN 1979, 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]

MINNESOTA

	PERSONS WITH EARNINGS IN 1979											WORKED YEAR ROUND FULL TIME IN 1979	
	16 YEARS AND OVER	$1 TO $1,999 OR LOSS	$2,000 TO $5,999	$6,000 TO $9,999	$10,000 TO $14,999	$15,000 TO $19,999	$20,000 TO $24,999	$25,000 TO $49,999	$50,000 OR MORE	MEDIAN EARNINGS	MEAN EARNINGS	TOTAL	MEDIAN EARNINGS
BLACK													
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL	2 984	446	497	1 143	593	213	60	32	-	$8 172	$8 107	1 499	$10 135
SUPERVISORS, ADMINISTRATIVE SUPPORT OCCUPATIONS	69	-	-	10	13	16	13	17	-	$18 204	$18 823	69	$18 204
COMPUTER EQUIPMENT OPERATORS	86	17	-	21	41	7	-	-	-	$10 588	$9 086	58	$12 121
SECRETARIES, STENOGRAPHERS, AND TYPISTS	716	64	77	388	147	40	-	-	-	$8 587	$8 062	429	$9 375
SECRETARIES	560	44	58	290	136	32	-	-	-	$8 783	$8 272	350	$9 510
RECEPTIONISTS	138	9	38	48	34	9	-	-	-	$7 419	$7 950	60	$7 935
FILE CLERKS	130	28	26	76	-	-	-	-	-	$6 537	$5 265	8	$9 000
FINANCIAL RECORDS PROCESSING OCCUPATIONS	298	51	50	122	53	14	-	8	-	$7 959	$7 621	130	$10 400
BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS	194	45	43	69	31	6	-	-	-	$7 000	$6 277	63	$10 200
TELEPHONE OPERATORS	55	14	20	7	8	6	-	-	-	$4 850	$6 172	31	$7 571
MAIL AND MESSAGE DISTRIBUTING OCCUPATIONS	114	16	28	50	-	13	7	-	-	$6 578	$7 373	24	$15 568
TRAFFIC, SHIPPING, STOCK AND INVENTORY CLERKS	23	7	6	5	5	-	-	-	-	$4 750	$5 248	10	$9 000
INSURANCE ADJUSTERS, EXAMINERS, AND INVESTIGATORS	52	6	2	6	31	7	-	-	-	$12 321	$10 808	44	$12 633
BANK TELLERS	98	12	30	56	-	-	-	-	-	$6 737	$5 817	40	$8 400
DATA-ENTRY KEYERS	170	14	59	57	33	7	-	-	-	$8 421	$7 296	74	$9 818
OTHER ADMINISTRATIVE SUPPORT OCCUPATIONS	1 035	208	161	297	228	94	40	7	-	$8 096	$8 322	522	$10 965
SERVICE OCCUPATIONS	1 637	358	569	412	185	93	20	-	-	$4 858	$5 908	540	$9 297
PRIVATE HOUSEHOLD OCCUPATIONS	20	9	11	-	-	-	-	-	-	$2 091	$1 425	-	-
PROTECTIVE SERVICE OCCUPATIONS	46	11	-	12	8	5	10	-	-	$10 000	$10 444	24	$17 573
FIREFIGHTING OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-	-
POLICE AND DETECTIVES, PUBLIC SERVICE	10	-	-	-	-	-	10	-	-	$20 453	$20 005	10	$20 453
GUARDS	27	11	-	10	6	-	-	-	-	$8 500	$5 649	5	$1 500
OTHER PROTECTIVE SERVICE OCCUPATIONS	9	-	-	2	2	5	-	-	-	$15 072	$14 205	9	$15 072
SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD	1 571	338	558	400	177	88	10	-	-	$4 841	$5 832	516	$9 217
FOOD PREPARATION AND SERVICE OCCUPATIONS	247	74	109	38	16	-	10	-	-	$3 278	$4 372	36	$10 000
WAITERS AND FOOD COUNTER WORKERS	86	54	28	-	-	-	4	-	-	$1 577	$2 603	4	$20 453
COOKS	34	-	15	11	8	-	-	-	-	$6 800	$6 669	12	$6 000
HEALTH SERVICE OCCUPATIONS	534	117	178	141	81	17	-	-	-	$4 971	$5 698	208	$9 420
NURSING AIDES, ORDERLIES, AND ATTENDANTS	477	106	147	141	76	7	-	-	-	$5 463	$5 703	193	$9 203
CLEANING AND BUILDING SERVICE OCCUPATIONS EXC. HOUSEHOLD	367	76	122	108	41	20	-	-	-	$5 685	$6 028	143	$8 833
PERSONAL SERVICE OCCUPATIONS	423	71	149	113	39	51	-	-	-	$5 528	$6 684	129	$9 026
BARBERS, HAIRDRESSERS AND COSMETOLOGISTS	54	-	33	11	10	-	-	-	-	$4 500	$6 116	28	$9 273
FARMING, FORESTRY, AND FISHING OCCUPATIONS	37	-	20	12	5	-	-	-	-	$5 750	$6 421	35	$5 583
FARM OPERATORS AND MANAGERS	-	-	-	-	-	-	-	-	-	-	-	-	-
FARM OCCUPATIONS, EXCEPT MANAGERIAL	5	-	-	-	5	-	-	-	-	$11 000	$10 005	5	$11 000
RELATED AGRICULTURAL OCCUPATIONS	30	-	20	10	-	-	-	-	-	$5 167	$5 675	30	$5 167
FORESTRY AND FISHING OCCUPATIONS	2	-	-	2	-	-	-	-	-	$9 000	$8 645	-	-
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS	236	25	12	45	57	79	10	8	-	$13 283	$12 197	154	$15 027
MECHANICS AND REPAIRERS	51	5	6	9	11	20	-	-	-	$13 255	$11 152	34	$15 110
AUTOMOBILE MECHANICS, INCLUDING BODY	11	-	-	-	11	-	-	-	-	$12 272	$14 855	-	-
AIRCRAFT MECHANICS	-	-	-	-	-	-	-	-	-	-	-	-	-
HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER MECHANICS AND REPAIRERS	40	5	6	9	-	20	-	-	-	$11 500	$10 134	34	$15 110
CONSTRUCTION TRADES	5	-	-	-	-	5	-	-	-	$15 439	$15 815	5	$15 439
CARPENTERS	-	-	-	-	-	-	-	-	-	-	-	-	-
ELECTRICIANS	-	-	-	-	-	-	-	-	-	-	-	-	-
PAINTERS, CONSTRUCTION AND MAINTENANCE	-	-	-	-	-	-	-	-	-	-	-	-	-
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER CONSTRUCTION TRADES	5	-	-	-	-	5	-	-	-	$15 439	$15 815	5	$15 439
EXTRACTIVE OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-	-
PRECISION PRODUCTION OCCUPATIONS	180	20	6	36	46	54	10	8	-	$13 053	$12 392	115	$14 001
SUPERVISORS, PRODUCTION OCCUPATIONS	52	-	-	6	36	-	10	-	-	$12 744	$14 103	37	$12 603
MANUFACTURING	15	-	-	6	9	-	-	-	-	$12 077	$11 445	6	$7 000
PRECISION METALWORKING OCCUPATIONS	42	20	-	8	-	14	-	-	-	$8 250	$7 334	16	$12 500
TOOL AND DIE MAKERS	-	-	-	-	-	-	-	-	-	-	-	-	-
MACHINISTS	22	-	-	8	-	14	-	-	-	$15 162	$12 670	16	$12 500
SHEET METAL WORKERS	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER PRECISION METAL WORKERS	20	20	-	-	-	-	-	-	-	$1 500	$1 463	-	-
PRECISION TEXTILE, APPAREL, AND FURNISHINGS MACHINE WORKERS	17	-	-	17	-	-	-	-	-	$7 308	$7 269	17	$7 308
PLANT AND SYSTEM OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER PRECISION PRODUCTION OCCUPATIONS	69	-	6	5	10	40	-	8	-	$15 817	$15 444	45	$15 289

TABLE 222. OCCUPATION OF THE EXPERIENCED CIVILIAN LABOR FORCE BY EARNINGS IN 1979, LABOR FORCE STATUS IN 1979, SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

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MINNESOTA

	PERSONS WITH EARNINGS IN 1979											WORKED YEAR ROUND FULL TIME IN 1979	
	16 YEARS AND OVER	$1 TO $1,999 OR LOSS	$2,000 TO $5,999	$6,000 TO $9,999	$10,000 TO $14,999	$15,000 TO $19,999	$20,000 TO $24,999	$25,000 TO $49,999	$50,000 OR MORE	MEDIAN EARNINGS	MEAN EARNINGS	TOTAL	MEDIAN EARNINGS
BLACK													
OPERATORS, FABRICATORS, AND LABORERS	1 164	147	216	318	333	130	2	18	-	$9 096	$8 721	620	$11 143
MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS	932	109	143	274	289	105	-	12	-	$9 351	$8 959	510	$11 255
MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION	328	60	33	107	104	24	-	-	-	$8 839	$7 938	169	$10 795
METALWORKING AND PLASTIC WORKING MACHINE OPERATORS	36	-	7	-	23	6	-	-	-	$11 222	$10 276	11	$15 060
PRINTING MACHINE OPERATORS	25	-	11	5	9	-	-	-	-	$7 500	$7 276	12	$10 667
TEXTILE, APPAREL, AND FURNISHINGS MACHINE OPERATORS	112	14	15	71	12	-	-	-	-	$7 459	$6 793	47	$7 621
TEXTILE MACHINE OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-	-
TEXTILE SEWING MACHINE OPERATORS	34	-	-	34	-	-	-	-	-	$8 000	$8 237	16	$7 778
LAUNDERING AND DRYCLEANING MACHINE OPERATORS	52	14	15	17	6	-	-	-	-	$3 571	$5 284	5	$9 000
OTHER SPECIFIED MACHINE OPERATORS	20	5	-	7	8	-	-	-	-	$9 429	$7 720	11	$9 571
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS	135	41	-	24	52	18	-	-	-	$10 208	$8 420	88	$12 128
OCCUPATION:													
MISCELLANEOUS MACHINE OPERATORS, N.E.C.	26	-	-	-	26	-	-	-	-	$12 060	$12 097	26	$12 060
MACHINE OPERATORS, NOT SPECIFIED	109	41	-	24	26	18	-	-	-	$8 833	$7 543	62	$12 000
INDUSTRY:													
MANUFACTURING	120	33	-	24	45	18	-	-	-	$10 353	$8 781	81	$12 369
NONDURABLE GOODS	27	9	-	5	13	-	-	-	-	$9 800	$8 393	18	$12 151
FOOD AND KINDRED PRODUCTS	-	-	-	-	-	-	-	-	-	-	-	-	-
TEXTILE MILL AND FINISHED TEXTILE PRODUCTS	5	-	-	5	-	-	-	-	-	$9 000	$8 005	5	$9 000
PAPER AND ALLIED PRODUCTS	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER NONDURABLE GOODS	22	9	-	-	13	-	-	-	-	$12 070	$8 481	13	$12 272
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG	93	24	-	19	32	18	-	-	-	$10 412	$8 893	63	$12 207
METAL INDUSTRIES	9	9	-	-	-	-	-	-	-	$1,000-	$285	-	-
MACHINERY, INCLUDING ELECTRICAL	46	15	-	11	20	-	-	-	-	$8 800	$7 296	25	$11 364
TRANSPORTATION EQUIPMENT	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER DURABLE GOODS	38	-	-	8	12	18	-	-	-	$14 384	$12 865	38	$14 384
NONMANUFACTURING INDUSTRIES	15	8	-	-	7	-	-	-	-	$1,000-	$5 538	7	$11 000
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	-	-	-	-	-	-	-	-	-	-	-	-	-
WHOLESALE AND RETAIL TRADE	-	-	-	-	-	-	-	-	-	-	-	-	-
ALL OTHER INDUSTRIES	15	8	-	-	7	-	-	-	-	$1,000-	$5 538	7	$11 000
FABRICATORS, ASSEMBLERS, AND HAND WORKING OCCUPATIONS	529	49	100	132	173	63	-	12	-	$9 625	$9 387	295	$11 451
WELDERS AND CUTTERS	-	-	-	-	-	-	-	-	-	-	-	-	-
ASSEMBLERS	486	49	94	132	155	44	-	12	-	$9 273	$9 062	258	$11 015
OTHER FABRICATORS AND HAND WORKING OCCUPATIONS	43	-	6	-	18	19	-	-	-	$14 178	$13 058	37	$15 018
PRODUCTION INSPECTORS, TESTERS, SAMPLERS, AND WEIGHERS	75	-	10	35	12	18	-	-	-	$9 571	$10 401	46	$12 699
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	66	-	25	11	-	22	2	6	-	$9 000	$11 731	33	$16 279
MOTOR VEHICLE OPERATORS	36	-	25	5	-	-	-	6	-	$5 222	$9 224	11	$30 119
TRUCK DRIVERS AND DRIVER-SALES WORKERS	15	-	9	-	-	-	-	6	-	$5 833	$16 605	6	$30 879
BUS DRIVERS	21	-	16	5	-	-	-	-	-	$3 313	$3 953	5	$7 000
RAIL AND WATER TRANSPORTATION OCCUPATIONS	2	-	-	-	-	-	2	-	-	$20,453	$24 005	2	$20 453
MATERIAL MOVING EQUIPMENT OPERATORS	28	-	-	6	-	22	-	-	-	$15 295	$14 076	20	$15 223
EXCAVATING, GRADING, AND DOZER MACHINE OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-	-
HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS	166	38	48	33	44	3	-	-	-	$5 786	$6 190	77	$10 130
CONSTRUCTION LABORERS	7	-	7	-	-	-	-	-	-	$2 500	$2 505	-	-
FREIGHT, STOCK, AND MATERIAL HANDLERS	13	4	6	-	-	3	-	-	-	$4 417	$5 987	3	$15 439
GARAGE AND SERVICE STATION RELATED OCCUPATIONS	5	-	-	5	-	-	-	-	-	$9 000	$9 005	5	$9 000
HAND PACKERS AND PACKAGERS	58	5	14	15	24	-	-	-	-	$9 333	$7 820	37	$10 647
OTHER SPECIFIED HANDLERS, EQUIPMENT CLEANERS, AND HELPERS	13	7	-	-	6	-	-	-	-	$1,000-	$5 459	6	$11 000
LABORERS, EXCEPT CONSTRUCTION	70	22	21	13	14	-	-	-	-	$5 429	$5 180	26	$5 929
MANUFACTURING	37	22	-	8	7	-	-	-	-	$1 731	$4 746	7	$12 272
NONDURABLE GOODS	22	22	-	-	-	-	-	-	-	$1 154	$934	-	-
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG	15	-	-	8	7	-	-	-	-	$9 875	$10 338	7	$12 272
METAL INDUSTRIES	15	-	-	8	7	-	-	-	-	$9 875	$10 338	7	$12 272
NONMANUFACTURING INDUSTRIES	33	-	21	5	7	-	-	-	-	$5 679	$5 666	19	$5 679
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	14	-	7	-	7	-	-	-	-	$6 500	$6 205	-	-
WHOLESALE AND RETAIL TRADE	-	-	-	-	-	-	-	-	-	-	-	-	-
ALL OTHER INDUSTRIES	19	-	14	5	-	-	-	-	-	$5 679	$5 268	19	$5 679
EXPERIENCED UNEMPLOYED NOT CLASSIFIED BY OCCUPATION	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 222. OCCUPATION OF THE EXPERIENCED CIVILIAN LABOR FORCE BY EARNINGS IN 1979, LABOR FORCE STATUS IN 1979, 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]

MINNESOTA

	PERSONS WITH EARNINGS IN 1979											WORKED YEAR ROUND FULL TIME IN 1979	
	16 YEARS AND OVER	$1 TO $1,999 OR LOSS	$2,000 TO $5,999	$6,000 TO $9,999	$10,000 TO $14,999	$15,000 TO $19,999	$20,000 TO $24,999	$25,000 TO $49,999	$50,000 OR MORE	MEDIAN EARNINGS	MEAN EARNINGS	TOTAL	MEDIAN EARNINGS
AMERICAN INDIAN, ESKIMO, ALEUT													
MALE EXPERIENCED CIVILIAN LABOR FORCE	6 463	888	1 421	1 200	1 104	977	558	298	17	$9 167	$10 550	2 992	$14 602
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS	946	87	77	170	201	216	111	70	14	$13 372	$14 533	562	$16 057
EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS	447	36	26	85	95	104	51	44	6	$13 972	$14 889	302	$16 222
OFFICIALS AND ADMINISTRATORS, PUBLIC ADMINISTRATION	84	-	1	15	21	30	6	5	6	$15 485	$17 964	77	$15 512
ADMINISTRATORS, EDUCATION AND RELATED FIELDS	25	2	-	-	18	-	3	2	-	$11 167	$12 501	23	$11 056
MANAGERS, MEDICINE AND HEALTH	13	-	-	-	5	3	-	5	-	$17 033	$20 774	13	$17 033
OTHER SPECIFIED MANAGERS	33	-	-	-	4	3	20	6	-	$21 433	$23 770	26	$21 525
MANAGERS AND ADMINISTRATORS, N.E.C., SALARIED	160	16	11	23	23	54	15	18	-	$15 378	$14 844	118	$16 724
MANUFACTURING	30	-	5	-	13	12	-	-	-	$14 016	$12 680	30	$14 016
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	4	-	1	3	-	-	-	-	-	$8 667	$7 555	3	$9 000
WHOLESALE AND RETAIL TRADE	34	2	-	7	-	17	-	8	-	$16 534	$17 417	25	$17 869
ALL OTHER INDUSTRIES	92	14	5	13	10	25	15	10	-	$15 528	$14 916	60	$18 405
MANAGERS AND ADMINISTRATORS, N.E.C., SELF-EMPLOYED	24	11	3	-	-	6	4	-	-	$4 333	$8 058	10	$4 667
CONSTRUCTION	6	6	-	-	-	-	-	-	-	$1 500	$1 605	-	-
MANUFACTURING	3	3	-	-	-	-	-	-	-	$1,000-	$-438	3	$1,000-
WHOLESALE AND RETAIL TRADE	3	-	3	-	-	-	-	-	-	$4 500	$4 005	3	$4 500
ALL OTHER INDUSTRIES	12	2	-	-	-	6	4	-	-	$17 609	$14 422	4	$20 453
MANAGEMENT RELATED OCCUPATIONS	108	7	11	47	24	8	3	8	-	$9 421	$11 213	35	$15 664
ACCOUNTANTS AND AUDITORS	4	-	-	-	4	-	-	-	-	$11 000	$10 130	-	-
BUYERS AND PURCHASING AGENTS	3	-	-	-	-	-	3	-	-	$20 453	$21 005	3	$20 453
PROFESSIONAL SPECIALTY OCCUPATIONS	499	51	51	85	106	112	60	26	8	$12 835	$14 214	260	$15 814
ENGINEERS, ARCHITECTS, AND SURVEYORS	58	-	-	11	16	6	15	10	-	$16 399	$17 642	41	$20 990
ARCHITECTS	8	-	-	-	8	-	-	-	-	$12 272	$14 005	8	$12 272
ENGINEERS	48	-	-	11	8	4	15	10	-	$20 200	$18 234	31	$22 469
ELECTRICAL AND ELECTRONIC ENGINEERS	26	-	-	9	8	-	9	-	-	$11 000	$13 535	9	$20 453
MECHANICAL ENGINEERS	12	-	-	-	-	-	6	6	-	$25 000	$26 255	12	$25 000
OTHER ENGINEERS	10	-	-	2	-	4	-	4	-	$18 231	$20 825	10	$18 231
SURVEYORS AND MAPPING SCIENTISTS	2	-	-	-	-	2	-	-	-	$15 439	$18 005	2	$15 439
MATHEMATICAL AND COMPUTER SCIENTISTS	20	-	-	-	1	7	5	7	-	$21 568	$23 369	20	$21 568
COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS	13	-	-	-	1	7	5	-	-	$18 348	$19 257	13	$18 348
NATURAL SCIENTISTS	43	-	2	2	12	27	-	-	-	$15 153	$15 497	14	$12 000
HEALTH DIAGNOSING OCCUPATIONS	18	-	-	-	7	-	3	-	8	$23 020	$53 460	11	$75,000+
PHYSICIANS	11	-	-	-	-	-	3	-	8	$75,000+	$80 092	11	$75,000+
DENTISTS	7	-	-	-	7	-	-	-	-	$11 000	$11 610	-	-
OTHER HEALTH DIAGNOSING PRACTITIONERS	-	-	-	-	-	-	-	-	-	-	-	-	-
HEALTH ASSESSMENT AND TREATING OCCUPATIONS	12	6	-	2	4	-	-	-	-	$5 000	$6 772	12	$5 000
REGISTERED NURSES	6	6	-	-	-	-	-	-	-	$1 500	$1 205	6	$1 500
PHARMACISTS	-	-	-	-	-	-	-	-	-	-	-	-	-
THERAPISTS	6	-	-	2	4	-	-	-	-	$12 119	$12 338	6	$12 119
TEACHERS, LIBRARIANS, AND COUNSELORS	191	28	25	46	24	33	28	7	-	$9 781	$11 616	65	$16 021
TEACHERS, POSTSECONDARY	37	16	-	5	-	2	7	7	-	$9 000	$12 146	9	$20 298
TEACHERS, ELEMENTARY AND PRE-KINDERGARTEN	65	-	22	14	6	16	7	-	-	$7 500	$10 799	12	$15 267
TEACHERS, SECONDARY	30	2	-	16	3	-	9	-	-	$9 625	$12 193	15	$20 128
SOCIAL SCIENTISTS AND URBAN PLANNERS	10	2	-	8	-	-	-	-	-	$6 750	$6 565	-	-
SOCIAL AND RECREATION WORKERS	88	6	23	14	27	18	-	-	-	$10 118	$9 484	51	$11 941
RELIGIOUS WORKERS	5	-	-	2	-	3	-	-	-	$15 123	$11 843	5	$15 123
LAWYERS AND JUDGES	7	-	-	-	3	-	2	2	-	$20 878	$18 719	7	$20 878
WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES	47	9	1	-	12	18	7	-	-	$15 211	$12 405	34	$16 004
TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS	773	122	127	98	116	145	119	43	3	$11 612	$12 165	396	$16 306
TECHNICIANS AND RELATED SUPPORT OCCUPATIONS	130	-	19	14	26	39	19	10	3	$15 486	$15 911	91	$16 665
HEALTH TECHNOLOGISTS AND TECHNICIANS	3	-	3	-	-	-	-	-	-	$5 500	$5 205	-	-
LICENSED PRACTICAL NURSES	-	-	-	-	-	-	-	-	-	-	-	-	-
ENGINEERING AND SCIENCE TECHNICIANS	70	-	13	8	16	19	11	3	-	$14 419	$13 938	47	$16 582
ELECTRICAL AND ELECTRONIC TECHNICIANS	9	-	-	4	-	-	2	3	-	$20 942	$21 787	5	$40 255
DRAFTING AND SURVEYING TECHNICIANS	21	-	2	-	6	4	9	-	-	$17 728	$15 262	17	$20 041
TECHNICIANS, EXCEPT HEALTH, ENGINEERING, AND SCIENCE	57	-	3	6	10	20	8	7	3	$16 757	$18 898	44	$16 764
AIRPLANE PILOTS AND NAVIGATORS	7	-	-	-	-	-	-	7	-	$25 462	$25 005	7	$25 462
COMPUTER PROGRAMMERS	21	-	-	-	-	13	8	-	-	$18 443	$20 885	21	$18 443
SALES OCCUPATIONS	188	36	20	26	35	13	33	25	-	$11 091	$12 963	60	$13 701
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS	57	8	-	-	20	-	24	5	-	$20 044	$16 399	24	$11 143
SELF-EMPLOYED	14	8	-	-	6	-	-	-	-	$1,000-	$5 235	10	$12 077
SALES REPRESENTATIVES, FINANCE AND BUSINESS SERVICES	22	-	-	2	13	-	-	7	-	$12 440	$17 977	7	$30 879
SALES REPRESENTATIVES, COMMODITIES, EXCEPT RETAIL	21	8	-	-	-	6	-	7	-	$16 565	$14 443	7	$25 462
SALES WORKERS, RETAIL AND PERSONAL SERVICES	88	20	20	24	2	7	9	6	-	$8 095	$9 130	22	$15 962
CASHIERS	19	11	8	-	-	-	-	-	-	$1 750	$1 439	-	-
SALES RELATED OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 222. OCCUPATION OF THE EXPERIENCED CIVILIAN LABOR FORCE BY EARNINGS IN 1979, LABOR FORCE STATUS IN 1979, SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

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MINNESOTA

	PERSONS WITH EARNINGS IN 1979											WORKED YEAR ROUND FULL TIME IN 1979	
	16 YEARS AND OVER	$1 TO $1,999 OR LOSS	$2,000 TO $5,999	$6,000 TO $9,999	$10,000 TO $14,999	$15,000 TO $19,999	$20,000 TO $24,999	$25,000 TO $49,999	$50,000 OR MORE	MEDIAN EARNINGS	MEAN EARNINGS	TOTAL	MEDIAN EARNINGS
AMERICAN INDIAN, ESKIMO, ALEUT													
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL	455	86	88	58	55	93	67	8	-	$9 640	$10 766	245	$16 412
SUPERVISORS, ADMINISTRATIVE SUPPORT OCCUPATIONS	35	-	2	8	18	-	7	-	-	$11 875	$12 879	24	$13 099
COMPUTER EQUIPMENT OPERATORS	5	-	-	-	-	-	5	-	-	$20 453	$23 005	5	$20 453
SECRETARIES, STENOGRAPHERS, AND TYPISTS	1	-	1	-	-	-	-	-	-	$3 500	$3 575	-	-
SECRETARIES	1	-	1	-	-	-	-	-	-	$3 500	$3 575	-	-
RECEPTIONISTS	-	-	-	-	-	-	-	-	-	-	-	-	-
FILE CLERKS	-	-	-	-	-	-	-	-	-	-	-	-	-
FINANCIAL RECORDS PROCESSING OCCUPATIONS	35	-	12	2	8	13	-	-	-	$10 875	$10 377	19	$15 209
BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS	19	-	6	-	-	13	-	-	-	$15 209	$12 008	19	$15 209
TELEPHONE OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-	-
MAIL AND MESSAGE DISTRIBUTING OCCUPATIONS	60	11	-	2	9	11	27	-	-	$18 303	$16 335	47	$20 098
TRAFFIC, SHIPPING, STOCK AND INVENTORY CLERKS	136	25	20	6	7	50	20	8	-	$15 589	$12 411	95	$16 985
INSURANCE ADJUSTERS, EXAMINERS, AND INVESTIGATORS	-	-	-	-	-	-	-	-	-	-	-	-	-
BANK TELLERS	-	-	-	-	-	-	-	-	-	-	-	-	-
DATA-ENTRY KEYERS	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER ADMINISTRATIVE SUPPORT OCCUPATIONS	183	50	53	40	13	19	8	-	-	$5 500	$7 092	55	$13 431
SERVICE OCCUPATIONS	980	236	290	187	108	117	33	9	-	$5 629	$7 178	423	$11 468
PRIVATE HOUSEHOLD OCCUPATIONS	8	8	-	-	-	-	-	-	-	$1 500	$1 755	-	-
PROTECTIVE SERVICE OCCUPATIONS	158	8	42	48	27	13	20	-	-	$8 000	$9 377	85	$11 938
FIREFIGHTING OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-	-
POLICE AND DETECTIVES, PUBLIC SERVICE	17	-	-	2	7	8	-	-	-	$11 857	$12 673	15	$15 044
GUARDS	106	8	42	35	9	5	7	-	-	$6 333	$7 274	35	$10 429
OTHER PROTECTIVE SERVICE OCCUPATIONS	35	-	-	11	11	-	13	-	-	$13 223	$14 148	35	$13 223
SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD	814	220	248	139	81	104	13	9	-	$5 291	$6 805	338	$11 226
FOOD PREPARATION AND SERVICE OCCUPATIONS	228	96	87	26	9	10	-	-	-	$2 600	$3 793	49	$8 625
WAITERS AND FOOD COUNTER WORKERS	2	-	2	-	-	-	-	-	-	$3 500	$3 005	-	-
COOKS	152	54	61	18	9	10	-	-	-	$3 040	$4 370	45	$8 833
HEALTH SERVICE OCCUPATIONS	92	31	30	10	14	-	7	-	-	$5 464	$6 272	23	$12 542
NURSING AIDES, ORDERLIES, AND ATTENDANTS	61	9	26	8	11	-	7	-	-	$5 827	$7 907	18	$13 701
CLEANING AND BUILDING SERVICE OCCUPATIONS EXC. HOUSEHOLD	426	79	112	91	51	84	-	9	-	$6 898	$8 319	247	$11 278
PERSONAL SERVICE OCCUPATIONS	68	14	19	12	7	10	6	-	-	$7 000	$8 137	19	$11 400
BARBERS, HAIRDRESSERS AND COSMETOLOGISTS	14	-	-	8	-	-	6	-	-	$9 667	$14 536	8	$20 275
FARMING, FORESTRY, AND FISHING OCCUPATIONS	269	68	94	72	18	12	5	-	-	$4 184	$5 391	77	$8 333
FARM OPERATORS AND MANAGERS	23	13	5	4	1	-	-	-	-	$1 833	$2 941	11	$1 750
FARM OCCUPATIONS, EXCEPT MANAGERIAL	55	22	17	14	-	-	2	-	-	$3 278	$4 135	16	$8 000
RELATED AGRICULTURAL OCCUPATIONS	51	2	17	19	3	10	-	-	-	$7 300	$8 045	27	$9 857
FORESTRY AND FISHING OCCUPATIONS	140	31	55	35	14	2	3	-	-	$4 143	$5 321	23	$5 250
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS	1 245	98	283	260	211	184	141	68	-	$9 745	$11 180	620	$13 785
MECHANICS AND REPAIRERS	288	20	36	41	63	56	48	24	-	$13 189	$13 430	212	$15 570
AUTOMOBILE MECHANICS, INCLUDING BODY	86	5	19	17	23	4	4	14	-	$10 308	$11 919	60	$10 923
AIRCRAFT MECHANICS	1	-	-	-	-	1	-	-	-	$15 439	$16 505	1	$15 439
HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS	18	-	-	-	8	4	6	-	-	$15 917	$16 083	14	$11 750
OTHER MECHANICS AND REPAIRERS	183	15	17	24	32	47	38	10	-	$15 239	$13 863	137	$16 595
CONSTRUCTION TRADES	656	50	207	149	81	73	70	26	-	$8 165	$9 976	213	$14 771
CARPENTERS	306	29	108	101	38	17	7	6	-	$6 640	$7 549	90	$8 667
ELECTRICIANS	18	4	9	-	2	3	-	-	-	$4 333	$7 194	2	$12 272
PAINTERS, CONSTRUCTION AND MAINTENANCE	35	3	23	2	-	6	-	1	-	$5 150	$7 073	8	$15 267
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	51	-	14	2	-	5	21	9	-	$20 612	$16 661	17	$20 179
OTHER CONSTRUCTION TRADES	246	14	53	44	41	42	42	10	-	$12 079	$12 225	96	$19 150
EXTRACTIVE OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-	-
PRECISION PRODUCTION OCCUPATIONS	301	28	40	70	67	55	23	18	-	$10 735	$11 650	195	$12 033
SUPERVISORS, PRODUCTION OCCUPATIONS	58	6	4	15	11	5	12	5	-	$11 143	$13 031	43	$11 857
MANUFACTURING	22	-	4	-	-	3	10	5	-	$21 300	$19 428	13	$20 291
PRECISION METALWORKING OCCUPATIONS	121	5	8	34	25	27	9	13	-	$11 500	$13 014	77	$11 533
TOOL AND DIE MAKERS	6	-	-	-	-	-	-	6	-	$25 462	$26 245	6	$25 462
MACHINISTS	88	-	6	34	20	19	9	-	-	$10 615	$11 772	58	$10 308
SHEET METAL WORKERS	17	5	-	-	5	-	-	7	-	$11 400	$14 239	5	$25 130
OTHER PRECISION METAL WORKERS	10	-	2	-	-	8	-	-	-	$15 306	$13 925	8	$15 439
PRECISION TEXTILE, APPAREL, AND FURNISHINGS MACHINE WORKERS	22	1	-	16	5	-	-	-	-	$8 909	$8 321	19	$9 000
PLANT AND SYSTEM OPERATORS	31	-	8	5	7	9	2	-	-	$11 667	$11 757	23	$14 528
OTHER PRECISION PRODUCTION OCCUPATIONS	69	16	20	-	19	14	-	-	-	$5 893	$9 110	33	$13 262

TABLE 222. OCCUPATION OF THE EXPERIENCED CIVILIAN LABOR FORCE BY EARNINGS IN 1979, LABOR FORCE STATUS IN 1979, 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]

MINNESOTA

	PERSONS WITH EARNINGS IN 1979											WORKED YEAR ROUND FULL TIME IN 1979	
	16 YEARS AND OVER	$1 TO $1,999 OR LOSS	$2,000 TO $5,999	$6,000 TO $9,999	$10,000 TO $14,999	$15,000 TO $19,999	$20,000 TO $24,999	$25,000 TO $49,999	$50,000 OR MORE	MEDIAN EARNINGS	MEAN EARNINGS	TOTAL	MEDIAN EARNINGS
AMERICAN INDIAN, ESKIMO, ALEUT													
OPERATORS, FABRICATORS, AND LABORERS	2 242	277	548	407	450	303	149	108	-	$9 035	$10 073	908	$14 571
MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS	794	98	188	110	177	141	50	30	-	$10 026	$10 402	357	$15 422
MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION	473	72	95	63	115	82	38	8	-	$10 310	$9 981	229	$14 495
METALWORKING AND PLASTIC WORKING MACHINE OPERATORS	96	17	28	6	12	31	2	-	-	$8 500	$9 012	45	$15 601
PRINTING MACHINE OPERATORS	21	-	6	-	8	-	5	2	-	$13 321	$13 195	13	$20 266
TEXTILE, APPAREL, AND FURNISHINGS MACHINE OPERATORS	17	-	2	8	7	-	-	-	-	$9 625	$8 651	-	-
TEXTILE MACHINE OPERATORS	15	-	-	8	7	-	-	-	-	$9 875	$9 377	-	-
TEXTILE SEWING MACHINE OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-	-
LAUNDERING AND DRYCLEANING MACHINE OPERATORS	2	-	2	-	-	-	-	-	-	$3 500	$3 205	-	-
OTHER SPECIFIED MACHINE OPERATORS	143	31	21	12	38	29	6	6	-	$11 500	$10 310	60	$14 441
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS	196	24	38	37	50	22	25	-	-	$9 926	$9 986	111	$12 322
OCCUPATION:													
MISCELLANEOUS MACHINE OPERATORS, N.E.C.	47	4	5	2	25	11	-	-	-	$11 389	$10 554	22	$11 375
MACHINE OPERATORS, NOT SPECIFIED	149	20	33	35	25	11	25	-	-	$8 920	$9 807	89	$13 023
INDUSTRY:													
MANUFACTURING	159	20	25	24	48	17	25	-	-	$10 840	$10 521	102	$12 768
NONDURABLE GOODS	30	-	6	5	8	-	11	-	-	$12 795	$13 092	24	$14 346
FOOD AND KINDRED PRODUCTS	5	-	-	5	-	-	-	-	-	$7 000	$6 505	5	$7 000
TEXTILE MILL AND FINISHED TEXTILE PRODUCTS	-	-	-	-	-	-	-	-	-	-	-	-	-
PAPER AND ALLIED PRODUCTS	11	-	-	-	-	-	11	-	-	$20 453	$23 278	11	$20 453
OTHER NONDURABLE GOODS	14	-	6	-	8	-	-	-	-	$11 000	$7 442	8	$12 165
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG	129	20	19	19	40	17	14	-	-	$10 565	$9 923	78	$12 000
METAL INDUSTRIES	19	-	-	-	13	6	-	-	-	$12 937	$13 047	17	$13 409
MACHINERY, INCLUDING ELECTRICAL	54	-	7	8	23	9	7	-	-	$11 500	$12 206	39	$11 563
TRANSPORTATION EQUIPMENT	26	20	-	6	-	-	-	-	-	$1,000-	$2 529	6	$9 000
OTHER DURABLE GOODS	30	-	12	5	4	2	7	-	-	$7 200	$10 245	16	$14 043
NONMANUFACTURING INDUSTRIES	37	4	13	13	2	5	-	-	-	$8 231	$7 688	9	$5 900
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	16	-	5	11	-	-	-	-	-	$8 545	$7 980	5	$5 500
WHOLESALE AND RETAIL TRADE	9	2	-	-	2	5	-	-	-	$15 072	$12 281	2	$12 272
ALL OTHER INDUSTRIES	12	2	8	2	-	-	-	-	-	$2 800	$3 855	2	$9 000
FABRICATORS, ASSEMBLERS, AND HAND WORKING OCCUPATIONS	287	20	80	46	53	59	7	22	-	$9 750	$11 285	116	$16 407
WELDERS AND CUTTERS	124	8	13	32	31	18	-	22	-	$11 000	$14 002	51	$17 532
ASSEMBLERS	152	12	56	14	22	41	7	-	-	$8 667	$9 618	65	$15 900
OTHER FABRICATORS AND HAND WORKING OCCUPATIONS	11	-	11	-	-	-	-	-	-	$4 313	$3 678	-	-
PRODUCTION INSPECTORS, TESTERS, SAMPLERS, AND WEIGHERS	34	6	13	1	9	-	5	-	-	$5 778	$8 801	12	$11 667
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	666	65	84	184	117	89	73	54	-	$10 000	$11 684	331	$13 784
MOTOR VEHICLE OPERATORS	505	49	72	156	90	46	57	35	-	$9 550	$11 101	247	$12 887
TRUCK DRIVERS AND DRIVER-SALES WORKERS	366	29	54	122	45	29	57	30	-	$9 532	$11 682	159	$13 937
BUS DRIVERS	62	-	11	8	21	17	-	5	-	$13 381	$12 675	36	$15 596
RAIL AND WATER TRANSPORTATION OCCUPATIONS	35	7	-	-	-	19	5	4	-	$16 898	$15 856	22	$16 579
MATERIAL MOVING EQUIPMENT OPERATORS	126	9	12	28	27	24	11	15	-	$12 868	$12 864	62	$14 322
EXCAVATING, GRADING, AND DOZER MACHINE OPERATORS	16	-	-	7	-	7	-	2	-	$15 342	$13 490	5	$18 647
HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS	782	114	276	113	156	73	26	24	-	$6 029	$8 367	220	$13 580
CONSTRUCTION LABORERS	240	27	59	58	61	28	-	7	-	$7 744	$8 759	42	$12 637
FREIGHT, STOCK, AND MATERIAL HANDLERS	142	21	41	16	24	25	10	5	-	$9 000	$9 572	56	$15 509
GARAGE AND SERVICE STATION RELATED OCCUPATIONS	20	2	15	3	-	-	-	-	-	$2 727	$3 200	3	$7 000
HAND PACKERS AND PACKAGERS	22	16	6	-	-	-	-	-	-	$1 375	$1 950	-	-
OTHER SPECIFIED HANDLERS, EQUIPMENT CLEANERS, AND HELPERS	65	28	17	2	13	5	-	-	-	$5 167	$5 487	22	$11 667
LABORERS, EXCEPT CONSTRUCTION	293	20	138	34	58	15	16	12	-	$5 589	$8 934	97	$13 710
MANUFACTURING	87	2	41	2	30	-	2	10	-	$8 500	$11 324	27	$14 442
NONDURABLE GOODS	57	-	33	-	12	-	2	10	-	$4 804	$12 740	24	$17 500
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG	30	2	8	2	18	-	-	-	-	$10 462	$8 634	3	$11 000
METAL INDUSTRIES	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMANUFACTURING INDUSTRIES	206	18	97	32	28	15	14	2	-	$5 455	$7 925	70	$13 245
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	41	-	-	8	17	2	14	-	-	$12 880	$15 391	27	$16 053
WHOLESALE AND RETAIL TRADE	38	1	18	8	6	5	-	-	-	$5 500	$7 365	19	$12 508
ALL OTHER INDUSTRIES	127	17	79	16	5	8	-	2	-	$4 125	$5 682	24	$12 450
EXPERIENCED UNEMPLOYED NOT CLASSIFIED BY OCCUPATION	8	-	2	6	-	-	-	-	-	$7 000	$5 720	6	$7 500

TABLE 222. OCCUPATION OF THE EXPERIENCED CIVILIAN LABOR FORCE BY EARNINGS IN 1979, LABOR FORCE STATUS IN 1979, 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]

MINNESOTA

	PERSONS WITH EARNINGS IN 1979											WORKED YEAR ROUND FULL TIME IN 1979	
	16 YEARS AND OVER	$1 TO $1,999 OR LOSS	$2,000 TO $5,999	$6,000 TO $9,999	$10,000 TO $14,999	$15,000 TO $19,999	$20,000 TO $24,999	$25,000 TO $49,999	$50,000 OR MORE	MEDIAN EARNINGS	MEAN EARNINGS	TOTAL	MEDIAN EARNINGS
AMERICAN INDIAN, ESKIMO, ALEUT													
FEMALE EXPERIENCED CIVILIAN LABOR FORCE	5 062	961	1 643	1 427	733	203	56	33	6	$5 797	$6 440	1 975	$9 232
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS	689	72	166	183	154	83	23	6	2	$8 200	$9 012	314	$10 880
EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS	223	23	34	75	45	21	17	6	2	$9 047	$10 670	142	$11 000
OFFICIALS AND ADMINISTRATORS, PUBLIC ADMINISTRATION	18	-	2	2	7	7	-	-	-	$11 429	$12 752	14	$13 500
ADMINISTRATORS, EDUCATION AND RELATED FIELDS	9	-	-	7	2	-	-	-	-	$9 000	$9 385	2	$12 272
MANAGERS, MEDICINE AND HEALTH	22	-	2	12	2	-	-	6	-	$9 333	$14 010	10	$30 247
OTHER SPECIFIED MANAGERS	28	11	12	5	-	-	-	-	-	$2 500	$3 347	12	$4 000
MANAGERS AND ADMINISTRATORS, N.E.C., SALARIED	82	5	9	23	26	8	11	-	-	$10 615	$11 633	62	$12 164
MANUFACTURING	14	-	-	7	7	-	-	-	-	$11 000	$10 955	7	$12 272
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	-	-	-	-	-	-	-	-	-	-	-	-	-
WHOLESALE AND RETAIL TRADE	33	-	-	3	19	-	11	-	-	$12 185	$15 139	33	$12 185
ALL OTHER INDUSTRIES	35	5	9	13	-	8	-	-	-	$6 778	$8 599	22	$7 778
MANAGERS AND ADMINISTRATORS, N.E.C., SELF-EMPLOYED	19	2	7	8	-	-	-	-	2	$8 125	$12 155	12	$9 000
CONSTRUCTION	-	-	-	-	-	-	-	-	-	-	-	-	-
MANUFACTURING	-	-	-	-	-	-	-	-	-	-	-	-	-
WHOLESALE AND RETAIL TRADE	2	-	-	-	-	-	-	-	2	$61 359	$62 505	2	$61 359
ALL OTHER INDUSTRIES	17	2	7	8	-	-	-	-	-	$5 929	$6 231	10	$8 750
MANAGEMENT RELATED OCCUPATIONS	45	5	2	18	8	6	6	-	-	$9 500	$10 637	30	$9 400
ACCOUNTANTS AND AUDITORS	17	5	-	8	-	4	-	-	-	$6 875	$7 305	12	$7 500
BUYERS AND PURCHASING AGENTS	-	-	-	-	-	-	-	-	-	-	-	-	-
PROFESSIONAL SPECIALTY OCCUPATIONS	466	49	132	108	109	62	6	-	-	$7 576	$8 218	172	$10 769
ENGINEERS, ARCHITECTS, AND SURVEYORS	-	-	-	-	-	-	-	-	-	-	-	-	-
ARCHITECTS	-	-	-	-	-	-	-	-	-	-	-	-	-
ENGINEERS	-	-	-	-	-	-	-	-	-	-	-	-	-
ELECTRICAL AND ELECTRONIC ENGINEERS	-	-	-	-	-	-	-	-	-	-	-	-	-
MECHANICAL ENGINEERS	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER ENGINEERS	-	-	-	-	-	-	-	-	-	-	-	-	-
SURVEYORS AND MAPPING SCIENTISTS	-	-	-	-	-	-	-	-	-	-	-	-	-
MATHEMATICAL AND COMPUTER SCIENTISTS	2	-	2	-	-	-	-	-	-	$4 500	$4 005	-	-
COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS	-	-	-	-	-	-	-	-	-	-	-	-	-
NATURAL SCIENTISTS	2	-	-	-	2	-	-	-	-	$11 000	$11 885	-	-
HEALTH DIAGNOSING OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-	-
PHYSICIANS	-	-	-	-	-	-	-	-	-	-	-	-	-
DENTISTS	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER HEALTH DIAGNOSING PRACTITIONERS	-	-	-	-	-	-	-	-	-	-	-	-	-
HEALTH ASSESSMENT AND TREATING OCCUPATIONS	52	5	8	12	14	13	-	-	-	$10 250	$9 554	37	$11 625
REGISTERED NURSES	43	5	8	5	14	11	-	-	-	$10 875	$9 530	31	$11 875
PHARMACISTS	2	-	-	-	-	2	-	-	-	$15 439	$15 005	2	$15 439
THERAPISTS	7	-	-	7	-	-	-	-	-	$8 600	$8 148	4	$8 000
TEACHERS, LIBRARIANS, AND COUNSELORS	244	31	63	45	64	35	6	-	-	$7 697	$8 588	64	$10 556
TEACHERS, POSTSECONDARY	11	-	-	3	-	2	6	-	-	$20 062	$15 670	8	$20 275
TEACHERS, ELEMENTARY AND PRE-KINDERGARTEN	129	24	43	29	16	17	-	-	-	$5 750	$7 041	18	$5 500
TEACHERS, SECONDARY	48	7	16	10	15	-	-	-	-	$6 500	$6 916	10	$8 333
SOCIAL SCIENTISTS AND URBAN PLANNERS	16	5	-	2	7	2	-	-	-	$12 212	$9 456	9	$12 179
SOCIAL AND RECREATION WORKERS	100	2	33	33	22	10	-	-	-	$7 765	$8 247	58	$7 500
RELIGIOUS WORKERS	6	-	6	-	-	-	-	-	-	$3 500	$3 505	-	-
LAWYERS AND JUDGES	4	-	-	2	-	2	-	-	-	$11 500	$12 040	2	$15 439
WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES	40	6	20	14	-	-	-	-	-	$3 700	$4 011	2	$9 000
TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS	1 782	287	434	658	329	56	16	2	-	$7 118	$6 936	789	$9 541
TECHNICIANS AND RELATED SUPPORT OCCUPATIONS	116	5	34	37	38	-	2	-	-	$8 435	$8 053	61	$10 750
HEALTH TECHNOLOGISTS AND TECHNICIANS	81	-	34	21	24	-	2	-	-	$6 929	$8 005	31	$12 041
LICENSED PRACTICAL NURSES	57	-	29	8	20	-	-	-	-	$5 958	$7 794	22	$12 100
ENGINEERING AND SCIENCE TECHNICIANS	-	-	-	-	-	-	-	-	-	-	-	-	-
ELECTRICAL AND ELECTRONIC TECHNICIANS	-	-	-	-	-	-	-	-	-	-	-	-	-
DRAFTING AND SURVEYING TECHNICIANS	-	-	-	-	-	-	-	-	-	-	-	-	-
TECHNICIANS, EXCEPT HEALTH, ENGINEERING, AND SCIENCE	35	5	-	16	14	-	-	-	-	$9 563	$8 165	30	$9 875
AIRPLANE PILOTS AND NAVIGATORS	-	-	-	-	-	-	-	-	-	-	-	-	-
COMPUTER PROGRAMMERS	-	-	-	-	-	-	-	-	-	-	-	-	-
SALES OCCUPATIONS	265	86	83	51	29	9	7	-	-	$2 969	$5 196	66	$9 429
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS	26	-	12	12	2	-	-	-	-	$6 200	$7 007	16	$6 857
SELF-EMPLOYED	-	-	-	-	-	-	-	-	-	-	-	-	-
SALES REPRESENTATIVES, FINANCE AND BUSINESS SERVICES	6	-	-	2	4	-	-	-	-	$10 500	$9 338	-	-
SALES REPRESENTATIVES, COMMODITIES, EXCEPT RETAIL	2	2	-	-	-	-	-	-	-	$1,000-	$305	-	-
SALES WORKERS, RETAIL AND PERSONAL SERVICES	231	84	71	37	23	9	7	-	-	$2 656	$4 927	50	$10 800
CASHIERS	128	36	37	28	14	6	7	-	-	$3 714	$6 085	50	$10 800
SALES RELATED OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 222. OCCUPATION OF THE EXPERIENCED CIVILIAN LABOR FORCE BY EARNINGS IN 1979, LABOR FORCE STATUS IN 1979, SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

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MINNESOTA

	PERSONS WITH EARNINGS IN 1979											WORKED YEAR ROUND FULL TIME IN 1979	
	16 YEARS AND OVER	$1 TO $1,999 OR LOSS	$2,000 TO $5,999	$6,000 TO $9,999	$10,000 TO $14,999	$15,000 TO $19,999	$20,000 TO $24,999	$25,000 TO $49,999	$50,000 OR MORE	MEDIAN EARNINGS	MEAN EARNINGS	TOTAL	MEDIAN EARNINGS
AMERICAN INDIAN, ESKIMO, ALEUT													
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL	1 401	196	317	570	262	47	7	2	-	$7 453	$7 173	662	$9 447
SUPERVISORS, ADMINISTRATIVE SUPPORT *OCCUPATIONS*	66	-	-	38	21	7	-	-	-	$9 667	$10 357	46	$11 667
COMPUTER EQUIPMENT OPERATORS	13	8	-	-	5	-	-	-	-	$1 813	$4 651	5	$11 000
SECRETARIES, STENOGRAPHERS, AND TYPISTS	522	44	107	263	98	10	-	-	-	$7 507	$7 281	245	$8 949
SECRETARIES	404	30	82	213	69	10	-	-	-	$7 429	$7 257	188	$8 958
RECEPTIONISTS	63	9	27	27	-	-	-	-	-	$5 100	$5 450	32	$6 545
FILE CLERKS	12	-	7	5	-	-	-	-	-	$2 857	$4 313	5	$7 000
FINANCIAL RECORDS PROCESSING *OCCUPATIONS*	202	23	52	79	48	-	-	-	-	$8 107	$7 375	111	$9 706
BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS	155	23	35	69	28	-	-	-	-	$7 857	$7 096	81	$9 419
TELEPHONE OPERATORS	12	5	-	7	-	-	-	-	-	$6 286	$4 172	-	-
MAIL AND MESSAGE DISTRIBUTING OCCUPATIONS	31	-	3	9	6	13	-	-	-	$13 526	$11 995	21	$15 144
TRAFFIC, SHIPPING, STOCK AND INVENTORY CLERKS	30	-	7	5	7	4	7	-	-	$10 857	$13 492	23	$11 857
INSURANCE ADJUSTERS, EXAMINERS, AND INVESTIGATORS	6	-	-	6	-	-	-	-	-	$9 000	$8 845	6	$9 000
BANK TELLERS	15	6	-	9	-	-	-	-	-	$6 333	$4 651	2	$7 000
DATA-ENTRY KEYERS	43	9	13	13	8	-	-	-	-	$4 917	$6 018	15	$10 500
OTHER ADMINISTRATIVE SUPPORT OCCUPATIONS	386	92	101	109	69	13	-	2	-	$6 000	$6 247	151	$9 609
SERVICE OCCUPATIONS	1 479	442	629	290	91	15	-	12	-	$3 905	$4 319	453	$7 000
PRIVATE HOUSEHOLD OCCUPATIONS	67	54	13	-	-	-	-	-	-	$1,000-	$1 063	2	$2 500
PROTECTIVE SERVICE OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-	-
FIREFIGHTING OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-	-
POLICE AND DETECTIVES, PUBLIC *SERVICE*	-	-	-	-	-	-	-	-	-	-	-	-	-
GUARDS	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER PROTECTIVE SERVICE OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-	-
SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD	1 412	388	616	290	91	15	-	12	-	$4 086	$4 473	451	$7 018
FOOD PREPARATION AND SERVICE OCCUPATIONS	548	152	266	88	22	8	-	12	-	$4 098	$4 555	186	$5 944
WAITERS AND FOOD COUNTER WORKERS	225	74	124	15	-	-	-	12	-	$3 881	$4 369	43	$4 711
COOKS	162	43	55	44	12	8	-	-	-	$4 875	$5 263	87	$7 435
HEALTH SERVICE OCCUPATIONS	357	103	96	105	51	2	-	-	-	$5 461	$5 180	149	$8 310
NURSING AIDES, ORDERLIES, AND ATTENDANTS	282	95	57	83	45	2	-	-	-	$5 267	$4 977	107	$8 423
CLEANING AND BUILDING SERVICE OCCUPATIONS EXC. HOUSEHOLD	241	69	119	50	3	-	-	-	-	$3 245	$3 571	52	$6 522
PERSONAL SERVICE OCCUPATIONS	266	64	135	47	15	5	-	-	-	$3 852	$4 175	64	$6 636
BARBERS, HAIRDRESSERS AND COSMETOLOGISTS	40	3	17	20	-	-	-	-	-	$6 000	$4 639	6	$7 000
FARMING, FORESTRY, AND FISHING OCCUPATIONS	35	3	27	5	-	-	-	-	-	$4 300	$4 296	19	$4 500
FARM OPERATORS AND MANAGERS	5	3	2	-	-	-	-	-	-	$1,000-	$2 579	5	$1,000-
FARM OCCUPATIONS, EXCEPT MANAGERIAL	14	-	9	5	-	-	-	-	-	$4 600	$5 598	14	$4 600
RELATED AGRICULTURAL OCCUPATIONS	16	-	16	-	-	-	-	-	-	$3 833	$3 693	-	-
FORESTRY AND FISHING OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-	-
PRECISION PRODUCTION, CRAFT, AND *REPAIR OCCUPATIONS*	148	7	63	35	13	5	12	13	-	$6 471	$9 259	44	$10 333
MECHANICS AND REPAIRERS	14	2	-	-	-	-	7	5	-	$22 945	$21 548	12	$23 865
AUTOMOBILE MECHANICS, INCLUDING BODY	-	-	-	-	-	-	-	-	-	-	-	-	-
AIRCRAFT MECHANICS	-	-	-	-	-	-	-	-	-	-	-	-	-
HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS	7	-	-	-	-	-	7	-	-	$20 453	$20 005	7	$20 453
OTHER MECHANICS AND REPAIRERS	7	2	-	-	-	-	-	5	-	$30 472	$23 091	5	$30 879
CONSTRUCTION TRADES	10	-	3	7	-	-	-	-	-	$6 571	$5 691	3	$7 000
CARPENTERS	7	-	-	7	-	-	-	-	-	$7 000	$7 016	3	$7 000
ELECTRICIANS	-	-	-	-	-	-	-	-	-	-	-	-	-
PAINTERS, CONSTRUCTION AND MAINTENANCE	2	-	2	-	-	-	-	-	-	$2 500	$2 005	-	-
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER CONSTRUCTION TRADES	1	-	1	-	-	-	-	-	-	$3 500	$3 785	-	-
EXTRACTIVE OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-	-
PRECISION PRODUCTION OCCUPATIONS	124	5	60	28	13	5	5	8	-	$5 400	$8 159	29	$9 364
SUPERVISORS, PRODUCTION OCCUPATIONS	20	-	-	2	13	-	5	-	-	$12 571	$14 827	13	$11 500
MANUFACTURING	8	-	-	2	6	-	-	-	-	$10 667	$10 623	8	$10 667
PRECISION METALWORKING OCCUPATIONS	6	-	-	1	-	5	-	-	-	$15 331	$13 947	-	-
TOOL AND DIE MAKERS	-	-	-	-	-	-	-	-	-	-	-	-	-
MACHINISTS	5	-	-	-	-	5	-	-	-	$15 439	$15 005	-	-
SHEET METAL WORKERS	1	-	-	1	-	-	-	-	-	$9 000	$8 655	-	-
OTHER PRECISION METAL WORKERS	-	-	-	-	-	-	-	-	-	-	-	-	-
PRECISION TEXTILE, APPAREL, AND *FURNISHINGS MACHINE WORKERS*	46	4	26	16	-	-	-	-	-	$4 500	$4 857	10	$8 000
PLANT AND SYSTEM OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER PRECISION PRODUCTION *OCCUPATIONS*	52	1	34	9	-	-	-	8	-	$4 684	$7 849	6	$8 500

TABLE 222. OCCUPATION OF THE EXPERIENCED CIVILIAN LABOR FORCE BY EARNINGS IN 1979, LABOR FORCE STATUS IN 1979, 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]

MINNESOTA

	PERSONS WITH EARNINGS IN 1979											WORKED YEAR ROUND FULL TIME IN 1979	
	16 YEARS AND OVER	$1 TO $1,999 OR LOSS	$2,000 TO $5,999	$6,000 TO $9,999	$10,000 TO $14,999	$15,000 TO $19,999	$20,000 TO $24,999	$25,000 TO $49,999	$50,000 OR MORE	MEDIAN EARNINGS	MEAN EARNINGS	TOTAL	MEDIAN EARNINGS
AMERICAN INDIAN, ESKIMO, ALEUT													
OPERATORS, FABRICATORS, AND LABORERS	929	150	324	256	146	44	5	-	4	$5 864	$6 589	356	$9 908
MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS	686	87	248	190	125	32	-	-	4	$6 174	$6 902	294	$9 833
MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION	358	39	145	114	51	9	-	-	-	$5 896	$6 424	141	$9 083
METALWORKING AND PLASTIC WORKING MACHINE OPERATORS	46	-	12	34	-	-	-	-	-	$8 083	$7 917	32	$8 667
PRINTING MACHINE OPERATORS	30	-	19	6	5	-	-	-	-	$3 882	$5 782	5	$11 000
TEXTILE, APPAREL, AND FURNISHINGS MACHINE OPERATORS	124	17	74	27	6	-	-	-	-	$5 033	$4 527	45	$5 674
TEXTILE MACHINE OPERATORS	5	3	-	-	2	-	-	-	-	$1,000-	$4 065	-	-
TEXTILE SEWING MACHINE OPERATORS	59	3	56	-	-	-	-	-	-	$3 382	$3 454	14	$5 125
LAUNDERING AND DRYCLEANING MACHINE OPERATORS	50	11	12	27	-	-	-	-	-	$6 200	$5 261	25	$6 625
OTHER SPECIFIED MACHINE OPERATORS	48	20	9	16	3	-	-	-	-	$5 000	$4 925	8	$9 600
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS	110	2	31	31	37	9	-	-	-	$8 615	$8 767	51	$12 685
OCCUPATION: MISCELLANEOUS MACHINE OPERATORS, N.E.C.	23	-	5	11	-	7	-	-	-	$8 714	$9 348	7	$15 439
MACHINE OPERATORS, NOT SPECIFIED	87	2	26	20	37	2	-	-	-	$8 500	$8 614	44	$12 280
INDUSTRY: MANUFACTURING	87	2	17	22	37	9	-	-	-	$10 500	$9 611	51	$12 685
NONDURABLE GOODS	37	-	4	16	8	9	-	-	-	$9 571	$10 218	22	$13 980
FOOD AND KINDRED PRODUCTS	20	-	-	12	8	-	-	-	-	$9 429	$9 362	13	$12 087
TEXTILE MILL AND FINISHED TEXTILE PRODUCTS	-	-	-	-	-	-	-	-	-	-	-	-	-
PAPER AND ALLIED PRODUCTS	4	-	2	-	-	2	-	-	-	$9 500	$10 555	2	$15 439
OTHER NONDURABLE GOODS	13	-	2	4	-	7	-	-	-	$15 051	$11 432	7	$15 439
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG	50	2	13	6	29	-	-	-	-	$10 800	$9 162	29	$12 112
METAL INDUSTRIES	21	-	-	6	15	-	-	-	-	$12 020	$11 645	15	$12 156
MACHINERY, INCLUDING ELECTRICAL	9	2	7	-	-	-	-	-	-	$3 357	$2 661	-	-
TRANSPORTATION EQUIPMENT	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER DURABLE GOODS	20	-	6	-	14	-	-	-	-	$11 333	$9 481	14	$12 056
NONMANUFACTURING INDUSTRIES	23	-	14	9	-	-	-	-	-	$5 773	$5 575	-	-
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	-	-	-	-	-	-	-	-	-	-	-	-	-
WHOLESALE AND RETAIL TRADE	20	-	11	9	-	-	-	-	-	$5 909	$5 961	-	-
ALL OTHER INDUSTRIES	3	-	3	-	-	-	-	-	-	$3 500	$3 005	-	-
FABRICATORS, ASSEMBLERS, AND HAND WORKING OCCUPATIONS	258	25	85	70	70	8	-	-	-	$6 864	$7 032	121	$10 677
WELDERS AND CUTTERS	8	-	6	2	-	-	-	-	-	$2 667	$3 655	2	$9 000
ASSEMBLERS	249	25	78	68	70	8	-	-	-	$6 977	$7 157	119	$10 742
OTHER FABRICATORS AND HAND WORKING OCCUPATIONS	1	-	1	-	-	-	-	-	-	$3 500	$3 005	-	-
PRODUCTION INSPECTORS, TESTERS, SAMPLERS, AND WEIGHERS	70	23	18	6	4	15	-	-	4	$2 857	$8 863	32	$12 621
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	31	-	10	12	5	2	2	-	-	$8 917	$8 864	4	$20 000
MOTOR VEHICLE OPERATORS	27	-	10	12	5	-	-	-	-	$8 583	$7 399	-	-
TRUCK DRIVERS AND DRIVER-SALES WORKERS	14	-	2	12	-	-	-	-	-	$8 833	$8 405	-	-
BUS DRIVERS	8	-	3	-	5	-	-	-	-	$10 400	$7 605	-	-
RAIL AND WATER TRANSPORTATION OCCUPATIONS	2	-	-	-	-	2	-	-	-	$15 439	$17 505	2	$15 439
MATERIAL MOVING EQUIPMENT OPERATORS	2	-	-	-	-	-	2	-	-	$20 453	$20 005	2	$20 453
EXCAVATING, GRADING, AND DOZER MACHINE OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-	-
HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS	212	63	66	54	16	10	3	-	-	$4 531	$5 245	58	$10 000
CONSTRUCTION LABORERS	2	-	-	-	2	-	-	-	-	$12 272	$12 005	2	$12 272
FREIGHT, STOCK, AND MATERIAL HANDLERS	27	9	7	-	-	8	3	-	-	$4 643	$8 226	11	$17 488
GARAGE AND SERVICE STATION RELATED OCCUPATIONS	1	-	-	1	-	-	-	-	-	$9 000	$8 005	-	-
HAND PACKERS AND PACKAGERS	34	8	19	7	-	-	-	-	-	$4 000	$4 342	11	$3 917
OTHER SPECIFIED HANDLERS, EQUIPMENT CLEANERS, AND HELPERS	33	10	8	7	6	2	-	-	-	$2 813	$5 950	8	$13 416
LABORERS, EXCEPT CONSTRUCTION	115	36	32	39	8	-	-	-	-	$4 568	$4 467	26	$7 412
MANUFACTURING	84	25	31	28	-	-	-	-	-	$4 381	$3 954	6	$7 000
NONDURABLE GOODS	56	17	31	8	-	-	-	-	-	$4 095	$3 456	-	-
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG	28	8	-	20	-	-	-	-	-	$6 600	$4 949	6	$7 000
METAL INDUSTRIES	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMANUFACTURING INDUSTRIES	31	11	1	11	8	-	-	-	-	$6 636	$5 859	20	$7 636
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	2	-	-	-	2	-	-	-	-	$11 000	$10 005	2	$11 000
WHOLESALE AND RETAIL TRADE	11	5	-	-	6	-	-	-	-	$10 167	$5 970	6	$11 000
ALL OTHER INDUSTRIES	18	6	1	11	-	-	-	-	-	$6 364	$5 330	12	$6 909
EXPERIENCED UNEMPLOYED NOT CLASSIFIED BY OCCUPATION	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 222. OCCUPATION OF THE EXPERIENCED CIVILIAN LABOR FORCE BY EARNINGS IN 1979, LABOR FORCE STATUS IN 1979, 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]

MINNESOTA

	PERSONS WITH EARNINGS IN 1979											WORKED YEAR ROUND FULL TIME IN 1979	
	16 YEARS AND OVER	$1 TO $1,999 OR LOSS	$2,000 TO $5,999	$6,000 TO $9,999	$10,000 TO $14,999	$15,000 TO $19,999	$20,000 TO $24,999	$25,000 TO $49,999	$50,000 OR MORE	MEDIAN EARNINGS	MEAN EARNINGS	TOTAL	MEDIAN EARNINGS
ASIAN AND PACIFIC ISLANDER													
MALE EXPERIENCED CIVILIAN LABOR FORCE	6 093	653	907	913	1 030	937	642	815	196	$12 600	$15 427	3 268	$18 023
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS	2 274	71	209	229	275	320	406	595	169	$20 302	$22 959	1 489	$22 901
EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS	650	19	49	97	98	136	90	136	25	$16 845	$19 154	493	$19 858
OFFICIALS AND ADMINISTRATORS, PUBLIC ADMINISTRATION	-	-	-	-	-	-	-	-	-	-	-	-	-
ADMINISTRATORS, EDUCATION AND RELATED FIELDS	15	-	7	-	6	-	-	2	-	$12 125	$10 592	6	$12 272
MANAGERS, MEDICINE AND HEALTH	11	-	-	-	-	-	-	11	-	$25 462	$27 005	11	$25 462
OTHER SPECIFIED MANAGERS	48	8	-	-	13	5	-	17	5	$17 699	$25 074	29	$33 325
MANAGERS AND ADMINISTRATORS, N.E.C., SALARIED	309	5	15	64	43	39	46	84	13	$18 237	$21 198	234	$22 446
MANUFACTURING	98	-	-	6	6	2	31	46	7	$26 433	$30 806	98	$26 433
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	9	-	-	2	-	-	-	7	-	$25 304	$21 613	9	$25 304
WHOLESALE AND RETAIL TRADE	106	-	2	15	28	27	15	13	6	$16 075	$20 297	79	$18 219
ALL OTHER INDUSTRIES	96	5	13	41	9	10	-	18	-	$9 043	$12 347	48	$13 385
MANAGERS AND ADMINISTRATORS, N.E.C., SELF-EMPLOYED	26	-	5	2	6	5	8	-	-	$15 000	$13 382	20	$17 523
CONSTRUCTION	-	-	-	-	-	-	-	-	-	-	-	-	-
MANUFACTURING	5	-	-	-	-	5	-	-	-	$15 439	$16 235	5	$15 439
WHOLESALE AND RETAIL TRADE	21	-	5	2	6	-	8	-	-	$13 459	$12 703	15	$20 046
ALL OTHER INDUSTRIES	-	-	-	-	-	-	-	-	-	-	-	-	-
MANAGEMENT RELATED OCCUPATIONS	241	6	22	31	30	87	36	22	7	$16 227	$16 152	193	$17 495
ACCOUNTANTS AND AUDITORS	176	-	22	16	19	75	31	13	-	$16 368	$15 011	128	$17 946
BUYERS AND PURCHASING AGENTS	6	-	-	-	-	6	-	-	-	$15 439	$18 010	6	$15 439
PROFESSIONAL SPECIALTY OCCUPATIONS	1 624	52	160	132	177	184	316	459	144	$21 355	$24 482	996	$24 321
ENGINEERS, ARCHITECTS, AND SURVEYORS	453	5	-	11	35	38	162	202	-	$23 939	$23 657	374	$25 100
ARCHITECTS	11	-	-	-	6	5	-	-	-	$14 601	$13 369	11	$14 601
ENGINEERS	442	5	-	11	29	33	162	202	-	$24 163	$23 913	363	$25 289
ELECTRICAL AND ELECTRONIC ENGINEERS	131	-	-	11	-	9	46	65	-	$24 920	$24 472	117	$25 411
MECHANICAL ENGINEERS	87	-	-	-	25	10	40	12	-	$20 551	$19 640	45	$21 274
OTHER ENGINEERS	224	5	-	-	4	14	76	125	-	$26 055	$25 245	201	$26 633
SURVEYORS AND MAPPING SCIENTISTS	-	-	-	-	-	-	-	-	-	-	-	-	-
MATHEMATICAL AND COMPUTER SCIENTISTS	118	-	-	-	11	18	22	67	-	$25 241	$23 139	81	$25 029
COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS	83	-	-	-	11	18	22	32	-	$22 377	$21 700	54	$20 791
NATURAL SCIENTISTS	95	-	-	7	15	12	27	34	-	$22 004	$20 785	92	$22 275
HEALTH DIAGNOSING OCCUPATIONS	286	-	-	17	29	23	26	53	138	$48 464	$50 041	217	$48 774
PHYSICIANS	262	-	-	17	29	21	26	51	118	$46 161	$49 418	195	$45 848
DENTISTS	24	-	-	-	-	2	-	2	20	$61 670	$56 842	22	$62 634
OTHER HEALTH DIAGNOSING PRACTITIONERS	-	-	-	-	-	-	-	-	-	-	-	-	-
HEALTH ASSESSMENT AND TREATING OCCUPATIONS	13	-	6	-	-	1	-	-	6	$17 225	$64 023	1	$15 439
REGISTERED NURSES	7	-	-	-	-	1	-	-	6	$75,000+	$114 001	1	$15 439
PHARMACISTS	6	-	6	-	-	-	-	-	-	$5 500	$5 715	-	-
THERAPISTS	-	-	-	-	-	-	-	-	-	-	-	-	-
TEACHERS, LIBRARIANS, AND COUNSELORS	384	13	81	55	29	57	62	87	-	$15 967	$16 420	110	$22 253
TEACHERS, POSTSECONDARY	292	13	72	36	27	44	38	62	-	$11 852	$15 912	67	$22 650
TEACHERS, ELEMENTARY AND PRE-KINDERGARTEN	42	-	-	8	-	8	7	19	-	$23 282	$21 269	12	$30 210
TEACHERS, SECONDARY	20	-	-	11	2	2	5	-	-	$9 667	$12 488	10	$9 667
SOCIAL SCIENTISTS AND URBAN PLANNERS	27	-	-	-	6	5	10	6	-	$20 788	$22 601	23	$20 276
SOCIAL AND RECREATION WORKERS	59	9	5	13	14	6	2	10	-	$10 357	$12 748	30	$15 604
RELIGIOUS WORKERS	45	8	11	16	10	-	-	-	-	$6 875	$6 870	30	$6 750
LAWYERS AND JUDGES	10	5	-	-	-	-	5	-	-	$11 000	$10 505	5	$20 453
WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES	134	12	57	13	28	24	-	-	-	$5 857	$8 295	33	$12 589
TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS	1 425	143	187	293	266	276	103	144	13	$11 584	$13 053	802	$16 100
TECHNICIANS AND RELATED SUPPORT OCCUPATIONS	587	46	51	74	90	173	73	80	-	$15 611	$15 416	400	$17 283
HEALTH TECHNOLOGISTS AND TECHNICIANS	69	6	8	10	13	24	8	-	-	$11 615	$11 206	26	$15 393
LICENSED PRACTICAL NURSES	-	-	-	-	-	-	-	-	-	-	-	-	-
ENGINEERING AND SCIENCE TECHNICIANS	150	18	22	12	38	39	9	12	-	$13 552	$13 011	95	$15 992
ELECTRICAL AND ELECTRONIC TECHNICIANS	75	-	5	7	24	32	7	-	-	$15 099	$14 727	60	$15 674
DRAFTING AND SURVEYING TECHNICIANS	21	-	-	-	14	7	-	-	-	$13 814	$14 230	21	$13 814
TECHNICIANS, EXCEPT HEALTH, ENGINEERING, AND SCIENCE	368	22	21	52	39	110	56	68	-	$16 726	$17 185	279	$18 150
AIRPLANE PILOTS AND NAVIGATORS	-	-	-	-	-	-	-	-	-	-	-	-	-
COMPUTER PROGRAMMERS	178	-	4	16	5	86	39	28	-	$18 116	$19 598	149	$18 392
SALES OCCUPATIONS	298	23	51	71	35	56	12	37	13	$10 320	$14 728	142	$17 822
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS	21	-	4	5	-	-	6	6	-	$20 878	$21 591	12	$32 500
SELF-EMPLOYED	2	-	2	-	-	-	-	-	-	$2 500	$2 005	-	-
SALES REPRESENTATIVES, FINANCE AND BUSINESS SERVICES	58	-	-	10	4	11	6	14	13	$23 090	$30 604	44	$26 310
SALES REPRESENTATIVES, COMMODITIES, EXCEPT RETAIL	80	8	-	15	11	39	-	7	-	$15 324	$13 165	51	$15 153
SALES WORKERS, RETAIL AND PERSONAL SERVICES	139	15	47	41	20	6	-	10	-	$6 833	$7 967	35	$13 352
CASHIERS	17	-	11	6	-	-	-	-	-	$4 500	$4 450	-	-
SALES RELATED OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 222. OCCUPATION OF THE EXPERIENCED CIVILIAN LABOR FORCE BY EARNINGS IN 1979, LABOR FORCE STATUS IN 1979, SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

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MINNESOTA

	PERSONS WITH EARNINGS IN 1979											WORKED YEAR ROUND FULL TIME IN 1979	
	16 YEARS AND OVER	$1 TO $1,999 OR LOSS	$2,000 TO $5,999	$6,000 TO $9,999	$10,000 TO $14,999	$15,000 TO $19,999	$20,000 TO $24,999	$25,000 TO $49,999	$50,000 OR MORE	MEDIAN EARNINGS	MEAN EARNINGS	TOTAL	MEDIAN EARNINGS
ASIAN AND PACIFIC ISLANDER													
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL	540	74	85	148	141	47	18	27	-	$9 159	$9 561	260	$12 542
SUPERVISORS, ADMINISTRATIVE SUPPORT OCCUPATIONS	36	-	7	7	7	-	-	15	-	$11 143	$15 084	29	$25 025
COMPUTER EQUIPMENT OPERATORS	84	-	-	20	39	25	-	-	-	$13 034	$12 684	57	$13 687
SECRETARIES, STENOGRAPHERS, AND TYPISTS	6	-	6	-	-	-	-	-	-	$2 500	$2 255	-	-
SECRETARIES	6	-	6	-	-	-	-	-	-	$2 500	$2 255	-	-
RECEPTIONISTS	7	-	-	-	-	7	-	-	-	$15 439	$19 005	7	$15 439
FILE CLERKS	9	5	4	-	-	-	-	-	-	$1 900	$2 205	-	-
FINANCIAL RECORDS PROCESSING OCCUPATIONS	54	9	14	13	18	-	-	-	-	$8 615	$6 886	13	$11 857
BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS	54	9	14	13	18	-	-	-	-	$8 615	$6 886	13	$11 857
TELEPHONE OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-	-
MAIL AND MESSAGE DISTRIBUTING OCCUPATIONS	42	14	5	-	6	3	8	6	-	$10 667	$13 782	17	$22 809
TRAFFIC, SHIPPING, STOCK AND INVENTORY CLERKS	116	-	27	37	40	12	-	-	-	$9 455	$9 652	67	$9 313
INSURANCE ADJUSTERS, EXAMINERS, AND INVESTIGATORS	-	-	-	-	-	-	-	-	-	-	-	-	-
BANK TELLERS	5	-	-	5	-	-	-	-	-	$9 000	$9 005	5	$9 000
DATA-ENTRY KEYERS	33	13	7	13	-	-	-	-	-	$2 500	$3 780	-	-
OTHER ADMINISTRATIVE SUPPORT OCCUPATIONS	148	33	15	53	31	-	10	6	-	$7 625	$7 756	65	$9 563
SERVICE OCCUPATIONS	913	262	312	125	101	74	23	16	-	$4 076	$6 183	223	$14 388
PRIVATE HOUSEHOLD OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-	-
PROTECTIVE SERVICE OCCUPATIONS	34	8	6	-	-	14	6	-	-	$15 594	$12 006	15	$18 407
FIREFIGHTING OCCUPATIONS	6	-	-	-	-	-	6	-	-	$20 453	$24 855	6	$20 453
POLICE AND DETECTIVES, PUBLIC SERVICE	15	2	6	-	-	7	-	-	-	$5 917	$9 546	2	$1 500
GUARDS	13	6	-	-	-	7	-	-	-	$15 051	$8 913	7	$15 439
OTHER PROTECTIVE SERVICE OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-	-
SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD	879	254	306	125	101	60	17	16	-	$3 977	$5 958	208	$13 817
FOOD PREPARATION AND SERVICE OCCUPATIONS	576	175	174	82	80	43	6	16	-	$3 833	$6 323	143	$14 243
WAITERS AND FOOD COUNTER WORKERS	32	6	16	-	-	-	-	10	-	$3 909	$9 819	10	$25 462
COOKS	287	34	106	58	46	31	6	6	-	$6 269	$7 925	94	$14 172
HEALTH SERVICE OCCUPATIONS	42	9	22	-	5	6	-	-	-	$4 286	$5 683	6	$15 439
NURSING AIDES, ORDERLIES, AND ATTENDANTS	23	-	12	-	5	6	-	-	-	$5 900	$8 853	6	$15 439
CLEANING AND BUILDING SERVICE OCCUPATIONS EXC. HOUSEHOLD	226	52	104	32	16	11	11	-	-	$4 229	$5 563	56	$11 250
PERSONAL SERVICE OCCUPATIONS	35	18	6	11	-	-	-	-	-	$1,000-	$2 840	3	$3 500
BARBERS, HAIRDRESSERS AND COSMETOLOGISTS	3	-	3	-	-	-	-	-	-	$3 500	$3 310	3	$3 500
FARMING, FORESTRY, AND FISHING OCCUPATIONS	55	10	5	4	-	17	13	6	-	$16 933	$14 862	22	$17 863
FARM OPERATORS AND MANAGERS	44	4	2	2	-	17	13	6	-	$18 723	$17 874	20	$18 478
FARM OCCUPATIONS, EXCEPT MANAGERIAL	11	6	3	2	-	-	-	-	-	$1 833	$2 814	2	$7 000
RELATED AGRICULTURAL OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-	-
FORESTRY AND FISHING OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-	-
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS	506	60	35	98	110	118	51	20	14	$12 299	$14 121	302	$15 644
MECHANICS AND REPAIRERS	165	19	12	34	40	48	8	4	-	$12 144	$11 963	95	$14 116
AUTOMOBILE MECHANICS, INCLUDING BODY	60	-	5	8	5	42	-	-	-	$15 223	$14 647	49	$15 254
AIRCRAFT MECHANICS	16	-	-	-	10	6	-	-	-	$11 600	$14 005	10	$11 000
HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER MECHANICS AND REPAIRERS	89	19	7	26	25	-	8	4	-	$9 167	$9 786	36	$12 632
CONSTRUCTION TRADES	87	14	4	21	6	12	21	3	6	$11 500	$18 617	54	$18 282
CARPENTERS	23	-	4	10	2	-	-	1	6	$7 500	$31 318	11	$75,000+
ELECTRICIANS	15	7	-	-	-	8	-	-	-	$15 044	$10 454	7	$15 439
PAINTERS, CONSTRUCTION AND MAINTENANCE	22	7	-	5	4	-	6	-	-	$9 600	$10 359	9	$9 800
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER CONSTRUCTION TRADES	27	-	-	6	-	4	15	2	-	$20 487	$19 061	27	$20 487
EXTRACTIVE OCCUPATIONS	17	-	-	-	-	17	-	-	-	$15 439	$19 146	17	$15 439
PRECISION PRODUCTION OCCUPATIONS	237	27	19	43	64	41	22	13	8	$11 903	$13 612	136	$15 949
SUPERVISORS, PRODUCTION OCCUPATIONS	78	6	7	13	7	16	15	6	8	$16 473	$18 432	58	$20 000
MANUFACTURING	63	6	5	8	5	10	15	6	8	$18 457	$20 070	52	$20 681
PRECISION METALWORKING OCCUPATIONS	60	6	7	7	22	18	-	-	-	$12 637	$11 334	26	$15 216
TOOL AND DIE MAKERS	8	-	-	7	1	-	-	-	-	$7 143	$7 436	1	$12 272
MACHINISTS	38	6	2	-	12	18	-	-	-	$14 459	$12 513	20	$15 378
SHEET METAL WORKERS	5	-	-	-	5	-	-	-	-	$12 272	$14 005	5	$12 272
OTHER PRECISION METAL WORKERS	9	-	5	-	4	-	-	-	-	$3 900	$8 338	-	-
PRECISION TEXTILE, APPAREL, AND FURNISHINGS MACHINE WORKERS	6	-	-	-	6	-	-	-	-	$11 000	$11 065	-	-
PLANT AND SYSTEM OPERATORS	2	-	-	-	-	-	2	-	-	$20 453	$24 005	2	$20 453
OTHER PRECISION PRODUCTION OCCUPATIONS	91	15	5	23	29	7	5	7	-	$10 333	$10 921	50	$11 200

TABLE 222. OCCUPATION OF THE EXPERIENCED CIVILIAN LABOR FORCE BY EARNINGS IN 1979, LABOR FORCE STATUS IN 1979, 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]

MINNESOTA

	PERSONS WITH EARNINGS IN 1979											WORKED YEAR ROUND FULL TIME IN 1979	
	16 YEARS AND OVER	$1 TO $1,999 OR LOSS	$2,000 TO $5,999	$6,000 TO $9,999	$10,000 TO $14,999	$15,000 TO $19,999	$20,000 TO $24,999	$25,000 TO $49,999	$50,000 OR MORE	MEDIAN EARNINGS	MEAN EARNINGS	TOTAL	MEDIAN EARNINGS
ASIAN AND PACIFIC ISLANDER													
OPERATORS, FABRICATORS, AND LABORERS	920	107	159	164	278	132	46	34	-	$10 606	$10 411	430	$13 560
MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS	701	65	108	142	255	94	23	14	-	$10 816	$10 253	325	$12 918
MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION	393	12	66	62	164	60	18	11	-	$12 223	$11 493	181	$13 887
METALWORKING AND PLASTIC WORKING MACHINE OPERATORS	76	-	9	-	37	18	8	4	-	$13 847	$14 161	43	$15 701
PRINTING MACHINE OPERATORS	25	7	-	7	11	-	-	-	-	$7 571	$7 819	7	$7 000
TEXTILE, APPAREL, AND FURNISHINGS MACHINE OPERATORS	35	-	17	15	3	-	-	-	-	$6 111	$6 366	17	$4 500
TEXTILE MACHINE OPERATORS	12	-	6	6	-	-	-	-	-	$6 500	$6 415	6	$9 000
TEXTILE SEWING MACHINE OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-	-
LAUNDERING AND DRYCLEANING MACHINE OPERATORS	18	-	6	9	3	-	-	-	-	$6 667	$6 822	6	$3 500
OTHER SPECIFIED MACHINE OPERATORS	84	5	22	-	21	19	10	7	-	$13 918	$12 593	50	$15 614
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS	173	-	18	40	92	23	-	-	-	$11 727	$11 354	64	$13 530
OCCUPATION:													
MISCELLANEOUS MACHINE OPERATORS, N.E.C.	33	-	-	2	26	5	-	-	-	$12 597	$12 563	13	$11 625
MACHINE OPERATORS, NOT SPECIFIED	140	-	18	38	66	18	-	-	-	$11 120	$11 069	51	$13 685
INDUSTRY:													
MANUFACTURING	148	-	11	27	87	23	-	-	-	$12 088	$12 050	54	$14 135
NONDURABLE GOODS	51	-	-	7	44	-	-	-	-	$11 121	$11 353	17	$11 417
FOOD AND KINDRED PRODUCTS	-	-	-	-	-	-	-	-	-	-	-	-	-
TEXTILE MILL AND FINISHED TEXTILE PRODUCTS	21	-	-	-	21	-	-	-	-	$11 000	$11 028	-	-
PAPER AND ALLIED PRODUCTS	14	-	-	-	14	-	-	-	-	$11 750	$12 432	8	$11 000
OTHER NONDURABLE GOODS	16	-	-	7	9	-	-	-	-	$10 500	$10 836	9	$12 045
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG	97	-	11	20	43	23	-	-	-	$12 809	$12 417	37	$15 147
METAL INDUSTRIES	22	-	11	-	11	-	-	-	-	$8 500	$8 889	-	-
MACHINERY, INCLUDING ELECTRICAL	66	-	-	20	32	14	-	-	-	$12 771	$12 755	28	$15 000
TRANSPORTATION EQUIPMENT	9	-	-	-	-	9	-	-	-	$15 439	$18 561	9	$15 439
OTHER DURABLE GOODS	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMANUFACTURING INDUSTRIES	25	-	7	13	5	-	-	-	-	$7 375	$7 233	10	$11 000
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	-	-	-	-	-	-	-	-	-	-	-	-	-
WHOLESALE AND RETAIL TRADE	17	-	7	5	5	-	-	-	-	$8 600	$7 495	10	$11 000
ALL OTHER INDUSTRIES	8	-	-	8	-	-	-	-	-	$7 000	$6 675	-	-
FABRICATORS, ASSEMBLERS, AND HAND WORKING OCCUPATIONS	268	39	35	70	82	34	5	3	-	$9 545	$9 221	141	$11 861
WELDERS AND CUTTERS	54	12	-	20	12	10	-	-	-	$9 286	$8 728	31	$8 714
ASSEMBLERS	207	27	35	50	63	24	5	3	-	$9 433	$9 188	103	$11 917
OTHER FABRICATORS AND HAND WORKING OCCUPATIONS	7	-	-	-	7	-	-	-	-	$12 272	$14 005	7	$12 272
PRODUCTION INSPECTORS, TESTERS, SAMPLERS, AND WEIGHERS	40	14	7	10	9	-	-	-	-	$2 857	$4 983	3	$12 272
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	81	-	15	12	16	27	11	-	-	$14 184	$13 305	58	$13 999
MOTOR VEHICLE OPERATORS	53	-	10	12	16	9	6	-	-	$11 800	$11 904	40	$11 600
TRUCK DRIVERS AND DRIVER-SALES WORKERS	21	-	6	2	5	2	6	-	-	$13 238	$12 272	15	$16 000
BUS DRIVERS	17	-	4	-	6	7	-	-	-	$13 986	$13 231	10	$12 077
RAIL AND WATER TRANSPORTATION OCCUPATIONS	10	-	-	-	-	5	5	-	-	$20 000	$21 770	5	$15 439
MATERIAL MOVING EQUIPMENT OPERATORS	18	-	5	-	-	13	-	-	-	$15 243	$12 727	13	$15 439
EXCAVATING, GRADING, AND DOZER MACHINE OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-	-
HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS	138	42	36	10	7	11	12	20	-	$5 000	$9 513	47	$22 692
CONSTRUCTION LABORERS	10	6	-	4	-	-	-	-	-	$1 833	$4 105	-	-
FREIGHT, STOCK, AND MATERIAL HANDLERS	31	14	4	-	-	-	3	10	-	$2 375	$10 927	10	$25 462
GARAGE AND SERVICE STATION RELATED OCCUPATIONS	7	-	7	-	-	-	-	-	-	$4 500	$4 305	-	-
HAND PACKERS AND PACKAGERS	21	5	10	6	-	-	-	-	-	$2 550	$3 844	-	-
OTHER SPECIFIED HANDLERS, EQUIPMENT CLEANERS, AND HELPERS	34	10	3	-	-	11	-	10	-	$16 281	$13 704	21	$19 625
LABORERS, EXCEPT CONSTRUCTION	35	7	12	-	7	-	9	-	-	$5 750	$10 176	16	$20 083
MANUFACTURING	7	7	-	-	-	-	-	-	-	$1,000-	$1 158	-	-
NONDURABLE GOODS	5	5	-	-	-	-	-	-	-	$1 167	$1 319	-	-
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG.	2	2	-	-	-	-	-	-	-	$1,000-	$755	-	-
METAL INDUSTRIES	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMANUFACTURING INDUSTRIES	28	-	12	-	7	-	9	-	-	$10 571	$12 431	16	$20 083
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	9	-	-	-	-	-	9	-	-	$20 453	$24 445	9	$20 453
WHOLESALE AND RETAIL TRADE	13	-	6	-	7	-	-	-	-	$10 143	$7 190	7	$11 000
ALL OTHER INDUSTRIES	6	-	6	-	-	-	-	-	-	$5 500	$5 765	-	-
EXPERIENCED UNEMPLOYED NOT CLASSIFIED BY OCCUPATION	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 222. OCCUPATION OF THE EXPERIENCED CIVILIAN LABOR FORCE BY EARNINGS IN 1979, LABOR FORCE STATUS IN 1979, 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]

MINNESOTA

	PERSONS WITH EARNINGS IN 1979											WORKED YEAR ROUND FULL TIME IN 1979	
	16 YEARS AND OVER	$1 TO $1,999 OR LOSS	$2,000 TO $5,999	$6,000 TO $9,999	$10,000 TO $14,999	$15,000 TO $19,999	$20,000 TO $24,999	$25,000 TO $49,999	$50,000 OR MORE	MEDIAN EARNINGS	MEAN EARNINGS	TOTAL	MEDIAN EARNINGS
ASIAN AND PACIFIC ISLANDER													
FEMALE EXPERIENCED CIVILIAN LABOR FORCE	4 994	672	1 162	1 330	1 147	409	116	105	53	$7 973	$10 105	2 250	$11 333
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS	1 199	64	160	199	383	206	78	74	35	$11 730	$13 556	633	$13 741
EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS	342	7	64	43	143	58	14	8	5	$11 443	$12 015	234	$12 645
OFFICIALS AND ADMINISTRATORS, PUBLIC ADMINISTRATION	-	-	-	-	-	-	-	-	-	-	-	-	-
ADMINISTRATORS, EDUCATION AND RELATED FIELDS	35	-	-	-	16	12	7	-	-	$15 360	$15 576	35	$15 360
MANAGERS, MEDICINE AND HEALTH	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER SPECIFIED MANAGERS	47	-	14	8	25	-	-	-	-	$10 600	$9 499	25	$12 190
MANAGERS AND ADMINISTRATORS, N.E.C., SALARIED	122	-	28	25	43	14	7	-	5	$10 762	$11 788	71	$12 765
MANUFACTURING	14	-	-	-	-	14	-	-	-	$15 439	$16 865	14	$15 439
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	-	-	-	-	-	-	-	-	-	-	-	-	-
WHOLESALE AND RETAIL TRADE	64	-	24	10	25	-	-	-	5	$7 600	$10 744	22	$12 269
ALL OTHER INDUSTRIES	44	-	4	15	18	-	7	-	-	$10 545	$11 691	35	$11 364
MANAGERS AND ADMINISTRATORS, N.E.C., SELF-EMPLOYED	18	-	-	-	10	8	-	-	-	$11 800	$12 227	18	$11 800
CONSTRUCTION	-	-	-	-	-	-	-	-	-	-	-	-	-
MANUFACTURING	-	-	-	-	-	-	-	-	-	-	-	-	-
WHOLESALE AND RETAIL TRADE	-	-	-	-	-	-	-	-	-	-	-	-	-
ALL OTHER INDUSTRIES	18	-	-	-	10	8	-	-	-	$11 800	$12 227	18	$11 800
MANAGEMENT RELATED OCCUPATIONS	120	7	22	10	49	24	-	8	-	$11 556	$12 162	85	$12 330
ACCOUNTANTS AND AUDITORS	71	7	6	10	42	6	-	-	-	$10 926	$10 363	52	$11 524
BUYERS AND PURCHASING AGENTS	6	-	-	-	-	6	-	-	-	$15 439	$16 705	6	$15 439
PROFESSIONAL SPECIALTY OCCUPATIONS	857	57	96	156	240	148	64	66	30	$11 912	$14 171	399	$14 759
ENGINEERS, ARCHITECTS, AND SURVEYORS	45	-	10	-	13	17	5	-	-	$14 691	$13 468	35	$15 682
ARCHITECTS	-	-	-	-	-	-	-	-	-	-	-	-	-
ENGINEERS	45	-	10	-	13	17	5	-	-	$14 691	$13 468	35	$15 682
ELECTRICAL AND ELECTRONIC ENGINEERS	-	-	-	-	-	-	-	-	-	-	-	-	-
MECHANICAL ENGINEERS	10	-	10	-	-	-	-	-	-	$2 500	$2 805	-	-
OTHER ENGINEERS	35	-	-	-	13	17	5	-	-	$15 682	$16 515	35	$15 682
SURVEYORS AND MAPPING SCIENTISTS	-	-	-	-	-	-	-	-	-	-	-	-	-
MATHEMATICAL AND COMPUTER SCIENTISTS	36	-	-	-	19	12	5	-	-	$11 895	$14 355	27	$15 835
COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS	17	-	-	-	9	8	-	-	-	$11 889	$13 825	8	$15 439
NATURAL SCIENTISTS	20	-	4	-	-	10	6	-	-	$17 217	$17 534	16	$18 382
HEALTH DIAGNOSING OCCUPATIONS	113	-	15	15	8	-	-	45	30	$33 879	$30 732	49	$50 925
PHYSICIANS	113	-	15	15	8	-	-	45	30	$33 879	$30 732	49	$50 925
DENTISTS	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER HEALTH DIAGNOSING PRACTITIONERS	-	-	-	-	-	-	-	-	-	-	-	-	-
HEALTH ASSESSMENT AND TREATING OCCUPATIONS	206	11	10	44	53	68	6	14	-	$13 097	$13 066	92	$14 005
REGISTERED NURSES	192	11	8	44	48	62	6	13	-	$13 090	$13 010	80	$13 831
PHARMACISTS	-	-	-	-	-	-	-	-	-	-	-	-	-
THERAPISTS	5	-	-	-	5	-	-	-	-	$11 000	$10 005	5	$11 000
TEACHERS, LIBRARIANS, AND COUNSELORS	252	22	43	50	62	41	34	-	-	$10 647	$10 842	76	$13 871
TEACHERS, POSTSECONDARY	53	7	14	11	7	7	7	-	-	$8 167	$9 813	15	$9 833
TEACHERS, ELEMENTARY AND PRE-KINDERGARTEN	159	7	15	37	55	20	25	-	-	$11 206	$11 686	45	$11 750
TEACHERS, SECONDARY	15	2	7	2	-	2	2	-	-	$5 786	$8 176	4	$13 000
SOCIAL SCIENTISTS AND URBAN PLANNERS	18	-	-	7	5	-	6	-	-	$12 920	$13 499	11	$20 062
SOCIAL AND RECREATION WORKERS	55	-	-	9	44	-	2	-	-	$12 202	$12 342	40	$12 346
RELIGIOUS WORKERS	-	-	-	-	-	-	-	-	-	-	-	-	-
LAWYERS AND JUDGES	-	-	-	-	-	-	-	-	-	-	-	-	-
WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES	112	24	14	31	36	-	-	7	-	$7 800	$7 616	53	$9 800
TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS	1 588	287	370	443	275	146	32	29	6	$7 305	$8 042	696	$11 160
TECHNICIANS AND RELATED SUPPORT OCCUPATIONS	312	33	32	88	49	75	24	5	6	$11 200	$12 553	170	$15 853
HEALTH TECHNOLOGISTS AND TECHNICIANS	113	13	18	42	20	20	-	-	-	$7 962	$8 535	48	$13 997
LICENSED PRACTICAL NURSES	7	-	-	7	-	-	-	-	-	$8 250	$7 362	-	-
ENGINEERING AND SCIENCE TECHNICIANS	74	13	12	19	12	12	-	-	6	$7 714	$14 707	41	$13 732
ELECTRICAL AND ELECTRONIC TECHNICIANS	10	-	-	6	2	2	-	-	-	$7 667	$10 043	10	$7 667
DRAFTING AND SURVEYING TECHNICIANS	5	-	-	5	-	-	-	-	-	$9 000	$9 005	5	$9 000
TECHNICIANS, EXCEPT HEALTH, ENGINEERING, AND SCIENCE	125	7	2	27	17	43	24	5	-	$15 687	$14 911	81	$17 832
AIRPLANE PILOTS AND NAVIGATORS	-	-	-	-	-	-	-	-	-	-	-	-	-
COMPUTER PROGRAMMERS	85	7	-	17	5	32	24	-	-	$16 473	$14 967	56	$18 980
SALES OCCUPATIONS	291	113	86	32	31	8	8	13	-	$4 025	$5 934	72	$11 200
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS	15	2	3	7	3	-	-	-	-	$6 714	$6 920	10	$7 429
SELF-EMPLOYED	-	-	-	-	-	-	-	-	-	-	-	-	-
SALES REPRESENTATIVES, FINANCE AND BUSINESS SERVICES	36	7	-	-	6	2	8	13	-	$21 487	$17 530	14	$24 005
SALES REPRESENTATIVES, COMMODITIES, EXCEPT RETAIL	8	-	6	1	1	-	-	-	-	$4 667	$5 465	2	$10 000
SALES WORKERS, RETAIL AND PERSONAL SERVICES	232	104	77	24	21	6	-	-	-	$3 048	$4 087	46	$7 789
CASHIERS	83	28	33	-	16	6	-	-	-	$3 682	$5 510	16	$14 050
SALES RELATED OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 222. OCCUPATION OF THE EXPERIENCED CIVILIAN LABOR FORCE BY EARNINGS IN 1979, LABOR FORCE STATUS IN 1979, SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

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MINNESOTA

	PERSONS WITH EARNINGS IN 1979											WORKED YEAR ROUND FULL TIME IN 1979	
	16 YEARS AND OVER	$1 TO $1,999 OR LOSS	$2,000 TO $5,999	$6,000 TO $9,999	$10,000 TO $14,999	$15,000 TO $19,999	$20,000 TO $24,999	$25,000 TO $49,999	$50,000 OR MORE	MEDIAN EARNINGS	MEAN EARNINGS	TOTAL	MEDIAN EARNINGS
ASIAN AND PACIFIC ISLANDER													
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL	985	141	252	323	195	63	-	11	-	$7 392	$7 235	454	$10 110
SUPERVISORS, ADMINISTRATIVE SUPPORT OCCUPATIONS	8	-	-	-	2	-	-	6	-	$30 000	$24 498	8	$30 000
COMPUTER EQUIPMENT OPERATORS	40	-	14	14	12	-	-	-	-	$6 857	$7 200	10	$9 000
SECRETARIES, STENOGRAPHERS, AND TYPISTS	243	28	73	67	64	11	-	-	-	$8 176	$7 248	122	$10 526
SECRETARIES	168	8	64	38	58	-	-	-	-	$7 500	$7 281	82	$10 813
RECEPTIONISTS	21	-	5	16	-	-	-	-	-	$7 222	$6 940	16	$7 778
FILE CLERKS	39	21	18	-	-	-	-	-	-	$1 875	$1 959	-	-
FINANCIAL RECORDS PROCESSING OCCUPATIONS	156	16	56	53	22	9	-	-	-	$6 387	$6 504	69	$8 955
BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS	122	10	49	41	22	-	-	-	-	$6 160	$6 179	48	$8 750
TELEPHONE OPERATORS	6	-	-	-	6	-	-	-	-	$11 000	$10 005	6	$11 000
MAIL AND MESSAGE DISTRIBUTING OCCUPATIONS	36	-	-	16	-	15	-	5	-	$15 332	$14 237	29	$16 035
TRAFFIC, SHIPPING, STOCK AND INVENTORY CLERKS	10	-	5	-	5	-	-	-	-	$7 000	$7 450	-	-
INSURANCE ADJUSTERS, EXAMINERS, AND INVESTIGATORS	15	-	6	-	5	4	-	-	-	$12 617	$10 305	9	$14 522
BANK TELLERS	40	6	6	25	3	-	-	-	-	$7 778	$6 365	21	$8 333
DATA-ENTRY KEYERS	91	6	14	26	45	-	-	-	-	$9 952	$8 697	46	$11 778
OTHER ADMINISTRATIVE SUPPORT OCCUPATIONS	280	64	55	106	31	24	-	-	-	$6 913	$6 419	118	$9 487
SERVICE OCCUPATIONS	936	190	375	213	115	23	6	2	12	$4 788	$12 495	276	$8 577
PRIVATE HOUSEHOLD OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-	-
PROTECTIVE SERVICE OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-	-
FIREFIGHTING OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-	-
POLICE AND DETECTIVES, PUBLIC SERVICE	-	-	-	-	-	-	-	-	-	-	-	-	-
GUARDS	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER PROTECTIVE SERVICE OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-	-
SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD	936	190	375	213	115	23	6	2	12	$4 788	$12 495	276	$8 577
FOOD PREPARATION AND SERVICE OCCUPATIONS	504	124	237	81	57	-	-	-	5	$4 018	$5 215	121	$9 261
WAITERS AND FOOD COUNTER WORKERS	226	48	139	24	15	-	-	-	-	$3 931	$4 088	50	$5 619
COOKS	78	12	18	8	35	-	-	-	5	$10 091	$11 211	42	$11 700
HEALTH SERVICE OCCUPATIONS	141	18	43	63	8	2	-	-	7	$6 487	$49 707	43	$9 150
NURSING AIDES, ORDERLIES, AND ATTENDANTS	126	18	40	60	6	2	-	-	-	$6 256	$5 583	33	$8 765
CLEANING AND BUILDING SERVICE OCCUPATIONS EXC. HOUSEHOLD	139	22	66	37	14	-	-	-	-	$4 964	$5 183	65	$6 826
PERSONAL SERVICE OCCUPATIONS	152	26	29	32	36	21	6	2	-	$8 842	$8 800	47	$9 250
BARBERS, HAIRDRESSERS AND COSMETOLOGISTS	25	-	4	-	21	-	-	-	-	$10 810	$9 197	15	$11 000
FARMING, FORESTRY, AND FISHING OCCUPATIONS	7	7	-	-	-	-	-	-	-	$1,000-	$-119	5	$1,000-
FARM OPERATORS AND MANAGERS	5	5	-	-	-	-	-	-	-	$1,000-	$-369	5	$1,000-
FARM OCCUPATIONS, EXCEPT MANAGERIAL	2	2	-	-	-	-	-	-	-	$1,000-	$505	-	-
RELATED AGRICULTURAL OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-	-
FORESTRY AND FISHING OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-	-
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS	213	13	25	101	60	14	-	-	-	$8 700	$8 438	123	$10 607
MECHANICS AND REPAIRERS	5	-	-	-	5	-	-	-	-	$12 272	$13 905	5	$12 272
AUTOMOBILE MECHANICS, INCLUDING BODY	-	-	-	-	-	-	-	-	-	-	-	-	-
AIRCRAFT MECHANICS	5	-	-	-	5	-	-	-	-	$12 272	$13 905	5	$12 272
HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER MECHANICS AND REPAIRERS	-	-	-	-	-	-	-	-	-	-	-	-	-
CONSTRUCTION TRADES	4	-	-	-	-	4	-	-	-	$15 439	$17 005	4	$15 439
CARPENTERS	-	-	-	-	-	-	-	-	-	-	-	-	-
ELECTRICIANS	-	-	-	-	-	-	-	-	-	-	-	-	-
PAINTERS, CONSTRUCTION AND MAINTENANCE	-	-	-	-	-	-	-	-	-	-	-	-	-
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER CONSTRUCTION TRADES	4	-	-	-	-	4	-	-	-	$15 439	$17 005	4	$15 439
EXTRACTIVE OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-	-
PRECISION PRODUCTION OCCUPATIONS	204	13	25	101	55	10	-	-	-	$8 520	$8 136	114	$10 286
SUPERVISORS, PRODUCTION OCCUPATIONS	34	-	-	13	21	-	-	-	-	$12 000	$10 432	19	$12 185
MANUFACTURING	25	-	-	13	12	-	-	-	-	$9 500	$9 866	10	$12 077
PRECISION METALWORKING OCCUPATIONS	14	-	-	14	-	-	-	-	-	$8 000	$7 600	7	$9 000
TOOL AND DIE MAKERS	-	-	-	-	-	-	-	-	-	-	-	-	-
MACHINISTS	7	-	-	7	-	-	-	-	-	$9 000	$8 845	7	$9 000
SHEET METAL WORKERS	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER PRECISION METAL WORKERS	7	-	-	7	-	-	-	-	-	$7 000	$6 355	-	-
PRECISION TEXTILE, APPAREL, AND FURNISHINGS MACHINE WORKERS	54	7	21	26	-	-	-	-	-	$5 900	$5 379	24	$7 143
PLANT AND SYSTEM OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER PRECISION PRODUCTION OCCUPATIONS	102	6	4	48	34	10	-	-	-	$9 481	$8 904	64	$10 833

TABLE 222. OCCUPATION OF THE EXPERIENCED CIVILIAN LABOR FORCE BY EARNINGS IN 1979, LABOR FORCE STATUS IN 1979, 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]

MINNESOTA

	PERSONS WITH EARNINGS IN 1979											WORKED YEAR ROUND FULL TIME IN 1979	
	16 YEARS AND OVER	$1 TO $1,999 OR LOSS	$2,000 TO $5,999	$6,000 TO $9,999	$10,000 TO $14,999	$15,000 TO $19,999	$20,000 TO $24,999	$25,000 TO $49,999	$50,000 OR MORE	MEDIAN EARNINGS	MEAN EARNINGS	TOTAL	MEDIAN EARNINGS
ASIAN AND PACIFIC ISLANDER													
OPERATORS, FABRICATORS, AND LABORERS	1 051	111	232	374	314	20	-	-	-	$7 881	$7 562	517	$10 836
MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS	896	80	190	320	294	12	-	-	-	$8 329	$7 787	457	$11 016
MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION	317	43	80	114	80	-	-	-	-	$6 866	$6 702	131	$10 613
METALWORKING AND PLASTIC WORKING MACHINE OPERATORS	18	2	10	-	6	-	-	-	-	$5 700	$7 496	6	$12 272
PRINTING MACHINE OPERATORS	19	5	2	12	-	-	-	-	-	$6 833	$5 852	6	$9 000
TEXTILE, APPAREL, AND FURNISHINGS MACHINE OPERATORS	132	12	34	60	26	-	-	-	-	$6 755	$6 612	60	$7 789
TEXTILE MACHINE OPERATORS	6	-	-	6	-	-	-	-	-	$7 000	$7 535	-	-
TEXTILE SEWING MACHINE OPERATORS	82	4	14	38	26	-	-	-	-	$7 484	$7 604	52	$10 000
LAUNDERING AND DRYCLEANING MACHINE OPERATORS	38	8	20	10	-	-	-	-	-	$3 857	$4 201	8	$5 500
OTHER SPECIFIED MACHINE OPERATORS	42	4	6	22	10	-	-	-	-	$8 000	$7 126	21	$9 909
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS	106	20	28	20	38	-	-	-	-	$6 833	$6 662	38	$12 129
OCCUPATION:													
MISCELLANEOUS MACHINE OPERATORS, N.E.C.	37	-	16	3	18	-	-	-	-	$9 667	$8 177	23	$12 052
MACHINE OPERATORS, NOT SPECIFIED	69	20	12	17	20	-	-	-	-	$6 417	$5 849	15	$12 220
INDUSTRY:													
MANUFACTURING	98	20	25	15	38	-	-	-	-	$6 667	$6 603	38	$12 129
NONDURABLE GOODS	74	18	17	12	27	-	-	-	-	$6 333	$5 993	22	$12 128
FOOD AND KINDRED PRODUCTS	12	-	9	-	3	-	-	-	-	$2 667	$4 160	-	-
TEXTILE MILL AND FINISHED TEXTILE PRODUCTS	-	-	-	-	-	-	-	-	-	-	-	-	-
PAPER AND ALLIED PRODUCTS	8	-	-	-	8	-	-	-	-	$12 272	$13 005	8	$12 272
OTHER NONDURABLE GOODS	54	18	8	12	16	-	-	-	-	$6 167	$5 362	14	$12 000
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG	24	2	8	3	11	-	-	-	-	$9 333	$8 482	16	$12 131
METAL INDUSTRIES	-	-	-	-	-	-	-	-	-	-	-	-	-
MACHINERY, INCLUDING ELECTRICAL	16	2	5	3	6	-	-	-	-	$8 667	$8 093	11	$12 037
TRANSPORTATION EQUIPMENT	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER DURABLE GOODS	8	-	3	-	5	-	-	-	-	$12 093	$9 260	5	$12 272
NONMANUFACTURING INDUSTRIES	8	-	3	5	-	-	-	-	-	$8 400	$7 385	-	-
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	-	-	-	-	-	-	-	-	-	-	-	-	-
WHOLESALE AND RETAIL TRADE	5	-	-	5	-	-	-	-	-	$9 000	$9 005	-	-
ALL OTHER INDUSTRIES	3	-	3	-	-	-	-	-	-	$4 500	$4 685	-	-
FABRICATORS, ASSEMBLERS, AND HAND WORKING OCCUPATIONS	529	31	99	201	186	12	-	-	-	$9 000	$8 330	292	$11 022
WELDERS AND CUTTERS	5	5	-	-	-	-	-	-	-	$1 500	$1 905	-	-
ASSEMBLERS	498	26	86	194	180	12	-	-	-	$9 095	$8 467	286	$10 957
OTHER FABRICATORS AND HAND WORKING OCCUPATIONS	26	-	13	7	6	-	-	-	-	$6 500	$6 928	6	$12 272
PRODUCTION INSPECTORS, TESTERS, SAMPLERS, AND WEIGHERS	50	6	11	5	28	-	-	-	-	$11 200	$8 921	34	$12 125
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	16	4	4	-	-	8	-	-	-	$10 500	$9 729	11	$15 247
MOTOR VEHICLE OPERATORS	5	4	1	-	-	-	-	-	-	$1 625	$2 005	-	-
TRUCK DRIVERS AND DRIVER-SALES WORKERS	1	-	1	-	-	-	-	-	-	$3 500	$3 605	-	-
BUS DRIVERS	4	4	-	-	-	-	-	-	-	$1 500	$1 605	-	-
RAIL AND WATER TRANSPORTATION OCCUPATIONS	3	-	3	-	-	-	-	-	-	$5 500	$5 865	3	$5 500
MATERIAL MOVING EQUIPMENT OPERATORS	8	-	-	-	-	8	-	-	-	$15 439	$16 005	8	$15 439
EXCAVATING, GRADING, AND DOZER MACHINE OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-	-
HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS	139	27	38	54	20	-	-	-	-	$6 205	$5 864	49	$7 235
CONSTRUCTION LABORERS	-	-	-	-	-	-	-	-	-	-	-	-	-
FREIGHT, STOCK, AND MATERIAL HANDLERS	23	13	-	10	-	-	-	-	-	$1,000-	$4 246	5	$9 000
GARAGE AND SERVICE STATION RELATED OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-	-
HAND PACKERS AND PACKAGERS	80	14	30	19	17	-	-	-	-	$5 429	$6 117	41	$6 765
OTHER SPECIFIED HANDLERS, EQUIPMENT CLEANERS, AND HELPERS	-	-	-	-	-	-	-	-	-	-	-	-	-
LABORERS, EXCEPT CONSTRUCTION	36	-	8	25	3	-	-	-	-	$6 800	$6 337	3	$12 272
MANUFACTURING	24	-	4	17	3	-	-	-	-	$6 941	$6 986	3	$12 272
NONDURABLE GOODS	19	-	2	17	-	-	-	-	-	$6 882	$6 039	-	-
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG	5	-	2	-	3	-	-	-	-	$12 077	$10 585	3	$12 272
METAL INDUSTRIES	-	-	-	-	-	-	-	-	-	-	-	-	-
NONMANUFACTURING INDUSTRIES	12	-	4	8	-	-	-	-	-	$6 500	$5 038	-	-
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	-	-	-	-	-	-	-	-	-	-	-	-	-
WHOLESALE AND RETAIL TRADE	-	-	-	-	-	-	-	-	-	-	-	-	-
ALL OTHER INDUSTRIES	12	-	4	8	-	-	-	-	-	$6 500	$5 038	-	-
EXPERIENCED UNEMPLOYED NOT CLASSIFIED BY OCCUPATION	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 222. OCCUPATION OF THE EXPERIENCED CIVILIAN LABOR FORCE BY EARNINGS IN 1979, LABOR FORCE STATUS IN 1979, 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]

MINNESOTA

SPANISH ORIGIN	PERSONS WITH EARNINGS IN 1979											WORKED YEAR ROUND FULL TIME IN 1979	
	16 YEARS AND OVER	$1 TO $1,999 OR LOSS	$2,000 TO $5,999	$6,000 TO $9,999	$10,000 TO $14,999	$15,000 TO $19,999	$20,000 TO $24,999	$25,000 TO $49,999	$50,000 OR MORE	MEDIAN EARNINGS	MEAN EARNINGS	TOTAL	MEDIAN EARNINGS
MALE EXPERIENCED CIVILIAN LABOR FORCE	6 920	687	1 043	1 047	1 384	1 386	720	549	104	$12 487	$13 326	3 849	$15 785
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS	1 317	92	100	158	202	234	200	245	86	$16 881	$19 668	851	$20 568
EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS	561	33	24	80	108	80	71	143	22	$16 869	$18 829	397	$20 089
OFFICIALS AND ADMINISTRATORS, PUBLIC ADMINISTRATION	25	2	-	-	13	-	-	10	-	$14 130	$17 317	23	$14 449
ADMINISTRATORS, EDUCATION AND RELATED FIELDS	13	-	-	-	2	9	-	2	-	$16 393	$18 263	9	$15 439
MANAGERS, MEDICINE AND HEALTH	8	-	-	-	-	-	8	-	-	$20 453	$20 205	8	$20 453
OTHER SPECIFIED MANAGERS	69	6	-	-	19	8	13	23	-	$20 428	$18 928	40	$21 071
MANAGERS AND ADMINISTRATORS, N.E.C., SALARIED	255	11	15	30	33	31	40	76	19	$20 739	$21 705	198	$22 621
MANUFACTURING	20	-	3	-	2	6	-	7	2	$18 848	$22 997	20	$18 848
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	37	-	6	9	-	6	11	-	5	$17 542	$19 605	22	$21 491
WHOLESALE AND RETAIL TRADE	85	3	6	11	7	5	16	30	7	$22 939	$23 595	64	$24 172
ALL OTHER INDUSTRIES	113	8	-	10	24	14	13	39	5	$20 152	$20 743	92	$21 995
MANAGERS AND ADMINISTRATORS, N.E.C., SELF-EMPLOYED	19	12	-	4	-	-	-	-	3	$1 688	$14 292	7	$7 750
CONSTRUCTION	-	-	-	-	-	-	-	-	-	-	-	-	-
MANUFACTURING	-	-	-	-	-	-	-	-	-	-	-	-	-
WHOLESALE AND RETAIL TRADE	11	4	-	4	-	-	-	-	3	$6 750	$23 956	7	$7 750
ALL OTHER INDUSTRIES	8	8	-	-	-	-	-	-	-	$1 500	$1 005	-	-
MANAGEMENT RELATED OCCUPATIONS	172	2	9	46	41	32	10	32	-	$13 512	$15 224	112	*$15 855*
ACCOUNTANTS AND AUDITORS	30	-	-	18	6	6	-	-	-	$9 538	$11 549	18	$13 164
BUYERS AND PURCHASING AGENTS	38	2	3	8	11	4	10	-	-	$13 337	$12 664	25	$12 817
PROFESSIONAL SPECIALTY OCCUPATIONS	756	59	76	78	94	154	129	102	64	$16 877	$20 291	454	$20 873
ENGINEERS, ARCHITECTS, AND SURVEYORS	159	8	6	-	6	31	47	61	-	$22 543	$21 591	147	$23 244
ARCHITECTS	18	-	-	-	-	6	-	12	-	$25 202	$24 277	18	$25 202
ENGINEERS	141	8	6	-	6	25	47	49	-	$22 157	$21 248	129	$22 821
ELECTRICAL AND ELECTRONIC ENGINEERS	43	-	-	-	-	2	22	19	-	$24 119	$24 291	43	$24 119
MECHANICAL ENGINEERS	9	-	-	-	-	-	9	-	-	$20 453	$22 085	9	$20 453
OTHER ENGINEERS	89	8	6	-	6	23	16	30	-	$20 349	$19 693	77	$21 947
SURVEYORS AND MAPPING SCIENTISTS	-	-	-	-	-	-	-	-	-	-	-	-	-
MATHEMATICAL AND COMPUTER SCIENTISTS	30	-	-	-	-	12	7	11	-	$21 722	$22 158	30	$21 722
COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS	23	-	-	-	-	12	7	4	-	$19 656	$21 145	23	$19 656
NATURAL SCIENTISTS	9	-	-	-	-	-	-	9	-	$30 879	$32 005	9	$30 879
HEALTH DIAGNOSING OCCUPATIONS	94	-	-	11	23	-	-	9	51	$56 317	$48 678	75	$52 187
PHYSICIANS	88	-	-	11	19	-	-	7	51	$60 592	$50 412	69	$57 159
DENTISTS	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER HEALTH DIAGNOSING PRACTITIONERS	6	-	-	-	4	-	-	2	-	$11 500	$23 255	6	$11 500
HEALTH ASSESSMENT AND TREATING *OCCUPATIONS*	26	12	-	6	-	7	-	-	1	*$8 333*	*$9 728*	*14*	*$15 280*
REGISTERED NURSES	-	-	-	-	-	-	-	-	-	-	-	-	-
PHARMACISTS	1	-	-	-	-	-	-	-	1	$61 359	$62 015	1	$61 359
THERAPISTS	25	12	-	6	-	7	-	-	-	$8 167	$7 637	13	$15 051
TEACHERS, LIBRARIANS, AND COUNSELORS	240	14	44	43	35	62	35	7	-	$13 436	$12 624	63	$14 153
TEACHERS, POSTSECONDARY	57	8	12	13	5	9	8	2	-	$8 200	$11 141	13	$7 625
TEACHERS, ELEMENTARY AND PRE-KINDERGARTEN	69	-	-	12	16	14	27	-	-	$16 893	$16 103	25	$20 249
TEACHERS, SECONDARY	57	6	7	18	-	21	-	5	-	$7 722	$11 898	20	$7 818
SOCIAL SCIENTISTS AND URBAN PLANNERS	13	-	-	-	-	7	6	-	-	$19 413	$18 539	13	$19 413
SOCIAL AND RECREATION WORKERS	37	-	-	6	17	14	-	-	-	$11 471	$11 930	31	$11 824
RELIGIOUS WORKERS	6	-	6	-	-	-	-	-	-	$2 500	$2 705	6	$2 500
LAWYERS AND JUDGES	22	-	-	-	-	-	10	-	12	$60 185	$45 232	22	$60 185
WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES	120	25	20	12	13	21	24	5	-	$11 500	$11 685	44	$17 930
TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS	1 020	71	216	146	162	289	91	35	10	$12 752	$12 779	541	$15 935
TECHNICIANS AND RELATED SUPPORT OCCUPATIONS	166	7	35	14	26	37	28	9	10	$15 089	$18 589	99	$17 735
HEALTH TECHNOLOGISTS AND TECHNICIANS	37	7	-	-	12	4	9	-	5	$11 917	$23 763	25	$15 467
LICENSED PRACTICAL NURSES	-	-	-	-	-	-	-	-	-	-	-	-	-
ENGINEERING AND SCIENCE TECHNICIANS	93	-	28	10	10	26	12	5	2	$14 463	$16 039	52	$17 305
ELECTRICAL AND ELECTRONIC TECHNICIANS	32	-	5	-	-	13	12	2	-	$18 864	$18 208	27	$20 084
DRAFTING AND SURVEYING TECHNICIANS	31	-	6	10	5	7	-	3	-	$7 900	$11 763	12	$15 105
TECHNICIANS, EXCEPT HEALTH, ENGINEERING, AND SCIENCE	36	-	7	4	4	7	7	4	3	$16 734	$19 861	22	$21 615
AIRPLANE PILOTS AND NAVIGATORS	7	-	-	4	-	-	-	-	3	$7 750	$36 862	7	$7 750
COMPUTER PROGRAMMERS	11	-	-	-	4	-	7	-	-	$20 167	$18 369	11	$20 167
SALES OCCUPATIONS	261	24	59	37	39	68	18	16	-	$12 505	$11 958	127	$16 161
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS	25	2	5	-	5	12	-	1	-	$15 066	$12 978	12	$15 346
SELF-EMPLOYED	-	-	-	-	-	-	-	-	-	-	-	-	-
SALES REPRESENTATIVES, FINANCE AND BUSINESS SERVICES	59	7	7	-	17	22	6	-	-	*$14 575*	*$13 025*	*25*	*$14 488*
SALES REPRESENTATIVES, COMMODITIES, EXCEPT RETAIL	48	-	10	-	5	23	6	4	-	$16 196	$14 867	38	$17 134
SALES WORKERS, RETAIL AND PERSONAL SERVICES	129	15	37	37	12	11	6	11	-	$7 316	$10 189	52	$15 655
CASHIERS	25	4	13	8	-	-	-	-	-	$3 850	$4 653	3	$4 500
SALES RELATED OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 222. OCCUPATION OF THE EXPERIENCED CIVILIAN LABOR FORCE BY EARNINGS IN 1979, LABOR FORCE STATUS IN 1979, 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]

MINNESOTA

	PERSONS WITH EARNINGS IN 1979											WORKED YEAR ROUND FULL TIME IN 1979	
	16 YEARS AND OVER	$1 TO $1,999 OR LOSS	$2,000 TO $5,999	$6,000 TO $9,999	$10,000 TO $14,999	$15,000 TO $19,999	$20,000 TO $24,999	$25,000 TO $49,999	$50,000 OR MORE	MEDIAN EARNINGS	MEAN EARNINGS	TOTAL	MEDIAN EARNINGS
SPANISH ORIGIN													
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL	593	40	122	95	97	184	45	10	-	$12 467	$11 514	315	$15 571
SUPERVISORS, ADMINISTRATIVE SUPPORT OCCUPATIONS	33	7	-	-	6	14	-	6	-	$15 706	$14 862	26	$16 626
COMPUTER EQUIPMENT OPERATORS	21	7	7	6	-	1	-	-	-	$2 500	$3 955	7	$9 167
SECRETARIES, STENOGRAPHERS, AND TYPISTS	5	-	5	-	-	-	-	-	-	$2 500	$2 405	-	-
SECRETARIES	-	-	-	-	-	-	-	-	-	-	-	-	-
RECEPTIONISTS	6	-	6	-	-	-	-	-	-	$2 500	$2 285	-	-
FILE CLERKS	21	-	7	6	-	8	-	-	-	$7 167	$9 538	8	$15 439
FINANCIAL RECORDS PROCESSING OCCUPATIONS	12	-	2	5	-	-	5	-	-	$7 600	$11 329	10	$14 000
BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS	2	-	2	-	-	-	-	-	-	$2 500	$2 725	-	-
TELEPHONE OPERATORS	13	-	-	-	4	9	-	-	-	$15 216	$16 897	13	$15 216
MAIL AND MESSAGE DISTRIBUTING OCCUPATIONS	97	-	10	18	7	43	19	-	-	$15 923	$14 450	73	$17 063
TRAFFIC, SHIPPING, STOCK AND INVENTORY CLERKS	129	5	16	34	37	32	5	-	-	$12 037	$11 001	82	$13 614
INSURANCE ADJUSTERS, EXAMINERS, AND INVESTIGATORS	10	-	-	-	10	-	-	-	-	$12 272	$13 005	10	$12 272
BANK TELLERS	21	-	4	-	17	-	-	-	-	$10 765	$9 144	-	-
DATA-ENTRY KEYERS	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER ADMINISTRATIVE SUPPORT OCCUPATIONS	225	21	65	26	16	77	16	4	-	$12 078	$11 242	86	$15 491
SERVICE OCCUPATIONS	1 022	227	249	211	203	63	44	25	-	$6 864	$7 795	475	$11 734
PRIVATE HOUSEHOLD OCCUPATIONS	6	-	6	-	-	-	-	-	-	$3 500	$3 005	-	-
PROTECTIVE SERVICE OCCUPATIONS	101	6	3	7	10	31	29	15	-	$18 567	$17 436	85	$20 144
FIREFIGHTING OCCUPATIONS	9	-	-	-	2	-	-	7	-	$25 304	$24 205	9	$25 304
POLICE AND DETECTIVES, PUBLIC SERVICE	25	-	-	-	-	12	13	-	-	$20 028	$19 685	25	$20 028
GUARDS	24	6	-	7	2	2	6	1	-	$7 714	$10 571	11	$20 561
OTHER PROTECTIVE SERVICE OCCUPATIONS	43	-	3	-	6	17	10	7	-	$18 143	$18 542	40	$18 695
SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD	915	221	240	204	193	32	15	10	-	$5 944	$6 763	390	$10 419
FOOD PREPARATION AND SERVICE OCCUPATIONS	315	91	99	77	38	-	-	10	-	$4 845	$5 605	91	$8 538
WAITERS AND FOOD COUNTER WORKERS	41	-	18	6	7	-	-	10	-	$8 833	$11 670	23	$5 700
COOKS	120	38	39	31	12	-	-	-	-	$4 833	$4 954	29	$9 167
HEALTH SERVICE OCCUPATIONS	81	32	8	36	5	-	-	-	-	$6 200	$5 565	43	$8 862
NURSING AIDES, ORDERLIES, AND ATTENDANTS	69	32	8	24	5	-	-	-	-	$3 313	$4 827	31	$8 765
CLEANING AND BUILDING SERVICE OCCUPATIONS EXC. HOUSEHOLD	463	87	128	69	143	26	10	-	-	$7 269	$7 546	227	$11 651
PERSONAL SERVICE OCCUPATIONS	56	11	5	22	7	6	5	-	-	$8 947	$8 528	29	$11 000
BARBERS, HAIRDRESSERS AND COSMETOLOGISTS	41	6	5	19	-	6	5	-	-	$9 000	$9 301	22	$10 000
FARMING, FORESTRY, AND FISHING OCCUPATIONS	193	38	57	21	39	25	11	2	-	$6 214	$7 946	111	$10 083
FARM OPERATORS AND MANAGERS	55	9	18	7	8	6	5	2	-	$8 143	$8 881	48	$5 500
FARM OCCUPATIONS, EXCEPT MANAGERIAL	93	11	31	12	23	10	6	-	-	$6 750	$8 047	36	$12 673
RELATED AGRICULTURAL OCCUPATIONS	43	16	8	2	8	9	-	-	-	$3 583	$6 868	25	$11 125
FORESTRY AND FISHING OCCUPATIONS	2	2	-	-	-	-	-	-	-	$1,000-	$705	2	$1,000-
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS	1 054	70	72	109	235	267	177	124	-	$15 518	$15 079	653	$16 626
MECHANICS AND REPAIRERS	325	30	35	37	64	83	42	34	-	$14 705	$14 273	227	$16 184
AUTOMOBILE MECHANICS, INCLUDING BODY	58	9	14	4	12	10	-	9	-	$11 000	$11 280	33	$15 837
AIRCRAFT MECHANICS	6	-	-	-	-	-	-	6	-	$30 879	$36 505	6	$30 879
HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS	7	-	-	-	-	7	-	-	-	$15 439	$15 125	-	-
OTHER MECHANICS AND REPAIRERS	254	21	21	33	52	66	42	19	-	$15 000	$14 408	188	$16 011
CONSTRUCTION TRADES	294	22	21	18	70	50	64	49	-	$16 268	$15 736	108	$17 107
CARPENTERS	65	-	4	6	14	5	28	8	-	$20 306	$17 098	22	$12 000
ELECTRICIANS	18	-	1	-	4	2	-	11	-	$25 143	$20 436	5	$18 231
PAINTERS, CONSTRUCTION AND MAINTENANCE	16	5	2	2	-	-	-	7	-	$9 000	$12 744	-	-
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	30	-	1	3	9	11	4	2	-	$15 528	$14 480	19	$16 568
OTHER CONSTRUCTION TRADES	165	17	13	7	43	32	32	21	-	$15 275	$15 206	62	$17 751
EXTRACTIVE OCCUPATIONS	16	-	-	11	-	-	2	3	-	$7 778	$13 404	5	$25 130
PRECISION PRODUCTION OCCUPATIONS	419	18	16	43	101	134	69	38	-	$15 763	$15 306	313	$16 657
SUPERVISORS, PRODUCTION OCCUPATIONS	137	-	-	6	20	61	34	16	-	$17 853	$18 229	87	$20 108
MANUFACTURING	115	-	-	6	18	45	34	12	-	$18 204	$18 108	74	$20 261
PRECISION METALWORKING OCCUPATIONS	71	-	-	9	21	19	7	15	-	$16 032	$17 380	64	$16 820
TOOL AND DIE MAKERS	12	-	-	-	-	2	-	10	-	$25 349	$25 255	12	$25 349
MACHINISTS	54	-	-	9	21	17	7	-	-	$14 386	$14 924	47	$15 074
SHEET METAL WORKERS	5	-	-	-	-	-	-	5	-	$25 462	$25 005	5	$25 462
OTHER PRECISION METAL WORKERS	-	-	-	-	-	-	-	-	-	-	-	-	-
PRECISION TEXTILE, APPAREL, AND FURNISHINGS MACHINE WORKERS	24	8	5	-	11	-	-	-	-	$5 800	$5 928	16	$10 545
PLANT AND SYSTEM OPERATORS	15	-	-	-	4	11	-	-	-	$15 253	$15 416	15	$15 253
OTHER PRECISION PRODUCTION OCCUPATIONS	172	10	11	28	45	43	28	7	-	$13 431	$13 421	131	$15 245

TABLE 222. OCCUPATION OF THE EXPERIENCED CIVILIAN LABOR FORCE BY EARNINGS IN 1979, LABOR FORCE STATUS IN 1979, 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]

MINNESOTA

	PERSONS WITH EARNINGS IN 1979											WORKED YEAR ROUND FULL TIME IN 1979	
	16 YEARS AND OVER	$1 TO $1,999 OR LOSS	$2,000 TO $5,999	$6,000 TO $9,999	$10,000 TO $14,999	$15,000 TO $19,999	$20,000 TO $24,999	$25,000 TO $49,999	$50,000 OR MORE	MEDIAN EARNINGS	MEAN EARNINGS	TOTAL	MEDIAN EARNINGS
SPANISH ORIGIN													
OPERATORS, FABRICATORS, AND LABORERS	2 302	189	343	396	543	508	197	118	8	$12 090	$12 083	1 212	$15 331
MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS	1 219	76	146	222	333	322	73	41	6	*$12 509*	*$12 127*	*744*	*$15 053*
MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION	851	52	82	162	233	230	45	41	6	$12 760	$12 632	547	$14 730
METALWORKING AND PLASTIC WORKING MACHINE OPERATORS	105	2	-	32	27	32	-	6	6	$13 502	$15 022	60	$14 179
PRINTING MACHINE OPERATORS	91	11	10	2	47	-	16	5	-	$12 349	$12 149	70	$12 322
TEXTILE, APPAREL, AND FURNISHINGS MACHINE OPERATORS	34	-	4	24	-	6	-	-	-	$7 368	$8 956	30	$7 579
TEXTILE MACHINE OPERATORS	4	-	4	-	-	-	-	-	-	*$3 500*	*$3 805*	-	-
TEXTILE SEWING MACHINE OPERATORS	6	-	-	-	-	6	-	-	-	$15 439	$18 005	6	$15 439
LAUNDERING AND DRYCLEANING MACHINE OPERATORS	18	-	-	18	-	-	-	-	-	$7 385	$7 669	18	$7 385
OTHER SPECIFIED MACHINE OPERATORS	295	16	21	40	85	117	5	11	-	$14 086	$12 943	204	$15 369
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS	326	23	47	64	74	75	24	19	-	$11 813	$12 099	183	$15 126
OCCUPATION:													
MISCELLANEOUS MACHINE OPERATORS, N.E.C.	70	10	8	6	29	17	-	-	-	$12 000	$10 310	28	$15 131
MACHINE OPERATORS, NOT SPECIFIED	256	13	39	58	45	58	24	19	-	$11 714	$12 589	155	$15 025
INDUSTRY:													
MANUFACTURING	294	18	39	64	63	67	24	19	-	$12 280	$12 364	164	$15 213
NONDURABLE GOODS	111	8	14	27	23	28	6	5	-	$11 857	$12 154	65	$15 035
FOOD AND KINDRED PRODUCTS	69	-	14	12	9	23	6	5	-	$14 793	$13 921	37	$16 075
TEXTILE MILL AND FINISHED TEXTILE PRODUCTS	-	-	-	-	-	-	-	-	-	-	-	-	-
PAPER AND ALLIED PRODUCTS	21	-	-	9	7	5	-	-	-	$12 415	$11 672	21	$12 415
OTHER NONDURABLE GOODS	21	8	-	6	7	-	-	-	-	$8 833	$6 831	7	$11 000
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG	183	10	25	37	40	39	18	14	-	$12 512	$12 491	99	$15 403
METAL INDUSTRIES	39	-	10	11	10	2	6	-	-	$9 727	$9 953	19	$10 500
MACHINERY, INCLUDING ELECTRICAL	85	-	8	12	27	19	5	14	-	$14 229	$14 851	49	$16 576
TRANSPORTATION EQUIPMENT	16	-	7	-	-	2	7	-	-	$17 165	$12 080	9	$20 298
OTHER DURABLE GOODS	43	10	-	14	3	16	-	-	-	$9 583	$10 283	22	$9 833
NONMANUFACTURING INDUSTRIES	32	5	8	-	11	8	-	-	-	$10 545	$9 668	19	$11 727
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	2	-	-	-	2	-	-	-	-	$11 000	$10 005	2	$11 000
WHOLESALE AND RETAIL TRADE	17	-	-	-	9	8	-	-	-	$11 889	$14 236	17	$11 889
ALL OTHER INDUSTRIES	13	5	8	-	-	-	-	-	-	$4 188	$3 643	-	-
FABRICATORS, ASSEMBLERS, AND HAND WORKING OCCUPATIONS	314	18	59	51	92	80	14	-	-	$12 000	$10 676	163	$15 073
WELDERS AND CUTTERS	124	-	2	29	29	57	7	-	-	$15 062	$13 289	79	$15 220
ASSEMBLERS	163	16	49	22	60	16	-	-	-	$9 500	$8 494	69	$12 752
OTHER FABRICATORS AND HAND WORKING OCCUPATIONS	27	2	8	-	3	7	7	-	-	$15 228	$11 854	15	$19 435
PRODUCTION INSPECTORS, TESTERS, SAMPLERS, AND WEIGHERS	54	6	5	9	8	12	14	-	-	$11 750	$12 604	34	$18 274
TRANSPORTATION AND MATERIAL MOVING *OCCUPATIONS*	421	34	49	41	74	81	75	65	2	$15 562	$15 321	217	$20 195
MOTOR VEHICLE OPERATORS	277	14	41	38	43	48	42	49	2	*$15 187*	*$15 301*	*136*	*$21 301*
TRUCK DRIVERS AND DRIVER-SALES WORKERS	211	4	27	38	32	32	36	40	2	$15 534	$16 023	103	$22 692
BUS DRIVERS	31	3	3	-	-	16	-	9	-	$17 161	$18 251	22	$17 488
RAIL AND WATER TRANSPORTATION OCCUPATIONS	25	-	-	-	9	2	3	11	-	$22 211	$20 677	10	$25 130
MATERIAL MOVING EQUIPMENT OPERATORS	119	20	8	3	22	31	30	5	-	$15 722	$14 243	71	$17 363
EXCAVATING, GRADING, AND DOZER MACHINE OPERATORS	18	7	-	3	-	-	8	-	-	$9 333	$10 931	8	$20 453
HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS	662	79	148	133	136	105	49	12	-	$8 766	$9 941	251	$14 446
CONSTRUCTION LABORERS	108	8	7	25	38	30	-	-	-	$11 474	$11 209	27	$15 192
FREIGHT, STOCK, AND MATERIAL HANDLERS	155	21	53	25	22	21	7	6	-	$6 368	$8 698	36	$7 867
GARAGE AND SERVICE STATION RELATED OCCUPATIONS	33	5	18	9	1	-	-	-	-	$4 458	$4 944	3	$9 500
HAND PACKERS AND PACKAGERS	25	2	-	-	13	6	4	-	-	$14 130	$14 683	19	$13 723
OTHER SPECIFIED HANDLERS, EQUIPMENT CLEANERS, AND HELPERS	63	13	16	3	12	5	14	-	-	$9 000	$10 318	17	$20 041
LABORERS, EXCEPT CONSTRUCTION	278	30	54	71	50	43	24	6	-	$8 118	$10 223	149	$14 341
MANUFACTURING	190	24	36	55	39	13	17	6	-	$7 842	$9 665	97	$12 889
NONDURABLE GOODS	103	23	16	36	16	2	10	-	-	$7 000	$7 670	39	$9 125
DURABLE GOODS, INCLUDING NOT *SPECIFIED MFG.*	87	1	20	19	23	11	7	6	-	$12 312	$12 028	58	$14 087
METAL INDUSTRIES	40	-	6	13	*10*	4	7	-	-	*$12 204*	*$12 164*	27	$13 977
NONMANUFACTURING INDUSTRIES	88	6	18	16	11	30	7	-	-	$11 333	$11 426	52	$15 943
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	44	4	-	5	11	17	7	-	-	$15 308	$13 770	39	$15 745
WHOLESALE AND RETAIL TRADE	25	2	6	11	-	6	-	-	-	$6 818	$8 637	6	$15 439
ALL OTHER INDUSTRIES	19	-	12	-	-	7	-	-	-	$4 722	$9 667	7	$15 439
EXPERIENCED UNEMPLOYED NOT CLASSIFIED BY OCCUPATION	12	-	6	6	-	-	-	-	-	$5 500	$6 005	6	$7 000

TABLE 222. OCCUPATION OF THE EXPERIENCED CIVILIAN LABOR FORCE BY EARNINGS IN 1979, LABOR FORCE STATUS IN 1979, SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

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MINNESOTA

	PERSONS WITH EARNINGS IN 1979											WORKED YEAR ROUND FULL TIME IN 1979	
	16 YEARS AND OVER	$1 TO $1,999 OR LOSS	$2,000 TO $5,999	$6,000 TO $9,999	$10,000 TO $14,999	$15,000 TO $19,999	$20,000 TO $24,999	$25,000 TO $49,999	$50,000 OR MORE	MEDIAN EARNINGS	MEAN EARNINGS	TOTAL	MEDIAN EARNINGS
SPANISH ORIGIN													
FEMALE EXPERIENCED CIVILIAN LABOR FORCE	5 008	933	1 471	1 356	810	332	85	13	8	$6 264	$6 854	1 987	$9 684
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS	716	69	179	160	141	110	57	-	-	$8 630	$9 414	310	$12 186
EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS	200	10	82	24	59	7	18	-	-	$6 842	$8 409	108	$11 852
OFFICIALS AND ADMINISTRATORS, PUBLIC ADMINISTRATION	10	-	-	-	10	-	-	-	-	$11 000	$10 005	10	$11 000
ADMINISTRATORS, EDUCATION AND RELATED FIELDS	2	-	2	-	-	-	-	-	-	$3 500	$3 285	-	-
MANAGERS, MEDICINE AND HEALTH	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER SPECIFIED MANAGERS	34	2	11	2	7	-	12	-	-	$12 666	$11 629	23	$20 030
MANAGERS AND ADMINISTRATORS, N.E.C., SALARIED	97	-	50	14	31	-	2	-	-	$5 833	$7 182	43	$11 250
MANUFACTURING	-	-	-	-	-	-	-	-	-	-	-	-	-
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	15	-	-	-	15	-	-	-	-	$12 272	$12 005	15	$12 272
WHOLESALE AND RETAIL TRADE	36	-	28	6	2	-	-	-	-	$4 733	$5 390	14	$5 833
ALL OTHER INDUSTRIES	46	-	22	8	14	-	2	-	-	$6 250	$7 011	14	$11 167
MANAGERS AND ADMINISTRATORS, N.E.C., SELF-EMPLOYED	2	2	-	-	-	-	-	-	-	$1 500	$1 310	2	$1 500
CONSTRUCTION	-	-	-	-	-	-	-	-	-	-	-	-	-
MANUFACTURING	-	-	-	-	-	-	-	-	-	-	-	-	-
WHOLESALE AND RETAIL TRADE	2	2	-	-	-	-	-	-	-	$1 500	$1 310	2	$1 500
ALL OTHER INDUSTRIES	-	-	-	-	-	-	-	-	-	-	-	-	-
MANAGEMENT RELATED OCCUPATIONS	55	6	19	8	11	7	4	-	-	$7 667	$8 737	30	$12 470
ACCOUNTANTS AND AUDITORS	39	-	19	8	5	7	-	-	-	$6 333	$8 134	21	$12 682
BUYERS AND PURCHASING AGENTS	9	-	-	-	5	-	4	-	-	$11 800	$15 783	9	$11 800
PROFESSIONAL SPECIALTY OCCUPATIONS	516	59	97	136	82	103	39	-	-	$9 000	$9 804	202	$12 522
ENGINEERS, ARCHITECTS, AND SURVEYORS	15	-	-	-	15	-	-	-	-	$12 077	$12 173	15	$12 077
ARCHITECTS	-	-	-	-	-	-	-	-	-	-	-	-	-
ENGINEERS	15	-	-	-	15	-	-	-	-	$12 077	$12 173	15	$12 077
ELECTRICAL AND ELECTRONIC ENGINEERS	-	-	-	-	-	-	-	-	-	-	-	-	-
MECHANICAL ENGINEERS	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER ENGINEERS	15	-	-	-	15	-	-	-	-	$12 077	$12 173	15	$12 077
SURVEYORS AND MAPPING SCIENTISTS	-	-	-	-	-	-	-	-	-	-	-	-	-
MATHEMATICAL AND COMPUTER SCIENTISTS	23	-	-	-	13	10	-	-	-	$14 144	$13 299	13	$12 032
COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS	23	-	-	-	13	10	-	-	-	$14 144	$13 299	13	$12 032
NATURAL SCIENTISTS	-	-	-	-	-	-	-	-	-	-	-	-	-
HEALTH DIAGNOSING OCCUPATIONS	12	-	-	12	-	-	-	-	-	$7 000	$6 660	6	$7 000
PHYSICIANS	12	-	-	12	-	-	-	-	-	$7 000	$6 660	6	$7 000
DENTISTS	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER HEALTH DIAGNOSING PRACTITIONERS	-	-	-	-	-	-	-	-	-	-	-	-	-
HEALTH ASSESSMENT AND TREATING OCCUPATIONS	96	-	24	29	9	30	4	-	-	$9 655	$11 066	52	$12 409
REGISTERED NURSES	78	-	22	19	9	24	4	-	-	$9 789	$10 872	34	$13 805
PHARMACISTS	-	-	-	-	-	-	-	-	-	-	-	-	-
THERAPISTS	12	-	2	10	-	-	-	-	-	$8 800	$8 309	12	$8 800
TEACHERS, LIBRARIANS, AND COUNSELORS	206	47	44	48	20	37	10	-	-	$6 750	$7 970	42	$14 131
TEACHERS, POSTSECONDARY	44	19	-	12	-	9	4	-	-	$6 857	$7 521	18	$16 409
TEACHERS, ELEMENTARY AND PRE-KINDERGARTEN	51	2	18	7	12	6	6	-	-	$9 400	$10 010	7	$9 400
TEACHERS, SECONDARY	64	21	7	13	8	15	-	-	-	$7 143	$7 865	2	$12 272
SOCIAL SCIENTISTS AND URBAN PLANNERS	12	-	-	-	-	-	12	-	-	$20 453	$23 405	12	$20 453
SOCIAL AND RECREATION WORKERS	37	-	5	16	12	-	4	-	-	$7 688	$9 470	22	$7 375
RELIGIOUS WORKERS	13	-	2	11	-	-	-	-	-	$8 818	$7 320	11	$9 000
LAWYERS AND JUDGES	13	-	-	-	13	-	-	-	-	$12 032	$11 190	-	-
WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES	89	12	22	20	-	26	9	-	-	$8 417	$10 273	29	$16 182
TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS	1 983	408	572	603	292	74	21	13	-	$6 082	$6 473	807	$9 542
TECHNICIANS AND RELATED SUPPORT OCCUPATIONS	108	18	25	38	11	3	-	13	-	$8 071	$9 047	30	$16 403
HEALTH TECHNOLOGISTS AND TECHNICIANS	49	7	20	14	8	-	-	-	-	$5 643	$6 341	4	$11 000
LICENSED PRACTICAL NURSES	34	7	13	14	-	-	-	-	-	$5 571	$5 132	2	$9 000
ENGINEERING AND SCIENCE TECHNICIANS	25	6	-	7	3	3	-	6	-	$9 857	$12 168	12	$22 500
ELECTRICAL AND ELECTRONIC TECHNICIANS	6	-	-	-	-	-	-	6	-	$25 462	$25 680	6	$25 462
DRAFTING AND SURVEYING TECHNICIANS	9	6	-	-	3	-	-	-	-	$1 750	$4 005	3	$11 000
TECHNICIANS, EXCEPT HEALTH, ENGINEERING, AND SCIENCE	34	5	5	17	-	-	-	7	-	$8 824	$10 651	14	$17 500
AIRPLANE PILOTS AND NAVIGATORS	-	-	-	-	-	-	-	-	-	-	-	-	-
COMPUTER PROGRAMMERS	15	5	-	10	-	-	-	-	-	$8 500	$6 305	-	-
SALES OCCUPATIONS	411	118	177	59	29	21	7	-	-	$3 380	$4 880	107	$9 154
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS	6	2	-	4	-	-	-	-	-	$6 500	$5 580	6	$6 500
SELF-EMPLOYED	2	2	-	-	-	-	-	-	-	$1 500	$1 730	2	$1 500
SALES REPRESENTATIVES, FINANCE AND BUSINESS SERVICES	54	5	14	-	21	7	7	-	-	$12 141	$10 764	30	$14 671
SALES REPRESENTATIVES, COMMODITIES, EXCEPT RETAIL	10	-	-	2	-	8	-	-	-	$15 306	$14 373	8	$15 439
SALES WORKERS, RETAIL AND PERSONAL SERVICES	341	111	163	53	8	6	-	-	-	$2 960	$3 658	63	$6 917
CASHIERS	153	46	65	30	6	6	-	-	-	$3 250	$4 192	30	$9 000
SALES RELATED OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 222. OCCUPATION OF THE EXPERIENCED CIVILIAN LABOR FORCE BY EARNINGS IN 1979, LABOR FORCE STATUS IN 1979, 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]

MINNESOTA

	PERSONS WITH EARNINGS IN 1979											WORKED YEAR ROUND FULL TIME IN 1979	
	16 YEARS AND OVER	$1 TO $1,999 OR LOSS	$2,000 TO $5,999	$6,000 TO $9,999	$10,000 TO $14,999	$15,000 TO $19,999	$20,000 TO $24,999	$25,000 TO $49,999	$50,000 OR MORE	MEDIAN EARNINGS	MEAN EARNINGS	TOTAL	MEDIAN EARNINGS
SPANISH ORIGIN													
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL	1 464	272	370	506	252	50	14	-	-	$6 756	$6 731	670	$9 491
SUPERVISORS, ADMINISTRATIVE SUPPORT OCCUPATIONS	20	-	-	-	-	6	14	-	-	$20 231	$20 129	20	$20 231
COMPUTER EQUIPMENT OPERATORS	64	-	17	14	27	6	-	-	-	$10 222	$9 827	39	$12 408
SECRETARIES, STENOGRAPHERS, AND TYPISTS	449	85	115	197	52	-	-	-	-	$6 563	$6 038	187	$8 793
SECRETARIES	271	49	56	121	45	-	-	-	-	$6 953	$6 383	100	$9 255
RECEPTIONISTS	83	42	19	9	13	-	-	-	-	$1 962	$3 662	18	$4 714
FILE CLERKS	60	22	5	21	12	-	-	-	-	$6 462	$5 357	26	$9 750
FINANCIAL RECORDS PROCESSING OCCUPATIONS	174	49	45	58	22	-	-	-	-	$5 696	$5 401	75	$7 870
BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS	127	43	23	39	22	-	-	-	-	$5 844	$5 468	57	$9 071
TELEPHONE OPERATORS	20	-	5	12	3	-	-	-	-	$6 833	$7 152	3	$12 119
MAIL AND MESSAGE DISTRIBUTING OCCUPATIONS	41	9	9	-	-	23	-	-	-	$15 079	$12 003	23	$15 439
TRAFFIC, SHIPPING, STOCK AND INVENTORY CLERKS	33	-	-	14	11	8	-	-	-	$11 000	$11 608	27	$9 929
INSURANCE ADJUSTERS, EXAMINERS, AND INVESTIGATORS	7	-	-	7	-	-	-	-	-	$9 000	$9 605	7	$9 000
BANK TELLERS	42	-	27	15	-	-	-	-	-	$5 455	$5 939	17	$8 300
DATA-ENTRY KEYERS	97	-	7	61	29	-	-	-	-	$8 818	$8 697	65	$9 720
OTHER ADMINISTRATIVE SUPPORT OCCUPATIONS	374	65	121	98	83	7	-	-	-	$6 054	$6 330	163	$10 070
SERVICE OCCUPATIONS	1 116	282	485	263	54	30	2	-	-	$3 597	$4 469	286	$7 371
PRIVATE HOUSEHOLD OCCUPATIONS	47	18	8	21	-	-	-	-	-	$3 688	$3 987	22	$6 706
PROTECTIVE SERVICE OCCUPATIONS	30	5	13	7	-	3	2	-	-	$3 500	$6 283	5	$18 647
FIREFIGHTING OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-	-
POLICE AND DETECTIVES, PUBLIC SERVICE	2	-	-	-	-	-	2	-	-	$20 453	$22 505	2	$20 453
GUARDS	23	-	13	7	-	3	-	-	-	$3 750	$5 912	3	$15 439
OTHER PROTECTIVE SERVICE OCCUPATIONS	5	5	-	-	-	-	-	-	-	$1 500	$1 505	-	-
SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD	1 039	259	464	235	54	27	-	-	-	$3 596	$4 439	259	$7 430
FOOD PREPARATION AND SERVICE OCCUPATIONS	411	132	196	67	16	-	-	-	-	$2 980	$3 568	63	$7 522
WAITERS AND FOOD COUNTER WORKERS	159	65	63	26	5	-	-	-	-	$2 604	$3 311	20	$7 333
COOKS	104	31	43	23	7	-	-	-	-	$3 333	$4 114	17	$9 500
HEALTH SERVICE OCCUPATIONS	251	34	128	81	8	-	-	-	-	$4 016	$4 674	84	$7 480
NURSING AIDES, ORDERLIES, AND ATTENDANTS	186	34	83	61	8	-	-	-	-	$4 308	$4 769	66	$7 366
CLEANING AND BUILDING SERVICE OCCUPATIONS EXC. HOUSEHOLD	123	31	57	20	9	6	-	-	-	$3 346	$4 775	54	$7 000
PERSONAL SERVICE OCCUPATIONS	254	62	83	67	21	21	-	-	-	$5 100	$5 453	58	$7 455
BARBERS, HAIRDRESSERS AND COSMETOLOGISTS	35	-	9	20	6	-	-	-	-	$7 214	$7 375	15	$7 875
FARMING, FORESTRY, AND FISHING OCCUPATIONS	65	46	16	3	-	-	-	-	-	$1 413	$2 003	18	$1 600
FARM OPERATORS AND MANAGERS	28	21	6	1	-	-	-	-	-	$1 125	$2 029	14	$1 500
FARM OCCUPATIONS, EXCEPT MANAGERIAL	25	21	4	-	-	-	-	-	-	$1 227	$1 354	4	$2 500
RELATED AGRICULTURAL OCCUPATIONS	10	4	6	-	-	-	-	-	-	$3 167	$2 225	-	-
FORESTRY AND FISHING OCCUPATIONS	2	-	-	2	-	-	-	-	-	$9 000	$8 645	-	-
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS	183	13	27	70	43	30	-	-	-	$9 213	$9 267	105	$9 686
MECHANICS AND REPAIRERS	23	-	-	6	10	7	-	-	-	$11 100	$12 353	10	$11 000
AUTOMOBILE MECHANICS, INCLUDING BODY	-	-	-	-	-	-	-	-	-	-	-	-	-
AIRCRAFT MECHANICS	-	-	-	-	-	-	-	-	-	-	-	-	-
HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER MECHANICS AND REPAIRERS	23	-	-	6	10	7	-	-	-	$11 100	$12 353	10	$11 000
CONSTRUCTION TRADES	7	-	7	-	-	-	-	-	-	$2 500	$2 255	-	-
CARPENTERS	-	-	-	-	-	-	-	-	-	-	-	-	-
ELECTRICIANS	-	-	-	-	-	-	-	-	-	-	-	-	-
PAINTERS, CONSTRUCTION AND MAINTENANCE	-	-	-	-	-	-	-	-	-	-	-	-	-
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER CONSTRUCTION TRADES	7	-	7	-	-	-	-	-	-	$2 500	$2 255	-	-
EXTRACTIVE OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-	-
PRECISION PRODUCTION OCCUPATIONS	153	13	20	64	33	23	-	-	-	$9 000	$9 124	95	$9 400
SUPERVISORS, PRODUCTION OCCUPATIONS	42	-	2	13	14	13	-	-	-	$12 957	$12 818	26	$12 500
MANUFACTURING	26	-	-	6	7	13	-	-	-	$15 000	$13 945	19	$15 209
PRECISION METALWORKING OCCUPATIONS	10	-	-	-	-	10	-	-	-	$15 439	$15 560	5	$15 439
TOOL AND DIE MAKERS	-	-	-	-	-	-	-	-	-	-	-	-	-
MACHINISTS	5	-	-	-	-	5	-	-	-	$15 439	$15 005	-	-
SHEET METAL WORKERS	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER PRECISION METAL WORKERS	5	-	-	-	-	5	-	-	-	$15 439	$16 115	5	$15 439
PRECISION TEXTILE, APPAREL, AND FURNISHINGS MACHINE WORKERS	9	2	-	-	7	-	-	-	-	$10 714	$8 412	7	$11 000
PLANT AND SYSTEM OPERATORS	12	-	-	-	12	-	-	-	-	$12 000	$12 005	12	$12 000
OTHER PRECISION PRODUCTION OCCUPATIONS	80	11	18	51	-	-	-	-	-	$6 957	$6 029	45	$7 929

TABLE 222. OCCUPATION OF THE EXPERIENCED CIVILIAN LABOR FORCE BY EARNINGS IN 1979, LABOR FORCE STATUS IN 1979, 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]

MINNESOTA

	PERSONS WITH EARNINGS IN 1979											WORKED YEAR ROUND FULL TIME IN 1979	
	16 YEARS AND OVER	$1 TO $1,999 OR LOSS	$2,000 TO $5,999	$6,000 TO $9,999	$10,000 TO $14,999	$15,000 TO $19,999	$20,000 TO $24,999	$25,000 TO $49,999	$50,000 OR MORE	MEDIAN EARNINGS	MEAN EARNINGS	TOTAL	MEDIAN EARNINGS
SPANISH ORIGIN													
OPERATORS, FABRICATORS, AND LABORERS	945	115	192	257	280	88	5	-	8	$7 994	$8 393	461	$10 786
MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS	714	69	118	208	233	73	5	-	8	$9 013	$9 149	381	$10 882
MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION	338	38	68	105	95	27	5	-	-	$7 416	$8 115	173	$9 813
METALWORKING AND PLASTIC WORKING MACHINE OPERATORS	13	2	3	2	6	-	-	-	-	$7 500	$7 473	6	$11 000
PRINTING MACHINE OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-	-
TEXTILE, APPAREL, AND FURNISHINGS MACHINE OPERATORS	97	8	33	50	-	6	-	-	-	$6 441	$6 344	53	$7 250
TEXTILE MACHINE OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-	-
TEXTILE SEWING MACHINE OPERATORS	42	6	6	30	-	-	-	-	-	$6 857	$6 019	21	$7 750
LAUNDERING AND DRYCLEANING MACHINE OPERATORS	34	-	15	13	-	6	-	-	-	$6 308	$7 444	13	$5 929
OTHER SPECIFIED MACHINE OPERATORS	31	2	4	6	19	-	-	-	-	$10 700	$9 130	11	$10 900
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS	197	26	28	47	70	21	5	-	-	$7 894	$8 869	103	$10 920
OCCUPATION:													
MISCELLANEOUS MACHINE OPERATORS, N.E.C.	62	-	16	18	12	16	-	-	-	$7 667	$9 588	31	$7 700
MACHINE OPERATORS, NOT SPECIFIED	135	26	12	29	58	5	5	-	-	$10 030	$8 539	72	$11 368
INDUSTRY:													
MANUFACTURING	167	24	23	47	52	21	-	-	-	$7 553	$8 457	85	$10 417
NONDURABLE GOODS	125	12	11	29	52	21	-	-	-	$10 808	$9 795	61	$12 229
FOOD AND KINDRED PRODUCTS	73	5	11	25	32	-	-	-	-	$7 640	$8 199	35	$10 250
TEXTILE MILL AND FINISHED TEXTILE PRODUCTS	-	-	-	-	-	-	-	-	-	-	-	-	-
PAPER AND ALLIED PRODUCTS	9	-	-	4	-	5	-	-	-	$15 072	$11 449	5	$15 439
OTHER NONDURABLE GOODS	43	7	-	-	20	16	-	-	-	$13 426	$12 159	21	$14 086
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG	42	12	12	18	-	-	-	-	-	$5 500	$4 473	24	$6 667
METAL INDUSTRIES	10	-	-	10	-	-	-	-	-	$7 000	$6 740	10	$7 000
MACHINERY, INCLUDING ELECTRICAL	-	-	-	-	-	-	-	-	-	-	-	-	-
TRANSPORTATION EQUIPMENT	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER DURABLE GOODS	32	12	12	8	-	-	-	-	-	$3 667	$3 765	14	$6 250
NONMANUFACTURING INDUSTRIES	30	2	5	-	18	-	5	-	-	$11 231	$11 164	18	$11 385
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	5	-	-	-	-	-	5	-	-	$20 453	$24 005	-	-
WHOLESALE AND RETAIL TRADE	5	-	-	-	5	-	-	-	-	$12 272	$12 005	5	$12 272
ALL OTHER INDUSTRIES	20	2	5	-	13	-	-	-	-	$10 462	$7 743	13	$11 000
FABRICATORS, ASSEMBLERS, AND HAND WORKING OCCUPATIONS	288	27	42	83	103	25	-	-	8	$9 628	$9 948	153	$11 870
WELDERS AND CUTTERS	5	5	-	-	-	-	-	-	-	$1 500	$1 905	-	-
ASSEMBLERS	242	10	41	79	84	20	-	-	8	$9 581	$10 241	129	$10 826
OTHER FABRICATORS AND HAND WORKING OCCUPATIONS	41	12	1	4	19	5	-	-	-	$12 272	$9 198	24	$13 244
PRODUCTION INSPECTORS, TESTERS, SAMPLERS, AND WEIGHERS	88	4	8	20	35	21	-	-	-	$10 857	$10 506	55	$11 667
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	24	1	15	-	-	8	-	-	-	$4 429	$7 357	8	$15 439
MOTOR VEHICLE OPERATORS	16	1	15	-	-	-	-	-	-	$2 875	$3 033	-	-
TRUCK DRIVERS AND DRIVER-SALES WORKERS	-	-	-	-	-	-	-	-	-	-	-	-	-
BUS DRIVERS	16	1	15	-	-	-	-	-	-	$2 875	$3 033	-	-
RAIL AND WATER TRANSPORTATION OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-	-
MATERIAL MOVING EQUIPMENT OPERATORS	8	-	-	-	-	8	-	-	-	$15 439	$16 005	8	$15 439
EXCAVATING, GRADING, AND DOZER MACHINE OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-	-
HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS	207	45	59	49	47	7	-	-	-	$5 972	$5 907	72	$9 571
CONSTRUCTION LABORERS	-	-	-	-	-	-	-	-	-	-	-	-	-
FREIGHT, STOCK, AND MATERIAL HANDLERS	9	2	7	-	-	-	-	-	-	$4 357	$3 247	-	-
GARAGE AND SERVICE STATION RELATED OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-	-
HAND PACKERS AND PACKAGERS	57	2	32	11	5	7	-	-	-	$5 500	$6 395	16	$14 193
OTHER SPECIFIED HANDLERS, EQUIPMENT CLEANERS, AND HELPERS	33	18	5	10	-	-	-	-	-	$1,000-	$3 027	18	$6 400
LABORERS, EXCEPT CONSTRUCTION	108	23	15	28	42	-	-	-	-	$7 391	$6 751	38	$10 308
MANUFACTURING	76	12	15	23	26	-	-	-	-	$6 957	$6 836	26	$10 333
NONDURABLE GOODS	35	6	15	2	12	-	-	-	-	$5 500	$6 006	2	$7 000
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG.	41	6	-	21	14	-	-	-	-	$7 381	$7 545	24	$10 667
METAL INDUSTRIES	16	6	-	10	-	-	-	-	-	$6 400	$4 815	10	$7 000
NONMANUFACTURING INDUSTRIES	32	11	-	5	16	-	-	-	-	$10 000	$6 550	12	$10 286
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	9	-	-	-	9	-	-	-	-	$11 000	$10 005	-	-
WHOLESALE AND RETAIL TRADE	5	5	-	-	-	-	-	-	-	$1,000-	$455	-	-
ALL OTHER INDUSTRIES	18	6	-	5	7	-	-	-	-	$9 200	$6 516	12	$10 286
EXPERIENCED UNEMPLOYED NOT CLASSIFIED BY OCCUPATION	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 222. OCCUPATION OF THE EXPERIENCED CIVILIAN LABOR FORCE BY EARNINGS IN 1979, LABOR FORCE STATUS IN 1979, 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]

DULUTH-SUPERIOR, MN-WI SMSA

	PERSONS WITH EARNINGS IN 1979											WORKED YEAR ROUND FULL TIME IN 1979	
	16 YEARS AND OVER	$1 TO $1,999 OR LOSS	$2,000 TO $5,999	$6,000 TO $9,999	$10,000 TO $14,999	$15,000 TO $19,999	$20,000 TO $24,999	$25,000 TO $49,999	$50,000 OR MORE	MEDIAN EARNINGS	MEAN EARNINGS	TOTAL	MEDIAN EARNINGS
TOTAL													
MALE EXPERIENCED CIVILIAN LABOR FORCE	68 784	4 669	7 733	6 113	10 693	15 325	14 164	9 199	888	$16 289	$16 378	44 912	$19 113
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS	13 704	378	982	879	1 892	2 710	2 943	3 288	632	$20 013	$21 342	9 838	$21 286
EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS	7 163	188	400	441	1 002	1 383	1 457	2 038	254	$20 419	$21 364	5 846	$21 396
OFFICIALS AND ADMINISTRATORS, PUBLIC ADMINISTRATION	340	5	14	23	54	77	91	76	-	$19 732	$18 846	278	$20 458
ADMINISTRATORS, EDUCATION AND RELATED FIELDS	255	8	2	10	7	15	77	130	6	$25 428	$25 327	136	$27 621
MANAGERS, MEDICINE AND HEALTH	40	-	-	-	2	12	6	17	3	$25 000	$25 387	36	$23 020
OTHER SPECIFIED MANAGERS	888	26	51	82	119	195	178	219	18	$19 016	$20 208	734	$20 671
MANAGERS AND ADMINISTRATORS, N.E.C., SALARIED	3 435	54	196	175	470	599	668	1 110	163	$21 337	$22 881	2 944	$22 309
MANUFACTURING	488	2	33	26	54	87	126	136	24	$21 258	$23 113	429	$21 767
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	461	5	5	9	43	62	128	183	26	$23 882	$25 697	411	$24 231
WHOLESALE AND RETAIL TRADE	1 068	15	55	102	190	223	140	291	52	$18 535	$20 961	927	$19 401
ALL OTHER INDUSTRIES	1 418	32	103	38	183	227	274	500	61	$21 922	$23 332	1 177	$23 511
MANAGERS AND ADMINISTRATORS, N.E.C., SELF-EMPLOYED	427	41	54	28	61	53	73	79	38	$17 451	$19 946	316	$17 642
CONSTRUCTION	83	7	-	9	8	16	5	30	8	$21 324	$23 665	47	$19 767
MANUFACTURING	28	11	-	-	-	4	-	2	11	$18 472	$25 497	22	$40 000
WHOLESALE AND RETAIL TRADE	153	8	37	5	33	11	33	18	8	$14 142	$17 132	133	$16 352
ALL OTHER INDUSTRIES	163	15	17	14	20	22	35	29	11	$18 225	$19 739	114	$16 235
MANAGEMENT RELATED OCCUPATIONS	1 778	54	83	123	289	432	364	407	26	$18 600	$19 174	1 402	$20 492
ACCOUNTANTS AND AUDITORS	535	13	22	58	56	153	80	140	13	$18 486	$19 981	445	$20 027
BUYERS AND PURCHASING AGENTS	237	-	9	4	33	79	67	32	13	$19 401	$21 854	190	$20 115
PROFESSIONAL SPECIALTY OCCUPATIONS	6 541	190	582	438	890	1 327	1 486	1 250	378	$19 221	$21 319	3 992	$21 141
ENGINEERS, ARCHITECTS, AND SURVEYORS	1 097	-	39	19	92	157	265	507	18	$24 409	$24 393	980	$24 401
ARCHITECTS	71	-	-	-	8	19	20	24	-	$21 645	$23 589	71	$21 645
ENGINEERS	930	-	34	11	59	115	226	467	18	$25 347	$25 220	827	$25 279
ELECTRICAL AND ELECTRONIC ENGINEERS	185	-	-	6	10	36	52	81	-	$23 550	$22 754	178	$23 963
MECHANICAL ENGINEERS	140	-	21	-	29	6	32	52	-	$21 771	$20 296	131	$21 390
OTHER ENGINEERS	605	-	13	5	20	73	142	334	18	$26 544	$27 114	518	$26 649
SURVEYORS AND MAPPING SCIENTISTS	96	-	5	8	25	23	19	16	-	$16 707	$16 976	82	$18 276
MATHEMATICAL AND COMPUTER SCIENTISTS	63	7	13	-	-	30	13	-	-	$16 166	$14 128	41	$17 452
COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS	47	7	13	-	-	16	11	-	-	$15 682	$12 946	34	$17 396
NATURAL SCIENTISTS	315	-	6	15	58	50	102	72	12	$20 956	$23 292	262	$21 053
HEALTH DIAGNOSING OCCUPATIONS	643	9	19	-	52	39	56	165	303	$45 778	$46 809	482	$43 719
PHYSICIANS	406	7	6	-	22	15	31	65	260	$55 289	$54 245	308	$56 935
DENTISTS	172	2	9	-	11	11	16	85	38	$34 203	$38 265	116	$33 340
OTHER HEALTH DIAGNOSING PRACTITIONERS	65	-	4	-	19	13	9	15	5	$18 306	$22 969	58	$18 509
HEALTH ASSESSMENT AND TREATING OCCUPATIONS	270	-	27	6	76	66	63	30	2	$16 512	$17 170	208	$17 418
REGISTERED NURSES	49	-	-	6	2	16	20	5	-	$20 056	$19 675	24	$19 291
PHARMACISTS	118	-	27	-	7	23	43	18	-	$20 122	$17 717	95	$20 936
THERAPISTS	83	-	-	-	65	11	-	7	-	$12 926	$14 131	71	$13 125
TEACHERS, LIBRARIANS, AND COUNSELORS	2 398	63	219	129	275	682	784	244	2	$18 352	$17 298	807	$20 515
TEACHERS, POSTSECONDARY	603	14	94	28	61	111	137	158	-	$19 611	$18 107	239	$22 232
TEACHERS, ELEMENTARY AND PRE-KINDERGARTEN	763	-	30	28	128	303	259	13	2	$17 600	$17 496	177	$19 087
TEACHERS, SECONDARY	752	19	53	30	53	226	330	41	-	$19 839	$17 727	258	$20 440
SOCIAL SCIENTISTS AND URBAN PLANNERS	50	-	5	7	-	13	17	8	-	$20 000	$18 251	44	$20 507
SOCIAL AND RECREATION WORKERS	316	8	56	35	75	81	52	9	-	$13 566	$13 113	192	$16 174
RELIGIOUS WORKERS	340	6	50	52	128	74	21	7	2	$12 581	$12 570	280	$13 088
LAWYERS AND JUDGES	364	12	33	7	12	42	46	173	39	$28 666	$31 316	318	$31 245
WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES	685	85	115	168	122	93	67	35	-	$9 301	$10 974	378	$13 455
TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS	10 231	682	1 245	970	1 801	2 466	1 779	1 152	136	$15 585	$16 379	7 527	$17 547
TECHNICIANS AND RELATED SUPPORT OCCUPATIONS	1 763	94	119	146	359	505	338	183	19	$16 154	$16 275	1 391	$17 411
HEALTH TECHNOLOGISTS AND TECHNICIANS	129	11	12	10	42	29	3	14	8	$13 357	$15 860	106	$13 835
LICENSED PRACTICAL NURSES	5	-	-	-	-	5	-	-	-	$15 439	$19 505	5	$15 439
ENGINEERING AND SCIENCE TECHNICIANS	1 038	39	66	100	188	292	250	103	-	$16 640	$16 184	841	$18 212
ELECTRICAL AND ELECTRONIC TECHNICIANS	208	9	-	14	34	57	78	16	-	$18 810	$17 580	178	$20 057
DRAFTING AND SURVEYING TECHNICIANS	482	6	35	61	114	164	70	32	-	$15 451	$14 900	395	$16 323
TECHNICIANS, EXCEPT HEALTH, ENGINEERING, AND SCIENCE	596	44	41	36	129	184	85	66	11	$15 874	$16 523	444	$16 929
AIRPLANE PILOTS AND NAVIGATORS	42	-	-	-	11	3	7	10	11	$25 000	$31 510	29	$20 242
COMPUTER PROGRAMMERS	152	19	12	10	27	45	26	13	-	$15 574	$13 913	95	$18 305
SALES OCCUPATIONS	4 800	375	672	536	896	753	812	648	108	$14 486	$17 437	3 480	$17 841
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS	1 028	20	89	123	195	253	151	149	48	$16 287	$19 065	871	$17 225
SELF-EMPLOYED	243	11	34	37	40	71	19	31	-	$14 938	$13 671	227	$15 316
SALES REPRESENTATIVES, FINANCE AND BUSINESS SERVICES	1 004	29	83	110	208	82	243	209	40	$19 263	$26 398	802	$20 927
SALES REPRESENTATIVES, COMMODITIES, EXCEPT RETAIL	934	27	61	42	135	188	270	194	17	$20 161	$20 547	775	$21 131
SALES WORKERS, RETAIL AND PERSONAL SERVICES	1 829	299	439	261	358	230	148	91	3	$8 850	$9 975	1 027	$13 749
CASHIERS	200	34	91	38	16	21	-	-	-	$5 167	$5 901	61	$10 688
SALES RELATED OCCUPATIONS	5	-	-	-	-	-	-	5	-	$30 879	$32 005	5	$30 879

TABLE 222. OCCUPATION OF THE EXPERIENCED CIVILIAN LABOR FORCE BY EARNINGS IN 1979, LABOR FORCE STATUS IN 1979, 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]

DULUTH-SUPERIOR, MN-WI SMSA

	PERSONS WITH EARNINGS IN 1979											WORKED YEAR ROUND FULL TIME IN 1979	
	16 YEARS AND OVER	$1 TO $1,999 OR LOSS	$2,000 TO $5,999	$6,000 TO $9,999	$10,000 TO $14,999	$15,000 TO $19,999	$20,000 TO $24,999	$25,000 TO $49,999	$50,000 OR MORE	MEDIAN EARNINGS	MEAN EARNINGS	TOTAL	MEDIAN EARNINGS
TOTAL													
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL	3 668	213	454	288	546	1 208	629	321	9	$15 910	$15 043	2 656	$17 338
SUPERVISORS, ADMINISTRATIVE SUPPORT OCCUPATIONS	368	7	23	20	44	77	88	102	7	$20 521	$19 744	314	$21 149
COMPUTER EQUIPMENT OPERATORS	91	-	2	18	22	18	25	6	-	$15 715	$16 166	74	$17 447
SECRETARIES, STENOGRAPHERS, AND TYPISTS	39	-	-	2	9	12	8	8	-	$18 066	$19 077	37	$18 562
SECRETARIES	16	-	-	2	-	6	-	8	-	$22 500	$21 773	14	$25 628
RECEPTIONISTS	36	10	10	3	-	13	-	-	-	$4 000	$8 713	13	$15 439
FILE CLERKS	30	17	-	6	-	7	-	-	-	$1 882	$6 682	7	$15 439
FINANCIAL RECORDS PROCESSING OCCUPATIONS	309	21	48	12	52	97	65	14	-	$15 719	$14 613	239	$17 182
BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS	215	6	43	6	43	56	47	14	-	$15 572	$14 882	172	$17 185
TELEPHONE OPERATORS	19	-	12	-	-	2	3	2	-	$3 583	$9 943	7	$21 815
MAIL AND MESSAGE DISTRIBUTING OCCUPATIONS	561	33	50	7	21	379	71	-	-	$16 146	$15 723	476	$16 550
TRAFFIC, SHIPPING, STOCK AND INVENTORY CLERKS	672	37	121	70	158	185	69	30	2	$13 486	$12 986	443	$15 812
INSURANCE ADJUSTERS, EXAMINERS, AND INVESTIGATORS	46	-	2	-	13	24	7	-	-	$15 891	$15 348	39	$16 406
BANK TELLERS	7	-	3	2	2	-	-	-	-	$6 500	$5 891	2	$7 000
DATA-ENTRY KEYERS	27	-	-	2	2	23	-	-	-	$15 345	$16 705	23	$15 439
OTHER ADMINISTRATIVE SUPPORT OCCUPATIONS	1 463	88	183	146	223	371	293	159	-	$15 873	$14 855	982	$18 077
SERVICE OCCUPATIONS	7 049	1 591	1 804	934	1 138	942	464	167	9	$6 644	$8 612	3 027	$14 307
PRIVATE HOUSEHOLD OCCUPATIONS	36	26	-	7	-	3	-	-	-	$1,000-	$3 008	7	$7 000
PROTECTIVE SERVICE OCCUPATIONS	1 400	93	199	108	194	484	258	64	-	$15 678	$14 153	965	$17 321
FIREFIGHTING OCCUPATIONS	223	15	8	7	16	115	55	7	-	$17 027	$16 249	185	$17 328
POLICE AND DETECTIVES, PUBLIC SERVICE	370	-	10	15	37	204	83	21	-	$17 169	$17 691	340	$17 416
GUARDS	556	69	172	84	112	45	68	6	-	$8 351	$9 340	222	$14 455
OTHER PROTECTIVE SERVICE OCCUPATIONS	251	9	9	2	29	120	52	30	-	$17 460	$17 738	218	$18 132
SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD	5 613	1 472	1 605	819	944	455	206	103	9	$4 815	$7 265	2 055	$12 570
FOOD PREPARATION AND SERVICE OCCUPATIONS	2 148	732	798	325	144	88	44	17	-	$3 119	$4 929	388	$11 615
WAITERS AND FOOD COUNTER WORKERS	83	35	29	7	7	5	-	-	-	$2 382	$3 858	14	$7 429
COOKS	773	236	395	91	31	2	9	9	-	$3 064	$4 035	88	$8 737
HEALTH SERVICE OCCUPATIONS	261	60	62	64	64	11	-	-	-	$7 133	$6 771	114	$9 628
NURSING AIDES, ORDERLIES, AND ATTENDANTS	203	52	49	49	53	-	-	-	-	$6 111	$6 299	87	$9 194
CLEANING AND BUILDING SERVICE OCCUPATIONS EXC. HOUSEHOLD	2 751	572	601	380	668	338	129	54	9	$8 640	$8 957	1 361	$12 909
PERSONAL SERVICE OCCUPATIONS	453	108	144	50	68	18	33	32	-	$4 357	$8 355	192	$12 960
BARBERS, HAIRDRESSERS AND COSMETOLOGISTS	131	7	20	34	27	6	24	13	-	$10 750	$12 956	100	$12 707
FARMING, FORESTRY, AND FISHING OCCUPATIONS	1 144	214	335	186	222	88	46	46	7	$6 479	$8 440	569	$11 051
FARM OPERATORS AND MANAGERS	313	52	83	77	31	30	19	17	4	$7 654	$9 209	252	$8 000
FARM OCCUPATIONS, EXCEPT MANAGERIAL	148	57	47	7	25	-	8	4	-	$2 810	$5 783	49	$12 208
RELATED AGRICULTURAL OCCUPATIONS	288	62	93	35	87	9	2	-	-	$4 737	$6 636	109	$12 177
FORESTRY AND FISHING OCCUPATIONS	395	43	112	67	79	49	17	25	3	$8 040	$10 140	159	$14 030
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS	17 620	556	1 046	1 226	2 489	4 493	4 941	2 811	58	$18 531	$17 798	13 025	$20 279
MECHANICS AND REPAIRERS	7 377	236	311	479	994	2 130	2 423	794	10	$18 539	$17 525	6 063	$20 009
AUTOMOBILE MECHANICS, INCLUDING BODY	1 534	73	126	148	279	449	341	118	-	$16 106	$15 375	1 210	$17 455
AIRCRAFT MECHANICS	54	-	-	2	19	15	18	-	-	$16 499	$16 173	34	$16 438
HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS	76	-	18	10	7	15	16	10	-	$15 737	$15 159	60	$18 272
OTHER MECHANICS AND REPAIRERS	5 713	163	167	319	689	1 651	2 048	666	10	$19 431	$18 147	4 759	$20 238
CONSTRUCTION TRADES	5 589	182	552	542	914	1 195	1 242	930	32	$17 083	$16 862	3 154	$20 439
CARPENTERS	1 533	79	261	221	381	308	200	78	5	$12 324	$12 853	610	$16 651
ELECTRICIANS	1 050	15	34	16	104	225	389	267	-	$21 137	$20 584	767	$21 354
PAINTERS, CONSTRUCTION AND MAINTENANCE	284	27	79	43	12	74	37	12	-	$9 548	$11 461	127	$17 057
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	662	13	42	21	147	154	142	143	-	$18 103	$18 032	453	$19 903
OTHER CONSTRUCTION TRADES	2 060	48	136	241	270	434	474	430	27	$18 537	$18 317	1 197	$21 322
EXTRACTIVE OCCUPATIONS	1 598	16	14	40	98	227	521	674	8	$23 491	$23 055	1 416	$24 383
PRECISION PRODUCTION OCCUPATIONS	3 056	122	169	165	483	941	755	413	8	$17 595	$17 416	2 392	$18 604
SUPERVISORS, PRODUCTION OCCUPATIONS	975	4	19	24	113	270	289	248	8	$20 669	$20 790	835	$20 663
MANUFACTURING	471	2	11	6	81	135	142	92	2	$20 010	$20 087	388	$20 436
PRECISION METALWORKING OCCUPATIONS	890	43	28	55	124	281	263	96	-	$17 973	$17 511	660	$19 432
TOOL AND DIE MAKERS	45	-	-	8	7	23	-	7	-	$15 878	$16 809	37	$16 504
MACHINISTS	530	15	28	41	77	154	177	38	-	$17 892	$17 064	395	$19 550
SHEET METAL WORKERS	165	28	-	-	15	41	50	31	-	$19 744	$17 705	122	$20 887
OTHER PRECISION METAL WORKERS	150	-	-	6	25	63	36	20	-	$17 890	$19 090	106	$18 519
PRECISION TEXTILE, APPAREL, AND FURNISHINGS MACHINE WORKERS	110	17	28	15	34	16	-	-	-	$7 429	$7 982	60	$12 149
PLANT AND SYSTEM OPERATORS	469	3	14	42	86	191	103	30	-	$16 652	$16 666	369	$17 054
OTHER PRECISION PRODUCTION OCCUPATIONS	612	55	80	29	126	183	100	39	-	$15 264	$14 173	468	$16 688

TABLE 222. OCCUPATION OF THE EXPERIENCED CIVILIAN LABOR FORCE BY EARNINGS IN 1979, LABOR FORCE STATUS IN 1979, SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

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DULUTH-SUPERIOR, MN-WI SMSA

	PERSONS WITH EARNINGS IN 1979											WORKED YEAR ROUND FULL TIME IN 1979	
	16 YEARS AND OVER	$1 TO $1,999 OR LOSS	$2,000 TO $5,999	$6,000 TO $9,999	$10,000 TO $14,999	$15,000 TO $19,999	$20,000 TO $24,999	$25,000 TO $49,999	$50,000 OR MORE	MEDIAN EARNINGS	MEAN EARNINGS	TOTAL	MEDIAN EARNINGS
TOTAL													
OPERATORS, FABRICATORS, AND LABORERS	19 004	1 242	2 316	1 904	3 144	4 626	3 991	1 735	46	$15 675	$14 855	10 907	$18 598
MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS	5 140	286	402	502	1 036	1 656	999	253	6	$15 659	$14 714	3 318	$17 154
MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION	2 862	171	264	320	597	958	420	126	6	$15 232	$14 084	1 801	$16 613
METALWORKING AND PLASTIC WORKING MACHINE OPERATORS	468	25	29	49	116	162	63	24	-	$15 257	$14 143	305	$16 447
PRINTING MACHINE OPERATORS	306	13	46	22	54	137	24	10	-	$15 300	$13 680	203	$16 210
TEXTILE, APPAREL, AND FURNISHINGS MACHINE OPERATORS	72	2	11	26	15	13	-	5	-	$9 455	$10 892	42	$13 780
TEXTILE MACHINE OPERATORS	21	-	-	15	-	6	-	-	-	$8 500	$10 176	6	$15 439
TEXTILE SEWING MACHINE OPERATORS	10	-	6	4	-	-	-	-	-	$4 833	$5 045	4	$7 000
LAUNDERING AND DRYCLEANING MACHINE OPERATORS	36	2	5	7	15	7	-	-	-	$11 333	$10 924	27	$12 563
OTHER SPECIFIED MACHINE OPERATORS	1 176	74	93	128	257	370	214	34	6	$15 288	$14 354	748	$16 871
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS	840	57	85	95	155	276	119	53	-	$15 294	$14 095	503	$16 737
OCCUPATION:													
MISCELLANEOUS MACHINE OPERATORS, N.E.C.	236	28	27	11	33	100	32	5	-	$15 500	$13 404	138	$16 842
MACHINE OPERATORS, NOT SPECIFIED	604	29	58	84	122	176	87	48	-	$15 153	$14 365	365	$16 674
INDUSTRY:													
MANUFACTURING	513	43	53	60	102	169	68	18	-	$14 895	$13 090	316	$16 407
NONDURABLE GOODS	210	30	28	32	19	74	18	9	-	$11 875	$11 785	128	$16 362
FOOD AND KINDRED PRODUCTS	119	23	26	13	16	41	-	-	-	$9 286	$8 884	60	$15 065
TEXTILE MILL AND FINISHED TEXTILE PRODUCTS	-	-	-	-	-	-	-	-	-	-	-	-	-
PAPER AND ALLIED PRODUCTS	11	-	-	-	3	3	2	3	-	$18 867	$19 610	11	$18 867
OTHER NONDURABLE GOODS	80	7	2	19	-	30	16	6	-	$16 376	$15 023	57	$18 341
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG	303	13	25	28	83	95	50	9	-	$15 074	$13 995	188	$16 412
METAL INDUSTRIES	183	6	8	23	47	55	37	7	-	$15 425	$14 835	123	$16 704
MACHINERY, INCLUDING ELECTRICAL	43	-	6	-	16	19	-	2	-	$14 862	$14 083	31	$15 568
TRANSPORTATION EQUIPMENT	22	-	-	-	4	11	7	-	-	$17 428	$16 478	9	$20 298
OTHER DURABLE GOODS	55	7	11	5	16	10	6	-	-	$11 286	$10 138	25	$14 613
NONMANUFACTURING INDUSTRIES	327	14	32	35	53	107	51	35	-	$15 912	$15 671	187	$17 442
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	171	3	12	26	19	72	20	19	-	$16 116	$16 529	109	$17 593
WHOLESALE AND RETAIL TRADE	71	-	-	2	31	19	14	5	-	$15 430	$16 183	45	$13 243
ALL OTHER INDUSTRIES	85	11	20	7	3	16	17	11	-	$15 335	$13 520	33	$20 886
FABRICATORS, ASSEMBLERS, AND HAND WORKING OCCUPATIONS	2 011	105	112	140	396	634	507	117	-	$16 444	$15 658	1 347	$17 954
WELDERS AND CUTTERS	1 608	53	56	108	265	528	491	107	-	$17 482	$16 785	1 102	$19 059
ASSEMBLERS	336	35	56	27	117	81	10	10	-	$12 392	$11 075	196	$14 323
OTHER FABRICATORS AND HAND WORKING OCCUPATIONS	67	17	-	5	14	25	6	-	-	$14 319	$11 577	49	$15 119
PRODUCTION INSPECTORS, TESTERS, SAMPLERS, AND WEIGHERS	267	10	26	42	43	64	72	10	-	$15 685	$14 365	170	$18 137
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	8 009	258	556	532	1 271	1 754	2 301	1 303	34	$18 645	$17 859	5 191	$20 614
MOTOR VEHICLE OPERATORS	4 373	226	422	369	732	986	1 189	429	20	$16 767	$15 945	2 762	$20 025
TRUCK DRIVERS AND DRIVER-SALES WORKERS	3 852	160	322	291	615	881	1 150	413	20	$17 606	$16 662	2 496	$20 246
BUS DRIVERS	375	33	54	46	103	103	26	10	-	$12 827	$11 979	213	$15 491
RAIL AND WATER TRANSPORTATION OCCUPATIONS	1 479	2	35	33	114	269	447	568	11	$22 725	$23 382	986	$23 967
MATERIAL MOVING EQUIPMENT OPERATORS	2 157	30	99	130	425	499	665	306	3	$18 631	$17 952	1 443	$20 421
EXCAVATING, GRADING, AND DOZER MACHINE OPERATORS	390	13	9	7	53	56	139	110	3	$21 479	$20 276	246	$23 100
HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS	5 855	698	1 358	870	837	1 216	691	179	6	$10 009	$10 868	2 398	$16 606
CONSTRUCTION LABORERS	1 070	69	156	137	257	325	91	33	2	$13 184	$12 595	414	$16 200
FREIGHT, STOCK, AND MATERIAL HANDLERS	1 272	248	458	164	131	129	107	35	-	$4 942	$8 118	310	$16 138
GARAGE AND SERVICE STATION RELATED OCCUPATIONS	471	106	235	46	18	31	26	9	-	$4 027	$6 094	123	$15 288
HAND PACKERS AND PACKAGERS	141	22	37	28	20	27	-	7	-	$7 769	$9 365	38	$13 500
OTHER SPECIFIED HANDLERS, EQUIPMENT CLEANERS, AND HELPERS	1 055	77	124	146	136	251	259	60	2	$15 617	$14 029	646	$19 313
LABORERS, EXCEPT CONSTRUCTION	1 846	176	348	349	275	453	208	35	2	$10 885	$11 287	867	$15 871
MANUFACTURING	404	20	91	79	102	68	35	9	-	$10 533	$10 786	194	$13 228
NONDURABLE GOODS	101	16	19	31	3	26	2	4	-	$8 176	$9 529	44	$15 599
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG.	303	4	72	48	99	42	33	5	-	$11 222	$11 204	150	$12 822
METAL INDUSTRIES	181	-	48	34	64	10	20	5	-	$10 567	$10 904	101	$12 946
NONMANUFACTURING INDUSTRIES	1 442	156	257	270	173	385	173	26	2	$11 118	$11 428	673	$16 181
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	464	31	64	113	60	142	54	-	-	$11 600	$11 665	214	$16 367
WHOLESALE AND RETAIL TRADE	444	66	104	93	56	80	30	13	2	$7 733	$9 745	188	$13 621
ALL OTHER INDUSTRIES	534	59	89	64	57	163	89	13	-	$14 852	$12 622	271	$16 995
EXPERIENCED UNEMPLOYED NOT CLASSIFIED BY OCCUPATION	32	6	5	14	7	-	-	-	-	$6 909	$7 043	19	$7 800

TABLE 222. OCCUPATION OF THE EXPERIENCED CIVILIAN LABOR FORCE BY EARNINGS IN 1979, LABOR FORCE STATUS IN 1979, 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]

DULUTH-SUPERIOR, MN-WI SMSA

	PERSONS WITH EARNINGS IN 1979											WORKED YEAR ROUND FULL TIME IN 1979	
	16 YEARS AND OVER	$1 TO $1,999 OR LOSS	$2,000 TO $5,999	$6,000 TO $9,999	$10,000 TO $14,999	$15,000 TO $19,999	$20,000 TO $24,999	$25,000 TO $49,999	$50,000 OR MORE	MEDIAN EARNINGS	MEAN EARNINGS	TOTAL	MEDIAN EARNINGS
TOTAL													
FEMALE EXPERIENCED CIVILIAN LABOR FORCE	43 478	8 131	13 908	10 842	6 549	2 894	847	274	33	$5 902	$6 828	16 507	$9 771
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS	8 990	928	1 788	1 734	2 443	1 652	319	120	6	$10 082	$9 881	3 696	$12 657
EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS	2 542	211	543	523	816	304	79	66	-	$9 957	$9 725	1 601	$11 717
OFFICIALS AND ADMINISTRATORS, PUBLIC ADMINISTRATION	179	16	34	43	50	27	9	-	-	$9 696	$9 316	112	$12 577
ADMINISTRATORS, EDUCATION AND RELATED FIELDS	68	21	10	10	1	17	2	7	-	$7 500	$9 928	24	$13 300
MANAGERS, MEDICINE AND HEALTH	58	-	8	13	24	11	-	2	-	$12 640	$11 564	35	$13 365
OTHER SPECIFIED MANAGERS	427	24	36	91	189	40	20	27	-	$11 359	$11 724	337	$11 987
MANAGERS AND ADMINISTRATORS, N.E.C., SALARIED	974	85	219	192	313	115	32	18	-	$9 847	$9 510	581	$11 908
MANUFACTURING	59	-	9	12	38	-	-	-	-	$10 486	$9 858	41	$10 607
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	-	-	-	-	-	-	-	-	-	-	-	-	-
WHOLESALE AND RETAIL TRADE	350	53	81	92	91	25	4	4	-	$8 241	$7 945	193	$10 259
ALL OTHER INDUSTRIES	565	32	129	88	184	90	28	14	-	$11 196	$10 443	347	$13 269
MANAGERS AND ADMINISTRATORS, N.E.C., SELF-EMPLOYED	119	25	78	11	3	-	2	-	-	$3 602	$3 049	72	$3 743
CONSTRUCTION	-	-	-	-	-	-	-	-	-	-	-	-	-
MANUFACTURING	7	-	5	-	-	-	2	-	-	$3 700	$8 401	5	$3 500
WHOLESALE AND RETAIL TRADE	63	19	38	6	-	-	-	-	-	$3 425	$2 177	37	$3 750
ALL OTHER INDUSTRIES	49	6	35	5	3	-	-	-	-	$3 763	$3 405	30	$3 813
MANAGEMENT RELATED OCCUPATIONS	717	40	158	163	236	94	14	12	-	$9 923	$9 867	440	$11 620
ACCOUNTANTS AND AUDITORS	245	4	58	67	89	16	-	11	-	$9 629	$10 638	138	$11 163
BUYERS AND PURCHASING AGENTS	104	2	15	35	19	30	2	1	-	$10 000	$10 083	68	$13 394
PROFESSIONAL SPECIALTY OCCUPATIONS	6 448	717	1 245	1 211	1 627	1 348	240	54	6	$10 149	$9 943	2 095	$13 453
ENGINEERS, ARCHITECTS, AND SURVEYORS	18	-	-	11	7	-	-	-	-	$7 636	$8 744	7	$11 000
ARCHITECTS	7	-	-	-	7	-	-	-	-	$11 000	$11 505	7	$11 000
ENGINEERS	9	-	-	9	-	-	-	-	-	$7 000	$7 205	-	-
ELECTRICAL AND ELECTRONIC ENGINEERS	-	-	-	-	-	-	-	-	-	-	-	-	-
MECHANICAL ENGINEERS	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER ENGINEERS	9	-	-	9	-	-	-	-	-	$7 000	$7 205	-	-
SURVEYORS AND MAPPING SCIENTISTS	2	-	-	2	-	-	-	-	-	$7 000	$6 005	-	-
MATHEMATICAL AND COMPUTER SCIENTISTS	31	-	15	9	7	-	-	-	-	$6 200	$7 293	13	$12 032
COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS	6	-	6	-	-	-	-	-	-	$2 500	$2 680	-	-
NATURAL SCIENTISTS	56	-	10	10	26	8	2	-	-	$12 243	$11 574	41	$13 020
HEALTH DIAGNOSING OCCUPATIONS	43	-	7	13	13	-	-	10	-	$10 231	$14 112	11	$10 167
PHYSICIANS	23	-	-	7	13	-	-	3	-	$10 692	$12 683	11	$10 167
DENTISTS	14	-	7	-	-	-	-	7	-	$16 500	$19 505	-	-
OTHER HEALTH DIAGNOSING PRACTITIONERS	6	-	-	6	-	-	-	-	-	$7 000	$7 005	-	-
HEALTH ASSESSMENT AND TREATING OCCUPATIONS	1 890	55	340	504	606	338	47	-	-	$10 337	$10 104	856	$13 977
REGISTERED NURSES	1 578	37	289	435	512	286	19	-	-	$10 251	$10 012	677	$14 285
PHARMACISTS	35	-	-	12	-	16	7	-	-	$16 025	$14 625	32	$16 376
THERAPISTS	190	18	27	41	68	25	11	-	-	$10 600	$9 956	105	$12 032
TEACHERS, LIBRARIANS, AND COUNSELORS	3 265	467	631	417	694	881	145	24	6	$10 922	$10 255	611	$14 391
TEACHERS, POSTSECONDARY	269	37	60	33	37	84	-	18	-	$10 692	$10 694	55	$16 793
TEACHERS, ELEMENTARY AND PRE-KINDERGARTEN	1 616	180	299	203	348	479	101	-	6	$12 099	$11 017	237	$13 839
TEACHERS, SECONDARY	835	104	142	126	197	241	19	6	-	$11 468	$10 327	156	$14 444
SOCIAL SCIENTISTS AND URBAN PLANNERS	61	7	11	4	18	12	9	-	-	$11 889	$10 978	12	$13 416
SOCIAL AND RECREATION WORKERS	521	42	123	102	133	90	25	6	-	$9 755	$9 920	314	$13 461
RELIGIOUS WORKERS	57	15	27	15	-	-	-	-	-	$4 156	$3 789	10	$7 250
LAWYERS AND JUDGES	25	-	6	6	-	-	6	7	-	$20 285	$20 705	13	$40 105
WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES	481	131	75	120	123	19	6	7	-	$7 150	$6 904	207	$10 342
TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS	19 143	3 149	6 033	5 631	3 111	811	314	94	-	$6 271	$6 729	8 244	$9 605
TECHNICIANS AND RELATED SUPPORT OCCUPATIONS	1 877	179	458	571	523	84	57	5	-	$8 278	$8 203	864	$10 876
HEALTH TECHNOLOGISTS AND TECHNICIANS	1 460	108	395	479	410	60	7	1	-	$8 133	$7 840	633	$10 655
LICENSED PRACTICAL NURSES	888	80	250	281	249	20	7	1	-	$7 617	$7 408	359	$10 481
ENGINEERING AND SCIENCE TECHNICIANS	252	32	42	70	52	18	34	4	-	$9 000	$9 901	130	$12 351
ELECTRICAL AND ELECTRONIC TECHNICIANS	25	-	-	6	15	-	-	4	-	$11 625	$13 711	25	$11 625
DRAFTING AND SURVEYING TECHNICIANS	45	-	18	12	15	-	-	-	-	$7 000	$7 122	15	$10 429
TECHNICIANS, EXCEPT HEALTH, ENGINEERING, AND SCIENCE	165	39	21	22	61	6	16	-	-	$10 029	$8 822	101	$11 344
AIRPLANE PILOTS AND NAVIGATORS	-	-	-	-	-	-	-	-	-	-	-	-	-
COMPUTER PROGRAMMERS	25	-	-	-	14	-	11	-	-	$11 786	$14 628	25	$11 786
SALES OCCUPATIONS	5 188	1 359	2 321	996	318	106	48	40	-	$3 699	$4 795	1 259	$8 346
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS	364	39	93	103	83	25	17	4	-	$7 724	$8 159	197	$10 625
SELF-EMPLOYED	97	26	12	26	16	8	9	-	-	$8 368	$7 975	61	$10 625
SALES REPRESENTATIVES, FINANCE AND BUSINESS SERVICES	412	54	131	106	70	17	4	30	-	$6 764	$8 751	180	$10 857
SALES REPRESENTATIVES, COMMODITIES, EXCEPT RETAIL	92	2	25	1	35	15	14	-	-	$11 565	$11 359	60	$12 578
SALES WORKERS, RETAIL AND PERSONAL SERVICES	4 291	1 239	2 070	786	128	49	13	6	-	$3 425	$4 008	820	$7 333
CASHIERS	1 518	398	749	274	53	42	2	-	-	$3 710	$4 283	274	$7 352
SALES RELATED OCCUPATIONS	29	25	2	-	2	-	-	-	-	$1,000-	$1 939	2	$12 272

TABLE 222. OCCUPATION OF THE EXPERIENCED CIVILIAN LABOR FORCE BY EARNINGS IN 1979, LABOR FORCE STATUS IN 1979, SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

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DULUTH-SUPERIOR, MN-WI SMSA

	PERSONS WITH EARNINGS IN 1979											WORKED YEAR ROUND FULL TIME IN 1979	
	16 YEARS AND OVER	$1 TO $1,999 OR LOSS	$2,000 TO $5,999	$6,000 TO $9,999	$10,000 TO $14,999	$15,000 TO $19,999	$20,000 TO $24,999	$25,000 TO $49,999	$50,000 OR MORE	MEDIAN EARNINGS	MEAN EARNINGS	TOTAL	MEDIAN EARNINGS
TOTAL													
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL	12 078	1 611	3 254	4 064	2 270	621	209	49	-	$7 177	$7 330	6 121	$9 615
SUPERVISORS, ADMINISTRATIVE SUPPORT OCCUPATIONS	319	6	42	72	118	44	37	-	-	$11 837	$11 709	263	$12 511
COMPUTER EQUIPMENT OPERATORS	170	11	26	81	36	16	-	-	-	$8 114	$8 453	75	$9 591
SECRETARIES, STENOGRAPHERS, AND TYPISTS	4 165	409	1 125	1 604	816	187	18	6	-	$7 375	$7 217	2 163	$9 372
SECRETARIES	3 554	313	943	1 398	723	153	18	6	-	$7 468	$7 291	1 862	$9 378
RECEPTIONISTS	599	133	255	180	19	5	5	2	-	$4 731	$4 995	224	$7 706
FILE CLERKS	95	35	28	30	2	-	-	-	-	$2 568	$4 074	25	$8 833
FINANCIAL RECORDS PROCESSING OCCUPATIONS	2 247	241	556	730	540	118	48	14	-	$7 829	$7 980	1 253	$10 058
BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS	1 925	193	520	599	468	83	48	14	-	$7 610	$7 888	1 029	$10 102
TELEPHONE OPERATORS	279	38	49	78	102	-	-	12	-	$8 756	$8 580	134	$11 143
MAIL AND MESSAGE DISTRIBUTING OCCUPATIONS	236	21	37	61	34	46	37	-	-	$9 952	$11 231	146	$15 166
TRAFFIC, SHIPPING, STOCK AND INVENTORY CLERKS	292	58	102	76	56	-	-	-	-	$4 957	$5 831	112	$9 263
INSURANCE ADJUSTERS, EXAMINERS, AND INVESTIGATORS	35	-	11	8	14	2	-	-	-	$7 625	$8 518	5	$4 500
BANK TELLERS	485	28	97	300	56	-	-	4	-	$7 424	$7 186	284	$8 425
DATA-ENTRY KEYERS	172	4	21	74	52	14	7	-	-	$9 519	$10 020	138	$10 320
OTHER ADMINISTRATIVE SUPPORT OCCUPATIONS	2 984	627	905	770	425	189	57	11	-	$5 843	$6 616	1 299	$9 775
SERVICE OCCUPATIONS	11 075	3 396	4 654	2 250	575	121	33	22	24	$3 511	$4 413	2 791	$8 055
PRIVATE HOUSEHOLD OCCUPATIONS	354	246	79	19	10	-	-	-	-	$1 410	$2 128	59	$2 310
PROTECTIVE SERVICE OCCUPATIONS	118	61	33	13	7	4	-	-	-	$1 947	$3 774	18	$10 571
FIREFIGHTING OCCUPATIONS	11	11	-	-	-	-	-	-	-	$1,000-	$646	-	-
POLICE AND DETECTIVES, PUBLIC SERVICE	7	-	-	-	7	-	-	-	-	$11 000	$10 895	7	$11 000
GUARDS	78	50	19	9	-	-	-	-	-	$1 711	$2 633	7	$7 000
OTHER PROTECTIVE SERVICE OCCUPATIONS	22	-	14	4	-	4	-	-	-	$5 500	$7 114	4	$15 439
SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD	10 603	3 089	4 542	2 218	558	117	33	22	24	$3 623	$4 497	2 714	$8 106
FOOD PREPARATION AND SERVICE OCCUPATIONS	5 092	1 745	2 406	754	134	23	19	8	3	$2 990	$3 636	905	$6 926
WAITERS AND FOOD COUNTER WORKERS	2 515	1 063	1 236	195	8	-	6	5	2	$2 442	$2 882	216	$5 750
COOKS	1 180	285	524	314	35	6	13	3	-	$4 203	$4 656	310	$7 083
HEALTH SERVICE OCCUPATIONS	2 229	263	795	932	201	17	-	-	21	$6 270	$6 489	1 033	$8 477
NURSING AIDES, ORDERLIES, AND ATTENDANTS	1 723	201	636	691	157	17	-	-	21	$6 160	$6 654	802	$8 507
CLEANING AND BUILDING SERVICE OCCUPATIONS EXC. HOUSEHOLD	1 442	501	493	265	136	33	6	8	-	$3 229	$4 700	385	$9 539
PERSONAL SERVICE OCCUPATIONS	1 840	580	848	267	87	44	8	6	-	$3 655	$4 306	391	$7 589
BARBERS, HAIRDRESSERS AND COSMETOLOGISTS	585	125	268	105	46	33	8	-	-	$4 837	$5 389	158	$7 226
FARMING, FORESTRY, AND FISHING OCCUPATIONS	208	62	110	23	2	7	-	4	-	$2 808	$4 167	53	$8 071
FARM OPERATORS AND MANAGERS	60	21	25	3	-	7	-	4	-	$3 700	$6 282	35	$5 125
FARM OCCUPATIONS, EXCEPT MANAGERIAL	73	26	41	6	-	-	-	-	-	$2 362	$2 599	6	$6 667
RELATED AGRICULTURAL OCCUPATIONS	36	10	21	3	2	-	-	-	-	$3 000	$3 677	5	$9 667
FORESTRY AND FISHING OCCUPATIONS	39	5	23	11	-	-	-	-	-	$3 250	$4 300	7	$9 000
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS	768	136	193	190	111	68	52	18	-	$6 866	$8 241	384	$11 059
MECHANICS AND REPAIRERS	135	8	19	32	7	47	20	2	-	$15 083	$12 777	91	$16 490
AUTOMOBILE MECHANICS, INCLUDING BODY	20	-	10	-	3	4	3	-	-	$9 000	$10 485	9	$13 164
AIRCRAFT MECHANICS	-	-	-	-	-	-	-	-	-	-	-	-	-
HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER MECHANICS AND REPAIRERS	115	8	9	32	4	43	17	2	-	$15 277	$13 176	82	$16 587
CONSTRUCTION TRADES	109	32	8	23	11	11	14	10	-	$7 381	$10 338	34	$21 837
CARPENTERS	30	4	6	16	4	-	-	-	-	$6 714	$6 151	3	$2 500
ELECTRICIANS	18	-	-	-	5	5	8	-	-	$18 652	$18 505	13	$20 145
PAINTERS, CONSTRUCTION AND MAINTENANCE	21	20	1	-	-	-	-	-	-	$1 406	$1 366	-	-
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER CONSTRUCTION TRADES	40	8	1	7	2	6	6	10	-	$16 349	$14 514	18	$25 402
EXTRACTIVE OCCUPATIONS	37	-	7	9	12	3	6	-	-	$10 833	$10 531	12	$20 000
PRECISION PRODUCTION OCCUPATIONS	487	96	159	126	81	7	12	6	-	$5 750	$6 340	247	$8 375
SUPERVISORS, PRODUCTION OCCUPATIONS	127	4	12	40	59	7	5	-	-	$10 469	$9 956	98	$11 250
MANUFACTURING	85	-	5	36	44	-	-	-	-	$10 136	$9 549	58	$11 182
PRECISION METALWORKING OCCUPATIONS	16	6	7	3	-	-	-	-	-	$3 000	$3 286	7	$5 875
TOOL AND DIE MAKERS	-	-	-	-	-	-	-	-	-	-	-	-	-
MACHINISTS	4	-	4	-	-	-	-	-	-	$5 500	$5 205	4	$5 500
SHEET METAL WORKERS	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER PRECISION METAL WORKERS	12	6	3	3	-	-	-	-	-	$1 500	$2 647	3	$7 000
PRECISION TEXTILE, APPAREL, AND FURNISHINGS MACHINE WORKERS	139	46	63	25	5	-	-	-	-	$2 979	$3 624	40	$6 556
PLANT AND SYSTEM OPERATORS	7	-	2	-	-	-	5	-	-	$20 244	$16 496	5	$20 453
OTHER PRECISION PRODUCTION OCCUPATIONS	198	40	75	58	17	-	2	6	-	$5 385	$5 816	97	$7 581

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DULUTH-SUPERIOR, MN-WI SMSA

	PERSONS WITH EARNINGS IN 1979											WORKED YEAR ROUND FULL TIME IN 1979	
	16 YEARS AND OVER	$1 TO $1,999 OR LOSS	$2,000 TO $5,999	$6,000 TO $9,999	$10,000 TO $14,999	$15,000 TO $19,999	$20,000 TO $24,999	$25,000 TO $49,999	$50,000 OR MORE	MEDIAN EARNINGS	MEAN EARNINGS	TOTAL	MEDIAN EARNINGS
TOTAL													
OPERATORS, FABRICATORS, AND LABORERS	3 294	460	1 130	1 014	307	235	129	16	3	$6 184	$7 032	1 339	$8 558
MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS	1 757	245	611	714	116	47	21	-	3	$6 098	$6 074	778	$7 680
MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION	1 393	186	470	608	68	44	14	-	3	$6 216	$6 135	628	$7 824
METALWORKING AND PLASTIC WORKING MACHINE OPERATORS	52	5	22	19	-	6	-	-	-	$5 941	$6 281	17	$7 545
PRINTING MACHINE OPERATORS	135	11	56	44	24	-	-	-	-	$6 125	$6 453	73	$9 000
TEXTILE, APPAREL, AND FURNISHINGS MACHINE OPERATORS	585	76	239	258	7	-	2	-	3	$5 575	$5 421	238	$7 245
TEXTILE MACHINE OPERATORS	19	2	6	11	-	-	-	-	-	$6 273	$5 555	11	$7 000
TEXTILE SEWING MACHINE OPERATORS	278	61	110	102	-	-	2	-	3	$4 829	$5 156	79	$7 204
LAUNDERING AND DRYCLEANING MACHINE OPERATORS	232	13	104	108	7	-	-	-	-	$5 952	$5 473	114	$7 015
OTHER SPECIFIED MACHINE OPERATORS	283	44	71	114	20	24	10	-	-	$7 082	$7 355	149	$8 688
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS	338	50	82	173	17	14	2	-	-	$6 725	$6 199	151	$8 167
OCCUPATION:													
MISCELLANEOUS MACHINE OPERATORS, N.E.C.	123	24	32	54	4	9	-	-	-	$6 306	$5 917	63	$7 719
MACHINE OPERATORS, NOT SPECIFIED	215	26	50	119	13	5	2	-	-	$6 955	$6 361	88	$8 500
INDUSTRY:													
MANUFACTURING	233	22	43	142	17	7	2	-	-	$7 226	$6 787	115	$8 122
NONDURABLE GOODS	178	22	19	120	15	2	-	-	-	$7 391	$6 748	86	$8 059
FOOD AND KINDRED PRODUCTS	135	12	-	114	9	-	-	-	-	$7 609	$7 253	82	$7 947
TEXTILE MILL AND FINISHED TEXTILE PRODUCTS	16	-	10	6	-	-	-	-	-	$4 500	$5 263	-	-
PAPER AND ALLIED PRODUCTS	13	-	5	-	6	2	-	-	-	$10 750	$8 913	4	$15 000
OTHER NONDURABLE GOODS	14	10	4	-	-	-	-	-	-	$1,000-	$1 561	-	-
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG	55	-	24	22	2	5	2	-	-	$6 467	$6 914	29	$8 429
METAL INDUSTRIES	15	-	3	5	-	5	2	-	-	$7 800	$10 622	12	$15 540
MACHINERY, INCLUDING ELECTRICAL	24	-	10	14	-	-	-	-	-	$6 500	$5 376	14	$7 750
TRANSPORTATION EQUIPMENT	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER DURABLE GOODS	16	-	11	3	2	-	-	-	-	$5 571	$5 744	3	$10 500
NONMANUFACTURING INDUSTRIES	105	28	39	31	-	7	-	-	-	$4 050	$4 895	36	$8 308
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	2	-	-	2	-	-	-	-	-	$7 000	$7 105	2	$7 000
WHOLESALE AND RETAIL TRADE	65	24	22	19	-	-	-	-	-	$3 500	$3 616	17	$8 111
ALL OTHER INDUSTRIES	38	4	17	10	-	7	-	-	-	$5 600	$6 967	17	$9 250
FABRICATORS, ASSEMBLERS, AND HAND WORKING OCCUPATIONS	237	47	86	69	33	-	2	-	-	$5 310	$5 503	101	$7 119
WELDERS AND CUTTERS	7	-	-	2	3	-	2	-	-	$11 000	$13 005	2	$20 453
ASSEMBLERS	187	41	67	54	25	-	-	-	-	$4 219	$5 066	69	$7 472
OTHER FABRICATORS AND HAND WORKING OCCUPATIONS	43	6	19	13	5	-	-	-	-	$5 816	$6 185	30	$5 789
PRODUCTION INSPECTORS, TESTERS, SAMPLERS, AND WEIGHERS	127	12	55	37	15	3	5	-	-	$5 731	$6 473	49	$6 813
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	552	52	175	113	76	68	52	16	-	$7 607	$9 224	186	$13 189
MOTOR VEHICLE OPERATORS	379	49	147	74	62	28	19	-	-	$5 803	$7 123	104	$11 444
TRUCK DRIVERS AND DRIVER-SALES WORKERS	123	7	53	14	17	21	11	-	-	$6 375	$8 924	40	$15 329
BUS DRIVERS	213	28	89	43	38	7	8	-	-	$5 543	$6 366	41	$11 250
RAIL AND WATER TRANSPORTATION OCCUPATIONS	48	-	3	11	10	11	9	4	-	$15 000	$14 865	15	$20 420
MATERIAL MOVING EQUIPMENT OPERATORS	125	3	25	28	4	29	24	12	-	$15 289	$13 427	67	$18 000
EXCAVATING, GRADING, AND DOZER MACHINE OPERATORS	17	-	2	-	-	2	7	6	-	$22 609	$19 887	8	$25 281
HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS	985	163	344	187	115	120	56	-	-	$5 762	$7 512	375	$12 310
CONSTRUCTION LABORERS	55	11	15	5	3	7	14	-	-	$6 600	$9 824	23	$20 137
FREIGHT, STOCK, AND MATERIAL HANDLERS	212	43	105	47	2	6	9	-	-	$4 071	$5 225	56	$8 706
GARAGE AND SERVICE STATION RELATED OCCUPATIONS	46	13	22	6	5	-	-	-	-	$3 909	$4 252	18	$6 667
HAND PACKERS AND PACKAGERS	263	36	106	70	30	21	-	-	-	$4 881	$6 153	90	$9 226
OTHER SPECIFIED HANDLERS, EQUIPMENT CLEANERS, AND HELPERS	212	27	29	19	66	51	20	-	-	$11 938	$11 109	105	$15 803
LABORERS, EXCEPT CONSTRUCTION	197	33	67	40	9	35	13	-	-	$5 940	$8 033	83	$13 615
MANUFACTURING	78	11	36	18	6	7	-	-	-	$5 385	$6 563	30	$8 667
NONDURABLE GOODS	53	9	26	10	6	2	-	-	-	$5 227	$5 828	15	$5 500
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG.	25	2	10	8	-	5	-	-	-	$6 500	$8 122	15	$9 167
METAL INDUSTRIES	13	-	-	8	-	5	-	-	-	$9 500	$12 482	13	$9 500
NONMANUFACTURING INDUSTRIES	119	22	31	22	3	28	13	-	-	$7 300	$8 996	53	$15 984
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	18	-	7	-	-	11	-	-	-	$15 136	$10 811	8	$15 439
WHOLESALE AND RETAIL TRADE	32	-	12	14	-	6	-	-	-	$7 143	$7 443	13	$9 857
ALL OTHER INDUSTRIES	69	22	12	8	3	11	13	-	-	$6 333	$9 243	32	$16 700
EXPERIENCED UNEMPLOYED NOT CLASSIFIED BY OCCUPATION	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 222. OCCUPATION OF THE EXPERIENCED CIVILIAN LABOR FORCE BY EARNINGS IN 1979, LABOR FORCE STATUS IN 1979, 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]

MINNEAPOLIS-
ST. PAUL, MN-WI SMSA

	PERSONS WITH EARNINGS IN 1979											WORKED YEAR ROUND FULL TIME IN 1979	
	16 YEARS AND OVER	$1 TO $1,999 OR LOSS	$2,000 TO $5,999	$6,000 TO $9,999	$10,000 TO $14,999	$15,000 TO $19,999	$20,000 TO $24,999	$25,000 TO $49,999	$50,000 OR MORE	MEDIAN EARNINGS	MEAN EARNINGS	TOTAL	MEDIAN EARNINGS
TOTAL													
MALE EXPERIENCED CIVILIAN LABOR FORCE	610 595	36 129	68 940	59 986	95 536	121 504	100 834	106 370	21 296	$16 449	$18 490	417 109	$19 684
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS	170 214	3 039	8 636	10 449	18 900	28 983	32 347	53 323	14 537	$21 960	$26 517	134 145	$23 740
EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS	94 610	1 269	3 472	4 751	10 257	15 817	16 170	33 404	9 470	$23 343	$28 584	81 823	$24 799
OFFICIALS AND ADMINISTRATORS, PUBLIC ADMINISTRATION	1 786	12	14	61	190	313	408	744	44	$23 382	$24 661	1 585	$24 142
ADMINISTRATORS, EDUCATION AND RELATED FIELDS	2 012	24	51	51	123	255	375	1 078	55	$26 474	$26 020	1 252	$26 338
MANAGERS, MEDICINE AND HEALTH	457	12	7	18	38	79	39	225	39	$26 630	$28 878	368	$26 744
OTHER SPECIFIED MANAGERS	16 765	132	466	513	1 238	2 363	2 718	7 637	1 698	$26 595	$29 726	15 002	$27 532
MANAGERS AND ADMINISTRATORS, N.E.C., SALARIED	48 815	590	1 729	2 481	5 038	6 877	7 527	18 160	6 413	$25 097	$31 710	42 827	$26 404
MANUFACTURING	16 435	80	238	335	897	1 861	2 583	7 641	2 800	$28 926	$37 345	15 323	$29 604
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	3 531	7	72	81	161	446	729	1 818	217	$26 446	$29 108	3 294	$26 756
WHOLESALE AND RETAIL TRADE	12 867	210	666	1 149	2 164	2 201	1 663	3 260	1 554	$20 102	$27 843	10 636	$22 259
ALL OTHER INDUSTRIES	15 982	293	753	916	1 816	2 369	2 552	5 441	1 842	$23 335	$29 604	13 574	$25 252
MANAGERS AND ADMINISTRATORS, N.E.C., SELF-EMPLOYED	2 909	215	270	385	439	428	334	572	266	$16 382	$21 649	2 158	$18 029
CONSTRUCTION	603	27	44	91	80	118	48	150	45	$17 098	$23 004	327	$19 260
MANUFACTURING	431	40	29	83	58	58	51	83	29	$15 362	$19 929	378	$16 795
WHOLESALE AND RETAIL TRADE	974	61	100	137	160	150	90	182	94	$15 745	$21 466	796	$16 396
ALL OTHER INDUSTRIES	901	87	97	74	141	102	145	157	98	$17 204	$21 764	657	$20 443
MANAGEMENT RELATED OCCUPATIONS	21 866	284	935	1 242	3 191	5 502	4 769	4 988	955	$19 719	$22 204	18 631	$20 722
ACCOUNTANTS AND AUDITORS	9 652	110	482	735	1 349	2 560	1 997	1 957	462	$18 913	$21 813	8 140	$20 313
BUYERS AND PURCHASING AGENTS	3 465	53	96	146	650	990	742	676	112	$18 617	$20 505	3 057	$19 528
PROFESSIONAL SPECIALTY OCCUPATIONS	75 604	1 770	5 164	5 698	8 643	13 166	16 177	19 919	5 067	$20 776	$23 929	52 322	$22 530
ENGINEERS, ARCHITECTS, AND SURVEYORS	18 367	110	481	581	1 273	3 533	5 264	6 747	378	$22 567	$23 842	16 066	$23 354
ARCHITECTS	1 565	10	62	98	202	352	256	491	94	$20 906	$25 049	1 318	$22 292
ENGINEERS	16 464	98	398	446	993	3 101	4 954	6 195	279	$22 749	$23 849	14 495	$23 481
ELECTRICAL AND ELECTRONIC ENGINEERS	4 225	8	111	133	258	763	1 309	1 609	34	$22 718	$23 152	3 650	$23 645
MECHANICAL ENGINEERS	2 662	26	47	51	153	539	894	927	25	$22 330	$23 300	2 374	$22 900
OTHER ENGINEERS	9 577	64	240	262	582	1 799	2 751	3 659	220	$22 901	$24 309	8 471	$23 594
SURVEYORS AND MAPPING SCIENTISTS	338	2	21	37	78	80	54	61	5	$16 492	$17 891	253	$18 413
MATHEMATICAL AND COMPUTER SCIENTISTS	3 916	11	82	121	382	965	1 123	1 204	28	$21 313	$21 875	3 500	$21 817
COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS	2 909	11	58	90	237	713	907	883	10	$21 404	$21 720	2 609	$21 831
NATURAL SCIENTISTS	2 568	56	168	202	288	512	485	752	105	$20 445	$22 001	2 125	$22 078
HEALTH DIAGNOSING OCCUPATIONS	6 062	103	100	326	395	429	384	1 741	2 584	$43 242	$51 853	4 355	$47 700
PHYSICIANS	3 985	39	53	215	266	290	209	932	1 981	$49 682	$57 870	3 123	$52 580
DENTISTS	1 355	26	24	57	73	69	96	515	495	$40 531	$45 706	725	$43 698
OTHER HEALTH DIAGNOSING PRACTITIONERS	722	38	23	54	56	70	79	294	108	$27 094	$30 178	507	$31 593
HEALTH ASSESSMENT AND TREATING OCCUPATIONS	2 619	82	168	315	406	571	463	530	84	$17 523	$19 481	1 921	$20 452
REGISTERED NURSES	695	24	33	116	98	233	79	81	31	$16 116	$18 935	448	$17 616
PHARMACISTS	1 024	14	70	60	73	148	275	355	29	$22 198	$22 350	834	$24 017
THERAPISTS	574	31	38	108	164	77	65	73	18	$13 076	$16 219	388	$14 909
TEACHERS, LIBRARIANS, AND COUNSELORS	18 706	518	1 494	1 445	2 480	3 579	5 090	3 922	178	$19 695	$18 775	7 605	$20 910
TEACHERS, POSTSECONDARY	4 254	152	558	422	319	576	728	1 364	135	$20 525	$20 800	2 163	$24 595
TEACHERS, ELEMENTARY AND PRE-KINDERGARTEN	6 574	112	246	369	1 023	1 513	2 191	1 113	7	$20 030	$18 703	2 129	$20 117
TEACHERS, SECONDARY	4 613	105	234	303	677	891	1 548	847	8	$20 178	$18 658	1 546	$20 607
SOCIAL SCIENTISTS AND URBAN PLANNERS	2 059	30	120	114	120	357	394	745	179	$23 358	$26 436	1 643	$25 637
SOCIAL AND RECREATION WORKERS	2 282	71	222	312	454	419	404	400	-	$15 731	$16 081	1 666	$17 788
RELIGIOUS WORKERS	2 702	122	467	520	584	563	280	141	25	$12 251	$12 833	2 019	$14 050
LAWYERS AND JUDGES	5 903	193	410	374	491	510	676	1 963	1 286	$28 264	$36 133	4 665	$32 761
WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES	10 420	474	1 452	1 388	1 770	1 728	1 614	1 774	220	$15 266	$16 640	6 757	$19 022
TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS	134 262	6 669	15 373	12 943	22 734	28 060	20 994	22 661	4 828	$16 293	$18 416	96 982	$18 934
TECHNICIANS AND RELATED SUPPORT OCCUPATIONS	26 819	694	2 031	2 224	4 991	7 035	4 841	4 274	729	$16 959	$18 502	20 570	$18 613
HEALTH TECHNOLOGISTS AND TECHNICIANS	1 273	73	197	172	339	273	135	72	12	$12 619	$13 924	825	$15 440
LICENSED PRACTICAL NURSES	64	6	8	12	14	15	-	9	-	$11 500	$12 517	46	$15 188
ENGINEERING AND SCIENCE TECHNICIANS	14 023	383	1 119	1 204	3 123	3 870	2 443	1 848	33	$16 090	$16 388	10 940	$17 630
ELECTRICAL AND ELECTRONIC TECHNICIANS	5 077	145	291	440	1 095	1 394	1 053	657	2	$16 535	$16 644	4 076	$18 107
DRAFTING AND SURVEYING TECHNICIANS	4 367	95	327	414	1 157	1 342	662	364	6	$15 440	$15 534	3 395	$16 399
TECHNICIANS, EXCEPT HEALTH, ENGINEERING, AND SCIENCE	11 523	238	715	848	1 529	2 892	2 263	2 354	684	$18 929	$21 580	8 805	$20 352
AIRPLANE PILOTS AND NAVIGATORS	1 482	3	18	21	122	112	121	467	618	$44 194	$44 266	817	$44 525
COMPUTER PROGRAMMERS	5 309	74	304	398	767	1 660	1 261	815	30	$17 835	$18 039	4 271	$19 558
SALES OCCUPATIONS	61 410	3 507	7 170	5 188	9 220	9 540	8 963	14 030	3 792	$17 580	$21 012	44 290	$21 058
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS	9 056	352	658	779	1 630	1 611	1 534	1 999	493	$18 089	$21 559	7 598	$19 995
SELF-EMPLOYED	1 508	182	194	198	210	186	171	256	111	$14 246	$18 299	1 205	$16 426
SALES REPRESENTATIVES, FINANCE AND BUSINESS SERVICES	16 666	377	1 108	1 139	2 342	2 522	2 680	4 802	1 696	$21 288	$26 573	13 062	$23 206
SALES REPRESENTATIVES, COMMODITIES, EXCEPT RETAIL	16 600	303	687	801	2 007	3 063	3 033	5 408	1 298	$22 007	$25 387	14 030	$23 052
SALES WORKERS, RETAIL AND PERSONAL SERVICES	18 962	2 466	4 711	2 459	3 226	2 317	1 686	1 808	289	$9 729	$12 038	9 509	$16 235
CASHIERS	2 507	522	1 129	406	193	112	85	42	18	$4 028	$6 290	556	$11 529
SALES RELATED OCCUPATIONS	126	9	6	10	15	27	30	13	16	$19 023	$20 225	91	$19 344

TABLE 222. OCCUPATION OF THE EXPERIENCED CIVILIAN LABOR FORCE BY EARNINGS IN 1979, LABOR FORCE STATUS IN 1979, SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

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MINNEAPOLIS-ST. PAUL, MN-WI SMSA	PERSONS WITH EARNINGS IN 1979											WORKED YEAR ROUND FULL TIME IN 1979	
	16 YEARS AND OVER	$1 TO $1,999 OR LOSS	$2,000 TO $5,999	$6,000 TO $9,999	$10,000 TO $14,999	$15,000 TO $19,999	$20,000 TO $24,999	$25,000 TO $49,999	$50,000 OR MORE	MEDIAN EARNINGS	MEAN EARNINGS	TOTAL	MEDIAN EARNINGS
TOTAL													
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL	46 033	2 468	6 172	5 531	8 523	11 485	7 190	4 357	307	$15 089	$14 902	32 122	$17 109
SUPERVISORS, ADMINISTRATIVE SUPPORT OCCUPATIONS	5 292	74	188	225	764	1 232	1 267	1 484	58	$20 450	$20 857	4 711	$21 084
COMPUTER EQUIPMENT OPERATORS	2 206	88	254	337	622	519	252	129	5	$13 225	$13 638	1 611	$15 225
SECRETARIES, STENOGRAPHERS, AND TYPISTS	931	49	218	180	152	50	110	153	19	$10 381	$13 986	556	$16 630
SECRETARIES	488	37	152	125	76	23	25	43	7	$8 272	$11 105	238	$12 194
RECEPTIONISTS	324	33	134	80	35	26	16	-	-	$5 844	$7 059	71	$13 251
FILE CLERKS	692	96	210	122	44	113	83	24	-	$7 569	$9 837	299	$16 764
FINANCIAL RECORDS PROCESSING OCCUPATIONS	3 355	117	471	447	829	671	458	304	58	$13 644	$15 076	2 321	$16 457
BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS	2 411	112	359	321	627	437	285	224	46	$12 971	$14 706	1 684	$15 775
TELEPHONE OPERATORS	339	29	65	48	68	53	45	31	-	$11 375	$13 123	224	$16 198
MAIL AND MESSAGE DISTRIBUTING OCCUPATIONS	6 164	324	681	450	558	2 145	1 639	347	20	$16 875	$15 851	4 573	$18 575
TRAFFIC, SHIPPING, STOCK AND INVENTORY CLERKS	10 143	737	1 624	1 531	2 495	2 438	977	324	17	$12 415	$12 205	6 437	$15 266
INSURANCE ADJUSTERS, EXAMINERS, AND INVESTIGATORS	1 019	11	46	136	246	270	148	158	4	$15 920	$17 037	832	$17 353
BANK TELLERS	370	9	152	91	96	9	13	-	-	$7 000	$7 836	166	$10 056
DATA-ENTRY KEYERS	463	45	92	102	80	84	47	13	-	$9 700	$10 593	275	$15 229
OTHER ADMINISTRATIVE SUPPORT OCCUPATIONS	14 735	856	2 037	1 782	2 534	3 875	2 135	1 390	126	$15 128	$15 046	10 046	$17 100
SERVICE OCCUPATIONS	57 278	11 364	15 426	8 372	8 682	6 771	4 363	2 115	185	$6 861	$9 101	25 081	$14 573
PRIVATE HOUSEHOLD OCCUPATIONS	140	69	43	19	9	-	-	-	-	$2 091	$3 303	36	$8 875
PROTECTIVE SERVICE OCCUPATIONS	9 359	464	1 175	772	1 052	1 770	2 872	1 235	19	$18 071	$16 500	6 849	$20 460
FIREFIGHTING OCCUPATIONS	930	5	8	10	96	130	493	188	-	$21 368	$20 805	816	$21 755
POLICE AND DETECTIVES, PUBLIC SERVICE	3 056	45	40	72	201	710	1 461	512	15	$20 904	$20 857	2 766	$20 977
GUARDS	3 645	385	1 053	626	597	432	358	190	4	$8 121	$10 303	1 736	$14 899
OTHER PROTECTIVE SERVICE OCCUPATIONS	1 728	29	74	64	158	498	560	345	-	$20 216	$19 549	1 531	$20 759
SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD	47 779	10 831	14 208	7 581	7 621	5 001	1 491	880	166	$5 500	$7 669	18 196	$12 783
FOOD PREPARATION AND SERVICE OCCUPATIONS	19 200	6 313	6 793	2 652	1 991	893	297	221	40	$3 326	$5 436	4 627	$11 395
WAITERS AND FOOD COUNTER WORKERS	1 985	591	889	292	120	63	5	25	-	$3 403	$4 618	407	$7 588
COOKS	7 715	2 325	3 115	1 098	741	291	68	65	12	$3 337	$5 208	1 760	$10 830
HEALTH SERVICE OCCUPATIONS	2 870	446	964	790	427	115	54	45	29	$6 145	$7 812	1 014	$10 510
NURSING AIDES, ORDERLIES, AND ATTENDANTS	2 276	258	750	700	360	98	47	39	24	$6 813	$8 314	860	$10 449
CLEANING AND BUILDING SERVICE OCCUPATIONS EXC. HOUSEHOLD	21 733	3 283	5 554	3 402	4 571	3 537	924	403	59	$8 437	$9 267	10 847	$13 473
PERSONAL SERVICE OCCUPATIONS	3 976	789	897	737	632	456	216	211	38	$7 499	$9 608	1 708	$14 112
BARBERS, HAIRDRESSERS AND COSMETOLOGISTS	1 435	96	158	308	329	249	124	154	17	$12 097	$13 684	1 044	$14 410
FARMING, FORESTRY, AND FISHING OCCUPATIONS	11 390	1 944	2 528	1 689	1 965	1 526	667	776	295	$8 910	$11 538	7 501	$11 989
FARM OPERATORS AND MANAGERS	5 728	929	1 025	815	958	666	431	628	276	$10 392	$14 088	4 818	$11 052
FARM OCCUPATIONS, EXCEPT MANAGERIAL	2 499	670	788	428	314	154	51	83	11	$4 389	$6 983	1 070	$8 930
RELATED AGRICULTURAL OCCUPATIONS	2 916	331	677	403	630	673	164	30	8	$10 482	$10 253	1 457	$15 211
FORESTRY AND FISHING OCCUPATIONS	247	14	38	43	63	33	21	35	-	$12 662	$13 637	156	$14 312
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS	108 039	3 201	7 981	10 276	17 825	25 973	24 223	17 569	991	$17 363	$17 569	77 420	$19 717
MECHANICS AND REPAIRERS	32 189	1 041	2 536	3 153	5 829	8 320	7 110	4 113	87	$16 638	$16 438	24 552	$18 378
AUTOMOBILE MECHANICS, INCLUDING BODY	10 289	474	1 138	1 404	2 396	2 613	1 518	722	24	$14 365	$14 182	7 346	$16 071
AIRCRAFT MECHANICS	1 840	19	59	49	107	272	503	825	6	$23 829	$22 605	1 594	$25 065
HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS	914	19	62	66	188	226	196	157	-	$17 212	$17 276	668	$19 241
OTHER MECHANICS AND REPAIRERS	19 146	529	1 277	1 634	3 138	5 209	4 893	2 409	57	$17 363	$17 018	14 944	$19 051
CONSTRUCTION TRADES	40 304	1 313	3 300	4 595	6 823	7 988	8 472	7 240	573	$17 153	$17 662	23 725	$20 674
CARPENTERS	11 666	491	1 196	1 937	2 521	2 380	2 077	961	103	$14 270	$14 809	5 745	$17 888
ELECTRICIANS	4 629	62	203	335	596	790	1 252	1 382	9	$20 944	$19 887	3 623	$21 934
PAINTERS, CONSTRUCTION AND MAINTENANCE	3 639	272	599	593	738	680	438	305	14	$11 953	$12 811	1 712	$16 975
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	3 685	56	249	199	361	616	975	1 205	24	$21 417	$20 491	2 589	$22 627
OTHER CONSTRUCTION TRADES	16 685	432	1 053	1 531	2 607	3 522	3 730	3 387	423	$18 538	$19 473	10 056	$21 357
EXTRACTIVE OCCUPATIONS	212	-	22	35	16	71	39	22	7	$16 728	$18 653	134	$17 990
PRECISION PRODUCTION OCCUPATIONS	35 334	847	2 123	2 493	5 157	9 594	8 602	6 194	324	$18 258	$18 485	29 009	$19 743
SUPERVISORS, PRODUCTION OCCUPATIONS	14 082	222	383	505	1 599	3 464	3 978	3 693	238	$20 756	$21 355	12 495	$21 218
MANUFACTURING	9 762	140	228	297	1 006	2 339	2 922	2 647	183	$21 060	$21 791	8 640	$21 541
PRECISION METALWORKING OCCUPATIONS	10 363	250	629	820	1 730	3 048	2 612	1 226	48	$17 336	$17 267	8 146	$18 631
TOOL AND DIE MAKERS	2 374	22	140	139	213	628	743	476	13	$20 181	$19 136	2 026	$20 773
MACHINISTS	5 753	158	324	563	1 126	1 890	1 261	418	13	$16 317	$16 120	4 416	$17 381
SHEET METAL WORKERS	1 432	33	123	61	218	309	426	245	17	$19 391	$19 082	1 068	$20 482
OTHER PRECISION METAL WORKERS	804	37	42	57	173	221	182	87	5	$16 598	$16 714	636	$17 473
PRECISION TEXTILE, APPAREL, AND FURNISHINGS MACHINE WORKERS	814	41	185	138	224	127	54	37	8	$10 843	$11 773	549	$12 655
PLANT AND SYSTEM OPERATORS	2 538	28	56	107	239	965	721	422	-	$19 041	$19 261	2 257	$19 654
OTHER PRECISION PRODUCTION OCCUPATIONS	7 537	306	870	923	1 365	1 990	1 237	816	30	$15 508	$15 262	5 562	$17 065

TABLE 222. OCCUPATION OF THE EXPERIENCED CIVILIAN LABOR FORCE BY EARNINGS IN 1979, LABOR FORCE STATUS IN 1979, 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]

MINNEAPOLIS-ST. PAUL, MN-WI SMSA	PERSONS WITH EARNINGS IN 1979											WORKED YEAR ROUND FULL TIME IN 1979	
	16 YEARS AND OVER	$1 TO $1,999 OR LOSS	$2,000 TO $5,999	$6,000 TO $9,999	$10,000 TO $14,999	$15,000 TO $19,999	$20,000 TO $24,999	$25,000 TO $49,999	$50,000 OR MORE	MEDIAN EARNINGS	MEAN EARNINGS	TOTAL	MEDIAN EARNINGS
TOTAL													
OPERATORS, FABRICATORS, AND LABORERS	129 211	9 905	18 893	16 184	25 417	30 186	18 240	9 926	460	$13 760	$13 560	75 892	$16 773
MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS	54 803	2 594	6 137	7 088	12 950	14 975	7 599	3 385	75	$14 402	$13 972	36 812	$16 181
MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION	34 716	1 384	3 723	4 474	8 048	9 392	5 073	2 563	59	$14 803	$14 395	24 152	$16 400
METALWORKING AND PLASTIC WORKING MACHINE OPERATORS	5 935	278	718	772	1 469	1 812	644	230	12	$14 023	$13 356	4 034	$15 824
PRINTING MACHINE OPERATORS	5 899	149	402	559	932	1 342	1 434	1 063	18	$17 967	$17 887	4 868	$19 573
TEXTILE, APPAREL, AND FURNISHINGS MACHINE OPERATORS	978	71	173	228	252	188	46	14	6	$10 243	$10 715	536	$12 877
TEXTILE MACHINE OPERATORS	254	14	25	52	58	76	20	9	-	$12 460	$12 433	151	$15 171
TEXTILE SEWING MACHINE OPERATORS	96	-	13	23	23	29	4	-	4	$11 412	$14 283	66	$15 326
LAUNDERING AND DRYCLEANING MACHINE OPERATORS	538	48	111	127	146	77	22	5	2	$8 867	$9 773	256	$12 848
OTHER SPECIFIED MACHINE OPERATORS	11 011	444	1 246	1 446	2 669	3 066	1 487	653	-	$14 366	$13 878	7 427	$16 133
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS	10 893	442	1 184	1 469	2 726	2 984	1 462	603	23	$14 224	$13 924	7 287	$16 042
OCCUPATION:													
MISCELLANEOUS MACHINE OPERATORS, N.E.C.	2 495	95	239	281	645	737	356	133	9	$14 896	$14 535	1 724	$16 025
MACHINE OPERATORS, NOT SPECIFIED	8 398	347	945	1 188	2 081	2 247	1 106	470	14	$13 998	$13 743	5 563	$16 047
INDUSTRY:													
MANUFACTURING	9 216	332	993	1 225	2 393	2 588	1 218	458	9	$14 208	$13 865	6 293	$15 898
NONDURABLE GOODS	3 124	101	357	439	837	876	344	169	1	$13 888	$13 636	2 135	$15 561
FOOD AND KINDRED PRODUCTS	723	16	63	63	198	260	94	29	-	$15 221	$14 756	509	$16 119
TEXTILE MILL AND FINISHED TEXTILE PRODUCTS	86	7	10	14	44	11	-	-	-	$10 727	$9 769	33	$10 750
PAPER AND ALLIED PRODUCTS	990	8	55	155	249	324	143	56	-	$15 248	$15 029	756	$15 853
OTHER NONDURABLE GOODS	1 325	70	229	207	346	281	107	84	1	$12 382	$12 235	837	$14 787
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG	6 092	231	636	786	1 556	1 712	874	289	8	$14 392	$13 983	4 158	$16 078
METAL INDUSTRIES	1 841	64	209	229	438	601	224	68	8	$14 716	$14 008	1 287	$15 737
MACHINERY, INCLUDING ELECTRICAL	2 615	81	294	339	686	716	381	118	-	$14 313	$13 866	1 741	$16 269
TRANSPORTATION EQUIPMENT	212	20	23	17	45	54	35	18	-	$15 058	$14 904	131	$17 384
OTHER DURABLE GOODS	1 424	66	110	201	387	341	234	85	-	$14 059	$14 029	999	$16 099
NONMANUFACTURING INDUSTRIES	1 677	110	191	244	333	396	244	145	14	$14 335	$14 246	994	$17 266
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	328	14	26	48	64	76	66	34	-	$15 549	$14 942	224	$18 768
WHOLESALE AND RETAIL TRADE	662	42	67	95	136	193	90	32	7	$14 627	$13 901	409	$16 769
ALL OTHER INDUSTRIES	687	54	98	101	133	127	88	79	7	$13 159	$14 246	361	$17 094
FABRICATORS, ASSEMBLERS, AND HAND WORKING OCCUPATIONS	16 541	1 095	2 177	2 221	4 076	4 466	1 877	613	16	$13 351	$12 843	10 094	$15 629
WELDERS AND CUTTERS	5 947	231	465	657	1 476	2 062	714	342	-	$15 190	$14 421	4 001	$16 079
ASSEMBLERS	9 920	810	1 628	1 486	2 428	2 285	1 034	233	16	$12 239	$11 864	5 659	$15 226
OTHER FABRICATORS AND HAND WORKING OCCUPATIONS	674	54	84	78	172	119	129	38	-	$12 818	$13 338	434	$16 212
PRODUCTION INSPECTORS, TESTERS, SAMPLERS, AND WEIGHERS	3 546	115	237	393	826	1 117	649	209	-	$15 569	$15 093	2 566	$16 637
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	37 869	1 633	4 167	3 977	6 417	8 757	7 187	5 440	291	$16 171	$16 205	23 819	$19 005
MOTOR VEHICLE OPERATORS	27 926	1 300	3 514	3 117	4 644	5 780	4 955	4 345	271	$15 891	$16 068	17 681	$19 160
TRUCK DRIVERS AND DRIVER-SALES WORKERS	22 205	799	1 919	2 233	3 806	4 906	4 333	3 952	257	$16 938	$17 276	14 735	$20 004
BUS DRIVERS	3 572	239	1 015	472	371	720	471	277	7	$10 800	$12 199	1 842	$17 284
RAIL AND WATER TRANSPORTATION OCCUPATIONS	2 091	43	61	83	154	473	633	642	2	$21 347	$21 010	1 526	$22 516
MATERIAL MOVING EQUIPMENT OPERATORS	7 852	290	592	777	1 619	2 504	1 599	453	18	$15 855	$15 410	4 612	$17 292
EXCAVATING, GRADING, AND DOZER MACHINE OPERATORS	425	20	28	50	76	111	91	47	2	$16 283	$16 113	164	$20 145
HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS	36 539	5 678	8 589	5 119	6 050	6 454	3 454	1 101	94	$9 103	$10 203	15 261	$16 010
CONSTRUCTION LABORERS	6 508	333	879	985	1 797	1 569	698	224	23	$12 771	$12 756	2 583	$16 336
FREIGHT, STOCK, AND MATERIAL HANDLERS	12 145	2 899	3 688	1 467	1 067	1 397	1 178	410	39	$4 908	$8 600	3 872	$17 156
GARAGE AND SERVICE STATION RELATED OCCUPATIONS	2 907	736	1 150	509	265	123	83	39	2	$3 803	$5 789	757	$10 894
HAND PACKERS AND PACKAGERS	1 639	227	395	236	358	269	131	23	-	$9 353	$9 835	791	$14 871
OTHER SPECIFIED HANDLERS, EQUIPMENT CLEANERS, AND HELPERS	2 532	544	637	363	406	376	147	59	-	$7 097	$8 536	953	$15 243
LABORERS, EXCEPT CONSTRUCTION	10 808	939	1 840	1 559	2 157	2 720	1 217	346	30	$12 366	$12 100	6 305	$15 984
MANUFACTURING	3 669	281	601	609	807	861	354	134	22	$12 338	$12 248	2 136	$15 621
NONDURABLE GOODS	1 557	142	272	281	300	388	123	44	7	$11 722	$11 537	855	$15 447
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG	2 112	139	329	328	507	473	231	90	15	$12 651	$12 771	1 281	$15 764
METAL INDUSTRIES	698	49	144	126	181	127	63	8	-	$10 938	$11 048	400	$14 235
NONMANUFACTURING INDUSTRIES	7 139	658	1 239	950	1 350	1 859	863	212	8	$12 385	$12 024	4 169	$16 152
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	1 642	65	183	191	360	537	246	54	6	$15 113	$13 816	1 120	$16 448
WHOLESALE AND RETAIL TRADE	4 282	338	705	611	765	1 152	585	124	2	$12 806	$12 412	2 537	$16 425
ALL OTHER INDUSTRIES	1 215	255	351	148	225	170	32	34	-	$6 034	$8 235	512	$13 197
EXPERIENCED UNEMPLOYED NOT CLASSIFIED BY OCCUPATION	201	7	103	73	13	5	-	-	-	$5 821	$5 828	88	$6 500

TABLE 222. OCCUPATION OF THE EXPERIENCED CIVILIAN LABOR FORCE BY EARNINGS IN 1979, LABOR FORCE STATUS IN 1979, SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

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MINNEAPOLIS-ST. PAUL, MN-WI SMSA	PERSONS WITH EARNINGS IN 1979											WORKED YEAR ROUND FULL TIME IN 1979	
	16 YEARS AND OVER	$1 TO $1,999 OR LOSS	$2,000 TO $5,999	$6,000 TO $9,999	$10,000 TO $14,999	$15,000 TO $19,999	$20,000 TO $24,999	$25,000 TO $49,999	$50,000 OR MORE	MEDIAN EARNINGS	MEAN EARNINGS	TOTAL	MEDIAN EARNINGS
TOTAL													
FEMALE EXPERIENCED CIVILIAN LABOR FORCE	481 360	65 752	125 492	118 380	110 799	40 625	13 500	6 058	754	$7 788	$8 315	216 931	$11 214
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS	106 413	7 495	17 880	19 967	29 621	19 478	7 986	3 639	347	$11 275	$11 575	50 906	$13 956
EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS	39 265	1 781	4 941	8 207	12 654	6 849	2 672	1 960	201	$11 706	$12 413	27 538	$13 214
OFFICIALS AND ADMINISTRATORS, PUBLIC ADMINISTRATION	870	42	82	109	231	237	95	74	-	$14 254	$14 265	608	$15 668
ADMINISTRATORS, EDUCATION AND RELATED FIELDS	1 220	114	205	191	271	163	128	148	-	$11 418	$12 936	529	$15 774
MANAGERS, MEDICINE AND HEALTH	574	19	68	80	150	124	88	41	4	$13 467	$14 182	392	$16 465
OTHER SPECIFIED MANAGERS	5 860	262	746	1 068	1 754	978	577	437	38	$12 152	$13 226	4 268	$13 884
MANAGERS AND ADMINISTRATORS, N.E.C., SALARIED	15 973	628	2 041	3 428	5 096	2 752	1 049	875	104	$11 692	$12 579	11 260	$13 211
MANUFACTURING	2 231	36	142	303	724	547	223	218	38	$14 241	$16 206	1 789	$15 424
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	813	18	68	66	174	225	171	91	-	$16 312	$16 160	665	$17 640
WHOLESALE AND RETAIL TRADE	4 752	255	761	1 357	1 432	650	135	126	36	$10 008	$10 627	3 259	$11 470
ALL OTHER INDUSTRIES	8 177	319	1 070	1 702	2 766	1 330	520	440	30	$11 718	$12 367	5 547	$13 244
MANAGERS AND ADMINISTRATORS, N.E.C., SELF-EMPLOYED	866	141	289	234	94	21	55	24	8	$6 059	$7 346	492	$8 159
CONSTRUCTION	34	-	29	5	-	-	-	-	-	$3 773	$4 137	22	$3 500
MANUFACTURING	62	14	33	11	4	-	-	-	-	$3 923	$2 146	12	$1 000
WHOLESALE AND RETAIL TRADE	418	69	135	149	34	7	7	11	6	$6 182	$6 723	250	$8 043
ALL OTHER INDUSTRIES	352	58	92	69	56	14	48	13	2	$7 677	$9 313	208	$10 182
MANAGEMENT RELATED OCCUPATIONS	13 902	575	1 510	3 097	5 058	2 574	680	361	47	$11 668	$11 959	9 989	$12 924
ACCOUNTANTS AND AUDITORS	5 865	241	597	1 524	2 301	936	181	75	10	$11 062	$11 151	4 219	$12 275
BUYERS AND PURCHASING AGENTS	2 142	19	252	470	781	429	85	106	-	$12 067	$12 372	1 706	$13 075
PROFESSIONAL SPECIALTY OCCUPATIONS	67 148	5 714	12 939	11 760	16 967	12 629	5 314	1 679	146	$10 927	$11 085	23 368	$14 986
ENGINEERS, ARCHITECTS, AND SURVEYORS	992	19	119	132	302	324	88	8	-	$13 698	$13 072	674	$15 381
ARCHITECTS	133	-	40	14	29	50	-	-	-	$12 678	$11 249	73	$15 209
ENGINEERS	847	19	79	118	271	264	88	8	-	$13 755	$13 329	601	$15 331
ELECTRICAL AND ELECTRONIC ENGINEERS	115	-	33	22	25	17	16	2	-	$12 046	$11 504	55	$16 650
MECHANICAL ENGINEERS	26	-	15	7	-	2	2	-	-	$5 600	$7 569	2	$20 453
OTHER ENGINEERS	706	19	31	89	246	245	70	6	-	$14 249	$13 839	544	$15 240
SURVEYORS AND MAPPING SCIENTISTS	12	-	-	-	2	10	-	-	-	$15 331	$15 068	-	-
MATHEMATICAL AND COMPUTER SCIENTISTS	1 379	18	78	115	438	406	259	65	-	$15 306	$15 302	1 075	$16 476
COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS	882	-	34	61	263	282	204	38	-	$15 995	$16 185	689	$17 254
NATURAL SCIENTISTS	648	31	142	72	170	165	57	11	-	$12 624	$11 803	417	$15 322
HEALTH DIAGNOSING OCCUPATIONS	737	33	55	143	169	68	36	131	102	$14 015	$23 623	402	$22 383
PHYSICIANS	505	5	16	81	106	53	36	119	89	$19 022	$27 715	322	$40 092
DENTISTS	121	15	21	30	39	8	-	2	6	$9 607	$15 802	45	$12 700
OTHER HEALTH DIAGNOSING PRACTITIONERS	111	13	18	32	24	7	-	10	7	$8 125	$13 529	35	$14 792
HEALTH ASSESSMENT AND TREATING OCCUPATIONS	19 922	929	3 266	4 156	5 890	4 628	808	228	17	$11 320	$11 098	8 505	$15 386
REGISTERED NURSES	16 955	754	2 695	3 585	4 871	4 202	635	203	10	$11 511	$11 204	7 220	$15 491
PHARMACISTS	464	19	115	82	67	66	87	21	7	$10 593	$12 745	172	$20 939
THERAPISTS	1 896	117	361	359	748	242	69	-	-	$10 649	$9 989	784	$12 872
TEACHERS, LIBRARIANS, AND COUNSELORS	29 560	3 240	6 128	4 507	6 626	5 342	3 020	681	16	$10 725	$10 859	5 565	$14 003
TEACHERS, POSTSECONDARY	2 103	287	483	394	332	308	150	149	-	$8 333	$10 397	548	$17 193
TEACHERS, ELEMENTARY AND PRE-KINDERGARTEN	16 786	1 540	3 326	2 590	3 819	3 292	1 989	220	10	$11 329	$11 236	2 487	$13 372
TEACHERS, SECONDARY	5 344	497	1 055	695	1 483	971	484	159	-	$11 491	$11 196	792	$13 952
SOCIAL SCIENTISTS AND URBAN PLANNERS	970	41	110	172	245	178	140	73	11	$12 930	$14 713	543	$14 981
SOCIAL AND RECREATION WORKERS	4 038	212	797	758	1 156	590	416	109	-	$11 075	$11 284	2 081	$14 065
RELIGIOUS WORKERS	766	87	277	186	150	43	7	16	-	$6 314	$7 467	332	$10 351
LAWYERS AND JUDGES	1 081	69	175	114	277	156	153	137	-	$13 169	$14 093	676	$17 141
WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES	7 055	1 035	1 792	1 405	1 544	729	330	220	-	$7 996	$8 833	3 098	$12 532
TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS	233 605	29 198	59 842	66 272	57 786	14 734	3 742	1 752	279	$7 900	$7 963	115 349	$10 804
TECHNICIANS AND RELATED SUPPORT OCCUPATIONS	16 354	915	3 287	4 106	5 040	2 312	467	199	28	$9 888	$10 017	8 572	$12 675
HEALTH TECHNOLOGISTS AND TECHNICIANS	9 404	518	2 218	2 792	2 729	919	191	23	14	$8 943	$9 051	4 242	$11 784
LICENSED PRACTICAL NURSES	3 808	235	1 005	1 350	1 076	111	18	6	7	$8 259	$7 915	1 462	$10 879
ENGINEERING AND SCIENCE TECHNICIANS	2 694	217	484	529	917	437	76	28	6	$10 616	$10 195	1 609	$12 812
ELECTRICAL AND ELECTRONIC TECHNICIANS	609	9	68	136	246	128	9	13	-	$12 089	$11 459	416	$13 312
DRAFTING AND SURVEYING TECHNICIANS	483	75	63	115	152	71	7	-	-	$9 657	$9 087	248	$12 912
TECHNICIANS, EXCEPT HEALTH, ENGINEERING, AND SCIENCE	4 256	180	585	785	1 394	956	200	148	8	$12 324	$12 040	2 721	$14 202
AIRPLANE PILOTS AND NAVIGATORS	20	6	-	-	2	12	-	-	-	$15 123	$11 771	8	$15 267
COMPUTER PROGRAMMERS	2 035	69	160	340	638	624	142	54	8	$13 565	$13 358	1 444	$15 161
SALES OCCUPATIONS	52 423	13 430	18 542	9 733	6 287	2 558	1 024	729	120	$4 333	$6 179	15 453	$10 726
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS	3 180	328	681	797	822	360	114	68	10	$9 002	$9 427	2 042	$11 207
SELF-EMPLOYED	528	140	183	27	90	57	31	-	-	$4 419	$6 693	273	$6 250
SALES REPRESENTATIVES, FINANCE AND BUSINESS SERVICES	8 425	683	1 304	1 973	2 351	1 149	532	379	54	$10 474	$11 442	4 925	$12 682
SALES REPRESENTATIVES, COMMODITIES, EXCEPT RETAIL	2 729	268	503	380	930	356	124	138	30	$11 157	$11 557	1 624	$13 095
SALES WORKERS, RETAIL AND PERSONAL SERVICES	37 811	12 065	15 949	6 546	2 147	680	254	144	26	$3 233	$4 355	6 788	$8 636
CASHIERS	14 983	4 476	6 364	2 900	812	354	37	34	6	$3 365	$4 390	2 495	$8 926
SALES RELATED OCCUPATIONS	278	86	105	37	37	13	-	-	-	$3 500	$4 912	74	$10 500

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MINNEAPOLIS-
ST. PAUL, MN-WI SMSA

	PERSONS WITH EARNINGS IN 1979											WORKED YEAR ROUND FULL TIME IN 1979	
	16 YEARS AND OVER	$1 TO $1,999 OR LOSS	$2,000 TO $5,999	$6,000 TO $9,999	$10,000 TO $14,999	$15,000 TO $19,999	$20,000 TO $24,999	$25,000 TO $49,999	$50,000 OR MORE	MEDIAN EARNINGS	MEAN EARNINGS	TOTAL	MEDIAN EARNINGS
TOTAL													
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL	164 828	14 853	38 013	52 433	46 459	9 864	2 251	824	131	$8 499	$8 326	91 324	$10 654
SUPERVISORS, ADMINISTRATIVE SUPPORT OCCUPATIONS	5 752	150	362	1 006	2 493	1 146	401	189	5	$12 520	$12 817	4 847	$13 142
COMPUTER EQUIPMENT OPERATORS	3 293	161	680	861	1 290	247	38	16	-	$9 797	$9 238	2 105	$11 289
SECRETARIES, STENOGRAPHERS, AND TYPISTS	55 599	4 299	11 707	18 791	17 500	2 511	517	233	41	$8 766	$8 423	31 568	$10 593
SECRETARIES	45 937	3 111	8 902	15 528	15 484	2 273	428	170	41	$9 045	$8 688	26 992	$10 742
RECEPTIONISTS	7 351	1 202	2 369	2 706	969	81	11	13	-	$6 169	$6 052	2 954	$8 965
FILE CLERKS	2 523	557	925	681	324	26	4	6	-	$4 555	$5 377	860	$9 051
FINANCIAL RECORDS PROCESSING OCCUPATIONS	24 659	1 707	5 389	8 239	7 376	1 477	326	105	40	$8 714	$8 629	14 278	$10 606
BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS	19 799	1 470	4 385	6 438	5 986	1 142	265	84	29	$8 723	$8 594	11 257	$10 644
TELEPHONE OPERATORS	2 254	177	560	799	599	84	20	15	-	$8 015	$7 956	1 152	$10 336
MAIL AND MESSAGE DISTRIBUTING OCCUPATIONS	3 079	361	741	780	407	511	249	30	-	$7 944	$9 446	1 516	$13 966
TRAFFIC, SHIPPING, STOCK AND INVENTORY CLERKS	3 981	307	844	1 274	1 185	313	50	2	6	$8 964	$8 671	2 350	$10 892
INSURANCE ADJUSTERS, EXAMINERS, AND INVESTIGATORS	2 024	76	219	670	886	145	28	-	-	$10 204	$9 807	1 527	$11 074
BANK TELLERS	4 061	339	1 255	1 987	405	45	21	9	-	$6 917	$6 648	2 102	$8 644
DATA-ENTRY KEYERS	6 774	532	1 628	2 440	1 874	277	11	6	6	$8 375	$7 854	3 639	$10 219
OTHER ADMINISTRATIVE SUPPORT OCCUPATIONS	43 478	4 985	11 334	12 199	11 151	3 001	575	200	33	$8 046	$7 991	22 426	$10 828
SERVICE OCCUPATIONS	81 994	22 307	33 954	16 517	6 276	1 919	743	215	63	$3 806	$5 007	20 165	$8 423
PRIVATE HOUSEHOLD OCCUPATIONS	2 755	1 411	1 011	235	30	40	22	6	-	$1 937	$2 892	455	$4 500
PROTECTIVE SERVICE OCCUPATIONS	1 045	276	259	128	209	109	64	-	-	$5 621	$7 590	400	$13 767
FIREFIGHTING OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-	-
POLICE AND DETECTIVES, PUBLIC SERVICE	138	11	11	6	43	30	37	-	-	$14 592	$13 639	96	$17 630
GUARDS	710	257	229	74	108	22	20	-	-	$3 318	$5 203	171	$11 513
OTHER PROTECTIVE SERVICE OCCUPATIONS	197	8	19	48	58	57	7	-	-	$12 697	$11 953	133	$14 596
SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD	78 194	20 620	32 684	16 154	6 037	1 770	657	209	63	$3 871	$5 047	19 310	$8 423
FOOD PREPARATION AND SERVICE OCCUPATIONS	33 939	10 561	16 140	5 245	1 580	215	91	87	20	$3 234	$4 098	5 849	$7 566
WAITERS AND FOOD COUNTER WORKERS	18 469	6 523	8 867	2 319	584	90	31	49	6	$2 890	$3 544	2 574	$6 557
COOKS	6 641	1 416	3 352	1 338	418	71	16	19	11	$4 082	$5 425	1 549	$8 260
HEALTH SERVICE OCCUPATIONS	17 722	3 184	6 711	5 762	1 687	248	88	24	18	$5 209	$5 972	5 839	$8 827
NURSING AIDES, ORDERLIES, AND ATTENDANTS	12 998	2 436	5 094	4 030	1 139	199	72	19	9	$4 991	$5 507	4 086	$8 716
CLEANING AND BUILDING SERVICE OCCUPATIONS EXC. HOUSEHOLD	8 482	2 242	3 307	1 838	865	134	49	29	18	$3 954	$5 166	2 447	$8 993
PERSONAL SERVICE OCCUPATIONS	18 051	4 633	6 526	3 309	1 905	1 173	429	69	7	$4 333	$5 869	5 175	$8 369
BARBERS, HAIRDRESSERS AND COSMETOLOGISTS	4 528	623	1 433	1 359	788	231	60	34	-	$6 480	$6 920	1 842	$9 314
FARMING, FORESTRY, AND FISHING OCCUPATIONS	2 237	713	816	419	178	49	19	38	5	$3 602	$5 015	960	$5 987
FARM OPERATORS AND MANAGERS	704	233	252	122	46	17	12	17	5	$3 203	$5 334	479	$3 833
FARM OCCUPATIONS, EXCEPT MANAGERIAL	776	316	247	143	38	13	7	12	-	$2 679	$4 139	275	$6 733
RELATED AGRICULTURAL OCCUPATIONS	725	162	294	147	94	19	-	9	-	$5 005	$5 661	204	$9 034
FORESTRY AND FISHING OCCUPATIONS	32	2	23	7	-	-	-	-	-	$4 667	$4 567	2	$7 000
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS	10 246	854	1 968	2 330	3 170	1 271	452	201	-	$9 958	$9 950	6 076	$12 059
MECHANICS AND REPAIRERS	1 227	80	101	248	423	222	116	37	-	$11 973	$12 055	860	$13 613
AUTOMOBILE MECHANICS, INCLUDING BODY	80	5	15	8	25	25	2	-	-	$12 534	$12 020	47	$12 619
AIRCRAFT MECHANICS	11	6	-	-	5	-	-	-	-	$1,000-	$6 760	5	$12 272
HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER MECHANICS AND REPAIRERS	1 136	69	86	240	393	197	114	37	-	$11 933	$12 109	808	$13 658
CONSTRUCTION TRADES	754	128	215	149	150	36	43	33	-	$7 214	$8 540	299	$10 891
CARPENTERS	124	25	44	7	29	5	14	-	-	$5 000	$8 155	33	$17 132
ELECTRICIANS	80	18	41	5	9	-	7	-	-	$4 353	$6 118	27	$12 141
PAINTERS, CONSTRUCTION AND MAINTENANCE	212	52	42	69	37	-	12	-	-	$6 774	$6 818	62	$9 400
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	32	-	-	9	16	5	-	2	-	$12 339	$12 140	17	$13 841
OTHER CONSTRUCTION TRADES	306	33	88	59	59	26	10	31	-	$8 744	$10 145	160	$10 727
EXTRACTIVE OCCUPATIONS	5	-	-	-	5	-	-	-	-	$12 272	$12 145	5	$12 272
PRECISION PRODUCTION OCCUPATIONS	8 260	646	1 652	1 933	2 592	1 013	293	131	-	$9 824	$9 765	4 912	$11 860
SUPERVISORS, PRODUCTION OCCUPATIONS	3 073	131	243	592	1 112	666	229	100	-	$12 337	$12 569	2 349	$13 358
MANUFACTURING	1 782	68	92	310	622	508	123	59	-	$13 200	$13 224	1 403	$14 280
PRECISION METALWORKING OCCUPATIONS	592	67	128	125	161	98	13	-	-	$9 385	$8 894	313	$12 141
TOOL AND DIE MAKERS	30	-	6	7	6	7	4	-	-	$10 667	$10 962	24	$11 667
MACHINISTS	260	19	50	63	84	42	2	-	-	$9 895	$9 129	151	$11 250
SHEET METAL WORKERS	32	-	-	-	24	8	-	-	-	$13 416	$13 952	19	$12 272
OTHER PRECISION METAL WORKERS	270	48	72	55	47	41	7	-	-	$8 000	$7 839	119	$12 324
PRECISION TEXTILE, APPAREL, AND FURNISHINGS MACHINE WORKERS	1 396	200	581	376	200	14	22	3	-	$5 371	$6 006	500	$8 980
PLANT AND SYSTEM OPERATORS	100	-	16	26	45	7	6	-	-	$10 800	$10 886	84	$11 600
OTHER PRECISION PRODUCTION OCCUPATIONS	3 099	248	684	814	1 074	228	23	28	-	$9 103	$8 807	1 666	$11 078

TABLE 222. OCCUPATION OF THE EXPERIENCED CIVILIAN LABOR FORCE BY EARNINGS IN 1979, LABOR FORCE STATUS IN 1979, 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]

MINNEAPOLIS-ST. PAUL, MN-WI SMSA	PERSONS WITH EARNINGS IN 1979											WORKED YEAR ROUND FULL TIME IN 1979	
	16 YEARS AND OVER	$1 TO $1,999 OR LOSS	$2,000 TO $5,999	$6,000 TO $9,999	$10,000 TO $14,999	$15,000 TO $19,999	$20,000 TO $24,999	$25,000 TO $49,999	$50,000 OR MORE	MEDIAN EARNINGS	MEAN EARNINGS	TOTAL	MEDIAN EARNINGS
TOTAL													
OPERATORS, FABRICATORS, AND LABORERS	46 831	5 171	11 032	12 870	13 753	3 174	558	213	60	$8 336	$8 262	23 468	$11 060
MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS	35 626	3 166	7 713	9 984	11 601	2 587	352	172	51	$8 867	$8 665	19 250	$11 136
MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION	16 040	1 620	3 818	4 718	4 483	1 097	187	92	25	$8 251	$8 307	8 426	$10 752
METALWORKING AND PLASTIC WORKING MACHINE OPERATORS	1 423	68	285	473	409	163	19	6	-	$9 226	$9 282	818	$11 250
PRINTING MACHINE OPERATORS	1 960	151	359	545	669	191	33	12	-	$9 485	$9 130	1 174	$11 378
TEXTILE, APPAREL, AND FURNISHINGS MACHINE OPERATORS	3 337	559	1 105	1 162	402	77	5	12	15	$6 014	$6 322	1 348	$8 458
TEXTILE MACHINE OPERATORS	222	25	55	65	60	8	-	-	9	$8 553	$9 765	116	$9 860
TEXTILE SEWING MACHINE OPERATORS	1 429	173	521	548	152	35	-	-	-	$6 114	$6 144	592	$7 778
LAUNDERING AND DRYCLEANING MACHINE OPERATORS	1 296	341	440	352	115	30	5	7	6	$4 143	$5 547	398	$8 608
OTHER SPECIFIED MACHINE OPERATORS	3 511	436	941	960	896	214	37	19	8	$7 807	$7 925	1 747	$10 641
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS	5 809	406	1 128	1 578	2 107	452	93	43	2	$9 487	$9 162	3 339	$11 419
OCCUPATION:													
MISCELLANEOUS MACHINE OPERATORS, N.E.C.	1 458	85	293	492	431	119	20	18	-	$8 956	$8 969	787	$10 906
MACHINE OPERATORS, NOT SPECIFIED	4 351	321	835	1 086	1 676	333	73	25	2	$9 753	$9 227	2 552	$11 536
INDUSTRY:													
MANUFACTURING	4 956	292	912	1 306	1 921	404	82	37	2	$9 904	$9 438	3 011	$11 543
NONDURABLE GOODS	2 073	154	410	658	726	102	15	8	-	$8 833	$8 543	1 238	$10 711
FOOD AND KINDRED PRODUCTS	462	37	115	128	167	15	-	-	-	$8 639	$8 128	251	$11 420
TEXTILE MILL AND FINISHED TEXTILE PRODUCTS	117	6	21	65	18	7	-	-	-	$7 235	$7 300	43	$9 500
PAPER AND ALLIED PRODUCTS	457	18	52	145	197	37	-	8	-	$10 191	$9 709	342	$10 657
OTHER NONDURABLE GOODS	1 037	93	222	320	344	43	15	-	-	$8 336	$8 354	602	$10 621
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG	2 883	138	502	648	1 195	302	67	29	2	$10 614	$10 081	1 773	$12 137
METAL INDUSTRIES	567	19	42	79	286	113	28	-	-	$12 762	$12 133	400	$13 359
MACHINERY, INCLUDING ELECTRICAL	1 266	57	216	311	546	105	16	15	-	$10 443	$9 907	812	$11 890
TRANSPORTATION EQUIPMENT	22	-	1	7	14	-	-	-	-	$10 429	$9 165	16	$10 857
OTHER DURABLE GOODS	1 028	62	243	251	349	84	23	14	2	$9 263	$9 184	545	$11 340
NONMANUFACTURING INDUSTRIES	853	114	216	272	186	48	11	6	-	$7 462	$7 559	328	$10 213
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	57	-	10	18	10	14	5	-	-	$12 111	$12 229	14	$15 439
WHOLESALE AND RETAIL TRADE	370	47	102	119	87	9	6	-	-	$7 286	$7 154	115	$9 970
ALL OTHER INDUSTRIES	426	67	104	135	89	25	-	6	-	$7 200	$7 287	199	$10 060
FABRICATORS, ASSEMBLERS, AND HAND WORKING OCCUPATIONS	15 445	1 311	3 275	4 212	5 425	1 002	140	58	22	$9 087	$8 716	8 189	$11 248
WELDERS AND CUTTERS	459	11	50	93	249	46	10	-	-	$11 452	$10 641	317	$12 107
ASSEMBLERS	14 101	1 218	3 021	3 893	4 876	892	125	54	22	$9 010	$8 675	7 407	$11 199
OTHER FABRICATORS AND HAND WORKING OCCUPATIONS	885	82	204	226	300	64	5	4	-	$8 888	$8 374	465	$11 313
PRODUCTION INSPECTORS, TESTERS, SAMPLERS, AND WEIGHERS	4 141	235	620	1 054	1 693	488	25	22	4	$10 452	$9 858	2 635	$12 015
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	2 905	348	1 087	752	438	154	100	25	1	$6 089	$7 266	914	$11 826
MOTOR VEHICLE OPERATORS	2 407	315	1 047	622	235	89	81	17	1	$5 371	$6 561	619	$11 306
TRUCK DRIVERS AND DRIVER-SALES WORKERS	680	68	221	153	147	38	47	6	-	$7 478	$8 612	308	$11 880
BUS DRIVERS	1 514	205	740	417	55	51	34	11	1	$4 812	$5 834	240	$12 000
RAIL AND WATER TRANSPORTATION OCCUPATIONS	44	15	-	9	7	-	7	6	-	$9 556	$10 940	22	$20 988
MATERIAL MOVING EQUIPMENT OPERATORS	454	18	40	121	196	65	12	2	-	$11 231	$10 646	273	$12 282
EXCAVATING, GRADING, AND DOZER MACHINE OPERATORS	5	-	-	5	-	-	-	-	-	$7 000	$7 005	-	-
HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS	8 300	1 657	2 232	2 134	1 714	433	106	16	8	$6 485	$6 882	3 304	$10 373
CONSTRUCTION LABORERS	163	25	66	41	23	5	3	-	-	$5 321	$6 104	24	$9 714
FREIGHT, STOCK, AND MATERIAL HANDLERS	1 616	487	513	349	196	39	32	-	-	$4 074	$5 370	445	$9 667
GARAGE AND SERVICE STATION RELATED OCCUPATIONS	210	80	81	20	15	14	-	-	-	$3 415	$4 582	71	$7 800
HAND PACKERS AND PACKAGERS	3 320	555	850	845	812	209	35	6	8	$7 281	$7 544	1 459	$10 801
OTHER SPECIFIED HANDLERS, EQUIPMENT CLEANERS, AND HELPERS	450	72	144	127	63	33	11	-	-	$6 207	$6 787	148	$10 595
LABORERS, EXCEPT CONSTRUCTION	2 541	438	578	752	605	133	25	10	-	$7 372	$7 235	1 157	$10 171
MANUFACTURING	1 161	172	213	328	363	74	9	2	-	$8 459	$8 039	624	$10 632
NONDURABLE GOODS	484	98	124	129	123	10	-	-	-	$6 930	$6 582	232	$9 783
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG.	677	74	89	199	240	64	9	2	-	$9 453	$9 080	392	$11 140
METAL INDUSTRIES	136	10	26	42	40	10	6	2	-	$8 571	$9 143	85	$10 714
NONMANUFACTURING INDUSTRIES	1 380	266	365	424	242	59	16	8	-	$6 549	$6 559	533	$9 602
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	133	6	36	16	48	22	5	-	-	$10 630	$9 470	56	$14 773
WHOLESALE AND RETAIL TRADE	870	137	231	327	135	29	11	-	-	$6 848	$6 647	342	$9 290
ALL OTHER INDUSTRIES	377	123	98	81	59	8	-	8	-	$3 700	$5 331	135	$8 846
EXPERIENCED UNEMPLOYED NOT CLASSIFIED BY OCCUPATION	34	14	-	5	15	-	-	-	-	$7 200	$6 214	7	$11 000

TABLE 223. OCCUPATION OF EMPLOYED PERSONS BY YEARS OF SCHOOL COMPLETED, RACE, SPANISH ORIGIN, AND SEX: 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]

MINNESOTA

	YEARS OF SCHOOL COMPLETED										PERCENT HIGH SCHOOL GRADUATES	
	ELEMENTARY		HIGH SCHOOL				COLLEGE					
	0 TO 8 YEARS		1 TO 3 YEARS		4 YEARS		1 TO 3 YEARS		4 OR MORE YEARS			
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
TOTAL												
EMPLOYED PERSONS 16 YEARS AND OVER	82 516	33 845	135 362	98 464	413 593	370 965	206 261	185 178	227 416	131 921	79.5	83.9
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS	4 415	1 843	6 951	4 231	48 341	33 760	50 131	43 876	153 363	87 584	95.7	96.5
EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS	3 673	993	5 568	2 485	37 749	22 459	33 774	15 034	62 680	15 715	93.6	93.9
OFFICIALS AND ADMINISTRATORS, PUBLIC ADMINISTRATION	168	23	94	25	1 155	766	783	344	1 835	518	93.5	97.1
ADMINISTRATORS, EDUCATION AND RELATED FIELDS	32	18	41	37	220	172	174	310	3 605	1 250	98.2	96.9
MANAGERS, MEDICINE AND HEALTH	8	32	12	36	76	232	173	352	720	433	98.0	93.7
OTHER SPECIFIED MANAGERS	428	138	584	373	5 306	3 389	5 805	2 116	11 356	2 160	95.7	93.8
MANAGERS AND ADMINISTRATORS, N.E.C., SALARIED	1 878	468	3 274	1 297	21 680	9 245	17 519	5 939	27 195	5 615	92.8	92.2
MANUFACTURING	450	63	824	115	6 226	1 286	4 598	612	9 820	703	94.2	93.6
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	201	22	283	46	2 452	599	1 347	256	1 359	195	91.4	93.9
WHOLESALE AND RETAIL TRADE	504	189	1 082	572	7 224	3 150	6 252	1 895	5 243	1 187	92.2	89.1
ALL OTHER INDUSTRIES	723	194	1 085	564	5 778	4 210	5 322	3 176	10 773	3 530	92.4	93.5
MANAGERS AND ADMINISTRATORS, N.E.C., SELF-EMPLOYED	639	199	787	257	2 942	1 398	1 565	551	1 357	378	80.4	83.6
CONSTRUCTION	134	-	140	-	484	36	303	9	121	-	76.8	100.0
MANUFACTURING	38	2	91	9	318	76	159	56	194	28	83.9	93.6
WHOLESALE AND RETAIL TRADE	252	140	286	146	1 221	714	678	270	454	174	81.4	80.2
ALL OTHER INDUSTRIES	215	57	270	102	919	572	425	216	588	176	79.9	85.8
MANAGEMENT RELATED OCCUPATIONS	520	115	776	460	6 370	7 257	7 755	5 422	16 612	5 361	96.0	96.9
ACCOUNTANTS AND AUDITORS	40	5	66	169	1 010	2 830	3 181	2 630	8 565	2 273	99.2	97.8
BUYERS AND PURCHASING AGENTS	208	37	245	54	1 779	1 149	1 369	801	1 642	648	91.4	96.6
PROFESSIONAL SPECIALTY OCCUPATIONS	742	850	1 383	1 746	10 592	11 301	16 357	28 842	90 683	71 869	98.2	97.7
ENGINEERS, ARCHITECTS, AND SURVEYORS	126	-	295	49	3 898	299	5 007	225	14 649	647	98.2	96.0
ARCHITECTS	2	-	21	-	124	2	184	16	1 480	132	98.7	100.0
ENGINEERS	117	-	233	49	3 535	294	4 526	207	13 043	505	98.4	95.4
ELECTRICAL AND ELECTRONIC ENGINEERS	27	-	56	20	810	53	1 070	24	3 461	72	98.5	88.2
MECHANICAL ENGINEERS	21	-	43	2	598	4	813	7	2 119	17	98.2	93.3
OTHER ENGINEERS	69	-	134	27	2 127	237	2 643	176	7 463	416	98.4	96.8
SURVEYORS AND MAPPING SCIENTISTS	7	-	41	-	239	3	297	2	126	10	93.2	100.0
MATHEMATICAL AND COMPUTER SCIENTISTS	23	4	23	8	641	456	1 151	332	2 724	739	99.0	99.2
COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS	23	-	16	-	445	280	921	227	2 044	461	98.9	100.0
NATURAL SCIENTISTS	29	-	51	22	317	125	379	123	3 088	634	97.9	97.6
HEALTH DIAGNOSING OCCUPATIONS	10	10	22	7	52	93	148	152	10 570	873	99.7	98.5
PHYSICIANS	8	10	8	-	27	12	67	77	6 666	659	99.8	98.7
DENTISTS	-	-	7	3	-	22	21	39	2 371	112	99.7	98.3
OTHER HEALTH DIAGNOSING PRACTITIONERS	2	-	7	4	25	59	60	36	1 533	102	99.4	98.0
HEALTH ASSESSMENT AND TREATING OCCUPATIONS	38	214	26	236	301	2 706	988	16 659	3 444	13 223	98.7	98.6
REGISTERED NURSES	7	83	2	140	62	2 094	543	15 772	723	10 088	99.3	99.2
PHARMACISTS	6	3	-	-	8	37	45	66	1 873	527	99.7	99.5
THERAPISTS	13	46	18	28	118	236	245	708	725	1 996	97.2	97.5
TEACHERS, LIBRARIANS, AND COUNSELORS	205	388	291	736	1 571	3 546	2 894	6 739	32 774	44 965	98.7	98.0
TEACHERS, POSTSECONDARY	53	13	20	57	230	193	624	618	6 944	2 978	99.1	98.2
TEACHERS, ELEMENTARY AND PRE-KINDERGARTEN	60	202	62	255	264	1 444	576	3 170	12 375	26 392	99.1	98.5
TEACHERS, SECONDARY	35	65	52	115	271	531	594	1 002	10 222	10 051	99.2	98.5
SOCIAL SCIENTISTS AND URBAN PLANNERS	18	10	11	7	95	171	322	164	2 329	896	99.0	98.6
SOCIAL AND RECREATION WORKERS	35	85	93	194	310	1 289	682	1 185	2 506	3 922	96.5	95.8
RELIGIOUS WORKERS	54	34	23	20	178	172	491	276	5 389	864	98.7	96.0
LAWYERS AND JUDGES	22	-	23	7	77	104	63	128	7 397	1 044	99.4	99.5
WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES	182	105	525	460	3 152	2 340	4 232	2 859	5 813	4 062	94.9	94.2
TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS	6 276	5 839	15 680	32 555	73 065	196 727	59 176	98 122	46 892	33 577	89.1	89.5
TECHNICIANS AND RELATED SUPPORT OCCUPATIONS	468	312	995	699	11 141	8 736	13 481	13 421	10 638	5 844	96.0	96.5
HEALTH TECHNOLOGISTS AND TECHNICIANS	47	222	90	369	571	5 561	768	10 444	1 040	3 031	94.6	97.0
LICENSED PRACTICAL NURSES	10	168	8	194	48	3 363	42	6 161	31	150	87.1	96.4
ENGINEERING AND SCIENCE TECHNICIANS	327	61	610	220	7 140	1 487	8 290	1 453	2 755	722	95.1	92.9
ELECTRICAL AND ELECTRONIC TECHNICIANS	44	13	189	32	2 581	355	2 863	268	571	62	96.3	93.8
DRAFTING AND SURVEYING TECHNICIANS	103	5	178	4	2 379	203	3 046	371	680	106	95.6	98.7
TECHNICIANS, EXCEPT HEALTH, ENGINEERING, AND SCIENCE	94	29	295	110	3 430	1 688	4 423	1 524	6 843	2 091	97.4	97.4
AIRPLANE PILOTS AND NAVIGATORS	-	-	25	-	214	6	554	-	953	14	98.6	100.0
COMPUTER PROGRAMMERS	36	5	88	30	940	665	1 952	668	3 883	1 085	98.2	98.6
SALES OCCUPATIONS	3 529	2 805	8 918	17 625	34 069	41 295	27 379	18 501	24 932	8 133	87.4	76.9
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS	914	207	1 245	604	7 737	2 970	4 926	1 650	3 501	1 069	88.2	87.5
SELF-EMPLOYED	516	89	401	164	2 246	874	1 003	459	641	216	80.9	86.0
SALES REPRESENTATIVES, FINANCE AND BUSINESS SERVICES	570	92	787	498	6 199	4 817	7 070	3 404	10 134	2 380	94.5	94.7
SALES REPRESENTATIVES, COMMODITIES, EXCEPT RETAIL	685	56	982	248	7 567	1 370	6 814	897	7 356	921	92.9	91.3
SALES WORKERS, RETAIL AND PERSONAL SERVICES	1 327	2 434	5 855	16 238	12 456	31 940	8 521	12 419	3 886	3 714	77.6	72.0
CASHIERS	113	687	1 345	7 378	1 255	11 942	916	3 911	265	720	62.6	67.3
SALES RELATED OCCUPATIONS	33	16	49	37	110	198	48	131	55	49	72.2	87.7

TABLE 223. OCCUPATION OF EMPLOYED PERSONS BY YEARS OF SCHOOL COMPLETED, RACE, SPANISH ORIGIN, AND SEX: 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]

MINNESOTA

	YEARS OF SCHOOL COMPLETED										PERCENT HIGH SCHOOL GRADUATES	
	ELEMENTARY		HIGH SCHOOL				COLLEGE					
	0 TO 8 YEARS		1 TO 3 YEARS		4 YEARS		1 TO 3 YEARS		4 OR MORE YEARS			
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
TOTAL												
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL	2 279	2 722	5 767	14 231	27 855	146 696	18 316	66 200	11 322	19 600	87.7	93.2
SUPERVISORS, ADMINISTRATIVE SUPPORT OCCUPATIONS	160	42	367	264	2 751	4 239	2 096	2 069	2 042	818	92.9	95.9
COMPUTER EQUIPMENT OPERATORS	13	42	99	194	1 027	2 566	1 144	1 173	458	434	95.9	94.6
SECRETARIES, STENOGRAPHERS, AND TYPISTS	14	413	99	3 042	407	50 427	467	26 462	314	5 943	91.3	96.0
SECRETARIES	12	334	82	2 274	233	41 942	265	23 004	164	5 081	87.6	96.4
RECEPTIONISTS	14	125	46	879	144	6 122	200	3 045	72	679	87.4	90.7
FILE CLERKS	24	57	127	518	459	1 863	247	618	156	202	85.1	82.4
FINANCIAL RECORDS PROCESSING OCCUPATIONS	130	564	249	2 131	2 004	27 147	1 724	10 768	1 038	2 814	92.6	93.8
BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS	92	519	161	1 790	1 471	23 036	1 374	9 423	770	2 397	93.5	93.8
TELEPHONE OPERATORS	2	41	9	378	172	2 288	213	598	49	154	97.5	87.9
MAIL AND MESSAGE DISTRIBUTING OCCUPATIONS	403	215	823	463	5 270	2 741	2 497	924	690	222	87.3	85.1
TRAFFIC, SHIPPING, STOCK AND INVENTORY CLERKS	743	192	2 118	758	6 859	3 694	2 787	982	918	287	78.7	83.9
INSURANCE ADJUSTERS, EXAMINERS, AND INVESTIGATORS	13	-	5	107	238	1 005	354	532	743	494	98.7	95.0
BANK TELLERS	10	41	34	393	159	4 757	275	1 997	115	555	92.6	94.4
DATA-ENTRY KEYERS	16	40	44	406	207	5 769	186	1 533	98	255	89.1	94.4
OTHER ADMINISTRATIVE SUPPORT OCCUPATIONS	737	950	1 747	4 698	8 158	34 078	6 126	15 499	4 629	6 743	88.4	90.9
SERVICE OCCUPATIONS	9 353	15 163	26 900	40 909	31 997	76 892	19 461	30 530	6 227	7 201	61.4	67.2
PRIVATE HOUSEHOLD OCCUPATIONS	57	1 344	107	1 729	55	2 554	42	849	10	232	39.5	54.2
PROTECTIVE SERVICE OCCUPATIONS	751	30	1 096	280	6 050	547	5 348	605	1 988	260	87.9	82.0
FIREFIGHTING OCCUPATIONS	19	-	133	4	914	9	477	-	94	-	90.7	69.2
POLICE AND DETECTIVES, PUBLIC SERVICE	52	-	118	11	1 798	53	2 115	63	834	56	96.5	94.0
GUARDS	546	28	659	249	2 118	399	1 607	399	530	118	77.9	76.8
OTHER PROTECTIVE SERVICE OCCUPATIONS	134	2	186	16	1 220	86	1 149	143	530	86	90.1	94.6
SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD	8 545	13 789	25 697	38 900	25 892	73 791	14 071	29 076	4 229	6 709	56.3	67.5
FOOD PREPARATION AND SERVICE OCCUPATIONS	1 533	6 297	14 336	22 927	7 833	30 416	5 375	10 012	1 191	1 769	47.6	59.1
WAITERS AND FOOD COUNTER WORKERS	91	1 453	1 159	13 514	663	13 516	704	5 796	222	1 018	56.0	57.6
COOKS	380	2 901	6 329	4 125	3 259	8 373	1 564	1 593	228	315	43.0	59.4
HEALTH SERVICE OCCUPATIONS	199	2 329	832	7 712	1 299	18 694	1 517	9 072	959	1 653	78.5	74.6
NURSING AIDES, ORDERLIES, AND ATTENDANTS	159	1 916	533	6 152	1 106	14 855	1 286	6 313	816	1 177	82.3	73.5
CLEANING AND BUILDING SERVICE OCCUPATIONS EXC. HOUSEHOLD	6 470	3 599	9 350	5 031	14 336	7 889	5 542	1 577	1 343	352	57.3	53.2
PERSONAL SERVICE OCCUPATIONS	343	1 564	1 179	3 230	2 424	16 792	1 637	8 415	736	2 935	75.9	85.4
BARBERS, HAIRDRESSERS AND COSMETOLOGISTS	218	249	179	615	1 440	5 595	602	2 381	59	72	84.1	90.3
FARMING, FORESTRY, AND FISHING OCCUPATIONS	22 799	2 285	13 472	2 353	40 065	7 803	10 852	2 343	4 116	814	60.3	70.3
FARM OPERATORS AND MANAGERS	19 219	1 072	6 499	556	30 236	3 522	7 677	970	3 200	376	61.5	74.9
FARM OCCUPATIONS, EXCEPT MANAGERIAL	2 596	1 166	5 713	1 564	6 987	3 710	2 036	1 026	440	335	53.2	65.0
RELATED AGRICULTURAL OCCUPATIONS	645	44	765	206	1 904	502	815	315	303	91	68.2	78.4
FORESTRY AND FISHING OCCUPATIONS	339	3	495	27	938	69	324	32	173	12	63.2	79.0
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS	16 498	1 403	25 157	2 817	107 558	10 050	35 787	2 639	9 814	1 168	78.6	76.7
MECHANICS AND REPAIRERS	5 721	96	8 306	195	35 801	1 151	12 816	365	1 871	216	78.3	85.6
AUTOMOBILE MECHANICS, INCLUDING BODY	2 107	12	3 408	35	11 777	49	3 843	26	350	28	74.3	68.7
AIRCRAFT MECHANICS	55	1	95	-	1 250	12	574	5	67	-	92.7	94.4
HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS	102	2	86	-	828	-	377	7	35	7	86.8	87.5
OTHER MECHANICS AND REPAIRERS	3 457	81	4 717	160	21 946	1 090	8 022	327	1 419	181	79.3	86.9
CONSTRUCTION TRADES	6 377	75	9 110	180	38 883	686	12 739	320	3 822	192	78.2	82.5
CARPENTERS	2 365	31	2 805	55	11 512	165	3 998	48	1 321	44	76.5	74.9
ELECTRICIANS	361	-	690	20	5 144	69	2 420	25	383	12	88.3	84.1
PAINTERS, CONSTRUCTION AND MAINTENANCE	560	15	937	40	2 269	155	949	131	336	65	70.4	86.5
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	648	2	870	5	4 330	31	1 103	11	264	-	79.0	85.7
OTHER CONSTRUCTION TRADES	2 443	27	3 808	60	15 628	266	4 269	105	1 518	71	77.4	83.6
EXTRACTIVE OCCUPATIONS	156	5	284	7	1 207	18	217	5	286	-	79.5	65.7
PRECISION PRODUCTION OCCUPATIONS	4 244	1 227	7 457	2 435	31 667	8 195	10 015	1 949	3 835	760	79.6	74.9
SUPERVISORS, PRODUCTION OCCUPATIONS	1 378	223	2 448	699	11 271	2 451	4 161	611	2 501	397	82.4	79.0
MANUFACTURING	1 028	133	1 721	514	8 170	1 477	2 651	296	1 669	199	82.0	75.3
PRECISION METALWORKING OCCUPATIONS	1 089	40	1 961	197	9 089	620	2 531	137	426	27	79.8	76.8
TOOL AND DIE MAKERS	152	2	267	15	2 030	51	619	-	56	-	86.6	75.0
MACHINISTS	682	23	1 260	102	5 031	299	1 311	23	231	2	77.2	72.2
SHEET METAL WORKERS	174	1	293	3	1 285	34	338	24	68	-	78.4	93.5
OTHER PRECISION METAL WORKERS	81	14	141	77	743	236	263	90	71	25	82.9	79.4
PRECISION TEXTILE, APPAREL, AND FURNISHINGS MACHINE WORKERS	212	344	327	419	607	1 390	238	456	46	200	62.3	72.8
PLANT AND SYSTEM OPERATORS	410	2	584	17	2 704	87	703	24	331	2	79.0	85.6
OTHER PRECISION PRODUCTION OCCUPATIONS	1 155	618	2 137	1 103	7 996	3 647	2 382	721	531	134	76.8	72.3

TABLE 223. OCCUPATION OF EMPLOYED PERSONS BY YEARS OF SCHOOL COMPLETED, RACE, SPANISH ORIGIN, AND SEX: 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]

MINNESOTA

	YEARS OF SCHOOL COMPLETED										PERCENT HIGH SCHOOL GRADUATES	
	ELEMENTARY		HIGH SCHOOL				COLLEGE					
	0 TO 8 YEARS		1 TO 3 YEARS		4 YEARS		1 TO 3 YEARS		4 OR MORE YEARS			
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
TOTAL												
OPERATORS, FABRICATORS, AND LABORERS	23 175	7 312	47 202	15 599	112 567	45 733	30 854	7 668	7 004	1 577	68.1	70.6
MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS	8 669	5 435	15 342	11 295	48 820	34 470	12 458	5 032	2 749	1 170	72.7	70.9
MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION	5 526	3 206	9 539	5 942	31 111	16 627	7 573	2 741	1 761	716	72.9	68.7
METALWORKING AND PLASTIC WORKING MACHINE OPERATORS	1 124	182	1 638	521	4 909	1 199	1 073	217	196	27	69.1	67.2
PRINTING MACHINE OPERATORS	151	131	773	406	5 162	1 976	1 524	701	271	246	88.3	84.5
TEXTILE, APPAREL, AND FURNISHINGS MACHINE OPERATORS	178	1 375	439	1 852	751	3 922	320	464	82	160	65.1	58.5
TEXTILE MACHINE OPERATORS	24	96	90	87	258	291	82	35	24	45	76.2	67.0
TEXTILE SEWING MACHINE OPERATORS	11	518	21	710	72	1 833	22	243	19	89	77.9	63.8
LAUNDERING AND DRYCLEANING MACHINE OPERATORS	106	612	255	798	313	1 289	184	150	32	22	59.4	50.9
OTHER SPECIFIED MACHINE OPERATORS	2 174	579	3 456	1 240	10 473	3 804	2 592	601	632	145	70.9	71.4
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS	1 899	939	3 233	1 923	9 816	5 726	2 064	758	580	138	70.8	69.8
OCCUPATION:												
MISCELLANEOUS MACHINE OPERATORS, N.E.C.	471	221	885	482	2 585	1 753	674	271	177	68	71.7	74.8
MACHINE OPERATORS, NOT SPECIFIED	1 428	718	2 348	1 441	7 231	3 973	1 390	487	403	70	70.5	67.7
INDUSTRY:												
MANUFACTURING	1 523	833	2 721	1 649	8 277	4 825	1 539	602	402	77	70.7	68.9
NONDURABLE GOODS	612	376	937	760	3 346	2 087	684	272	158	26	73.0	67.7
FOOD AND KINDRED PRODUCTS	276	133	281	210	1 003	572	130	78	59	3	68.2	65.6
TEXTILE MILL AND FINISHED TEXTILE PRODUCTS	15	36	22	52	66	177	18	10	6	5	70.9	68.6
PAPER AND ALLIED PRODUCTS	154	58	235	102	1 178	363	261	41	26	12	79.0	72.2
OTHER NONDURABLE GOODS	167	149	399	396	1 099	975	275	143	67	6	71.8	67.3
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG	911	457	1 784	889	4 931	2 738	855	330	244	51	69.1	69.9
METAL INDUSTRIES	253	79	611	204	1 383	398	232	75	61	4	66.0	62.8
MACHINERY, INCLUDING ELECTRICAL	366	150	668	350	2 191	1 374	368	143	82	27	71.9	75.5
TRANSPORTATION EQUIPMENT	58	6	66	11	172	31	34	3	10	-	63.5	66.7
OTHER DURABLE GOODS	234	222	439	324	1 185	935	221	109	91	20	69.0	66.1
NONMANUFACTURING INDUSTRIES	376	106	512	274	1 539	901	525	156	178	61	71.6	74.6
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	67	9	142	10	384	43	107	7	41	2	71.8	73.2
WHOLESALE AND RETAIL TRADE	217	51	163	168	586	473	151	67	39	35	67.1	72.4
ALL OTHER INDUSTRIES	92	46	207	96	569	385	267	82	98	24	75.8	77.6
FABRICATORS, ASSEMBLERS, AND HAND WORKING OCCUPATIONS	2 735	1 752	5 227	4 276	14 834	14 162	3 799	1 735	604	301	70.7	72.9
WELDERS AND CUTTERS	1 314	42	2 309	86	7 320	502	1 818	56	123	5	71.9	81.5
ASSEMBLERS	1 289	1 610	2 647	3 785	6 860	12 878	1 774	1 565	434	236	69.7	73.1
OTHER FABRICATORS AND HAND WORKING OCCUPATIONS	132	100	271	405	654	782	207	114	47	60	69.3	65.4
PRODUCTION INSPECTORS, TESTERS, SAMPLERS, AND WEIGHERS	408	477	576	1 077	2 875	3 681	1 086	556	384	153	81.5	73.9
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	8 905	256	12 872	704	37 132	3 078	10 219	1 011	2 270	121	69.5	81.4
MOTOR VEHICLE OPERATORS	6 502	217	9 654	590	27 158	2 527	7 930	860	1 754	96	69.5	81.2
TRUCK DRIVERS AND DRIVER-SALES WORKERS	5 476	58	8 372	215	23 378	660	5 807	232	1 093	28	68.6	77.1
BUS DRIVERS	763	143	814	329	2 623	1 697	1 387	519	439	49	73.8	82.8
RAIL AND WATER TRANSPORTATION OCCUPATIONS	263	2	720	8	2 296	63	793	27	183	12	76.9	91.1
MATERIAL MOVING EQUIPMENT OPERATORS	2 140	37	2 498	106	7 678	488	1 496	124	333	13	67.2	81.4
EXCAVATING, GRADING, AND DOZER MACHINE OPERATORS	380	-	290	5	741	1	130	8	24	-	57.2	64.3
HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS	5 601	1 621	18 988	3 600	26 615	8 185	8 177	1 625	1 985	286	59.9	65.9
CONSTRUCTION LABORERS	1 037	43	1 680	36	5 002	74	1 268	45	377	18	71.0	63.4
FREIGHT, STOCK, AND MATERIAL HANDLERS	1 215	227	8 794	900	6 738	1 706	2 700	407	541	53	49.9	65.8
GARAGE AND SERVICE STATION RELATED OCCUPATIONS	468	14	2 922	195	2 074	238	609	107	101	3	45.1	62.5
HAND PACKERS AND PACKAGERS	306	696	600	1 237	1 331	3 152	379	482	115	117	66.8	66.0
OTHER SPECIFIED HANDLERS, EQUIPMENT CLEANERS, AND HELPERS	439	134	1 358	252	2 292	477	541	172	170	14	62.6	63.2
LABORERS, EXCEPT CONSTRUCTION	2 136	507	3 634	980	9 178	2 538	2 680	412	681	81	68.5	67.1
MANUFACTURING	933	300	1 472	505	3 966	1 563	794	199	214	25	67.4	68.9
NONDURABLE GOODS	529	199	767	274	2 112	799	413	123	117	13	67.1	66.4
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG.	404	101	705	231	1 854	764	381	76	97	12	67.8	72.0
METAL INDUSTRIES	131	27	238	53	552	105	92	18	28	3	64.6	61.2
NONMANUFACTURING INDUSTRIES	1 203	207	2 162	475	5 212	975	1 886	213	467	56	69.2	64.6
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	360	6	410	27	1 371	71	452	31	109	8	71.5	76.9
WHOLESALE AND RETAIL TRADE	446	95	1 136	267	2 961	579	1 101	79	251	28	73.2	65.5
ALL OTHER INDUSTRIES	397	106	616	181	880	325	333	103	107	20	56.6	61.0

TABLE 223. OCCUPATION OF EMPLOYED PERSONS BY YEARS OF SCHOOL COMPLETED, RACE, SPANISH ORIGIN, AND SEX: 1980 - CON.

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MINNESOTA

	YEARS OF SCHOOL COMPLETED										PERCENT HIGH SCHOOL GRADUATES	
	ELEMENTARY		HIGH SCHOOL				COLLEGE					
	0 TO 8 YEARS		1 TO 3 YEARS		4 YEARS		1 TO 3 YEARS		4 OR MORE YEARS			
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
WHITE												
EMPLOYED PERSONS 16 YEARS AND OVER	80 352	32 293	131 404	94 773	406 074	363 477	201 083	180 895	221 477	128 433	79.6	84.1
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS	4 287	1 726	6 709	3 977	47 546	33 007	48 983	42 871	149 639	85 638	95.7	96.6
EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS	3 601	950	5 466	2 423	37 343	22 074	33 246	14 576	61 446	15 217	93.6	93.9
OFFICIALS AND ADMINISTRATORS, PUBLIC ADMINISTRATION	166	23	80	20	1 121	762	756	327	1 808	505	93.7	97.4
ADMINISTRATORS, EDUCATION AND RELATED FIELDS	32	18	34	37	210	162	168	292	3 530	1 173	98.3	96.7
MANAGERS, MEDICINE AND HEALTH	8	23	12	34	71	228	161	343	706	423	97.9	94.6
OTHER SPECIFIED MANAGERS	416	138	579	360	5 285	3 334	5 776	2 032	11 208	2 092	95.7	93.7
MANAGERS AND ADMINISTRATORS, N.E.C., SALARIED	1 835	445	3 228	1 272	21 495	9 090	17 250	5 825	26 652	5 524	92.8	92.3
MANUFACTURING	450	56	824	110	6 181	1 274	4 524	578	9 673	685	94.1	93.9
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	200	22	280	46	2 427	599	1 345	256	1 332	195	91.4	93.9
WHOLESALE AND RETAIL TRADE	496	189	1 074	567	7 165	3 088	6 150	1 846	5 156	1 169	92.2	89.0
ALL OTHER INDUSTRIES	689	178	1 050	549	5 722	4 129	5 231	3 145	10 491	3 475	92.5	93.7
MANAGERS AND ADMINISTRATORS, N.E.C., SELF-EMPLOYED	634	195	776	247	2 912	1 365	1 563	551	1 323	368	80.4	83.8
CONSTRUCTION	134	-	140	-	484	36	303	9	121	-	76.8	100.0
MANUFACTURING	38	2	91	9	310	76	159	56	194	28	83.7	93.6
WHOLESALE AND RETAIL TRADE	247	138	281	146	1 206	705	678	270	431	174	81.4	80.2
ALL OTHER INDUSTRIES	215	55	264	92	912	548	423	216	577	166	80.0	86.4
MANAGEMENT RELATED OCCUPATIONS	510	108	757	453	6 249	7 133	7 572	5 206	16 219	5 132	96.0	96.9
ACCOUNTANTS AND AUDITORS	38	5	66	162	997	2 808	3 127	2 535	8 331	2 171	99.2	97.8
BUYERS AND PURCHASING AGENTS	208	37	241	54	1 770	1 144	1 350	797	1 635	626	91.4	96.6
PROFESSIONAL SPECIALTY OCCUPATIONS	686	776	1 243	1 554	10 203	10 933	15 737	28 295	88 193	70 421	98.3	97.9
ENGINEERS, ARCHITECTS, AND SURVEYORS	117	-	282	49	3 836	293	4 909	202	14 019	598	98.3	95.7
ARCHITECTS	2	-	21	-	124	2	184	16	1 446	132	98.7	100.0
ENGINEERS	108	-	220	49	3 473	288	4 430	184	12 447	456	98.4	95.0
ELECTRICAL AND ELECTRONIC ENGINEERS	18	-	56	20	778	47	1 036	18	3 284	72	98.6	87.3
MECHANICAL ENGINEERS	21	-	32	2	578	4	795	7	2 026	7	98.5	90.0
OTHER ENGINEERS	69	-	132	27	2 117	237	2 599	159	7 137	377	98.3	96.6
SURVEYORS AND MAPPING SCIENTISTS	7	-	41	-	239	3	295	2	126	10	93.2	100.0
MATHEMATICAL AND COMPUTER SCIENTISTS	23	-	23	6	634	441	1 124	306	2 570	696	98.9	99.6
COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS	23	-	16	-	438	265	901	207	1 931	422	98.8	100.0
NATURAL SCIENTISTS	29	-	38	22	299	115	347	114	2 952	602	98.2	97.4
HEALTH DIAGNOSING OCCUPATIONS	10	-	7	7	52	93	141	146	10 219	748	99.8	99.3
PHYSICIANS	8	-	-	-	27	12	60	71	6 358	556	99.9	100.0
DENTISTS	-	-	-	3	-	22	21	39	2 333	90	100.0	98.1
OTHER HEALTH DIAGNOSING PRACTITIONERS	2	-	7	4	25	59	60	36	1 528	102	99.4	98.0
HEALTH ASSESSMENT AND TREATING OCCUPATIONS	31	186	20	215	295	2 693	960	16 517	3 410	12 971	98.9	98.8
REGISTERED NURSES	-	62	2	119	62	2 089	529	15 641	708	9 876	99.8	99.3
PHARMACISTS	6	3	-	-	8	37	45	66	1 869	522	99.7	99.5
THERAPISTS	13	46	12	28	112	232	231	700	710	1 970	97.7	97.5
TEACHERS, LIBRARIANS, AND COUNSELORS	195	377	254	642	1 453	3 362	2 733	6 545	32 023	44 280	98.8	98.2
TEACHERS, POSTSECONDARY	48	13	20	36	206	168	575	599	6 526	2 868	99.1	98.7
TEACHERS, ELEMENTARY AND PRE-KINDERGARTEN	60	199	55	207	226	1 338	560	3 080	12 213	26 025	99.1	98.7
TEACHERS, SECONDARY	33	65	52	99	250	512	550	985	10 174	9 930	99.2	98.6
SOCIAL SCIENTISTS AND URBAN PLANNERS	18	2	11	7	87	155	317	159	2 256	873	98.9	99.2
SOCIAL AND RECREATION WORKERS	29	79	54	162	260	1 212	569	1 104	2 397	3 807	97.5	96.2
RELIGIOUS WORKERS	52	27	15	12	166	172	488	275	5 329	853	98.9	97.1
LAWYERS AND JUDGES	17	-	23	7	72	95	57	128	7 305	1 037	99.5	99.4
WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES	165	105	516	425	3 049	2 302	4 092	2 799	5 713	3 956	95.0	94.5
TECHNICAL,SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS	6 121	5 600	15 194	31 614	71 670	193 451	57 654	95 858	45 393	32 488	89.1	89.6
TECHNICIANS AND RELATED SUPPORT OCCUPATIONS	454	292	963	652	10 967	8 541	13 062	13 260	9 980	5 527	96.0	96.7
HEALTH TECHNOLOGISTS AND TECHNICIANS	47	209	90	337	554	5 480	731	10 383	977	2 921	94.3	97.2
LICENSED PRACTICAL NURSES	10	161	8	177	48	3 324	37	6 109	31	150	86.6	96.6
ENGINEERING AND SCIENCE TECHNICIANS	322	54	590	205	7 030	1 448	8 041	1 396	2 639	680	95.1	93.2
ELECTRICAL AND ELECTRONIC TECHNICIANS	44	13	180	25	2 528	347	2 737	229	540	57	96.3	94.3
DRAFTING AND SURVEYING TECHNICIANS	103	5	178	4	2 352	200	3 003	366	652	106	95.5	98.7
TECHNICIANS, EXCEPT HEALTH, ENGINEERING, AND SCIENCE	85	29	283	110	3 383	1 613	4 290	1 481	6 364	1 926	97.4	97.3
AIRPLANE PILOTS AND NAVIGATORS	-	-	25	-	214	-	554	-	941	14	98.6	100.0
COMPUTER PROGRAMMERS	30	5	83	30	915	648	1 904	643	3 634	969	98.3	98.5
SALES OCCUPATIONS	3 474	2 755	8 754	17 298	33 782	40 882	27 009	18 214	24 502	7 986	87.5	77.0
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS	903	200	1 210	592	7 694	2 937	4 857	1 636	3 466	1 066	88.3	87.7
SELF-EMPLOYED	505	89	397	164	2 231	874	993	452	639	216	81.1	85.9
SALES REPRESENTATIVES, FINANCE AND BUSINESS SERVICES	555	92	787	493	6 153	4 778	6 967	3 334	9 973	2 329	94.5	94.7
SALES REPRESENTATIVES, COMMODITIES, EXCEPT RETAIL	685	55	967	242	7 499	1 368	6 749	897	7 234	908	92.9	91.4
SALES WORKERS, RETAIL AND PERSONAL SERVICES	1 298	2 392	5 741	15 934	12 326	31 601	8 388	12 216	3 774	3 634	77.7	72.1
CASHIERS	113	683	1 306	7 194	1 229	11 753	897	3 837	254	707	62.6	67.4
SALES RELATED OCCUPATIONS	33	16	49	37	110	198	48	131	55	49	72.2	87.7

TABLE 223. OCCUPATION OF EMPLOYED PERSONS BY YEARS OF SCHOOL COMPLETED, RACE, SPANISH ORIGIN, AND SEX: 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]

MINNESOTA

	YEARS OF SCHOOL COMPLETED										PERCENT HIGH SCHOOL GRADUATES	
	ELEMENTARY		HIGH SCHOOL				COLLEGE					
	0 TO 8 YEARS		1 TO 3 YEARS		4 YEARS		1 TO 3 YEARS		4 OR MORE YEARS			
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
WHITE												
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL	2 193	2 553	5 477	13 664	26 921	144 028	17 583	64 384	10 911	18 975	87.8	93.3
SUPERVISORS, ADMINISTRATIVE SUPPORT OCCUPATIONS	148	38	332	264	2 703	4 147	2 032	2 045	2 008	791	93.4	95.9
COMPUTER EQUIPMENT OPERATORS	13	36	92	179	973	2 512	1 088	1 146	433	397	96.0	95.0
SECRETARIES, STENOGRAPHERS, AND TYPISTS	14	382	98	2 901	391	49 621	455	25 905	301	5 817	91.1	96.1
SECRETARIES	12	315	81	2 174	233	41 361	265	22 564	158	4 996	87.6	96.5
RECEPTIONISTS	14	111	46	866	136	6 030	189	2 953	65	663	86.7	90.8
FILE CLERKS	24	55	117	477	431	1 769	243	582	141	186	85.3	82.7
FINANCIAL RECORDS PROCESSING OCCUPATIONS	130	548	213	2 074	1 945	26 839	1 684	10 553	986	2 736	93.1	93.9
BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS	92	503	152	1 745	1 432	22 800	1 348	9 281	741	2 349	93.5	93.9
TELEPHONE OPERATORS	2	41	9	368	172	2 253	213	576	49	147	97.5	87.9
MAIL AND MESSAGE DISTRIBUTING OCCUPATIONS	396	195	794	436	5 115	2 661	2 411	862	672	222	87.3	85.6
TRAFFIC, SHIPPING, STOCK AND INVENTORY CLERKS	709	187	2 034	754	6 576	3 645	2 663	972	881	287	78.7	83.9
INSURANCE ADJUSTERS, EXAMINERS, AND INVESTIGATORS	13	-	5	107	238	985	336	497	726	462	98.6	94.8
BANK TELLERS	10	41	34	377	159	4 653	265	1 968	110	522	92.4	94.5
DATA-ENTRY KEYERS	9	34	44	397	200	5 541	166	1 407	94	244	89.7	94.3
OTHER ADMINISTRATIVE SUPPORT OCCUPATIONS	711	885	1 659	4 464	7 882	33 372	5 838	14 918	4 445	6 501	88.5	91.1
SERVICE OCCUPATIONS	8 697	14 537	25 824	39 501	30 693	75 293	18 530	29 864	5 966	6 914	61.5	67.5
PRIVATE HOUSEHOLD OCCUPATIONS	57	1 316	99	1 691	55	2 516	42	843	10	232	40.7	54.4
PROTECTIVE SERVICE OCCUPATIONS	700	30	1 063	259	5 819	520	5 166	599	1 968	256	88.0	82.6
FIREFIGHTING OCCUPATIONS	19	-	127	4	881	9	465	-	94	-	90.8	69.2
POLICE AND DETECTIVES, PUBLIC SERVICE	52	-	118	1	1 725	53	2 074	63	829	56	96.5	99.4
GUARDS	497	28	641	238	2 012	382	1 501	393	523	118	78.0	77.0
OTHER PROTECTIVE SERVICE OCCUPATIONS	132	2	177	16	1 201	76	1 126	143	522	82	90.2	94.4
SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD	7 940	13 191	24 662	37 551	24 819	72 257	13 322	28 422	3 988	6 426	56.4	67.9
FOOD PREPARATION AND SERVICE OCCUPATIONS	1 321	6 060	13 931	22 394	7 441	29 975	5 106	9 855	1 118	1 677	47.3	59.3
WAITERS AND FOOD COUNTER WORKERS	54	1 383	1 132	13 221	652	13 375	658	5 701	202	988	56.0	57.9
COOKS	284	2 829	6 194	4 042	2 970	8 249	1 494	1 576	206	308	41.9	59.6
HEALTH SERVICE OCCUPATIONS	151	2 206	779	7 399	1 209	18 217	1 438	8 811	880	1 591	79.1	74.9
NURSING AIDES, ORDERLIES, AND ATTENDANTS	126	1 825	487	5 888	1 029	14 445	1 236	6 079	747	1 128	83.1	73.7
CLEANING AND BUILDING SERVICE OCCUPATIONS EXC. HOUSEHOLD	6 125	3 490	8 865	4 684	13 862	7 614	5 244	1 519	1 280	331	57.6	53.7
PERSONAL SERVICE OCCUPATIONS	343	1 435	1 087	3 074	2 307	16 451	1 534	8 237	710	2 827	76.1	85.9
BARBERS, HAIRDRESSERS AND COSMETOLOGISTS	218	236	171	590	1 402	5 527	588	2 337	59	72	84.0	90.6
FARMING, FORESTRY, AND FISHING OCCUPATIONS	22 722	2 276	13 368	2 307	39 979	7 768	10 786	2 333	4 103	814	60.3	70.4
FARM OPERATORS AND MANAGERS	19 210	1 069	6 492	554	30 209	3 519	7 664	968	3 198	376	61.5	75.0
FARM OCCUPATIONS, EXCEPT MANAGERIAL	2 562	1 160	5 688	1 539	6 955	3 695	2 023	1 026	438	335	53.3	65.2
RELATED AGRICULTURAL OCCUPATIONS	633	44	730	187	1 886	488	800	309	298	91	68.6	79.4
FORESTRY AND FISHING OCCUPATIONS	317	3	458	27	929	66	299	30	169	12	64.3	78.3
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS	16 183	1 320	24 618	2 664	106 310	9 763	35 229	2 568	9 653	1 092	78.7	77.1
MECHANICS AND REPAIRERS	5 619	96	8 142	179	35 423	1 122	12 608	360	1 853	209	78.4	86.0
AUTOMOBILE MECHANICS, INCLUDING BODY	2 085	12	3 350	35	11 640	45	3 784	26	350	28	74.4	67.8
AIRCRAFT MECHANICS	42	1	95	-	1 250	12	557	-	57	-	93.2	92.3
HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS	102	2	82	-	813	-	377	7	35	-	86.9	77.8
OTHER MECHANICS AND REPAIRERS	3 390	81	4 615	144	21 720	1 065	7 890	327	1 411	181	79.5	87.5
CONSTRUCTION TRADES	6 278	72	8 895	160	38 464	675	12 595	320	3 770	192	78.3	83.7
CARPENTERS	2 328	28	2 730	36	11 381	165	3 955	48	1 312	44	76.7	80.1
ELECTRICIANS	361	-	664	20	5 120	69	2 371	25	370	12	88.5	84.1
PAINTERS, CONSTRUCTION AND MAINTENANCE	548	15	904	40	2 219	153	930	131	331	65	70.6	86.4
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	639	2	854	5	4 265	31	1 094	11	257	-	79.0	85.7
OTHER CONSTRUCTION TRADES	2 402	27	3 743	59	15 479	257	4 245	105	1 500	71	77.5	83.4
EXTRACTIVE OCCUPATIONS	156	5	271	7	1 184	18	217	5	286	-	79.8	65.7
PRECISION PRODUCTION OCCUPATIONS	4 130	1 147	7 310	2 318	31 239	7 948	9 809	1 883	3 744	691	79.7	75.2
SUPERVISORS, PRODUCTION OCCUPATIONS	1 364	214	2 418	673	11 156	2 418	4 097	588	2 420	358	82.4	79.1
MANUFACTURING	1 014	133	1 704	503	8 094	1 467	2 593	285	1 600	178	81.9	75.2
PRECISION METALWORKING OCCUPATIONS	1 072	32	1 918	192	8 951	589	2 483	126	426	20	79.9	76.6
TOOL AND DIE MAKERS	152	2	267	15	2 016	51	619	-	56	-	86.5	75.0
MACHINISTS	667	23	1 231	97	4 928	278	1 263	15	231	2	77.2	71.1
SHEET METAL WORKERS	174	-	285	3	1 275	34	338	24	68	-	78.6	95.1
OTHER PRECISION METAL WORKERS	79	7	135	77	732	226	263	87	71	18	83.3	79.8
PRECISION TEXTILE, APPAREL, AND FURNISHINGS MACHINE WORKERS	192	323	322	400	586	1 340	222	429	46	185	62.4	73.0
PLANT AND SYSTEM OPERATORS	400	2	574	17	2 657	81	697	24	331	2	79.1	84.9
OTHER PRECISION PRODUCTION OCCUPATIONS	1 102	576	2 078	1 036	7 889	3 520	2 310	716	521	126	77.1	73.0

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MINNESOTA

	YEARS OF SCHOOL COMPLETED										PERCENT HIGH SCHOOL GRADUATES	
	ELEMENTARY		HIGH SCHOOL				COLLEGE					
	0 TO 8 YEARS		1 TO 3 YEARS		4 YEARS		1 TO 3 YEARS		4 OR MORE YEARS			
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
WHITE												
OPERATORS, FABRICATORS, AND LABORERS	22 342	6 834	45 691	14 710	109 876	44 195	29 901	7 401	6 723	1 487	68.3	71.1
MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS	8 198	5 025	14 651	10 578	47 504	33 226	11 949	4 821	2 594	1 094	73.1	71.5
MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION	5 229	2 975	9 165	5 597	30 282	16 168	7 284	2 677	1 665	684	73.2	69.5
METALWORKING AND PLASTIC WORKING MACHINE OPERATORS	1 058	175	1 573	512	4 788	1 130	1 021	217	188	18	69.5	66.5
PRINTING MACHINE OPERATORS	151	126	759	390	5 091	1 942	1 486	698	264	240	88.3	84.8
TEXTILE, APPAREL, AND FURNISHINGS MACHINE OPERATORS	173	1 265	422	1 709	711	3 778	277	456	76	148	64.1	59.6
TEXTILE MACHINE OPERATORS	24	93	76	87	252	277	76	35	24	45	77.9	66.5
TEXTILE SEWING MACHINE OPERATORS	11	463	21	654	61	1 766	22	241	13	77	75.0	65.1
LAUNDERING AND DRYCLEANING MACHINE OPERATORS	101	580	255	723	304	1 236	161	144	32	22	58.3	51.8
OTHER SPECIFIED MACHINE OPERATORS	2 081	550	3 322	1 206	10 198	3 765	2 558	593	596	140	71.2	71.9
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS	1 766	859	3 089	1 780	9 494	5 553	1 942	713	541	138	71.2	70.8
OCCUPATION:												
MISCELLANEOUS MACHINE OPERATORS, N.E.C.	439	188	863	471	2 526	1 704	639	259	162	68	71.9	75.5
MACHINE OPERATORS, NOT SPECIFIED	1 327	671	2 226	1 309	6 968	3 849	1 303	454	379	70	70.9	68.8
INDUSTRY:												
MANUFACTURING	1 434	767	2 596	1 535	7 979	4 666	1 443	559	386	77	70.9	69.7
NONDURABLE GOODS	591	333	911	702	3 266	1 998	658	252	152	26	73.1	68.7
FOOD AND KINDRED PRODUCTS	272	103	281	202	975	544	126	65	59	3	67.7	66.7
TEXTILE MILL AND FINISHED TEXTILE PRODUCTS	15	23	22	52	51	177	18	10	-	5	65.1	71.9
PAPER AND ALLIED PRODUCTS	137	58	229	100	1 165	353	244	41	26	12	79.7	72.0
OTHER NONDURABLE GOODS	167	149	379	348	1 075	924	270	136	67	6	72.1	68.2
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG	843	434	1 685	833	4 713	2 668	785	307	234	51	69.4	70.5
METAL INDUSTRIES	227	74	586	194	1 346	378	208	75	57	4	66.5	63.0
MACHINERY, INCLUDING ELECTRICAL	335	145	609	324	2 090	1 354	345	131	82	27	72.7	76.3
TRANSPORTATION EQUIPMENT	58	6	62	11	132	31	23	3	10	-	57.9	66.7
OTHER DURABLE GOODS	223	209	428	304	1 145	905	209	98	85	20	68.9	66.6
NONMANUFACTURING INDUSTRIES	332	92	493	245	1 515	887	499	154	155	61	72.4	76.6
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	67	4	131	10	379	43	107	7	41	2	72.7	78.8
WHOLESALE AND RETAIL TRADE	173	51	158	154	575	462	141	67	39	35	69.5	73.3
ALL OTHER INDUSTRIES	92	37	204	81	561	382	251	80	75	24	75.0	80.5
FABRICATORS, ASSEMBLERS, AND HAND WORKING OCCUPATIONS	2 586	1 596	4 939	3 943	14 388	13 497	3 615	1 603	562	262	71.2	73.5
WELDERS AND CUTTERS	1 261	42	2 241	86	7 175	500	1 772	56	111	5	72.1	81.4
ASSEMBLERS	1 204	1 454	2 449	3 471	6 575	12 265	1 636	1 433	404	197	70.2	73.8
OTHER FABRICATORS AND HAND WORKING OCCUPATIONS	121	100	249	386	638	732	207	114	47	60	70.7	65.1
PRODUCTION INSPECTORS, TESTERS, SAMPLERS, AND WEIGHERS	383	454	547	1 038	2 834	3 561	1 050	541	367	148	82.0	74.0
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	8 757	256	12 509	694	36 565	3 048	10 019	984	2 201	113	69.6	81.4
MOTOR VEHICLE OPERATORS	6 383	217	9 403	582	26 787	2 513	7 769	849	1 700	96	69.7	81.2
TRUCK DRIVERS AND DRIVER-SALES WORKERS	5 382	58	8 221	215	23 177	659	5 745	226	1 080	28	68.8	77.0
BUS DRIVERS	756	143	753	323	2 549	1 687	1 313	514	414	49	73.9	82.8
RAIL AND WATER TRANSPORTATION OCCUPATIONS	258	2	691	8	2 275	61	787	25	177	12	77.3	90.7
MATERIAL MOVING EQUIPMENT OPERATORS	2 116	37	2 415	104	7 503	474	1 463	110	324	5	67.2	80.7
EXCAVATING, GRADING, AND DOZER MACHINE OPERATORS	374	-	285	5	734	1	125	8	24	-	57.3	64.3
HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS	5 387	1 553	18 531	3 438	25 807	7 921	7 933	1 596	1 928	280	59.9	66.2
CONSTRUCTION LABORERS	1 016	36	1 603	34	4 859	74	1 231	45	376	18	71.2	66.2
FREIGHT, STOCK, AND MATERIAL HANDLERS	1 173	214	8 688	883	6 535	1 683	2 654	400	528	53	49.6	66.1
GARAGE AND SERVICE STATION RELATED OCCUPATIONS	468	14	2 897	195	2 060	237	591	107	101	3	45.0	62.4
HAND PACKERS AND PACKAGERS	283	664	564	1 196	1 285	3 045	332	480	110	111	67.1	66.2
OTHER SPECIFIED HANDLERS, EQUIPMENT CLEANERS, AND HELPERS	425	134	1 312	233	2 171	464	522	172	170	14	62.2	63.9
LABORERS, EXCEPT CONSTRUCTION	2 022	491	3 467	897	8 897	2 418	2 603	392	643	81	68.9	67.6
MANUFACTURING	865	286	1 430	457	3 875	1 472	762	196	202	25	67.8	69.5
NONDURABLE GOODS	483	193	744	257	2 062	747	394	123	113	13	67.7	66.2
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG.	382	93	686	200	1 813	725	368	73	89	12	68.0	73.4
METAL INDUSTRIES	118	25	238	53	539	90	79	18	28	3	64.5	58.7
NONMANUFACTURING INDUSTRIES	1 157	205	2 037	440	5 022	946	1 841	196	441	56	69.6	65.0
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	346	6	400	20	1 314	69	415	24	100	8	71.0	79.5
WHOLESALE AND RETAIL TRADE	441	95	1 105	267	2 900	573	1 093	79	251	28	73.3	65.3
ALL OTHER INDUSTRIES	370	104	532	153	808	304	333	93	90	20	57.7	61.9

TABLE 223. OCCUPATION OF EMPLOYED PERSONS BY YEARS OF SCHOOL COMPLETED, RACE, SPANISH ORIGIN, AND SEX: 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]

MINNESOTA

	YEARS OF SCHOOL COMPLETED										PERCENT HIGH SCHOOL GRADUATES	
	ELEMENTARY		HIGH SCHOOL				COLLEGE					
	0 TO 8 YEARS		1 TO 3 YEARS		4 YEARS		1 TO 3 YEARS		4 OR MORE YEARS			
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
BLACK												
EMPLOYED PERSONS 16 YEARS AND OVER	723	363	1 513	1 503	3 480	3 333	2 705	2 173	2 382	1 465	79.3	78.9
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS	18	43	99	111	389	367	519	522	1 473	907	95.3	92.1
EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS	6	30	48	31	195	181	237	282	673	281	95.3	92.4
OFFICIALS AND ADMINISTRATORS, PUBLIC ADMINISTRATION	-	-	-	5	-	-	-	5	15	8	100.0	72.2
ADMINISTRATORS, EDUCATION AND RELATED FIELDS	-	-	7	-	8	8	6	-	46	58	89.6	100.0
MANAGERS, MEDICINE AND HEALTH	-	-	-	-	2	-	5	-	-	10	100.0	100.0
OTHER SPECIFIED MANAGERS	-	-	5	13	14	29	4	63	99	25	95.9	90.0
MANAGERS AND ADMINISTRATORS, N.E.C., SALARIED	6	23	28	13	104	55	102	41	313	43	93.9	79.4
MANUFACTURING	-	7	-	5	11	5	44	13	85	18	100.0	75.0
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	-	-	-	-	25	-	-	-	15	-	100.0	-
WHOLESALE AND RETAIL TRADE	6	-	8	-	44	15	18	5	36	6	87.5	100.0
ALL OTHER INDUSTRIES	-	16	20	8	24	35	40	23	177	19	92.3	76.2
MANAGERS AND ADMINISTRATORS, N.E.C., SELF-EMPLOYED	-	-	-	-	3	9	-	-	22	-	100.0	100.0
CONSTRUCTION	-	-	-	-	-	-	-	-	-	-	-	-
MANUFACTURING	-	-	-	-	-	-	-	-	-	-	-	-
WHOLESALE AND RETAIL TRADE	-	-	-	-	-	-	-	-	11	-	100.0	-
ALL OTHER INDUSTRIES	-	-	-	-	3	9	-	-	11	-	100.0	100.0
MANAGEMENT RELATED OCCUPATIONS	-	7	8	-	64	80	120	173	178	137	97.8	98.2
ACCOUNTANTS AND AUDITORS	-	-	-	-	-	10	34	63	73	46	100.0	100.0
BUYERS AND PURCHASING AGENTS	-	-	-	-	6	5	6	-	7	16	100.0	100.0
PROFESSIONAL SPECIALTY OCCUPATIONS	12	13	51	80	194	186	282	240	800	626	95.3	91.9
ENGINEERS, ARCHITECTS, AND SURVEYORS	-	-	11	-	46	6	43	6	127	18	95.2	100.0
ARCHITECTS	-	-	-	-	-	-	-	-	15	-	100.0	-
ENGINEERS	-	-	11	-	46	6	43	6	112	18	94.8	100.0
ELECTRICAL AND ELECTRONIC ENGINEERS	-	-	-	-	26	6	15	6	54	-	100.0	100.0
MECHANICAL ENGINEERS	-	-	11	-	20	-	5	-	-	-	69.4	-
OTHER ENGINEERS	-	-	-	-	-	-	23	-	58	18	100.0	100.0
SURVEYORS AND MAPPING SCIENTISTS	-	-	-	-	-	-	-	-	-	-	-	-
MATHEMATICAL AND COMPUTER SCIENTISTS	-	-	-	-	-	15	8	5	36	30	100.0	100.0
COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS	-	-	-	-	-	15	8	5	30	30	100.0	100.0
NATURAL SCIENTISTS	-	-	11	-	6	10	5	9	30	4	78.8	100.0
HEALTH DIAGNOSING OCCUPATIONS	-	-	-	-	-	-	7	-	53	28	100.0	100.0
PHYSICIANS	-	-	-	-	-	-	7	-	34	6	100.0	100.0
DENTISTS	-	-	-	-	-	-	-	-	14	22	100.0	100.0
OTHER HEALTH DIAGNOSING PRACTITIONERS	-	-	-	-	-	-	-	-	5	-	100.0	-
HEALTH ASSESSMENT AND TREATING OCCUPATIONS	7	7	-	13	-	4	21	59	28	89	87.5	88.4
REGISTERED NURSES	7	-	-	13	-	-	7	48	9	68	69.6	89.9
PHARMACISTS	-	-	-	-	-	-	-	-	4	3	100.0	100.0
THERAPISTS	-	-	-	-	-	-	14	8	15	18	100.0	100.0
TEACHERS, LIBRARIANS, AND COUNSELORS	-	-	15	38	43	97	65	97	295	346	96.4	93.4
TEACHERS, POSTSECONDARY	-	-	-	-	11	20	7	7	99	52	100.0	100.0
TEACHERS, ELEMENTARY AND PRE-KINDERGARTEN	-	-	-	21	5	53	7	42	97	178	100.0	92.9
TEACHERS, SECONDARY	-	-	-	8	5	-	31	8	23	89	100.0	92.4
SOCIAL SCIENTISTS AND URBAN PLANNERS	-	-	-	-	-	7	5	-	46	11	100.0	100.0
SOCIAL AND RECREATION WORKERS	-	6	6	16	16	31	68	45	67	61	96.2	86.2
RELIGIOUS WORKERS	-	-	8	-	12	-	-	-	15	-	77.1	-
LAWYERS AND JUDGES	5	-	-	-	5	7	6	-	56	5	93.1	100.0
WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES	-	-	-	13	66	9	54	19	47	34	100.0	82.7
TECHNICAL,SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS	75	83	224	432	686	1 674	862	1 189	603	385	87.8	86.3
TECHNICIANS AND RELATED SUPPORT OCCUPATIONS	-	7	21	20	96	77	194	86	155	95	95.5	90.5
HEALTH TECHNOLOGISTS AND TECHNICIANS	-	7	-	13	15	23	17	22	9	25	100.0	77.8
LICENSED PRACTICAL NURSES	-	7	-	6	-	12	5	22	-	-	100.0	72.3
ENGINEERING AND SCIENCE TECHNICIANS	-	-	9	7	58	34	102	31	63	5	96.1	90.9
ELECTRICAL AND ELECTRONIC TECHNICIANS	-	-	9	7	36	6	53	31	12	5	91.8	85.7
DRAFTING AND SURVEYING TECHNICIANS	-	-	-	-	11	-	23	-	21	-	100.0	-
TECHNICIANS, EXCEPT HEALTH, ENGINEERING, AND SCIENCE	-	-	12	-	23	20	75	33	83	65	93.8	100.0
AIRPLANE PILOTS AND NAVIGATORS	-	-	-	-	-	6	-	-	5	-	100.0	100.0
COMPUTER PROGRAMMERS	-	-	5	-	10	-	24	20	46	48	94.1	100.0
SALES OCCUPATIONS	29	8	57	144	131	171	228	132	267	74	87.9	71.3
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS	5	-	15	-	24	14	49	7	22	-	82.6	100.0
SELF-EMPLOYED	5	-	-	-	11	-	10	-	-	-	80.8	-
SALES REPRESENTATIVES, FINANCE AND BUSINESS SERVICES	7	-	-	3	14	28	87	43	120	18	96.9	96.7
SALES REPRESENTATIVES, COMMODITIES, EXCEPT RETAIL	-	-	10	6	52	-	35	-	65	6	93.8	50.0
SALES WORKERS, RETAIL AND PERSONAL SERVICES	17	8	32	135	41	129	57	82	60	50	76.3	64.6
CASHIERS	-	-	13	90	15	74	19	18	-	8	72.3	52.6
SALES RELATED OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 223. OCCUPATION OF EMPLOYED PERSONS BY YEARS OF SCHOOL COMPLETED, RACE, SPANISH ORIGIN, AND SEX: 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]

MINNESOTA

	YEARS OF SCHOOL COMPLETED										PERCENT HIGH SCHOOL GRADUATES	
	ELEMENTARY		HIGH SCHOOL				COLLEGE					
	0 TO 8 YEARS		1 TO 3 YEARS		4 YEARS		1 TO 3 YEARS		4 OR MORE YEARS			
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
BLACK												
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL	46	68	146	268	459	1 426	440	971	181	216	84.9	88.6
SUPERVISORS, ADMINISTRATIVE SUPPORT OCCUPATIONS	-	-	23	-	34	40	47	4	19	25	81.3	100.0
COMPUTER EQUIPMENT OPERATORS	-	6	-	15	6	33	23	18	11	11	100.0	74.7
SECRETARIES, STENOGRAPHERS, AND TYPISTS	-	12	-	60	11	364	6	258	7	36	100.0	90.1
SECRETARIES	-	12	-	39	-	275	-	230	-	12	-	91.0
RECEPTIONISTS	-	5	-	8	8	36	11	59	-	16	100.0	89.5
FILE CLERKS	-	-	10	30	14	73	-	19	6	-	66.7	75.4
FINANCIAL RECORDS PROCESSING OCCUPATIONS	-	-	16	24	37	121	22	97	15	25	82.2	91.0
BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS	-	-	-	24	22	84	8	52	-	10	100.0	85.9
TELEPHONE OPERATORS	-	-	-	10	-	28	-	16	-	7	-	83.6
MAIL AND MESSAGE DISTRIBUTING OCCUPATIONS	7	7	10	24	59	53	68	22	-	-	88.2	70.8
TRAFFIC, SHIPPING, STOCK AND INVENTORY CLERKS	24	-	57	-	154	23	60	-	10	-	73.4	100.0
INSURANCE ADJUSTERS, EXAMINERS, AND INVESTIGATORS	-	-	-	-	-	14	14	23	17	15	100.0	100.0
BANK TELLERS	-	-	-	8	-	72	2	18	-	-	100.0	91.8
DATA-ENTRY KEYERS	7	-	-	-	7	139	-	45	-	-	50.0	100.0
OTHER ADMINISTRATIVE SUPPORT OCCUPATIONS	8	38	30	89	129	430	187	392	96	81	91.6	87.7
SERVICE OCCUPATIONS	244	130	444	533	694	619	527	295	124	118	66.2	60.9
PRIVATE HOUSEHOLD OCCUPATIONS	-	6	-	6	-	14	-	-	-	-	-	53.8
PROTECTIVE SERVICE OCCUPATIONS	29	-	15	21	146	15	118	6	10	4	86.2	54.3
FIREFIGHTING OCCUPATIONS	-	-	-	-	31	-	12	-	-	-	100.0	-
POLICE AND DETECTIVES, PUBLIC SERVICE	-	-	-	10	40	-	29	-	3	-	100.0	-
GUARDS	29	-	8	11	69	10	60	6	7	-	78.6	59.3
OTHER PROTECTIVE SERVICE OCCUPATIONS	-	-	7	-	6	5	17	-	-	4	76.7	100.0
SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD	215	124	429	506	548	590	409	289	114	114	62.4	61.2
FOOD PREPARATION AND SERVICE OCCUPATIONS	76	14	139	105	143	100	78	33	42	32	55.0	58.1
WAITERS AND FOOD COUNTER WORKERS	27	4	17	27	5	36	17	8	15	15	45.7	65.6
COOKS	32	2	18	27	79	7	19	11	17	-	69.7	38.3
HEALTH SERVICE OCCUPATIONS	26	38	38	159	39	209	52	139	41	20	67.3	65.1
NURSING AIDES, ORDERLIES, AND ATTENDANTS	17	38	38	122	39	199	35	139	41	10	67.6	68.5
CLEANING AND BUILDING SERVICE OCCUPATIONS EXC. HOUSEHOLD	113	27	194	171	294	139	190	28	31	7	62.7	46.8
PERSONAL SERVICE OCCUPATIONS	-	45	58	71	72	142	89	89	-	55	73.5	71.1
BARBERS, HAIRDRESSERS AND COSMETOLOGISTS	-	7	-	19	20	20	7	21	-	-	100.0	61.2
FARMING, FORESTRY, AND FISHING OCCUPATIONS	2	-	14	22	5	7	17	2	5	-	62.8	29.0
FARM OPERATORS AND MANAGERS	2	-	-	-	-	-	3	-	-	-	60.0	-
FARM OCCUPATIONS, EXCEPT MANAGERIAL	-	-	3	5	5	-	6	-	-	-	78.6	-
RELATED AGRICULTURAL OCCUPATIONS	-	-	11	17	-	7	8	-	5	-	54.2	29.2
FORESTRY AND FISHING OCCUPATIONS	-	-	-	-	-	-	-	2	-	-	-	100.0
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS	93	-	159	61	476	122	248	37	57	39	75.6	76.4
MECHANICS AND REPAIRERS	42	-	63	9	138	25	86	-	-	-	68.1	73.5
AUTOMOBILE MECHANICS, INCLUDING BODY	-	-	31	-	65	-	10	-	-	-	70.8	-
AIRCRAFT MECHANICS	-	-	-	-	-	-	17	-	-	-	100.0	-
HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS	-	-	-	-	-	-	-	-	-	-	-	-
OTHER MECHANICS AND REPAIRERS	42	-	32	9	73	25	59	-	-	-	64.1	73.5
CONSTRUCTION TRADES	33	-	57	19	171	5	92	-	20	-	75.9	20.8
CARPENTERS	10	-	-	19	23	-	18	-	7	-	82.8	-
ELECTRICIANS	-	-	11	-	18	-	46	-	6	-	86.4	-
PAINTERS, CONSTRUCTION AND MAINTENANCE	6	-	18	-	23	-	19	-	-	-	63.6	-
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	7	-	7	-	34	-	7	-	-	-	74.5	-
OTHER CONSTRUCTION TRADES	10	-	21	-	73	5	2	-	7	-	72.6	100.0
EXTRACTIVE OCCUPATIONS	-	-	6	-	11	-	-	-	-	-	64.7	-
PRECISION PRODUCTION OCCUPATIONS	18	-	33	33	156	92	70	37	37	39	83.8	83.6
SUPERVISORS, PRODUCTION OCCUPATIONS	-	-	7	3	56	10	37	21	34	24	94.8	94.8
MANUFACTURING	-	-	7	-	50	-	31	9	27	6	93.9	100.0
PRECISION METALWORKING OCCUPATIONS	-	-	14	-	36	24	17	11	-	7	79.1	100.0
TOOL AND DIE MAKERS	-	-	-	-	7	-	-	-	-	-	100.0	-
MACHINISTS	-	-	14	-	27	14	17	8	-	-	75.9	100.0
SHEET METAL WORKERS	-	-	-	-	-	-	-	-	-	-	-	-
OTHER PRECISION METAL WORKERS	-	-	-	-	2	10	-	3	-	7	100.0	100.0
PRECISION TEXTILE, APPAREL, AND FURNISHINGS MACHINE WORKERS	8	-	-	4	8	5	10	-	-	8	69.2	76.5
PLANT AND SYSTEM OPERATORS	10	-	6	-	15	-	-	-	-	-	48.4	-
OTHER PRECISION PRODUCTION OCCUPATIONS	-	-	6	26	41	53	6	5	3	-	89.3	69.0

TABLE 223. OCCUPATION OF EMPLOYED PERSONS BY YEARS OF SCHOOL COMPLETED, RACE, SPANISH ORIGIN, AND SEX: 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]

MINNESOTA

	YEARS OF SCHOOL COMPLETED										PERCENT HIGH SCHOOL GRADUATES	
	ELEMENTARY		HIGH SCHOOL				COLLEGE					
	0 TO 8 YEARS		1 TO 3 YEARS		4 YEARS		1 TO 3 YEARS		4 OR MORE YEARS			
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
BLACK												
OPERATORS, FABRICATORS, AND LABORERS	291	107	573	344	1 230	544	532	128	120	16	68.5	60.4
MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS	140	97	303	282	544	425	259	94	72	16	66.4	58.5
MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION	92	44	152	133	363	139	139	25	39	7	68.9	49.1
METALWORKING AND PLASTIC WORKING MACHINE OPERATORS	23	-	26	7	54	22	14	-	-	7	58.1	80.6
PRINTING MACHINE OPERATORS	-	-	14	9	37	9	26	3	-	-	81.8	57.1
TEXTILE, APPAREL, AND FURNISHINGS MACHINE OPERATORS	-	34	3	50	33	33	20	6	6	-	95.2	31.7
TEXTILE MACHINE OPERATORS	-	-	-	-	6	-	-	-	-	-	100.0	-
TEXTILE SEWING MACHINE OPERATORS	-	15	-	18	11	7	-	-	6	-	100.0	17.5
LAUNDERING AND DRYCLEANING MACHINE OPERATORS	-	5	-	20	7	26	6	6	-	-	100.0	56.1
OTHER SPECIFIED MACHINE OPERATORS	31	-	57	-	112	16	14	4	18	-	62.1	100.0
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS	38	10	52	67	127	59	65	12	15	-	69.7	48.0
OCCUPATION:												
MISCELLANEOUS MACHINE OPERATORS, N.E.C.	-	-	11	9	43	11	22	6	9	-	87.1	65.4
MACHINE OPERATORS, NOT SPECIFIED	38	10	41	58	84	48	43	6	6	-	62.7	44.3
INDUSTRY:												
MANUFACTURING	11	10	51	52	110	59	59	12	-	-	73.2	53.4
NONDURABLE GOODS	-	5	7	22	29	13	12	-	-	-	85.4	32.5
FOOD AND KINDRED PRODUCTS	-	-	-	-	11	6	4	-	-	-	100.0	100.0
TEXTILE MILL AND FINISHED TEXTILE PRODUCTS	-	5	-	-	-	-	-	-	-	-	-	-
PAPER AND ALLIED PRODUCTS	-	-	-	-	6	-	8	-	-	-	100.0	-
OTHER NONDURABLE GOODS	-	-	7	22	12	7	-	-	-	-	63.2	24.1
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG	11	5	44	30	81	46	47	12	-	-	69.9	62.4
METAL INDUSTRIES	6	-	10	-	8	9	22	-	-	-	65.2	100.0
MACHINERY, INCLUDING ELECTRICAL	-	-	34	24	40	16	6	6	-	-	57.5	47.8
TRANSPORTATION EQUIPMENT	-	-	-	-	9	-	9	-	-	-	100.0	-
OTHER DURABLE GOODS	5	5	-	6	24	21	10	6	-	-	87.2	71.1
NONMANUFACTURING INDUSTRIES	27	-	1	15	17	-	6	-	15	-	57.6	-
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	-	-	-	-	-	-	-	-	-	-	-	-
WHOLESALE AND RETAIL TRADE	27	-	1	-	11	-	-	-	-	-	28.2	-
ALL OTHER INDUSTRIES	-	-	-	15	6	-	6	-	15	-	100.0	-
FABRICATORS, ASSEMBLERS, AND HAND WORKING OCCUPATIONS	48	49	135	131	168	233	97	69	27	9	61.5	63.3
WELDERS AND CUTTERS	19	-	20	-	52	-	28	-	5	-	68.5	-
ASSEMBLERS	22	49	110	131	110	190	69	69	22	9	60.4	59.8
OTHER FABRICATORS AND HAND WORKING OCCUPATIONS	7	-	5	-	6	43	-	-	-	-	33.3	100.0
PRODUCTION INSPECTORS, TESTERS, SAMPLERS, AND WEIGHERS	-	4	16	18	13	53	23	-	6	-	72.4	70.7
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	82	-	117	-	277	22	125	27	36	-	68.8	100.0
MOTOR VEHICLE OPERATORS	76	-	64	-	154	8	104	11	30	-	67.3	100.0
TRUCK DRIVERS AND DRIVER-SALES WORKERS	57	-	29	-	41	-	21	6	5	-	43.8	100.0
BUS DRIVERS	7	-	29	-	64	8	63	5	19	-	80.2	100.0
RAIL AND WATER TRANSPORTATION OCCUPATIONS	-	-	5	-	10	-	6	2	6	-	81.5	100.0
MATERIAL MOVING EQUIPMENT OPERATORS	6	-	48	-	113	14	15	14	-	-	70.3	100.0
EXCAVATING, GRADING, AND DOZER MACHINE OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-
HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS	69	10	153	62	409	97	148	7	12	-	71.9	59.1
CONSTRUCTION LABORERS	8	7	5	-	82	-	9	-	-	-	87.5	-
FREIGHT, STOCK, AND MATERIAL HANDLERS	22	3	41	6	81	6	36	-	-	-	65.0	40.0
GARAGE AND SERVICE STATION RELATED OCCUPATIONS	-	-	-	-	10	-	-	-	-	-	100.0	-
HAND PACKERS AND PACKAGERS	5	-	28	13	34	40	41	-	-	-	69.4	75.5
OTHER SPECIFIED HANDLERS, EQUIPMENT CLEANERS, AND HELPERS	14	-	15	13	57	-	7	-	-	-	68.8	-
LABORERS, EXCEPT CONSTRUCTION	20	-	64	30	145	51	55	7	12	-	71.6	65.9
MANUFACTURING	20	-	11	23	40	32	26	-	12	-	71.6	58.2
NONDURABLE GOODS	14	-	5	17	18	9	13	-	4	-	64.8	34.6
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG	6	-	6	6	22	23	13	-	8	-	78.2	79.3
METAL INDUSTRIES	6	-	-	-	13	15	13	-	-	-	81.3	100.0
NONMANUFACTURING INDUSTRIES	-	-	53	7	105	19	29	7	-	-	71.7	78.8
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	-	-	-	7	38	-	23	7	-	-	100.0	50.0
WHOLESALE AND RETAIL TRADE	-	-	22	-	26	-	6	-	-	-	59.3	-
ALL OTHER INDUSTRIES	-	-	31	-	41	19	-	-	-	-	56.9	100.0

TABLE 223. OCCUPATION OF EMPLOYED PERSONS BY YEARS OF SCHOOL COMPLETED, RACE, SPANISH ORIGIN, AND SEX: 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]

MINNESOTA

	YEARS OF SCHOOL COMPLETED										PERCENT HIGH SCHOOL GRADUATES	
	ELEMENTARY		HIGH SCHOOL				COLLEGE					
	0 TO 8 YEARS		1 TO 3 YEARS		4 YEARS		1 TO 3 YEARS		4 OR MORE YEARS			
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
AMERICAN INDIAN, ESKIMO, ALEUT												
EMPLOYED PERSONS 16 YEARS AND OVER	500	371	1 470	1 290	2 105	2 138	804	692	303	267	62.0	65.1
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS	40	22	92	76	240	230	242	132	195	191	83.7	84.9
EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS	17	13	36	15	123	115	113	50	56	27	84.6	87.3
OFFICIALS AND ADMINISTRATORS, PUBLIC ADMINISTRATION	2	-	14	-	34	4	19	7	12	5	80.2	100.0
ADMINISTRATORS, EDUCATION AND RELATED FIELDS	-	-	-	-	2	2	-	2	5	-	100.0	100.0
MANAGERS, MEDICINE AND HEALTH	-	9	-	2	3	2	7	9	3	-	100.0	50.0
OTHER SPECIFIED MANAGERS	-	-	-	-	7	17	18	6	8	11	100.0	100.0
MANAGERS AND ADMINISTRATORS, N.E.C., SALARIED	10	-	12	3	35	53	54	13	18	9	82.9	96.2
MANUFACTURING	-	-	-	-	10	7	15	7	-	-	100.0	100.0
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	1	-	3	-	-	-	-	-	-	-	-	-
WHOLESALE AND RETAIL TRADE	-	-	-	-	6	25	20	6	1	-	100.0	100.0
ALL OTHER INDUSTRIES	9	-	9	3	19	21	19	-	17	9	75.3	90.9
MANAGERS AND ADMINISTRATORS, N.E.C., SELF-EMPLOYED	3	4	6	10	9	9	2	-	-	-	55.0	39.1
CONSTRUCTION	-	-	-	-	-	-	-	-	-	-	-	-
MANUFACTURING	-	-	-	-	3	-	-	-	-	-	100.0	-
WHOLESALE AND RETAIL TRADE	3	2	-	-	2	2	-	-	-	-	40.0	50.0
ALL OTHER INDUSTRIES	-	2	6	10	4	7	2	-	-	-	50.0	36.8
MANAGEMENT RELATED OCCUPATIONS	2	-	4	-	33	28	13	13	10	2	90.3	100.0
ACCOUNTANTS AND AUDITORS	-	-	-	-	-	8	-	9	-	-	-	100.0
BUYERS AND PURCHASING AGENTS	-	-	3	-	-	-	-	-	-	-	-	-
PROFESSIONAL SPECIALTY OCCUPATIONS	23	9	56	61	117	115	129	82	139	164	83.0	83.8
ENGINEERS, ARCHITECTS, AND SURVEYORS	9	-	2	-	4	-	17	-	18	-	78.0	-
ARCHITECTS	-	-	-	-	-	-	-	-	8	-	100.0	-
ENGINEERS	9	-	2	-	4	-	15	-	10	-	72.5	-
ELECTRICAL AND ELECTRONIC ENGINEERS	9	-	-	-	4	-	5	-	-	-	50.0	-
MECHANICAL ENGINEERS	-	-	-	-	-	-	6	-	6	-	100.0	-
OTHER ENGINEERS	-	-	2	-	-	-	4	-	4	-	80.0	-
SURVEYORS AND MAPPING SCIENTISTS	-	-	-	-	-	-	2	-	-	-	100.0	-
MATHEMATICAL AND COMPUTER SCIENTISTS	-	-	-	2	-	-	13	-	7	-	100.0	-
COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS	-	-	-	-	-	-	6	-	7	-	100.0	-
NATURAL SCIENTISTS	-	-	2	-	12	-	27	-	2	2	95.3	100.0
HEALTH DIAGNOSING OCCUPATIONS	-	-	15	-	-	-	-	-	3	-	16.7	-
PHYSICIANS	-	-	8	-	-	-	-	-	3	-	27.3	-
DENTISTS	-	-	7	-	-	-	-	-	-	-	-	-
OTHER HEALTH DIAGNOSING PRACTITIONERS	-	-	-	-	-	-	-	-	-	-	-	-
HEALTH ASSESSMENT AND TREATING OCCUPATIONS	-	5	-	2	6	6	6	14	-	23	100.0	86.0
REGISTERED NURSES	-	5	-	2	-	2	6	14	-	18	100.0	82.9
PHARMACISTS	-	-	-	-	-	-	-	-	-	2	-	100.0
THERAPISTS	-	-	-	-	6	4	-	-	-	3	100.0	100.0
TEACHERS, LIBRARIANS, AND COUNSELORS	5	2	12	33	58	56	32	52	74	118	90.6	86.6
TEACHERS, POSTSECONDARY	-	-	-	9	13	-	5	-	19	11	100.0	55.0
TEACHERS, ELEMENTARY AND PRE-KINDERGARTEN	-	2	2	16	26	40	3	27	34	54	96.9	87.1
TEACHERS, SECONDARY	2	-	-	8	6	14	13	4	9	16	93.3	81.0
SOCIAL SCIENTISTS AND URBAN PLANNERS	-	2	-	-	8	9	-	-	-	5	100.0	87.5
SOCIAL AND RECREATION WORKERS	4	-	25	14	12	38	21	15	11	14	60.3	82.7
RELIGIOUS WORKERS	2	-	-	6	-	-	3	1	-	-	60.0	14.3
LAWYERS AND JUDGES	-	-	-	-	-	2	-	-	7	2	100.0	100.0
WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES	3	-	-	4	17	4	10	-	17	-	93.6	50.0
TECHNICAL,SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS	51	48	124	320	289	935	168	377	65	51	74.9	78.7
TECHNICIANS AND RELATED SUPPORT OCCUPATIONS	3	-	2	11	27	77	46	30	22	2	95.0	90.8
HEALTH TECHNOLOGISTS AND TECHNICIANS	-	-	-	11	-	49	3	25	-	-	100.0	87.1
LICENSED PRACTICAL NURSES	-	-	-	11	-	25	-	23	-	-	-	81.4
ENGINEERING AND SCIENCE TECHNICIANS	-	-	2	-	12	-	27	-	9	-	96.0	-
ELECTRICAL AND ELECTRONIC TECHNICIANS	-	-	-	-	-	-	9	-	-	-	100.0	-
DRAFTING AND SURVEYING TECHNICIANS	-	-	-	-	4	-	8	-	-	-	100.0	-
TECHNICIANS, EXCEPT HEALTH, ENGINEERING, AND SCIENCE	3	-	-	-	15	28	16	5	13	2	93.6	100.0
AIRPLANE PILOTS AND NAVIGATORS	-	-	-	-	-	-	-	-	7	-	100.0	-
COMPUTER PROGRAMMERS	-	-	-	-	15	-	-	-	6	-	100.0	-
SALES OCCUPATIONS	21	4	60	103	52	121	48	7	5	10	56.5	56.3
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS	6	-	18	10	13	16	15	-	5	-	57.9	61.5
SELF-EMPLOYED	6	-	4	-	4	-	-	-	-	-	28.6	-
SALES REPRESENTATIVES, FINANCE AND BUSINESS SERVICES	8	-	-	2	9	4	-	-	-	-	52.9	66.7
SALES REPRESENTATIVES, COMMODITIES, EXCEPT RETAIL	-	-	-	-	8	2	13	-	-	-	100.0	100.0
SALES WORKERS, RETAIL AND PERSONAL SERVICES	7	4	42	91	22	99	20	7	-	10	46.2	55.0
CASHIERS	-	4	20	45	-	58	-	7	-	-	-	57.0
SALES RELATED OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 223. OCCUPATION OF EMPLOYED PERSONS BY YEARS OF SCHOOL COMPLETED, RACE, SPANISH ORIGIN, AND SEX: 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]

MINNESOTA	YEARS OF SCHOOL COMPLETED										PERCENT HIGH SCHOOL GRADUATES	
	ELEMENTARY		HIGH SCHOOL				COLLEGE					
	0 TO 8 YEARS		1 TO 3 YEARS		4 YEARS		1 TO 3 YEARS		4 OR MORE YEARS			
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
AMERICAN INDIAN, ESKIMO, ALEUT												
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL	27	44	62	206	210	737	74	340	38	39	78.3	81.7
SUPERVISORS, ADMINISTRATIVE SUPPORT OCCUPATIONS	12	4	5	-	-	46	10	20	-	-	37.0	94.3
COMPUTER EQUIPMENT OPERATORS	-	-	-	-	5	5	-	-	-	-	100.0	100.0
SECRETARIES, STENOGRAPHERS, AND TYPISTS	-	-	1	61	-	261	-	132	-	30	-	87.4
SECRETARIES	-	-	1	59	-	182	-	103	-	27	-	84.1
RECEPTIONISTS	-	6	-	-	-	34	-	22	-	-	-	90.3
FILE CLERKS	-	-	-	-	-	15	-	-	-	-	-	100.0
FINANCIAL RECORDS PROCESSING OCCUPATIONS	-	12	6	12	11	124	13	50	8	-	84.2	87.9
BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS	-	12	-	7	6	100	13	41	-	-	100.0	88.1
TELEPHONE OPERATORS	-	-	-	-	-	7	-	-	-	-	-	100.0
MAIL AND MESSAGE DISTRIBUTING OCCUPATIONS	-	7	13	3	33	15	5	13	9	-	78.3	73.7
TRAFFIC, SHIPPING, STOCK AND INVENTORY CLERKS	10	-	5	4	89	26	17	-	-	-	87.6	86.7
INSURANCE ADJUSTERS, EXAMINERS, AND INVESTIGATORS	-	-	-	-	-	6	-	-	-	-	-	100.0
BANK TELLERS	-	-	-	-	-	13	-	2	-	-	-	100.0
DATA-ENTRY KEYERS	-	-	-	9	-	25	-	9	-	-	-	79.1
OTHER ADMINISTRATIVE SUPPORT OCCUPATIONS	5	15	32	117	72	160	29	92	21	9	76.7	66.4
SERVICE OCCUPATIONS	105	187	321	530	287	510	105	140	3	14	48.1	48.1
PRIVATE HOUSEHOLD OCCUPATIONS	-	11	8	24	-	24	-	1	-	-	-	41.7
PROTECTIVE SERVICE OCCUPATIONS	12	-	12	-	64	-	46	-	3	-	82.5	-
FIREFIGHTING OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-
POLICE AND DETECTIVES, PUBLIC SERVICE	-	-	-	-	20	-	-	-	-	-	100.0	-
GUARDS	12	-	10	-	31	-	40	-	-	-	76.3	-
OTHER PROTECTIVE SERVICE OCCUPATIONS	-	-	2	-	13	-	6	-	3	-	91.7	-
SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD	93	176	301	506	223	486	59	139	-	14	41.7	48.4
FOOD PREPARATION AND SERVICE OCCUPATIONS	21	77	83	243	56	162	4	31	-	1	36.6	37.7
WAITERS AND FOOD COUNTER WORKERS	-	8	2	151	-	52	-	22	-	-	-	31.8
COOKS	15	37	52	46	50	60	-	-	-	1	42.7	42.4
HEALTH SERVICE OCCUPATIONS	-	34	12	92	36	159	-	60	-	8	75.0	64.3
NURSING AIDES, ORDERLIES, AND ATTENDANTS	-	19	8	88	23	124	-	38	-	8	74.2	61.4
CLEANING AND BUILDING SERVICE OCCUPATIONS EXC. HOUSEHOLD	72	33	180	118	108	63	46	11	-	-	37.9	32.9
PERSONAL SERVICE OCCUPATIONS	-	32	26	53	23	102	9	37	-	5	55.2	62.9
BARBERS, HAIRDRESSERS AND COSMETOLOGISTS	-	-	-	2	6	26	2	12	-	-	100.0	95.0
FARMING, FORESTRY, AND FISHING OCCUPATIONS	38	2	79	12	37	24	36	8	4	-	39.7	69.6
FARM OPERATORS AND MANAGERS	5	-	4	2	1	1	-	2	2	-	25.0	60.0
FARM OCCUPATIONS, EXCEPT MANAGERIAL	7	2	20	10	9	13	4	-	-	-	32.5	52.0
RELATED AGRICULTURAL OCCUPATIONS	4	-	18	-	18	7	7	6	-	-	53.2	100.0
FORESTRY AND FISHING OCCUPATIONS	22	-	37	-	9	3	25	-	2	-	37.9	100.0
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS	109	25	248	51	494	45	137	2	9	9	64.2	42.4
MECHANICS AND REPAIRERS	19	-	63	7	142	-	60	-	-	7	71.1	50.0
AUTOMOBILE MECHANICS, INCLUDING BODY	10	-	18	-	45	-	17	-	-	-	68.9	-
AIRCRAFT MECHANICS	1	-	-	-	-	-	-	-	-	-	-	-
HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS	-	-	4	-	8	-	-	-	-	7	66.7	100.0
OTHER MECHANICS AND REPAIRERS	8	-	41	7	89	-	43	-	-	-	72.9	-
CONSTRUCTION TRADES	40	3	137	1	210	2	46	-	9	-	60.0	33.3
CARPENTERS	21	3	70	-	101	-	23	-	-	-	57.7	-
ELECTRICIANS	-	-	8	-	5	-	3	-	-	-	50.0	-
PAINTERS, CONSTRUCTION AND MAINTENANCE	6	-	15	-	17	2	-	-	-	-	44.7	100.0
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	2	-	9	-	29	-	-	-	7	-	76.6	-
OTHER CONSTRUCTION TRADES	11	-	35	1	58	-	20	-	2	-	63.5	-
EXTRACTIVE OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-
PRECISION PRODUCTION OCCUPATIONS	50	22	48	43	142	43	31	2	-	2	63.8	42.0
SUPERVISORS, PRODUCTION OCCUPATIONS	7	-	10	18	29	-	5	2	-	-	66.7	10.0
MANUFACTURING	7	-	4	6	6	-	5	2	-	-	50.0	25.0
PRECISION METALWORKING OCCUPATIONS	15	1	14	5	74	-	7	-	-	-	73.6	-
TOOL AND DIE MAKERS	-	-	-	-	6	-	-	-	-	-	100.0	-
MACHINISTS	13	-	-	5	63	-	7	-	-	-	84.3	-
SHEET METAL WORKERS	-	1	8	-	5	-	-	-	-	-	38.5	-
OTHER PRECISION METAL WORKERS	2	-	6	-	-	-	-	-	-	-	-	-
PRECISION TEXTILE, APPAREL, AND FURNISHINGS MACHINE WORKERS	5	21	-	3	2	21	-	-	-	2	28.6	48.9
PLANT AND SYSTEM OPERATORS	-	-	4	-	27	-	-	-	-	-	87.1	-
OTHER PRECISION PRODUCTION OCCUPATIONS	23	-	20	17	10	22	19	-	-	-	40.3	56.4

TABLE 223. OCCUPATION OF EMPLOYED PERSONS BY YEARS OF SCHOOL COMPLETED, RACE, SPANISH ORIGIN, AND SEX: 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]

MINNESOTA

	YEARS OF SCHOOL COMPLETED										PERCENT HIGH SCHOOL GRADUATES	
	ELEMENTARY		HIGH SCHOOL				COLLEGE					
	0 TO 8 YEARS		1 TO 3 YEARS		4 YEARS		1 TO 3 YEARS		4 OR MORE YEARS			
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
AMERICAN INDIAN, ESKIMO, ALEUT												
OPERATORS, FABRICATORS, AND LABORERS	157	87	606	301	758	394	116	33	27	2	54.1	52.5
MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS	68	68	173	248	328	295	30	22	-	2	59.8	50.2
MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION	46	46	102	125	206	157	19	13	-	2	60.3	50.1
METALWORKING AND PLASTIC WORKING MACHINE OPERATORS	-	7	18	-	30	37	6	-	-	2	66.7	84.8
PRINTING MACHINE OPERATORS	-	-	-	7	21	13	-	-	-	-	100.0	65.0
TEXTILE, APPAREL, AND FURNISHINGS MACHINE OPERATORS	-	31	8	58	2	44	-	-	-	-	20.0	33.1
TEXTILE MACHINE OPERATORS	-	3	8	-	-	2	-	-	-	-	-	40.0
TEXTILE SEWING MACHINE OPERATORS	-	20	-	23	-	18	-	-	-	-	-	29.5
LAUNDERING AND DRYCLEANING MACHINE OPERATORS	-	2	-	35	2	20	-	-	-	-	100.0	35.1
OTHER SPECIFIED MACHINE OPERATORS	17	1	27	23	72	17	3	-	-	-	63.0	41.5
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS	29	7	49	37	81	46	10	13	-	-	53.8	57.3
OCCUPATION:												
MISCELLANEOUS MACHINE OPERATORS, N.E.C.	6	7	11	-	11	14	6	-	-	-	50.0	66.7
MACHINE OPERATORS, NOT SPECIFIED	23	-	38	37	70	32	4	13	-	-	54.8	54.9
INDUSTRY:												
MANUFACTURING	27	7	31	28	74	32	8	13	-	-	58.6	56.3
NONDURABLE GOODS	9	7	6	2	10	13	-	13	-	-	40.0	74.3
FOOD AND KINDRED PRODUCTS	-	7	-	-	-	-	-	13	-	-	-	65.0
TEXTILE MILL AND FINISHED TEXTILE PRODUCTS	-	-	-	-	-	-	-	-	-	-	-	-
PAPER AND ALLIED PRODUCTS	9	-	-	2	2	2	-	-	-	-	18.2	50.0
OTHER NONDURABLE GOODS	-	-	6	-	8	11	-	-	-	-	57.1	100.0
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG	18	-	25	26	64	19	8	-	-	-	62.6	42.2
METAL INDUSTRIES	12	-	-	10	5	11	2	-	-	-	36.8	52.4
MACHINERY, INCLUDING ELECTRICAL	-	-	19	2	23	2	4	-	-	-	58.7	50.0
TRANSPORTATION EQUIPMENT	-	-	4	-	22	-	-	-	-	-	84.6	-
OTHER DURABLE GOODS	6	-	2	14	14	6	2	-	-	-	66.7	30.0
NONMANUFACTURING INDUSTRIES	2	-	18	9	7	14	2	-	-	-	31.0	60.9
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	-	-	11	-	5	-	-	-	-	-	31.3	-
WHOLESALE AND RETAIL TRADE	2	-	4	9	-	11	-	-	-	-	-	55.0
ALL OTHER INDUSTRIES	-	-	3	-	2	3	2	-	-	-	57.1	100.0
FABRICATORS, ASSEMBLERS, AND HAND WORKING OCCUPATIONS	16	22	71	108	108	101	7	2	-	-	56.9	44.2
WELDERS AND CUTTERS	8	-	31	-	38	2	2	-	-	-	50.6	100.0
ASSEMBLERS	8	22	37	108	62	99	5	2	-	-	59.8	43.7
OTHER FABRICATORS AND HAND WORKING OCCUPATIONS	-	-	3	-	8	-	-	-	-	-	72.7	-
PRODUCTION INSPECTORS, TESTERS, SAMPLERS, AND WEIGHERS	6	-	-	15	14	37	4	7	-	-	75.0	74.6
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	28	-	210	5	204	7	49	-	9	-	52.4	58.3
MOTOR VEHICLE OPERATORS	18	-	160	3	178	5	43	-	-	-	55.4	62.5
TRUCK DRIVERS AND DRIVER-SALES WORKERS	12	-	95	-	132	-	36	-	-	-	61.1	-
BUS DRIVERS	-	-	32	1	10	2	7	-	-	-	34.7	66.7
RAIL AND WATER TRANSPORTATION OCCUPATIONS	-	-	24	-	6	2	-	-	-	-	20.0	100.0
MATERIAL MOVING EQUIPMENT OPERATORS	10	-	26	2	20	-	6	-	9	-	49.3	-
EXCAVATING, GRADING, AND DOZER MACHINE OPERATORS	3	-	5	-	-	-	-	-	-	-	-	-
HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS	61	19	223	48	226	92	37	11	18	-	49.7	60.6
CONSTRUCTION LABORERS	7	-	63	2	51	-	10	-	-	-	46.6	-
FREIGHT, STOCK, AND MATERIAL HANDLERS	5	-	40	-	56	10	-	7	13	-	60.5	100.0
GARAGE AND SERVICE STATION RELATED OCCUPATIONS	-	-	2	-	4	1	11	-	-	-	88.2	100.0
HAND PACKERS AND PACKAGERS	-	13	8	14	6	14	-	2	-	-	42.9	37.2
OTHER SPECIFIED HANDLERS, EQUIPMENT CLEANERS, AND HELPERS	-	-	22	6	27	13	7	-	-	-	60.7	68.4
LABORERS, EXCEPT CONSTRUCTION	49	6	88	26	82	54	9	2	5	-	41.2	63.6
MANUFACTURING	8	6	16	11	26	46	-	-	-	-	52.0	73.0
NONDURABLE GOODS	6	-	9	-	14	32	-	-	-	-	48.3	100.0
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG.	2	6	7	11	12	14	-	-	-	-	57.1	45.2
METAL INDUSTRIES	-	-	-	-	-	-	-	-	-	-	-	-
NONMANUFACTURING INDUSTRIES	41	-	72	15	56	8	9	2	5	-	38.3	40.0
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	14	-	10	-	9	2	7	-	-	-	40.0	100.0
WHOLESALE AND RETAIL TRADE	-	-	9	-	16	6	2	-	-	-	66.7	100.0
ALL OTHER INDUSTRIES	27	-	53	15	31	-	-	2	5	-	31.0	11.8

TABLE 223. OCCUPATION OF EMPLOYED PERSONS BY YEARS OF SCHOOL COMPLETED, RACE, SPANISH ORIGIN, AND SEX: 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]

MINNESOTA	YEARS OF SCHOOL COMPLETED										PERCENT HIGH SCHOOL GRADUATES	
	ELEMENTARY		HIGH SCHOOL				COLLEGE					
	0 TO 8 YEARS		1 TO 3 YEARS		4 YEARS		1 TO 3 YEARS		4 OR MORE YEARS			
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
ASIAN AND PACIFIC ISLANDER												
EMPLOYED PERSONS 16 YEARS AND OVER	453	586	569	549	1 101	1 332	1 141	1 088	2 900	1 553	83.4	77.8
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS	49	37	30	58	126	123	253	257	1 845	763	96.6	92.3
EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS	37	-	5	16	81	75	121	89	433	175	93.8	95.5
OFFICIALS AND ADMINISTRATORS, PUBLIC ADMINISTRATION	-	-	-	-	-	-	-	-	-	-	-	-
ADMINISTRATORS, EDUCATION AND RELATED FIELDS	-	-	-	-	-	-	-	16	15	19	100.0	100.0
MANAGERS, MEDICINE AND HEALTH	-	-	-	-	-	-	-	-	11	-	100.0	-
OTHER SPECIFIED MANAGERS	6	-	-	-	-	9	7	6	35	32	87.5	100.0
MANAGERS AND ADMINISTRATORS, N.E.C., SALARIED	27	-	-	9	44	39	82	53	178	32	91.8	93.2
MANUFACTURING	-	-	-	-	24	-	12	14	62	-	100.0	100.0
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	-	-	-	-	-	-	2	-	7	-	100.0	-
WHOLESALE AND RETAIL TRADE	2	-	-	5	7	20	54	32	43	12	98.1	92.8
ALL OTHER INDUSTRIES	25	-	-	4	13	19	14	7	66	20	78.8	92.0
MANAGERS AND ADMINISTRATORS, N.E.C., SELF-EMPLOYED	2	-	5	-	18	15	-	-	6	10	77.4	100.0
CONSTRUCTION	-	-	-	-	-	-	-	-	-	-	-	-
MANUFACTURING	-	-	-	-	5	-	-	-	-	-	100.0	-
WHOLESALE AND RETAIL TRADE	2	-	5	-	13	7	-	-	6	-	73.1	100.0
ALL OTHER INDUSTRIES	-	-	-	-	-	8	-	-	-	10	-	100.0
MANAGEMENT RELATED OCCUPATIONS	2	-	-	7	19	12	32	14	188	82	99.2	93.9
ACCOUNTANTS AND AUDITORS	2	-	-	7	13	-	20	11	148	48	98.9	89.4
BUYERS AND PURCHASING AGENTS	-	-	-	-	-	-	6	-	-	6	100.0	100.0
PROFESSIONAL SPECIALTY OCCUPATIONS	12	37	25	42	45	48	132	168	1 412	588	97.7	91.1
ENGINEERS, ARCHITECTS, AND SURVEYORS	-	-	-	-	-	-	15	17	446	28	100.0	100.0
ARCHITECTS	-	-	-	-	-	-	-	-	11	-	100.0	-
ENGINEERS	-	-	-	-	-	-	15	17	435	28	100.0	100.0
ELECTRICAL AND ELECTRONIC ENGINEERS	-	-	-	-	-	-	8	-	123	-	100.0	-
MECHANICAL ENGINEERS	-	-	-	-	-	-	7	-	80	10	100.0	100.0
OTHER ENGINEERS	-	-	-	-	-	-	-	17	232	18	100.0	100.0
SURVEYORS AND MAPPING SCIENTISTS	-	-	-	-	-	-	-	-	-	-	-	-
MATHEMATICAL AND COMPUTER SCIENTISTS	-	4	-	-	7	-	-	14	111	13	100.0	87.1
COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS	-	-	-	-	7	-	-	8	76	9	100.0	100.0
NATURAL SCIENTISTS	-	-	-	-	-	-	-	-	95	26	100.0	100.0
HEALTH DIAGNOSING OCCUPATIONS	-	10	-	-	-	-	-	6	286	97	100.0	91.2
PHYSICIANS	-	10	-	-	-	-	-	6	262	97	100.0	91.2
DENTISTS	-	-	-	-	-	-	-	-	24	-	100.0	-
OTHER HEALTH DIAGNOSING PRACTITIONERS	-	-	-	-	-	-	-	-	-	-	-	-
HEALTH ASSESSMENT AND TREATING OCCUPATIONS	-	16	-	-	-	3	1	47	6	140	100.0	92.2
REGISTERED NURSES	-	16	-	-	-	3	1	47	6	126	100.0	91.7
PHARMACISTS	-	-	-	-	-	-	-	-	-	-	-	-
THERAPISTS	-	-	-	-	-	-	-	-	-	5	-	100.0
TEACHERS, LIBRARIANS, AND COUNSELORS	5	1	10	22	7	12	33	33	325	193	96.1	91.2
TEACHERS, POSTSECONDARY	5	-	-	12	-	-	24	-	269	47	98.3	79.7
TEACHERS, ELEMENTARY AND PRE-KINDERGARTEN	-	1	5	10	7	7	-	21	26	119	86.8	93.0
TEACHERS, SECONDARY	-	-	-	-	-	5	-	5	14	8	100.0	100.0
SOCIAL SCIENTISTS AND URBAN PLANNERS	-	6	-	-	-	-	-	5	27	7	100.0	66.7
SOCIAL AND RECREATION WORKERS	2	-	8	2	16	8	18	11	25	36	85.5	96.5
RELIGIOUS WORKERS	-	-	-	-	-	-	-	-	45	-	100.0	-
LAWYERS AND JUDGES	-	-	-	-	-	-	-	-	10	-	100.0	-
WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES	5	-	7	18	15	25	65	35	36	48	90.6	85.7
TECHNICAL,SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS	18	89	81	95	231	309	356	518	768	595	93.2	88.5
TECHNICIANS AND RELATED SUPPORT OCCUPATIONS	11	13	-	16	32	31	125	33	453	214	98.2	90.6
HEALTH TECHNOLOGISTS AND TECHNICIANS	-	6	-	8	2	2	13	7	54	85	100.0	87.0
LICENSED PRACTICAL NURSES	-	-	-	-	-	-	-	7	-	-	-	100.0
ENGINEERING AND SCIENCE TECHNICIANS	5	7	-	8	23	2	84	26	38	31	96.7	79.7
ELECTRICAL AND ELECTRONIC TECHNICIANS	-	-	-	-	16	2	40	8	19	-	100.0	100.0
DRAFTING AND SURVEYING TECHNICIANS	-	-	-	-	7	-	7	5	7	-	100.0	100.0
TECHNICIANS, EXCEPT HEALTH, ENGINEERING, AND SCIENCE	6	-	-	-	7	27	28	-	361	98	98.5	100.0
AIRPLANE PILOTS AND NAVIGATORS	-	-	-	-	-	-	-	-	-	-	-	-
COMPUTER PROGRAMMERS	6	-	-	-	-	17	20	-	183	68	97.1	100.0
SALES OCCUPATIONS	5	32	30	31	66	81	71	91	135	50	88.6	77.9
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS	-	7	2	2	6	3	5	7	8	3	90.5	59.1
SELF-EMPLOYED	-	-	-	-	-	-	-	7	2	-	100.0	100.0
SALES REPRESENTATIVES, FINANCE AND BUSINESS SERVICES	-	-	-	-	10	-	16	10	32	26	100.0	100.0
SALES REPRESENTATIVES, COMMODITIES, EXCEPT RETAIL	-	1	5	-	8	-	8	-	51	7	93.1	87.5
SALES WORKERS, RETAIL AND PERSONAL SERVICES	5	24	23	29	42	78	42	74	44	14	82.1	75.8
CASHIERS	-	-	6	14	-	29	-	31	11	5	64.7	82.3
SALES RELATED OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 223. OCCUPATION OF EMPLOYED PERSONS BY YEARS OF SCHOOL COMPLETED, RACE, SPANISH ORIGIN, AND SEX: 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]

MINNESOTA

	YEARS OF SCHOOL COMPLETED										PERCENT HIGH SCHOOL GRADUATES	
	ELEMENTARY		HIGH SCHOOL				COLLEGE					
	0 TO 8 YEARS		1 TO 3 YEARS		4 YEARS		1 TO 3 YEARS		4 OR MORE YEARS			
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
ASIAN AND PACIFIC ISLANDER												
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL	2	44	51	48	133	197	160	394	180	331	89.9	90.9
SUPERVISORS, ADMINISTRATIVE SUPPORT OCCUPATIONS	-	-	7	-	7	6	7	-	15	2	80.6	100.0
COMPUTER EQUIPMENT OPERATORS	-	-	-	-	37	5	33	3	14	26	100.0	100.0
SECRETARIES, STENOGRAPHERS, AND TYPISTS	-	13	-	4	-	66	-	115	6	53	100.0	93.2
SECRETARIES	-	7	-	2	-	49	-	69	6	39	100.0	94.6
RECEPTIONISTS	-	-	-	5	-	9	-	7	7	-	100.0	76.2
FILE CLERKS	-	-	-	11	-	-	4	12	9	16	100.0	71.8
FINANCIAL RECORDS PROCESSING OCCUPATIONS	-	4	9	7	11	33	5	59	29	47	83.3	92.7
BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS	-	4	9	7	11	33	5	40	29	32	83.3	90.5
TELEPHONE OPERATORS	-	-	-	-	-	-	-	6	-	-	-	100.0
MAIL AND MESSAGE DISTRIBUTING OCCUPATIONS	-	6	6	-	14	5	13	25	9	-	85.7	83.3
TRAFFIC, SHIPPING, STOCK AND INVENTORY CLERKS	-	5	22	-	31	-	29	5	27	-	79.8	50.0
INSURANCE ADJUSTERS, EXAMINERS, AND INVESTIGATORS	-	-	-	-	-	-	-	5	-	10	-	100.0
BANK TELLERS	-	-	-	-	-	12	-	9	5	19	100.0	100.0
DATA-ENTRY KEYERS	-	6	-	-	-	12	20	70	4	11	100.0	93.9
OTHER ADMINISTRATIVE SUPPORT OCCUPATIONS	2	10	7	21	33	49	49	78	55	147	93.8	89.8
SERVICE OCCUPATIONS	160	217	242	209	212	303	222	186	100	111	57.1	58.5
PRIVATE HOUSEHOLD OCCUPATIONS	-	2	-	-	-	-	-	-	-	-	-	-
PROTECTIVE SERVICE OCCUPATIONS	7	-	6	-	7	-	12	-	2	-	61.8	-
FIREFIGHTING OCCUPATIONS	-	-	6	-	-	-	-	-	-	-	-	-
POLICE AND DETECTIVES, PUBLIC SERVICE	-	-	-	-	7	-	6	-	2	-	100.0	-
GUARDS	7	-	-	-	-	-	6	-	-	-	46.2	-
OTHER PROTECTIVE SERVICE OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-
SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD	153	215	236	209	205	303	210	186	98	111	56.9	58.6
FOOD PREPARATION AND SERVICE OCCUPATIONS	86	122	142	143	154	129	158	89	26	51	59.7	50.4
WAITERS AND FOOD COUNTER WORKERS	10	54	-	87	-	32	22	63	-	7	68.8	42.0
COOKS	45	13	57	4	133	49	36	6	5	6	63.0	78.2
HEALTH SERVICE OCCUPATIONS	6	31	3	18	10	64	7	44	25	34	82.4	74.3
NURSING AIDES, ORDERLIES, AND ATTENDANTS	-	28	-	15	10	57	7	42	15	31	100.0	75.1
CLEANING AND BUILDING SERVICE OCCUPATIONS EXC. HOUSEHOLD	61	38	88	31	31	50	45	13	26	6	40.6	50.0
PERSONAL SERVICE OCCUPATIONS	-	24	3	17	10	60	-	40	21	20	91.2	74.5
BARBERS, HAIRDRESSERS AND COSMETOLOGISTS	-	-	3	4	-	20	-	6	-	-	-	86.7
FARMING, FORESTRY, AND FISHING OCCUPATIONS	5	7	-	-	32	4	11	-	2	-	90.0	36.4
FARM OPERATORS AND MANAGERS	2	3	-	-	26	2	10	-	-	-	94.7	40.0
FARM OCCUPATIONS, EXCEPT MANAGERIAL	3	4	-	-	6	2	1	-	2	-	75.0	33.3
RELATED AGRICULTURAL OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-
FORESTRY AND FISHING OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS	33	49	71	13	178	95	100	32	93	28	78.1	71.4
MECHANICS AND REPAIRERS	14	-	28	-	67	4	40	5	16	-	74.5	100.0
AUTOMOBILE MECHANICS, INCLUDING BODY	6	-	7	-	21	4	26	-	-	-	78.3	100.0
AIRCRAFT MECHANICS	6	-	-	-	-	-	-	5	10	-	62.5	100.0
HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS	-	-	-	-	-	-	-	-	-	-	-	-
OTHER MECHANICS AND REPAIRERS	2	-	21	-	46	-	14	-	6	-	74.2	-
CONSTRUCTION TRADES	4	-	7	-	36	4	2	-	23	-	84.7	100.0
CARPENTERS	4	-	-	-	7	-	2	-	2	-	73.3	-
ELECTRICIANS	-	-	7	-	1	-	-	-	7	-	53.3	-
PAINTERS, CONSTRUCTION AND MAINTENANCE	-	-	-	-	10	-	-	-	5	-	100.0	-
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	-	-	-	-	-	-	-	-	-	-	-	-
OTHER CONSTRUCTION TRADES	-	-	-	-	18	4	-	-	9	-	100.0	100.0
EXTRACTIVE OCCUPATIONS	-	-	7	-	10	-	-	-	-	-	58.8	-
PRECISION PRODUCTION OCCUPATIONS	15	49	29	13	65	87	58	27	54	28	80.1	69.6
SUPERVISORS, PRODUCTION OCCUPATIONS	-	9	-	-	15	17	16	-	47	15	100.0	78.0
MANUFACTURING	-	-	-	-	5	10	16	-	42	15	100.0	100.0
PRECISION METALWORKING OCCUPATIONS	-	7	8	-	28	7	15	-	-	-	84.3	50.0
TOOL AND DIE MAKERS	-	-	-	-	1	-	-	-	-	-	100.0	-
MACHINISTS	-	-	8	-	13	7	15	-	-	-	77.8	100.0
SHEET METAL WORKERS	-	-	-	-	5	-	-	-	-	-	100.0	-
OTHER PRECISION METAL WORKERS	-	7	-	-	9	-	-	-	-	-	100.0	-
PRECISION TEXTILE, APPAREL, AND FURNISHINGS MACHINE WORKERS	-	-	-	4	-	16	6	27	-	5	100.0	92.3
PLANT AND SYSTEM OPERATORS	-	-	-	-	2	-	-	-	-	-	100.0	-
OTHER PRECISION PRODUCTION OCCUPATIONS	15	33	21	9	20	47	21	-	7	8	57.1	56.7

TABLE 223. OCCUPATION OF EMPLOYED PERSONS BY YEARS OF SCHOOL COMPLETED, RACE, SPANISH ORIGIN, AND SEX: 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]

MINNESOTA

	YEARS OF SCHOOL COMPLETED										PERCENT HIGH SCHOOL GRADUATES	
	ELEMENTARY		HIGH SCHOOL				COLLEGE					
	0 TO 8 YEARS		1 TO 3 YEARS		4 YEARS		1 TO 3 YEARS		4 OR MORE YEARS			
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
ASIAN AND PACIFIC ISLANDER												
OPERATORS, FABRICATORS, AND LABORERS	188	187	145	174	322	498	199	95	92	56	64.8	64.3
MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS	146	157	130	139	236	441	155	84	56	42	61.8	65.7
MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION	87	75	74	64	123	137	90	17	40	17	61.1	55.2
METALWORKING AND PLASTIC WORKING MACHINE OPERATORS	35	-	14	2	23	10	29	-	8	-	55.0	83.3
PRINTING MACHINE OPERATORS	-	5	-	-	-	12	7	-	7	-	100.0	70.6
TEXTILE, APPAREL, AND FURNISHINGS MACHINE OPERATORS	-	39	6	23	5	61	15	2	-	12	76.9	54.7
TEXTILE MACHINE OPERATORS	-	-	6	-	-	6	6	-	-	-	50.0	100.0
TEXTILE SEWING MACHINE OPERATORS	-	14	-	9	-	42	-	2	-	12	-	70.9
LAUNDERING AND DRYCLEANING MACHINE OPERATORS	-	25	-	14	-	7	9	-	-	-	100.0	15.2
OTHER SPECIFIED MACHINE OPERATORS	13	23	15	-	32	6	11	4	7	5	64.1	39.5
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS	39	8	39	39	63	48	28	11	18	-	58.3	55.7
OCCUPATION:												
MISCELLANEOUS MACHINE OPERATORS, N.E.C.	19	8	-	2	5	18	7	6	-	-	38.7	70.6
MACHINE OPERATORS, NOT SPECIFIED	20	-	39	37	58	30	21	5	18	-	62.2	48.6
INDUSTRY:												
MANUFACTURING	32	5	39	34	63	48	18	11	10	-	56.2	60.2
NONDURABLE GOODS	8	-	13	34	19	43	5	-	6	-	58.8	55.8
FOOD AND KINDRED PRODUCTS	-	-	-	8	-	9	-	-	-	-	-	52.9
TEXTILE MILL AND FINISHED TEXTILE PRODUCTS	-	-	-	-	15	-	-	-	6	-	100.0	-
PAPER AND ALLIED PRODUCTS	8	-	6	-	-	8	-	-	-	-	-	100.0
OTHER NONDURABLE GOODS	-	-	7	26	4	26	5	-	-	-	56.3	50.0
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG	24	5	26	-	44	5	13	11	4	-	55.0	76.2
METAL INDUSTRIES	-	-	11	-	7	-	-	-	4	-	50.0	-
MACHINERY, INCLUDING ELECTRICAL	24	5	6	-	28	2	13	6	-	-	57.7	61.5
TRANSPORTATION EQUIPMENT	-	-	-	-	9	-	-	-	-	-	100.0	-
OTHER DURABLE GOODS	-	-	9	-	-	3	-	5	-	-	-	100.0
NONMANUFACTURING INDUSTRIES	7	3	-	5	-	-	10	-	8	-	72.0	-
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	-	-	-	-	-	-	-	-	-	-	-	-
WHOLESALE AND RETAIL TRADE	7	-	-	5	-	-	10	-	-	-	58.8	-
ALL OTHER INDUSTRIES	-	3	-	-	-	-	-	-	8	-	100.0	-
FABRICATORS, ASSEMBLERS, AND HAND WORKING OCCUPATIONS	51	63	43	75	111	286	56	59	8	20	65.1	72.6
WELDERS AND CUTTERS	8	-	7	-	20	-	14	-	-	-	69.4	-
ASSEMBLERS	42	63	29	56	91	279	42	59	8	20	66.5	75.1
OTHER FABRICATORS AND HAND WORKING OCCUPATIONS	1	-	7	19	-	7	-	-	-	-	-	26.9
PRODUCTION INSPECTORS, TESTERS, SAMPLERS, AND WEIGHERS	8	19	13	-	2	18	9	8	8	5	47.5	62.0
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	10	-	-	4	25	1	21	-	16	8	86.1	69.2
MOTOR VEHICLE OPERATORS	-	-	-	4	14	1	14	-	16	-	100.0	20.0
TRUCK DRIVERS AND DRIVER-SALES WORKERS	-	-	-	-	14	1	5	-	-	-	100.0	100.0
BUS DRIVERS	-	-	-	4	-	-	4	-	6	-	100.0	-
RAIL AND WATER TRANSPORTATION OCCUPATIONS	5	-	-	-	5	-	-	-	-	-	50.0	-
MATERIAL MOVING EQUIPMENT OPERATORS	5	-	-	-	6	-	7	-	-	8	72.2	100.0
EXCAVATING, GRADING, AND DOZER MACHINE OPERATORS	-	-	-	-	-	-	-	-	-	-	-	-
HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS	32	30	15	31	61	56	23	11	20	6	68.9	54.5
CONSTRUCTION LABORERS	-	-	9	-	4	-	-	-	-	-	30.8	-
FREIGHT, STOCK, AND MATERIAL HANDLERS	10	7	4	11	6	-	10	-	-	-	53.3	-
GARAGE AND SERVICE STATION RELATED OCCUPATIONS	-	-	-	-	-	-	7	-	-	-	100.0	-
HAND PACKERS AND PACKAGERS	18	13	-	14	-	41	6	-	5	6	37.9	63.5
OTHER SPECIFIED HANDLERS, EQUIPMENT CLEANERS, AND HELPERS	-	-	2	-	32	-	-	-	-	-	94.1	-
LABORERS, EXCEPT CONSTRUCTION	4	10	-	6	19	15	-	11	15	-	89.5	61.9
MANUFACTURING	4	8	-	6	6	13	-	3	-	-	60.0	53.3
NONDURABLE GOODS	4	6	-	-	6	11	-	-	-	-	60.0	64.7
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG.	-	2	-	6	-	2	-	3	-	-	-	38.5
METAL INDUSTRIES	-	2	-	-	-	-	-	-	-	-	-	-
NONMANUFACTURING INDUSTRIES	-	2	-	-	13	2	-	8	15	-	100.0	83.3
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	-	-	-	-	-	-	-	-	9	-	100.0	-
WHOLESALE AND RETAIL TRADE	-	-	-	-	13	-	-	-	-	-	100.0	-
ALL OTHER INDUSTRIES	-	2	-	-	-	2	-	8	6	-	100.0	83.3

TABLE 223. OCCUPATION OF EMPLOYED PERSONS BY YEARS OF SCHOOL COMPLETED, RACE, SPANISH ORIGIN, AND SEX: 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]

MINNESOTA

	YEARS OF SCHOOL COMPLETED										PERCENT HIGH SCHOOL GRADUATES	
	ELEMENTARY		HIGH SCHOOL				COLLEGE					
	0 TO 8 YEARS		1 TO 3 YEARS		4 YEARS		1 TO 3 YEARS		4 OR MORE YEARS			
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
SPANISH ORIGIN												
EMPLOYED PERSONS 16 YEARS AND OVER	1 055	493	1 000	1 088	2 184	1 978	1 160	939	1 001	490	67.9	68.3
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS	53	15	70	46	178	148	298	232	685	296	90.4	91.7
EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS	28	8	49	15	95	96	177	65	198	34	85.9	89.4
OFFICIALS AND ADMINISTRATORS, PUBLIC ADMINISTRATION	-	-	-	-	10	5	10	5	5	-	100.0	100.0
ADMINISTRATORS, EDUCATION AND RELATED FIELDS	-	-	2	-	-	-	-	2	11	-	84.6	100.0
MANAGERS, MEDICINE AND HEALTH	-	-	-	-	-	-	8	-	-	-	100.0	-
OTHER SPECIFIED MANAGERS	6	-	-	4	18	7	18	11	27	12	91.3	88.2
MANAGERS AND ADMINISTRATORS, N.E.C., SALARIED	16	8	19	11	32	51	91	17	100	15	86.4	81.4
MANUFACTURING	-	-	-	-	-	-	13	-	7	-	100.0	-
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	-	-	5	-	-	15	15	-	11	-	83.9	100.0
WHOLESALE AND RETAIL TRADE	-	-	6	5	13	14	33	12	28	5	92.5	86.1
ALL OTHER INDUSTRIES	16	8	8	6	19	22	30	5	54	10	81.1	72.5
MANAGERS AND ADMINISTRATORS, N.E.C., SELF-EMPLOYED	6	-	8	-	2	15	3	-	-	-	26.3	100.0
CONSTRUCTION	-	-	-	-	-	-	-	-	-	-	-	-
MANUFACTURING	-	-	-	-	-	-	-	-	-	-	-	-
WHOLESALE AND RETAIL TRADE	6	-	-	-	2	10	3	-	-	-	45.5	100.0
ALL OTHER INDUSTRIES	-	-	8	-	-	5	-	-	-	-	-	100.0
MANAGEMENT RELATED OCCUPATIONS	-	-	20	-	33	18	47	30	55	7	87.1	100.0
ACCOUNTANTS AND AUDITORS	-	-	5	-	6	12	13	20	12	7	86.1	100.0
BUYERS AND PURCHASING AGENTS	-	-	3	-	5	5	28	4	2	-	92.1	100.0
PROFESSIONAL SPECIALTY OCCUPATIONS	25	7	21	31	83	52	121	167	487	262	93.8	92.7
ENGINEERS, ARCHITECTS, AND SURVEYORS	-	-	12	-	13	-	28	6	106	9	92.5	100.0
ARCHITECTS	-	-	-	-	-	-	-	-	18	-	100.0	-
ENGINEERS	-	-	12	-	13	-	28	6	88	9	91.5	100.0
ELECTRICAL AND ELECTRONIC ENGINEERS	-	-	7	-	2	-	10	-	24	-	83.7	-
MECHANICAL ENGINEERS	-	-	-	-	-	-	-	-	9	-	100.0	-
OTHER ENGINEERS	-	-	5	-	11	-	18	6	55	9	94.4	100.0
SURVEYORS AND MAPPING SCIENTISTS	-	-	-	-	-	-	-	-	-	-	-	-
MATHEMATICAL AND COMPUTER SCIENTISTS	-	-	-	-	-	6	6	7	24	-	100.0	100.0
COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS	-	-	-	-	-	6	6	7	17	-	100.0	100.0
NATURAL SCIENTISTS	-	-	-	-	-	-	-	-	9	-	100.0	-
HEALTH DIAGNOSING OCCUPATIONS	-	-	1	-	-	-	2	6	91	6	98.9	100.0
PHYSICIANS	-	-	-	-	-	-	-	6	88	6	100.0	100.0
DENTISTS	-	-	-	-	-	-	-	-	-	-	-	-
OTHER HEALTH DIAGNOSING PRACTITIONERS	-	-	1	-	-	-	2	-	3	-	83.3	-
HEALTH ASSESSMENT AND TREATING OCCUPATIONS	7	-	6	6	-	8	-	61	13	37	50.0	94.6
REGISTERED NURSES	-	-	-	6	-	3	-	54	-	31	-	93.6
PHARMACISTS	-	-	-	-	-	-	-	-	1	-	100.0	-
THERAPISTS	7	-	6	-	-	5	-	7	12	-	48.0	100.0
TEACHERS, LIBRARIANS, AND COUNSELORS	2	-	-	6	24	32	34	56	174	119	99.1	97.2
TEACHERS, POSTSECONDARY	-	-	-	-	8	5	16	21	33	25	100.0	100.0
TEACHERS, ELEMENTARY AND PRE-KINDERGARTEN	-	-	-	1	-	7	6	-	63	43	100.0	98.0
TEACHERS, SECONDARY	2	-	-	-	10	7	-	13	45	44	96.5	100.0
SOCIAL SCIENTISTS AND URBAN PLANNERS	-	-	-	-	-	-	-	-	6	12	100.0	100.0
SOCIAL AND RECREATION WORKERS	-	-	-	6	8	6	23	10	6	10	100.0	81.3
RELIGIOUS WORKERS	-	7	-	2	-	-	-	-	6	11	100.0	55.0
LAWYERS AND JUDGES	-	-	-	-	-	-	6	-	16	7	100.0	100.0
WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES	16	-	2	11	38	-	22	21	36	51	84.2	86.7
TECHNICAL,SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS	43	49	114	389	440	987	267	490	140	99	84.4	78.3
TECHNICIANS AND RELATED SUPPORT OCCUPATIONS	-	4	2	7	55	43	72	28	44	20	98.8	89.2
HEALTH TECHNOLOGISTS AND TECHNICIANS	-	4	-	7	7	10	25	28	5	-	100.0	77.6
LICENSED PRACTICAL NURSES	-	4	-	-	-	10	-	20	-	-	-	88.2
ENGINEERING AND SCIENCE TECHNICIANS	-	-	2	-	45	9	35	-	11	15	97.8	100.0
ELECTRICAL AND ELECTRONIC TECHNICIANS	-	-	-	-	10	-	17	-	5	6	100.0	100.0
DRAFTING AND SURVEYING TECHNICIANS	-	-	-	-	20	3	11	-	-	6	100.0	100.0
TECHNICIANS, EXCEPT HEALTH, ENGINEERING, AND SCIENCE	-	-	-	-	3	24	12	-	28	5	100.0	100.0
AIRPLANE PILOTS AND NAVIGATORS	-	-	-	-	3	-	4	-	-	-	100.0	-
COMPUTER PROGRAMMERS	-	-	-	-	-	10	4	-	14	5	100.0	100.0
SALES OCCUPATIONS	6	14	38	142	92	129	58	108	65	28	83.0	62.9
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS	-	-	7	-	7	4	11	2	-	-	72.0	100.0
SELF-EMPLOYED	-	-	-	-	-	-	-	2	-	-	-	100.0
SALES REPRESENTATIVES, FINANCE AND BUSINESS SERVICES	-	6	-	-	23	19	19	22	17	7	100.0	88.9
SALES REPRESENTATIVES, COMMODITIES, EXCEPT RETAIL	2	-	10	-	13	-	2	2	21	8	75.0	100.0
SALES WORKERS, RETAIL AND PERSONAL SERVICES	4	8	21	142	49	106	26	82	27	13	80.3	57.3
CASHIERS	-	-	4	90	18	57	-	29	-	-	81.8	48.9
SALES RELATED OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 223. OCCUPATION OF EMPLOYED PERSONS BY YEARS OF SCHOOL COMPLETED, RACE, SPANISH ORIGIN, AND SEX: 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]

MINNESOTA

	YEARS OF SCHOOL COMPLETED										PERCENT HIGH SCHOOL GRADUATES	
	ELEMENTARY		HIGH SCHOOL				COLLEGE					
	0 TO 8 YEARS		1 TO 3 YEARS		4 YEARS		1 TO 3 YEARS		4 OR MORE YEARS			
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
SPANISH ORIGIN												
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL	37	31	74	240	293	815	137	354	31	51	80.6	81.8
SUPERVISORS, ADMINISTRATIVE SUPPORT OCCUPATIONS	6	-	-	-	7	20	12	-	8	-	81.8	100.0
COMPUTER EQUIPMENT OPERATORS	-	5	7	6	7	34	-	14	-	5	50.0	82.8
SECRETARIES, STENOGRAPHERS, AND TYPISTS	-	6	-	38	5	260	-	158	-	17	100.0	90.8
SECRETARIES	-	-	-	2	-	152	-	120	-	17	-	99.3
RECEPTIONISTS	-	-	-	15	-	40	6	33	-	-	100.0	83.0
FILE CLERKS	-	2	-	16	14	24	-	18	-	-	100.0	70.0
FINANCIAL RECORDS PROCESSING OCCUPATIONS	-	2	10	30	11	107	2	33	-	6	56.5	82.0
BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS	-	2	-	23	11	74	2	26	-	6	100.0	80.9
TELEPHONE OPERATORS	-	2	-	6	13	12	-	-	-	-	100.0	60.0
MAIL AND MESSAGE DISTRIBUTING OCCUPATIONS	2	-	-	23	86	7	12	11	-	-	98.0	43.9
TRAFFIC, SHIPPING, STOCK AND INVENTORY CLERKS	5	-	8	31	79	8	24	5	2	-	89.0	29.5
INSURANCE ADJUSTERS, EXAMINERS, AND INVESTIGATORS	-	-	-	-	-	-	4	7	6	-	100.0	100.0
BANK TELLERS	-	-	5	17	4	22	12	3	-	-	76.2	59.5
DATA-ENTRY KEYERS	-	-	-	7	-	90	-	-	-	-	-	92.8
OTHER ADMINISTRATIVE SUPPORT OCCUPATIONS	24	14	44	51	67	191	65	72	15	23	68.4	81.5
SERVICE OCCUPATIONS	256	180	180	326	292	443	165	136	53	64	53.9	56.0
PRIVATE HOUSEHOLD OCCUPATIONS	6	14	-	14	-	17	-	5	-	-	-	44.0
PROTECTIVE SERVICE OCCUPATIONS	3	-	10	-	46	28	30	-	10	2	86.9	100.0
FIREFIGHTING OCCUPATIONS	-	-	-	-	9	-	-	-	-	-	100.0	-
POLICE AND DETECTIVES, PUBLIC SERVICE	-	-	-	-	6	-	19	-	-	2	100.0	100.0
GUARDS	1	-	4	-	11	23	6	-	-	-	77.3	100.0
OTHER PROTECTIVE SERVICE OCCUPATIONS	2	-	6	-	20	5	5	-	10	-	81.4	100.0
SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD	247	166	170	312	246	398	135	131	43	62	50.4	55.3
FOOD PREPARATION AND SERVICE OCCUPATIONS	63	58	78	156	79	147	47	25	11	22	49.3	47.5
WAITERS AND FOOD COUNTER WORKERS	10	4	8	72	11	68	7	5	5	13	56.1	53.1
COOKS	12	28	20	43	27	37	29	-	6	-	66.0	34.3
HEALTH SERVICE OCCUPATIONS	19	36	5	73	27	109	17	43	13	12	70.4	60.1
NURSING AIDES, ORDERLIES, AND ATTENDANTS	19	15	5	59	27	76	5	41	13	5	65.2	62.2
CLEANING AND BUILDING SERVICE OCCUPATIONS EXC. HOUSEHOLD	165	35	76	46	115	45	59	6	11	-	43.4	38.6
PERSONAL SERVICE OCCUPATIONS	-	37	11	37	25	97	12	57	8	28	80.4	71.1
BARBERS, HAIRDRESSERS AND COSMETOLOGISTS	-	12	11	1	25	10	5	5	-	-	73.2	53.6
FARMING, FORESTRY, AND FISHING OCCUPATIONS	89	18	37	15	52	15	10	12	4	2	34.4	46.8
FARM OPERATORS AND MANAGERS	27	12	3	3	21	11	-	2	4	-	45.5	46.4
FARM OCCUPATIONS, EXCEPT MANAGERIAL	47	6	20	10	27	4	6	2	-	2	33.0	33.3
RELATED AGRICULTURAL OCCUPATIONS	15	-	14	2	4	-	2	6	-	-	17.1	75.0
FORESTRY AND FISHING OCCUPATIONS	-	-	-	-	-	-	2	2	-	-	100.0	100.0
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS	190	26	127	81	403	40	195	9	48	13	67.1	36.7
MECHANICS AND REPAIRERS	56	10	26	-	169	-	56	7	-	6	73.3	56.5
AUTOMOBILE MECHANICS, INCLUDING BODY	23	-	5	-	29	-	2	-	-	-	52.5	-
AIRCRAFT MECHANICS	6	-	-	-	-	-	-	-	-	-	-	-
HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS	-	-	-	-	7	-	-	-	-	-	100.0	-
OTHER MECHANICS AND REPAIRERS	27	10	21	-	133	-	54	7	-	6	79.6	56.5
CONSTRUCTION TRADES	52	-	35	-	70	7	55	-	22	-	62.8	100.0
CARPENTERS	17	-	8	-	23	-	12	-	3	-	60.3	-
ELECTRICIANS	-	-	9	-	5	-	2	-	-	-	43.8	-
PAINTERS, CONSTRUCTION AND MAINTENANCE	-	-	4	-	2	-	7	-	-	-	69.2	-
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	8	-	3	-	12	-	2	-	5	-	63.3	-
OTHER CONSTRUCTION TRADES	27	-	11	-	28	7	32	-	14	-	66.1	100.0
EXTRACTIVE OCCUPATIONS	9	-	-	-	7	-	-	-	-	-	43.8	-
PRECISION PRODUCTION OCCUPATIONS	73	16	66	81	157	33	84	2	26	7	65.8	30.2
SUPERVISORS, PRODUCTION OCCUPATIONS	7	-	24	34	58	6	23	2	19	-	76.3	19.0
MANUFACTURING	7	-	17	20	49	6	17	-	19	-	78.0	23.1
PRECISION METALWORKING OCCUPATIONS	2	-	21	10	13	-	23	-	3	-	62.9	-
TOOL AND DIE MAKERS	-	-	-	-	2	-	10	-	-	-	100.0	-
MACHINISTS	2	-	21	5	6	-	13	-	3	-	48.9	-
SHEET METAL WORKERS	-	-	-	-	5	-	-	-	-	-	100.0	-
OTHER PRECISION METAL WORKERS	-	-	-	5	-	-	-	-	-	-	-	-
PRECISION TEXTILE, APPAREL, AND FURNISHINGS MACHINE WORKERS	-	-	5	-	19	-	-	-	-	7	79.2	100.0
PLANT AND SYSTEM OPERATORS	-	-	-	-	5	12	6	-	4	-	100.0	100.0
OTHER PRECISION PRODUCTION OCCUPATIONS	64	16	16	37	62	15	32	-	-	-	54.0	22.1

TABLE 223. OCCUPATION OF EMPLOYED PERSONS BY YEARS OF SCHOOL COMPLETED, RACE, SPANISH ORIGIN, AND SEX: 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]

MINNESOTA

	YEARS OF SCHOOL COMPLETED										PERCENT HIGH SCHOOL GRADUATES	
	ELEMENTARY		HIGH SCHOOL				COLLEGE					
	0 TO 8 YEARS		1 TO 3 YEARS		4 YEARS		1 TO 3 YEARS		4 OR MORE YEARS			
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
SPANISH ORIGIN												
OPERATORS, FABRICATORS, AND LABORERS	424	205	472	231	819	345	225	60	71	16	55.4	49.1
MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS	217	159	234	176	476	283	150	47	45	8	59.8	50.2
MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION	157	115	146	83	338	90	107	28	24	3	60.8	37.9
METALWORKING AND PLASTIC WORKING MACHINE OPERATORS	24	-	28	6	28	2	10	-	-	3	42.2	45.5
PRINTING MACHINE OPERATORS	2	-	-	-	52	-	18	-	-	-	97.2	-
TEXTILE, APPAREL, AND FURNISHINGS MACHINE OPERATORS	11	38	-	19	5	34	8	12	6	-	63.3	44.7
TEXTILE MACHINE OPERATORS	-	-	-	-	-	6	-	-	-	-	-	100.0
TEXTILE SEWING MACHINE OPERATORS	-	21	-	9	-	6	-	6	6	-	100.0	28.6
LAUNDERING AND DRYCLEANING MACHINE OPERATORS	5	12	-	8	5	8	8	6	-	-	72.2	41.2
OTHER SPECIFIED MACHINE OPERATORS	51	7	55	19	131	2	34	-	11	-	62.4	7.1
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS	69	70	63	39	122	52	37	16	7	-	55.7	38.4
OCCUPATION:												
MISCELLANEOUS MACHINE OPERATORS, N.E.C.	20	18	17	8	15	17	-	7	-	-	28.8	48.0
MACHINE OPERATORS, NOT SPECIFIED	49	52	46	31	107	35	37	9	7	-	61.4	34.6
INDUSTRY:												
MANUFACTURING	54	54	60	39	103	42	29	12	7	-	54.9	36.7
NONDURABLE GOODS	20	35	6	21	48	42	9	7	2	-	69.4	46.7
FOOD AND KINDRED PRODUCTS	15	30	-	-	36	23	-	-	2	-	71.7	43.4
TEXTILE MILL AND FINISHED TEXTILE PRODUCTS	-	-	-	-	-	-	-	-	-	-	-	-
PAPER AND ALLIED PRODUCTS	-	5	-	-	12	4	9	-	-	-	100.0	44.4
OTHER NONDURABLE GOODS	5	-	6	21	-	15	-	7	-	-	-	51.2
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG	34	19	54	18	55	-	20	5	5	-	47.6	11.9
METAL INDUSTRIES	16	5	4	-	19	-	-	5	-	-	48.7	50.0
MACHINERY, INCLUDING ELECTRICAL	18	-	23	-	31	-	5	-	-	-	46.8	-
TRANSPORTATION EQUIPMENT	-	-	14	-	-	-	2	-	-	-	12.5	-
OTHER DURABLE GOODS	-	14	13	18	5	-	13	-	5	-	63.9	-
NONMANUFACTURING INDUSTRIES	15	16	3	-	19	10	8	4	-	-	60.0	46.7
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	-	5	-	-	2	-	-	-	-	-	100.0	-
WHOLESALE AND RETAIL TRADE	13	5	-	-	17	-	-	-	-	-	56.7	-
ALL OTHER INDUSTRIES	2	6	3	-	-	10	8	4	-	-	61.5	70.0
FABRICATORS, ASSEMBLERS, AND HAND WORKING OCCUPATIONS	49	29	88	71	114	158	41	12	6	5	54.0	63.6
WELDERS AND CUTTERS	31	-	22	-	55	-	12	-	-	-	55.8	-
ASSEMBLERS	13	29	59	54	50	135	29	11	6	5	54.1	64.5
OTHER FABRICATORS AND HAND WORKING OCCUPATIONS	5	-	7	17	9	23	-	1	-	-	42.9	58.5
PRODUCTION INSPECTORS, TESTERS, SAMPLERS, AND WEIGHERS	11	15	-	22	24	35	2	7	15	-	78.8	53.2
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	80	-	114	1	154	7	31	8	11	8	50.3	95.8
MOTOR VEHICLE OPERATORS	57	-	89	1	94	7	19	8	6	-	44.9	93.8
TRUCK DRIVERS AND DRIVER-SALES WORKERS	51	-	78	-	45	-	19	-	6	-	35.2	-
BUS DRIVERS	6	-	6	1	19	7	-	8	-	-	61.3	93.8
RAIL AND WATER TRANSPORTATION OCCUPATIONS	-	-	-	-	21	-	4	-	-	-	100.0	-
MATERIAL MOVING EQUIPMENT OPERATORS	23	-	25	-	39	-	8	-	5	8	52.0	100.0
EXCAVATING, GRADING, AND DOZER MACHINE OPERATORS	3	-	-	-	7	-	5	-	-	-	80.0	-
HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS	127	46	124	54	189	55	44	5	15	-	49.7	37.5
CONSTRUCTION LABORERS	19	-	10	-	9	-	12	-	-	-	42.0	-
FREIGHT, STOCK, AND MATERIAL HANDLERS	16	-	29	2	92	7	3	-	8	-	69.6	77.8
GARAGE AND SERVICE STATION RELATED OCCUPATIONS	2	-	25	-	1	-	-	-	-	-	3.6	-
HAND PACKERS AND PACKAGERS	-	10	-	7	12	27	2	-	-	-	100.0	61.4
OTHER SPECIFIED HANDLERS, EQUIPMENT CLEANERS, AND HELPERS	9	13	9	6	6	4	5	5	-	-	37.9	32.1
LABORERS, EXCEPT CONSTRUCTION	81	23	51	39	69	17	22	-	7	-	42.6	21.5
MANUFACTURING	52	18	37	26	50	17	12	-	7	-	43.7	27.9
NONDURABLE GOODS	28	8	20	7	23	3	12	-	-	-	42.2	16.7
DURABLE GOODS, INCLUDING NOT SPECIFIED MFG	24	10	17	19	27	14	-	-	7	-	45.3	32.6
METAL INDUSTRIES	11	10	3	-	13	-	-	-	7	-	58.8	-
NONMANUFACTURING INDUSTRIES	29	5	14	13	19	-	10	-	-	-	40.3	-
TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES	17	-	-	-	15	-	7	-	-	-	56.4	-
WHOLESALE AND RETAIL TRADE	5	-	10	-	4	-	-	-	-	-	21.1	-
ALL OTHER INDUSTRIES	7	5	4	13	-	-	3	-	-	-	21.4	-

TABLE 224. (A) OCCUPATION OF EMPLOYED PERSONS BY INDUSTRY: 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]

MINNESOTA

	TOTAL	AGRICULTURE FORESTRY AND FISHERIES	MINING	CONSTRUCTION	MANUFACTURING						
						NONDURABLE GOODS					
					TOTAL	TOTAL	FOOD AND KINDRED PRODUCTS	TEXTILE MILL PRODUCTS	APPAREL AND OTHER FINISHED TEXTILE PROD.	PAPER AND ALLIED PRODUCTS	PRINTING PUBLISHING AND ALLIED INDUSTRIES
EMPLOYED PERSONS 16 YEARS AND OVER	1 885 521	110 647	15 221	99 380	380 763	131 666	45 969	2 733	5 892	14 738	36 515
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS	434 495	2 794	1 418	9 359	71 140	21 679	7 001	274	550	1 818	7 309
EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS	200 130	1 128	806	7 612	44 086	14 784	5 596	233	470	1 286	3 898
OFFICIALS AND ADMINISTRATORS, PUBLIC ADMINISTRATION	5 711	-	-	171	-	-	-	-	-	-	-
FINANCIAL MANAGERS	6 987	41	18	126	1 778	630	238	-	32	36	145
ADMINISTRATORS, EDUCATION AND RELATED FIELDS	5 859	-	6	6	28	17	2	-	-	-	3
MANAGERS, MEDICINE AND HEALTH	2 074	-	-	-	-	-	-	-	-	-	-
OTHER SPECIFIED MANAGERS	24 668	155	32	493	6 842	2 532	889	33	72	201	840
MANAGERS AND ADMINISTRATORS, N.E.C.	104 183	719	421	5 572	25 668	8 608	2 923	147	297	763	2 452
SALARIED	94 110	595	404	4 345	24 697	8 155	2 854	127	265	755	2 154
SELF-EMPLOYED	10 073	124	17	1 227	971	453	69	20	32	8	298
MANAGEMENT RELATED OCCUPATIONS	50 648	213	329	1 244	9 770	2 997	1 544	53	69	286	458
ACCOUNTANTS AND AUDITORS	20 769	91	120	557	4 669	1 539	815	16	19	151	247
PERSONNEL, TRAINING, AND LABOR RELATIONS SPECIALISTS	8 514	55	129	174	1 802	497	216	30	23	33	92
BUYERS AND PURCHASING AGENTS	7 932	29	29	181	2 629	773	431	7	23	81	82
INSPECTORS AND COMPLIANCE OFFICERS	3 454	11	34	281	57	13	8	-	-	-	-
OTHER MANAGEMENT RELATED OCCUPATIONS	9 979	27	17	51	613	175	74	-	4	21	37
PROFESSIONAL SPECIALTY OCCUPATIONS	234 365	1 666	612	1 747	27 054	6 895	1 405	41	80	532	3 411
ENGINEERS, ARCHITECTS, AND SURVEYORS	25 195	231	458	1 329	14 513	1 583	453	26	15	307	114
ARCHITECTS	1 961	178	-	109	66	9	4	-	-	-	5
ENGINEERS	22 509	33	404	1 132	14 429	1 567	449	26	15	307	102
CIVIL ENGINEERS	2 874	25	26	947	217	65	43	-	-	-	-
ELECTRICAL AND ELECTRONIC ENGINEERS	5 593	-	20	32	3 936	71	20	-	-	34	-
INDUSTRIAL ENGINEERS	4 503	-	48	21	3 771	499	123	17	13	121	72
MECHANICAL ENGINEERS	3 624	1	63	45	2 986	208	72	-	-	38	16
OTHER ENGINEERS	5 915	7	247	87	3 519	724	191	9	2	114	14
SURVEYORS AND MAPPING SCIENTISTS	725	20	54	88	18	7	-	-	-	-	7
COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS	4 417	-	-	20	2 329	246	121	2	-	22	32
OPERATIONS AND SYSTEMS RESEARCHERS AND ANALYSTS	1 034	-	1	5	402	76	14	-	-	10	18
MATHEMATICAL SCIENTISTS	650	14	6	5	141	11	2	-	-	9	-
NATURAL SCIENTISTS	4 768	416	117	53	1 454	787	276	2	-	96	14
CHEMISTS, EXCEPT BIOCHEMISTS	1 628	7	57	-	1 034	572	136	2	-	69	14
HEALTH DIAGNOSING OCCUPATIONS	11 937	724	-	-	35	17	15	-	-	-	-
HEALTH ASSESSMENT AND TREATING OCCUPATIONS	37 835	5	-	6	248	75	52	-	-	-	17
REGISTERED NURSES	29 514	3	-	-	219	46	25	-	-	-	15
TEACHERS, EXCEPT POSTSECONDARY	75 161	38	6	-	346	90	61	-	11	-	12
SOCIAL SCIENTISTS AND URBAN PLANNERS	4 023	11	-	54	849	244	141	-	11	5	32
SOCIAL AND RECREATION WORKERS	10 301	13	-	4	19	2	2	-	-	-	-
LAWYERS AND JUDGES	8 865	-	-	22	278	141	72	-	-	3	19
WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES	23 730	214	24	249	6 177	3 540	167	11	37	80	3 123
OTHER PROFESSIONAL SPECIALTY OCCUPATIONS	26 449	-	-	-	263	83	29	-	6	-	30
TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS	567 909	3 512	1 333	10 587	88 232	30 364	8 245	365	1 101	2 576	11 933
TECHNICIANS AND RELATED SUPPORT OCCUPATIONS	65 735	767	397	2 443	19 137	3 136	1 100	21	34	398	602
HEALTH TECHNOLOGISTS AND TECHNICIANS	22 143	243	13	-	134	12	6	-	-	-	6
LICENSED PRACTICAL NURSES	10 175	-	-	-	10	5	5	-	-	-	-
OTHER HEALTH TECHNOLOGISTS AND TECHNICIANS	11 968	243	13	-	124	7	1	-	-	-	6
ENGINEERING AND SCIENCE TECHNICIANS	23 065	380	303	2 262	11 870	2 263	884	12	21	288	311
ELECTRICAL AND ELECTRONIC TECHNICIANS	6 978	14	42	32	4 888	248	10	7	12	11	200
INDUSTRIAL AND MECHANICAL ENGINEERING TECHNICIANS	449	-	4	5	380	69	12	-	-	44	-
DRAFTING AND SURVEYING TECHNICIANS	7 075	29	99	929	3 095	232	57	-	2	48	44
TECHNICIANS, EXCEPT HEALTH, ENGINEERING, AND SCIENCE	20 527	144	81	181	7 133	861	210	9	13	110	285

TABLE 224. (A) OCCUPATION OF EMPLOYED PERSONS BY INDUSTRY: 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]

MINNESOTA

	TOTAL	AGRICULTURE FORESTRY AND FISHERIES	MINING	CONSTRUCTION	MANUFACTURING TOTAL	MANUFACTURING NONDURABLE GOODS TOTAL	FOOD AND KINDRED PRODUCTS	TEXTILE MILL PRODUCTS	APPAREL AND OTHER FINISHED TEXTILE PROD.	PAPER AND ALLIED PRODUCTS	PRINTING PUBLISHING AND ALLIED INDUSTRIES
COMPUTER PROGRAMMERS. . .	9 352	14	32	34	4 654	461	108	2	13	25	210
OTHER TECHNICIANS, EXCEPT HEALTH, ENGINEERING, AND SCIENCE.	11 175	130	49	147	2 479	400	102	7	-	85	75
SALES OCCUPATIONS.	187 186	523	37	1 229	14 438	7 529	1 306	105	376	421	3 744
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS	24 823	21	8	87	929	364	171	7	12	12	126
SELF-EMPLOYED	6 609	4	1	12	69	10	4	-	-	-	-
SALES REPRESENTATIVES, FINANCE AND BUSINESS SERVICES.	35 951	166	-	1 019	2 240	2 151	6	-	-	-	2 133
SALES REPRESENTATIVES, COMMODITIES, EXC. RETAIL.	26 896	244	27	19	9 321	3 427	1 048	98	364	409	7
SALES WORKERS, RETAIL AND PERSONAL SERVICES . .	98 790	92	2	104	1 875	1 567	65	-	-	-	1 478
CASHIERS.	28 532	68	2	9	185	124	63	-	-	-	43
SALES RELATED OCCUPATIONS.	726	-	-	-	73	20	16	-	-	-	-
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL.	314 988	2 222	899	6 915	54 657	19 699	5 839	239	691	1 757	7 587
SUPERVISORS, ADMINISTRATIVE SUPPORT OCCUPATIONS	14 848	65	47	286	2 890	1 048	335	8	58	149	277
COMPUTER EQUIPMENT OPERATORS	7 150	8	39	121	2 141	516	172	5	34	48	191
SECRETARIES, STENOGRAPHERS, & TYPISTS.	87 588	582	167	2 481	14 204	4 721	1 649	46	145	405	1 484
SECRETARIES	73 391	518	156	2 277	12 420	3 865	1 473	46	100	365	987
RECEPTIONISTS.	11 326	155	4	191	954	360	111	7	8	23	132
OTHER INFORMATION CLERKS .	7 243	18	17	50	311	155	51	-	2	9	70
FILE CLERKS.	4 271	6	8	38	1 168	509	225	12	12	36	155
OTHER RECORDS PROCESSING OCCUPATIONS, EXCEPT FINANCIAL	12 514	34	22	50	1 787	836	125	15	45	80	464
BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS . . .	41 033	882	129	2 297	5 530	2 270	917	14	57	113	745
PAYROLL AND TIMEKEEPING CLERKS.	2 508	14	29	107	705	319	135	15	12	45	52
OTHER FINANCIAL RECORDS PROCESSING OCCUPATIONS. .	5 028	17	17	29	741	357	90	7	8	33	147
TELEPHONE OPERATORS. . . .	3 904	16	2	30	268	106	5	5	-	5	66
MAIL AND MESSAGE DISTRIBUTING OCCUPATIONS.	14 248	19	8	29	1 085	720	85	-	-	21	555
PRODUCTION COORDINATORS AND EXPEDITERS.	6 889	18	78	130	3 466	723	116	19	34	93	309
TRAFFIC, SHIPPING AND RECEIVING CLERKS.	9 063	9	10	59	4 255	1 375	289	37	81	234	385
STOCK AND INVENTORY CLERKS	10 275	37	74	164	3 641	753	287	20	60	100	101
OTHER MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING CLERKS . . .	4 134	42	63	44	640	424	287	-	8	34	17
DATA-ENTRY KEYERS.	8 554	13	31	97	2 124	750	208	3	9	75	321
OTHER ADMINISTRATIVE SUPPORT OCCUPATIONS . . .	64 412	287	154	712	8 747	3 757	752	26	118	254	2 116
SERVICE OCCUPATIONS.	264 633	637	432	780	8 340	3 710	2 066	26	83	412	527
PRIVATE HOUSEHOLD OCCUPATIONS	6 979	-	-	-	-	-	-	-	-	-	-
PROTECTIVE SERVICE OCCUPATIONS	16 955	195	88	44	1 071	353	164	2	2	62	31
GUARDS.	6 653	42	79	44	1 000	347	158	2	2	62	31
OTHER PROTECTIVE SERVICE OCCUPATIONS.	10 302	153	9	-	71	6	6	-	-	-	-
SERVICE OCCUPATIONS, EXC. PROTECTIVE AND HOUSEHOLD. .	240 699	442	344	736	7 269	3 357	1 902	24	81	350	496
FOOD PREPARATION AND SERVICE OCCUPATIONS . . .	101 689	26	5	11	721	456	359	-	-	45	20
HEALTH SERVICE OCCUPATIONS	44 266	12	-	7	72	45	19	-	-	-	16
CLEANING AND BUILDING SERVICE OCCUPATIONS, EXC. HOUSEHOLD	55 489	280	337	681	6 345	2 801	1 493	24	81	305	460
PERSONAL SERVICE OCCUPATIONS	39 255	124	2	37	131	55	31	-	-	-	-
FARMING, FORESTRY, AND FISHING OCCUPATIONS	106 902	101 456	1	161	1 728	94	48	-	-	42	-
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS. . . .	212 891	742	6 835	59 507	59 874	18 135	8 329	392	721	2 359	2 785
MECHANICS AND REPAIRERS . . .	66 538	454	3 500	3 336	11 214	3 842	1 699	117	54	728	361
SUPERVISORS, MECHANICS AND REPAIRERS	2 620	29	159	90	262	102	68	-	-	16	8
AUTOMOBILE MECHANICS, INCLUDING BODY.	21 635	90	535	504	902	323	215	19	2	26	17
INDUSTRIAL MACHINERY REPAIRERS	7 177	139	905	233	4 138	1 884	775	39	23	240	227
ELECTRONIC REPAIRERS, COMMUNICATIONS AND INDUSTRIAL EQUIPMENT. . . .	2 679	2	36	89	214	12	2	-	-	2	-
HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS . .	1 444	4	11	411	275	33	17	-	-	2	12
OTHER MECHANICS AND REPAIRERS	30 983	190	1 854	2 009	5 423	1 488	622	59	29	442	97
CONSTRUCTION TRADES	72 384	196	782	54 750	4 726	973	311	9	23	324	105
SUPERVISORS, CONSTRUCTION OCCUPATIONS	10 601	22	62	9 088	204	40	20	-	-	11	6
CARPENTERS	22 344	128	65	18 919	1 061	171	59	7	7	30	38
ELECTRICIANS	9 124	2	513	5 735	1 256	372	137	2	-	146	35
PAINTERS, CONSTRUCTION AND MAINTENANCE	5 457	14	29	3 770	694	64	22	-	-	6	2
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS.	7 264	9	42	4 946	687	253	59	-	-	120	19
OTHER CONSTRUCTION TRADES. .	17 594	21	71	12 292	824	73	14	-	16	11	5

TABLE 224. (A) OCCUPATION OF EMPLOYED PERSONS BY INDUSTRY: 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]

MINNESOTA	TOTAL	AGRICULTURE FORESTRY AND FISHERIES	MINING	CONSTRUCTION	MANUFACTURING						
						NONDURABLE GOODS					
					TOTAL	TOTAL	FOOD AND KINDRED PRODUCTS	TEXTILE MILL PRODUCTS	APPAREL AND OTHER FINISHED TEXTILE PROD.	PAPER AND ALLIED PRODUCTS	PRINTING AND PUBLISHING ALLIED INDUSTRIES
EXTRACTIVE OCCUPATIONS	2 185	2	2 025	42	85	29	6	9	-	2	-
PRECISION PRODUCTION OCCUPATIONS	71 784	90	528	1 379	43 849	13 291	6 313	257	644	1 305	2 319
SUPERVISORS, PRODUCTION OCCUPATIONS	26 140	46	203	160	17 858	6 170	2 277	178	201	868	1 277
PRECISION METALWORKING OCCUPATIONS	16 117	5	250	996	12 970	1 294	212	30	22	263	167
TOOL AND DIE MAKERS	3 192	-	-	3	3 048	276	-	3	-	49	10
MACHINISTS	8 964	5	212	64	7 653	819	193	20	8	189	62
SHEET METALWORKERS	2 220	-	5	812	1 086	25	8	-	-	12	-
OTHER PRECISION METALWORKERS	1 741	-	33	117	1 183	174	11	7	14	13	95
PRECISION TEXTILE, APPAREL, AND FURNISHINGS MACHINE WORKERS	4 239	2	-	15	877	665	24	45	398	12	-
PRECISION FOOD PRODUCTION OCCUPATIONS	9 696	22	2	6	3 554	3 467	3 437	-	-	8	-
PRECISION INSPECTORS, TESTERS, AND RELATED WORKERS	1 279	-	-	66	749	40	11	-	-	9	6
PLANT AND SYSTEM OPERATORS	4 864	14	67	90	1 418	750	340	4	6	142	34
OTHER PRECISION PRODUCTION OCCUPATIONS	9 449	1	6	46	6 423	905	12	-	17	3	835
OPERATORS, FABRICATORS, AND LABORERS	298 691	1 506	5 202	18 986	151 449	57 684	20 280	1 676	3 437	7 531	13 961
MACHINE OPERATORS, ASSEMBLERS, & INSPECTORS	145 440	346	1 181	2 082	117 693	39 305	8 958	1 494	3 086	5 229	12 266
MACHINE OPERATORS AND TENDERS, EXC. PRECISION	84 742	267	446	679	67 423	32 619	6 963	1 255	2 740	4 391	11 220
METALWORKING AND PLASTIC WORKING MACHINE OPERATORS	11 086	7	35	83	10 379	375	68	5	2	26	95
FABRICATING MACHINE OPERATORS, N.E.C.	321	-	1	9	285	19	-	-	-	1	18
METAL AND PLASTIC PROCESSING AND WOODWORKING MACHINE OPERATORS	7 333	15	26	62	6 782	1 978	27	35	14	287	155
PRINTING MACHINE OPERATORS	11 341	-	-	10	10 131	9 637	59	14	28	350	9 116
TEXTILE MACHINE OPERATORS	1 032	-	2	12	984	831	32	609	23	70	19
TEXTILE SEWING MACHINE OPERATORS	3 538	2	8	-	3 127	2 602	23	263	2 166	30	6
LAUNDERING AND DRYCLEANING MACHINE OPERATORS	3 761	-	-	3	33	33	23	10	-	-	-
PACKAGING AND FILLING MACHINE OPERATORS	2 444	-	-	-	2 175	1 960	1 716	29	-	76	37
FURNACE, KILN, AND OVEN OPERATORS, EXCEPT FOOD	2 090	7	90	29	1 190	420	237	8	-	64	2
OTHER SPECIFIED MACHINE OPERATORS	14 720	81	284	156	9 889	5 506	2 033	120	262	1 057	634
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS	27 076	155	-	315	22 448	9 258	2 745	162	245	2 430	1 138
FABRICATORS, ASSEMBLERS, AND HAND WORKING OCCUPATIONS	49 425	69	646	1 364	40 917	4 231	1 111	142	139	556	679
WELDERS AND CUTTERS	13 575	40	641	1 157	9 160	395	156	8	6	94	25
ASSEMBLERS	33 078	27	2	175	29 731	3 137	550	96	109	429	550
HAND WORKING OCCUPATIONS	1 834	2	3	29	1 140	657	391	35	20	33	87
PRODUCTION INSPECTORS, TESTERS, SAMPLERS, AND WEIGHERS	11 273	10	89	39	9 353	2 455	884	97	207	282	367
GRADERS AND SORTERS, EXCEPT AGRICULTURAL	1 451	2	5	7	560	430	326	-	4	30	28
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	76 568	715	2 508	7 304	13 095	6 818	4 307	31	53	844	684
TRANSPORTATION OCCUPATIONS	61 655	636	1 443	2 765	7 327	4 414	3 163	19	28	248	563
MOTOR VEHICLE OPERATORS	57 288	626	1 216	2 705	7 199	4 403	3 154	19	28	246	563
TRUCK DRIVERS	42 005	601	1 186	2 661	5 975	3 280	2 138	19	22	241	491
DRIVER-SALES WORKERS	3 314	19	3	4	1 036	992	934	-	-	-	58
RAIL AND WATER TRANSPORTATION OCCUPATIONS	4 367	10	227	60	128	11	9	-	-	2	-
MATERIAL MOVING EQUIPMENT OPERATORS	14 913	79	1 065	4 339	5 768	2 404	1 144	12	25	596	121
SUPERVISORS, MATERIAL MOVING EQUIPMENT OPERATORS	642	-	7	22	131	56	18	-	-	8	2
CRANE, HOIST, AND WINCH OPERATORS	1 511	2	178	362	601	,149	43	-	-	73	-
EXCAVATING, GRADING, AND DOZER MACHINE OPERATORS	1 579	13	254	1 139	46	7	7	-	-	-	-
OTHER MATERIAL MOVING EQUIPMENT OPERATORS	11 181	64	626	3 016	4 990	2 192	1 076	12	25	515	119
HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS	76 683	445	1 513	9 600	20 661	11 561	7 015	151	298	1 458	1 011
SUPERVISORS; HANDLERS, EQUIPMENT CLEANERS, AND LABORERS, N.E.C.	118	6	-	9	31	22	17	-	-	5	-
HELPERS, CRAFT AND PRODUCTION	3 394	6	828	656	933	441	156	1	-	60	164
CONSTRUCTION LABORERS	9 580	5	79	8 768	199	81	4	3	-	42	18
FREIGHT, STOCK, AND MATERIAL HANDLERS	23 281	116	126	101	4 033	2 237	1 576	33	59	189	143
GARAGE AND SERVICE STATION OCCUPATIONS, AND EQUIPMENT CLEANERS	9 068	19	27	47	579	312	251	2	-	15	12
HAND PACKERS AND PACKAGERS	8 415	68	3	19	4 915	3 122	1 935	38	114	329	252
LABORERS, EXCEPT CONSTRUCTION	22 827	225	450	-	9 971	5 346	3 076	74	125	818	422

TABLE 224. (B) OCCUPATION OF EMPLOYED PERSONS BY INDUSTRY: 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]

MINNESOTA

	MANUFACTURING - CON.											
	NONDURABLE GOODS-CON.		DURABLE GOODS									
	CHEMICALS AND ALLIED PRODUCTS	RUBBER AND MISCELLANEOUS PLASTICS PROD.	TOTAL	FURNITURE, LUMBER, AND WOOD PRODUCTS	STONE,CLAY GLASS,AND CONCRETE PRODUCTS	PRIMARY METAL INDUSTRIES	FABRICATED METAL IND. INCLUDING ORDNANCE	MACHINERY EXCEPT ELECTRICAL	ELECTRICAL MACHINERY, EQUIPMENT, AND SUPPLY	MOTOR VEHICLES AND MOTOR VEHICLE EQUIP	AIRCRAFT SPACE VEHICLES AND PARTS	OTHER TRANSPORTATION EQUIPMENT
EMPLOYED PERSONS 16 YEARS AND OVER	11 762	10 671	249 097	15 924	8 198	9 184	33 403	91 479	40 662	5 837	1 102	3 092
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS	2 999	1 327	49 461	1 496	1 108	1 068	4 992	21 851	8 901	854	234	518
EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS	1 930	1 096	29 302	1 321	940	849	2 994	11 939	4 914	704	101	382
OFFICIALS AND ADMINISTRATORS, PUBLIC ADMINISTRATION	-	-	-	-	-	-	-	-	-	-	-	-
FINANCIAL MANAGERS	87	91	1 148	35	32	66	121	547	170	21	-	15
ADMINISTRATORS, EDUCATION AND RELATED FIELDS	12	-	11	-	-	-	-	2	-	-	-	-
MANAGERS, MEDICINE AND HEALTH	-	-	-	-	-	-	-	-	-	-	-	-
OTHER SPECIFIED MANAGERS	311	104	4 310	154	104	80	384	1 585	980	185	22	51
MANAGERS AND ADMINISTRATORS, N.E.C.	1 147	718	17 060	902	639	521	1 864	6 767	2 576	388	43	239
SALARIED	1 141	704	16 542	777	620	519	1 779	6 642	2 570	351	43	231
SELF-EMPLOYED	6	14	518	125	19	2	85	125	6	37	-	8
MANAGEMENT RELATED OCCUPATIONS	373	183	6 773	230	165	182	625	3 038	1 188	110	36	77
ACCOUNTANTS AND AUDITORS	206	77	3 130	108	65	80	230	1 512	515	62	12	23
PERSONNEL, TRAINING, AND LABOR RELATIONS SPECIALISTS	48	49	1 305	32	51	47	150	529	252	19	12	12
BUYERS AND PURCHASING AGENTS	86	55	1 856	90	46	28	196	832	305	22	12	34
INSPECTORS AND COMPLIANCE OFFICERS	5	-	44	-	-	12	6	-	8	-	-	-
OTHER MANAGEMENT RELATED OCCUPATIONS	28	2	438	-	3	15	43	165	108	7	-	8
PROFESSIONAL SPECIALTY OCCUPATIONS	1 069	231	20 159	175	168	219	1 998	9 912	3 987	150	133	136
ENGINEERS, ARCHITECTS, AND SURVEYORS	410	164	12 930	91	77	170	1 523	5 918	2 788	109	129	92
ARCHITECTS	-	-	57	2	-	-	-	19	34	-	-	-
ENGINEERS	410	164	12 862	89	77	159	1 523	5 899	2 754	109	129	92
CIVIL ENGINEERS	2	7	152	-	15	5	38	59	24	-	-	-
ELECTRICAL AND ELECTRONIC ENGINEERS	5	12	3 865	2	-	23	266	1 797	1 248	5	24	3
INDUSTRIAL ENGINEERS	66	57	3 272	34	28	71	442	1 430	653	26	14	12
MECHANICAL ENGINEERS	31	23	2 778	6	23	18	373	1 778	271	72	15	37
OTHER ENGINEERS	306	65	2 795	47	11	42	404	835	558	6	76	40
SURVEYORS AND MAPPING SCIENTISTS	-	-	11	-	-	11	-	-	-	-	-	-
COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS	46	23	2 083	-	-	-	53	1 810	105	2	4	-
OPERATIONS AND SYSTEMS RESEARCHERS AND ANALYSTS	34	-	326	-	-	-	49	150	59	-	-	-
MATHEMATICAL SCIENTISTS	-	-	130	-	-	-	17	58	40	-	-	-
NATURAL SCIENTISTS	376	16	667	14	9	9	47	116	241	3	-	-
CHEMISTS, EXCEPT BIOCHEMISTS	328	16	462	5	9	9	45	56	190	-	-	-
HEALTH DIAGNOSING OCCUPATIONS	2	-	18	-	-	-	-	5	7	-	-	-
HEALTH ASSESSMENT AND TREATING OCCUPATIONS	6	-	173	5	9	8	37	38	32	-	-	-
REGISTERED NURSES	6	-	173	5	9	8	37	38	32	-	-	-
TEACHERS, EXCEPT POSTSECONDARY	6	-	256	-	11	7	-	147	52	-	-	3
SOCIAL SCIENTISTS AND URBAN PLANNERS	49	-	605	10	2	-	67	217	99	16	-	2
SOCIAL AND RECREATION WORKERS	-	-	17	-	-	-	2	-	10	-	-	-
LAWYERS AND JUDGES	47	-	137	-	-	-	-	70	37	-	-	-
WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES	75	28	2 637	55	60	25	196	1 274	465	20	-	39
OTHER PROFESSIONAL SPECIALTY OCCUPATIONS	18	-	180	-	-	-	7	109	52	-	-	-
TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS	3 839	1 685	57 868	1 932	1 297	1 226	6 461	24 809	10 233	1 114	258	514
TECHNICIANS AND RELATED SUPPORT OCCUPATIONS	717	203	16 001	255	194	225	1 244	9 081	2 762	125	99	63
HEALTH TECHNOLOGISTS AND TECHNICIANS	-	-	122	2	-	-	6	10	30	6	-	-
LICENSED PRACTICAL NURSES	-	-	5	2	-	-	-	-	3	-	-	-
OTHER HEALTH TECHNOLOGISTS AND TECHNICIANS	-	-	117	-	-	-	6	10	27	6	-	-
ENGINEERING AND SCIENCE TECHNICIANS	549	137	9 607	188	155	154	909	4 430	2 198	75	90	41
ELECTRICAL AND ELECTRONIC TECHNICIANS	3	5	4 640	2	8	6	207	2 453	1 384	8	29	6
INDUSTRIAL AND MECHANICAL ENGINEERING TECHNICIANS	6	7	311	30	6	-	31	161	45	-	5	-
DRAFTING AND SURVEYING TECHNICIANS	40	34	2 863	119	83	51	395	1 267	442	60	48	26
TECHNICIANS, EXCEPT HEALTH, ENGINEERING, AND SCIENCE	168	66	6 272	65	39	71	329	4 641	534	44	9	22

TABLE 224. (B) OCCUPATION OF EMPLOYED PERSONS BY INDUSTRY: 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]

MINNESOTA

	MANUFACTURING - CON.											
	NONDURABLE GOODS-CON.		DURABLE GOODS									
	CHEMICALS AND ALLIED PRODUCTS	RUBBER AND MISCELLANEOUS PLASTICS PROD.	TOTAL	FURNITURE, LUMBER, AND WOOD PRODUCTS	STONE,CLAY GLASS,AND CONCRETE PRODUCTS	PRIMARY METAL INDUSTRIES	FABRICATED METAL IND. INCLUDING ORDNANCE	MACHINERY EXCEPT ELECTRICAL	ELECTRICAL MACHINERY, EQUIPMENT, AND SUPPLY	MOTOR VEHICLES AND MOTOR VEHICLE EQUIP	AIRCRAFT AND SPACE VEHICLES AND PARTS	OTHER TRANSPORTATION EQUIPMENT
COMPUTER PROGRAMMERS	72	31	4 193	21	9	12	163	3 599	194	15	7	10
OTHER TECHNICIANS, EXCEPT HEALTH, ENGINEERING, AND SCIENCE	96	35	2 079	44	30	59	166	1 042	340	29	2	12
SALES OCCUPATIONS	1 088	310	6 909	425	286	214	660	2 181	979	307	19	82
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS	20	10	565	36	37	-	35	202	90	31	6	14
SELF-EMPLOYED	-	6	59	7	22	-	14	5	-	-	-	-
SALES REPRESENTATIVES, FINANCE AND BUSINESS SERVICES	5	7	89	5	-	-	16	20	13	-	-	-
SALES REPRESENTATIVES, COMMODITIES, EXC. RETAIL	1 045	283	5 894	357	243	201	588	1 861	816	193	12	62
SALES WORKERS, RETAIL AND PERSONAL SERVICES	18	6	308	21	-	13	14	81	53	83	1	6
CASHIERS	18	-	61	6	-	-	8	21	4	5	-	-
SALES RELATED OCCUPATIONS	-	4	53	6	6	-	7	17	7	-	-	-
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL	2 034	1 172	34 958	1 252	817	787	4 557	13 547	6 492	682	140	369
SUPERVISORS, ADMINISTRATIVE SUPPORT OCCUPATIONS	120	71	1 842	70	58	37	174	615	448	60	6	13
COMPUTER EQUIPMENT OPERATORS	40	15	1 625	54	13	21	157	893	216	46	-	25
SECRETARIES, STENOGRAPHERS, & TYPISTS	593	309	9 483	361	177	180	1 041	3 774	1 798	115	36	94
SECRETARIES	522	287	8 555	313	161	159	908	3 393	1 691	107	29	92
RECEPTIONISTS	58	21	594	7	43	9	88	244	61	7	-	11
OTHER INFORMATION CLERKS	23	-	156	14	-	13	28	35	18	-	-	2
FILE CLERKS	26	30	659	9	24	33	79	174	173	2	-	6
OTHER RECORDS PROCESSING OCCUPATIONS, EXCEPT FINANCIAL	49	52	951	45	25	15	122	359	180	9	-	6
BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS	235	150	3 260	185	182	93	355	1 269	523	53	20	50
PAYROLL AND TIMEKEEPING CLERKS	23	23	386	21	8	18	74	104	91	-	-	2
OTHER FINANCIAL RECORDS PROCESSING OCCUPATIONS	49	23	384	15	10	-	74	132	64	-	2	-
TELEPHONE OPERATORS	6	19	162	7	6	15	12	47	11	13	-	-
MAIL AND MESSAGE DISTRIBUTING OCCUPATIONS	45	14	365	9	10	13	19	147	75	5	5	6
PRODUCTION COORDINATORS AND EXPEDITERS	77	63	2 743	53	20	44	484	1 123	575	59	33	24
TRAFFIC, SHIPPING AND RECEIVING CLERKS	190	123	2 880	121	50	128	584	1 012	366	115	2	40
STOCK AND INVENTORY CLERKS	108	62	2 888	75	36	42	388	1 195	509	79	26	43
OTHER MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING CLERKS	16	36	216	11	29	-	14	65	53	5	-	1
DATA-ENTRY KEYERS	97	28	1 374	26	21	37	158	574	358	30	-	-
OTHER ADMINISTRATIVE SUPPORT OCCUPATIONS	279	133	4 990	169	105	89	706	1 785	973	84	10	46
SERVICE OCCUPATIONS	290	194	4 630	310	156	305	769	1 179	845	116	16	131
PRIVATE HOUSEHOLD OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-
PROTECTIVE SERVICE OCCUPATIONS	66	13	718	38	31	28	120	177	182	11	2	47
GUARDS	66	13	653	38	31	28	83	164	167	11	2	47
OTHER PROTECTIVE SERVICE OCCUPATIONS	-	-	65	-	-	-	37	13	15	-	-	-
SERVICE OCCUPATIONS, EXC. PROTECTIVE AND HOUSEHOLD	224	181	3 912	272	125	277	649	1 002	663	105	14	84
FOOD PREPARATION AND SERVICE OCCUPATIONS	16	-	265	14	-	6	11	58	84	-	-	3
HEALTH SERVICE OCCUPATIONS	4	-	27	-	-	7	6	5	2	-	-	2
CLEANING AND BUILDING SERVICE OCCUPATIONS, EXC. HOUSEHOLD	190	174	3 544	242	125	251	632	917	570	105	14	79
PERSONAL SERVICE OCCUPATIONS	14	7	76	16	-	13	-	22	7	-	-	-
FARMING, FORESTRY, AND FISHING OCCUPATIONS	2	2	1 634	1 464	6	22	19	55	30	-	-	2
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS	1 098	1 736	41 739	3 327	1 516	1 799	6 342	15 540	5 813	1 041	232	710
MECHANICS AND REPAIRERS	347	421	7 372	348	357	392	954	2 902	1 092	318	33	153
SUPERVISORS, MECHANICS AND REPAIRERS	2	-	160	5	25	28	20	47	9	-	-	-
AUTOMOBILE MECHANICS, INCLUDING BODY	23	15	579	9	79	44	55	162	29	134	-	26
INDUSTRIAL MACHINERY REPAIRERS	203	308	2 254	149	144	133	481	673	341	32	-	37
ELECTRONIC REPAIRERS, COMMUNICATIONS AND INDUSTRIAL EQUIPMENT	6	2	202	-	-	15	15	22	100	14	-	-
HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS	2	-	242	-	-	5	27	147	35	-	-	-
OTHER MECHANICS AND REPAIRERS	111	96	3 935	185	109	167	356	1 851	578	138	33	90
CONSTRUCTION TRADES	61	39	3 753	817	234	167	619	721	479	110	12	276
SUPERVISORS, CONSTRUCTION OCCUPATIONS	-	3	164	37	13	-	12	33	22	-	-	31
CARPENTERS	12	1	890	496	17	6	51	58	37	6	-	159
ELECTRICIANS	14	16	884	69	27	76	92	220	260	35	-	24
PAINTERS, CONSTRUCTION AND MAINTENANCE	24	5	630	88	20	15	83	216	52	45	3	24
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	7	7	434	54	11	12	98	87	77	15	3	27
OTHER CONSTRUCTION TRADES	4	7	751	73	146	58	283	107	31	9	6	11

TABLE 224. (B) OCCUPATION OF EMPLOYED PERSONS BY INDUSTRY: 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]

MINNESOTA

	MANUFACTURING - CON.											
	NONDURABLE GOODS-CON.		DURABLE GOODS									
	CHEMICALS AND ALLIED PRODUCTS	RUBBER AND MISCELLANEOUS PLASTICS PROD.	TOTAL	FURNITURE, LUMBER, AND WOOD PRODUCTS	STONE,CLAY GLASS,AND CONCRETE PRODUCTS	PRIMARY METAL INDUSTRIES	FABRICATED METAL IND. INCLUDING ORDNANCE	MACHINERY EXCEPT ELECTRICAL	ELECTRICAL MACHINERY, EQUIPMENT, AND SUPPLY	MOTOR VEHICLES AND MOTOR VEHICLE EQUIP	AIRCRAFT SPACE VEHICLES AND PARTS	OTHER TRANSPORTATION EQUIPMENT
EXTRACTIVE OCCUPATIONS. . . .	10	-	56	4	6	22	4	18	2	-	-	-
PRECISION PRODUCTION OCCUPATIONS.	680	1 276	30 558	2 158	919	1 218	4 765	11 899	4 240	613	187	281
SUPERVISORS, PRODUCTION OCCUPATIONS.	501	694	11 688	902	492	659	1 916	3 486	1 867	371	43	153
PRECISION METALWORKING OCCUPATIONS.	92	486	11 676	137	93	314	2 507	6 071	903	199	120	86
TOOL AND DIE MAKERS. . . .	28	181	2 772	17	2	106	768	1 290	264	13	28	11
MACHINISTS	58	279	6 834	90	81	143	1 099	4 134	469	157	62	31
SHEET METALWORKERS	3	2	1 061	12	2	29	523	268	138	14	20	-
OTHER PRECISION METALWORKERS	3	24	1 009	18	8	36	117	379	32	15	10	44
PRECISION TEXTILE, APPAREL, AND FURNISHINGS MACHINE WORKERS.	7	21	212	49	1	2	21	5	7	14	3	23
PRECISION FOOD PRODUCTION OCCUPATIONS.	10	6	87	8	2	-	5	64	5	-	-	-
PRECISION INSPECTORS, TESTERS, AND RELATED WORKERS.	2	5	709	1	3	-	80	248	280	-	21	4
PLANT AND SYSTEM OPERATORS.	55	39	668	31	22	50	72	254	70	11	-	9
OTHER PRECISION PRODUCTION OCCUPATIONS.	13	25	5 518	1 030	306	193	164	1 771	1 108	18	-	6
OPERATORS, FABRICATORS, AND LABORERS.	3 534	5 727	93 765	7 395	4 115	4 764	14 820	28 045	14 840	2 712	362	1 217
MACHINE OPERATORS, ASSEMBLERS, & INSPECTORS . .	2 423	4 815	78 388	5 383	2 190	3 416	12 593	24 949	13 072	2 358	337	899
MACHINE OPERATORS AND TENDERS, EXC. PRECISION . .	1 728	3 506	34 804	3 313	1 355	2 645	7 057	9 911	4 534	604	150	337
METALWORKING AND PLASTIC WORKING MACHINE OPERATORS.	44	133	10 004	257	163	551	2 595	4 221	1 067	235	63	67
FABRICATING MACHINE OPERATORS, N.E.C..	-	-	266	3	-	-	85	73	37	18	7	13
METAL AND PLASTIC PROCESSING AND WOODWORKING MACHINE OPERATORS.	246	1 192	4 804	1 559	108	617	833	688	437	4	7	45
PRINTING MACHINE OPERATORS.	39	31	494	7	16	10	72	139	126	-	-	7
TEXTILE MACHINE OPERATORS.	8	40	153	19	24	7	19	31	23	-	-	12
TEXTILE SEWING MACHINE OPERATORS.	22	37	525	89	2	-	22	7	14	4	-	31
LAUNDERING AND DRYCLEANING MACHINE OPERATORS.	-	-	-	-	-	-	-	-	-	-	-	-
PACKAGING AND FILLING MACHINE OPERATORS.	61	26	215	11	33	8	27	50	37	-	-	-
FURNACE, KILN, AND OVEN OPERATORS, EXCEPT FOOD . .	51	15	770	35	38	381	81	144	43	-	-	10
OTHER SPECIFIED MACHINE OPERATORS.	410	566	4 383	368	504	353	741	986	603	126	6	45
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS.	847	1 466	13 190	965	467	718	2 582	3 572	2 147	217	67	107
FABRICATORS, ASSEMBLERS, AND HAND WORKING OCCUPATIONS	567	890	36 686	1 816	654	568	4 708	12 481	7 108	1 610	147	514
WELDERS AND CUTTERS	41	48	8 765	278	172	382	2 086	3 659	871	454	51	213
ASSEMBLERS.	522	789	26 594	1 515	356	176	2 517	8 452	5 926	1 138	96	282
HAND WORKING OCCUPATIONS. .	4	49	483	23	126	6	34	78	39	18	-	11
PRODUCTION INSPECTORS, TESTERS, SAMPLERS, AND WEIGHERS.	128	419	6 898	254	181	203	828	2 557	1 430	144	40	48
GRADERS AND SORTERS, EXCEPT AGRICULTURAL. . . .	6	31	130	59	25	-	9	11	8	-	-	-
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	472	249	6 277	962	1 027	606	864	1 275	538	178	8	128
TRANSPORTATION OCCUPATIONS.	279	56	2 913	527	715	249	269	470	188	94	7	82
MOTOR VEHICLE OPERATORS. . .	279	56	2 796	526	715	172	266	449	188	86	7	75
TRUCK DRIVERS	263	56	2 695	526	708	171	250	426	172	64	7	73
DRIVER-SALES WORKERS. . . .	-	-	44	-	-	1	7	21	11	2	-	2
RAIL AND WATER TRANSPORTATION OCCUPATIONS	-	-	117	1	-	77	3	21	-	8	-	7
MATERIAL MOVING EQUIPMENT OPERATORS.	193	193	3 364	435	312	357	595	805	350	84	1	46
SUPERVISORS, MATERIAL MOVING EQUIPMENT OPERATORS	10	10	75	7	-	6	-	30	12	6	-	-
CRANE, HOIST, AND WINCH OPERATORS	18	3	452	18	47	165	139	35	24	5	1	12
EXCAVATING, GRADING, AND DOZER MACHINE OPERATORS . .	-	-	39	14	2	11	-	12	-	-	-	-
OTHER MATERIAL MOVING EQUIPMENT OPERATORS	165	180	2 798	396	263	175	456	728	314	73	-	34
HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS.	639	663	9 100	1 050	898	742	1 363	1 821	1 230	176	17	190
SUPERVISORS; HANDLERS, EQUIPMENT CLEANERS, AND LABORERS, N.E.C.	-	-	9	-	-	-	6	-	3	-	-	-
HELPERS, CRAFT AND PRODUCTION	8	39	492	39	18	52	104	124	69	21	-	14
CONSTRUCTION LABORERS	11	3	118	17	55	11	11	7	4	-	-	3
FREIGHT, STOCK, AND MATERIAL HANDLERS.	102	94	1 796	295	172	104	269	312	329	62	16	29
GARAGE AND SERVICE STATION OCCUPATIONS, AND EQUIPMENT CLEANERS	14	11	267	16	8	37	45	67	23	2	1	2
HAND PACKERS AND PACKAGERS.	213	196	1 793	140	140	36	183	359	366	32	-	4
LABORERS, EXCEPT CONSTRUCTION	291	320	4 625	543	505	502	745	952	436	59	-	138

TABLE 224. (C) OCCUPATION OF EMPLOYED PERSONS BY INDUSTRY: 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]

MINNESOTA

	TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES						RETAIL TRADE						
	TOTAL	TRUCKING SERVICE AND WARE-HOUSING	OTHER TRANSPOR-TATION	COMMUNI-CATIONS	UTILITIES AND SANITARY SERVICES	WHOLESALE TRADE	TOTAL	GENERAL MERCHAN-DISE STORES	FOOD, BAKERY, AND DAIRY STORES	AUTOMOTIVE DEALERS AND GAS STATIONS	EATING AND DRINKING PLACES	INSURANCE	FINANCE AND REAL ESTATE
EMPLOYED PERSONS 16 YEARS AND OVER.	129 111	31 885	55 450	20 368	21 408	92 232	321 167	41 801	45 175	37 771	88 608	39 720	67 949
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS	16 129	2 201	6 015	4 358	3 555	17 255	39 651	5 146	3 076	3 611	10 078	6 661	18 039
EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS.	11 306	2 142	4 947	1 969	2 248	15 496	33 668	4 398	2 872	3 584	9 702	5 258	17 090
OFFICIALS AND ADMINISTRATORS, PUBLIC ADMINISTRATION.	23	1	22	-	-	-	-	-	-	-	-	-	2
FINANCIAL MANAGERS	273	74	82	46	71	724	647	118	15	137	30	148	2 349
ADMINISTRATORS, EDUCATION AND RELATED FIELDS. . . .	2	-	-	2	-	13	-	-	-	-	-	-	7
MANAGERS, MEDICINE AND HEALTH.	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER SPECIFIED MANAGERS .	1 610	141	1 102	232	135	2 986	5 040	1 100	348	840	211	899	3 195
MANAGERS AND ADMINISTRATORS, N.E.C.. .	7 121	1 652	2 688	1 358	1 423	8 343	23 290	1 743	2 154	2 304	8 967	2 546	4 659
SALARIED.	6 760	1 421	2 598	1 346	1 395	7 837	19 461	1 684	1 810	2 085	7 114	2 498	4 512
SELF-EMPLOYED	361	231	90	12	28	506	3 829	59	344	219	1 853	48	147
MANAGEMENT RELATED OCCUPATIONS	2 277	274	1 053	331	619	3 430	4 691	1 437	355	303	494	1 665	6 878
ACCOUNTANTS AND AUDITORS.	1 054	133	547	77	297	1 168	1 452	300	140	190	135	773	1 623
PERSONNEL, TRAINING, AND LABOR RELATIONS SPECIALISTS.	736	88	263	226	159	279	799	205	60	60	272	237	424
BUYERS AND PURCHASING AGENTS	130	31	36	8	55	1 781	2 284	910	155	52	66	42	43
INSPECTORS AND COMPLIANCE OFFICERS	169	3	128	-	38	12	7	-	-	-	-	96	59
OTHER MANAGEMENT RELATED OCCUPATIONS.	188	19	79	20	70	190	149	22	-	1	21	517	4 729
PROFESSIONAL SPECIALTY OCCUPATIONS	4 823	59	1 068	2 389	1 307	1 759	5 983	748	204	27	376	1 403	949
ENGINEERS, ARCHITECTS, AND SURVEYORS	1 842	7	360	633	842	528	246	44	67	-	18	161	107
ARCHITECTS.	12	-	6	6	-	9	51	6	13	-	11	5	49
ENGINEERS	1 828	7	352	627	842	519	195	38	54	-	7	156	49
CIVIL ENGINEERS.	281	-	147	16	118	15	51	7	18	-	7	23	-
ELECTRICAL AND ELECTRONIC ENGINEERS. .	1 017	-	10	515	492	76	5	-	-	-	-	2	-
INDUSTRIAL ENGINEERS . .	161	7	39	40	75	125	93	30	17	-	-	104	2
MECHANICAL ENGINEERS . .	79	-	37	4	38	56	6	1	5	-	-	2	12
OTHER ENGINEERS.	290	-	119	52	119	247	40	-	14	-	-	25	35
SURVEYORS AND MAPPING SCIENTISTS	2	-	2	-	-	-	-	-	-	-	-	-	9
COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS.	207	-	149	16	42	224	192	46	-	-	-	209	97
OPERATIONS AND SYSTEMS RESEARCHERS AND ANALYSTS.	79	9	51	-	19	80	60	6	15	-	-	68	108
MATHEMATICAL SCIENTISTS. .	47	-	14	19	14	26	24	2	-	-	-	218	29
NATURAL SCIENTISTS	114	-	18	19	77	150	39	-	5	2	-	6	9
CHEMISTS, EXCEPT BIOCHEMISTS.	49	-	4	7	38	61	-	-	-	-	-	-	-
HEALTH DIAGNOSING OCCUPATIONS	2	-	-	-	2	6	94	-	-	2	6	48	-
HEALTH ASSESSMENT AND TREATING OCCUPATIONS. . .	132	-	121	8	3	19	1 851	93	15	-	23	149	14
REGISTERED NURSES	30	-	25	2	3	17	36	13	-	-	5	143	8
TEACHERS, EXCEPT POSTSECONDARY	142	-	85	32	25	66	380	19	21	-	14	16	25
SOCIAL SCIENTISTS AND URBAN PLANNERS.	125	-	23	46	56	183	117	6	21	-	23	79	177
SOCIAL AND RECREATION WORKERS	9	9	-	-	-	6	7	-	-	-	-	-	39
LAWYERS AND JUDGES	111	-	73	5	33	43	26	-	7	-	-	222	196
WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES.	1 983	28	166	1 602	187	401	2 892	520	53	14	292	162	114
OTHER PROFESSIONAL SPECIALTY OCCUPATIONS . .	30	6	8	9	7	27	55	12	-	9	-	65	34
TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS	43 584	5 089	22 772	10 288	5 435	43 873	141 681	29 933	22 142	16 183	5 471	32 201	44 357
TECHNICIANS AND RELATED SUPPORT OCCUPATIONS	4 070	34	2 155	980	901	1 312	852	154	97	57	28	801	669
HEALTH TECHNOLOGISTS AND TECHNICIANS	108	-	99	-	9	14	29	3	-	-	-	13	17
LICENSED PRACTICAL NURSES	8	-	8	-	-	5	10	3	-	-	-	-	3
OTHER HEALTH TECHNOLOGISTS AND TECHNICIANS.	100	-	91	-	9	9	19	-	-	-	-	13	14
ENGINEERING AND SCIENCE TECHNICIANS	1 146	5	221	335	585	700	284	35	13	18	8	98	57
ELECTRICAL AND ELECTRONIC TECHNICIANS.	473	-	117	216	140	267	127	19	6	14	5	37	8
INDUSTRIAL AND MECHANICAL ENGINEERING TECHNICIANS.	19	5	8	-	6	-	-	-	-	-	-	-	-
DRAFTING AND SURVEYING TECHNICIANS.	392	-	67	68	257	154	91	10	-	4	3	20	37
TECHNICIANS, EXCEPT HEALTH, ENGINEERING, AND SCIENCE	2 816	29	1 835	645	307	598	539	116	84	39	20	690	595

TABLE 224. (C) OCCUPATION OF EMPLOYED PERSONS BY INDUSTRY: 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]

MINNESOTA

	TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES						RETAIL TRADE						
	TOTAL	TRUCKING SERVICE AND WARE-HOUSING	OTHER TRANSPOR-TATION	COMMUNI-CATIONS	UTILITIES AND SANITARY SERVICES	WHOLESALE TRADE	TOTAL	GENERAL MERCHAN-DISE STORES	FOOD, BAKERY, AND DAIRY STORES	AUTOMOTIVE DEALERS AND GAS STATIONS	EATING AND DRINKING PLACES	INSURANCE	FINANCE AND REAL ESTATE
COMPUTER PROGRAMMERS. . .	382	22	183	22	155	373	375	95	70	7	7	510	325
OTHER TECHNICIANS, EXCEPT HEALTH, ENGINEERING, AND SCIENCE.	2 434	7	1 652	623	152	225	164	21	14	32	13	180	270
SALES OCCUPATIONS.	3 823	487	1 757	1 161	418	22 150	107 911	21 461	19 262	11 803	4 001	12 358	14 480
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS	168	34	59	39	36	2 724	19 464	2 453	4 437	3 595	443	216	343
SELF-EMPLOYED	20	12	8	-	-	654	5 586	162	1 050	1 338	128	8	54
SALES REPRESENTATIVES, FINANCE AND BUSINESS SERVICES.	3 131	344	1 573	1 007	207	73	102	25	-	4	9	12 045	13 367
SALES REPRESENTATIVES, COMMODITIES, EXC. RETAIL.	14	-	-	7	7	17 167	34	-	-	8	-	2	-
SALES WORKERS, RETAIL AND PERSONAL SERVICES . .	508	109	123	108	168	2 111	87 926	18 851	14 747	8 185	3 543	91	757
CASHIERS.	394	75	99	57	163	335	24 546	3 515	12 602	1 446	2 844	72	539
SALES RELATED OCCUPATIONS.	2	-	2	-	-	75	385	132	78	11	6	4	13
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL.	35 691	4 568	18 860	8 147	4 116	20 411	32 918	8 318	2 783	4 323	1 442	19 042	29 208
SUPERVISORS, ADMINISTRATIVE SUPPORT OCCUPATIONS	2 470	173	947	1 100	250	946	1 297	373	86	115	39	1 169	1 295
COMPUTER EQUIPMENT OPERATORS	617	79	326	111	101	751	486	144	52	71	11	270	514
SECRETARIES, STENOGRAPHERS, & TYPISTS.	3 676	751	1 167	888	870	4 283	4 604	810	231	758	211	6 212	5 995
SECRETARIES	2 708	655	794	538	721	3 874	3 956	690	203	708	200	4 484	5 411
RECEPTIONISTS.	302	24	104	122	52	441	771	140	11	138	40	203	726
OTHER INFORMATION CLERKS .	1 921	30	1 511	327	53	203	481	295	-	31	21	64	485
FILE CLERKS.	144	11	65	25	43	224	234	45	29	27	8	700	370
OTHER RECORDS PROCESSING OCCUPATIONS, EXCEPT FINANCIAL	1 580	54	114	1 048	364	1 049	1 750	598	124	61	60	1 023	327
BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS . . .	2 287	858	661	369	399	4 575	9 683	1 067	932	2 061	643	1 105	4 404
PAYROLL AND TIMEKEEPING CLERKS.	458	76	290	57	35	70	299	111	48	24	26	72	107
OTHER FINANCIAL RECORDS PROCESSING OCCUPATIONS. .	766	310	255	40	161	428	661	246	35	50	37	825	722
TELEPHONE OPERATORS. . . .	1 794	12	40	1 697	45	93	293	167	5	20	14	40	139
MAIL AND MESSAGE DISTRIBUTING OCCUPATIONS.	10 177	289	9 761	102	25	190	493	79	27	2	20	235	369
PRODUCTION COORDINATORS AND EXPEDITERS.	512	60	220	129	103	297	964	355	74	63	30	195	141
TRAFFIC, SHIPPING AND RECEIVING CLERKS.	907	384	470	42	11	1 586	1 505	597	85	102	18	32	47
STOCK AND INVENTORY CLERKS	564	116	290	67	91	1 494	2 458	789	584	183	9	44	135
OTHER MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING CLERKS . . .	1 687	482	366	103	736	361	554	255	31	53	23	28	10
DATA-ENTRY KEYERS.	678	139	338	111	90	777	956	323	70	72	24	608	628
OTHER ADMINISTRATIVE SUPPORT OCCUPATIONS . . .	5 151	720	1 935	1 809	687	2 643	5 429	1 924	359	492	208	6 217	12 794
SERVICE OCCUPATIONS.	5 719	293	4 243	285	898	1 297	79 400	2 553	2 046	357	71 899	420	3 818
PRIVATE HOUSEHOLD OCCUPATIONS	-	-	-	-	-	-	-	-	-	-	-	-	-
PROTECTIVE SERVICE OCCUPATIONS	510	81	301	14	114	103	599	368	51	-	124	67	414
GUARDS.	456	81	255	14	106	98	579	356	51	-	124	52	404
OTHER PROTECTIVE SERVICE OCCUPATIONS.	54	-	46	-	8	5	20	12	-	-	-	15	10
SERVICE OCCUPATIONS, EXC. PROTECTIVE AND HOUSEHOLD. .	5 209	212	3 942	271	784	1 194	78 801	2 185	1 995	357	71 775	353	3 404
FOOD PREPARATION AND SERVICE OCCUPATIONS . . .	269	8	182	52	27	318	73 501	1 008	1 290	51	69 766	86	162
HEALTH SERVICE OCCUPATIONS	59	-	53	-	6	3	232	26	-	2	24	27	33
CLEANING AND BUILDING SERVICE OCCUPATIONS, EXC. HOUSEHOLD	1 919	194	762	219	744	840	4 343	937	668	302	1 557	219	3 137
PERSONAL SERVICE OCCUPATIONS	2 962	10	2 945	-	7	33	725	214	37	2	428	21	72
FARMING, FORESTRY, AND FISHING OCCUPATIONS	87	5	46	6	30	109	223	-	16	4	-	-	330
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS. . . .	21 873	2 519	6 758	5 003	7 593	10 292	25 100	1 569	5 054	9 205	362	143	758
MECHANICS AND REPAIRERS . . .	12 697	1 641	4 749	4 697	1 610	5 361	12 673	718	138	8 774	43	21	210
SUPERVISORS, MECHANICS AND REPAIRERS	698	63	312	157	166	132	688	34	12	554	15	-	19
AUTOMOBILE MECHANICS, INCLUDING BODY.	1 012	480	345	19	168	817	8 320	423	43	7 593	10	-	20
INDUSTRIAL MACHINERY REPAIRERS	258	33	86	17	122	521	190	9	26	42	-	-	48
ELECTRONIC REPAIRERS, COMMUNICATIONS AND INDUSTRIAL EQUIPMENT. . . .	403	-	147	143	113	148	684	54	-	13	-	5	15
HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS . .	86	18	5	6	57	298	98	4	8	2	2	6	31
OTHER MECHANICS AND REPAIRERS	10 240	1 047	3 854	4 355	984	3 445	2 693	194	49	570	16	10	77
CONSTRUCTION TRADES	4 223	44	854	148	3 177	1 148	2 369	100	26	67	74	16	358
SUPERVISORS, CONSTRUCTION OCCUPATIONS	631	2	76	106	447	78	97	31	1	30	4	7	84
CARPENTERS	191	15	154	-	22	107	535	32	13	16	55	9	101
ELECTRICIANS	693	-	202	7	484	149	151	3	8	8	4	-	-
PAINTERS, CONSTRUCTION AND MAINTENANCE	112	10	68	-	34	45	108	17	2	2	3	-	119
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS.	438	13	94	-	331	494	113	3	2	5	2	-	32
OTHER CONSTRUCTION TRADES. .	2 158	4	260	35	1 859	275	1 365	14	-	6	6	-	22

TABLE 224. (C) OCCUPATION OF EMPLOYED PERSONS BY INDUSTRY: 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]

MINNESOTA

	TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES						RETAIL TRADE						
	TOTAL	TRUCKING SERVICE AND WAREHOUSING	OTHER TRANSPORTATION	COMMUNICATIONS	UTILITIES AND SANITARY SERVICES	WHOLESALE TRADE	TOTAL	GENERAL MERCHANDISE STORES	FOOD, BAKERY, AND DAIRY STORES	AUTOMOTIVE DEALERS AND GAS STATIONS	EATING AND DRINKING PLACES	INSURANCE	FINANCE AND REAL ESTATE
EXTRACTIVE OCCUPATIONS	11	-	5	-	6	-	-	-	-	-	-	-	-
PRECISION PRODUCTION OCCUPATIONS	4 942	834	1 150	158	2 800	3 783	10 058	751	4 890	364	245	106	190
SUPERVISORS, PRODUCTION OCCUPATIONS	2 006	501	311	87	1 107	2 182	2 284	474	333	214	88	86	75
PRECISION METALWORKING OCCUPATIONS	621	15	497	8	101	442	363	6	15	76	-	-	4
TOOL AND DIE MAKERS	7	-	5	-	2	68	3	-	-	-	-	-	-
MACHINISTS	496	10	397	8	81	196	108	-	15	71	-	-	4
SHEET METALWORKERS	77	-	75	-	2	128	12	-	-	-	-	-	-
OTHER PRECISION METALWORKERS	41	5	20	-	16	50	240	6	-	5	-	-	-
PRECISION TEXTILE, APPAREL, AND FURNISHINGS MACHINE WORKERS	17	5	12	-	-	127	1 479	239	19	-	-	-	-
PRECISION FOOD PRODUCTION OCCUPATIONS	297	289	-	3	5	642	4 714	16	4 488	8	155	-	-
PRECISION INSPECTORS, TESTERS, AND RELATED WORKERS	327	7	231	14	75	14	65	5	-	60	-	3	-
PLANT AND SYSTEM OPERATORS	1 646	12	88	46	1 500	58	42	11	-	-	2	10	111
OTHER PRECISION PRODUCTION OCCUPATIONS	28	5	11	-	12	318	1 111	-	35	6	-	7	-
OPERATORS, FABRICATORS, AND LABORERS	41 719	21 778	15 616	428	3 897	19 406	35 112	2 600	12 841	8 411	798	295	647
MACHINE OPERATORS, ASSEMBLERS, & INSPECTORS	2 776	295	1 227	175	1 079	4 545	3 219	139	404	368	104	237	246
MACHINE OPERATORS AND TENDERS, EXC. PRECISION	1 441	122	570	56	693	2 512	1 844	53	208	229	85	205	197
METALWORKING AND PLASTIC WORKING MACHINE OPERATORS	84	5	62	-	17	162	79	-	-	1	-	-	6
FABRICATING MACHINE OPERATORS, N.E.C.	2	-	-	2	-	5	-	-	-	-	-	-	-
METAL AND PLASTIC PROCESSING AND WOODWORKING MACHINE OPERATORS	18	7	5	-	6	115	121	2	-	-	-	13	17
PRINTING MACHINE OPERATORS	95	7	22	21	45	131	141	10	19	-	-	133	29
TEXTILE MACHINE OPERATORS	2	-	1	-	1	10	5	-	-	-	-	-	-
TEXTILE SEWING MACHINE OPERATORS	-	-	-	-	-	36	69	5	-	-	-	-	-
LAUNDERING AND DRYCLEANING MACHINE OPERATORS	-	-	-	-	-	2	42	-	-	-	26	-	14
PACKAGING AND FILLING MACHINE OPERATORS	15	7	-	-	8	124	58	-	24	-	-	-	-
FURNACE, KILN, AND OVEN OPERATORS, EXCEPT FOOD	283	7	47	6	223	85	26	-	10	-	8	-	26
OTHER SPECIFIED MACHINE OPERATORS	130	42	20	18	50	634	561	19	53	190	2	25	21
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS	812	47	413	9	343	1 208	742	17	102	38	49	34	84
FABRICATORS, ASSEMBLERS, AND HAND WORKING OCCUPATIONS	975	76	511	105	283	1 448	1 076	58	122	126	19	18	37
WELDERS AND CUTTERS	741	66	414	8	253	412	94	3	3	29	-	6	19
ASSEMBLERS	202	10	70	92	30	932	788	27	48	97	14	5	7
HAND WORKING OCCUPATIONS	32	-	27	5	-	76	194	28	71	-	5	7	11
PRODUCTION INSPECTORS, TESTERS, SAMPLERS, AND WEIGHERS	360	97	146	14	103	585	299	28	74	13	-	14	12
GRADERS AND SORTERS, EXCEPT AGRICULTURAL	56	49	7	-	-	444	172	18	66	-	-	-	-
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	31 411	18 257	11 928	111	1 115	7 755	7 011	220	968	1 074	482	17	202
TRANSPORTATION OCCUPATIONS	30 132	17 837	11 389	91	815	6 672	6 242	118	869	990	474	15	169
MOTOR VEHICLE OPERATORS	26 312	17 799	7 636	72	805	6 661	6 228	118	869	980	474	15	151
TRUCK DRIVERS	18 826	17 327	651	72	776	5 511	5 162	103	623	910	367	-	57
DRIVER-SALES WORKERS	135	105	26	-	4	1 017	882	-	226	9	65	-	-
RAIL AND WATER TRANSPORTATION OCCUPATIONS	3 820	38	3 753	19	10	11	14	-	-	10	-	-	18
MATERIAL MOVING EQUIPMENT OPERATORS	1 279	420	539	20	300	1 083	769	102	99	84	8	2	33
SUPERVISORS, MATERIAL MOVING EQUIPMENT OPERATORS	240	40	166	-	34	70	165	5	2	13	-	-	-
CRANE, HOIST, AND WINCH OPERATORS	111	2	90	-	19	210	20	-	7	4	-	-	-
EXCAVATING, GRADING, AND DOZER MACHINE OPERATORS	72	12	6	4	50	16	8	6	-	-	-	-	9
OTHER MATERIAL MOVING EQUIPMENT OPERATORS	856	366	277	16	197	787	576	91	90	67	8	2	24
HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS	7 532	3 226	2 461	142	1 703	7 106	24 882	2 241	11 469	6 969	212	41	199
SUPERVISORS; HANDLERS, EQUIPMENT CLEANERS, AND LABORERS, N.E.C.	28	7	21	-	-	18	-	-	-	-	-	8	-
HELPERS, CRAFT AND PRODUCTION	166	17	78	-	71	82	400	-	299	56	3	-	6
CONSTRUCTION LABORERS	295	13	60	14	208	46	34	2	-	-	2	-	21
FREIGHT, STOCK, AND MATERIAL HANDLERS	3 572	2 265	678	28	601	1 663	13 215	1 611	9 602	123	88	20	19
GARAGE AND SERVICE STATION OCCUPATIONS, AND EQUIPMENT CLEANERS	380	123	221	-	36	161	6 796	67	119	6 520	11	-	7
HAND PACKERS AND PACKAGERS	246	125	105	16	-	990	1 640	219	1 028	14	52	6	-
LABORERS, EXCEPT CONSTRUCTION	2 845	676	1 298	84	787	4 146	2 797	342	421	256	56	7	146

TABLE 224. (D) OCCUPATION OF EMPLOYED PERSONS BY INDUSTRY: 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]

MINNESOTA	BUSINESS SERVICES	REPAIR SERVICES	HOTELS AND LODGING PLACES	OTHER PERSONAL SERVICES, INCL PRV. HOUSEHOLD	ENTERTAINMENT/RECREATION SERVICES	PROFESSIONAL AND RELATED SERVICES: TOTAL	HOSPITALS	HEALTH SERVICES EXCEPT HOSPITALS	EDUCATIONAL SERVICES GOVRNMENT	EDUCATIONAL SERVICES PRIVATE	SOC. SERVICE RELIGIOUS AND MEMBERSHIP ORGANIZATIONS	PUBLIC ADMINISTRATION
EMPLOYED PERSONS 16 YEARS AND OVER	48 528	23 950	22 631	30 283	16 195	418 193	92 813	75 467	129 817	40 238	47 563	69 551
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS	14 434	1 992	3 555	2 563	6 312	199 286	35 159	19 999	79 257	22 586	23 161	23 907
EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS	8 908	1 899	3 308	1 733	2 624	29 543	3 790	3 255	7 223	2 530	6 209	15 665
OFFICIALS AND ADMINISTRATORS, PUBLIC ADMINISTRATION	-	-	-	-	-	6	6	-	-	-	-	5 509
FINANCIAL MANAGERS	150	35	49	18	12	512	154	102	21	70	78	107
ADMINISTRATORS, EDUCATION AND RELATED FIELDS	6	-	-	-	5	5 764	48	30	4 009	1 362	310	22
MANAGERS, MEDICINE AND HEALTH	-	-	-	-	-	2 039	1 203	836	-	-	-	35
OTHER SPECIFIED MANAGERS	1 163	142	107	766	127	725	193	86	160	96	113	386
MANAGERS AND ADMINISTRATORS, N.E.C.	4 364	1 433	2 810	890	2 252	11 585	1 344	1 815	2 159	724	4 421	2 510
SALARIED	4 051	1 054	1 727	566	1 948	11 145	1 344	1 749	2 159	698	4 217	2 510
SELF-EMPLOYED	313	379	1 083	324	304	440	-	66	-	26	204	-
MANAGEMENT RELATED OCCUPATIONS	3 225	289	342	59	228	8 912	842	386	874	278	1 287	7 096
ACCOUNTANTS AND AUDITORS	645	149	225	22	67	6 009	240	120	343	124	399	2 145
PERSONNEL, TRAINING, AND LABOR RELATIONS SPECIALISTS	1 039	29	83	20	21	1 207	280	137	306	82	321	1 480
BUYERS AND PURCHASING AGENTS	156	95	12	6	24	312	201	8	44	6	42	179
INSPECTORS AND COMPLIANCE OFFICERS	74	7	-	-	-	145	4	54	41	-	16	2 502
OTHER MANAGEMENT RELATED OCCUPATIONS	1 311	9	22	11	116	1 239	117	67	140	66	509	790
PROFESSIONAL SPECIALTY OCCUPATIONS	5 526	93	247	830	3 688	169 743	31 369	16 744	72 034	20 056	16 952	8 242
ENGINEERS, ARCHITECTS, AND SURVEYORS	635	6	6	26	52	3 971	92	20	251	15	88	1 084
ARCHITECTS	8	-	-	12	7	1 335	-	-	26	-	17	120
ENGINEERS	627	6	6	14	45	2 239	92	20	213	15	44	827
CIVIL ENGINEERS	53	-	-	2	-	759	2	-	53	-	11	475
ELECTRICAL AND ELECTRONIC ENGINEERS	152	-	-	-	34	254	5	-	48	-	15	65
INDUSTRIAL ENGINEERS	58	1	-	1	4	57	15	1	-	-	14	57
MECHANICAL ENGINEERS	37	5	6	6	-	289	24	-	42	-	-	31
OTHER ENGINEERS	327	-	-	5	7	880	46	19	70	15	4	199
SURVEYORS AND MAPPING SCIENTISTS	-	-	-	-	-	397	-	-	12	-	27	137
COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS	719	20	6	7	-	233	52	-	89	8	28	154
OPERATIONS AND SYSTEMS RESEARCHERS AND ANALYSTS	61	7	-	-	-	93	12	7	45	9	11	70
MATHEMATICAL SCIENTISTS	-	-	-	2	-	111	19	17	18	-	5	27
NATURAL SCIENTISTS	308	-	-	-	-	1 053	326	82	449	29	23	1 049
CHEMISTS, EXCEPT BIOCHEMISTS	200	-	-	-	-	157	32	19	53	7	-	63
HEALTH DIAGNOSING OCCUPATIONS	5	-	-	-	2	10 909	3 687	6 936	196	47	36	112
HEALTH ASSESSMENT AND TREATING OCCUPATIONS	317	-	9	105	3	34 505	24 979	7 302	1 391	286	511	472
REGISTERED NURSES	304	-	8	80	-	28 378	21 377	5 817	729	161	273	288
TEACHERS, EXCEPT POSTSECONDARY	119	6	74	61	713	72 901	284	207	55 757	14 293	2 279	268
SOCIAL SCIENTISTS AND URBAN PLANNERS	231	2	-	12	17	1 676	445	457	331	93	167	490
SOCIAL AND RECREATION WORKERS	23	-	35	12	78	7 915	778	1 372	527	83	5 128	2 141
LAWYERS AND JUDGES	40	1	-	-	-	6 510	12	13	12	7	63	1 416
WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES	2 973	49	87	585	2 773	4 620	200	80	832	533	1 126	427
OTHER PROFESSIONAL SPECIALTY OCCUPATIONS	95	2	30	20	50	25 246	483	251	12 136	4 653	7 487	532
TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS	19 752	3 594	2 585	3 146	2 944	100 991	29 498	17 284	23 599	8 079	10 505	25 537
TECHNICIANS AND RELATED SUPPORT OCCUPATIONS	3 373	242	12	91	210	27 526	14 295	7 066	2 753	683	299	3 833
HEALTH TECHNOLOGISTS AND TECHNICIANS	134	-	4	59	6	21 269	13 607	6 897	528	88	103	100
LICENSED PRACTICAL NURSES	92	-	4	54	6	9 965	6 168	3 684	43	31	35	18
OTHER HEALTH TECHNOLOGISTS AND TECHNICIANS	42	-	-	5	-	11 304	7 439	3 213	485	57	68	82
ENGINEERING AND SCIENCE TECHNICIANS	1 232	39	2	2	71	3 363	235	91	996	291	56	1 256
ELECTRICAL AND ELECTRONIC TECHNICIANS	451	37	-	2	56	239	82	5	91	11	-	305
INDUSTRIAL AND MECHANICAL ENGINEERING TECHNICIANS	15	-	-	-	-	26	10	-	5	-	-	-
DRAFTING AND SURVEYING TECHNICIANS	249	-	2	-	2	1 522	-	11	70	6	18	454
TECHNICIANS, EXCEPT HEALTH, ENGINEERING, AND SCIENCE	2 007	203	6	30	133	2 894	453	78	1 229	304	140	2 477

TABLE 224. (D) OCCUPATION OF EMPLOYED PERSONS BY INDUSTRY: 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]

MINNESOTA	BUSINESS SERVICES	REPAIR SERVICES	HOTELS AND LODGING PLACES	OTHER PERSONAL SERVICES, INCL PRV. HOUSEHOLD	ENTERTAIN-MENT/RE-CREATION SERVICES	PROFESSIONAL AND RELATED SERVICES: TOTAL	HOSPITALS	HEALTH SERVICES EXCEPT HOSPITALS	EDUCA-TIONAL SERVICES GOVRNMENT	EDUCA-TIONAL SERVICES PRIVATE	SOC. SERVICE RELIGIOUS AND MEMBERSHIP ORGANIZATIONS	PUBLIC ADMINIS-TRATION
COMPUTER PROGRAMMERS. . .	1 485	81	-	4	11	664	119	8	289	119	33	408
OTHER TECHNICIANS, EXCEPT HEALTH, ENGINEERING, AND SCIENCE.	522	122	6	26	122	2 230	334	70	940	185	107	2 069
SALES OCCUPATIONS.	3 486	1 016	394	1 271	1 256	2 238	404	211	515	413	436	576
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS	275	208	58	61	82	156	20	31	36	11	46	23
SELF-EMPLOYED	43	44	31	19	36	28	-	2	-	-	26	-
SALES REPRESENTATIVES, FINANCE AND BUSINESS SERVICES.	2 774	251	147	-	179	179	-	7	13	12	18	278
SALES REPRESENTATIVES, COMMODITIES, EXC. RETAIL.	37	7	-	-	-	19	-	-	-	-	2	5
SALES WORKERS, RETAIL AND PERSONAL SERVICES . .	244	550	189	1 210	995	1 871	379	173	466	390	362	265
CASHIERS.	43	204	177	161	692	967	302	44	293	219	80	138
SALES RELATED OCCUPATIONS.	156	-	-	-	-	13	5	-	-	-	8	5
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL.	12 893	2 336	2 179	1 784	1 478	71 227	14 799	10 007	20 331	6 983	9 770	21 128
SUPERVISORS, ADMINISTRATIVE SUPPORT OCCUPATIONS	730	78	63	34	53	1 771	462	305	474	90	156	1 654
COMPUTER EQUIPMENT OPERATORS	818	61	6	-	6	1 026	284	86	275	147	51	286
SECRETARIES, STENOGRAPHERS, & TYPISTS.	3 957	527	252	266	390	32 614	6 057	3 207	9 288	3 179	5 287	7 378
SECRETARIES	2 843	485	211	253	349	28 808	5 386	2 916	7 935	2 779	4 566	4 638
RECEPTIONISTS.	316	38	85	556	205	5 910	1 653	2 753	475	261	400	469
OTHER INFORMATION CLERKS .	443	103	956	38	45	856	221	69	262	58	173	1 252
FILE CLERKS.	145	34	6	-	-	909	279	129	200	97	86	285
OTHER RECORDS PROCESSING OCCUPATIONS, EXCEPT FINANCIAL	157	70	-	15	25	4 290	773	262	2 435	730	76	335
BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS . . .	1 037	779	384	259	223	6 143	594	1 586	1 056	369	980	1 316
PAYROLL AND TIMEKEEPING CLERKS.	80	6	7	11	26	355	92	56	163	17	12	162
OTHER FINANCIAL RECORDS PROCESSING OCCUPATIONS. .	184	40	9	11	14	387	181	46	43	13	62	177
TELEPHONE OPERATORS. . . .	134	3	103	17	12	882	474	49	93	179	71	78
MAIL AND MESSAGE DISTRIBUTING OCCUPATIONS.	359	12	7	7	7	924	166	45	231	220	148	327
PRODUCTION COORDINATORS AND EXPEDITERS.	283	18	12	14	24	344	119	22	87	38	56	393
TRAFFIC, SHIPPING AND RECEIVING CLERKS.	272	21	19	52	42	213	65	16	80	-	40	34
STOCK AND INVENTORY CLERKS	272	59	31	30	10	1 010	651	103	140	58	35	252
OTHER MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING CLERKS . . .	58	8	14	106	18	302	129	107	22	6	38	199
DATA-ENTRY KEYERS.	1 168	114	5	21	7	886	244	63	232	34	93	441
OTHER ADMINISTRATIVE SUPPORT OCCUPATIONS . . .	2 480	365	220	347	371	12 405	2 355	1 103	4 775	1 487	2 006	6 090
SERVICE OCCUPATIONS.	7 769	168	15 297	19 802	5 349	101 199	25 078	35 162	21 245	7 569	11 663	14 206
PRIVATE HOUSEHOLD OCCUPATIONS	-	-	-	6 979	-	-	-	-	-	-	-	-
PROTECTIVE SERVICE OCCUPATIONS	1 760	2	94	46	151	1 407	258	20	500	355	140	10 404
GUARDS.	1 708	-	92	46	147	1 356	233	20	486	349	134	550
OTHER PROTECTIVE SERVICE OCCUPATIONS.	52	2	2	-	4	51	25	-	14	6	6	9 854
SERVICE OCCUPATIONS, EXC. PROTECTIVE AND HOUSEHOLD. .	6 009	166	15 203	12 777	5 198	99 792	24 820	35 142	20 745	7 214	11 523	3 802
FOOD PREPARATION AND SERVICE OCCUPATIONS . . .	164	3	4 188	41	2 322	19 496	3 321	4 198	6 657	3 138	2 159	376
HEALTH SERVICE OCCUPATIONS	204	-	73	268	6	42 985	15 973	25 792	448	106	665	285
CLEANING AND BUILDING SERVICE OCCUPATIONS, EXC. HOUSEHOLD	5 420	155	4 585	879	999	22 892	5 082	3 813	7 958	2 578	3 220	2 458
PERSONAL SERVICE OCCUPATIONS	221	8	6 357	11 589	1 871	14 419	444	1 339	5 682	1 392	5 479	683
FARMING, FORESTRY, AND FISHING OCCUPATIONS	38	34	148	112	412	820	62	29	364	151	105	1 243
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS. . . .	2 119	14 313	457	1 109	534	6 485	1 489	1 567	1 793	750	617	2 750
MECHANICS AND REPAIRERS . . .	1 021	12 857	91	94	351	1 247	232	96	554	206	92	1 411
SUPERVISORS, MECHANICS AND REPAIRERS	28	245	1	-	18	103	12	21	49	11	10	148
AUTOMOBILE MECHANICS, INCLUDING BODY.	87	8 738	23	11	33	147	13	1	118	7	4	396
INDUSTRIAL MACHINERY REPAIRERS	107	179	2	35	51	216	73	34	71	27	7	155
ELECTRONIC REPAIRERS, COMMUNICATIONS AND INDUSTRIAL EQUIPMENT. . . .	36	735	-	-	8	209	16	4	121	46	7	95
HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS . .	11	152	-	-	7	50	8	1	32	9	-	4
OTHER MECHANICS AND REPAIRERS	752	2 808	65	48	234	522	110	35	163	106	64	613
CONSTRUCTION TRADES	516	169	161	69	102	1 935	462	169	610	303	287	864
SUPERVISORS, CONSTRUCTION OCCUPATIONS	22	7	28	4	3	183	49	30	61	21	15	81
CARPENTERS	72	27	83	32	46	662	134	42	170	121	142	306
ELECTRICIANS	79	40	-	-	27	374	101	12	140	63	26	105
PAINTERS, CONSTRUCTION AND MAINTENANCE	40	13	21	28	26	365	99	45	142	43	35	73
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS.	157	13	4	-	-	251	50	40	74	46	41	78
OTHER CONSTRUCTION TRADES. .	146	69	25	5	-	100	29	-	23	9	28	221

TABLE 224. (D) OCCUPATION OF EMPLOYED PERSONS BY INDUSTRY: 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]

MINNESOTA

	BUSINESS SERVICES	REPAIR SERVICES	OTHER HOTELS AND LODGING PLACES	PERSONAL SERVICES, INCL PRV. HOUSEHOLD	ENTERTAINMENT/RECREATION SERVICES	PROFESSIONAL AND RELATED SERVICES: TOTAL	HOSPITALS	HEALTH SERVICES EXCEPT HOSPITALS	EDUCATIONAL SERVICES GOVRNMENT	EDUCATIONAL SERVICES PRIVATE	SOC. SERVICE RELIGIOUS AND MEMBERSHIP ORGANIZATIONS	PUBLIC ADMINISTRATION
EXTRACTIVE OCCUPATIONS	-	-	-	-	-	5	-	-	-	-	-	15
PRECISION PRODUCTION OCCUPATIONS	582	1 287	205	946	81	3 298	795	1 302	629	241	238	460
SUPERVISORS, PRODUCTION OCCUPATIONS	325	82	13	129	46	458	152	114	64	37	72	187
PRECISION METALWORKING OCCUPATIONS	89	124	3	17	6	173	27	-	97	8	19	54
TOOL AND DIE MAKERS	23	36	-	-	-	4	-	-	-	-	-	-
MACHINISTS	38	50	3	17	-	71	14	-	34	4	8	47
SHEET METALWORKERS	15	17	-	-	-	66	8	-	56	-	2	2
OTHER PRECISION METALWORKERS	13	21	-	-	6	32	5	-	7	4	9	5
PRECISION TEXTILE, APPAREL, AND FURNISHINGS MACHINE WORKERS	54	736	14	783	12	103	24	10	13	9	42	20
PRECISION FOOD PRODUCTION OCCUPATIONS	-	28	11	-	-	388	98	58	121	83	22	32
PRECISION INSPECTORS, TESTERS, AND RELATED WORKERS	12	13	-	-	-	-	-	-	-	-	-	30
PLANT AND SYSTEM OPERATORS	44	6	161	17	11	1 032	480	69	306	97	56	137
OTHER PRECISION PRODUCTION OCCUPATIONS	58	298	3	-	6	1 144	14	1 051	28	7	27	-
OPERATORS, FABRICATORS, AND LABORERS	4 416	3 849	589	3 551	644	9 412	1 527	1 426	3 559	1 103	1 512	1 908
MACHINE OPERATORS, ASSEMBLERS, & INSPECTORS	2 925	1 979	346	2 707	347	4 164	1 133	1 151	736	239	739	647
MACHINE OPERATORS AND TENDERS, EXC. PRECISION	1 939	752	316	2 558	322	3 435	1 104	1 097	652	207	289	406
METALWORKING AND PLASTIC WORKING MACHINE OPERATORS	37	158	-	-	-	22	-	7	-	8	3	34
FABRICATING MACHINE OPERATORS, N.E.C.	12	5	-	-	-	2	-	-	-	2	-	-
METAL AND PLASTIC PROCESSING AND WOODWORKING MACHINE OPERATORS	17	8	42	28	10	31	-	3	14	5	3	28
PRINTING MACHINE OPERATORS	243	-	-	98	-	281	16	-	160	36	51	49
TEXTILE MACHINE OPERATORS	1	7	-	5	-	2	2	-	-	-	-	2
TEXTILE SEWING MACHINE OPERATORS	21	10	5	128	-	130	64	19	9	3	35	2
LAUNDERING AND DRYCLEANING MACHINE OPERATORS	25	-	239	1 447	19	1 935	690	980	169	29	60	2
PACKAGING AND FILLING MACHINE OPERATORS	43	3	-	-	-	26	6	-	-	-	20	-
FURNACE, KILN, AND OVEN OPERATORS, EXCEPT FOOD	9	18	-	-	-	288	96	11	120	31	30	39
OTHER SPECIFIED MACHINE OPERATORS	1 065	395	19	821	254	325	67	50	138	34	18	60
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS	466	148	11	31	39	393	163	27	42	59	69	190
FABRICATORS, ASSEMBLERS, AND HAND WORKING OCCUPATIONS	860	1 221	10	55	25	572	19	54	44	25	361	132
WELDERS AND CUTTERS	37	1 125	3	4	1	92	2	23	25	9	17	43
ASSEMBLERS	535	90	7	45	24	462	14	24	19	16	336	46
HAND WORKING OCCUPATIONS	286	4	-	2	-	8	-	-	-	-	8	40
PRODUCTION INSPECTORS, TESTERS, SAMPLERS, AND WEIGHERS	126	6	20	94	-	157	10	-	40	7	89	109
GRADERS AND SORTERS, EXCEPT AGRICULTURAL	61	-	-	7	-	107	10	-	25	7	65	30
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	618	579	110	529	126	4 005	248	118	2 572	725	327	583
TRANSPORTATION OCCUPATIONS	538	562	103	529	99	3 976	239	118	2 572	725	310	447
MOTOR VEHICLE OPERATORS	529	559	88	529	91	3 940	237	118	2 550	715	310	439
TRUCK DRIVERS	465	312	24	294	48	549	106	71	220	35	113	334
DRIVER-SALES WORKERS	38	1	2	140	-	32	12	2	11	7	-	5
RAIL AND WATER TRANSPORTATION OCCUPATIONS	9	3	15	-	8	36	2	-	22	10	-	8
MATERIAL MOVING EQUIPMENT OPERATORS	80	17	7	-	27	29	9	-	-	-	17	136
SUPERVISORS, MATERIAL MOVING EQUIPMENT OPERATORS	-	-	-	-	-	7	7	-	-	-	-	-
CRANE, HOIST, AND WINCH OPERATORS	27	-	-	-	-	-	-	-	-	-	-	-
EXCAVATING, GRADING, AND DOZER MACHINE OPERATORS	-	-	-	-	-	-	-	-	-	-	-	22
OTHER MATERIAL MOVING EQUIPMENT OPERATORS	53	17	7	-	27	22	2	-	-	-	17	114
HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS	873	1 291	133	315	171	1 243	146	157	251	139	446	678
SUPERVISORS; HANDLERS, EQUIPMENT CLEANERS, AND LABORERS, N.E.C.	10	-	-	-	-	8	-	-	8	-	-	-
HELPERS, CRAFT AND PRODUCTION	13	100	8	5	6	144	13	13	39	12	33	41
CONSTRUCTION LABORERS	17	-	10	-	-	29	5	-	10	-	14	77
FREIGHT, STOCK, AND MATERIAL HANDLERS	91	24	20	73	35	132	5	18	25	51	24	41
GARAGE AND SERVICE STATION OCCUPATIONS, AND EQUIPMENT CLEANERS	12	909	2	17	-	77	18	8	10	14	27	35
HAND PACKERS AND PACKAGERS	236	-	1	30	14	235	19	53	12	-	142	12
LABORERS, EXCEPT CONSTRUCTION	494	258	92	190	116	618	86	65	147	62	206	472

TABLE 225. (A) OCCUPATION OF EMPLOYED PERSONS BY INDUSTRY, 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]

MINNESOTA	TOTAL	AGRICULTURE, FORESTRY, AND FISHERIES	MINING	CONSTRUCTION	MANUFACTURING NON-DURABLE GOODS	MANUFACTURING DURABLE GOODS	TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES
TOTAL							
EMPLOYED MALES 16 YEARS AND OVER	1 065 148	92 246	14 158	90 812	83 929	174 993	97 916
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS	263 201	2 293	1 348	8 273	16 670	42 560	13 046
EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS	143 444	941	757	6 695	11 892	24 484	9 067
OFFICIALS AND ADMINISTRATORS	111 411	780	464	5 744	9 899	20 049	7 494
SALARIED	103 038	670	450	4 496	9 536	19 570	7 157
SELF-EMPLOYED	8 373	110	14	1 248	363	479	337
MANAGEMENT RELATED OCCUPATIONS	32 033	161	293	951	1 993	4 435	1 573
ACCOUNTANTS AND AUDITORS	12 862	49	98	342	922	1 995	682
BUYERS AND PURCHASING AGENTS	5 243	27	22	153	616	1 292	112
PROFESSIONAL SPECIALTY OCCUPATIONS	119 757	1 352	591	1 578	4 778	18 076	3 979
ENGINEERS, ARCHITECTS, AND SURVEYORS	23 975	221	458	1 296	1 457	12 378	1 731
ENGINEERS	21 454	33	404	1 105	1 441	12 312	1 717
ELECTRICAL AND ELECTRONIC ENGINEERS	5 424	-	20	30	71	3 755	976
MECHANICAL ENGINEERS	3 594	1	63	45	208	2 750	79
OTHER ENGINEERS	12 436	32	321	1 030	1 162	5 807	662
MATHEMATICAL AND COMPUTER SCIENTISTS	4 562	-	7	8	268	2 117	222
COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS	3 449	-	-	3	185	1 764	150
NATURAL SCIENTISTS	3 864	361	107	47	634	574	91
HEALTH DIAGNOSING OCCUPATIONS	10 802	644	-	-	15	7	2
HEALTH ASSESSMENT AND TREATING OCCUPATIONS	4 797	2	-	-	24	11	103
REGISTERED NURSES	1 337	-	-	-	2	11	1
SOCIAL SCIENTISTS AND URBAN PLANNERS	2 775	7	-	30	158	497	85
WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES	13 904	98	13	171	2 056	2 087	1 537
OTHER PROFESSIONAL SPECIALTY OCCUPATIONS	55 078	19	6	26	166	405	208
TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS	201 089	1 024	928	4 481	12 724	30 438	22 395
TECHNICIANS AND RELATED SUPPORT OCCUPATIONS	36 723	426	350	2 291	2 164	13 768	3 623
HEALTH TECHNOLOGISTS AND TECHNICIANS	2 516	32	13	-	7	64	73
LICENSED PRACTICAL NURSES	139	-	-	-	-	2	-
ENGINEERING AND SCIENCE TECHNICIANS	19 122	274	265	2 167	1 511	8 495	998
ELECTRICAL AND ELECTRONIC TECHNICIANS	6 248	6	38	32	182	4 176	439
DRAFTING AND SURVEYING TECHNICIANS	6 386	29	99	891	172	2 626	333
TECHNICIANS, EXCEPT HEALTH, ENGINEERING, AND SCIENCE	15 085	120	72	124	646	5 209	2 552
COMPUTER PROGRAMMERS	6 899	14	28	17	361	3 338	271
SALES OCCUPATIONS	98 827	340	35	1 026	5 647	5 917	1 743
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS	18 323	21	8	81	261	520	148
SALES REPRESENTATIVES, COMMODITIES AND FINANCE	48 164	302	27	905	4 423	5 140	1 447
OTHER SALES OCCUPATIONS	32 340	17	-	40	963	257	148
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL	65 539	258	543	1 164	4 913	10 753	17 029
COMPUTER EQUIPMENT OPERATORS	2 741	-	37	28	182	801	301
SECRETARIES, STENOGRAPHERS, AND TYPISTS	1 301	9	8	27	38	81	123
FILE CLERKS	1 013	-	8	8	194	264	59
BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS	3 868	73	58	227	213	416	386
PAYROLL AND TIMEKEEPING CLERKS	382	5	19	14	46	43	175
TRAFFIC, SHIPPING, STOCK AND INVENTORY CLERKS	13 425	28	79	186	1 485	3 948	1 189
OTHER ADMINISTRATIVE SUPPORT OCCUPATIONS	42 809	143	334	674	2 755	5 200	14 796
SERVICE OCCUPATIONS	93 938	403	359	651	3 020	3 828	2 768
PRIVATE HOUSEHOLD OCCUPATIONS	271	-	-	-	-	-	-
PROTECTIVE SERVICE OCCUPATIONS	15 233	172	88	44	345	683	477
SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD	78 434	231	271	607	2 675	3 145	2 291
FOOD PREPARATION AND SERVICE OCCUPATIONS	30 268	8	-	1	219	67	133
HEALTH SERVICE OCCUPATIONS	4 806	5	-	-	13	4	38
CLEANING AND BUILDING SERVICE OCCUPATIONS, EXCEPT HOUSEHOLD	37 041	163	269	575	2 425	3 043	1 658
PERSONAL SERVICE OCCUPATIONS	6 319	55	2	31	18	31	462
FARMING, FORESTRY, AND FISHING OCCUPATIONS	91 304	86 475	1	161	73	1 573	83
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS	194 814	700	6 673	58 637	14 954	35 909	21 038
MECHANICS AND REPAIRERS	64 515	437	3 414	3 314	3 690	6 800	12 145
AUTOMOBILE MECHANICS, INCLUDING BODY	21 485	90	522	504	323	569	1 010
ELECTRONIC REPAIRERS, COMMUNICATIONS AND INDUSTRIAL EQUIPMENT	2 583	2	30	89	12	171	394

TABLE 225. (B) OCCUPATION OF EMPLOYED PERSONS BY INDUSTRY, 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]

MINNESOTA	WHOLESALE TRADE	RETAIL TRADE	FINANCE, INSURANCE, AND REAL ESTATE	BUSINESS AND REPAIR SERVICES	PERSONAL SERVICES	ENTERTAIN-MENT AND RECREATION SERVICES	PROFESSIONAL AND RELATED SERVICES	PUBLIC ADMINISTRATION
TOTAL								
EMPLOYED MALES 16 YEARS AND OVER	67 283	151 021	45 183	46 054	14 581	9 362	136 303	41 307
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS	14 295	24 960	15 647	10 823	3 783	4 326	88 787	16 390
EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS	12 986	21 788	14 281	7 231	3 151	1 874	17 264	11 033
OFFICIALS AND ADMINISTRATORS	10 464	19 671	9 079	5 387	2 934	1 697	11 776	5 973
SALARIED	9 924	17 046	8 547	4 728	1 977	1 457	11 507	5 973
SELF-EMPLOYED	540	2 625	532	659	957	240	269	-
MANAGEMENT RELATED OCCUPATIONS	2 522	2 117	5 202	1 844	217	177	5 488	5 060
ACCOUNTANTS AND AUDITORS	779	644	1 177	407	176	42	4 126	1 423
BUYERS AND PURCHASING AGENTS	1 440	1 021	48	182	7	24	155	144
PROFESSIONAL SPECIALTY OCCUPATIONS	1 309	3 172	1 366	3 592	632	2 452	71 523	5 357
ENGINEERS, ARCHITECTS, AND SURVEYORS	517	188	234	584	32	52	3 802	1 025
ENGINEERS	508	145	177	576	20	45	2 174	797
ELECTRICAL AND ELECTRONIC ENGINEERS	71	5	2	145	-	34	250	65
MECHANICAL ENGINEERS	56	6	14	42	12	-	287	31
OTHER ENGINEERS	381	134	161	389	8	11	1 637	701
MATHEMATICAL AND COMPUTER SCIENTISTS	235	168	436	633	13	-	242	213
COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS	180	115	191	591	13	-	120	137
NATURAL SCIENTISTS	118	33	6	241	-	-	749	903
HEALTH DIAGNOSING OCCUPATIONS	6	92	35	5	-	-	9 890	106
HEALTH ASSESSMENT AND TREATING OCCUPATIONS	2	1 487	6	7	14	3	3 052	86
REGISTERED NURSES	-	-	-	7	8	-	1 302	6
SOCIAL SCIENTISTS AND URBAN PLANNERS	127	77	159	184	5	10	1 042	394
WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES	220	927	105	1 785	457	2 102	2 120	226
OTHER PROFESSIONAL SPECIALTY OCCUPATIONS	84	200	385	153	111	285	50 626	2 404
TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS	25 937	47 702	25 219	8 083	1 109	840	12 866	7 343
TECHNICIANS AND RELATED SUPPORT OCCUPATIONS	962	542	714	2 681	28	169	6 221	2 784
HEALTH TECHNOLOGISTS AND TECHNICIANS	9	-	2	7	5	-	2 257	47
LICENSED PRACTICAL NURSES	5	-	-	-	-	-	132	-
ENGINEERING AND SCIENCE TECHNICIANS	567	223	119	940	2	71	2 457	1 033
ELECTRICAL AND ELECTRONIC TECHNICIANS	252	117	29	435	2	56	217	267
DRAFTING AND SURVEYING TECHNICIANS	141	73	57	220	-	2	1 336	407
TECHNICIANS, EXCEPT HEALTH, ENGINEERING, AND SCIENCE	386	319	593	1 734	21	98	1 507	1 704
COMPUTER PROGRAMMERS	221	229	428	1 231	-	5	452	304
SALES OCCUPATIONS	19 484	41 136	18 699	3 008	347	340	749	356
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS	2 543	13 630	454	437	76	56	65	23
SALES REPRESENTATIVES, COMMODITIES AND FINANCE	15 188	56	18 039	2 168	54	47	122	246
OTHER SALES OCCUPATIONS	1 753	27 450	206	403	217	237	562	87
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL	5 491	6 024	5 806	2 394	734	331	5 896	4 203
COMPUTER EQUIPMENT OPERATORS	190	182	258	357	-	-	311	94
SECRETARIES, STENOGRAPHERS, AND TYPISTS	38	39	128	93	-	14	439	264
FILE CLERKS	33	55	142	28	-	-	153	69
BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS	444	549	458	220	115	17	448	244
PAYROLL AND TIMEKEEPING CLERKS	-	-	-	4	7	14	24	31
TRAFFIC, SHIPPING, STOCK AND INVENTORY CLERKS	2 503	2 608	172	373	58	40	577	179
OTHER ADMINISTRATIVE SUPPORT OCCUPATIONS	2 283	2 591	4 648	1 319	554	246	3 944	3 322
SERVICE OCCUPATIONS	978	28 125	2 672	5 427	6 862	2 829	23 902	12 114
PRIVATE HOUSEHOLD OCCUPATIONS	-	-	-	-	271	-	-	-
PROTECTIVE SERVICE OCCUPATIONS	96	428	442	1 450	101	111	979	9 817
SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD	882	27 697	2 230	3 977	6 490	2 718	22 923	2 297
FOOD PREPARATION AND SERVICE OCCUPATIONS	152	24 341	73	84	1 848	852	2 426	64
HEALTH SERVICE OCCUPATIONS	3	22	4	27	51	-	4 573	66
CLEANING AND BUILDING SERVICE OCCUPATIONS, EXCEPT HOUSEHOLD	712	3 266	2 145	3 823	1 551	821	14 606	1 984
PERSONAL SERVICE OCCUPATIONS	15	68	8	43	3 040	1 045	1 318	183
FARMING, FORESTRY, AND FISHING OCCUPATIONS	80	136	300	70	197	386	612	1 157
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS	9 433	21 807	741	15 654	867	470	5 301	2 630
MECHANICS AND REPAIRERS	5 231	12 545	210	13 679	173	341	1 154	1 382
AUTOMOBILE MECHANICS, INCLUDING BODY	803	8 279	20	8 767	32	33	137	396
ELECTRONIC REPAIRERS, COMMUNICATIONS AND INDUSTRIAL EQUIPMENT	148	681	20	771	-	8	162	95

TABLE 225. (A) OCCUPATION OF EMPLOYED PERSONS BY INDUSTRY, 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]

MINNESOTA

	TOTAL	AGRICULTURE, FORESTRY, AND FISHERIES	MINING	CONSTRUCTION	MANUFACTURING NON-DURABLE GOODS	MANUFACTURING DURABLE GOODS	TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES
TOTAL							
CONSTRUCTION TRADES	70 931	194	753	53 933	962	3 474	4 198
CARPENTERS	22 001	128	65	18 744	171	802	191
ELECTRICIANS	8 998	2	497	5 699	369	842	681
PAINTERS, CONSTRUCTION AND MAINTENANCE	5 051	14	29	3 499	59	581	112
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	7 215	9	35	4 924	250	426	438
OTHER CONSTRUCTION TRADES	27 666	41	127	21 067	113	823	2 776
EXTRACTIVE OCCUPATIONS	2 150	-	1 992	42	29	56	11
PRECISION PRODUCTION OCCUPATIONS	57 218	69	514	1 348	10 273	25 579	4 684
PRECISION METALWORKING OCCUPATIONS	15 096	5	250	991	1 120	10 972	621
MACHINISTS	8 515	5	212	64	759	6 457	496
PLANT AND SYSTEM OPERATORS	4 732	14	62	90	706	651	1 602
OTHER PRECISION PRODUCTION OCCUPATIONS	37 390	50	202	267	8 447	13 956	2 461
OPERATORS, FABRICATORS, AND LABORERS	220 802	1 351	4 849	18 609	36 488	60 685	38 586
MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS	88 038	288	1 124	2 013	22 448	48 460	2 420
MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION	55 510	225	407	664	20 099	25 842	1 258
METALWORKING AND PLASTIC WORKING MACHINE OPERATORS	8 940	-	35	79	231	8 141	59
PRINTING MACHINE OPERATORS	7 881	-	-	10	7 043	250	39
OTHER SPECIFIED MACHINE OPERATORS	21 097	96	372	269	7 088	8 726	419
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS	17 592	129	-	306	5 737	8 725	741
WELDERS AND CUTTERS	12 884	40	637	1 151	358	8 156	728
ASSEMBLERS	13 004	15	2	141	797	10 542	101
OTHER FABRICATORS AND HAND WORKING OCCUPATIONS	1 311	2	3	32	413	395	32
PRODUCTION INSPECTORS, TESTERS, SAMPLERS, AND WEIGHERS	5 329	6	75	25	781	3 525	301
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	71 398	707	2 417	7 233	6 448	5 894	29 156
MOTOR VEHICLE OPERATORS	52 998	618	1 193	2 668	4 284	2 731	24 136
TRUCK DRIVERS	41 054	593	1 169	2 630	3 212	2 647	18 407
OTHER TRANSPORTATION OCCUPATIONS	4 255	10	219	60	11	115	3 762
MATERIAL MOVING EQUIPMENT OPERATORS	14 145	79	1 005	4 505	2 153	3 048	1 258
HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS	61 366	356	1 308	9 363	7 592	6 331	7 010
FREIGHT, STOCK, AND MATERIAL HANDLERS	19 988	112	111	94	1 875	1 471	3 376
OTHER SPECIFIED HANDLERS, EQUIPMENT CLEANERS, AND HELPERS	13 705	56	718	681	1 701	1 311	637
LABORERS, INCLUDING CONSTRUCTION	27 673	188	479	8 588	4 016	3 549	2 997

TABLE 225. (B) OCCUPATION OF EMPLOYED PERSONS BY INDUSTRY, 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]

MINNESOTA

	WHOLESALE TRADE	RETAIL TRADE	FINANCE, INSURANCE, AND REAL ESTATE	BUSINESS AND REPAIR SERVICES	PERSONAL SERVICES	ENTERTAIN-MENT AND RECREATION SERVICES	PROFESSIONAL AND RELATED SERVICES	PUBLIC ADMINISTRATION
TOTAL								
CONSTRUCTION TRADES	1 136	2 327	311	671	218	73	1 850	831
CARPENTERS	106	535	102	99	115	31	619	293
ELECTRICIANS	149	146	-	119	-	15	374	105
PAINTERS, CONSTRUCTION AND MAINTENANCE	45	92	88	50	41	24	345	72
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	485	113	32	170	4	-	251	78
OTHER CONSTRUCTION TRADES	351	1 441	89	233	58	3	261	283
EXTRACTIVE OCCUPATIONS	-	-	-	-	-	-	5	15
PRECISION PRODUCTION OCCUPATIONS	3 066	6 935	220	1 304	476	56	2 292	402
PRECISION METALWORKING OCCUPATIONS	412	278	4	205	20	-	166	52
MACHINISTS	194	102	4	86	20	-	71	45
PLANT AND SYSTEM OPERATORS	58	42	121	50	178	11	1 012	135
OTHER PRECISION PRODUCTION OCCUPATIONS	2 596	6 615	95	1 049	278	45	1 114	215
OPERATORS, FABRICATORS, AND LABORERS	16 560	28 291	604	5 997	1 763	511	4 835	1 673
MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS	3 046	1 714	253	3 162	927	266	1 369	548
MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION	1 895	996	212	1 485	865	255	977	330
METALWORKING AND PLASTIC WORKING MACHINE OPERATORS	123	52	6	186	-	-	5	23
PRINTING MACHINE OPERATORS	92	52	92	87	51	-	135	30
OTHER SPECIFIED MACHINE OPERATORS	838	578	61	854	784	226	678	108
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS	842	314	53	358	30	29	159	169
WELDERS AND CUTTERS	411	89	13	1 160	7	1	92	41
ASSEMBLERS	425	452	2	233	16	10	230	38
OTHER FABRICATORS AND HAND WORKING OCCUPATIONS	49	87	11	244	2	-	1	40
PRODUCTION INSPECTORS, TESTERS, SAMPLERS, AND WEIGHERS	266	90	15	40	37	-	69	99
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	7 622	6 662	183	1 099	598	116	2 721	542
MOTOR VEHICLE OPERATORS	6 553	5 921	155	1 017	576	81	2 666	399
TRUCK DRIVERS	5 437	5 042	51	729	286	41	483	327
OTHER TRANSPORTATION OCCUPATIONS	11	7	-	3	15	8	26	8
MATERIAL MOVING EQUIPMENT OPERATORS	1 058	734	28	79	7	27	29	135
HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS	5 892	19 915	168	1 736	238	129	745	583
FREIGHT, STOCK, AND MATERIAL HANDLERS	1 521	11 047	26	108	71	35	102	39
OTHER SPECIFIED HANDLERS, EQUIPMENT CLEANERS, AND HELPERS	652	6 612	11	999	14	18	222	73
LABORERS, INCLUDING CONSTRUCTION	3 719	2 256	131	629	153	76	421	471

TABLE 225. (A) OCCUPATION OF EMPLOYED PERSONS BY INDUSTRY, 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]

MINNESOTA	TOTAL	AGRICULTURE, FORESTRY, AND FISHERIES	MINING	CONSTRUCTION	MANUFACTURING NON-DURABLE GOODS	MANUFACTURING DURABLE GOODS	TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES
TOTAL							
EMPLOYED FEMALES 16 YEARS AND OVER	820 373	18 401	1 063	8 568	47 737	74 104	31 195
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS	171 294	501	70	1 086	5 009	6 901	3 083
EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS	56 686	187	49	917	2 892	4 818	2 239
OFFICIALS AND ADMINISTRATORS	38 071	135	13	624	1 888	2 480	1 535
SALARIED	34 825	111	10	579	1 761	2 419	1 497
SELF-EMPLOYED	3 246	24	3	45	127	61	38
MANAGEMENT RELATED OCCUPATIONS	18 615	52	36	293	1 004	2 338	704
ACCOUNTANTS AND AUDITORS	7 907	42	22	215	617	1 135	372
BUYERS AND PURCHASING AGENTS	2 689	2	7	28	157	564	18
PROFESSIONAL SPECIALTY OCCUPATIONS	114 608	314	21	169	2 117	2 083	844
ENGINEERS, ARCHITECTS, AND SURVEYORS	1 220	10	-	33	126	552	111
ENGINEERS	1 055	-	-	27	126	550	111
ELECTRICAL AND ELECTRONIC ENGINEERS	169	-	-	2	-	110	41
MECHANICAL ENGINEERS	30	-	-	-	-	28	-
OTHER ENGINEERS	856	-	-	25	126	412	70
MATHEMATICAL AND COMPUTER SCIENTISTS	1 539	14	-	22	65	422	111
COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS	968	-	-	17	61	319	57
NATURAL SCIENTISTS	904	55	10	6	153	93	23
HEALTH DIAGNOSING OCCUPATIONS	1 135	80	-	-	2	11	-
HEALTH ASSESSMENT AND TREATING OCCUPATIONS	33 038	3	-	6	51	162	29
REGISTERED NURSES	28 177	3	-	-	44	162	29
SOCIAL SCIENTISTS AND URBAN PLANNERS	1 248	4	-	24	86	108	40
WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES	9 826	116	11	78	1 484	550	446
OTHER PROFESSIONAL SPECIALTY OCCUPATIONS	65 698	32	-	-	150	185	84
TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS	366 820	2 488	405	6 106	17 640	27 430	21 189
TECHNICIANS AND RELATED SUPPORT OCCUPATIONS	29 012	341	47	152	972	2 233	447
HEALTH TECHNOLOGISTS AND TECHNICIANS	19 627	211	-	-	5	58	35
LICENSED PRACTICAL NURSES	10 036	-	-	-	5	3	8
ENGINEERING AND SCIENCE TECHNICIANS	3 943	106	38	95	752	1 112	148
ELECTRICAL AND ELECTRONIC TECHNICIANS	730	8	4	-	66	464	34
DRAFTING AND SURVEYING TECHNICIANS	689	-	-	38	60	237	59
TECHNICIANS, EXCEPT HEALTH, ENGINEERING, AND SCIENCE	5 442	24	9	57	215	1 063	264
COMPUTER PROGRAMMERS	2 453	-	4	17	100	855	111
SALES OCCUPATIONS	88 359	183	2	203	1 882	992	2 080
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS	6 500	-	-	6	103	45	20
SALES REPRESENTATIVES, COMMODITIES AND FINANCE	14 683	108	-	133	1 155	843	1 698
OTHER SALES OCCUPATIONS	67 176	75	2	64	624	104	362
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL	249 449	1 964	356	5 751	14 786	24 205	18 662
COMPUTER EQUIPMENT OPERATORS	4 409	8	2	93	334	824	316
SECRETARIES, STENOGRAPHERS, AND TYPISTS	86 287	573	159	2 454	4 683	9 402	3 553
FILE CLERKS	3 258	6	-	30	315	395	85
BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS	37 165	809	71	2 070	2 057	2 844	1 901
PAYROLL AND TIMEKEEPING CLERKS	2 126	9	10	93	273	343	283
TRAFFIC, SHIPPING, STOCK AND INVENTORY CLERKS	5 913	18	5	37	643	1 820	282
OTHER ADMINISTRATIVE SUPPORT OCCUPATIONS	110 291	541	109	974	6 481	8 577	12 242
SERVICE OCCUPATIONS	170 695	234	73	129	690	802	2 951
PRIVATE HOUSEHOLD OCCUPATIONS	6 708	-	-	-	-	-	-
PROTECTIVE SERVICE OCCUPATIONS	1 722	23	-	-	8	35	33
SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD	162 265	211	73	129	682	767	2 918
FOOD PREPARATION AND SERVICE OCCUPATIONS	71 421	18	5	10	237	198	136
HEALTH SERVICE OCCUPATIONS	39 460	7	-	7	32	23	21
CLEANING AND BUILDING SERVICE OCCUPATIONS, EXCEPT HOUSEHOLD	18 448	117	68	106	376	501	261
PERSONAL SERVICE OCCUPATIONS	32 936	69	-	6	37	45	2 500
FARMING, FORESTRY, AND FISHING OCCUPATIONS	15 598	14 981	-	-	21	61	4
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS	18 077	42	162	870	3 181	5 830	835
MECHANICS AND REPAIRERS	2 023	17	86	22	152	572	552
AUTOMOBILE MECHANICS, INCLUDING BODY	150	-	13	-	-	10	2
ELECTRONIC REPAIRERS, COMMUNICATIONS AND INDUSTRIAL EQUIPMENT	96	-	6	-	-	31	9

TABLE 225. (B) OCCUPATION OF EMPLOYED PERSONS BY INDUSTRY, 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]

MINNESOTA	WHOLESALE TRADE	RETAIL TRADE	FINANCE, INSURANCE, AND REAL ESTATE	BUSINESS AND REPAIR SERVICES	PERSONAL SERVICES	ENTERTAIN-MENT AND RECREATION SERVICES	PROFESSIONAL AND RELATED SERVICES	PUBLIC ADMINISTRATION
TOTAL								
EMPLOYED FEMALES 16 YEARS AND OVER	24 949	170 146	62 486	26 424	38 333	6 833	281 890	28 244
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS	2 960	14 691	9 053	5 603	2 335	1 986	110 499	7 517
EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS	2 510	11 880	8 067	3 576	1 890	750	12 279	4 632
OFFICIALS AND ADMINISTRATORS	1 602	9 306	4 726	1 906	1 706	699	8 855	2 596
SALARIED	1 551	7 759	4 507	1 779	1 093	619	8 544	2 596
SELF-EMPLOYED	51	1 547	219	127	613	80	311	-
MANAGEMENT RELATED OCCUPATIONS	908	2 574	3 341	1 670	184	51	3 424	2 036
ACCOUNTANTS AND AUDITORS	389	808	1 219	387	71	25	1 883	722
BUYERS AND PURCHASING AGENTS	341	1 263	37	69	11	-	157	35
PROFESSIONAL SPECIALTY OCCUPATIONS	450	2 811	986	2 027	445	1 236	98 220	2 885
ENGINEERS, ARCHITECTS, AND SURVEYORS	11	58	34	57	-	-	169	59
ENGINEERS	11	50	28	57	-	-	65	30
ELECTRICAL AND ELECTRONIC ENGINEERS	5	-	-	7	-	-	4	-
MECHANICAL ENGINEERS	-	-	-	-	-	-	2	-
OTHER ENGINEERS	6	50	28	50	-	-	59	30
MATHEMATICAL AND COMPUTER SCIENTISTS	95	108	293	174	2	-	195	38
COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS	44	77	115	148	-	-	113	17
NATURAL SCIENTISTS	32	6	9	67	-	-	304	146
HEALTH DIAGNOSING OCCUPATIONS	-	2	13	-	-	2	1 019	6
HEALTH ASSESSMENT AND TREATING OCCUPATIONS	17	364	157	310	100	-	31 453	386
REGISTERED NURSES	17	36	151	297	80	-	27 076	282
SOCIAL SCIENTISTS AND URBAN PLANNERS	56	40	97	49	7	7	634	96
WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES	181	1 965	171	1 237	215	671	2 500	201
OTHER PROFESSIONAL SPECIALTY OCCUPATIONS	58	268	212	133	121	556	61 946	1 953
TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS	17 936	93 979	51 339	15 263	4 622	2 104	88 125	18 194
TECHNICIANS AND RELATED SUPPORT OCCUPATIONS	350	310	756	934	75	41	21 305	1 049
HEALTH TECHNOLOGISTS AND TECHNICIANS	5	29	28	127	58	6	19 012	53
LICENSED PRACTICAL NURSES	-	10	3	92	58	6	9 833	18
ENGINEERING AND SCIENCE TECHNICIANS	133	61	36	331	2	-	906	223
ELECTRICAL AND ELECTRONIC TECHNICIANS	15	10	16	53	-	-	22	38
DRAFTING AND SURVEYING TECHNICIANS	13	18	-	29	2	-	186	47
TECHNICIANS, EXCEPT HEALTH, ENGINEERING, AND SCIENCE	212	220	692	476	15	35	1 387	773
COMPUTER PROGRAMMERS	152	146	407	335	4	6	212	104
SALES OCCUPATIONS	2 666	66 775	8 139	1 494	1 318	916	1 489	220
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS	181	5 834	105	46	43	26	91	-
SALES REPRESENTATIVES, COMMODITIES AND FINANCE	2 052	80	7 375	901	93	132	76	37
OTHER SALES OCCUPATIONS	433	60 861	659	547	1 182	758	1 322	183
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL	14 920	26 894	42 444	12 835	3 229	1 147	65 331	16 925
COMPUTER EQUIPMENT OPERATORS	561	304	526	522	6	6	715	192
SECRETARIES, STENOGRAPHERS, AND TYPISTS	4 245	4 565	12 079	4 391	518	376	32 175	7 114
FILE CLERKS	191	179	928	151	6	-	756	216
BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS	4 131	9 134	5 051	1 596	528	206	5 695	1 072
PAYROLL AND TIMEKEEPING CLERKS	70	299	179	82	11	12	331	131
TRAFFIC, SHIPPING, STOCK AND INVENTORY CLERKS	577	1 355	86	251	74	12	646	107
OTHER ADMINISTRATIVE SUPPORT OCCUPATIONS	5 145	11 058	23 595	5 842	2 086	535	25 013	8 093
SERVICE OCCUPATIONS	319	51 275	1 566	2 510	28 237	2 520	77 297	2 092
PRIVATE HOUSEHOLD OCCUPATIONS	-	-	-	-	6 708	-	-	-
PROTECTIVE SERVICE OCCUPATIONS	7	171	39	312	39	40	428	587
SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD	312	51 104	1 527	2 198	21 490	2 480	76 869	1 505
FOOD PREPARATION AND SERVICE OCCUPATIONS	166	49 160	175	83	2 381	1 470	17 070	312
HEALTH SERVICE OCCUPATIONS	-	210	56	177	290	6	38 412	219
CLEANING AND BUILDING SERVICE OCCUPATIONS, EXCEPT HOUSEHOLD	128	1 077	1 211	1 752	3 913	178	8 286	474
PERSONAL SERVICE OCCUPATIONS	18	657	85	186	14 906	826	13 101	500
FARMING, FORESTRY, AND FISHING OCCUPATIONS	29	87	30	2	63	26	208	86
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS	859	3 293	160	778	699	64	1 184	120
MECHANICS AND REPAIRERS	130	128	21	199	12	10	93	29
AUTOMOBILE MECHANICS, INCLUDING BODY	14	41	-	58	2	-	10	-
ELECTRONIC REPAIRERS, COMMUNICATIONS AND INDUSTRIAL EQUIPMENT	-	3	-	-	-	-	47	-

TABLE 225. (A) OCCUPATION OF EMPLOYED PERSONS BY INDUSTRY, 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]

MINNESOTA	TOTAL	AGRICULTURE, FORESTRY, AND FISHERIES	MINING	CONSTRUCTION	MANUFACTURING NON-DURABLE GOODS	MANUFACTURING DURABLE GOODS	TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES
TOTAL							
CONSTRUCTION TRADES	1 453	2	29	817	11	279	25
CARPENTERS	343	-	-	175	-	88	-
ELECTRICIANS	126	-	16	36	3	42	12
PAINTERS, CONSTRUCTION AND MAINTENANCE	406	-	-	271	5	49	-
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	49	-	7	22	3	8	-
OTHER CONSTRUCTION TRADES	529	2	6	313	-	92	13
EXTRACTIVE OCCUPATIONS	35	2	33	-	-	-	-
PRECISION PRODUCTION OCCUPATIONS	14 566	21	14	31	3 018	4 979	258
PRECISION METALWORKING OCCUPATIONS	1 021	-	-	5	174	704	-
MACHINISTS	449	-	-	-	60	377	-
PLANT AND SYSTEM OPERATORS	132	-	5	-	44	17	44
OTHER PRECISION PRODUCTION OCCUPATIONS	13 413	21	9	26	2 800	4 258	214
OPERATORS, FABRICATORS, AND LABORERS	77 889	155	353	377	21 196	33 080	3 133
MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS	57 402	58	57	69	16 857	29 928	356
MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION	29 232	42	39	15	12 520	8 962	183
METALWORKING AND PLASTIC WORKING MACHINE OPERATORS	2 146	7	-	4	144	1 863	25
PRINTING MACHINE OPERATORS	3 460	-	-	-	2 594	244	56
OTHER SPECIFIED MACHINE OPERATORS	14 142	9	39	2	6 261	2 390	31
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS	9 484	26	-	9	3 521	4 465	71
WELDERS AND CUTTERS	691	-	4	6	37	609	13
ASSEMBLERS	20 074	12	-	34	2 340	16 052	101
OTHER FABRICATORS AND HAND WORKING OCCUPATIONS	1 461	-	-	-	286	932	-
PRODUCTION INSPECTORS, TESTERS, SAMPLERS, AND WEIGHERS	5 944	4	14	14	1 674	3 373	59
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	5 170	8	91	71	370	383	2 255
MOTOR VEHICLE OPERATORS	4 290	8	23	37	119	65	2 176
TRUCK DRIVERS	951	8	17	31	68	48	419
OTHER TRANSPORTATION OCCUPATIONS	112	-	8	-	-	2	58
MATERIAL MOVING EQUIPMENT OPERATORS	768	-	60	34	251	316	21
HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS	15 317	89	205	237	3 969	2 769	522
FREIGHT, STOCK, AND MATERIAL HANDLERS	3 293	4	15	7	362	325	196
OTHER SPECIFIED HANDLERS, EQUIPMENT CLEANERS, AND HELPERS	7 290	43	140	50	2 196	1 250	183
LABORERS, INCLUDING CONSTRUCTION	4 734	42	50	180	1 411	1 194	143

TABLE 225. (B) OCCUPATION OF EMPLOYED PERSONS BY INDUSTRY, 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]

MINNESOTA	WHOLESALE TRADE	RETAIL TRADE	FINANCE, INSURANCE, AND REAL ESTATE	BUSINESS AND REPAIR SERVICES	PERSONAL SERVICES	ENTERTAIN-MENT AND RECREATION SERVICES	PROFESSIONAL AND RELATED SERVICES	PUBLIC ADMINISTRATION
TOTAL								
CONSTRUCTION TRADES	12	42	63	14	12	29	85	33
CARPENTERS	1	-	8	-	-	15	43	13
ELECTRICIANS	-	5	-	-	-	12	-	-
PAINTERS, CONSTRUCTION AND MAINTENANCE	-	16	31	3	8	2	20	1
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	9	-	-	-	-	-	-	-
OTHER CONSTRUCTION TRADES	2	21	24	11	4	-	22	19
EXTRACTIVE OCCUPATIONS	-	-	-	-	-	-	-	-
PRECISION PRODUCTION OCCUPATIONS	717	3 123	76	565	675	25	1 006	58
PRECISION METALWORKING OCCUPATIONS	30	85	-	8	-	6	7	2
MACHINISTS	2	6	-	2	-	-	-	2
PLANT AND SYSTEM OPERATORS	-	-	-	-	-	-	20	2
OTHER PRECISION PRODUCTION OCCUPATIONS	687	3 038	76	557	675	19	979	54
OPERATORS, FABRICATORS, AND LABORERS	2 846	6 821	338	2 268	2 377	133	4 577	235
MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS	1 499	1 505	230	1 742	2 126	81	2 795	99
MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION	617	848	190	1 206	2 009	67	2 458	76
METALWORKING AND PLASTIC WORKING MACHINE OPERATORS	39	27	-	9	-	-	17	11
PRINTING MACHINE OPERATORS	39	89	70	156	47	-	146	19
OTHER SPECIFIED MACHINE OPERATORS	173	304	55	785	1 950	57	2 061	25
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS	366	428	65	256	12	10	234	21
WELDERS AND CUTTERS	1	5	12	2	-	-	-	2
ASSEMBLERS	507	336	10	392	36	14	232	8
OTHER FABRICATORS AND HAND WORKING OCCUPATIONS	55	107	7	50	4	-	17	3
PRODUCTION INSPECTORS, TESTERS, SAMPLERS, AND WEIGHERS	319	209	11	92	77	-	88	10
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	133	349	36	98	41	10	1 284	41
MOTOR VEHICLE OPERATORS	108	307	11	71	41	10	1 274	40
TRUCK DRIVERS	74	120	6	48	32	7	66	7
OTHER TRANSPORTATION OCCUPATIONS	-	7	18	9	-	-	10	-
MATERIAL MOVING EQUIPMENT OPERATORS	25	35	7	18	-	-	-	1
HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS	1 214	4 967	72	428	210	42	498	95
FREIGHT, STOCK, AND MATERIAL HANDLERS	142	2 168	13	7	22	-	30	2
OTHER SPECIFIED HANDLERS, EQUIPMENT CLEANERS, AND HELPERS	599	2 224	16	281	49	2	242	15
LABORERS, INCLUDING CONSTRUCTION	473	575	43	140	139	40	226	78

TABLE 225. (A) OCCUPATION OF EMPLOYED PERSONS BY INDUSTRY, 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]

MINNESOTA

	TOTAL	AGRICULTURE, FORESTRY, AND FISHERIES	MINING	CONSTRUCTION	MANUFACTURING NON-DURABLE GOODS	MANUFACTURING DURABLE GOODS	TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES
WHITE							
EMPLOYED PERSONS 16 YEARS AND OVER	1 840 261	110 255	15 036	98 065	128 389	240 509	126 055
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS	424 383	2 758	1 402	9 305	21 214	48 089	15 912
EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS	196 342	1 113	806	7 595	14 598	28 749	11 185
OFFICIALS AND ADMINISTRATORS	147 003	915	477	6 355	11 647	22 197	8 966
SALARIED	135 529	781	460	5 062	11 157	21 665	8 591
SELF-EMPLOYED	11 474	134	17	1 293	490	532	375
MANAGEMENT RELATED OCCUPATIONS	49 339	198	329	1 240	2 951	6 552	2 219
ACCOUNTANTS AND AUDITORS	20 240	76	120	553	1 515	3 004	1 030
BUYERS AND PURCHASING AGENTS	7 862	29	29	181	764	1 834	130
PROFESSIONAL SPECIALTY OCCUPATIONS	228 041	1 645	596	1 710	6 616	19 340	4 727
ENGINEERS, ARCHITECTS, AND SURVEYORS	24 305	231	451	1 309	1 513	12 344	1 813
ENGINEERS	21 655	33	397	1 120	1 497	12 276	1 799
ELECTRICAL AND ELECTRONIC ENGINEERS	5 329	-	20	32	71	3 622	996
MECHANICAL ENGINEERS	3 472	1	63	45	197	2 648	79
OTHER ENGINEERS	12 854	32	314	1 043	1 229	6 006	724
MATHEMATICAL AND COMPUTER SCIENTISTS	5 823	14	7	30	308	2 404	310
COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS	4 203	-	-	20	221	1 970	198
NATURAL SCIENTISTS	4 518	402	108	50	725	646	107
HEALTH DIAGNOSING OCCUPATIONS	11 423	719	-	-	17	18	2
HEALTH ASSESSMENT AND TREATING OCCUPATIONS	37 298	5	-	6	69	173	132
REGISTERED NURSES	29 088	3	-	-	40	173	30
SOCIAL SCIENTISTS AND URBAN PLANNERS	3 885	11	-	54	225	594	118
WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES	23 122	212	24	235	3 443	2 595	1 953
OTHER PROFESSIONAL SPECIALTY OCCUPATIONS	117 667	51	6	26	316	566	292
TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS	555 043	3 463	1 331	10 474	29 787	56 081	42 487
TECHNICIANS AND RELATED SUPPORT OCCUPATIONS	63 698	742	397	2 427	3 040	15 204	4 030
HEALTH TECHNOLOGISTS AND TECHNICIANS	21 729	243	13	-	12	122	108
LICENSED PRACTICAL NURSES	10 055	-	-	-	5	5	8
ENGINEERING AND SCIENCE TECHNICIANS	22 405	355	303	2 256	2 213	9 232	1 141
ELECTRICAL AND ELECTRONIC TECHNICIANS	6 700	14	42	32	245	4 426	468
DRAFTING AND SURVEYING TECHNICIANS	6 969	24	99	929	230	2 812	392
TECHNICIANS, EXCEPT HEALTH, ENGINEERING, AND SCIENCE	19 564	144	81	171	815	5 850	2 781
COMPUTER PROGRAMMERS	8 861	14	32	34	429	3 887	369
SALES OCCUPATIONS	184 656	506	37	1 219	7 438	6 834	3 751
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS	24 561	21	8	87	364	565	163
SALES REPRESENTATIVES, COMMODITIES AND FINANCE	62 065	393	27	1 028	5 521	5 908	3 103
OTHER SALES OCCUPATIONS	98 030	92	2	104	1 553	361	485
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL	306 689	2 215	897	6 828	19 309	34 043	34 706
COMPUTER EQUIPMENT OPERATORS	6 869	8	39	121	511	1 518	601
SECRETARIES, STENOGRAPHERS, AND TYPISTS	85 885	580	167	2 446	4 629	9 326	3 560
FILE CLERKS	4 025	6	8	38	486	651	124
BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS	40 443	882	129	2 291	2 262	3 180	2 248
PAYROLL AND TIMEKEEPING CLERKS	2 419	14	29	107	319	380	424
TRAFFIC, SHIPPING, STOCK AND INVENTORY CLERKS	18 708	46	82	216	2 058	5 631	1 365
OTHER ADMINISTRATIVE SUPPORT OCCUPATIONS	148 340	679	443	1 609	9 044	13 357	26 384
SERVICE OCCUPATIONS	255 819	629	426	749	3 583	4 426	5 371
PRIVATE HOUSEHOLD OCCUPATIONS	6 861	-	-	-	-	-	-
PROTECTIVE SERVICE OCCUPATIONS	16 380	193	88	44	331	675	502
SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD	232 578	436	338	705	3 252	3 751	4 869
FOOD PREPARATION AND SERVICE OCCUPATIONS	98 878	26	5	11	437	262	237
HEALTH SERVICE OCCUPATIONS	42 681	12	-	7	45	25	59
CLEANING AND BUILDING SERVICE OCCUPATIONS, EXCEPT HOUSEHOLD	53 014	274	331	650	2 721	3 388	1 832
PERSONAL SERVICE OCCUPATIONS	38 005	124	2	37	49	76	2 741
FARMING, FORESTRY, AND FISHING OCCUPATIONS	106 456	101 210	1	161	94	1 556	87
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS	209 400	738	6 743	58 839	17 760	40 816	21 540
MECHANICS AND REPAIRERS	65 611	454	3 461	3 291	3 769	7 211	12 510
AUTOMOBILE MECHANICS, INCLUDING BODY	21 355	90	533	501	323	573	984
ELECTRONIC REPAIRERS, COMMUNICATIONS AND INDUSTRIAL EQUIPMENT	2 643	2	36	89	12	202	403

TABLE 225. (B) OCCUPATION OF EMPLOYED PERSONS BY INDUSTRY, 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]

MINNESOTA	WHOLESALE TRADE	RETAIL TRADE	FINANCE, INSURANCE, AND REAL ESTATE	BUSINESS AND REPAIR SERVICES	PERSONAL SERVICES	ENTERTAINMENT AND RECREATION SERVICES	PROFESSIONAL AND RELATED SERVICES	PUBLIC ADMINISTRATION
WHITE								
EMPLOYED PERSONS 16 YEARS AND OVER	90 705	315 531	105 120	70 573	51 488	15 717	406 451	66 367
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS	17 005	39 028	24 289	16 070	5 975	6 100	194 361	22 875
EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS	15 313	33 121	21 989	10 562	4 936	2 570	28 732	15 073
OFFICIALS AND ADMINISTRATORS	11 916	28 516	13 641	7 168	4 565	2 354	20 013	8 273
SALARIED	11 341	24 387	12 907	6 395	3 019	2 047	19 444	8 273
SELF-EMPLOYED	575	4 129	734	773	1 546	307	569	-
MANAGEMENT RELATED OCCUPATIONS	3 397	4 605	8 348	3 394	371	216	8 719	6 800
ACCOUNTANTS AND AUDITORS	1 139	1 398	2 338	765	228	61	5 945	2 068
BUYERS AND PURCHASING AGENTS	1 780	2 252	85	251	18	24	312	173
PROFESSIONAL SPECIALTY OCCUPATIONS	1 692	5 907	2 300	5 508	1 039	3 530	165 629	7 802
ENGINEERS, ARCHITECTS, AND SURVEYORS	510	223	268	624	32	52	3 861	1 074
ENGINEERS	501	172	205	616	20	45	2 155	819
ELECTRICAL AND ELECTRONIC ENGINEERS	76	5	2	152	-	34	254	65
MECHANICAL ENGINEERS	56	6	14	42	12	-	278	31
OTHER ENGINEERS	369	161	189	422	8	11	1 623	723
MATHEMATICAL AND COMPUTER SCIENTISTS	311	270	719	768	15	-	416	251
COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS	211	192	306	700	13	-	218	154
NATURAL SCIENTISTS	150	39	15	302	-	-	984	990
HEALTH DIAGNOSING OCCUPATIONS	6	94	34	-	-	2	10 425	106
HEALTH ASSESSMENT AND TREATING OCCUPATIONS	19	1 849	163	317	109	3	33 998	455
REGISTERED NURSES	17	36	151	304	83	-	27 965	286
SOCIAL SCIENTISTS AND URBAN PLANNERS	174	117	250	226	12	17	1 639	448
WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES	395	2 847	266	2 985	662	2 656	4 457	392
OTHER PROFESSIONAL SPECIALTY OCCUPATIONS	127	468	585	286	209	800	109 849	4 086
TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS	43 192	139 631	74 697	22 743	5 644	2 832	98 375	24 306
TECHNICIANS AND RELATED SUPPORT OCCUPATIONS	1 259	836	1 425	3 527	103	200	26 820	3 688
HEALTH TECHNOLOGISTS AND TECHNICIANS	14	29	26	134	63	6	20 861	98
LICENSED PRACTICAL NURSES	5	10	3	92	58	6	9 847	16
ENGINEERING AND SCIENCE TECHNICIANS	694	269	155	1 241	4	71	3 271	1 200
ELECTRICAL AND ELECTRONIC TECHNICIANS	261	113	45	471	2	56	236	289
DRAFTING AND SURVEYING TECHNICIANS	154	90	57	242	2	2	1 498	438
TECHNICIANS, EXCEPT HEALTH, ENGINEERING, AND SCIENCE	551	538	1 244	2 152	36	123	2 688	2 390
COMPUTER PROGRAMMERS	347	374	811	1 528	4	11	633	388
SALES OCCUPATIONS	21 970	106 398	26 439	4 439	1 621	1 256	2 172	576
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS	2 713	19 239	538	483	119	82	156	23
SALES REPRESENTATIVES, COMMODITIES AND FINANCE	17 083	136	25 055	3 011	147	179	191	283
OTHER SALES OCCUPATIONS	2 174	87 023	846	945	1 355	995	1 825	270
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL	19 963	32 397	46 833	14 777	3 920	1 376	69 383	20 042
COMPUTER EQUIPMENT OPERATORS	713	480	764	824	6	6	1 009	269
SECRETARIES, STENOGRAPHERS, AND TYPISTS	4 228	4 559	12 049	4 382	511	381	32 001	7 066
FILE CLERKS	224	232	1 037	151	6	-	822	240
BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS	4 547	9 618	5 357	1 802	632	208	6 028	1 259
PAYROLL AND TIMEKEEPING CLERKS	70	299	172	71	18	26	347	143
TRAFFIC, SHIPPING, STOCK AND INVENTORY CLERKS	3 002	3 843	246	617	127	28	1 174	273
OTHER ADMINISTRATIVE SUPPORT OCCUPATIONS	7 179	13 366	27 208	6 930	2 620	727	28 002	10 792
SERVICE OCCUPATIONS	1 272	77 301	4 074	7 439	34 194	5 205	97 470	13 680
PRIVATE HOUSEHOLD OCCUPATIONS	-	-	-	-	6 861	-	-	-
PROTECTIVE SERVICE OCCUPATIONS	97	582	443	1 646	140	151	1 368	10 120
SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD	1 175	76 719	3 631	5 793	27 193	5 054	96 102	3 560
FOOD PREPARATION AND SERVICE OCCUPATIONS	303	71 591	237	161	4 107	2 282	18 875	344
HEALTH SERVICE OCCUPATIONS	3	226	60	177	328	6	41 497	236
CLEANING AND BUILDING SERVICE OCCUPATIONS, EXCEPT HOUSEHOLD	836	4 182	3 241	5 270	5 167	961	21 816	2 345
PERSONAL SERVICE OCCUPATIONS	33	720	93	185	17 591	1 805	13 914	635
FARMING, FORESTRY, AND FISHING OCCUPATIONS	96	223	324	72	258	412	778	1 184
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS	10 172	24 734	872	16 190	1 539	524	6 354	2 579
MECHANICS AND REPAIRERS	5 330	12 545	210	13 696	185	341	1 233	1 375
AUTOMOBILE MECHANICS, INCLUDING BODY	811	8 233	12	8 706	34	33	146	376
ELECTRONIC REPAIRERS, COMMUNICATIONS AND INDUSTRIAL EQUIPMENT	143	669	20	755	-	8	209	95

TABLE 225. (A) OCCUPATION OF EMPLOYED PERSONS BY INDUSTRY, 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]

MINNESOTA

	TOTAL	AGRICULTURE, FORESTRY, AND FISHERIES	MINING	CONSTRUCTION	MANUFACTURING NONDURABLE GOODS	MANUFACTURING DURABLE GOODS	TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES
WHITE							
CONSTRUCTION TRADES	71 421	194	770	54 131	964	3 677	4 161
CARPENTERS	22 027	126	65	18 730	162	871	191
ELECTRICIANS	9 012	2	506	5 685	372	862	669
PAINTERS, CONSTRUCTION AND MAINTENANCE	5 336	14	29	3 723	64	611	112
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	7 158	9	37	4 874	253	420	427
OTHER CONSTRUCTION TRADES	27 888	43	133	21 119	113	913	2 762
EXTRACTIVE OCCUPATIONS	2 149	2	1 995	42	29	50	11
PRECISION PRODUCTION OCCUPATIONS	70 219	88	517	1 375	12 998	29 878	4 858
PRECISION METALWORKING OCCUPATIONS	15 809	5	250	994	1 211	11 476	619
MACHINISTS	8 735	5	212	64	759	6 678	494
PLANT AND SYSTEM OPERATORS	4 785	14	65	88	748	664	1 619
OTHER PRECISION PRODUCTION OCCUPATIONS	49 625	69	202	293	11 039	17 738	2 620
OPERATORS, FABRICATORS, AND LABORERS	289 160	1 457	5 133	18 537	55 951	89 541	40 658
MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS	139 640	342	1 173	2 047	38 103	74 722	2 704
MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION	81 726	265	438	655	31 717	33 377	1 403
METALWORKING AND PLASTIC WORKING MACHINE OPERATORS	10 680	7	33	83	375	9 614	84
PRINTING MACHINE OPERATORS	11 147	-	-	10	9 499	494	88
OTHER SPECIFIED MACHINE OPERATORS	34 024	105	405	256	12 954	10 716	440
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS	25 875	153	-	306	8 889	12 553	791
WELDERS AND CUTTERS	13 249	38	641	1 157	382	8 497	741
ASSEMBLERS	31 088	27	2	166	3 017	24 876	175
OTHER FABRICATORS AND HAND WORKING OCCUPATIONS	2 654	2	3	32	671	1 255	32
PRODUCTION INSPECTORS, TESTERS, SAMPLERS, AND WEIGHERS	10 923	10	89	37	2 316	6 717	353
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	75 146	696	2 461	7 178	6 728	6 124	30 737
MOTOR VEHICLE OPERATORS	56 299	607	1 190	2 618	4 374	2 775	25 715
TRUCK DRIVERS	41 491	582	1 160	2 574	3 263	2 676	18 604
OTHER TRANSPORTATION OCCUPATIONS	4 296	10	220	60	11	105	3 775
MATERIAL MOVING EQUIPMENT OPERATORS	14 551	79	1 051	4 500	2 343	3 244	1 247
HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS	74 374	419	1 499	9 312	11 120	8 695	7 217
FREIGHT, STOCK, AND MATERIAL HANDLERS	22 811	116	123	101	2 172	1 728	3 463
OTHER SPECIFIED HANDLERS, EQUIPMENT CLEANERS, AND HELPERS	20 360	97	847	667	3 738	2 408	796
LABORERS, INCLUDING CONSTRUCTION	31 203	206	529	8 544	5 210	4 559	2 958

TABLE 225. (B) OCCUPATION OF EMPLOYED PERSONS BY INDUSTRY, 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]

MINNESOTA	WHOLESALE TRADE	RETAIL TRADE	FINANCE, INSURANCE, AND REAL ESTATE	BUSINESS AND REPAIR SERVICES	PERSONAL SERVICES	ENTERTAIN-MENT AND RECREATION SERVICES	PROFESSIONAL AND RELATED SERVICES	PUBLIC ADMINISTRATION
WHITE								
CONSTRUCTION TRADES	1 134	2 356	372	670	230	102	1 891	769
CARPENTERS	107	535	108	99	115	46	639	233
ELECTRICIANS	149	151	-	119	-	27	367	103
PAINTERS, CONSTRUCTION AND MAINTENANCE	31	108	119	38	49	26	351	61
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	494	113	32	170	4	-	251	74
OTHER CONSTRUCTION TRADES	353	1 449	113	244	62	3	283	298
EXTRACTIVE OCCUPATIONS	-	-	-	-	-	-	5	15
PRECISION PRODUCTION OCCUPATIONS	3 708	9 833	290	1 824	1 124	81	3 225	420
PRECISION METALWORKING OCCUPATIONS	442	344	4	211	20	6	173	54
MACHINISTS	196	99	4	86	20	-	71	47
PLANT AND SYSTEM OPERATORS	58	42	115	50	178	11	1 014	119
OTHER PRECISION PRODUCTION OCCUPATIONS	3 208	9 447	171	1 563	926	64	2 038	247
OPERATORS, FABRICATORS, AND LABORERS	18 968	34 614	864	8 059	3 878	644	9 113	1 743
MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS	4 336	3 123	464	4 825	2 845	347	4 007	602
MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION	2 406	1 778	387	2 641	2 666	322	3 310	361
METALWORKING AND PLASTIC WORKING MACHINE OPERATORS	156	79	6	193	-	-	22	28
PRINTING MACHINE OPERATORS	131	127	147	243	95	-	275	38
OTHER SPECIFIED MACHINE OPERATORS	978	858	116	1 622	2 537	283	2 638	116
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS	1 141	714	118	583	34	39	375	179
WELDERS AND CUTTERS	382	94	25	1 158	7	1	83	43
ASSEMBLERS	879	758	12	611	52	24	443	46
OTHER FABRICATORS AND HAND WORKING OCCUPATIONS	97	194	18	283	6	-	18	43
PRODUCTION INSPECTORS, TESTERS, SAMPLERS, AND WEIGHERS	572	299	22	132	114	-	153	109
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	7 650	6 947	173	1 178	623	126	3 967	558
MOTOR VEHICLE OPERATORS	6 620	6 173	133	1 074	608	91	3 902	419
TRUCK DRIVERS	5 470	5 120	57	768	318	48	534	317
OTHER TRANSPORTATION OCCUPATIONS	11	14	18	12	8	8	36	8
MATERIAL MOVING EQUIPMENT OPERATORS	1 019	760	22	92	7	27	29	131
HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS	6 982	24 544	227	2 056	410	171	1 139	583
FREIGHT, STOCK, AND MATERIAL HANDLERS	1 619	13 048	39	106	88	35	132	41
OTHER SPECIFIED HANDLERS, EQUIPMENT CLEANERS, AND HELPERS	1 232	8 715	27	1 243	63	20	435	72
LABORERS, INCLUDING CONSTRUCTION	4 131	2 781	161	707	259	116	572	470

TABLE 225. (A) OCCUPATION OF EMPLOYED PERSONS BY INDUSTRY, 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]

MINNESOTA	TOTAL	AGRICULTURE, FORESTRY, AND FISHERIES	MINING	CONSTRUCTION	MANUFACTURING NON-DURABLE GOODS	MANUFACTURING DURABLE GOODS	TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES
BLACK							
EMPLOYED PERSONS 16 YEARS AND OVER	19 640	68	30	559	1 215	3 750	1 734
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS	4 448	32	-	15	214	588	109
EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS	1 964	15	-	9	107	302	72
OFFICIALS AND ADMINISTRATORS	1 197	-	-	9	84	196	40
SALARIED	1 157	-	-	9	84	196	40
SELF-EMPLOYED	40	-	-	-	-	-	-
MANAGEMENT RELATED OCCUPATIONS	767	15	-	-	23	106	32
ACCOUNTANTS AND AUDITORS	226	15	-	-	7	46	18
BUYERS AND PURCHASING AGENTS	40	-	-	-	6	12	-
PROFESSIONAL SPECIALTY OCCUPATIONS	2 484	17	-	6	107	286	37
ENGINEERS, ARCHITECTS, AND SURVEYORS	257	-	-	6	30	188	6
ENGINEERS	242	-	-	6	30	188	6
ELECTRICAL AND ELECTRONIC ENGINEERS	107	-	-	-	-	101	6
MECHANICAL ENGINEERS	36	-	-	-	11	25	-
OTHER ENGINEERS	99	-	-	6	19	62	-
MATHEMATICAL AND COMPUTER SCIENTISTS	94	-	-	-	13	37	-
COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS	88	-	-	-	13	31	-
NATURAL SCIENTISTS	75	12	-	-	12	5	7
HEALTH DIAGNOSING OCCUPATIONS	88	5	-	-	-	-	-
HEALTH ASSESSMENT AND TREATING OCCUPATIONS	228	-	-	-	6	-	-
REGISTERED NURSES	152	-	-	-	6	-	-
SOCIAL SCIENTISTS AND URBAN PLANNERS	69	-	-	-	7	11	-
WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES	242	-	-	-	39	29	24
OTHER PROFESSIONAL SPECIALTY OCCUPATIONS	1 431	-	-	-	-	16	-
TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS	6 213	-	-	50	263	916	657
TECHNICIANS AND RELATED SUPPORT OCCUPATIONS	751	-	-	-	30	353	22
HEALTH TECHNOLOGISTS AND TECHNICIANS	131	-	-	-	-	-	-
LICENSED PRACTICAL NURSES	52	-	-	-	-	-	-
ENGINEERING AND SCIENCE TECHNICIANS	309	-	-	-	10	185	5
ELECTRICAL AND ELECTRONIC TECHNICIANS	159	-	-	-	-	114	5
DRAFTING AND SURVEYING TECHNICIANS	55	-	-	-	-	22	-
TECHNICIANS, EXCEPT HEALTH, ENGINEERING, AND SCIENCE	311	-	-	-	20	168	17
COMPUTER PROGRAMMERS	153	-	-	-	20	112	2
SALES OCCUPATIONS	1 241	-	-	-	53	52	35
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS	136	-	-	-	-	-	-
SALES REPRESENTATIVES, COMMODITIES AND FINANCE	494	-	-	-	48	52	23
OTHER SALES OCCUPATIONS	611	-	-	-	5	-	12
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL	4 221	-	-	50	180	511	600
COMPUTER EQUIPMENT OPERATORS	123	-	-	-	-	52	5
SECRETARIES, STENOGRAPHERS, AND TYPISTS	754	-	-	15	44	103	64
FILE CLERKS	152	-	-	-	15	-	16
BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS	200	-	-	-	-	42	6
PAYROLL AND TIMEKEEPING CLERKS	52	-	-	-	-	-	25
TRAFFIC, SHIPPING, STOCK AND INVENTORY CLERKS	328	-	-	7	34	59	68
OTHER ADMINISTRATIVE SUPPORT OCCUPATIONS	2 612	-	-	28	87	255	416
SERVICE OCCUPATIONS	3 728	2	-	13	58	111	272
PRIVATE HOUSEHOLD OCCUPATIONS	26	-	-	-	-	-	-
PROTECTIVE SERVICE OCCUPATIONS	364	2	-	-	17	36	8
SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD	3 338	-	-	13	41	75	264
FOOD PREPARATION AND SERVICE OCCUPATIONS	762	-	-	-	5	3	32
HEALTH SERVICE OCCUPATIONS	761	-	-	-	-	-	-
CLEANING AND BUILDING SERVICE OCCUPATIONS, EXCEPT HOUSEHOLD	1 194	-	-	13	30	72	74
PERSONAL SERVICE OCCUPATIONS	621	-	-	-	6	-	158
FARMING, FORESTRY, AND FISHING OCCUPATIONS	74	34	-	-	-	-	-
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS	1 292	-	15	292	105	355	158
MECHANICS AND REPAIRERS	363	-	-	18	12	58	107
AUTOMOBILE MECHANICS, INCLUDING BODY	106	-	-	-	-	-	26
ELECTRONIC REPAIRERS, COMMUNICATIONS AND INDUSTRIAL EQUIPMENT	7	-	-	-	-	-	-

TABLE 225. (B) OCCUPATION OF EMPLOYED PERSONS BY INDUSTRY, 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]

MINNESOTA	WHOLESALE TRADE	RETAIL TRADE	FINANCE, INSURANCE, AND REAL ESTATE	BUSINESS AND REPAIR SERVICES	PERSONAL SERVICES	ENTERTAIN-MENT AND RECREATION SERVICES	PROFESSIONAL AND RELATED SERVICES	PUBLIC ADMINISTRATION
BLACK								
EMPLOYED PERSONS 16 YEARS AND OVER	646	1 873	1 468	927	662	288	5 028	1 392
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS	138	200	215	169	44	122	2 079	523
EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS	100	187	198	140	24	33	456	321
OFFICIALS AND ADMINISTRATORS	92	144	107	58	13	27	317	110
SALARIED	81	144	90	55	13	27	308	110
SELF-EMPLOYED	11	-	17	3	-	-	9	-
MANAGEMENT RELATED OCCUPATIONS	8	43	91	82	11	6	139	211
ACCOUNTANTS AND AUDITORS	8	21	13	10	-	6	37	45
BUYERS AND PURCHASING AGENTS	-	22	-	-	-	-	-	-
PROFESSIONAL SPECIALTY OCCUPATIONS	38	13	17	29	20	89	1 623	202
ENGINEERS, ARCHITECTS, AND SURVEYORS	-	-	-	-	-	-	27	-
ENGINEERS	-	-	-	-	-	-	12	-
ELECTRICAL AND ELECTRONIC ENGINEERS	-	-	-	-	-	-	-	-
MECHANICAL ENGINEERS	-	-	-	-	-	-	-	-
OTHER ENGINEERS	-	-	-	-	-	-	12	-
MATHEMATICAL AND COMPUTER SCIENTISTS	13	-	-	16	-	-	15	-
COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS	13	-	-	16	-	-	15	-
NATURAL SCIENTISTS	-	-	-	-	-	-	17	22
HEALTH DIAGNOSING OCCUPATIONS	-	-	-	-	-	-	77	6
HEALTH ASSESSMENT AND TREATING OCCUPATIONS	-	-	-	-	-	-	216	6
REGISTERED NURSES	-	-	-	-	-	-	146	-
SOCIAL SCIENTISTS AND URBAN PLANNERS	4	-	-	7	-	-	27	13
WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES	6	13	10	6	-	62	41	12
OTHER PROFESSIONAL SPECIALTY OCCUPATIONS	15	-	7	-	20	27	1 203	143
TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS	283	934	1 086	311	46	63	1 078	526
TECHNICIANS AND RELATED SUPPORT OCCUPATIONS	14	14	6	45	-	-	197	70
HEALTH TECHNOLOGISTS AND TECHNICIANS	-	-	-	-	-	-	131	-
LICENSED PRACTICAL NURSES	-	-	-	-	-	-	52	-
ENGINEERING AND SCIENCE TECHNICIANS	-	14	-	24	-	-	29	42
ELECTRICAL AND ELECTRONIC TECHNICIANS	-	14	-	11	-	-	-	15
DRAFTING AND SURVEYING TECHNICIANS	-	-	-	7	-	-	17	9
TECHNICIANS, EXCEPT HEALTH, ENGINEERING, AND SCIENCE	14	-	6	21	-	-	37	28
COMPUTER PROGRAMMERS	-	-	-	13	-	-	6	-
SALES OCCUPATIONS	100	647	251	42	30	-	31	-
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS	8	113	15	-	-	-	-	-
SALES REPRESENTATIVES, COMMODITIES AND FINANCE	86	-	236	42	-	-	7	-
OTHER SALES OCCUPATIONS	6	534	-	-	30	-	24	-
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL	169	273	829	224	16	63	850	456
COMPUTER EQUIPMENT OPERATORS	21	-	15	19	-	-	-	11
SECRETARIES, STENOGRAPHERS, AND TYPISTS	13	22	103	32	-	-	270	88
FILE CLERKS	-	-	23	21	-	-	46	31
BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS	-	25	76	-	6	-	32	13
PAYROLL AND TIMEKEEPING CLERKS	-	-	7	15	-	-	5	-
TRAFFIC, SHIPPING, STOCK AND INVENTORY CLERKS	32	57	5	7	5	24	22	8
OTHER ADMINISTRATIVE SUPPORT OCCUPATIONS	103	169	600	130	5	39	475	305
SERVICE OCCUPATIONS	12	477	90	267	417	99	1 675	235
PRIVATE HOUSEHOLD OCCUPATIONS	-	-	-	-	26	-	-	-
PROTECTIVE SERVICE OCCUPATIONS	5	9	32	78	-	-	12	165
SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD	7	468	58	189	391	99	1 663	70
FOOD PREPARATION AND SERVICE OCCUPATIONS	7	383	-	-	47	31	250	4
HEALTH SERVICE OCCUPATIONS	-	6	-	7	13	-	720	15
CLEANING AND BUILDING SERVICE OCCUPATIONS, EXCEPT HOUSEHOLD	-	79	58	145	160	29	505	29
PERSONAL SERVICE OCCUPATIONS	-	-	-	37	171	39	188	22
FARMING, FORESTRY, AND FISHING OCCUPATIONS	5	-	-	-	-	-	35	-
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS	32	82	27	105	3	4	57	57
MECHANICS AND REPAIRERS	7	27	21	76	-	4	13	20
AUTOMOBILE MECHANICS, INCLUDING BODY	-	19	8	49	-	-	-	4
ELECTRONIC REPAIRERS, COMMUNICATIONS AND INDUSTRIAL EQUIPMENT	-	-	-	7	-	-	-	-

TABLE 225. (A) OCCUPATION OF EMPLOYED PERSONS BY INDUSTRY, 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]

MINNESOTA	TOTAL	AGRICULTURE, FORESTRY, AND FISHERIES	MINING	CONSTRUCTION	MANUFACTURING NON-DURABLE GOODS	MANUFACTURING DURABLE GOODS	TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES
BLACK							
CONSTRUCTION TRADES	397	-	-	272	-	40	31
CARPENTERS	77	-	-	66	-	-	-
ELECTRICIANS	81	-	-	35	-	22	24
PAINTERS, CONSTRUCTION AND MAINTENANCE	66	-	-	24	-	7	-
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	55	-	-	37	-	11	7
OTHER CONSTRUCTION TRADES	118	-	-	110	-	-	-
EXTRACTIVE OCCUPATIONS	17	-	11	-	-	6	-
PRECISION PRODUCTION OCCUPATIONS	515	-	4	2	93	251	20
PRECISION METALWORKING OCCUPATIONS	109	-	-	2	35	72	-
MACHINISTS	80	-	-	-	15	65	-
PLANT AND SYSTEM OPERATORS	31	-	-	-	-	-	8
OTHER PRECISION PRODUCTION OCCUPATIONS	375	-	4	-	58	179	12
OPERATORS, FABRICATORS, AND LABORERS	3 885	-	15	189	575	1 780	538
MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS	2 232	-	-	28	359	1 484	32
MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION	1 133	-	-	19	274	550	17
METALWORKING AND PLASTIC WORKING MACHINE OPERATORS	153	-	-	-	-	139	-
PRINTING MACHINE OPERATORS	98	-	-	-	64	-	7
OTHER SPECIFIED MACHINE OPERATORS	437	-	-	10	122	135	10
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS	445	-	-	9	88	276	-
WELDERS AND CUTTERS	124	-	-	-	-	122	-
ASSEMBLERS	781	-	-	9	35	693	8
OTHER FABRICATORS AND HAND WORKING OCCUPATIONS	61	-	-	-	15	39	-
PRODUCTION INSPECTORS, TESTERS, SAMPLERS, AND WEIGHERS	133	-	-	-	35	80	7
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	686	-	9	63	51	104	338
MOTOR VEHICLE OPERATORS	447	-	5	50	13	11	288
TRUCK DRIVERS	153	-	5	50	13	11	54
OTHER TRANSPORTATION OCCUPATIONS	29	-	4	-	-	-	25
MATERIAL MOVING EQUIPMENT OPERATORS	210	-	-	13	38	93	25
HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS	967	-	6	98	165	192	168
FREIGHT, STOCK, AND MATERIAL HANDLERS	195	-	-	-	14	23	50
OTHER SPECIFIED HANDLERS, EQUIPMENT CLEANERS, AND HELPERS	277	-	6	18	71	85	19
LABORERS, INCLUDING CONSTRUCTION	495	-	-	80	80	84	99

TABLE 225. (B) OCCUPATION OF EMPLOYED PERSONS BY INDUSTRY, 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]

MINNESOTA	WHOLESALE TRADE	RETAIL TRADE	FINANCE, INSURANCE, AND REAL ESTATE	BUSINESS AND REPAIR SERVICES	PERSONAL SERVICES	ENTERTAIN-MENT AND RECREATION SERVICES	PROFESSIONAL AND RELATED SERVICES	PUBLIC ADMINISTRATION
BLACK								
CONSTRUCTION TRADES	14	8	-	7	-	-	10	15
CARPENTERS	-	-	-	-	-	-	2	9
ELECTRICIANS	-	-	-	-	-	-	-	-
PAINTERS, CONSTRUCTION AND MAINTENANCE	14	-	-	7	-	-	8	6
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	-	-	-	-	-	-	-	-
OTHER CONSTRUCTION TRADES	-	8	-	-	-	-	-	-
EXTRACTIVE OCCUPATIONS	-	-	-	-	-	-	-	-
PRECISION PRODUCTION OCCUPATIONS	11	47	6	22	3	-	34	22
PRECISION METALWORKING OCCUPATIONS	-	-	-	-	-	-	-	-
MACHINISTS	-	-	-	-	-	-	-	-
PLANT AND SYSTEM OPERATORS	-	-	6	-	-	-	7	10
OTHER PRECISION PRODUCTION OCCUPATIONS	11	47	-	22	3	-	27	12
OPERATORS, FABRICATORS, AND LABORERS	176	180	50	75	152	-	104	51
MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS	84	20	15	21	124	-	43	22
MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION	49	20	15	17	124	-	26	22
METALWORKING AND PLASTIC WORKING MACHINE OPERATORS	6	-	-	2	-	-	-	6
PRINTING MACHINE OPERATORS	-	9	15	-	3	-	-	-
OTHER SPECIFIED MACHINE OPERATORS	15	-	-	-	121	-	14	10
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS	28	11	-	15	-	-	12	6
WELDERS AND CUTTERS	2	-	-	-	-	-	-	-
ASSEMBLERS	19	-	-	4	-	-	13	-
OTHER FABRICATORS AND HAND WORKING OCCUPATIONS	7	-	-	-	-	-	-	-
PRODUCTION INSPECTORS, TESTERS, SAMPLERS, AND WEIGHERS	7	-	-	-	-	-	4	-
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	49	17	22	9	9	-	11	4
MOTOR VEHICLE OPERATORS	8	17	22	9	9	-	11	4
TRUCK DRIVERS	8	4	-	4	-	-	-	4
OTHER TRANSPORTATION OCCUPATIONS	-	-	-	-	-	-	-	-
MATERIAL MOVING EQUIPMENT OPERATORS	41	-	-	-	-	-	-	-
HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS	43	143	13	45	19	-	50	25
FREIGHT, STOCK, AND MATERIAL HANDLERS	19	75	-	9	5	-	-	-
OTHER SPECIFIED HANDLERS, EQUIPMENT CLEANERS, AND HELPERS	-	38	-	11	-	-	22	7
LABORERS, INCLUDING CONSTRUCTION	24	30	13	25	14	-	28	18

TABLE 225. (A) OCCUPATION OF EMPLOYED PERSONS BY INDUSTRY, 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]

MINNESOTA	TOTAL	AGRICULTURE, FORESTRY, AND FISHERIES	MINING	CONSTRUCTION	MANUFACTURING NON-DURABLE GOODS	MANUFACTURING DURABLE GOODS	TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES
AMERICAN INDIAN, ESKIMO, ALEUT							
EMPLOYED PERSONS 16 YEARS AND OVER	9 940	162	90	562	665	1 431	693
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS	1 460	4	-	17	26	78	38
EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS	565	-	-	6	14	47	15
OFFICIALS AND ADMINISTRATORS	460	-	-	2	11	39	9
SALARIED	417	-	-	2	11	36	9
SELF-EMPLOYED	43	-	-	-	-	3	-
MANAGEMENT RELATED OCCUPATIONS	105	-	-	4	3	8	6
ACCOUNTANTS AND AUDITORS	17	-	-	4	-	-	-
BUYERS AND PURCHASING AGENTS	3	-	-	-	3	-	-
PROFESSIONAL SPECIALTY OCCUPATIONS	895	4	-	11	12	31	23
ENGINEERS, ARCHITECTS, AND SURVEYORS	50	-	-	8	-	19	9
ENGINEERS	40	-	-	-	-	19	9
ELECTRICAL AND ELECTRONIC ENGINEERS	18	-	-	-	-	9	9
MECHANICAL ENGINEERS	12	-	-	-	-	6	-
OTHER ENGINEERS	10	-	-	-	-	4	-
MATHEMATICAL AND COMPUTER SCIENTISTS	22	-	-	-	7	1	7
COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS	13	-	-	-	7	1	-
NATURAL SCIENTISTS	45	2	-	3	-	-	-
HEALTH DIAGNOSING OCCUPATIONS	18	-	-	-	-	-	-
HEALTH ASSESSMENT AND TREATING OCCUPATIONS	62	-	-	-	-	-	-
REGISTERED NURSES	47	-	-	-	-	-	-
SOCIAL SCIENTISTS AND URBAN PLANNERS	24	-	-	-	-	-	7
WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES	55	2	-	-	5	5	-
OTHER PROFESSIONAL SPECIALTY OCCUPATIONS	619	-	-	-	-	6	-
TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS	2 428	12	2	54	114	171	198
TECHNICIANS AND RELATED SUPPORT OCCUPATIONS	220	7	-	16	7	55	7
HEALTH TECHNOLOGISTS AND TECHNICIANS	88	-	-	-	-	-	-
LICENSED PRACTICAL NURSES	59	-	-	-	-	-	-
ENGINEERING AND SCIENCE TECHNICIANS	50	7	-	6	7	27	-
ELECTRICAL AND ELECTRONIC TECHNICIANS	9	-	-	-	3	6	-
DRAFTING AND SURVEYING TECHNICIANS	12	5	-	-	2	2	-
TECHNICIANS, EXCEPT HEALTH, ENGINEERING, AND SCIENCE	82	-	-	10	-	28	7
COMPUTER PROGRAMMERS	21	-	-	-	-	21	-
SALES OCCUPATIONS	431	-	-	8	14	-	16
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS	83	-	-	-	-	-	5
SALES REPRESENTATIVES, COMMODITIES AND FINANCE	46	-	-	8	2	-	4
OTHER SALES OCCUPATIONS	302	-	-	-	12	-	7
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL	1 777	5	2	30	93	116	175
COMPUTER EQUIPMENT OPERATORS	10	-	-	-	-	-	5
SECRETARIES, STENOGRAPHERS, AND TYPISTS	485	-	-	20	16	20	24
FILE CLERKS	15	-	-	-	-	-	-
BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS	179	-	-	2	2	8	13
PAYROLL AND TIMEKEEPING CLERKS	22	-	-	-	-	-	-
TRAFFIC, SHIPPING, STOCK AND INVENTORY CLERKS	151	-	2	-	32	41	21
OTHER ADMINISTRATIVE SUPPORT OCCUPATIONS	915	5	-	8	43	47	112
SERVICE OCCUPATIONS	2 202	6	6	11	12	47	16
PRIVATE HOUSEHOLD OCCUPATIONS	68	-	-	-	-	-	-
PROTECTIVE SERVICE OCCUPATIONS	137	-	-	-	5	7	-
SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD	1 997	6	6	11	7	40	16
FOOD PREPARATION AND SERVICE OCCUPATIONS	678	-	-	-	6	-	-
HEALTH SERVICE OCCUPATIONS	401	-	-	-	-	2	-
CLEANING AND BUILDING SERVICE OCCUPATIONS, EXCEPT HOUSEHOLD	631	6	6	11	1	38	2
PERSONAL SERVICE OCCUPATIONS	287	-	-	-	-	-	14
FARMING, FORESTRY, AND FISHING OCCUPATIONS	240	98	-	-	-	76	-
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS	1 129	2	49	299	124	182	93
MECHANICS AND REPAIRERS	298	-	39	27	36	28	43
AUTOMOBILE MECHANICS, INCLUDING BODY	90	-	2	3	-	-	2
ELECTRONIC REPAIRERS, COMMUNICATIONS AND INDUSTRIAL EQUIPMENT	7	-	-	-	-	-	-

TABLE 225. (B) OCCUPATION OF EMPLOYED PERSONS BY INDUSTRY, 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]

MINNESOTA	WHOLESALE TRADE	RETAIL TRADE	FINANCE, INSURANCE, AND REAL ESTATE	BUSINESS AND REPAIR SERVICES	PERSONAL SERVICES	ENTERTAIN-MENT AND RECREATION SERVICES	PROFESSIONAL AND RELATED SERVICES	PUBLIC ADMINISTRATION
AMERICAN INDIAN, ESKIMO, ALEUT								
EMPLOYED PERSONS 16 YEARS AND OVER	265	1 224	282	405	362	77	2 454	1 268
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS	14	94	60	22	37	17	731	322
EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS	9	77	60	14	27	15	91	190
OFFICIALS AND ADMINISTRATORS	6	72	35	2	27	15	76	166
SALARIED	3	66	35	2	11	2	74	166
SELF-EMPLOYED	3	6	-	-	16	13	2	-
MANAGEMENT RELATED OCCUPATIONS	3	5	25	12	-	-	15	24
ACCOUNTANTS AND AUDITORS	-	5	5	-	-	-	-	3
BUYERS AND PURCHASING AGENTS	-	-	-	-	-	-	-	-
PROFESSIONAL SPECIALTY OCCUPATIONS	5	17	-	8	10	2	640	132
ENGINEERS, ARCHITECTS, AND SURVEYORS	-	-	-	-	-	-	10	4
ENGINEERS	-	-	-	-	-	-	10	2
ELECTRICAL AND ELECTRONIC ENGINEERS	-	-	-	-	-	-	-	-
MECHANICAL ENGINEERS	-	-	-	-	-	-	6	-
OTHER ENGINEERS	-	-	-	-	-	-	4	2
MATHEMATICAL AND COMPUTER SCIENTISTS	-	-	-	5	-	-	2	-
COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS	-	-	-	5	-	-	-	-
NATURAL SCIENTISTS	-	-	-	-	-	-	7	33
HEALTH DIAGNOSING OCCUPATIONS	-	-	-	-	-	-	18	-
HEALTH ASSESSMENT AND TREATING OCCUPATIONS	-	2	-	-	5	-	50	5
REGISTERED NURSES	-	-	-	-	5	-	40	2
SOCIAL SCIENTISTS AND URBAN PLANNERS	5	-	-	-	-	-	-	12
WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES	-	15	-	3	2	2	17	4
OTHER PROFESSIONAL SPECIALTY OCCUPATIONS	-	-	-	-	3	-	536	74
TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS	79	426	183	78	27	28	560	496
TECHNICIANS AND RELATED SUPPORT OCCUPATIONS	-	1	11	-	-	-	90	26
HEALTH TECHNOLOGISTS AND TECHNICIANS	-	-	-	-	-	-	86	2
LICENSED PRACTICAL NURSES	-	-	-	-	-	-	57	2
ENGINEERING AND SCIENCE TECHNICIANS	-	1	-	-	-	-	2	-
ELECTRICAL AND ELECTRONIC TECHNICIANS	-	-	-	-	-	-	-	-
DRAFTING AND SURVEYING TECHNICIANS	-	1	-	-	-	-	2	-
TECHNICIANS, EXCEPT HEALTH, ENGINEERING, AND SCIENCE	-	-	11	-	-	-	2	24
COMPUTER PROGRAMMERS	-	-	-	-	-	-	-	-
SALES OCCUPATIONS	21	347	9	7	-	-	9	-
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS	-	78	-	-	-	-	-	-
SALES REPRESENTATIVES, COMMODITIES AND FINANCE	21	-	9	2	-	-	-	-
OTHER SALES OCCUPATIONS	-	269	-	5	-	-	9	-
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL	58	78	163	71	27	28	461	470
COMPUTER EQUIPMENT OPERATORS	-	-	5	-	-	-	-	-
SECRETARIES, STENOGRAPHERS, AND TYPISTS	8	8	13	22	7	9	177	161
FILE CLERKS	-	-	5	7	-	-	-	3
BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS	-	18	32	10	5	6	60	23
PAYROLL AND TIMEKEEPING CLERKS	-	-	-	-	-	-	3	19
TRAFFIC, SHIPPING, STOCK AND INVENTORY CLERKS	18	17	-	-	-	-	20	-
OTHER ADMINISTRATIVE SUPPORT OCCUPATIONS	32	35	108	32	15	13	201	264
SERVICE OCCUPATIONS	4	462	21	147	243	32	995	200
PRIVATE HOUSEHOLD OCCUPATIONS	-	-	-	-	68	-	-	-
PROTECTIVE SERVICE OCCUPATIONS	-	2	-	24	-	-	27	72
SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD	4	460	21	123	175	32	968	128
FOOD PREPARATION AND SERVICE OCCUPATIONS	-	440	-	-	31	9	166	26
HEALTH SERVICE OCCUPATIONS	-	-	-	12	-	-	366	21
CLEANING AND BUILDING SERVICE OCCUPATIONS, EXCEPT HOUSEHOLD	4	20	21	111	60	4	281	66
PERSONAL SERVICE OCCUPATIONS	-	-	-	-	84	19	155	15
FARMING, FORESTRY, AND FISHING OCCUPATIONS	-	-	6	-	-	-	7	53
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS	48	90	2	77	12	-	43	108
MECHANICS AND REPAIRERS	18	34	-	62	-	-	1	10
AUTOMOBILE MECHANICS, INCLUDING BODY	-	28	-	44	-	-	1	10
ELECTRONIC REPAIRERS, COMMUNICATIONS AND INDUSTRIAL EQUIPMENT	5	-	-	2	-	-	-	-

TABLE 225. (A) OCCUPATION OF EMPLOYED PERSONS BY INDUSTRY, 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]

MINNESOTA	TOTAL	AGRICULTURE, FORESTRY, AND FISHERIES	MINING	CONSTRUCTION	MANUFACTURING NON-DURABLE GOODS	MANUFACTURING DURABLE GOODS	TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES
AMERICAN INDIAN, ESKIMO, ALEUT							
CONSTRUCTION TRADES	448	2	5	270	7	17	25
CARPENTERS	218	2	-	110	7	12	-
ELECTRICIANS	16	-	-	14	-	-	-
PAINTERS, CONSTRUCTION AND MAINTENANCE	40	-	-	18	-	2	-
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	47	-	5	31	-	3	4
OTHER CONSTRUCTION TRADES	127	-	-	97	-	-	21
EXTRACTIVE OCCUPATIONS	-	-	-	-	-	-	-
PRECISION PRODUCTION OCCUPATIONS	383	-	5	2	81	137	25
PRECISION METALWORKING OCCUPATIONS	116	-	-	-	41	70	-
MACHINISTS	88	-	-	-	38	50	-
PLANT AND SYSTEM OPERATORS	31	-	-	2	2	4	10
OTHER PRECISION PRODUCTION OCCUPATIONS	236	-	5	-	38	63	15
OPERATORS, FABRICATORS, AND LABORERS	2 481	40	33	181	389	877	348
MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS	1 234	2	-	2	244	759	22
MACHINE OPERATORS AND TENDERS, *EXCEPT PRECISION*	716	-	-	-	186	369	16
METALWORKING AND PLASTIC WORKING MACHINE OPERATORS	100	-	-	-	-	100	-
PRINTING MACHINE OPERATORS	41	-	-	-	30	-	-
OTHER SPECIFIED MACHINE OPERATORS	303	-	-	-	96	109	-
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS	272	-	-	-	60	160	16
WELDERS AND CUTTERS	81	2	-	-	3	66	-
ASSEMBLERS	343	-	-	-	23	279	6
OTHER FABRICATORS AND HAND WORKING OCCUPATIONS	11	-	-	-	-	-	-
PRODUCTION INSPECTORS, TESTERS, SAMPLERS, AND WEIGHERS	83	-	-	2	32	45	-
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	512	17	30	45	26	24	243
MOTOR VEHICLE OPERATORS	407	17	21	27	14	10	223
TRUCK DRIVERS	267	17	21	27	2	8	118
OTHER TRANSPORTATION OCCUPATIONS	32	-	3	-	-	2	20
MATERIAL MOVING EQUIPMENT OPERATORS	73	-	6	18	12	12	-
HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS	735	21	3	134	119	94	83
FREIGHT, STOCK, AND MATERIAL HANDLERS	131	-	3	-	17	24	26
OTHER SPECIFIED HANDLERS, EQUIPMENT CLEANERS, AND HELPERS	150	-	-	33	41	18	-
LABORERS, INCLUDING CONSTRUCTION	454	21	-	101	61	52	57

TABLE 225. (B) OCCUPATION OF EMPLOYED PERSONS BY INDUSTRY, 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]

MINNESOTA	WHOLESALE TRADE	RETAIL TRADE	FINANCE, INSURANCE, AND REAL ESTATE	BUSINESS AND REPAIR SERVICES	PERSONAL SERVICES	ENTERTAIN-MENT AND RECREATION SERVICES	PROFESSIONAL AND RELATED SERVICES	PUBLIC ADMINISTRATION
AMERICAN INDIAN, ESKIMO, ALEUT								
CONSTRUCTION TRADES	-	5	2	8	-	-	27	80
CARPENTERS	-	-	2	-	-	-	21	64
ELECTRICIANS	-	-	-	-	-	-	-	2
PAINTERS, CONSTRUCTION AND MAINTENANCE	-	-	-	8	-	-	6	6
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	-	-	-	-	-	-	-	4
OTHER CONSTRUCTION TRADES	-	5	-	-	-	-	-	4
EXTRACTIVE OCCUPATIONS	-	-	-	-	-	-	-	-
PRECISION PRODUCTION OCCUPATIONS	30	51	-	7	12	-	15	18
PRECISION METALWORKING OCCUPATIONS	-	5	-	-	-	-	-	-
MACHINISTS	-	-	-	-	-	-	-	-
PLANT AND SYSTEM OPERATORS	-	-	-	-	-	-	5	8
OTHER PRECISION PRODUCTION OCCUPATIONS	30	46	-	7	12	-	10	10
OPERATORS, FABRICATORS, AND LABORERS	120	152	10	81	43	-	118	89
MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS	49	38	4	36	26	-	37	15
MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION	24	30	-	13	26	-	37	15
METALWORKING AND PLASTIC WORKING MACHINE OPERATORS	-	-	-	-	-	-	-	-
PRINTING MACHINE OPERATORS	-	5	-	-	-	-	-	6
OTHER SPECIFIED MACHINE OPERATORS	2	21	-	5	26	-	37	7
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS	22	4	-	8	-	-	-	2
WELDERS AND CUTTERS	6	-	-	4	-	-	-	-
ASSEMBLERS	19	8	-	8	-	-	-	-
OTHER FABRICATORS AND HAND WORKING OCCUPATIONS	-	-	-	11	-	-	-	-
PRODUCTION INSPECTORS, TESTERS, SAMPLERS, AND WEIGHERS	-	-	4	-	-	-	-	-
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	32	29	6	5	7	-	27	21
MOTOR VEHICLE OPERATORS	18	23	6	5	-	-	27	16
TRUCK DRIVERS	18	23	-	5	-	-	15	13
OTHER TRANSPORTATION OCCUPATIONS	-	-	-	-	7	-	-	-
MATERIAL MOVING EQUIPMENT OPERATORS	14	6	-	-	-	-	-	5
HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS	39	85	-	40	10	-	54	53
FREIGHT, STOCK, AND MATERIAL HANDLERS	20	41	-	-	-	-	-	-
OTHER SPECIFIED HANDLERS, EQUIPMENT CLEANERS, AND HELPERS	-	30	-	15	-	-	7	6
LABORERS, INCLUDING CONSTRUCTION	19	14	-	25	10	-	47	47

TABLE 225. (A) OCCUPATION OF EMPLOYED PERSONS BY INDUSTRY, 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]

MINNESOTA	TOTAL	AGRICULTURE, FORESTRY, AND FISHERIES	MINING	CONSTRUCTION	MANUFACTURING NON-DURABLE GOODS	MANUFACTURING DURABLE GOODS	TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES
ASIAN AND PACIFIC ISLANDER							
EMPLOYED PERSONS 16 YEARS AND OVER	11 272	92	54	94	834	2 579	381
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS	3 541	-	7	13	207	623	53
EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS	1 032	-	-	2	56	174	23
OFFICIALS AND ADMINISTRATORS	676	-	-	2	36	97	9
SALARIED	620	-	-	2	36	92	9
SELF-EMPLOYED	56	-	-	-	-	5	-
MANAGEMENT RELATED OCCUPATIONS	356	-	-	-	20	77	14
ACCOUNTANTS AND AUDITORS	249	-	-	-	17	65	6
BUYERS AND PURCHASING AGENTS	12	-	-	-	-	-	-
PROFESSIONAL SPECIALTY OCCUPATIONS	2 509	-	7	11	151	449	30
ENGINEERS, ARCHITECTS, AND SURVEYORS	506	-	7	6	40	347	8
ENGINEERS	495	-	7	6	40	347	8
ELECTRICAL AND ELECTRONIC ENGINEERS	131	-	-	-	-	131	-
MECHANICAL ENGINEERS	97	-	-	-	-	92	-
OTHER ENGINEERS	267	-	7	6	40	124	8
MATHEMATICAL AND COMPUTER SCIENTISTS	149	-	-	-	5	84	16
COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS	100	-	-	-	5	68	9
NATURAL SCIENTISTS	121	-	-	-	50	16	-
HEALTH DIAGNOSING OCCUPATIONS	399	-	-	-	-	-	-
HEALTH ASSESSMENT AND TREATING OCCUPATIONS	213	-	-	-	-	-	-
REGISTERED NURSES	199	-	-	-	-	-	-
SOCIAL SCIENTISTS AND URBAN PLANNERS	45	-	-	-	12	-	-
WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES	254	-	-	5	44	-	6
OTHER PROFESSIONAL SPECIALTY OCCUPATIONS	822	-	-	-	-	2	-
TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS	3 060	27	-	7	103	547	185
TECHNICIANS AND RELATED SUPPORT OCCUPATIONS	928	10	-	-	40	343	11
HEALTH TECHNOLOGISTS AND TECHNICIANS	177	-	-	-	-	-	-
LICENSED PRACTICAL NURSES	7	-	-	-	-	-	-
ENGINEERING AND SCIENCE TECHNICIANS	224	10	-	-	14	132	-
ELECTRICAL AND ELECTRONIC TECHNICIANS	85	-	-	-	-	72	-
DRAFTING AND SURVEYING TECHNICIANS	26	-	-	-	-	24	-
TECHNICIANS, EXCEPT HEALTH, ENGINEERING, AND SCIENCE	527	-	-	-	26	211	11
COMPUTER PROGRAMMERS	294	-	-	-	12	166	11
SALES OCCUPATIONS	592	17	-	-	17	15	15
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS	43	-	-	-	-	-	-
SALES REPRESENTATIVES, COMMODITIES AND FINANCE	174	17	-	-	7	15	15
OTHER SALES OCCUPATIONS	375	-	-	-	10	-	-
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL	1 540	-	-	7	46	189	159
COMPUTER EQUIPMENT OPERATORS	118	-	-	-	5	42	-
SECRETARIES, STENOGRAPHERS, AND TYPISTS	257	-	-	-	11	20	17
FILE CLERKS	52	-	-	-	-	-	4
BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS	170	-	-	4	6	30	14
PAYROLL AND TIMEKEEPING CLERKS	15	-	-	-	-	6	9
TRAFFIC, SHIPPING, STOCK AND INVENTORY CLERKS	119	-	-	-	4	24	14
OTHER ADMINISTRATIVE SUPPORT OCCUPATIONS	809	-	-	3	20	67	101
SERVICE OCCUPATIONS	1 962	-	-	-	18	22	53
PRIVATE HOUSEHOLD OCCUPATIONS	2	-	-	-	-	-	-
PROTECTIVE SERVICE OCCUPATIONS	34	-	-	-	-	-	-
SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD	1 926	-	-	-	18	22	53
FOOD PREPARATION AND SERVICE OCCUPATIONS	1 100	-	-	-	2	-	-
HEALTH SERVICE OCCUPATIONS	242	-	-	-	-	-	-
CLEANING AND BUILDING SERVICE OCCUPATIONS, EXCEPT HOUSEHOLD	389	-	-	-	16	22	11
PERSONAL SERVICE OCCUPATIONS	195	-	-	-	-	-	42
FARMING, FORESTRY, AND FISHING OCCUPATIONS	61	61	-	-	-	-	-
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS	692	-	26	48	64	286	29
MECHANICS AND REPAIRERS	174	-	-	-	7	56	11
AUTOMOBILE MECHANICS, INCLUDING BODY	64	-	-	-	-	6	-
ELECTRONIC REPAIRERS, COMMUNICATIONS AND INDUSTRIAL EQUIPMENT	13	-	-	-	-	-	-

TABLE 225. (B) OCCUPATION OF EMPLOYED PERSONS BY INDUSTRY, 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]

MINNESOTA	WHOLESALE TRADE	RETAIL TRADE	FINANCE, INSURANCE, AND REAL ESTATE	BUSINESS AND REPAIR SERVICES	PERSONAL SERVICES	ENTERTAIN-MENT AND RECREATION SERVICES	PROFESSIONAL AND RELATED SERVICES	PUBLIC ADMINISTRATION
ASIAN AND PACIFIC ISLANDER								
EMPLOYED PERSONS 16 YEARS AND OVER	425	1 934	566	413	224	79	3 293	304
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS	94	284	124	153	43	59	1 768	113
EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS	73	238	89	85	35	6	212	39
OFFICIALS AND ADMINISTRATORS	52	204	15	59	29	-	173	-
SALARIED	50	173	15	49	21	-	173	-
SELF-EMPLOYED	2	31	-	10	8	-	-	-
MANAGEMENT RELATED OCCUPATIONS	21	34	74	26	6	6	39	39
ACCOUNTANTS AND AUDITORS	21	28	35	19	6	-	27	25
BUYERS AND PURCHASING AGENTS	-	6	-	-	-	-	-	6
PROFESSIONAL SPECIALTY OCCUPATIONS	21	46	35	68	8	53	1 556	74
ENGINEERS, ARCHITECTS, AND SURVEYORS	15	23	-	11	-	-	49	-
ENGINEERS	15	23	-	11	-	-	38	-
ELECTRICAL AND ELECTRONIC ENGINEERS	-	-	-	-	-	-	-	-
MECHANICAL ENGINEERS	-	-	-	-	-	-	5	-
OTHER ENGINEERS	15	23	-	11	-	-	33	-
MATHEMATICAL AND COMPUTER SCIENTISTS	6	6	10	18	-	-	4	-
COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS	-	-	-	18	-	-	-	-
NATURAL SCIENTISTS	-	-	-	6	-	-	45	4
HEALTH DIAGNOSING OCCUPATIONS	-	-	14	5	-	-	380	-
HEALTH ASSESSMENT AND TREATING OCCUPATIONS	-	-	-	-	-	-	213	-
REGISTERED NURSES	-	-	-	-	-	-	199	-
SOCIAL SCIENTISTS AND URBAN PLANNERS	-	-	6	-	-	-	10	17
WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES	-	17	-	28	8	53	88	5
OTHER PROFESSIONAL SPECIALTY OCCUPATIONS	-	-	5	-	-	-	767	48
TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS	214	491	407	135	14	9	803	118
TECHNICIANS AND RELATED SUPPORT OCCUPATIONS	37	1	24	36	-	-	390	36
HEALTH TECHNOLOGISTS AND TECHNICIANS	-	-	4	-	-	-	173	-
LICENSED PRACTICAL NURSES	-	-	-	-	-	-	7	-
ENGINEERING AND SCIENCE TECHNICIANS	6	-	-	4	-	-	50	8
ELECTRICAL AND ELECTRONIC TECHNICIANS	6	-	-	4	-	-	3	-
DRAFTING AND SURVEYING TECHNICIANS	-	-	-	-	-	-	-	2
TECHNICIANS, EXCEPT HEALTH, ENGINEERING, AND SCIENCE	31	1	20	32	-	-	167	28
COMPUTER PROGRAMMERS	26	1	20	20	-	-	25	13
SALES OCCUPATIONS	52	355	79	10	14	-	18	-
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS	3	34	6	-	-	-	-	-
SALES REPRESENTATIVES, COMMODITIES AND FINANCE	43	-	67	10	-	-	-	-
OTHER SALES OCCUPATIONS	6	321	6	-	14	-	18	-
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL	125	135	304	89	-	9	395	82
COMPUTER EQUIPMENT OPERATORS	17	6	-	31	-	-	17	-
SECRETARIES, STENOGRAPHERS, AND TYPISTS	13	-	36	15	-	-	107	38
FILE CLERKS	-	2	5	-	-	-	41	-
BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS	19	16	24	4	-	9	23	21
PAYROLL AND TIMEKEEPING CLERKS	-	-	-	-	-	-	-	-
TRAFFIC, SHIPPING, STOCK AND INVENTORY CLERKS	23	40	7	-	-	-	7	-
OTHER ADMINISTRATIVE SUPPORT OCCUPATIONS	53	71	232	39	-	-	200	23
SERVICE OCCUPATIONS	8	939	30	63	111	5	660	53
PRIVATE HOUSEHOLD OCCUPATIONS	-	-	-	-	2	-	-	-
PROTECTIVE SERVICE OCCUPATIONS	-	6	-	7	-	-	-	21
SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD	8	933	30	56	109	5	660	32
FOOD PREPARATION AND SERVICE OCCUPATIONS	8	890	-	6	31	-	161	2
HEALTH SERVICE OCCUPATIONS	-	-	-	8	-	-	227	7
CLEANING AND BUILDING SERVICE OCCUPATIONS, EXCEPT HOUSEHOLD	-	43	30	35	27	3	190	12
PERSONAL SERVICE OCCUPATIONS	-	-	-	7	51	2	82	11
FARMING, FORESTRY, AND FISHING OCCUPATIONS	-	-	-	-	-	-	-	-
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS	28	138	-	38	4	6	25	-
MECHANICS AND REPAIRERS	6	50	-	38	-	6	-	-
AUTOMOBILE MECHANICS, INCLUDING BODY	6	32	-	20	-	-	-	-
ELECTRONIC REPAIRERS, COMMUNICATIONS AND INDUSTRIAL EQUIPMENT	-	6	-	7	-	-	-	-

TABLE 225. (A) OCCUPATION OF EMPLOYED PERSONS BY INDUSTRY, 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]

MINNESOTA	TOTAL	AGRICULTURE, FORESTRY, AND FISHERIES	MINING	CONSTRUCTION	MANUFACTURING NON-DURABLE GOODS	MANUFACTURING DURABLE GOODS	TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES
ASIAN AND PACIFIC ISLANDER							
CONSTRUCTION TRADES	76	-	7	48	-	12	2
CARPENTERS	15	-	-	13	-	2	-
ELECTRICIANS	15	-	7	1	-	-	-
PAINTERS, CONSTRUCTION AND MAINTENANCE	15	-	-	5	-	10	-
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	-	-	-	-	-	-	-
OTHER CONSTRUCTION TRADES	31	-	-	29	-	-	2
EXTRACTIVE OCCUPATIONS	17	-	17	-	-	-	-
PRECISION PRODUCTION OCCUPATIONS	425	-	2	-	57	218	16
PRECISION METALWORKING OCCUPATIONS	65	-	-	-	-	58	2
MACHINISTS	43	-	-	-	-	41	2
PLANT AND SYSTEM OPERATORS	2	-	2	-	-	-	-
OTHER PRECISION PRODUCTION OCCUPATIONS	358	-	-	-	57	160	14
OPERATORS, FABRICATORS, AND LABORERS	1 956	4	21	26	442	1 101	61
MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS	1 586	-	8	5	346	1 035	13
MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION	724	-	8	5	261	311	-
METALWORKING AND PLASTIC WORKING MACHINE OPERATORS	121	-	2	-	-	119	-
PRINTING MACHINE OPERATORS	31	-	-	-	25	-	-
OTHER SPECIFIED MACHINE OPERATORS	279	-	6	5	108	60	-
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS	293	-	-	-	128	132	-
WELDERS AND CUTTERS	49	-	-	-	2	40	-
ASSEMBLERS	689	-	-	-	32	617	13
OTHER FABRICATORS AND HAND WORKING OCCUPATIONS	34	-	-	-	1	33	-
PRODUCTION INSPECTORS, TESTERS, SAMPLERS, AND WEIGHERS	90	-	-	-	50	34	-
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	85	2	8	-	9	16	24
MOTOR VEHICLE OPERATORS	49	2	-	-	2	-	24
TRUCK DRIVERS	20	2	-	-	2	-	-
OTHER TRANSPORTATION OCCUPATIONS	10	-	-	-	-	10	-
MATERIAL MOVING EQUIPMENT OPERATORS	26	-	8	-	7	6	-
HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS	285	2	5	21	87	50	24
FREIGHT, STOCK, AND MATERIAL HANDLERS	48	-	-	-	17	3	10
OTHER SPECIFIED HANDLERS, EQUIPMENT CLEANERS, AND HELPERS	144	-	5	8	43	34	5
LABORERS, INCLUDING CONSTRUCTION	93	2	-	13	27	13	9

TABLE 225. (B) OCCUPATION OF EMPLOYED PERSONS BY INDUSTRY, 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]

MINNESOTA	WHOLESALE TRADE	RETAIL TRADE	FINANCE, INSURANCE, AND REAL ESTATE	BUSINESS AND REPAIR SERVICES	PERSONAL SERVICES	ENTERTAINMENT AND RECREATION SERVICES	PROFESSIONAL AND RELATED SERVICES	PUBLIC ADMINISTRATION
ASIAN AND PACIFIC ISLANDER								
CONSTRUCTION TRADES	-	-	-	-	-	-	7	-
CARPENTERS	-	-	-	-	-	-	-	-
ELECTRICIANS	-	-	-	-	-	-	7	-
PAINTERS, CONSTRUCTION AND MAINTENANCE	-	-	-	-	-	-	-	-
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	-	-	-	-	-	-	-	-
OTHER CONSTRUCTION TRADES	-	-	-	-	-	-	-	-
EXTRACTIVE OCCUPATIONS	-	-	-	-	-	-	-	-
PRECISION PRODUCTION OCCUPATIONS	22	88	-	-	4	-	18	-
PRECISION METALWORKING OCCUPATIONS	-	5	-	-	-	-	-	-
MACHINISTS	-	-	-	-	-	-	-	-
PLANT AND SYSTEM OPERATORS	-	-	-	-	-	-	-	-
OTHER PRECISION PRODUCTION OCCUPATIONS	22	83	-	-	4	-	18	-
OPERATORS, FABRICATORS, AND LABORERS	81	82	5	24	52	-	37	20
MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS	59	20	-	10	50	-	37	3
MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION	33	8	-	8	50	-	37	3
METALWORKING AND PLASTIC WORKING MACHINE OPERATORS	-	-	-	-	-	-	-	-
PRINTING MACHINE OPERATORS	-	-	-	-	-	-	6	-
OTHER SPECIFIED MACHINE OPERATORS	16	3	-	-	50	-	31	-
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS	17	5	-	8	-	-	-	3
WELDERS AND CUTTERS	7	-	-	-	-	-	-	-
ASSEMBLERS	13	12	-	2	-	-	-	-
OTHER FABRICATORS AND HAND WORKING OCCUPATIONS	-	-	-	-	-	-	-	-
PRODUCTION INSPECTORS, TESTERS, SAMPLERS, AND WEIGHERS	6	-	-	-	-	-	-	-
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	1	15	5	5	-	-	-	-
MOTOR VEHICLE OPERATORS	1	15	5	-	-	-	-	-
TRUCK DRIVERS	1	15	-	-	-	-	-	-
OTHER TRANSPORTATION OCCUPATIONS	-	-	-	-	-	-	-	-
MATERIAL MOVING EQUIPMENT OPERATORS	-	-	-	5	-	-	-	-
HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS	21	47	-	9	2	-	-	17
FREIGHT, STOCK, AND MATERIAL HANDLERS	-	18	-	-	-	-	-	-
OTHER SPECIFIED HANDLERS, EQUIPMENT CLEANERS, AND HELPERS	14	23	-	9	-	-	-	3
LABORERS, INCLUDING CONSTRUCTION	7	6	-	-	2	-	-	14

TABLE 225. (A) OCCUPATION OF EMPLOYED PERSONS BY INDUSTRY, 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]

MINNESOTA

	TOTAL	AGRICULTURE, FORESTRY, AND FISHERIES	MINING	CONSTRUCTION	MANUFACTURING NON-DURABLE GOODS	MANUFACTURING DURABLE GOODS	TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES
SPANISH ORIGIN							
EMPLOYED PERSONS 16 YEARS AND OVER	11 388	256	30	387	1 262	2 127	889
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS	2 021	2	9	33	97	235	74
EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS	765	-	-	11	20	84	55
OFFICIALS AND ADMINISTRATORS	555	-	-	11	11	36	55
SALARIED	521	-	-	11	11	36	55
SELF-EMPLOYED	34	-	-	-	-	-	-
MANAGEMENT RELATED OCCUPATIONS	210	-	-	-	9	48	-
ACCOUNTANTS AND AUDITORS	75	-	-	-	7	25	-
BUYERS AND PURCHASING AGENTS	47	-	-	-	-	17	-
PROFESSIONAL SPECIALTY OCCUPATIONS	1 256	2	9	22	77	151	19
ENGINEERS, ARCHITECTS, AND SURVEYORS	174	-	-	6	32	87	11
ENGINEERS	156	-	-	6	32	87	11
ELECTRICAL AND ELECTRONIC ENGINEERS	43	-	-	6	-	29	6
MECHANICAL ENGINEERS	9	-	-	-	-	9	-
OTHER ENGINEERS	104	-	-	-	32	49	5
MATHEMATICAL AND COMPUTER SCIENTISTS	43	-	-	-	-	43	-
COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS	36	-	-	-	-	36	-
NATURAL SCIENTISTS	9	-	9	-	-	-	-
HEALTH DIAGNOSING OCCUPATIONS	106	2	-	-	-	-	-
HEALTH ASSESSMENT AND TREATING OCCUPATIONS	138	-	-	-	-	-	-
REGISTERED NURSES	94	-	-	-	-	-	-
SOCIAL SCIENTISTS AND URBAN PLANNERS	18	-	-	-	-	-	-
WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES	197	-	-	16	33	21	8
OTHER PROFESSIONAL SPECIALTY OCCUPATIONS	571	-	-	-	12	-	-
TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS	3 018	24	-	46	210	357	311
TECHNICIANS AND RELATED SUPPORT OCCUPATIONS	275	5	-	3	26	59	19
HEALTH TECHNOLOGISTS AND TECHNICIANS	86	-	-	-	-	-	7
LICENSED PRACTICAL NURSES	34	-	-	-	-	-	-
ENGINEERING AND SCIENCE TECHNICIANS	117	5	-	3	12	52	5
ELECTRICAL AND ELECTRONIC TECHNICIANS	38	-	-	-	-	24	-
DRAFTING AND SURVEYING TECHNICIANS	40	-	-	3	-	22	5
TECHNICIANS, EXCEPT HEALTH, ENGINEERING, AND SCIENCE	72	-	-	-	14	7	7
COMPUTER PROGRAMMERS	33	-	-	-	-	7	-
SALES OCCUPATIONS	680	17	-	8	13	16	21
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS	31	-	-	-	-	-	-
SALES REPRESENTATIVES, COMMODITIES AND FINANCE	171	17	-	8	-	16	21
OTHER SALES OCCUPATIONS	478	-	-	-	13	-	-
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL	2 063	2	-	35	171	282	271
COMPUTER EQUIPMENT OPERATORS	78	-	-	-	15	14	19
SECRETARIES, STENOGRAPHERS, AND TYPISTS	484	2	-	11	32	53	48
FILE CLERKS	74	-	-	4	8	14	-
BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS	144	-	-	12	-	18	6
PAYROLL AND TIMEKEEPING CLERKS	-	-	-	-	-	-	-
TRAFFIC, SHIPPING, STOCK AND INVENTORY CLERKS	162	-	-	-	23	53	5
OTHER ADMINISTRATIVE SUPPORT OCCUPATIONS	1 121	-	-	8	93	130	193
SERVICE OCCUPATIONS	2 095	8	-	7	48	46	66
PRIVATE HOUSEHOLD OCCUPATIONS	56	-	-	-	-	-	-
PROTECTIVE SERVICE OCCUPATIONS	129	-	-	-	-	-	14
SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD	1 910	8	-	7	48	46	52
FOOD PREPARATION AND SERVICE OCCUPATIONS	686	-	-	-	6	-	2
HEALTH SERVICE OCCUPATIONS	354	-	-	-	-	-	-
CLEANING AND BUILDING SERVICE OCCUPATIONS, EXCEPT HOUSEHOLD	558	-	-	7	42	46	12
PERSONAL SERVICE OCCUPATIONS	312	8	-	-	-	-	38
FARMING, FORESTRY, AND FISHING OCCUPATIONS	254	216	-	-	2	2	-
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS	1 132	2	7	173	198	290	135
MECHANICS AND REPAIRERS	330	-	-	4	45	64	77
AUTOMOBILE MECHANICS, INCLUDING BODY	59	-	-	-	-	4	-
ELECTRONIC REPAIRERS, COMMUNICATIONS AND INDUSTRIAL EQUIPMENT	17	-	-	-	-	-	-

TABLE 225. (B) OCCUPATION OF EMPLOYED PERSONS BY INDUSTRY, 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]

MINNESOTA	WHOLESALE TRADE	RETAIL TRADE	FINANCE, INSURANCE, AND REAL ESTATE	BUSINESS AND REPAIR SERVICES	PERSONAL SERVICES	ENTERTAIN-MENT AND RECREATION SERVICES	PROFESSIONAL AND RELATED SERVICES	PUBLIC ADMINISTRATION
SPANISH ORIGIN								
EMPLOYED PERSONS 16 YEARS AND OVER	556	1 579	544	389	369	97	2 337	566
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS	55	187	82	80	41	54	860	212
EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS	43	173	72	51	36	14	76	130
OFFICIALS AND ADMINISTRATORS	27	153	39	27	36	14	73	73
SALARIED	27	132	39	27	36	1	73	73
SELF-EMPLOYED	-	21	-	-	-	13	-	-
MANAGEMENT RELATED OCCUPATIONS	16	20	33	24	-	-	3	57
ACCOUNTANTS AND AUDITORS	-	6	11	6	-	-	3	17
BUYERS AND PURCHASING AGENTS	16	14	-	-	-	-	-	-
PROFESSIONAL SPECIALTY OCCUPATIONS	12	14	10	29	5	40	784	82
ENGINEERS, ARCHITECTS, AND SURVEYORS	-	-	-	6	-	-	26	6
ENGINEERS	-	-	-	6	-	-	8	6
ELECTRICAL AND ELECTRONIC ENGINEERS	-	-	-	-	-	-	2	-
MECHANICAL ENGINEERS	-	-	-	-	-	-	-	-
OTHER ENGINEERS	-	-	-	6	-	-	6	6
MATHEMATICAL AND COMPUTER SCIENTISTS	-	-	-	-	-	-	-	-
COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS	-	-	-	-	-	-	-	-
NATURAL SCIENTISTS	-	-	-	-	-	-	-	-
HEALTH DIAGNOSING OCCUPATIONS	-	-	6	-	-	-	98	-
HEALTH ASSESSMENT AND TREATING OCCUPATIONS	-	1	-	-	-	-	124	13
REGISTERED NURSES	-	-	-	-	-	-	94	-
SOCIAL SCIENTISTS AND URBAN PLANNERS	12	-	-	-	-	-	6	-
WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES	-	13	4	23	5	29	29	16
OTHER PROFESSIONAL SPECIALTY OCCUPATIONS	-	-	-	-	-	11	501	47
TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS	247	602	409	104	39	4	483	182
TECHNICIANS AND RELATED SUPPORT OCCUPATIONS	6	7	4	17	-	-	110	19
HEALTH TECHNOLOGISTS AND TECHNICIANS	-	-	-	-	-	-	79	-
LICENSED PRACTICAL NURSES	-	-	-	-	-	-	34	-
ENGINEERING AND SCIENCE TECHNICIANS	6	-	-	7	-	-	15	12
ELECTRICAL AND ELECTRONIC TECHNICIANS	6	-	-	7	-	-	-	1
DRAFTING AND SURVEYING TECHNICIANS	-	-	-	-	-	-	5	5
TECHNICIANS, EXCEPT HEALTH, ENGINEERING, AND SCIENCE	-	7	4	10	-	-	16	7
COMPUTER PROGRAMMERS	-	-	4	10	-	-	5	7
SALES OCCUPATIONS	28	468	93	4	-	-	6	6
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS	-	31	-	-	-	-	-	-
SALES REPRESENTATIVES, COMMODITIES AND FINANCE	25	-	80	4	-	-	-	-
OTHER SALES OCCUPATIONS	3	437	13	-	-	-	6	6
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL	213	127	312	83	39	4	367	157
COMPUTER EQUIPMENT OPERATORS	12	-	-	5	-	-	5	8
SECRETARIES, STENOGRAPHERS, AND TYPISTS	28	28	40	31	-	2	147	62
FILE CLERKS	7	-	18	-	-	-	12	11
BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS	24	25	43	-	-	-	6	10
PAYROLL AND TIMEKEEPING CLERKS	-	-	-	-	-	-	-	-
TRAFFIC, SHIPPING, STOCK AND INVENTORY CLERKS	45	6	-	-	14	-	11	5
OTHER ADMINISTRATIVE SUPPORT OCCUPATIONS	97	68	211	47	25	2	186	61
SERVICE OCCUPATIONS	10	542	46	90	223	29	859	121
PRIVATE HOUSEHOLD OCCUPATIONS	-	-	-	-	56	-	-	-
PROTECTIVE SERVICE OCCUPATIONS	3	7	6	19	-	-	-	80
SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD	7	535	40	71	167	29	859	41
FOOD PREPARATION AND SERVICE OCCUPATIONS	7	496	11	-	25	27	111	1
HEALTH SERVICE OCCUPATIONS	-	-	-	-	-	-	354	-
CLEANING AND BUILDING SERVICE OCCUPATIONS, EXCEPT HOUSEHOLD	-	32	29	71	51	2	231	35
PERSONAL SERVICE OCCUPATIONS	-	7	-	-	91	-	163	5
FARMING, FORESTRY, AND FISHING OCCUPATIONS	16	-	-	-	2	-	-	16
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS	68	120	-	64	-	7	56	12
MECHANICS AND REPAIRERS	19	59	-	33	-	7	16	6
AUTOMOBILE MECHANICS, INCLUDING BODY	2	38	-	9	-	-	-	6
ELECTRONIC REPAIRERS, COMMUNICATIONS AND INDUSTRIAL EQUIPMENT	4	7	-	-	-	-	6	-

TABLE 225. (A) OCCUPATION OF EMPLOYED PERSONS BY INDUSTRY, 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]

MINNESOTA

	TOTAL	AGRICULTURE, FORESTRY, AND FISHERIES	MINING	CONSTRUCTION	MANUFACTURING NON-DURABLE GOODS	MANUFACTURING DURABLE GOODS	TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES
SPANISH ORIGIN							
CONSTRUCTION TRADES	241	-	-	169	2	13	23
CARPENTERS	63	-	-	40	2	5	-
ELECTRICIANS	16	-	-	5	-	-	7
PAINTERS, CONSTRUCTION AND MAINTENANCE	13	-	-	13	-	-	-
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	30	-	-	22	-	-	6
OTHER CONSTRUCTION TRADES	119	-	-	89	-	8	10
EXTRACTIVE OCCUPATIONS	16	-	7	-	9	-	-
PRECISION PRODUCTION OCCUPATIONS	545	2	-	-	142	213	35
PRECISION METALWORKING OCCUPATIONS	72	-	-	-	9	54	4
MACHINISTS	50	-	-	-	7	39	4
PLANT AND SYSTEM OPERATORS	27	-	-	-	-	-	21
OTHER PRECISION PRODUCTION OCCUPATIONS	446	2	-	-	133	159	10
OPERATORS, FABRICATORS, AND LABORERS	2 868	4	14	128	707	1 197	303
MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS	1 795	2	3	5	551	967	24
MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION	1 091	2	-	-	407	476	23
METALWORKING AND PLASTIC WORKING MACHINE OPERATORS	101	-	-	-	2	99	-
PRINTING MACHINE OPERATORS	72	-	-	-	62	-	-
OTHER SPECIFIED MACHINE OPERATORS	443	-	-	-	153	167	16
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS	475	2	-	-	190	210	7
WELDERS AND CUTTERS	120	-	-	5	14	91	1
ASSEMBLERS	391	-	-	-	77	291	-
OTHER FABRICATORS AND HAND WORKING OCCUPATIONS	62	-	-	-	16	32	-
PRODUCTION INSPECTORS, TESTERS, SAMPLERS, AND WEIGHERS	131	-	3	-	37	77	-
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	414	-	11	60	18	47	182
MOTOR VEHICLE OPERATORS	281	-	3	35	2	13	150
TRUCK DRIVERS	199	-	3	35	2	13	99
OTHER TRANSPORTATION OCCUPATIONS	25	-	-	-	-	-	25
MATERIAL MOVING EQUIPMENT OPERATORS	108	-	8	25	16	34	7
HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS	659	2	-	63	138	183	97
FREIGHT, STOCK, AND MATERIAL HANDLERS	157	-	-	-	14	26	46
OTHER SPECIFIED HANDLERS, EQUIPMENT CLEANERS, AND HELPERS	143	2	-	13	23	39	12
LABORERS, INCLUDING CONSTRUCTION	359	-	-	50	101	118	39

TABLE 225. (B) OCCUPATION OF EMPLOYED PERSONS BY INDUSTRY, 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]

MINNESOTA	WHOLESALE TRADE	RETAIL TRADE	FINANCE, INSURANCE, AND REAL ESTATE	BUSINESS AND REPAIR SERVICES	PERSONAL SERVICES	ENTERTAIN-MENT AND RECREATION SERVICES	PROFESSIONAL AND RELATED SERVICES	PUBLIC ADMINISTRATION
SPANISH ORIGIN								
CONSTRUCTION TRADES	2	-	-	17	-	-	9	6
CARPENTERS	-	-	-	13	-	-	3	-
ELECTRICIANS	-	-	-	4	-	-	-	-
PAINTERS, CONSTRUCTION AND MAINTENANCE	-	-	-	-	-	-	-	-
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	2	-	-	-	-	-	-	-
OTHER CONSTRUCTION TRADES	-	-	-	-	-	-	6	6
EXTRACTIVE OCCUPATIONS	-	-	-	-	-	-	-	-
PRECISION PRODUCTION OCCUPATIONS	47	61	-	14	-	-	31	-
PRECISION METALWORKING OCCUPATIONS	5	-	-	-	-	-	-	-
MACHINISTS	-	-	-	-	-	-	-	-
PLANT AND SYSTEM OPERATORS	-	-	-	-	-	-	6	-
OTHER PRECISION PRODUCTION OCCUPATIONS	42	61	-	14	-	-	25	-
OPERATORS, FABRICATORS, AND LABORERS	160	128	7	51	64	3	79	23
MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS	67	25	7	28	52	3	50	11
MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION	26	20	7	24	50	3	44	9
METALWORKING AND PLASTIC WORKING MACHINE OPERATORS	-	-	-	-	-	-	-	-
PRINTING MACHINE OPERATORS	-	-	-	-	-	-	5	5
OTHER SPECIFIED MACHINE OPERATORS	8	3	-	21	42	-	33	-
MISCELLANEOUS AND NOT SPECIFIED MACHINE OPERATORS	18	17	7	3	8	3	6	4
WELDERS AND CUTTERS	9	-	-	-	-	-	-	-
ASSEMBLERS	8	5	-	4	-	-	6	-
OTHER FABRICATORS AND HAND WORKING OCCUPATIONS	12	-	-	-	-	-	-	2
PRODUCTION INSPECTORS, TESTERS, SAMPLERS, AND WEIGHERS	12	-	-	-	2	-	-	-
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	48	8	-	10	-	-	25	5
MOTOR VEHICLE OPERATORS	30	8	-	10	-	-	25	5
TRUCK DRIVERS	30	8	-	4	-	-	5	-
OTHER TRANSPORTATION OCCUPATIONS	-	-	-	-	-	-	-	-
MATERIAL MOVING EQUIPMENT OPERATORS	18	-	-	-	-	-	-	-
HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS	45	95	-	13	12	-	4	7
FREIGHT, STOCK, AND MATERIAL HANDLERS	12	59	-	-	-	-	-	-
OTHER SPECIFIED HANDLERS, EQUIPMENT CLEANERS, AND HELPERS	18	32	-	4	-	-	-	-
LABORERS, INCLUDING CONSTRUCTION	15	4	-	9	12	-	4	7