

APPENDIX I:

INTERNATIONAL STANDARD CLASSIFICATION OF OCCUPATIONS

(ISCO68, PAISCO68, SPISCO68, ISCO681, PAISC681, MAISC681, SPISC681, ISCO88, PAISCO88, MAISCO88, SPISCO88, ISOC08, PAISCO08, SPISCO08, MAISCO08, COISCO08)

This appendix contains recodes of the 1970 and 1980 Census Classification of Occupations (See Appendix F) into the 1968 International Standard Classification of Occupations (ISCO) and the 1980 Census Classification of Occupations into the 1988 ISCO. The first table converts 1970 Census occupation codes into 1968 ISCO codes, the second table converts 1980 Census occupation codes into 1968 ISCO codes and the third table converts the 1980 Census into 1988 ISCO codes. The conversion schemes were developed by Harry B. G. Ganzeboom at Nijmegen University, the Netherlands. In 2014 a new conversion scheme for the 2010 Census Classification of Occupations and the 2008 ISCO codes was developed by GSS staff. Additionally, in the summer of 2016, all previous years of the GSS were brought up to date with 2010 Census Classification of Occupation codes, allowing for the ISCO08 codes to be applied to all cases from 1972-2012. As a result, the ISCO08 codes include some non-standard top-level codings (e.g. the use of 2300, Teaching Professionals, when a distinction between 2310, 2320, 2341, etc. could not be determined).

All of the tables included in this Appendix include all valid ISCO codes for their year, regardless of whether or not a similar code exists or is expected in the Census Classification of Occupations. For example, Census codes currently cannot capture ISCO08 code 1113 – Traditional Chiefs and Heads of Villages. There are similar problems among higher categories (e.g. Census codes cannot correspond to any of the 6300s, Subsistence Farmers, Fishers, Hunters and Gatherers).

1968 International Standard Classification Codes
(based on 1970 U.S. occupational codes)

	Occ Code (Punch)	Respondent (ISCO68)	N's R's Father (PAISCO68)	R's Spouse (SPISCO68)
PROFESSIONAL TECHNICAL AND RELATED WORKERS				
PHYSICAL SCIENTISTS AND RELATED TECHNICIANS				
Chemists				
Chemist	0110	33	45	24
Physicists				
Physicist	0120	2	5	6
Physical Scientists n.e.c.				
Scientist	0130	0	0	0
Geologist	0131	11	3	4
Astronomer	0132	2	1	0
Weatherman	0133	0	0	0
Physical Science Technicians	0140	10	4	4
ARCHITECTS, ENGINEERS AND RELATED TECHNICIANS				
Architects and Town Planners				
Architect	0210	29	26	13
Civil Engineers				
Engineer, Civil Engineer	0220	49	80	36
Electrical and Electronics Engineers				
Electrical Engineer	0230	63	105	52
Mechanical Engineers				
Mechanical Engineer	0240	43	90	33
Chemical Engineers				
Chemical Engineer	0250	24	31	19
Metallurgists				
Metallurgist	0260	5	6	0
Mining Engineers				
Mining Engineer	0270	2	9	3
Industrial Engineers				
Industrial Engineer	0280	50	75	41
Engineers n.e.c.				
Engineer n.e.c.	0290	38	33	25
Surveyors				
Surveyor	0310	13	12	8
Draftsmen				
Draftsman	0320	50	48	39
Tracer	0321	0	0	0
Civil Engineering Technicians				
Surveyor's Assistant	0330	0	0	0
Electrical and Electronics Engineering Technicians				
Technicians	0340	82	29	38
Mechanical Engineering Technicians	0350	5	5	2
Chemical Engineering Technicians	0360	18	15	18
<u>Metallurgical Technicians</u>	0370	0	0	0

	Code	R	Father	Spouse
<u>Mining Technicians</u>				
Mining Technician	0380	0	0	0
<u>Engineering Technicians n.e.c.</u>				
Engineer's Aide	0390	90	28	52
AIRCRAFT AND SHIPS' OFFICERS				
<u>Aircraft Pilots, Navigators and Flight Engineers</u>				
Airline Pilot	0410	25	18	21
Astronaut	0411	0	0	0
<u>Ships' Deck Officers and Pilots</u>				
Ship's Officer	0420	6	29	6
Small Boat Officer	0421	0	0	0
<u>Ships' Engineers</u>				
Ship's Engineer	0430	0	0	0
LIFE SCIENTISTS AND RELATED TECHNICIANS				
<u>Biologists, Zoologists and Related Scientists</u>				
Biologist	0510	16	4	13
<u>Bacteriologists, Pharmacologists and Related Scientists</u>				
Medical Researcher	0520	0	0	0
Dairy Scientist	0521	0	0	0
<u>Agronomists and Related Scientists</u>				
Agronomist	0530	30	24	18
Agricultural Agent	0531	0	0	0
<u>Life Sciences Technicians</u>				
Medical Technician	0540	132	8	55
Agricultural Technician	0541	0	0	0
MEDICAL, DENTAL, VETERINARY AND RELATED WORKERS				
<u>Medical Doctors</u>				
Physician	0610	53	112	49
Chief Physician in Hospital	0611	0	0	0
<u>Medical Assistants</u>				
Medical Assistant	0620	93	0	37
<u>Dentists</u>				
Dentist	0630	27	40	14
<u>Dental Assistants</u>				
	0640	54	1	35
<u>Veterinarians</u>				
Veterinarian	0650	7	12	1
<u>Veterinary Assistants</u>				
	0660	0	0	0
<u>Pharmacists</u>				
Pharmacist	0670	23	37	19
<u>Pharmaceutical Assistants</u>				
Uncertified Pharmacist	0680	0	0	0
<u>Dietitians and Public Health Nutritionists</u>				
Dietitian	0690	16	1	14
<u>Professional Nurses</u>				
Professional Nurse, Nurse	0710	535	3	292
Head Nurse	0711	0	0	0

	Code	R	Father	Spouse
<u>Nursing Personnel n.e.c.</u>				
Uncertified Nurse	0720	490	28	213
<u>Professional Midwives</u>				
Professional Midwife, Midwife	0730	0	0	0
<u>Midwifery Personnel n.e.c.</u>				
	0740	0	0	0
<u>Optometrists and Opticians</u>				
Optometrist	0750	7	8	6
Optician	0751	0	0	0
<u>Physiotherapists and Occupational Therapists</u>				
Physiotherapist	0760	51	4	38
Occupational Therapist	0761	0	0	0
Masseur	0762	0	0	0
<u>Medical X-Ray Technician</u>				
	0770	27	2	12
<u>Medical, Dental, Veterinary and Related Workers n.e.c.</u>				
Osteopath	0790	4	5	0
Chiropractor	0791	7	9	7
Herbalist	0792	0	0	0
Sanitary Officer	0793	0	0	0
STATISTICIANS, MATHEMATICIANS, SYSTEMS ANALYSTS AND RELATED TECHNICIANS				
<u>Statisticians</u>				
Statistician	0810	4	3	3
<u>Mathematicians and Actuaries</u>				
Mathematician	0820	2	3	3
<u>Systems Analysts</u>				
	0830	40	12	31
<u>Statistical and Mathematical Technicians</u>				
Computer Programmer	0840	123	29	70
ECONOMISTS				
<u>Economists</u>				
Economist	0900	34	8	17
ACCOUNTANTS				
<u>Accountants</u>				
Accountant	1100	228	175	159
Professional Accountant	1101	0	0	0
JURISTS				
<u>Lawyers</u>				
Lawyer, Trial Lawyer	1210	94	94	71
Public Prosecutor	1211	0	0	0
<u>Judges</u>				
Judge	1220	7	8	3
Supreme Court Justice	1221	0	0	0
Local Court Judge	1222	0	0	0
<u>Jurists n.e.c.</u>				
Non-Trial Lawyer	1290	0	0	0
Legal Advisor Without Degree	1291	0	0	0
TEACHERS				
<u>University and Higher Education Teachers</u>				
University Professor	1310	176	94	96
University President, Dean	1311	0	0	0

	Code	R	Father	Spouse
<u>Secondary Education Teachers</u>				
High School Teacher	1320	414	84	221
Middle School Teacher	1321	0	0	0
<u>Primary Education Teachers</u>				
Teacher, Primary Teacher	1330	525	44	307
<u>Pre-Primary Education Teachers</u>				
Pre-Primary Teacher	1340	58	1	49
<u>Special Education Teachers</u>				
	1350	27	4	11
<u>Teachers n.e.c.</u>				
Vocational Teacher	1390	0	0	0
Principal, Primary Principal	1391	70	54	52
Education Officer	1392	0	0	0
Teacher's Aide	1393	101	0	55
Secondary School Principal	1394	0	0	0
WORKERS IN RELIGION				
<u>Ministers of Religion and Related Members of Religious Orders</u>				
Clergyman	1410	56	159	42
High Church Official	1411	0	0	0
Religious Reciter	1412	0	0	0
Evangelist	1413	0	0	0
Missionary	1414	0	0	0
Member of Religious Order	1415	0	0	0
Assistant Priest	1416	0	0	0
<u>Workers in Religion n.e.c.</u>				
Religious Teacher	1490	13	8	4
Faith Healer	1491	0	0	0
AUTHORS, JOURNALISTS AND RELATED WRITERS				
<u>Authors and Critics</u>				
Author	1510	10	0	5
Pulp Writer	1511	0	0	0
<u>Authors, Journalists and Related Writers n.e.c.</u>				
Journalist	1590	0	0	0
Newspaper Editor	1591	52	31	27
Advertising Writer	1592	0	0	0
Public Relations Man	1593	45	10	17
SCULPTORS, PAINTERS, PHOTOGRAPHERS AND RELATED CREATIVE ARTISTS				
<u>Sculptors, Painters and Related Artists</u>				
Artist	1610	61	18	23
<u>Commercial Artists and Designers</u>				
Commercial Artist	1620	0	0	0
Designer	1621	38	20	20
Window Display Artist	1622	27	9	9
<u>Photographers and Cameramen</u>				
Photographer	1630	27	14	12
TV Cameraman	1631	0	0	0
COMPOSERS AND PERFORMING ARTISTS				
<u>Composers, Musicians and Singers</u>				
Musician, Classical Musician	1710	41	22	22
Jazz Musician	1711	0	0	0
Musical Entertainer	1712	0	0	0
Music Teacher	1713	0	0	0
<u>Choreographers and Dancers</u>				
Dancer	1720	6	2	4

	Code	R	Father	Spouse
Dancing Teacher	1721	0	0	0
<u>Actors and Stage Directors</u>				
Actor	1730	8	2	3
Star Actor	1731	0	0	0
Dramatic Director	1732	0	0	0
<u>Producers, Performing Arts</u>				
Dramatic Producer	1740	0	0	0
<u>Circus Performers</u>				
	1750	0	0	0
<u>Performing Artists n.e.c.</u>				
Radio, TV Announcer	1790	8	4	4
Entertainer	1791	32	14	13
ATHLETES, SPORTSMEN AND RELATED WORKERS				
<u>Athletes, Sportsmen and Related Workers</u>				
Professional Athlete	1800	19	11	15
Coach, Manager	1801	0	0	0
PROFESSIONAL, TECHNICAL AND RELATED WORKERS n.e.c.				
<u>Librarians, Archivists and Curators</u>				
Librarian	1910	46	0	31
<u>Sociologists, Anthropologists and Related Scientists</u>				
Sociologist	1920	2	2	1
Psychologist	1921	22	8	12
Archeologist	1922	0	0	0
Historian	1923	0	0	0
Social Scientist n.e.c.	1924	8	2	3
<u>Social Workers</u>				
Social Worker	1930	192	48	109
Group Worker	1931	22	6	4
<u>Personnel and Occupational Specialists</u>				
Personnel Director	1940	0	0	0
Job Counselor	1941	37	6	20
<u>Philologists, Translators and Interpreters</u>				
Translator	1950	0	0	0
Philologist	1951	0	0	0
<u>Other Professional, Technical and Related Workers</u>				
Technician	1990	28	10	12
Diviner	1991	0	0	0
Fingerprint Expert	1992	0	0	0
Explorer	1993	0	0	0
Peace Corps Member	1994	0	0	0
Advertising Executive	1995	0	0	0
ADMINISTRATIVE AND MANAGERIAL WORKERS				
LEGISLATIVE OFFICIALS AND GOVERNMENT ADMINISTRATORS				
<u>Heads of Government Jurisdiction</u>				
Chief of State	2010	0	0	0
Provincial Governor	2011	0	0	0
District Head	2012	0	0	0
Head, Large City	2013	0	0	0
Head, City or Small City	2014	0	0	0
Village Head	2015	0	0	0
<u>Members of Legislative Bodies</u>				
Leader of House	2020	0	0	0
Member Upper House	2021	0	0	0
Member Lower House	2022	0	0	0

	Code	R	Father	Spouse
Member Provincial House	2023	0	0	0
Member Local Council	2024	0	0	0
<u>High Administrative Officials</u>				
Government Minister	2030	0	0	0
Ambassador	2031	0	0	0
Diplomat	2032	0	0	0
High Civil Servant, Dept. Head	2033	0	0	0
Dept. Head, Provincial Government	2034	0	0	0
Dept. Head, Local Government	2035	0	0	0
Chief's Counselor	2036	0	0	0
MANAGERS				
<u>General Managers</u>				
Member Board of Directors	2110	0	0	0
Head of Large Firm	2111	0	0	0
Head of Firm	2112	0	0	0
Head of Small Firm	2113	0	0	0
Banker	2114	137	91	84
Banker, Large Bank	2115	0	0	0
Building Contractor	2116	0	0	0
<u>Production Managers (Except Farm)</u>				
Factory Manager	2120	0	0	0
<u>Managers n.e.c.</u>				
Businessman	2190	1510	2286	1113
Branch Manager	2191	0	0	0
Department Manager	2192	0	0	0
Department Manager, Large Firm	2193	0	0	0
Business Executive	2194	0	0	0
Politician, Party Official	2195	0	0	0
Union Official	2196	0	0	0
High Union Official	2197	8	20	19
CLERICAL AND RELATED WORKERS				
CLERICAL SUPERVISORS				
<u>Clerical Supervisors</u>				
Office Manager	3000	213	58	109
GOVERNMENT EXECUTIVE OFFICIALS				
<u>Government Executive Officials</u>				
Middle Rank Civil Servant	3100	153	115	80
Civil Servant, Minor Civil Servant	3101	0	0	0
Government Inspector	3102	44	36	39
Customs Inspector	3103	0	0	0
Tax Collector	3104	0	0	0
STENOGRAPHERS, TYPISTS AND CARD- AND TAPE-PUNCHING MACHINE OPERATORS				
<u>Stenographers, Typists and Teletypists</u>				
Typist, Stenographer	3210	277	3	119
Secretary	3211	1035	7	612
<u>Card- and Tape-Punching Machine Operators</u>				
Keypunch Operator	3220	73	2	48
BOOKKEEPERS, CASHIERS AND RELATED WORKERS				
<u>Bookkeepers and Cashiers</u>				
Bookkeeper	3310	460	56	259
Cashier	3311	383	11	168
Head Cashier	3312	0	0	0
Bank Teller	3313	83	6	69
Post Office Clerk	3314	79	74	44
Ticket Seller	3315	119	26	58

	Code	R	Father	Spouse
<u>Bookkeepers, Cashiers and Related Workers n.e.c.</u>				
Financial Clerk	3390	157	34	81
Bill Collector	3391	20	2	9
COMPUTING MACHINE OPERATORS				
<u>Bookkeeping and Calculating Machine Operators</u>				
	3410	66	0	36
<u>Automatic Data-Processing Machine Operators</u>				
Computer Operator	3420	111	6	61
TRANSPORT AND COMMUNICATIONS SUPERVISORS				
<u>Railway Station Masters</u>				
Railway Stationmaster	3510	0	0	0
<u>Postmasters</u>				
Postmaster	3520	13	24	6
<u>Transport and Communications Supervisors n.e.c.</u>				
Dispatcher, Expeditor	3590	21	14	16
TRANSPORT CONDUCTORS				
<u>Transport Conductors</u>				
Railroad Conductor	3600	16	54	10
Bus, Streetcar Conductor	3601	1	23	2
Sleeping Car Porter	3602	0	0	0
MAIL DISTRIBUTION CLERKS				
<u>Mail Distribution Clerks</u>				
Mail Carrier	3700	96	120	60
Office Boy, Messenger	3701	24	4	11
TELEPHONE AND TELEGRAPH OPERATORS				
<u>Telephone and Telegraph Operators</u>				
Telephone Operator	3800	137	1	63
Telegraph Operator	3801	17	10	10
Radio Operator	3802	0	0	0
CLERICAL AND RELATED WORKERS n.e.c.				
<u>Stock Clerks</u>				
Stockroom Attendant	3910	130	69	87
Shipping Clerk	3911	179	100	88
<u>Material and Production Planning Clerks</u>	3920	0	0	0
<u>Correspondence and Reporting Clerks</u>				
Office Clerk	3930	0	0	0
Government Office Clerk	3931	0	0	0
Law Clerk	3932	0	0	0
<u>Receptionists and Travel Agency Clerks</u>				
Receptionist	3940	134	2	84
Transportation Agent	3941	0	0	0
Railway Baggage Man	3942	0	0	0
Travel Agent	3943	0	0	0
Floor Walker	3944	0	0	0
<u>Library and Filing Clerks</u>				
Library Assistant	3950	22	0	19
Filing Clerk	3951	67	3	34
<u>Clerks n.e.c.</u>				
	3990	683	109	341
Proofreader	3991	12	2	4
Political Party Worker	3992	13	7	6
Meter Reader	3993	10	15	9

	Code	R	Father	Spouse
SALES WORKERS				
MANAGERS (WHOLESALE AND RETAIL TRADE)				
<u>Managers (Wholesale and Retail Trade)</u>				
Retail Manager	4000	0	0	0
Service Station Manager	4001	0	0	0
Credit Manager	4002	21	9	19
WORKING PROPRIETORS (WHOLESALE AND RETAIL TRADE)				
<u>Working Proprietors (Wholesale and Retail Trade)</u>				
Shop Keeper	4100	0	0	0
Large Shop Owner	4101	0	0	0
One-Man Stand Operator	4102	0	0	0
Automobile Dealer	4103	0	0	0
Broker	4104	0	0	0
Livestock Broker	4105	0	0	0
Wholesale Distributor	4106	0	0	0
Smuggler	4107	0	0	0
Labor Contractor	4108	0	0	0
SALES SUPERVISORS AND BUYERS				
<u>Sales Supervisors</u>				
Sales Manager	4210	229	159	156
<u>Buyers</u>				
Buyer	4220	40	23	27
Purchasing Agent	4221	47	46	41
Agricultural Buyer	4222	4	28	6
TECHNICAL SALESMAN, COMMERCIAL TRAVELLERS AND MANUFACTURERS' AGENTS				
<u>Technical Salesmen and Service Advisers</u>				
Sales Engineer	4310	2	3	8
Utility Co. Salesman	4311	0	0	0
<u>Commercial Travellers and Manufacturers' Agents</u>				
Traveling Salesman	4320	0	0	0
INSURANCE, REAL ESTATE, SECURITIES AND BUSINESS SERVICES SALESMEN AND AUCTIONEERS				
<u>Insurance, Real Estate and Securities Salesman</u>				
Insurance Agent	4400			1
Insurance Agent	4410	139	152	106
Real Estate Agent	4411	117	99	75
Stock Broker	4412	28	23	14
<u>Business Services Salesmen</u>				
Advertising Salesman	4420	24	15	11
<u>Auctioneers</u>				
Auctioneer	4430	2	1	2
Appraiser	4431	8	7	3
Insurance Claims Investigator	4432	43	23	31
SALESMEN, SHOP ASSISTANTS AND RELATED WORKERS				
<u>Salesmen, Shop Assistants and Demonstrators</u>				
Sales Clerk	4510	980	589	632
Automobile Salesman	4511	0	0	0
Gas Station Attendant	4512	0	0	0
Model	4513	0	0	0
Sales Demonstrator	4514	14	0	7
<u>Street Vendors, Canvassers and Newsvendors</u>				
Market Trader	4520	0	0	0
Street Vendor, Peddler	4521	53	35	25
Telephone Solicitor	4522	0	0	0
Newspaper Seller	4523	11	8	4

	Code	R	Father	Spouse
Routeman	4524	0	0	0
Narcotics Peddler	4525	0	0	0
SALES WORKERS n.e.c.				
<u>Sales Workers n.e.c.</u>				
Money Lender	4900	0	0	0
SERVICE WORKERS				
MANAGERS (CATERING AND LODGING SERVICES)				
<u>Managers (Catering and Lodging Services)</u>				
Bar Manager	5000	170	107	79
Hotel Manager	5001	0	0	0
Apartment Manager	5002	0	0	0
WORKING PROPRIETORS (CATERING AND LODGING SERVICES)				
<u>Working Proprietors (Catering and Lodging Services)</u>				
Restaurant Owner	5100	0	0	0
Lunchroom, Coffee Shop Operator	5101	0	0	0
Hotel Operator	5102	0	0	0
Boardinghouse Keeper	5103	8	2	4
Pub Keeper	5104	0	0	0
HOUSEKEEPING AND RELATED SERVICE SUPERVISORS				
<u>Housekeeping and Related Service Supervisors</u>				
Steward	5200	0	0	0
Housekeeper	5201	181	5	48
COOKS, WAITERS, BARTENDERS AND RELATED WORKERS				
<u>Cooks</u>				
Cook	5310	12	1	8
Master Cook	5311	0	0	0
Cook's Helper	5312	0	0	0
<u>Waiters, Bartenders and Related Workers</u>				
Waiter	5320	577	15	244
Bartender	5321	57	31	22
Soda Fountain Clerk	5322	85	4	38
MAIDS AND RELATED HOUSEKEEPING SERVICE WORKERS n.e.c.				
<u>Maids and Related Housekeeping Service Workers n.e.c.</u>				
Servant	5400	322	8	92
Nursemaid	5401	185	0	78
Hotel Chambermaid	5402	83	0	21
Hotel Concierge	5403	0	0	0
BUILDING CARETAKERS, CHARWORKERS, CLEANERS AND RELATED WORKERS				
<u>Building Caretakers</u>				
Janitor	5510	256	205	179
Concierge (Apartment House)	5511	0	0	0
Sexton	5512	0	0	0
<u>Charworkers, Cleaners and Related Workers</u>				
Charworker	5520	550	116	220
Window Washer	5521	0	0	0
Chimney Sweep	5522	0	0	0
LAUNDERERS, DRY-CLEANERS AND PRESSERS				
<u>Launderers, Dry-Cleaners and Pressers</u>				
Launderer	5600	85	32	34

	Code	R	Father	Spouse
HAIRDRESSERS, BARBERS, BEAUTICIANS AND RELATED WORKERS				
<u>Hairdressers, Barbers, Beauticians and Related Workers</u>				
Barber	5700	217	102	129
Master Barber	5701	0	0	0
Beautician	5702	0	0	0
Operator of Hairdressing Salon	5703	0	0	0
PROTECTIVE SERVICE WORKERS				
<u>Fire-Fighters</u>				
Fireman	5810	49	87	37
<u>Police and Detectives</u>				
Policeman	5820	96	162	69
Police Officer	5821	0	0	0
High Police Official	5822	2	5	1
Specialized Law Officer	5823	0	0	0
<u>Protective Service Workers n.e.c.</u>				
Watchman	5890	131	101	70
Prison Guard	5891	0	0	0
Bailiff	5892	20	17	10
<u>Armed Forces</u>				
Armed Forces ¹	5895	211	295	177
SERVICE WORKERS n.e.c.	5900	17	0	6
<u>Guides</u>				
Museum Attendant	5910	0	0	0
<u>Undertakers and Embalmers</u>				
Undertaker	5920	15	10	12
<u>Other Service Worker</u>				
Medical Attendant	5990	0	0	0
Entertainment Attendant	5991	34	4	9
Elevator Operator	5992	7	7	2
Hotel Bell Boy	5993	5	9	1
Doorkeeper	5994	0	0	0
Shoe Shiner	5995	0	2	0
Airline Stewardess	5996	7	0	6
Bookmaker	5997	0	0	0
Bell Captain in Hotel	5998	0	0	0
Illegal Lottery Agent	5999	0	0	0
AGRICULTURAL, ANIMAL HUSBANDRY AND FORESTRY WORKERS, FISHERMEN AND HUNTERS				
FARM MANAGERS AND SUPERVISORS				
<u>Farm Managers and Supervisors</u>				
Farm Manager	6000	12	66	7
Farm Foreman	6001	5	32	6
FARMERS				
<u>General Farmers</u>				
Farmer	6110	412	4032	276
Large Farmer	6111	0	0	0
Small Farmer	6112	0	0	0
Tenant Farmer	6113	0	0	0
Share Cropper	6114	0	0	0
Collective Farmer	6115	0	0	0
Unpaid Family Farm Worker	6117	11	9	11
Settler	6116	0	0	0
<u>Specialized Farmers</u>				
Specialized Farmer	6120	0	0	0

¹This code is not part of the International Standard Classification Codes. It is a code used by NORC.

	Code	R	Father	Spouse
AGRICULTURAL AND ANIMAL HUSBANDRY WORKERS				
<u>General Farm Workers</u>				
Farm Hand	6210	143	451	77
Migrant Worker	6211	0	0	0
<u>Field Crop and Vegetable Farm Workers</u>				
Field Crop Worker	6220	0	0	0
<u>Orchard, Vineyard and Related Tree and Shrub Crop Workers</u>				
Palmwine Harvester	6230	0	0	0
<u>Livestock Workers</u>				
Livestock Worker	6240	0	0	0
<u>Dairy Farm Worker</u>				
Milker	6250	0	0	0
<u>Poultry Farm Workers</u>				
6260	0	0	0	0
<u>Nursery Workers and Gardeners</u>				
Gardener	6270	0	0	0
<u>Farm Machinery Operators</u>				
Tractor Driver	6280	0	0	0
<u>Agricultural and Animal Husbandry Workers n.e.c.</u>				
Skilled Farm Worker	6290	2	14	1
Gatherer	6291	0	0	0
FORESTRY WORKERS				
<u>Loggers</u>				
Logger	6310	0	0	0
Whistle Punk	6311	0	0	0
<u>Forestry Workers (Except Logging)</u>				
Forester	6320	0	0	0
Timber Cruiser	6321	0	0	0
Tree Surgeon	6322	0	0	0
FISHERMEN, HUNTERS AND RELATED WORKERS				
<u>Fishermen</u>				
Fisherman	6410	9	25	5
Fisherman With Own Boat	6411	0	0	0
<u>Fishermen, Hunters and Related Workers n.e.c.</u>				
Whaler	6490	0	0	0
Hunter	6491	0	0	0
PRODUCTION AND RELATED WORKERS, TRANSPORT EQUIPMENT OPERATORS AND LABORERS				
PRODUCTION SUPERVISORS AND GENERAL FOREMEN				
<u>Production Supervisors and General Foreman</u>				
Foreman	7000	325	696	292
Supervisor	7001	0	0	0
MINERS, QUARRYMEN, WELL DRILLERS AND RELATED WORKERS				
<u>Miners and Quarrymen</u>				
Miner	7110	99	573	80
Specialized Mine Worker	7111	2	5	0
Quarry Worker	7112	0	0	0
Instructor in Mine	7113	0	0	0
<u>Mineral and Stone Treaters</u>				
7120	0	0	0	0
	Code	R	Father	Spouse

<u>Well Drillers, Borers and Related Workers</u>				
Oil Field Worker	7130	11	35	13
METAL PROCESSORS				
<u>Metal Smelting, Converting and Refining Furnacemen</u>				
Steel Mill Worker	7210	20	47	13
<u>Metal Rolling-Mill Workers</u>				
Rolling Mill Operator	7220	0	0	0
<u>Metal Melters and Reheaters</u>				
	7230	3	3	2
<u>Metal Casters</u>				
Metal Caster	7240	0	0	0
<u>Metal Moulders and Coremakers</u>				
	7250	0	0	0
<u>Metal Annealers, Temperers, and Case-Hardeners</u>				
	7260	3	5	1
<u>Metal Drawers and Extruders</u>				
	7270	0	0	0
<u>Metal Platers and Coaters</u>				
Galvinizer	7280	9	7	2
<u>Metal Processors n.e.c.</u>				
	7290	0	0	0
WOOD PREPARATION WORKERS AND PAPER MAKERS				
<u>Wood Treaters</u>				
	7310	0	0	0
<u>Sawyers, Plywood Makers and Related Wood-Processing Workers</u>				
Sawyer in Saw Mill	7320	16	53	16
Lumber Grader	7321	6	14	4
<u>Paper Pulp Preparers</u>				
	7330	0	0	0
<u>Paper Makers</u>				
Paper Maker	7340	0	0	0
CHEMICAL PROCESSORS AND RELATED WORKERS				
<u>Crushers, Grinders and Mixers</u>				
	7410	15	22	14
<u>Cookers, Roasters and Related Heat-Treaters</u>				
	7420	0	0	0
<u>Filter and Separator Operators</u>				
	7430	0	0	0
<u>Still and Reactor Operators</u>				
	7440	0	0	0
<u>Petroleum-Refining Workers</u>				
Petroleum Worker	7450	0	0	0
<u>Chemical Processors and Related Workers n.e.c.</u>				
Chemical Worker	7490	0	0	0
Charcoal Burner	7491	0	0	0
SPINNERS, WEAVERS, KNITTERS, DYERS AND RELATED WORKERS				
<u>Fiber Preparers</u>				
	7510	0	0	0
<u>Spinners and Winders</u>				
Spinner	7520	56	18	24
<u>Weaving- and Knitting-Machine Setters and Pattern-Card Preparers</u>				
Machine Loom Fixer, Operator	7530	2	13	3
<u>Weavers and Related Workers</u>				
Weaver	7540	15	14	6
	Code	R	Father	Spouse
Cloth Grader	7541	0	0	0

<u>Knitters</u>				
Knitting Machine Operator	7550	18	3	9
<u>Bleachers, Dyers and Textile Product Finishers</u>				
Cloth Dyer	7560	4	9	2
<u>Spinners, Weavers, Knitters, Dyers and Related Workers n.e.c.</u>				
Textile Mill Worker	7590	43	42	18
TANNERS, FELLMONGERS AND PELT DRESSERS				
	7610	0	0	0
<u>Tanners and Fellmongers</u>				
	7620	0	0	0
<u>Pelt Dressers</u>				
FOOD AND BEVERAGE PROCESSORS				
<u>Grain Millers and Related Workers</u>				
Grain Miller	7710	1	10	1
Grain Mill Owner-Operator	7711	0	0	0
<u>Sugar Processors and Refiners</u>				
Sugar Boiler	7720	0	0	0
<u>Butchers and Meat Preparers</u>				
Butcher	7730	0	0	0
Packing House Butcher	7731	71	112	51
Master Butcher	7732	0	0	0
<u>Food Preservers</u>				
Cannery Worker	7740	15	9	9
<u>Dairy Product Processors</u>				
	7750	0	0	0
<u>Bakers, Pastrycooks and Confectionery Makers</u>				
Baker	7760	38	67	14
Master Baker	7761	0	0	0
<u>Tea, Coffee and Cocoa Preparers</u>				
	7770	0	0	0
<u>Brewers, Wine and Beverage Makers</u>				
Moonshiner	7780	0	0	0
<u>Food and Beverage Processors n.e.c.</u>				
Fish Butcher	7790	6	1	10
TOBACCO PREPARERS AND TOBACCO PRODUCT MAKERS				
<u>Tobacco Preparers</u>				
	7810	0	0	0
<u>Cigar Makers</u>				
Cigar Maker	7820	0	0	0
<u>Cigarette Makers</u>				
	7830	0	0	0
<u>Tobacco Preparers and Tobacco Product Makers n.e.c.</u>				
Tobacco Factory Worker	7890	0	0	0
TAILORS, DRESSMAKERS, SEWERS, UPHOLSTERERS AND RELATED WORKERS				
<u>Tailors and Dressmakers</u>				
Tailor	7910	22	68	14
Custom Seamstress	7911	53	3	15
<u>Fur Tailors and Related Workers</u>				
Fur Coat Tailor	7920	1	4	0
	Code	R	Father	Spouse
<u>Milliners and Hatmakers</u>				

Milliner	7930	5	1	3
<u>Patternmakers and Cutters</u>				
Garment Cutter	7940	81	64	42
<u>Sewers and Embroiderers</u>				
Sewing Machine Operator	7950	356	22	202
<u>Upholsterers and Related Workers</u>				
Upholsterer	7960	20	24	17
<u>Tailors, Dressmakers, Sewers, Upholsterers and Related Workers n.e.c.</u>	7990	51	10	27
SHOEMAKERS AND LEATHER GOODS MAKERS				
<u>Shoemakers and Shoe Repairers</u>				
Shoemaker, Repairer	8010	5	30	2
<u>Shoe Cutters, Lasters, Sewers and Related Workers</u>	8020	13	17	11
<u>Leather Goods Makers</u>				
Leather Worker	8030	0	0	0
CABINETMAKERS AND RELATED WOODWORKERS				
<u>Cabinetmakers</u>				
Cabinetmaker	8110	17	54	15
<u>Woodworking-Machine Operators</u>	8120	13	17	9
<u>Cabinetmakers and Related Woodworkers n.e.c.</u>				
Cooper	8190	0	0	0
Wood Vehicle Builder	8191	0	0	0
STONE CUTTERS AND CARVERS				
<u>Stone Cutters and Carvers</u>				
Tombstone Carver	8200	1	5	1
BLACKSMITHS, TOOLMAKERS AND MACHINETOOL OPERATORS				
<u>Blacksmiths, Hammersmiths and Forging-Press Operators</u>				
Blacksmith	8310	6	65	3
Forging-Press Operator	8311	2	10	6
<u>Toolmakers, Metal Patternmakers and Metal Markers</u>				
Tool and Die Maker	8320	41	82	24
Metal Patternmaker	8321	0	0	0
<u>Machine-Tool Setter-Operators</u>				
Machine Set-Up Man	8330	14	20	2
Turner	8331	0	0	0
<u>Machine-Tool Operators</u>				
Machine Operator in Factory	8340	742	833	473
<u>Metal Grinders, Polishers and Tool Sharpeners</u>				
Saw Sharpener	8350	0	0	0
Polishing Machine Operator	8351	30	43	28
<u>Blacksmiths, Toolmakers and Machine-Tool Operators n.e.c.</u>				
Locksmith	8390	0	0	0
MACHINERY FITTERS, MACHINE ASSEMBLERS AND PRECISION INSTRUMENT MAKERS (EXCEPT ELECTRICAL)				
	8400	124	118	76
<u>Machinery Fitters and Machine Assemblers</u>				
Machinist or Fitter	8410	113	232	96
Aircraft Worker	8411	0	0	0
Millwright	8412	26	50	21
	Code	R	Father	Spouse
<u>Watch, Clock and Precision Instrument Makers</u>				

Watch Maker, Repairman	8420	0	0	0
Fine Fitter	8421	0	0	0
Dental Mechanic	8422	5	6	12
<u>Motor Vehicle Mechanics</u>				
Garage Mechanic	8430	201	305	176
Garage Operator	8431	0	0	0
<u>Aircraft Engine Mechanics</u>				
Airplane Mechanic	8440	36	41	30
<u>Machinery Fitters, Machine Assemblers and Precision Instrument Makers (Except Electrical) n.e.c.</u>				
Mechanic, Repairman	8490	247	338	174
Bicycle Repairman	8491	0	0	0
Mechanic's Helper	8492	7	10	3
Assembly Line Worker	8493	321	145	177
Unskilled Garage Worker	8494	55	21	17
ELECTRICAL FITTERS AND RELATED ELECTRICAL AND ELECTRONICS WORKERS				
<u>Electrical Fitters</u>				
Electrical Fitter	8510	14	2	5
<u>Electronics Fitters</u>				
	8520	0	0	0
<u>Electrical and Electronic Equipment Assemblers</u>				
Electronic Assembler	8530	0	0	0
<u>Radio and Television Repairmen</u>				
Radio, TV Repairman	8540	34	28	41
<u>Electrical Wiremen</u>				
Electrician	8550	148	203	79
Master Electrician (Own Shop)	8551	0	0	0
<u>Telephone and Telegraph Installers</u>				
Telephone Installer	8560	42	35	34
<u>Electric Linemen and Cable Jointers</u>				
Power Lineman	8570	46	45	39
<u>Electrical Fitters and Related Electrical and Electronics Workers n.e.c.</u>				
	8590	23	6	10
BROADCASTING STATION AND SOUND EQUIPMENT OPERATORS AND CINEMA PROJECTIONISTS				
<u>Broadcasting Station Operators</u>				
Broadcasting Station Operator	8610	0	0	0
<u>Sound Equipment Operators and Cinema Projectionists</u>				
Motion Picture Projectionist	8620	4	5	1
PLUMBERS, WELDERS, SHEET METAL AND STRUCTURAL METAL PREPARERS AND ERECTORS				
<u>Plumbers and Pipe Fitters</u>				
Plumber	8710	95	182	75
Master Plumber (Own Business)	8711	0	0	0
<u>Welders and Flame-Cutters</u>				
Welder	8720	146	200	116
<u>Sheet-Metal Workers</u>				
Sheet-Metal Worker	8730	59	100	47
Copper, Tin Smith	8731	0	0	0
Boilermaker	8732	8	21	4
Vehicle Body Builder	8733	0	0	0
	Code	R	Father	Spouse
<u>Structural Metal Preparers and Erectors</u>				

Structural Steel Worker	8740	28	33	23
JEWELRY AND PRECIOUS METAL WORKERS				
<u>Jewelry and Precious Metal Workers</u>				
Jeweler, Goldsmith	8800	9	22	14
Master Jeweler, Goldsmith	8801	0	0	0
GLASS FORMERS, POTTERS AND RELATED WORKERS				
<u>Glass Formers, Cutters, Grinders and Finishers</u>				
Lens Grinder	8910	8	4	1
Glass Blower	8911	0	0	0
<u>Potters and Related Clay and Abrasive</u>				
Potter	8920	0	0	0
<u>Glass and Ceramics Kilnmen</u>				
	8930	0	0	0
<u>Glass Engravers and Etchers</u>				
	8940	0	0	0
<u>Glass and Ceramics Painters and Decorators</u>				
	8950	0	0	0
<u>Glass Formers, Potters, and Related Workers n.e.c.</u>				
	8990	0	0	0
RUBBER AND PLASTICS PRODUCT MAKERS				
<u>Rubber and Plastics Product Makers (Except Tire Makers and Tire Vulcanizers)</u>				
	9010	0	0	0
<u>Tire Makers and Vulcanizers</u>				
	9020	0	0	0
PAPER AND PAPERBOARD PRODUCTS MAKERS				
<u>Paper and Paperboard Products Makers</u>				
	9100	0	0	0
PRINTERS AND RELATED WORKERS				
<u>Compositors and Typesetters</u>				
Printer	9210	0	1	1
Master Printer	9211	34	47	21
<u>Printing Pressmen</u>				
Printing Pressman	9220	41	42	29
<u>Stereotypers and Electrotypers</u>				
	9230	0	1	0
<u>Printing Engravers (Except Photoengravers)</u>				
Metal Engraver	9240	4	6	4
<u>Photoengravers</u>				
Photoengraver	9250	10	14	11
<u>Bookbinders and Related Workers</u>				
Bookbinder	9260	16	7	11
<u>Photographic Darkroom Workers</u>				
Photograph Developer	9270	18	3	12
<u>Printers and Related Workers n.e.c.</u>				
Graphics Printer	9290	0	0	0
PAINTERS				
<u>Painters, Construction</u>				
Building Painter	9310	99	179	59
Master Building Painter	9311	3	8	4
	Code	R	Father	Spouse
<u>Painters n.e.c.</u>				

Automobile Painter	9390	30	24	17
PRODUCTION AND RELATED WORKERS n.e.c.				
<u>Musical Instrument Makers and Tuners</u>				
Piano Tuner	9410	4	4	1
<u>Basketry Weavers and Brush Makers</u>				
Basketweaver	9420	0	0	0
<u>Non-Metallic Mineral Product Makers</u>				
9430	0	0	0	0
<u>Other Production and Related Workers</u>				
Quality Checker	9490	256	156	158
Ivory Carver	9491	0	0	0
Taxidermist	9492	0	0	0
Calabash Maker	9493	0	0	0
BRICKLAYERS, CARPENTERS AND OTHER CONSTRUCTION WORKERS				
<u>Bricklayers, Stonemasons and Tile Setters</u>				
Mason	9510	59	158	28
<u>Reinforced-Concreters, Cement Finishers and Terrazzo Workers</u>				
Cement Finisher	9520	15	31	15
<u>Roofers</u>				
Roofer	9530	25	33	20
<u>Carpenters, Joiners and Parquetry Workers</u>				
Carpenter	9540	276	632	195
Master Carpenter	9541	0	0	0
Carpenter's Helper	9542	9	2	2
<u>Plasterers</u>				
Plasterer	9550	6	26	4
Master Plasterer	9551	0	0	0
<u>Insulators</u>				
Insulation Installer	9560	5	2	6
<u>Glaziers</u>				
Glazier	9570	6	9	9
<u>Construction Workers n.e.c.</u>				
Paperhanger	9590	2	8	3
Master Paperhanger	9591	0	0	0
Maintenance Man	9592	0	0	0
Skilled Construction Worker	9593	0	0	0
Construction Laborer n.e.c.	9594	13	9	17
Unskilled Construction Laborer	9595	221	346	119
House Builder	9596	0	0	0
STATIONARY ENGINE AND RELATED EQUIPMENT OPERATORS				
<u>Power-Generating Machinery Operators</u>				
Power Station Operator	9610	4	11	6
<u>Stationary Engine and Related Equipment Operators n.e.c.</u>				
Stationary Engineer	9690	39	84	21
MATERIAL-HANDLING AND RELATED EQUIPMENT OPERATORS, DOCKERS AND FREIGHT HANDLERS				
<u>Dockers and Freight Handlers</u>				
Longshoreman	9710	11	33	7
Warehouse Hand	9711	184	173	105
Porter	9712	0	0	0
Railway, Airport Porter	9713	0	0	0
Packer	9714	193	48	94
	Code	R	Father	Spouse
<u>Riggers and Cable Splicers</u>	9720	0	0	0

<u>Crane and Hoist Operators</u>				
Power Crane Operator	9730	61	85	37
Drawbridge Tender	9731	0	0	0
<u>Earth-Moving and Related Machinery Operators</u>				
Road Machinery Operator	9740	102	212	95
<u>Material-Handling Equipment Operators n.e.c.</u>				
	9790	64	53	51
TRANSPORT EQUIPMENT OPERATORS				
<u>Ships' Deck Ratings, Barge Crews and Boatmen</u>				
Seaman	9810	7	22	4
Boatman	9811	1	3	2
<u>Ships' Engine-Room Ratings</u>				
Ship's Engine-Room Hand	9820	0	0	0
<u>Railway Engine Drivers and Firemen</u>				
Locomotive Engineer	9830	21	72	14
Locomotive Fireman	9831	2	12	0
Ore Train Motorman in Mine	9832	8	15	6
<u>Railway Brakemen, Signalmen and Shunters</u>				
Railway Switchman, Brakeman	9840	14	63	20
<u>Motor Vehicle Drivers</u>				
Taxi Driver	9850	36	59	18
Bus, Tram Driver	9851	73	64	52
Driver, Truck Driver	9852	341	548	279
Small Transport Operator	9853	120	201	91
Truck Driver's Helper	9854	0	0	0
Driving Teacher	9855	0	0	0
<u>Animal and Animal-Drawn Vehicle Drivers</u>				
Animal Driver	9860	0	0	0
Wagoneer	9861	0	0	0
<u>Transport Equipment Operators n.e.c.</u>				
Pedal-Vehicle Driver	9890	3	3	3
Railway Crossing Guard	9891	16	6	5
MANUAL WORKERS n.e.c.				
<u>Skilled Workers n.e.c.</u>				
Skilled Worker	9950	9	33	16
Independent Artisan	9951	0	0	0
<u>Semi-Skilled Workers n.e.c.</u>				
Factory Worker	9970	0	0	0
Apprentice	9971	7	5	1
<u>Laborers n.e.c.</u>				
Laborer	9990	557	851	299
Unskilled Factory Laborer	9991	0	0	0
Contract Laborer	9992	0	0	0
Itinerant Worker	9993	0	0	0
Railway Track Worker	9994	0	0	0
Street Sweeper	9995	0	0	0
Garbage Collector	9996	26	34	12
Road Construction Laborer	9997	0	0	0
Not applicable (No OCC, OCC uncodable for ISCO68, Don't know, No Answer)	DK	30820	32787	40523

(based on 1980 U.S. occupational codes)

	Occupation Code	Respondent (ISCO681)	N's		
			R's Father (PAISC681)	R's Spouse (SPISC681)	R's Mother (MAISC681)
PROFESSIONAL TECHNICAL AND RELATED WORKERS					
PHYSICAL SCIENTISTS AND RELATED TECHNICIANS					
<u>Chemists</u>	0110	31	60	24	7
<u>Physicists</u>	0120	4	14	4	1
<u>Physical Scientists n.e.c.</u>	0130	13	11	8	0
Geologist	0131	8	7	7	1
Astronomer	0132	0	0	0	0
Weatherman	0133	0	0	0	0
Scientist	0139	0	0	0	0
<u>Physical Science Technicians</u>	0140	68	33	36	7
ARCHITECTS, ENGINEERS AND RELATED TECHNICIANS					
<u>Architects and Town Planners</u>					
Architect	0210	53	47	25	8
<u>Civil Engineers</u>					
Engineer, Civil Engineer	0220	68	161	46	4
<u>Electrical and Electronics Engineers</u>					
Electrical Engineer	0230	113	213	94	7
<u>Mechanical Engineers</u>					
Mechanical Engineer	0240	76	164	47	2
<u>Chemical Engineers</u>					
Chemical Engineer	0250	25	67	11	3
<u>Metallurgists</u>					
Metallurgist	0260	4	14	3	0
<u>Mining Engineers</u>					
Mining Engineer	0270	3	8	3	0
<u>Industrial Engineers</u>					
Industrial Engineer	0280	86	106	61	3
<u>Engineers n.e.c.</u>					
Engineer n.e.c.	0290	89	97	47	0
<u>Surveyors</u>					
Surveyor	0310	10	17	11	1
<u>Draftsmen</u>					
Tracer	0321	0	0	0	0
Draftsman	0329	0	0	0	0
<u>Civil Engineering Technicians</u>					
Surveyor's Assistant	0330	9	11	4	0
<u>Electrical and Electronics Engineering Technicians</u>	0340	144	51	77	9
<u>Mechanical Engineering Technicians</u>	0350	4	1	0	0
<u>Chemical Engineering Technicians</u>	0360	0	0	0	0
<u>Metallurgical Technicians</u>	0370	0	0	0	0
<u>Mining Technicians</u>					
Mining Technician	0380	0	0	0	0
	Code	R	Father	Spouse	Mother
<u>Engineering Technicians n.e.c.</u>					

Engineer's Aide	0390	55	30	25	3
AIRCRAFT AND SHIPS' OFFICERS					
<u>Aircraft Pilots, Navigators and Flight Engineers</u>	0410	37	65	24	0
Astronaut	0411	0	0	0	0
Airline Pilot	0419	0	0	0	0
<u>Ships' Deck Officers and Pilots</u>					
Small Boat Officer	0421	1	2	3	0
Ship's Officer	0429	0	0	0	0
<u>Ships' Engineers</u>					
Ship's Engineer	0430	0	0	0	0
LIFE SCIENTISTS AND RELATED TECHNICIANS					
<u>Biologists, Zoologists and Related Scientists</u>					
Biologist	0510	26	2	10	9
<u>Bacteriologists, Pharmacologists and Related Scientists</u>					
Dairy Scientist	0521	0	0	0	0
Medical Researcher	0529	0	0	0	0
<u>Agronomists and Related Scientists</u>	0530	18	29	15	3
Agricultural Agent	0531	0	0	0	0
Agronomist	0539	0	0	0	0
<u>Life Sciences Technicians</u>	0540	128	16	58	39
Agricultural Technician	0541	0	0	0	0
Medical Technician	0549	118	6	46	28
MEDICAL, DENTAL, VETERINARY AND RELATED WORKERS					
<u>Medical Doctors</u>	0610	124	182	100	30
Chief Physician in Hospital	0611	0	0	0	0
Physician	0619	0	0	0	0
<u>Medical Assistants</u>					
Medical Assistant	0620	188	6	60	50
<u>Dentists</u>					
Dentist	0630	43	57	27	13
<u>Dental Assistants</u>	0640	71	0	48	55
<u>Veterinarians</u>					
Veterinarian	0650	11	21	11	3
<u>Veterinary Assistants</u>	0660	0	0	0	0
<u>Pharmacists</u>					
Pharmacist	0670	35	43	20	14
<u>Pharmaceutical Assistants</u>					
Uncertified Pharmacist	0680	0	0	0	0
<u>Dietitians and Public Health Nutritionists</u>					
Dietitian	0690	26	2	15	35
<u>Professional Nurses</u>	0710	738	23	366	852
Head Nurse	0711	0	0	0	0
Professional Nurse, Nurse	0719	0	0	0	0
<u>Nursing Personnel n.e.c.</u>					
Uncertified Nurse	0720	0	0	0	0
<u>Professional Midwives</u>					
Professional Midwife, Midwife	0730	0	0	0	0
Code	R		Father	Spouse	Mother
<u>Midwifery Personnel n.e.c.</u>	0740	0	0	0	0

<u>Optometrists and Opticians</u>					
Optician	0751	0	0	0	0
Optometrist	0759	7	10	8	2
<u>Physiotherapists and Occupational Therapists</u>					
Occupational Therapist	0760	16	5	10	3
Masseur	0761	16	0	10	5
Physiotherapist	0762	0	0	0	0
	0769	31	1	22	13
<u>Medical X-Ray Technician</u>					
	0770	37	10	21	11
<u>Medical, Dental, Veterinary and Related Workers n.e.c.</u>					
Chiropractor	0790	77	14	33	17
Herbalist	0791	0	0	0	0
Sanitary Officer	0792	0	0	0	0
Osteopath	0793	0	0	0	0
	0799	0	0	0	0
STATISTICIANS, MATHEMATICIANS, SYSTEMS ANALYSTS AND RELATED TECHNICIANS					
<u>Statisticians</u>					
Statistician	0810	10	6	6	1
<u>Mathematicians and Actuaries</u>					
Mathematician	0820	2	0	2	0
<u>Systems Analysts</u>					
	0830	389	74	177	22
<u>Statistical and Mathematical Technicians</u>					
Computer Programmer	0849	147	62	75	28
ECONOMISTS					
<u>Economists</u>					
Economist	0900	62	19	23	7
ACCOUNTANTS					
<u>Accountants</u>					
Professional Accountant	1100	351	265	173	142
Accountant	1101	0	0	0	0
	1109	0	0	0	0
JURISTS					
<u>Lawyers</u>					
Public Prosecutor	1211	0	0	0	0
Lawyer, Trial Lawyer	1219	258	171	144	42
<u>Judges</u>					
Supreme Court Justice	1221	0	0	0	0
Local Court Judge	1222	0	0	0	0
Judge	1229	5	10	2	5
<u>Jurists n.e.c.</u>					
Legal Advisor Without Degree	1291	0	0	0	0
Non-Trial Lawyer	1299	0	0	0	0
TEACHERS					
<u>University and Higher Education Teachers</u>					
University Professor	1310	253	156	124	57
University President, Dean	1311	0	0	0	0
	1319	0	0	0	0
<u>Secondary Education Teachers</u>					
Middle School Teacher	1320	371	193	184	227
High School Teacher	1321	0	0	0	0
	1329	0	0	0	0
<u>Primary Education Teachers</u>					
Teacher, Primary Teacher	1330	695	129	383	624
	Code	R	Father	Spouse	Mother
<u>Pre-Primary Education Teachers</u>					

Pre-Primary Teacher	1340	110	1	58	79
<u>Special Education Teachers</u>	1350	49	2	17	28
<u>Teachers n.e.c.</u>	1390	183	41	83	66
Principal, Primary Principal	1391	0	0	0	0
Education Officer	1392	0	0	0	0
Teacher's Aide	1393	106	1	54	88
Secondary School Principal	1394	0	0	0	0
Vocational Teacher	1399	0	0	0	0
WORKERS IN RELIGION					
<u>Ministers of Religion and Related Members of Religious Orders</u>	1410	81	197	56	2
High Church Official	1411	0	0	0	0
Religious Reciter	1412	0	0	0	0
Evangelist	1413	0	0	0	0
Missionary	1414	0	0	0	0
Member of Religious Order	1415	0	0	0	0
Assistant Priest	1416	0	0	0	0
Clergyman	1419	0	0	0	0
<u>Workers in Religion n.e.c.</u>	1490	21	5	10	9
Faith Healer	1491	0	0	0	0
Religious Teacher	1499	0	0	0	0
AUTHORS, JOURNALISTS AND RELATED WRITERS					
<u>Authors and Critics</u>					
Pulp Writer	1511	0	0	0	0
Author	1519	33	3	10	1
<u>Authors, Journalists and Related Writers n.e.c.</u>	1590	108	29	36	37
Newspaper Editor	1591	0	0	0	0
Advertising Writer	1592	0	0	0	0
Public Relations Man	1593	56	17	20	7
Journalist	1599	0	0	0	0
SCULPTORS, PAINTERS, PHOTOGRAPHERS AND RELATED CREATIVE ARTISTS					
<u>Sculptors, Painters and Related Artists</u>					
Artist	1610	83	22	33	28
<u>Commercial Artists and Designers</u>					
Designer	1621	159	47	51	56
Window Display Artist	1622	0	0	0	0
Commercial Artist	1629	0	0	0	0
<u>Photographers and Cameramen</u>					
TV Cameraman	1631	0	0	0	0
Photographer	1639	36	24	21	4
COMPOSERS AND PERFORMING ARTISTS					
<u>Composers, Musicians and Singers</u>	1710	56	25	23	16
Jazz Musician	1711	0	0	0	0
Musical Entertainer	1712	0	0	0	0
Music Teacher	1713	0	0	0	0
Musician, Classical Musician	1719	0	0	0	0
<u>Choreographers and Dancers</u>	1720	11	0	4	1
Dancing Teacher	1721	0	0	0	0
Dancer	1729	0	0	0	0
<u>Actors and Stage Directors</u>	1730	47	7	19	4
Star Actor	1731	0	0	0	0
Dramatic Director	1732	0	0	0	0
Actor	1739	0	0	0	0
	Code	R	Father	Spouse	Mother
<u>Producers, Performing Arts</u>					

Dramatic Producer	1740	0	0	0	0
<u>Circus Performers</u>	1750	0	0	0	0
<u>Performing Artists n.e.c.</u>	1790	25	12	11	5
Entertainer	1791	0	0	0	0
Radio, TV Announcer	1799	10	3	6	2
ATHLETES, SPORTSMEN AND RELATED WORKERS					
<u>Athletes, Sportsmen and Related Workers</u>					
Coach, Manager	1801	0	0	0	0
Professional Athlete	1809	32	4	7	0
PROFESSIONAL, TECHNICAL AND RELATED WORKERS n.e.c.					
<u>Librarians, Archivists and Curators</u>					
Librarian	1910	73	4	37	57
<u>Sociologists, Anthropologists and Related Scientists</u>					
Psychologist	1921	66	17	24	9
Archeologist	1922	0	0	0	0
Historian	1923	0	0	0	0
Social Scientist n.e.c.	1924	8	5	4	3
Sociologist	1929	1	0	0	0
<u>Social Workers</u>					
Group Worker	1931	0	0	0	0
Social Worker	1939	276	43	107	100
<u>Personnel and Occupational Specialists</u>					
Job Counselor	1940	204	57	128	58
Personnel Director	1941	0	0	0	0
	1949	0	0	0	0
<u>Philologists, Translators and Interpreters</u>					
Philologist	1951	0	0	0	0
Translator	1959	0	0	0	0
<u>Other Professional, Technical and Related Workers</u>					
Diviner	1991	0	0	0	0
Fingerprint Expert	1992	0	0	0	0
Explorer	1993	0	0	0	0
Peace Corps Member	1994	0	0	0	0
Advertising Executive	1995	0	0	0	0
Technician	1999	121	48	44	14
ADMINISTRATIVE AND MANAGERIAL WORKERS					
LEGISLATIVE OFFICIALS AND GOVERNMENT ADMINISTRATORS					
<u>Heads of Government Jurisdiction</u>					
Provincial Governor	2010	164	166	98	39
District Head	2011	0	0	0	0
Head, Large City	2012	0	0	0	0
Head, City or Small City	2013	0	0	0	0
Village Head	2014	0	0	0	0
Chief of State	2015	0	0	0	0
	2019	0	0	0	0
<u>Members of Legislative Bodies</u>					
Member Upper House	2020	4	9	3	1
Member Lower House	2021	0	0	0	0
Member Provincial House	2022	0	0	0	0
Member Local Council	2023	0	0	0	0
Leader of House	2024	0	0	0	0
	2029	0	0	0	0
<u>High Administrative Officials</u>					
Ambassador	2030	5	15	2	1
Diplomat	2031	0	0	0	0
High Civil Servant, Dept. Head	2032	0	0	0	0
	2033	0	0	0	0
	Code	R	Father	Spouse	Mother
Dept. Head, Provincial Government	2034	0	0	0	0

Dept. Head, Local Government	2035	0	0	0	0
Chief's Counselor	2036	0	0	0	0
Government Minister	2039	0	0	0	0
MANAGERS					
<u>General Managers</u>	2110	131	67	83	38
Head of Large Firm	2111	0	0	0	0
Head of Firm	2112	0	0	0	0
Head of Small Firm	2113	0	0	0	0
Banker	2114	0	0	0	0
Banker, Large Bank	2115	0	0	0	0
Building Contractor	2116	0	0	0	0
Member Board of Directors	2119	0	0	0	0
<u>Production Managers (Except Farm)</u>					
Factory Manager	2120	0	0	0	0
<u>Managers n.e.c.</u>	2190	2640	2192	1490	616
Branch Manager	2191	0	0	0	0
Department Manager	2192	34	19	21	15
Department Manager, Large Firm	2193	0	0	0	0
Business Executive	2194	0	0	0	0
Politician, Party Official	2195	0	0	0	0
Union Official	2196	0	0	0	0
High Union Official	2197	0	0	0	0
Businessman	2199	0	0	0	0
CLERICAL AND RELATED WORKERS					
CLERICAL SUPERVISORS					
<u>Clerical Supervisors</u>	3000	178	43	75	62
Office Manager	3009	0	0	0	0
GOVERNMENT EXECUTIVE OFFICIALS					
<u>Government Executive Officials</u>	3100	11	0	9	3
Civil Servant, Minor Civil Servant	3101	0	0	0	0
Government Inspector	3102	78	97	53	7
Customs Inspector	3103	0	0	0	0
Tax Collector	3104	0	0	0	0
Middle Rank Civil Servant	3109	0	0	0	0
STENOGRAPHERS, TYPISTS AND CARD- AND TAPE-PUNCHING MACHINE OPERATORS					
<u>Stenographers, Typists and Teletypists</u>					
Secretary	3211	969	14	490	1084
Typist, Stenographer	3219	91	5	45	48
<u>Card- and Tape-Punching Machine Operators</u>					
Keypunch Operator	3220	121	6	40	43
BOOKKEEPERS, CASHIERS AND RELATED WORKERS					
<u>Bookkeepers and Cashiers</u>					
Cashier	3311	648	17	192	349
Head Cashier	3312	0	0	0	0
Bank Teller	3313	111	8	58	101
Post Office Clerk	3314	0	0	0	0
Ticket Seller	3315	0	0	0	0
Bookkeeper	3319	424	55	231	352
<u>Bookkeepers, Cashiers and Related Workers n.e.c.</u>					
Bill Collector	3391	72	1	35	13
Financial Clerk	3399	47	10	16	33
COMPUTING MACHINE OPERATORS					
<u>Bookkeeping and Calculating Machine Operators</u>	3410	39	0	19	5
	Code	R	Father	Spouse	Mother
<u>Automatic Data-Processing Machine Operators</u>					

Computer Operator	3420	66	13	34	13
TRANSPORT AND COMMUNICATIONS SUPERVISORS					
<u>Railway Station Masters</u>					
Railway Stationmaster	3510	0	0	0	0
<u>Postmasters</u>					
Postmaster	3520	9	28	6	12
<u>Transport and Communications Supervisors n.e.c.</u>					
Dispatcher, Expeditor	3590	176	105	94	41
TRANSPORT CONDUCTORS					
<u>Transport Conductors</u>					
Bus, Streetcar Conductor	3601	0	0	0	0
Sleeping Car Porter	3602	0	0	0	0
Railroad Conductor	3609	15	86	8	0
MAIL DISTRIBUTION CLERKS					
<u>Mail Distribution Clerks</u>					
Office Boy, Messenger	3700	135	80	49	62
Mail Carrier	3701	35	6	14	0
	3709	77	159	45	23
TELEPHONE AND TELEGRAPH OPERATORS					
<u>Telephone and Telegraph Operators</u>					
Telegraph Operator	3800	2	2	1	1
Radio Operator	3801	1	6	1	1
Telephone Operator	3802	0	0	0	0
	3809	91	4	26	103
CLERICAL AND RELATED WORKERS n.e.c.					
<u>Stock Clerks</u>					
Shipping Clerk	3911	158	59	69	31
Stockroom Attendant	3919	132	46	59	27
<u>Material and Production Planning Clerks</u>					
	3920	179	32	70	54
<u>Correspondence and Reporting Clerks</u>					
Government Office Clerk	3930	3	0	1	1
Law Clerk	3931	0	0	0	0
Office Clerk	3932	0	0	0	0
	3939	414	58	162	224
<u>Receptionists and Travel Agency Clerks</u>					
Transportation Agent	3940	31	0	10	8
Railway Baggage Man	3941	0	0	0	0
Travel Agent	3942	0	0	0	0
Floor Walker	3943	0	0	0	0
Receptionist	3944	0	0	0	0
	3949	231	6	122	95
<u>Library and Filing Clerks</u>					
Filing Clerk	3951	71	6	35	27
Library Assistant	3959	48	3	14	14
<u>Clerks n.e.c.</u>					
Political Party Worker	3990	358	52	168	111
Meter Reader	3992	0	0	0	0
Proofreader	3993	11	19	7	0
	3999	6	1	1	10
SALES WORKERS					
MANAGERS (WHOLESALE AND RETAIL TRADE)					
<u>Managers (Wholesale and Retail Trade)</u>					
Service Station Manager	4001	0	0	0	0
Credit Manager	4002	0	0	0	0
	Code	R	Father	Spouse	Mother
Retail Manager	4009	0	0	0	0

WORKING PROPRIETORS (WHOLESALE AND RETAIL TRADE)

Working Proprietors (Wholesale and Retail Trade)

Large Shop Owner	4101	0	0	0	0
One-Man Stand Operator	4102	0	0	0	0
Automobile Dealer	4103	0	0	0	0
Broker	4104	0	0	0	0
Livestock Broker	4105	0	0	0	0
Wholesale Distributor	4106	0	0	0	0
Smuggler	4107	0	0	0	0
Labor Contractor	4108	0	0	0	0
Shop Keeper	4109	0	0	0	0

SALES SUPERVISORS AND BUYERS

Sales Supervisors

Sales Manager	4210	713	841	406	259
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Buyers

Purchasing Agent	4220	105	74	50	22
Agricultural Buyer	4221	0	0	0	0
Buyer	4222	5	19	5	1
	4229	0	0	0	0

TECHNICAL SALESMAN, COMMERCIAL TRAVELLERS AND MANUFACTURERS' AGENTS

Technical Salesmen and Service Advisers

Utility Co. Salesman	4311	0	0	0	0
Sales Engineer	4319	8	3	4	0

Commercial Travellers and Manufacturers' Agents

Traveling Salesman	4320	285	365	164	37
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INSURANCE, REAL ESTATE, SECURITIES AND BUSINESS SERVICES

SALESMEN AND AUCTIONEERS

	4400	103	38	56	19
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Insurance, Real Estate and Securities Salesman

Real Estate Agent	4410	192	53	89	57
Stock Broker	4411	218	98	106	104
Insurance Agent	4412	86	31	43	5
	4419	160	215	86	43

Business Services Salesmen

Advertising Salesman	4420	42	15	24	4
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Auctioneers

Auctioneer	4430	0	0	0	0
Appraiser	4431	201	14	73	46
Insurance Claims Investigator	4432	87	18	30	19

SALESMEN, SHOP ASSISTANTS AND RELATED WORKERS

Salesmen, Shop Assistants and Demonstrators

Automobile Salesman	4511	0	0	0	0
Gas Station Attendant	4512	0	0	0	0
Model	4513	18	0	5	5
Sales Demonstrator	4514	0	0	0	0
Sales Clerk	4519	920	434	406	622

Street Vendors, Canvassers and Newsvendors

Street Vendor, Peddler	4520	38	98	32	4
Telephone Solicitor	4521	98	30	34	58
Newspaper Seller	4522	0	0	0	0
Routeman	4523	16	9	7	8
Narcotics Peddler	4524	0	0	0	0
Market Trader	4525	0	0	0	0
	4529	0	0	0	0

SALES WORKERS n.e.c.

Sales Workers n.e.c.

Money Lender	4900	12	4	8	0
	Code	R	Father	Spouse	Mother

SERVICE WORKERS

MANAGERS (CATERING AND LODGING SERVICES)

Managers (Catering and Lodging Services)

Hotel Manager	5001	0	0	0	0
Apartment Manager	5002	0	0	0	0
Bar Manager	5009	0	0	0	0

WORKING PROPRIETORS (CATERING AND LODGING SERVICES)

Working Proprietors (Catering and Lodging Services)

Lunchroom, Coffee Shop Operator	5101	0	0	0	0
Hotel Operator	5102	0	0	0	0
Boardinghouse Keeper	5103	0	0	0	0
Pub Keeper	5104	0	0	0	0
Restaurant Owner	5109	0	0	0	0

HOUSEKEEPING AND RELATED SERVICE SUPERVISORS

Housekeeping and Related Service Supervisors

Housekeeper	5201	0	0	0	0
Steward	5209	0	0	0	0

COOKS, WAITERS, BARTENDERS AND RELATED WORKERS

Cooks

Master Cook	5311	0	0	0	0
Cook's Helper	5312	78	8	20	29
Cook	5319	405	101	141	444

Waiters, Bartenders and Related Workers

Bartender	5321	97	28	26	36
Soda Fountain Clerk	5322	86	7	28	32
Waiter	5329	466	26	113	451

MAIDS AND RELATED HOUSEKEEPING SERVICE WORKERS n.e.c.

Maids and Related Housekeeping Service Workers n.e.c.

Nursemaid	5401	396	3	164	238
Hotel Chambermaid	5402	0	0	0	0
Hotel Concierge	5403	0	0	0	0
Servant	5409	0	0	0	0

BUILDING CARETAKERS, CHARWORKERS, CLEANERS AND RELATED WORKERS

Building Caretakers

Concierge (Apartment House)	5511	0	0	0	0
Sexton	5512	0	0	0	0
Janitor	5519	0	0	0	0

Charworkers, Cleaners and Related Workers

Window Washer	5521	0	0	0	0
Chimney Sweep	5522	0	0	0	0
Charworker	5529	0	0	0	0

LAUNDERERS, DRY-CLEANERS AND PRESSERS

Launderers, Dry-Cleaners and Pressers

Launderer	5600	111	48	28	157
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HAIRDRESSERS, BARBERS, BEAUTICIANS AND RELATED WORKERS

Hairdressers, Barbers, Beauticians and Related Workers

Master Barber	5701	0	0	0	0
Beautician	5702	241	15	101	199
Operator of Hairdressing Salon	5703	0	0	0	0
Barber	5709	18	66	11	4

Code	R	Father	Spouse	Mother
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PROTECTIVE SERVICE WORKERS

<u>Fire-Fighters</u>					
Fireman	5810	71	125	37	1
<u>Police and Detectives</u>					
Police Officer	5821	20	21	7	1
High Police Official	5822	0	0	0	0
Specialized Law Officer	5823	0	0	0	0
Policeman	5829	144	198	78	21
<u>Protective Service Workers n.e.c.</u>					
Prison Guard	5890	207	142	99	38
Bailiff	5891	56	31	42	3
Bailiff	5892	0	0	0	0
Armed Forces ¹	5895	162	419	122	20
Watchman	5899	0	0	0	0
SERVICE WORKERS n.e.c.	5900	131	9	40	54
<u>Guides</u>					
Museum Attendant	5910	6	0	7	0
<u>Undertakers and Embalmers</u>					
Undertaker	5920	13	23	5	5
<u>Other Service Worker</u>					
Entertainment Attendant	5990	32	21	20	8
Elevator Operator	5991	48	10	17	13
Hotel Bell Boy	5992	1	5	2	4
Doorkeeper	5993	0	0	0	0
Shoe Shiner	5994	0	0	0	0
Shoe Shiner	5995	0	0	0	0
Airline Stewardess	5996	0	0	0	0
Bookmaker	5997	0	0	0	0
Bell Captain in Hotel	5998	6	9	4	1
Medical Attendant	5999	626	16	184	461
AGRICULTURAL, ANIMAL HUSBANDRY AND FORESTRY WORKERS, FISHERMEN AND HUNTERS					
FARM MANAGERS AND SUPERVISORS					
<u>Farm Managers and Supervisors</u>					
Farm Foreman	6000	49	103	21	3
Farm Manager	6001	6	22	2	2
	6009	0	0	0	0
FARMERS					
<u>General Farmers</u>					
Large Farmer	6110	223	2845	144	91
Small Farmer	6111	0	0	0	0
Tenant Farmer	6112	0	0	0	0
Share Cropper	6113	0	0	0	0
Collective Farmer	6114	0	0	0	0
Settler	6115	0	0	0	0
Unpaid Family Farm Worker	6116	0	0	0	0
Farmer	6117	0	0	0	0
	6119	0	0	0	0
<u>Specialized Farmers</u>					
Specialized Farmer	6120	16	21	5	0
AGRICULTURAL AND ANIMAL HUSBANDRY WORKERS					
<u>General Farm Workers</u>					
Migrant Worker	6210	146	452	43	141
Migrant Worker	6211	0	0	0	0
Farm Hand	6219	0	0	0	0
<u>Field Crop and Vegetable Farm Workers</u>					
Field Crop Worker	6220	0	423	0	0

¹This code is not part of the International Standard Classification Codes. It is a code used by NORC.

	Code	R	Father	Spouse	Mother
<u>Orchard, Vineyard and Related Tree and Shrub Crop Workers</u>					

Palmwine Harvester	6230	0	0	0	0
<u>Livestock Workers</u>					
Livestock Worker	6240	29	10	11	6
<u>Dairy Farm Worker</u>					
Milker	6250	0	0	0	0
<u>Poultry Farm Workers</u>	6260	0	0	0	0
<u>Nursery Workers and Gardeners</u>					
Gardener	6270	140	128	74	13
<u>Farm Machinery Operators</u>					
Tractor Driver	6280	0	0	0	0
<u>Agricultural and Animal Husbandry Workers n.e.c.</u>					
Gatherer	6291	0	0	0	0
Skilled Farm Worker	6299	0	0	0	0
FORESTRY WORKERS					
<u>Loggers</u>	6310	1	11	1	0
Whistle Punk	6311	0	0	0	0
Logger	6319	20	108	14	2
<u>Forestry Workers (Except Logging)</u>	6320	7	6	3	1
Timber Cruiser	6321	0	0	0	0
Tree Surgeon	6322	0	0	0	0
Forester	6329	0	0	0	0
FISHERMEN, HUNTERS AND RELATED WORKERS					
<u>Fishermen</u>	6410	19	60	4	1
Fisherman With Own Boat	6411	0	0	0	0
Fisherman	6419	0	0	0	0
<u>Fishermen, Hunters and Related Workers n.e.c.</u>	6490			1	
Hunter	6491	0	2	1	0
Whaler	6499	0	0	0	0
PRODUCTION AND RELATED WORKERS, TRANSPORT EQUIPMENT OPERATORS AND LABORERS					
PRODUCTION SUPERVISORS AND GENERAL FOREMEN					
<u>Production Supervisors and General Foreman</u>	7000	524	988	379	67
Supervisor	7001	0	0	0	0
Foreman	7009	0	0	0	0
MINERS, QUARRYMEN, WELL DRILLERS AND RELATED WORKERS					
<u>Miners and Quarrymen</u>					
Specialized Mine Worker	7110	9	49	3	0
Quarry Worker	7111	2	8	0	0
Instructor in Mine	7112	0	0	0	0
Miner	7113	0	0	0	0
<u>Mineral and Stone Treaters</u>	7119	14	211	5	2
<u>Well Drillers, Borers and Related Workers</u>					
Oil Field Worker	7120	0	0	0	0
METAL PROCESSORS					
<u>Metal Smelting, Converting and Refining Furnacemen</u>					
Steel Mill Worker	7130	9	36	9	0
	Code	R	Father	Spouse	Mother
<u>Metal Rolling-Mill Workers</u>					
Rolling Mill Operator	7210	0	0	0	0

<u>Metal Melters and Reheaters</u>	7220	1	10	1	0
<u>Metal Casters</u>					
Metal Caster	7230	4	4	2	0
<u>Metal Moulders and Coremakers</u>	7240	36		21	11
			41		
<u>Metal Annealers, Temperers, and Case-Hardeners</u>	7250	0	0	0	0
<u>Metal Drawers and Extruders</u>	7260	0	0	0	0
<u>Metal Platers and Coaters</u>	7270	10	5	4	0
Galvinizer	7280	8	8	12	2
<u>Metal Processors n.e.c.</u>	7290	0	0	0	0
WOOD PREPARATION WORKERS AND PAPER MAKERS					
<u>Wood Treaters</u>	7310	0	0	0	0
<u>Sawyers, Plywood Makers and Related Wood-Processing Workers</u>	7320	32	74	15	1
Lumber Grader	7321	0	0	0	0
Sawyer in Saw Mill	7329	0	0	0	0
<u>Paper Pulp Preparers</u>	7330	0	0	0	0
<u>Paper Makers</u>					
Paper Maker	7340	0	0	0	0
CHEMICAL PROCESSORS AND RELATED WORKERS					
<u>Crushers, Grinders and Mixers</u>	7410	26	47	19	8
<u>Cookers, Roasters and Related Heat-Treaters</u>	7420	0	0	0	0
<u>Filter and Separator Operators</u>	7430	14	30	11	4
<u>Still and Reactor Operators</u>	7440	0	0	0	0
<u>Petroleum-Refining Workers</u>					
Petroleum Worker	7450	0	0	0	0
<u>Chemical Processors and Related Workers</u>					
Charcoal Burner	7491	0	0	0	0
Chemical Worker	7499	0	0	0	0
SPINNERS, WEAVERS, KNITTERS, DYERS AND RELATED WORKERS					
<u>Fiber Preparers</u>	7510	0	0	0	0
<u>Spinners and Winders</u>					
Spinner	7520	32	15	10	42
<u>Weaving- and Knitting-Machine Setters and Pattern-Card Preparers</u>					
Machine Loom Fixer, Operator	7530	0	0	0	0
<u>Weavers and Related Workers</u>	7540	19	21	6	40
Cloth Grader	7541	0	0	0	0
Weaver	7549	0	0	0	0
<u>Knitters</u>					
Knitting Machine Operator	7550	0	0	0	0
<u>Bleachers, Dyers and Textile Product Finishers</u>					
Cloth Dyer	7560	0	0	0	0
	Code	R	Father	Spouse	Mother
<u>Spinners, Weavers, Knitters, Dyers and Related Workers n.e.c.</u>					
Textile Mill Worker	7590	0	0	0	0

TANNERS, FELLMONGERS AND PELT DRESSERS

<u>Tanners and Fellmongers</u>	7610	0	0	0	0
<u>Pelt Dressers</u>	7620	0	0	0	0

FOOD AND BEVERAGE PROCESSORS

<u>Grain Millers and Related Workers</u>					
Grain Mill Owner-Operator	7711	0	0	0	0
Grain Miller	7719	0	0	0	0
<u>Sugar Processors and Refiners</u>					
Sugar Boiler	7720	0	0	0	0
<u>Butchers and Meat Preparers</u>					
Packing House Butcher	7730	49	128	27	19
Master Butcher	7731	0	0	0	0
Butcher	7732	0	0	0	0
	7739	0	0	0	0
<u>Food Preservers</u>					
Cannery Worker	7740	0	0	0	0
<u>Dairy Product Processors</u>					
	7750	0	0	0	0
<u>Bakers, Pastrycooks and Confectionery Makers</u>					
Master Baker	7760	47	54	23	29
Baker	7761	0	0	0	0
	7769	0	0	0	0
<u>Tea, Coffee and Cocoa Preparers</u>					
	7770	0	0	0	0
<u>Brewers, Wine and Beverage Makers</u>					
Moonshiner	7780	0	0	0	0
<u>Food and Beverage Processors n.e.c.</u>					
Fish Butcher	7790	21	11	4	16
	7799	0	0	0	0

TOBACCO PREPARERS AND TOBACCO PRODUCT MAKERS

<u>Tobacco Preparers</u>	7810	0	0	0	0
<u>Cigar Makers</u>					
Cigar Maker	7820	0	0	0	0
<u>Cigarette Makers</u>					
	7830	0	0	0	0
<u>Tobacco Preparers and Tobacco Product Makers n.e.c.</u>					
Tobacco Factory Worker	7890	0	0	0	0

TAILORS, DRESSMAKERS, SEWERS, UPHOLSTERERS AND RELATED WORKERS

<u>Tailors and Dressmakers</u>					
Custom Seamstress	7910	43	3	23	191
Tailor	7911	0	0	0	0
	7919	15	42	5	20
<u>Fur Tailors and Related Workers</u>					
Fur Coat Tailor	7920	0	0	0	0
<u>Milliners and Hatmakers</u>					
Milliner	7930	0	0	0	0
<u>Patternmakers and Cutters</u>					
Garment Cutter	7940	7	0	3	0
<u>Sewers and Embroiderers</u>					
Sewing Machine Operator	7950	212	23	83	411
	Code	R	Father	Spouse	Mother
<u>Upholsterers and Related Workers</u>					
Upholsterer	7960	26	20	9	5

<u>Tailors, Dressmakers, Sewers, Upholsterers and Related Workers n.e.c.</u>	7990	33	45	12	52
SHOEMAKERS AND LEATHER GOODS MAKERS					
<u>Shoemakers and Shoe Repairers</u>					
Shoemaker, Repairer	8010	10	36	1	5
<u>Shoe Cutters, Lasters, Sewers and Related Workers</u>	8020	17	10	6	37
<u>Leather Goods Makers</u>					
Leather Worker	8030	0	0	0	0
CABINETMAKERS AND RELATED WOODWORKERS					
<u>Cabinetmakers</u>					
Cabinetmaker	8110	24	27	17	5
<u>Woodworking-Machine Operators</u>	8120	16	13	2	3
<u>Cabinetmakers and Related Woodworkers n.e.c.</u>	8190	15	20	8	3
Wood Vehicle Builder	8191	0	0	0	0
Cooper	8199	0	0	0	0
STONE CUTTERS AND CARVERS					
<u>Stone Cutters and Carvers</u>					
Tombstone Carver	8200	0	0	0	0
BLACKSMITHS, TOOLMAKERS AND MACHINETOOL OPERATORS					
<u>Blacksmiths, Hammersmiths and Forging-Press Operators</u>					
Forging-Press Operator	8311	3	8	0	0
Blacksmith	8319	0	0	0	0
<u>Toolmakers, Metal Patternmakers and Metal Markers</u>					
Metal Patternmaker	8321	1	5	2	0
Tool and Die Maker	8329	35	134	20	1
<u>Machine-Tool Setter-Operators</u>	8330	19	27	11	2
Turner	8331	0	0	0	0
Machine Set-Up Man	8339	0	0	0	0
<u>Machine-Tool Operators</u>					
Machine Operator in Factory	8340	479	622	229	301
<u>Metal Grinders, Polishers and Tool Sharpeners</u>	8350	2	5	6	0
Polishing Machine Operator	8351	28	26	16	3
Saw Sharpener	8359	0	0	0	0
<u>Blacksmiths, Toolmakers and Machine-Tool Operators n.e.c.</u>					
Locksmith	8390	10	5	5	0
MACHINERY FITTERS, MACHINE ASSEMBLERS AND PRECISION INSTRUMENT MAKERS (EXCEPT ELECTRICAL)					
<u>Machinery Fitters and Machine Assemblers</u>					
Aircraft Worker	8411	0	0	0	0
Millwright	8412	0	0	0	0
Machinist or Fitter	8419	0	0	0	0
<u>Watch, Clock and Precision Instrument Makers</u>	8420	6	17	8	2
Fine Fitter	8421	6	14	5	3
Dental Mechanic	8422	12	11	4	5
Watch Maker, Repairman	8429	0	0	0	0
<u>Motor Vehicle Mechanics</u>	8430	206	405	126	4
Garage Operator	8431	0	0	0	0
Garage Mechanic	8439	0	0	0	0
	Code	R	Father	Spouse	Mother
<u>Aircraft Engine Mechanics</u>					
Airplane Mechanic	8440	48	55	32	1

<u>Machinery Fitters, Machine Assemblers and Precision Instrument Makers (Except Electrical) n.e.c.</u>	8490	113	183	81	3
Bicycle Repairman	8491	0	0	0	0
Mechanic's Helper	8492	0	0	0	0
Assembly Line Worker	8493	284	233	145	321
Unskilled Garage Worker	8494	67	53	26	9
Mechanic, Repairman	8499	227	439	119	35
ELECTRICAL FITTERS AND RELATED ELECTRICAL AND ELECTRONICS WORKERS					
<u>Electrical Fitters</u>					
Electrical Fitter	8510	0	0	0	0
<u>Electronics Fitters</u>	8520	80	70	39	1
<u>Electrical and Electronic Equipment Assemblers</u>					
Electronic Assembler	8530	116	66	52	55
<u>Radio and Television Repairmen</u>					
Radio, TV Repairman	8540	23	30	11	0
<u>Electrical Wiremen</u>					
Master Electrician (Own Shop)	8551	0	0	0	0
Electrician	8559	158	314	116	5
<u>Telephone and Telegraph Installers</u>					
Telephone Installer	8560	59	103	33	4
<u>Electric Linemen and Cable Jointers</u>					
Power Lineman	8570	25	41	19	0
<u>Electrical Fitters and Related Electrical and Electronics Workers n.e.c.</u>	8590	17	18	5	0
BROADCASTING STATION AND SOUND EQUIPMENT OPERATORS AND CINEMA PROJECTIONISTS					
<u>Broadcasting Station Operators</u>					
Broadcasting Station Operator	8610	21	15	8	5
<u>Sound Equipment Operators and Cinema Projectionists</u>					
Motion Picture Projectionist	8620	5	5	1	1
PLUMBERS, WELDERS, SHEET METAL AND STRUCTURAL METAL PREPARERS AND ERECTORS					
<u>Plumbers and Pipe Fitters</u>					
Master Plumber (Own Business)	8711	0	0	0	0
Plumber	8719	135	224	80	0
<u>Welders and Flame-Cutters</u>					
Welder	8720	157	247	78	23
<u>Sheet-Metal Workers</u>					
Copper, Tin Smith	8731	0	0	0	0
Boilermaker	8732	4	30	6	0
Vehicle Body Builder	8733	0	0	0	0
Sheet-Metal Worker	8739	22	50	12	0
<u>Structural Metal Preparers and Erectors</u>					
Structural Steel Worker	8740	23	56	16	0
JEWELRY AND PRECIOUS METAL WORKERS					
<u>Jewelry and Precious Metal Workers</u>					
Master Jeweler, Goldsmith	8801	0	0	0	0
Jeweler, Goldsmith	8809	0	0	0	0
GLASS FORMERS, POTTERS AND RELATED WORKERS					
<u>Glass Formers, Cutters, Grinders and Finishers</u>					
Glass Blower	8911	0	0	0	0
	Code	R	Father	Spouse	Mother
Lens Grinder	8919	0	0	0	0

<u>Potters and Related Clay and Abrasive Formers</u>					
Potter	8920	0	0	0	0
<u>Glass and Ceramics Kilnmen</u>					
Glass Engravers and Etchers	8940	0	0	0	0
<u>Glass and Ceramics Painters and Decorators</u>					
Glass Formers, Potters, and Related Workers n.e.c.	8990	0	1	0	0
RUBBER AND PLASTICS PRODUCT MAKERS					
<u>Rubber and Plastics Product Makers (Except Tire Makers and Tire Vulcanizers)</u>					
Tire Makers and Vulcanizers	9020	0	0	0	0
PAPER AND PAPERBOARD PRODUCTS MAKERS					
<u>Paper and Paperboard Products Makers</u>					
Paper and Paperboard Products Makers	9100	0	0	0	0
PRINTERS AND RELATED WORKERS					
<u>Compositors and Typesetters</u>					
Master Printer	9210	14	23	7	7
Printer	9211	0	0	0	0
Printer	9219	0	0	0	0
<u>Printing Pressmen</u>					
Printing Pressman	9220	100	84	38	17
<u>Stereotypers and Electrotypers</u>					
Stereotypers and Electrotypers	9230	0	0	0	0
<u>Printing Engravers (Except Photoengravers)</u>					
Metal Engraver	9240	1	3	1	0
<u>Photoengravers</u>					
Photoengraver	9250	11	10	5	1
<u>Bookbinders and Related Workers</u>					
Bookbinder	9260	12	7	4	10
<u>Photographic Darkroom Workers</u>					
Photograph Developer	9270	22	1	7	10
<u>Printers and Related Workers n.e.c.</u>					
Graphics Printer	9290	0	0	0	0
PAINTERS					
<u>Painters, Construction</u>					
Master Building Painter	9310	94	166	51	3
Master Building Painter	9311	0	0	0	0
Building Painter	9319	0	0	0	0
<u>Painters n.e.c.</u>					
Automobile Painter	9390	38	35	16	5
PRODUCTION AND RELATED WORKERS n.e.c.					
<u>Musical Instrument Makers and Tuners</u>					
Piano Tuner	9410	0	0	0	0
<u>Basketry Weavers and Brush Makers</u>					
Basketweaver	9420	0	0	0	0
<u>Non-Metallic Mineral Product Makers</u>					
Non-Metallic Mineral Product Makers	9430	31	37	13	19
	Code	R	Father	Spouse	Mother
<u>Other Production and Related Workers</u>					
Ivory Carver	9490	61	56	32	28
Ivory Carver	9491	0	0	0	0

Taxidermist	9492	0	0	0	0
Calabash Maker	9493	0	0	0	0
Quality Checker	9499	193	97	89	76

BRICKLAYERS, CARPENTERS AND OTHER CONSTRUCTION WORKERS

Bricklayers, Stonemasons and Tile Setters

Mason	9510	64	149	31	1
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Reinforced-Concreters, Cement Finishers and Terrazzo Workers

Cement Finisher	9520	19	26	12	0
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Roofers

Roofer	9530	50	38	27	2
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Carpenters, Joiners and Parquetry Workers

Master Carpenter	9541	0	0	0	0
Carpenter's Helper	9542	0	0	0	0
Carpenter	9549	0	0	0	0

Plasterers

Master Plasterer	9551	0	0	0	0
Plasterer	9559	6	24	4	0

Insulators

Insulation Installer	9560	11	7	8	0
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Glaziers

Glazier	9570	5	10	6	0
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Construction Workers n.e.c.

Master Paperhanger	9591	0	0	0	0
Maintenance Man	9592	0	0	0	0
Skilled Construction Worker	9593	0	0	0	0
Construction Laborer n.e.c.	9594	731	1253	340	9
Unskilled Construction Laborer	9595	10	4	4	1
House Builder	9596	0	0	0	0
Paperhanger	9599	7	8	2	3

STATIONARY ENGINE AND RELATED EQUIPMENT OPERATORS

Power-Generating Machinery Operators

Power Station Operator	9610	6	7	5	0
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Stationary Engine and Related Equipment Operators n.e.c.

Stationary Engineer	9690	156	416	108	8
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MATERIAL-HANDLING AND RELATED EQUIPMENT OPERATORS, DOCKERS AND FREIGHT HANDLERS

Dockers and Freight Handlers

Warehouse Hand	9710	112	84	45	3
Porter	9711	0	0	0	0
Railway, Airport Porter	9712	120	31	50	48
Packer	9713	0	0	0	0
Longshoreman	9714	178	51	65	172
	9719	8	44	7	0

Riggers and Cable Splicers

	9720	0	0	0	0
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Crane and Hoist Operators

Drawbridge Tender	9730	24	68	18	1
Power Crane Operator	9731	0	0	0	0
	9739	0	0	0	0

Earth-Moving and Related Machinery Operators

Road Machinery Operator	9740	30	48	20	0
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Material-Handling Equipment Operators n.e.c.

	9790	230	229	129	7
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Code	R	Father	Spouse	Mother
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TRANSPORT EQUIPMENT OPERATORS

<u>Ships' Deck Ratings, Barge Crews and Boatmen</u>	9810	5	34	7	0
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Boatman	9811	0	0	0	0
Seaman	9819	0	0	0	0
<u>Ships' Engine-Room Ratings</u>					
Ship's Engine-Room Hand	9820	0	0	0	0
<u>Railway Engine Drivers and Firemen</u>					
Locomotive Fireman	9830	17	78	10	0
Ore Train Motorman in Mine	9831	0	0	0	0
Locomotive Engineer	9832	0	0	0	0
	9839	0	0	0	0
<u>Railway Brakemen, Signalmen and Shunters</u>					
Railway Switchman, Brakeman	9840	0	0	0	0
<u>Motor Vehicle Drivers</u>					
Bus, Tram Driver	9851	128	80	63	75
Driver, Truck Driver	9852	597	963	381	14
Small Transport Operator	9853	0	0	0	0
Truck Driver's Helper	9854	0	0	0	0
Driving Teacher	9855	0	0	0	0
Taxi Driver	9859	57	87	25	9
<u>Animal and Animal-Drawn Vehicle Drivers</u>					
Wagoner	9861	0	0	0	0
Animal Driver	9869	0	0	0	0
<u>Transport Equipment Operators n.e.c.</u>					
Railway Crossing Guard	9890	10	7	5	0
Pedal-Vehicle Driver	9891	22	58	12	11
	9899	0	0	0	0
MANUAL WORKERS n.e.c.					
<u>Skilled Workers n.e.c.</u>					
Independent Artisan	9951	0	0	0	0
Skilled Worker	9959	0	0	0	0
<u>Semi-Skilled Workers n.e.c.</u>					
Apprentice	9971	13	9	10	0
Factory Worker	9979	7	4	7	12
<u>Laborers n.e.c.</u>					
Unskilled Factory Laborer	9990	328	656	172	222
Contract Laborer	9991	0	0	0	0
Itinerant Worker	9992	0	0	0	0
Railway Track Worker	9993	0	0	0	0
Street Sweeper	9994	0	0	0	0
Garbage Collector	9995	0	0	0	0
Road Construction Laborer	9996	9	32	13	1
Laborer	9997	0	0	0	0
	9999	0	0	0	0
Not Applicable (No OCC, OCC uncodable in ISCO681, DK, NA)	IAP	23648	29574	39761	40767

1988 International Standard Classification Codes (based on 1980 U.S. occupational codes)	Occupation Code	Respon- dent (ISCO88)	R's Father (PAISCO88)	R's Spouse (SPISCO88)	R's Mother (MAISCO88)
LEGISLATORS, SENIOR OFFICIALS AND MANAGERS					
LEGISLATORS AND SENIOR OFFICIALS					
<u>Legislators</u>	1110	4	10	3	2
<u>Senior Government Officials</u>	1120	169	181	100	40
<u>Traditional Chiefs and Heads of Villages</u>	1130	0	0	0	0
<u>Senior Officials of Special Interest Organizations</u>					
Senior officials of political-party organizations	1141	0	0	0	0
Senior officials of employers', workers' and other economic-interest organizations	1142	0	0	0	0
Senior officials of humanitarian and other special-interest organizations	1143	0	0	0	0
CORPORATE MANAGERS					
<u>Directors and Chief Executives</u>	1210	28	39	20	7
<u>Production and Operations Department Managers</u>	1220	45	52	14	6
Production and operations department managers in agriculture, hunting, forestry and fishing organizations	1221	12	247	6	11
Production and operations department managers in manufacturing	1222	0	0	0	0
Production and operations department managers in construction	1223	11	47	11	2
Production and operations department managers in wholesale and retail trade	1224	0	0	0	0
Production and operations department managers in restaurants and hotels	1225	46	32	20	29
Production and operations department managers in transport, storage and communications	1226	15	42	9	12
Production and operations department managers in business services	1227	63	15	20	22
Production and operations department managers in personal care, cleaning and related services	1228	0	0	0	0
Production and operations department managers n.e.c.	1229	2481	2077	1401	620
<u>Other Department Managers</u>					
Finance and administration department managers	1231	192	101	120	56
Personnel and industrial relations department managers	1232	45	22	25	21
Sales and marketing department managers	1233	323	260	181	104
Advertising and public relations department managers	1234	4	4	1	0
Supply and distribution managers	1235	21	19	12	2
Computing services department managers	1236	12	5	10	0
Research and development department managers	1237	2	0	1	1
Other department managers n.e.c.	1239	17	9	10	6
<u>Misc. Office Supervisors</u>	1240	159	31	64	52
GENERAL MANAGERS					
<u>General Managers</u>					
General managers in agriculture, hunting, forestry and fishing	1311	28	95	13	4
General managers in manufacturing	1312	0	0	0	0
General managers in construction	1313	22	52	26	0
General managers in wholesale and retail trade	1314	713	841	406	259
General managers of restaurants and hotels	1315	4	4	3	6
General managers of transport, storage and communications	1316	0	0	0	0
General managers of business services	1317	0	0	0	0
General managers of personal care, cleaning and related services	1318	0	0	0	0
General managers n.e.c.	1319	79	91	63	35
PROFESSIONALS					
PHYSICAL, MATHEMATICAL AND ENGINEERING SCIENCE PROFESSIONALS					
<u>Physicists, Chemists and Related Professionals</u>	2110	14	9	9	0
	Code	R	Father	Spouse	Mother
Physicists and astronomers	2111	5	14	4	1
Meteorologists	2112	4	8	1	0

Chemists	2113	32	63	28	8
Geologists and geophysicists	2114	8	7	7	1
<u>Mathematicians, Statisticians and Related Professionals</u>					
Mathematicians and related professionals	2121	21	7	17	3
Statisticians	2122	8	3	4	1
<u>Computing Professionals</u>					
Computer systems designers and analysts					
Computer programmers	2131	329	86	189	31
Computing professionals n.e.c.	2132	162	65	83	35
	2139	0	0	0	0
<u>Architects, Engineers and Related Professionals</u>					
Architects, town and traffic planners	2141	61	58	29	10
Civil engineers	2142	78	185	55	5
Electrical engineers	2143	126	237	101	8
Electronics and telecommunications engineers	2144	4	7	2	0
Mechanical engineers	2145	121	275	90	3
Chemical engineers	2146	25	72	12	3
Mining engineers, metallurgists and related professionals	2147	8	30	7	0
Cartographers and surveyors	2148	12	21	11	2
Architects, engineers and related professionals n.e.c.	2149	279	147	124	10
LIFE SCIENCE AND HEALTH PROFESSIONALS					
<u>Life Science Professionals</u>					
Biologists, botanists, zoologists and related professionals	2211	44	7	16	11
Pharmacologists, pathologists and related professionals	2212	0	0	1	0
Agronomists and related professionals	2213	21	35	17	4
<u>Health Professionals (except nursing)</u>					
Medical doctors	2221	144	224	122	42
Dentists	2222	30	58	25	7
Veterinarians	2223	13	23	12	3
Pharmacists	2224	41	46	22	16
Health professionals (except nursing) n.e.c.	2229	5	2	1	1
<u>Nursing and Midwifery Professionals</u>					
	2230	666	23	325	810
TEACHING PROFESSIONALS					
<u>College, University and Higher Education Teaching Professionals</u>					
	2310	300	196	146	79
<u>Secondary Education Teaching Professionals</u>					
Secondary school teachers	2321	370	193	183	227
<u>Primary and Pre-Primary Education Teaching Professionals</u>					
Primary education teaching professionals	2331	788	140	419	721
Pre-primary education teaching professionals	2332	135	1	69	101
<u>Special Education Teaching Professionals</u>					
	2340	65	2	24	42
<u>Other Teaching Professionals</u>					
Education methods specialists	2351	0	0	0	0
School inspectors	2352	0	0	0	0
Other teaching professionals n.e.c.	2359	205	47	93	81
OTHER PROFESSIONALS					
<u>Business Professionals</u>					
Accountants	2411	408	302	201	183
Personnel and careers professionals	2412	239	63	145	59
Business professionals n.e.c.	2419	89	25	43	20
<u>Legal Professionals</u>					
Lawyers	2421	280	196	165	47
Judges	2422	6	12	3	6
Legal professional n.e.c.	2429	0	0	0	0
	Code	R	Father	Spouse	Mother
<u>Archivists, Librarians and Related Information Professionals</u>					
Archivists and curators	2431	14	3	4	4

Librarians and related information professionals	2432	87	5	48	78
<u>Social Science and Related Professionals</u>	2440	2	0	4	0
Economists	2441	64	21	23	7
Sociologists, anthropologists and related professionals	2442	9	5	4	3
Philosophers, historians and political scientists	2443	0	0	0	0
Philologists, translators and interpreters	2444	5	0	0	0
Psychologists	2445	74	18	31	14
Social work professionals	2446	331	53	137	132
<u>Writers and Creative or Performing Artists</u>					
Authors, journalists and other writers	2451	161	38	51	44
Sculptors, painters and related artists	2452	89	25	33	32
Composers, musicians and singers	2453	6	6	3	5
Choreographers and dancers	2454	0	0	1	0
Film, stage and related actors and directors	2455	52	9	19	5
<u>Religious Professionals</u>	2460	90	229	60	2
TECHNICIANS AND ASSOCIATE PROFESSIONALS					
PHYSICAL AND ENGINEERING SCIENCE ASSOCIATE PROFESSIONALS					
<u>Physical and Engineering Science Technicians</u>	3100	121	48	44	14
Chemical and physical science technicians	3110	5	3	2	3
Civil engineering technicians	3111	72	36	42	7
Electrical engineering technicians	3112	7	16	4	0
Electronics and telecommunications engineering	3113	144	51	77	9
Mechanical engineering technicians	3114	0	0	0	0
Chemical engineering technicians	3115	5	1	0	0
Mining and metallurgical technicians	3116	0	0	0	0
Draughtspersons	3117	0	0	0	0
Physical and engineering science technicians n.e.c.	3118	72	76	26	7
	3119	55	30	25	3
<u>Computer Associate Professionals</u>					
Computer assistants	3121	16	0	8	0
Computer equipment operators	3122	72	13	40	15
Industrial robot controllers	3123	2	1	1	0
<u>Optical and Electronic Equipment Operators</u>					
Photographers and image and sound recording equipment operators	3131	43	28	25	5
Broadcasting and telecommunications equipment operators	3132	37	30	14	9
Medical equipment operators	3133	51	12	24	15
Optical and electronic equipment operators n.e.c.	3139	0	0	0	0
<u>Ship and Aircraft Controllers and Technicians</u>	3140	0	0	0	0
Ships' engineers	3141	0	0	0	0
Ships' deck officers and pilots	3142	2	4	3	0
Aircraft pilots and related associate professionals	3143	38	70	26	0
Air traffic controllers	3144	12	15	4	1
Air traffic safety technicians	3145	0	0	0	0
<u>Safety and Quality Inspectors</u>					
Building and fire inspectors	3151	15	24	12	0
Safety, health and quality inspectors	3152	24	18	11	19
LIFE SCIENCE AND HEALTH ASSOCIATE PROFESSIONALS					
<u>Life Science Technicians and Related Associate Professionals</u>					
Life science technicians	3211	259	25	106	74
Agronomy and forestry technicians	3212	0	1	1	1
Farming and forestry advisers	3213	0	0	0	0
<u>Modern Health Associate Professionals (except nursing)</u>					
Medical assistants	3221	227	13	72	64
Sanitarians	3222	0	0	0	0
Dieticians and nutritionists	3223	29	2	20	46
Optometrists and opticians	3224	10	12	10	2
	Code	R	Father	Spouse	Mother
Dental assistants	3225	82	0	51	68
Physiotherapists and related associate professionals	3226	132	15	72	34

Veterinary assistants	3227	0	0	1	1
Pharmaceutical assistants	3228	0	0	0	0
Modern health associates (except nursing) n.e.c.	3229	74	10	38	20
<u>Nursing and Midwifery Associate Professionals</u>					
Nursing associate professionals	3231	278	7	109	287
Midwifery associate professionals	3232	0	0	0	0
<u>Traditional Medicine Practitioners and Faith Healers</u>					
Traditional medicine practitioners	3241	0	0	0	0
Faith healers	3242	0	0	0	0
TEACHING ASSOCIATE PROFESSIONALS					
<u>Primary Education Teaching Associate Professionals</u>					
	3310	106	1	54	88
<u>Pre-Primary Education Teaching Associate Professionals</u>					
	3320	0	0	0	0
<u>Special Education Teaching Associate Professionals</u>					
	3330	0	0	0	0
<u>Other Teaching Associate Professionals</u>					
	3340	2	1	4	0
OTHER ASSOCIATE PROFESSIONALS					
<u>Finance and Sales Associate Professionals</u>					
Securities and finance dealers and brokers	3410	200	53	94	54
Insurance representatives	3411	91	34	44	6
Estate agents	3412	188	244	99	61
Travel consultants and organizers	3413	250	103	123	129
Technical and commercial sales representatives	3414	0	0	0	0
Buyers	3415	383	442	217	63
Appraisers, valuers and auctioneers	3416	123	113	66	29
Finance and sales associate professionals n.e.c.	3417	304	39	110	70
	3419	0	0	0	0
<u>Business Services Agents and Trade Brokers</u>					
Trade brokers	3421	0	0	0	0
Clearing and forwarding agents	3422	0	1	0	0
Employment agents and labor contractors	3423	0	0	0	0
Business services agents and trade brokers n.e.c.	3429	149	55	83	27
<u>Administrative Associate Professionals</u>					
Administrative secretaries and related associate professionals	3431	0	0	0	0
Legal and related business associate professionals	3432	39	5	20	27
Bookkeepers	3433	0	0	0	0
Statistical, mathematical and related associate professionals	3434	3	0	0	1
Administrative associate professionals n.e.c.	3439	0	0	0	0
<u>Customs, Tax and Related Government Associate Professionals</u>					
Customs and border inspectors	3441	0	0	0	0
Government tax and excise officials	3442	8	0	2	4
Government social benefits officials	3443	12	0	9	4
Government licensing officials	3444	64	79	45	7
Customs, tax and related government associate professionals n.e.c.	3449	0	0	0	0
<u>Police Inspectors and Detectives</u>					
	3450	6	8	2	1
<u>Social Work Associate Professionals</u>					
	3460	89	4	24	36
<u>Artistic, Entertainment and Sports Associate Professionals</u>					
Decorators and commercial designers	3470	25	12	12	5
Radio, television and other announcers	3471	173	52	61	69
Street, night-club and related musicians, singers and dancers	3472	12	6	6	2
Clowns, magicians, acrobats and related associate professionals	3473	67	25	27	17
Athletes, sportspersons and related associate professionals	3474	0	0	0	0
	3475	37	8	8	0
<u>Religious Associate Professionals</u>					
	3480	22	5	10	10
CLERKS					
	4100	417	58	165	226
	Code	R	Father	Spouse	Mother
OFFICE CLERKS					

<u>Secretaries and Keyboard-Operating Clerks</u>	4110	45	8	18	38
Stenographers and typists	4111	114	5	48	60
Word-processor and related operators	4112	0	0	0	0
Data entry operators	4113	126	8	43	51
Calculating-machine operators	4114	50	1	18	8
Secretaries	4115	1079	16	549	1314
<u>Numerical Clerks</u>					
Accounting and bookkeeping clerks	4121	614	81	323	484
Statistical and finance clerks	4122	23	2	9	11
<u>Material-Recording and Transport Clerks</u>					
Store clerks	4131	361	135	151	83
Production clerks	4132	157	29	60	38
Transport clerks	4133	184	106	92	45
<u>Library, Mail and Related Clerks</u>					
Library and filing clerks	4141	78	5	27	34
Mail carriers and sorting clerks	4142	183	255	93	86
Coding, proof-reading and related clerks	4143	6	1	1	11
Scribes and related workers	4144	0	0	0	0
<u>Other Office Clerks</u>	4190	324	46	161	113
CUSTOMER SERVICES CLERKS					
<u>Cashiers, Tellers and Related Clerks</u>					
Cashiers and ticket clerks	4211	720	18	210	411
Tellers and other counter clerks	4212	166	21	77	144
Bookmakers and croupiers	4213	3	2	3	1
Pawnbrokers and money-lenders	4214	0	0	0	0
Debt-collectors and related workers	4215	38	6	18	15
<u>Client Information Clerks</u>					
Travel agency and related clerks	4221	39	14	22	15
Receptionists and information clerks	4222	306	6	147	132
Telephone switchboard operators	4223	101	11	34	131
SERVICE WORKERS AND SHOP MARKET SALES WORKERS	5100	3	7	0	30
PERSONAL AND PROTECTIVE SERVICES WORKERS	5110	66	0	27	0
<u>Travel Attendants and Related Workers</u>					
Travel attendants and travel stewards	5111	4	1	0	0
Transport conductors	5112	18	91	8	0
Travel guides	5113	8	0	7	0
<u>Housekeeping and Restaurant Services Workers</u>					
Housekeepers and related workers	5120	170	11	42	167
Housekeepers and related workers	5121	244	74	119	124
Cooks	5122	490	119	174	533
Waiters, waitresses and bartenders	5123	821	72	203	649
<u>Personal Care and Related Workers</u>					
Child-care workers	5131	442	4	174	295
Institution-based personal care workers	5132	631	17	185	465
Home-based personal care workers	5133	23	5	12	16
Personal care and related workers n.e.c.	5139	1	0	1	3
<u>Other Personal Services Workers</u>					
Hairdressers, barbers, beauticians and related workers	5141	315	99	144	264
Companions and valets	5142	0	0	0	0
Undertakers and embalmers	5143	14	27	5	6
Other personal services workers n.e.c.	5149	0	0	0	0
<u>Astrologers, Fortune-Tellers and Related Workers</u>					
Astrologers and related workers	5151	0	0	0	0
Fortune-tellers, palmists and related workers	5152	0	0	0	0
	Code	R	Father	Spouse	Mother
<u>Protective Services Workers</u>					
Fire-fighters	5161	81	145	41	2

Police officers	5162	221	280	116	27
Prison guards	5163	72	43	50	6
Protective services workers n.e.c.	5169	172	134	88	44
MODELS, SALESPERSONS AND DEMONSTRATORS	5200	18	10	16	9
<u>Fashion and Other Models</u>	5210	18	0	5	5
<u>Shop Salespersons and Demonstrators</u>	5220	1031	499	456	735
<u>Stall and Market Salespersons</u>	5230	0	0	0	0
SKILLED AGRICULTURAL AND FISHERY WORKERS					
MARKET-ORIENTED SKILLED AGRICULTURAL AND FISHERY WORKERS					
<u>Market Gardeners and Crop Growers</u>					
Field crop and vegetable growers	6111	0	0	0	0
Tree and shrub crop growers	6112	0	0	0	0
Gardeners, horticultural and nursery growers	6113	65	49	30	2
Mixed-crop growers	6114	0	0	0	0
<u>Market-Oriented Animal Producers and Related Workers</u>					
Dairy and livestock producers	6121	0	0	0	0
Poultry producers	6122	0	0	0	0
Apiarists and sericulturalists	6123	0	0	0	0
Mixed-animal producers	6124	0	0	0	0
Market-oriented animal producers and related workers n.e.c.	6129	4	2	4	0
<u>Market-Oriented Crop and Animal Producers</u>					
Farmers	6132	28	43	12	3
Farm supervisors	6133	223	2845	144	91
<u>Forestry and Related Workers</u>					
Forestry workers and loggers	6141	24	131	17	2
Charcoal Burners and related workers	6142	0	0	0	0
<u>Fishery Workers, Hunters and Trappers</u>					
Aquatic-life cultivation workers	6151	0	0	1	0
Inland and coastal waters fishery workers	6152	0	0	0	0
Deep-sea fishery workers	6153	0	0	0	0
Hunters and trappers	6154	0	2	1	0
SUBSISTENCE AGRICULTURAL AND FISHERY WORKERS					
<u>Subsistence Agricultural and Fishery Workers</u>	6210	0	0	0	0
CRAFT AND RELATED TRADES WORKERS					
EXTRACTION AND BUILDING TRADES WORKERS					
<u>Miners, Shotfirers, Stone Cutters and Carvers</u>					
Miners and quarry workers	7111	9	49	3	0
Shotfirers and blasters	7112	4	8	0	0
Stone splitters, cutters and carvers	7113	0	0	0	0
<u>Building Frame and Related Trades Workers</u>					
Builders, traditional materials	7121	0	0	0	0
Bricklayers and stonemasons	7122	60	159	30	2
Concrete placers, concrete finishers and related workers	7123	22	29	14	0
Carpenters and joiners	7124	29	77	25	2
Building frame and related trades workers n.e.c.	7129	74	105	27	0
<u>Building Finishers and Related Trades Workers</u>					
Roofers	7131	54	45	27	1
Floor layers and tile setters	7132	358	645	170	1
Plasterers	7133	6	25	5	0
Insulation workers	7134	14	8	8	0
Code	R	Father	Spouse	Mother	
Glaziers	7135	7	10	7	0
Plumbers and pipe fitters	7136	162	279	96	1

Building and related electricians	7137	183	348	133	5
<u>Painters, Building Structure Cleaners and Related Trades Workers</u>					
Painters and related workers	7141	129	220	69	15
Varnishers and related painters	7142	38	35	16	5
Building structure cleaners	7143	15	16	10	0
METAL, MACHINERY AND RELATED TRADES WORKERS	7200	37	35	16	34
<u>Metal Moulders, Welders, Sheet-Metal Workers, Structural-Metal Preparers, and Related Workers</u>					
Metal moulders and coremakers	7211	0	0	0	0
Welders and flamecutters	7212	166	285	89	26
Sheet-metal workers	7213	104	175	50	2
Structural-metal preparers and erectors	7214	31	75	19	0
Riggers and cable splicers	7215	1	7	1	1
Underwater workers	7216	0	0	1	0
<u>Blacksmiths, Tool-Makers and Related Trade Workers</u>					
Blacksmiths, hammer-smiths and forging-press workers	7221	3	8	0	0
Tool-makers and related workers	7222	169	519	108	8
Machine-tool setters and setter-operators	7223	16	12	7	3
Metal wheel-grinders, polishers and tool sharpeners	7224	2	7	6	0
<u>Machinery Mechanics and Fitters</u>					
Motor vehicle mechanics and fitters	7230	176	251	119	5
Aircraft engine mechanics and fitters	7231	325	633	200	7
Agricultural- or industrial-machinery mechanics and fitters	7232	55	61	34	2
Misc. garage helpers	7233	153	357	94	6
	7234	32	30	9	3
<u>Electrical and Electronic Equipment Mechanics And Fitters</u>					
Electrical mechanics and fitters	7240	23	29	19	0
Electronics fitters	7241	117	110	50	0
Electronics mechanics and servicers	7242	80	70	39	1
Telegraph and telephone installers and servicers	7243	17	19	15	2
Electrical line installers, repairs and cable jointers	7244	30	56	24	4
	7245	62	95	34	0
PRECISION, HANDICRAFT, PRINTING AND RELATED TRADES WORKERS	7300	0	1	0	0
<u>Precision Workers in Metal and Related Materials</u>					
Precision-instrument makers and repairers	7310	30	49	16	7
Musical-instrument makers and tuners	7311	19	28	10	8
Jewellery and precious-metal workers	7312	0	0	0	0
	7313	15	10	9	5
<u>Potters, Glass-Makers and Related Trades Workers</u>					
Abrasive wheel formers, potters and related workers	7321	0	0	0	0
Glass-makers, cutters, grinders and finishers	7322	21	13	8	5
Glass engravers and etchers	7323	1	0	3	0
Glass, ceramics and related decorative painters	7324	4	8	1	1
<u>Handicraft Workers in Wood, Textiles, Leather and Related Materials</u>					
Handicraft workers in wood and related materials	7331	4	2	1	0
Handicraft workers in textile, leather and related materials	7332	0	0	0	0
<u>Printing and Related Trades Workers</u>					
Compositors, typesetters and related workers	7341	18	28	8	10
Stereotypers and electrotypers	7342	0	0	0	0
Printing engravers and etchers	7343	1	3	1	0
Photographic and related workers	7344	11	10	5	1
Bookbinders and related workers	7345	12	7	4	10
Silk-screen, block and textile printers	7346	0	0	0	0
OTHER CRAFT AND RELATED TRADES WORKERS					
<u>Food Processing and Related Trade Workers</u>					
Butchers, fishmongers and related food preparers	7411	55	148	35	30
Bakers, pastry-cooks and confectionery makers	7412	50	60	25	37
Dairy-products makers	7413	0	0	0	0
Fruit, vegetable and related preservers	7414	0	0	0	0
	Code	R	Father	Spouse	Mother
Food and beverage tasters and graders	7415	9	2	1	8
Tobacco preparers and tobacco product makers	7416	0	0	0	0

<u>Wood Treaters, Cabinet-Makers and Related Trades Workers</u>	7420	2	4	0	0
Wood treaters	7421	0	0	0	0
Cabinet-makers and related workers	7422	42	47	27	8
Woodworking-machine setters and setter-operators	7423	0	0	0	0
Basketry weavers, brush makers and related workers	7424	0	0	0	0
<u>Textile, Garment and Related Trades Workers</u>					
Fibre preparers	7431	0	0	0	0
Weavers, knitters and related workers	7432	0	0	0	0
Tailors, dressmakers and hatters	7433	61	46	29	234
Furriers and related workers	7434	0	0	0	0
Textile, leather and related pattern-makers and cutters	7435	3	3	1	1
Sewers, embroiderers and related workers	7436	7	5	5	14
Upholsterers and related workers	7437	26	24	9	7
<u>Pelt, Leather and Shoemaking Trades Workers</u>					
Pelt dressers, tanners and fellmongers	7441	0	0	0	0
Shoe-makers and related workers	7442	10	37	1	9
<u>Supervisors, crafts and trades</u>					
	7510	420	864	316	72
<u>Misc. crafts and trades</u>					
	7520	31	26	16	17
PLANT AND MACHINE OPERATORS AND ASSEMBLERS					
STATIONARY-PLANT AND RELATED OPERATORS					
	8100	4	5	2	0
<u>Mining- and Mineral-Processing Plant Operators</u>					
Mining-plant operators	8111	18	236	9	2
Mineral-ore- and stone-processing-plant operators	8112	0	0	0	0
Well drillers and borers and related workers	8113	10	45	9	0
<u>Metal-Processing-Plant Operators</u>					
Ore and metal furnace operators	8121	0	0	0	0
Metal melters, casters and rolling-mill operators	8122	38	56	23	11
Metal-heat-treating-plant operators	8123	4	5	3	0
Metal drawers and extruders	8124	0	0	0	0
<u>Glass, Ceramics and Related Plant Operators</u>					
Glass and ceramics kiln and related machine operators	8131	31	96	18	0
Glass and ceramics kiln and related machine operators n.e.c.	8139	0	0	0	0
<u>Wood-Processing-Plant Operators</u>					
Wood-processing-plant operators	8141	54	93	17	3
Paper-pulp plant operators	8142	0	0	0	0
Papermaking-plant operators	8143	0	0	0	0
<u>Chemical-Processing-Plant Operators</u>					
Crushing-, grinding- and chemical mixing-machinery operators	8151	30	52	21	8
Chemical-heat-treating-plant operators	8152	2	2	2	0
Chemical-filtering- and separating-equipment operators	8153	0	0	0	0
Chemical-still and reactor operators (except petroleum and natural gas)	8154	14	30	11	4
Petroleum- and natural-gas-refining-plant operators	8155	2	2	0	0
Chemical-processing-plant operators n.e.c.	8159	0	0	0	0
<u>Power-Production and Related Plant Operators</u>					
Power-production plant operators	8160	37	89	25	2
Power-production plant operators	8161	6	8	5	0
Steam-engine and boiler operators	8162	7	10	2	0
Incinerator, water-treatment and related plant operators	8163	15	14	15	1
<u>Automated-Assembly-Line and Industrial-Robot Operators</u>					
Automated assembly-line operators	8171	0	0	0	0
Industrial-robot operators	8172	0	0	0	0
MACHINE OPERATORS AND ASSEMBLERS					
	8200	56	109	28	105
	Code	R	Father	Spouse	Mother
<u>Metal- and Mineral-Products Machine Operators</u>					
Machine-tool operators	8211	62	59	31	16

Cement and other mineral products machine operators	8212	0	1	0	0
<u>Chemical-Products Machine Operators</u>					
Pharmaceutical- and toiletry products machine operators	8221	0	0	0	1
Ammunition- and explosive-products machine operators	8222	0	0	0	0
Metal finishing-, plating- and coating- machine operators	8223	37	34	28	6
Photographic-products machine operators	8224	1	1	2	2
Chemical-products machine operators n.e.c.	8229	18	6	9	3
<u>Rubber- and Plastic-Products Machine Operators</u>					
Rubber-products machine operators	8231	0	0	1	0
Plastic-products machine operators	8232	11	8	3	2
<u>Wood-Products Machine Operators</u>					
	8240	3	0	1	2
<u>Printing-, Binding- and Paper-Products Machine Operators</u>					
Printing-machine operators	8251	125	93	51	30
Bookbinding-machine operators	8252	0	0	0	0
Paper-products operators	8253	1	2	1	1
<u>Textile-, Fur- and Leather-Products Machine Operators</u>					
Fibre-preparing-, spinning- and winding-machine operators	8261	32	17	10	46
Weaving- and knitting-machine operators	8262	19	22	6	42
Sewing-machine operators	8263	223	26	89	483
Bleaching-, dyeing- and cleaning-machine operators	8264	120	51	29	185
Fur- and leather-preparing-machine operators	8265	0	0	0	0
Shoemaking- and related machine operators	8266	18	12	7	42
Textile-, fur- and leather-products machine operators n.e.c.	8269	40	50	15	59
<u>Food and Related Products Machine Operators</u>					
Meat- and fish processing-machine operators	8270	23	13	5	20
Dairy-products machine operators	8271	0	0	0	0
Grain- and spice-milling-machine operators	8272	0	0	0	0
Baked-goods, cereal and chocolate-products machine operators	8273	0	0	0	0
Fruit-, vegetable- and nut-processing-machine operators	8274	1	1	0	0
Sugar production machine operators	8275	4	3	2	2
Tea-, coffee- and cocoa-processing-machine operators	8276	0	0	0	0
Brewers-, wine and other beverage machine operators	8277	0	0	0	0
Tobacco production machine operators	8278	0	0	0	0
	8279	0	0	0	0
<u>Assemblers</u>					
Mechanical-machinery assemblers	8281	0	0	0	0
Electrical-equipment assemblers	8282	56	15	22	66
Electronic-equipment assemblers	8283	0	0	0	0
Metal-, rubber- and plastic-products assemblers	8284	0	0	0	0
Wood and related products assemblers	8285	0	0	0	0
Paperboard, textile and related products assemblers	8286	0	0	0	0
<u>Other Machine Operators and Assemblers</u>					
	8290	972	953	470	810
DRIVERS AND MOBILE-PLANT OPERATORS					
<u>Locomotive-Engine Drivers and Related Workers</u>					
Locomotive-engine drivers	8310	1	16	1	0
Railway brakemen, signalers and shunters	8311	18	80	10	0
	8312	22	59	12	11
<u>Motor-vehicle Drivers</u>					
Motorcycle drivers	8321	0	0	0	0
Car, taxi and van drivers	8322	307	436	206	31
Bus and tram drivers	8323	145	89	75	91
Heavy truck and lorry drivers	8324	485	863	305	7
<u>Agricultural and Other Mobile-Plant Operators</u>					
Motorized farm and forestry plant operators	8330	128	143	67	3
Earth-moving and related plant operators	8331	0	0	0	0
Crane, hoist and related plant operators	8332	44	73	38	1
Lifting-truck operators	8333	31	90	21	1
	8334	113	101	68	7
	Code	R	Father	Spouse	Mother
<u>Ships' Deck Crews and Related Workers</u>	8340	5	36	8	0

FABRICATING MACHINE OPERATORS, NOT ELSEWHERE CLASSIFIED	8400	7	4	7	12
ELEMENTARY OCCUPATIONS					
SALES AND SERVICES ELEMENTARY OCCUPATIONS					
<u>Street Vendors and Related Workers</u>	9110	100	36	39	66
Street food vendors	9111	0	0	0	0
Street vendors, non-food products	9112	16	9	7	8
Door-to-door and telephone salespersons	9113	5	0	1	3
<u>Shoe Cleaning and Other Street Services Elementary Occupations</u>	9120	0	0	0	0
<u>Domestic and Related Helpers, Cleaners and Launderers</u>					
Domestic helpers and cleaners	9131	271	15	92	359
Helpers and cleaners in offices, hotels and other establishments	9132	325	18	89	542
Hand-launderers and pressers	9133	0	0	0	0
<u>Building Caretakers, Window and Related Cleaners</u>	9140	616	383	264	258
Building caretakers	9141	67	40	30	18
Vehicle, window and related cleaners	9142	46	32	22	11
<u>Messengers, Porters, Doorkeepers and Related Workers</u>					
Messengers, package and luggage porters and deliverers	9151	58	23	25	5
Doorkeepers, watchpersons and related workers	9152	101	27	42	21
Vending-machine money collectors, meter readers and related workers	9153	13	22	11	2
<u>Garbage Collectors and Related Laborers</u>	9160	1	1	1	0
Garbage collectors	9161	15	37	14	1
Sweepers and related laborers	9162	0	0	0	0
AGRICULTURAL, FISHERY AND RELATED LABORERS					
<u>Agricultural, Fishery and Related Laborers</u>					
Farm-hands and laborers	9211	334	698	134	188
Forestry laborers	9212	0	0	1	0
Fishery, hunting and trapping laborers	9213	1	3	1	0
LABORERS IN MINING, CONSTRUCTION, MANUFACTURING AND TRANSPORT					
	9300	300	645	161	213
<u>Mining and Construction Laborers</u>					
Mining and quarrying laborers	9311	1	5	1	0
Construction and maintenance laborers: roads, dams and similar constructions	9312	56	114	39	1
Building construction laborers	9313	343	544	159	9
<u>Manufacturing Laborers</u>	9320	12	6	7	2
Assembling laborers	9321	48	46	27	20
Hand packers and other manufacturing laborers	9322	145	34	53	111
<u>Transport Laborers and Freight Handlers</u>					
Hand or pedal vehicle drivers	9331	0	0	0	0
Drivers of animal-drawn vehicles and machinery	9332	0	0	0	0
Freight handlers	9333	289	218	130	72
ARMED FORCES					
ARMED FORCES					
<u>Armed Forces</u>	0110	241	549	180	45
Not applicable (No OCC, OCC uncodable for ISCO88, Don't know, No Answer)					
	IAP	26726	33335	44893	45145
Total		62466	62466	62466	62466

2008 International Standard Classification Codes

Occupation

Respon-
dentR's
FatherN's
R's
SpouseR's
MotherR's
Partner

(based on 2010 U.S. occupational codes)	Code	(ISCO08)	(PAISCO08)	(SPISCO08)	(MAISCO08)	(COISCO08)
MANAGERS						
CHIEF EXECUTIVES, SENIOR OFFICIALS AND LEGISLATORS						
<u>Legislators and Senior Officials</u>						
Legislators	1111	9	13	6	3	0
Senior Government Officials	1112	4	2	2	0	0
Traditional Chiefs and Heads of Villages	1113	0	0	0	0	0
Senior Officials of Special-interest Organizations	1114	0	0	0	0	0
<u>Managing Directors and Chief Executives</u>						
Managing Directors and Chief Executives	1120	623	675	422	60	3
ADMINISTRATIVE AND COMMERCIAL MANAGERS						
<u>Business Services and Administration Managers</u>						
Finance Managers	1211	350	254	214	86	1
Human Resource Managers	1212	119	48	61	35	1
Policy and Planning Managers	1213	0	0	0	0	0
Business Services and Administration Managers Not Elsewhere Classified	1219	887	1011	585	158	19
<u>Sales, Marketing and Development Managers</u>						
Sales and Marketing Managers	1221	332	216	172	30	6
Advertising and Public Relations Managers	1222	63	43	26	4	0
Research and Development Managers	1223	56	42	31	1	0
PRODUCTION AND SPECIALIZED SERVICES MANAGERS						
<u>Production Managers in Agriculture, Forestry and Fisheries</u>						
Agricultural and Forestry Production Managers	1311	575	6388	375	109	2
Aquaculture and Fisheries Production Managers	1312	0	0	0	0	0
<u>Manufacturing, Mining, Construction and Distribution Managers</u>						
Manufacturing Managers	1321	133	291	109	11	2
Mining Managers	1322	0	0	0	0	0
Construction Managers	1323	280	480	204	6	3
Supply, Distribution and Related Managers	1324	229	335	151	29	2
<u>Information and Communications Technology Services Managers</u>						
Information and Communications Technology Services Managers	1330	92	44	48	5	2
<u>Professional Services Managers</u>						
Child Care Services Managers	1341	0	0	0	0	0
Health Services Managers	1342	174	46	106	55	4
Aged Care Services Managers	1343	0	0	0	0	0
Social Welfare Managers	1344	97	32	57	25	0
Education Managers	1345	283	192	169	58	3
Financial and Insurance Services Branch Managers	1346	0	0	0	0	0
Professional Services Managers Not Elsewhere Classified	1349	0	0	0	0	0
HOSPITALITY, RETAIL AND OTHER SERVICES MANAGERS						
<u>Hotel and Restaurant Managers</u>						
Hotel Managers	1411	57	48	33	26	1
Restaurant Managers	1412	314	293	141	153	2
<u>Retail and Wholesale Trade Managers</u>						
Retail and Wholesale Trade Managers	1420	0	0	0	0	0
<u>Other Services Managers</u>						
Sports, Recreation and Cultural Centre Managers	1431	10	4	5	3	0
Services Managers Not Elsewhere Classified	1439	0	0	0	0	0
	Code	R	Father	Spouse	Mother	Partner
PROFESSIONALS						
SCIENCE AND ENGINEERING PROFESSIONALS						

<u>Physical and Earth Science Professionals</u>	2110	19	26	10	6	0
Physicists and Astronomers	2111	2	16	5	1	0
Meteorologists	2112	6	7	4	0	0
Chemists	2113	56	92	43	10	0
Geologists and Geophysicists	2114	37	24	14	1	0
<u>Mathematicians, Actuaries and Statisticians</u>						
Mathematicians, Actuaries and Statisticians	2120	55	18	31	7	1
<u>Life Science Professionals</u>						
Biologists, Botanists, Zoologists and Related Professionals	2131	71	22	38	20	0
Farming, Forestry and Fisheries Advisers	2132	34	45	22	1	1
Environmental Protection Professionals	2133	0	0	0	0	0
<u>Engineering Professionals (excluding Electrotechnology)</u>						
Industrial and Production Engineers	2141	116	100	71	1	0
Civil Engineers	2142	136	268	94	6	2
Environmental Engineers	2143	21	12	13	1	1
Mechanical Engineers	2144	195	412	121	4	2
Chemical Engineers	2145	38	88	29	3	1
Mining Engineers, Metallurgists and Related Professionals	2146	23	65	19	1	0
Engineering Professionals Not Elsewhere Classified	2149	63	118	57	3	2
<u>Electrotechnology Engineers</u>						
Electrical Engineers	2151	160	301	130	9	1
Electronics Engineers	2152	20	17	17	4	0
Telecommunications Engineers	2153	0	0	0	0	0
<u>Architects, Planners, Surveyors and Designers</u>						
Building Architects	2161	96	75	49	8	1
Landscape Architects	2162	0	0	0	0	0
Product and Garment Designers	2163	0	0	0	0	0
Town and Traffic Planners	2164	15	7	8	2	1
Cartographers and Surveyors	2165	18	23	9	7	0
Graphic and Multimedia Designers	2166	0	0	0	0	0
HEALTH PROFESSIONALS						
<u>Medical Doctors</u>						
Generalist Medical Practitioners	2211	0	0	0	0	0
Specialist Medical Practitioners	2212	187	355	162	49	6
<u>Nursing and Midwifery Professionals</u>						
Nursing Professionals	2221	960	25	496	734	13
Midwifery Professionals	2222	0	0	2	3	0
<u>Traditional and Complementary Medicine Professionals</u>						
Traditional and Complementary Medicine Professionals	2230	0	0	0	0	0
<u>Paramedical Practitioners</u>						
Paramedical Practitioners	2240	15	2	8	3	0
<u>Veterinarians</u>						
Veterinarians	2250	21	34	15	4	1
<u>Other Health Professionals</u>						
Dentists	2261	53	102	38	8	1
Pharmacists	2262	59	103	41	15	0
Environmental and Occupational Health and Hygiene Professionals	2263	37	10	11	3	2
Physiotherapists	2264	45	5	40	12	0
Dieticians and Nutritionists	2265	52	3	29	62	0
Audiologists and Speech Therapists	2266	40	0	22	16	0
Optometrists and Ophthalmic Opticians	2267	12	22	11	3	0
Health Professionals Not Elsewhere Classified	2269	102	25	51	14	1
	Code	R	Father	Spouse	Mother	Partner
TEACHING PROFESSIONALS	2300	29	14	17	6	0
<u>University and Higher Education Teachers</u>						

University and Higher Education Teachers	2310	565	313	257	121	4
<u>Vocational Education Teachers</u>						
Vocational Education Teachers	2320	0	0	0	0	0
<u>Secondary Education Teachers</u>						
Secondary Education Teachers	2330	792	298	415	298	4
<u>Primary School and Early Childhood Teachers</u>						
Primary School Teachers	2341	1239	190	696	833	4
Early Childhood Educators	2342	221	2	128	136	2
<u>Other Teaching Professionals</u>						
Education Methods specialists	2351	0	0	0	0	0
Special Needs Teachers	2352	143	10	67	76	1
Other Language Teachers	2353	0	0	0	0	0
Other Music Teachers	2354	0	0	0	0	0
Other Arts Teachers	2355	0	0	0	0	0
Information Technology Trainers	2356	0	0	0	0	0
Teaching Professionals Not Elsewhere Classified	2359	240	41	125	127	4
BUSINESS AND ADMINISTRATION PROFESSIONALS						
<u>Finance Professionals</u>						
Accountants	2411	603	466	363	251	8
Financial and Investment Advisers	2412	86	22	43	0	1
Financial Analysts	2413	48	12	21	6	0
<u>Administration Professionals</u>						
Management and Organization Analysts	2421	207	34	78	10	5
Policy Administration Professionals	2422	0	0	0	0	0
Personnel and Careers Professionals	2423	200	99	131	43	6
Training and Staff Development Professionals	2424	40	7	24	8	0
<u>Sales, Marketing and Public Relations Professionals</u>						
Advertising and Marketing Professionals	2431	56	11	32	4	0
Public Relations Professionals	2432	69	25	35	6	0
Technical and Medical Sales Professionals (excluding ICT)	2433	0	0	0	0	0
Information and Communications Technology Sales Professionals	2434	12	5	15	0	0
INFORMATION AND COMMUNICATIONS TECHNOLOGY PROFESSIONALS						
<u>Software and Applications Developers and Analysts</u>						
Systems Analysts	2511	165	57	116	17	0
Software Developers	2512	217	25	98	11	4
Web and Multimedia Developers	2513	28	0	12	0	3
Applications Programmers	2514	187	103	102	39	4
Software and Applications Developers and Analysts Not Elsewhere Classified	2519	0	0	0	0	0
<u>Database and Network Professionals</u>						
Database Designers and Administrators	2521	27	3	15	3	1
Systems Administrators	2522	59	14	15	2	0
Computer Network Professionals	2523	22	3	9	0	1
Database and Network Professionals Not Elsewhere Classified	2529	45	16	29	8	0
LEGAL, SOCIAL AND CULTURAL PROFESSIONALS						
<u>Legal Professionals</u>						
Lawyers	2611	285	296	202	20	1
Judges	2612	26	30	14	8	0
Legal Professionals Not Elsewhere Classified	2619	0	0	0	0	0
<u>Librarians, Archivists and Curators</u>						
Archivists and Curators	2621	25	3	6	6	1
Librarians and Related Information Professionals	2622	109	7	71	84	1
	Code	R	Father	Spouse	Mother	Partner
<u>Social and Religious Professionals</u>						
Economists	2631	14	20	6	2	1
Sociologists, Anthropologists and Related Professionals	2632	20	5	9	3	0

Philosophers, Historians and Political Scientists	2633	0	0	0	0	0
Psychologists	2634	66	19	38	14	1
Social Work and Counselling Professionals	2635	613	117	273	192	14
Religious Professionals	2636	151	382	106	7	0
<u>Authors, Journalists and Linguists</u>						
Authors and Related Writers	2641	94	15	32	14	0
Journalists	2642	116	42	42	34	1
Translators, Interpreters and Other Linguists	2643	26	3	9	9	0
<u>Creative and Performing Artists</u>						
Visual Artists	2651	134	46	44	35	0
Musicians, Singers and Composers	2652	103	54	50	23	1
Dancers and Choreographers	2653	14	2	7	0	1
Film, Stage and Related Directors and Producers	2654	70	12	23	3	1
Actors	2655	15	3	5	3	1
Announcers on Radio, Television and Other Media	2656	21	11	12	4	1
Creative and Performing Artists Not Elsewhere Classified	2659	19	7	5	3	0
TECHNICIANS AND ASSOCIATE PROFESSIONALS						
SCIENCE AND ENGINEERING ASSOCIATE PROFESSIONALS						
3100	89	24	32	8	0	
<u>Physical and Engineering Science Technicians</u>						
Chemical and Physical Science Technicians	3111	54	29	31	4	0
Civil Engineering Technicians	3112	50	69	43	1	0
Electrical Engineering Technicians	3113	0	0	0	0	0
Electronics Engineering Technicians	3114	0	0	0	0	0
Mechanical Engineering Technicians	3115	246	136	129	16	1
Chemical Engineering Technicians	3116	0	0	0	0	0
Mining and Metallurgical Technicians	3117	11	7	5	1	1
Draughtspersons	3118	95	92	59	7	0
Physical and Engineering Science Technicians Not Elsewhere Classified	3119	1	1	3	0	0
<u>Mining, Manufacturing and Construction Supervisors</u>						
Mining Supervisors	3121	0	0	0	0	0
Manufacturing Supervisors	3122	549	1110	395	95	4
Construction Supervisors	3123	339	755	254	4	8
<u>Process Control Technicians</u>						
3130	23	38	14	2	0	
Power Production Plant Operators	3131	14	26	10	0	0
Incinerator and Water Treatment Plant Operators	3132	23	16	14	1	1
Chemical Processing Plant Controllers	3133	51	72	25	4	0
Petroleum and Natural Gas Refining Plant Operators	3134	17	30	11	0	0
Metal Production Process Controllers	3135	0	0	0	0	0
Process Control Technicians Not Elsewhere Classified	3139	0	0	0	0	0
<u>Life Science Technicians and Related Associate Professionals</u>						
Life Science Technicians (excluding Medical)	3141	12	1	3	4	0
Agricultural Technicians	3142	20	9	5	5	0
Forestry Technicians	3143	0	0	0	0	0
<u>Ship and Aircraft Controllers and Technicians</u>						
Ships' Engineers	3151	16	19	11	1	0
Ships' Deck Officers and Pilots	3152	10	44	13	1	0
Aircraft Pilots and Related Associate Professionals	3153	52	78	39	0	1
Air Traffic Controllers	3154	25	29	12	1	0
Air Traffic Safety Electronics Technicians	3155	0	0	0	0	0
HEALTH ASSOCIATE PROFESSIONALS						
<u>Medical and Pharmaceutical Technicians</u>						
3210	165	4	41	44	5	
Medical Imaging and Therapeutic Equipment Technicians	3211	115	15	56	26	2
Medical and Pathology Laboratory Technicians	3212	156	11	60	43	1
Pharmaceutical Technicians and Assistants	3213	0	0	0	0	0
Medical and Dental Prosthetic Technicians	3214	80	31	41	21	4
	Code	R	Father	Spouse	Mother	Partner
<u>Nursing and Midwifery Associate Professionals</u>						
Nursing Associate Professionals	3221	282	5	128	204	2
Midwifery Associate Professionals	3222	0	0	0	0	0

<u>Traditional and Complementary Medicine Associate Professionals</u>						
Traditional and Complementary Medicine Associate Professionals	3230	0	0	0	0	0
<u>Veterinary Technicians and Assistants</u>						
Veterinary Technicians and Assistants	3240	18	3	7	2	0
<u>Other Health Associate Professionals</u>						
Dental Assistants and Therapists	3251	154	0	91	87	0
Medical Records and Health Information Technicians	3252	36	0	19	14	0
Community Health Workers	3253	0	0	0	0	0
Dispensing Opticians	3254	27	7	7	4	0
Physiotherapy Technicians and Assistants	3255	70	2	28	10	3
Medical Assistants	3256	117	4	51	32	3
Environmental and Occupational Health Inspectors and Associates	3257	33	64	20	5	0
Ambulance Workers	3258	45	14	12	9	0
Health Associate Professionals Not Elsewhere Classified	3259	27	8	20	8	0
BUSINESS AND ADMINISTRATION ASSOCIATE PROFESSIONALS						
<u>Financial and Mathematical Associate Professionals</u>						
Securities and Finance Dealers and Brokers	3311	96	68	44	6	0
Credit and Loans Officers	3312	100	37	51	56	2
Accounting Associate Professionals	3313	0	0	0	0	0
Statistical, Mathematical and Related Associate Professionals	3314	30	7	8	1	0
Valuers and Loss Assessors	3315	149	67	74	24	2
<u>Sales and Purchasing Agents and Brokers</u>						
Insurance Representatives	3321	289	368	191	67	2
Commercial Sales Representatives	3322	630	776	384	77	9
Buyers	3323	188	193	113	48	4
Trade Brokers	3324	0	0	0	0	0
<u>Business Services Agents</u>						
Clearing and Forwarding Agents	3331	247	97	104	42	2
Conference and Event Planners	3332	25	3	7	7	1
Employment Agents and Contractors	3333	0	0	0	0	0
Real Estate Agents and Property Managers	3334	534	283	301	186	3
Business Services Agents Not Elsewhere Classified	3339	237	86	114	60	4
<u>Administrative and Specialized Secretaries</u>						
Office Supervisors	3341	753	259	369	188	8
Legal Secretaries	3342	0	0	0	0	0
Administrative and Executive Secretaries	3343	2563	42	1312	1700	7
Medical Secretaries	3344	29	1	12	23	0
<u>Government Regulatory Associate Professionals</u>						
Customs and Border Inspectors	3351	0	0	0	0	0
Government Tax and Excise Officials	3352	36	47	30	6	0
Government Social Benefits Officials	3353	73	41	34	13	0
Government Licensing Officials	3354	37	11	20	18	0
Police Inspectors and Detectives	3355	73	121	40	7	0
Government Regulatory Associate Professionals Not Elsewhere Classified	3359	0	0	0	0	0
LEGAL, SOCIAL, CULTURAL AND RELATED ASSOCIATE PROFESSIONALS						
<u>Legal, Social and Religious Associate Professionals</u>						
Legal and Related Associate Professionals	3411	216	31	82	70	3
Social Work Associate Professionals	3412	57	4	26	19	1
Religious Associate Professionals	3413	25	13	12	9	0
<u>Sports and Fitness Workers</u>						
Athletes and Sports Players	3421	0	0	0	0	0
Sports Coaches, Instructors and Officials	3422	62	22	24	4	1
Fitness and Recreation Instructors and Programme Leaders	3423	103	10	29	22	0
	Code	R	Father	Spouse	Mother	Partner
<u>Artistic, Cultural and Culinary Associate Professionals</u>						
Photographers	3431	66	34	25	4	1
Interior Designers and Decorators	3432	267	98	116	104	2

Gallery, Museum and Library Technicians	3433	0	0	0	0	0
Chefs	3434	106	95	46	50	6
Other Artistic and Cultural Associate Professionals	3435	63	7	13	6	0

INFORMATION AND COMMUNICATIONS TECHNICIANS

Information and Communications Technology Operations and User Support Technicians

Information and Communications Technology Operations Technicians	3511	112	17	70	24	0
Information and Communications Technology User Support Technicians	3512	119	8	41	9	1
Computer Network and Systems Technicians	3513	0	0	0	0	0
Web Technicians	3514	0	0	0	0	0

Telecommunications and Broadcasting Technicians

Broadcasting and Audiovisual Technicians	3521	51	30	28	4	1
Telecommunications Engineering Technicians	3522	0	0	0	0	0

CLERICAL SUPPORT WORKERS

GENERAL AND KEYBOARD CLERKS

General Office Clerks

General Office Clerks	4110	630	118	302	260	5
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Secretaries (general)

Secretaries (general)	4120	0	0	0	0	0
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Keyboard Operators

Typists and Word Processing Operators	4131	261	2	103	51	0
Data Entry Clerks	4132	223	9	100	61	0

CUSTOMER SERVICES CLERKS

Tellers, Money Collectors and Related Clerks

Bank Tellers and Related Clerks	4211	207	15	127	166	2
Bookmakers, Croupiers and Related Gaming Workers	4212	48	12	23	9	3
Pawnbrokers and Money-lenders	4213	0	0	0	0	0
Debt Collectors and Related Workers	4214	69	17	23	22	2

Client Information Workers

Travel Consultants and Clerks	4221	110	35	63	44	1
Contact Centre Information Clerks	4222	479	52	160	121	10
Telephone Switchboard Operators	4223	252	8	84	141	0
Hotel Receptionists	4224	44	1	9	15	1
Inquiry Clerks	4225	6	0	4	1	0
Receptionists (general)	4226	378	5	193	138	4
Survey and Market Research Interviewers	4227	75	6	26	29	1
Client Information Workers Not Elsewhere Classified	4229	43	23	27	11	0

NUMERICAL AND MATERIAL RECORDING CLERKS

Numerical Clerks

Accounting and Bookkeeping Clerks	4311	1107	115	575	520	7
Statistical, Finance and Insurance Clerks	4312	224	22	121	58	5
Payroll Clerks	4313	118	25	51	61	0

Material Recording and Transport Clerks

Stock Clerks	4321	565	193	229	119	6
Production Clerks	4322	137	60	65	9	2
Transport Clerks	4323	0	0	0	0	0

OTHER CLERICAL SUPPORT WORKERS

Other Clerical Support Workers

Library Clerks	4411	77	1	35	30	1
Mail Carriers and Sorting Clerks	4412	391	456	213	113	4
Coding, Proofreading and Related Clerks	4413	17	5	3	11	0
Scribes and Related Workers	4414	0	0	0	0	0
	Code	R	Father	Spouse	Mother	Partner
Filing and Copying Clerks	4415	125	13	66	34	2
Personnel Clerks	4416	49	36	17	23	0
Clerical Support Workers Not Elsewhere Classified	4419	280	25	94	57	2

SERVICES AND SALES WORKERS

PERSONAL SERVICES WORKERS	5100	54	14	24	23	1
<u>Travel Attendants, Conductors and Guides</u>						
Travel Attendants and Travel Stewards	5111	37	16	19	8	0
Transport Conductors	5112	0	0	0	0	0
Travel Guides	5113	10	5	5	1	0
<u>Cooks</u>						
Cooks	5120	1065	172	415	724	21
<u>Waiters and Bartenders</u>						
Waiters	5131	1011	39	300	595	13
Bartenders	5132	188	105	57	70	6
<u>Hairdressers, Beauticians and Related Workers</u>						
Hairdressers	5141	493	192	246	280	10
Beauticians and Related Workers	5142	34	3	10	11	1
<u>Building and Housekeeping Supervisors</u>						
Cleaning and Housekeeping Supervisors in Offices, Hotels and Other Establishment	5151	116	71	73	36	73
Domestic Housekeepers	5152	0	0	0	0	0
Building Caretakers	5153	0	0	0	0	0
<u>Other Personal Services Workers</u>						
Astrologers, Fortune-tellers and Related Workers	5161	0	0	0	0	0
Companions and Valets	5162	0	0	0	0	0
Undertakers and Embalmers	5163	15	28	9	1	9
Pet Groomers and Animal Care Workers	5164	54	20	29	7	3
Driving Instructors	5165	0	0	0	0	0
Personal Services Workers Not Elsewhere Classified	5169	76	9	16	26	4
SALES WORKERS	5200	412	476	263	137	2
<u>Street and Market Salespersons</u>						
Stall and Market Salespersons	5211	0	0	0	0	0
Street Food Salespersons	5212	0	0	0	0	0
<u>Shop Salespersons</u>						
Shopkeepers	5221	0	0	0	0	0
Shop Supervisors	5222	1150	1412	705	389	19
Shop Sales Assistants	5223	1446	740	729	807	22
<u>Cashiers and Ticket Clerks</u>						
Cashiers and Ticket Clerks	5230	957	46	326	459	17
<u>Other Sales Workers</u>						
Fashion and Other Models	5241	0	0	0	0	0
Sales Demonstrators	5242	37	0	16	17	16
Door-to-door Salespersons	5243	0	0	0	0	0
Contact Centre Salespersons	5244	62	2	25	9	25
Service Station Attendants	5245	64	32	20	3	20
Food Service Counter Attendants	5246	341	10	89	146	7
Sales Workers Not Elsewhere Classified	5249	190	74	96	69	4
PERSONAL CARE WORKERS						
<u>Child Care Workers and Teachers' Aides</u>						
Child Care Workers	5311	585	3	219	362	3
Teachers' Aides	5312	336	2	153	174	3
<u>Personal Care Workers in Health Services</u>						
Health Care Assistants	5321	1284	49	444	944	24
Home-based Personal Care Workers	5322	206	7	74	87	4
Personal Care Workers in Health Services Not Elsewhere Classified	5329	149	12	59	44	59
Code	R		Father	Spouse	Mother	Partner

PROTECTIVE SERVICES WORKERSProtective Services Workers

Firefighters	5411	128	240	74	1	74
Police Officers	5412	263	385	150	20	2
Prison Guards	5413	137	85	83	17	4
Security Guards	5414	275	208	136	36	4
Protective Services Workers Not Elsewhere Classified	5419	166	57	89	56	1

SKILLED AGRICULTURAL, FORESTRY AND FISHERY WORKERS

MARKET-ORIENTED SKILLED AGRICULTURAL WORKERS

Market Gardeners and Crop Growers

Field Crop and Vegetable Growers	6111	27	94	14	7	14
Tree and Shrub Crop Growers	6112	0	0	0	0	0
Gardeners; Horticultural and Nursery Growers	6113	56	58	38	3	2
Mixed Crop Growers	6114	0	0	0	0	0

Animal Producers

Livestock and Dairy Producers	6120	1	2	1	1	1
Livestock and Dairy Producers	6121	0	0	0	0	0
Poultry Producers	6122	0	0	0	0	0
Apiarists and Sericulturists	6123	0	0	0	0	0
Animal Producers Not Elsewhere Classified	6129	0	0	0	0	0

Mixed Crop and Animal Producers

Mixed Crop and Animal Producers	6130	0	0	0	0	0
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MARKET-ORIENTED SKILLED FORESTRY, FISHERY AND HUNTING WORKERS

Forestry and Related Workers

Forestry and Related Workers	6210	11	17	8	1	1
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Fishery Workers, Hunters and Trappers

Aquaculture Workers	6221	0	0	0	0	0
Inland and Coastal Waters Fishery Workers	6222	25	91	11	1	11
Deep-sea Fishery Workers	6223	0	0	0	0	0
Hunters and Trappers	6224	0	3	1	0	1

SUBSISTENCE FARMERS, FISHERS, HUNTERS AND GATHERERS

Subsistence Crop Farmers

Subsistence Crop Farmers	6310	0	0	0	0	0
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Subsistence Livestock Farmers

Subsistence Livestock Farmers	6320	0	0	0	0	0
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Subsistence Mixed Crop and Livestock Farmers

Subsistence Mixed Crop and Livestock Farmers	6330	0	0	0	0	0
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Subsistence Fishers, Hunters, Trappers and Gatherers

Subsistence Fishers, Hunters, Trappers and Gatherers	6340	0	0	0	0	0
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CRAFT AND RELATED TRADES WORKERS

BUILDING AND RELATED TRADES WORKERS (EXCLUDING ELECTRICIANS)

Building Frame and Related Trades Workers

House Builders	7111	0	0	0	0	0
Bricklayers and Related Workers	7112	101	296	53	2	2
Stonemasons, Stone Cutters, Splitters and Carvers	7113	0	0	0	0	0
Concrete Placers, Concrete Finishers and Related Workers	7114	40	76	32	0	1
Carpenters and Joiners	7115	605	1290	368	5	8
Building Frame and Related Trades Workers Not Elsewhere Classified	7119	14	12	7	0	7

Building Finishers and Related Trades Workers

Roofers	7121	69	69	36	0	3
Floor Layers and Tile Setters	7122	68	81	46	1	2
Plasterers	7123	63	92	29	1	2
Insulation Workers	7124	17	14	10	0	10

	Code	R	Father	Spouse	Mother	Partner
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Glaziers	7125	16	17	15	0	15
Plumbers and Pipe Fitters	7126	267	471	173	1	6
Air Conditioning and Refrigeration Mechanics	7127	118	98	60	0	5

<u>Painters, Building Structure Cleaners and Related Trades Workers</u>						
Painters and Related Workers	7131	190	349	103	17	8
Spray Painters and Varnishers	7132	0	0	0	0	0
Building Structure Cleaners	7133	0	0	0	0	0
METAL, MACHINERY AND RELATED TRADES WORKERS						
<u>Sheet and Structural Metal Workers, Moulders and Welders, and Related Workers</u>						
Metal Moulders and Coremakers	7211	63	156	33	15	33
Welders and Flame Cutters	7212	342	482	216	31	5
Sheet Metal Workers	7213	94	177	61	2	61
Structural Metal Preparers and Erectors	7214	86	262	45	4	45
Riggers and Cable Splicers	7215	1	10	6	0	1
<u>Blacksmiths, Toolmakers and Related Trades Workers</u>						
Blacksmiths, Hammersmiths and Forging Press Workers	7221	0	0	0	0	0
Toolmakers and Related Workers	7222	105	261	58	3	58
Metal Working Machine Tool Setters and Operators	7223	649	955	398	58	8
Metal Polishers, Wheel Grinders and Tool Sharpeners	7224	18	29	11	0	11
<u>Machinery Mechanics and Repairers</u>						
Motor Vehicle Mechanics and Repairers	7231	795	1348	522	20	23
Aircraft Engine Mechanics and Repairers	7232	85	108	55	4	2
Agricultural and Industrial Machinery Mechanics and Repairers	7233	332	594	230	7	2
Bicycle and Related Repairers	7234	0	0	0	0	0
HANDICRAFT AND PRINTING WORKERS						
<u>Handicraft Workers</u>						
Precision-instrument Makers and Repairers	7311	31	40	20	3	20
Musical Instrument Makers and Tuners	7312	0	0	0	0	0
Jewellery and Precious Metal Workers	7313	28	19	11	8	2
Potters and Related Workers	7314	0	0	0	0	0
Glass Makers, Cutters, Grinders and Finishers	7315	0	0	0	0	0
Signwriters, Decorative Painters, Engravers and Etchers	7316	7	11	6	1	6
Handicraft Workers in Wood, Basketry and Related Materials	7317	11	16	4	1	4
Handicraft Workers in Textile, Leather and Related Materials	7318	0	0	0	0	0
Handicraft Workers Not Elsewhere Classified	7319	0	0	0	0	0
<u>Printing Trades Workers</u>						
Pre-press Technicians	7321	57	78	42	16	42
Printers	7322	167	155	78	25	1
Print Finishing and Binding Workers	7323	42	18	17	16	17
ELECTRICAL AND ELECTRONICS TRADES WORKERS	7400	15	21	9	0	9
<u>Electrical Equipment Installers and Repairers</u>						
Building and Related Electricians	7411	304	493	181	6	8
Electrical Mechanics and Fitters	7412	107	133	71	1	1
Electrical Line Installers and Repairers	7413	47	83	44	0	44
<u>Electronics and Telecommunications Installers and Repairers</u>						
Electronics Mechanics and Servicers	7421	85	58	56	1	56
Information and Communications Technology Installers and Servicers	7422	194	225	134	9	2
FOOD PROCESSING, WOODWORKING, GARMENT AND OTHER CRAFT AND RELATED TRADES WORKERS						
<u>Food Processing and Related Trades Workers</u>						
Butchers, Fishmongers and Related Food Preparers	7511	138	265	92	68	2
Bakers, Pastry-cooks and Confectionery Makers	7512	127	167	56	95	2
Dairy Products Makers	7513	0	0	0	0	0
Fruit, Vegetable and Related Preservers	7514	0	0	0	0	0
Food and Beverage Tasters and Graders	7515	52	24	27	32	27
Tobacco Preparers and Tobacco Products Makers	7516	0	0	0	0	0
	Code	R	Father	Spouse	Mother	Partner
<u>Wood Treaters, Cabinet-makers and Related Trades Workers</u>						
Wood Treaters	7521	0	0	0	0	0
Cabinet-makers and Related Workers	7522	72	107	39	9	2

Woodworking Machine Tool Setters and Operators	7523	25	18	12	3	12
<u>Garment and Related Trades Workers</u>						
Tailors, Dressmakers, Furriers and Hatters	7531	0	0	0	0	0
Garment and Related Patternmakers and Cutters	7532	77	50	41	17	1
Sewing, Embroidery and Related Workers	7533	128	125	51	214	51
Upholsterers and Related Workers	7534	39	45	27	11	27
Pelt Dressers, Tanners and Fellmongers	7535	0	0	0	0	0
Shoemakers and Related Workers	7536	16	79	9	17	9
<u>Other Craft and Related Workers</u>						
Underwater Divers	7541	1	1	1	0	1
Shotfirers and Blasters	7542	13	42	6	0	6
Product Graders and Testers (excluding Foods and Beverages)	7543	495	274	286	138	6
Fumigators and Other Pest and Weed Controllers	7544	19	18	10	0	10
Craft and Related Workers Not Elsewhere Classified	7549	0	0	0	0	0
PLANT AND MACHINE OPERATORS AND ASSEMBLERS						
STATIONARY PLANT AND MACHINE OPERATORS	8100	17	55	14	11	14
<u>Mining and Mineral Processing Plant Operators</u>						
Miners and Quarriers	8111	100	812	66	2	1
Mineral and Stone Processing Plant Operators	8112	61	88	32	11	2
Well Drillers and Borers and Related Workers	8113	30	75	25	0	1
Cement, Stone and Other Mineral Products Machine Operators	8114	0	0	0	0	0
<u>Metal Processing and Finishing Plant Operators</u>						
Metal Processing Plant Operators	8121	39	112	32	1	1
Metal Finishing, Plating and Coating Machine Operators	8122	116	134	70	18	1
<u>Chemical and Photographic Products Plant and Machine Operators</u>						
Chemical Products Plant and Machine Operators	8131	0	0	0	0	0
Photographic Products Machine Operators	8132	42	12	22	14	22
<u>Rubber, Plastic and Paper Products Machine Operators</u>						
Rubber Products Machine Operators	8141	45	72	25	9	1
Plastic Products Machine Operators	8142	0	0	0	0	0
Paper Products Machine Operators	8143	13	6	6	3	6
<u>Textile, Fur and Leather Products Machine Operators</u>						
Fibre Preparing, Spinning and Winding Machine Operators	8151	80	29	28	60	28
Weaving and Knitting Machine Operators	8152	52	42	21	44	21
Sewing Machine Operators	8153	561	74	279	605	2
Bleaching, Dyeing and Fabric Cleaning Machine Operators	8154	6	16	4	2	4
Fur and Leather Preparing Machine Operators	8155	0	0	0	0	0
Shoemaking and Related Machine Operators	8156	47	29	23	50	23
Laundry Machine Operators	8157	137	60	36	128	1
Textile, Fur and Leather Products Machine Operators Not Elsewhere Classified	8159	58	79	16	64	16
<u>Food and Related Products Machine Operators</u>						
Food and Related Products Machine Operators	8160	71	50	29	35	2
<u>Wood Processing and Papermaking Plant Operators</u>						
Pulp and Papermaking Plant Operators	8171	33	38	20	11	20
Wood Processing Plant Operators	8172	52	125	24	0	24
<u>Other Stationary Plant and Machine Operators</u>						
Glass and Ceramics Plant Operators	8181	10	39	8	0	8
Steam Engine and Boiler Operators	8182	78	240	49	1	49
Packing, Bottling and Labelling Machine Operators	8183	153	59	86	147	3
Stationary Plant and Machine Operators Not Elsewhere Classified	8189	6	12	5	2	5

Code	R	Father	Spouse	Mother	Partner
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ASSEMBLERSAssemblers

Mechanical Machinery Assemblers	8211	40	52	19	24	1
Electrical and Electronic Equipment Assemblers	8212	197	59	79	120	79
Assemblers Not Elsewhere Classified	8219	440	359	234	320	6
DRIVERS AND MOBILE PLANT OPERATORS						
<u>Locomotive Engine Drivers and Related Workers</u>	8310	35	148	20	1	20
Locomotive Engine Drivers	8311	43	162	32	0	32
Railway Brake, Signal and Switch Operators	8312	30	258	28	1	28
<u>Car, Van and Motorcycle Drivers</u>						
Motorcycle Drivers	8321	6	8	6	1	6
Car, Taxi and Van Drivers	8322	107	157	48	12	3
<u>Heavy Truck and Bus Drivers</u>						
Bus and Tram Drivers	8331	218	147	117	124	5
Heavy Truck and Lorry Drivers	8332	1193	2029	847	33	26
<u>Mobile Plant Operators</u>						
Mobile Farm and Forestry Plant Operators	8341	0	0	0	0	0
Earthmoving and Related Plant Operators	8342	227	368	186	1	3
Crane, Hoist and Related Plant Operators	8343	72	172	49	1	1
Lifting Truck Operators	8344	233	223	132	18	13
<u>Ships' Deck Crews and Related Workers</u>						
Ships' Deck Crews and Related Workers	8350	15	38	10	1	10
ELEMENTARY OCCUPATIONS						
CLEANERS AND HELPERS						
<u>Domestic, Hotel and Office Cleaners and Helpers</u>						
Domestic Cleaners and Helpers	9111	1139	27	332	1189	10
Cleaners and Helpers in Offices, Hotels and Other Establishments	9112	962	693	470	238	25
<u>Vehicle, Window, Laundry and Other Hand Cleaning Workers</u>						
Hand Launderers and Pressers	9121	91	31	49	66	49
Vehicle Cleaners	9122	82	43	38	14	2
Window Cleaners	9123	0	0	0	0	0
Other Cleaning Workers	9129	4	7	4	0	4
AGRICULTURAL, FORESTRY AND FISHERY LABOURERS						
<u>Agricultural, Forestry and Fishery Labourers</u>						
Crop Farm Labourers	9211	399	1572	186	215	5
Livestock Farm Labourers	9212	0	0	0	0	0
Mixed Crop and Livestock Farm Labourers	9213	0	0	0	0	0
Garden and Horticultural Labourers	9214	302	260	138	10	11
Forestry Labourers	9215	73	276	39	3	1
Fishery and Aquaculture Labourers	9216	0	0	0	0	0
LABOURERS IN MINING, CONSTRUCTION, MANUFACTURING AND TRANSPORT						
<u>Mining and Construction Labourers</u>						
Mining and Quarrying Labourers	9311	10	12	3	0	3
Civil Engineering Labourers	9312	59	183	32	0	1
Building Construction Labourers	9313	558	934	291	8	17
<u>Manufacturing Labourers</u>						
Hand Packers	9321	251	50	113	112	7
Manufacturing Labourers Not Elsewhere Classified	9329	1321	1849	668	671	29
<u>Transport and Storage Labourers</u>						
Hand and Pedal Vehicle Drivers	9331	0	0	0	0	0
Drivers of Animal-drawn Vehicles and Machinery	9332	0	0	0	0	0
Freight Handlers	9333	4	6	3	0	3
Shelf Fillers	9334	0	0	0	0	0
Code	R		Father	Spouse	Mother	Partner

FOOD PREPARATION ASSISTANTSFood Preparation Assistants

Fast Food Preparers	9411	0	0	0	0	0
Kitchen Helpers	9412	394	28	122	191	6
STREET AND RELATED SALES AND SERVICES WORKERS						
<u>Street and Related Services Workers</u>						
Street and Related Services Workers	9510	0	0	0	0	0
<u>Street Vendors (excluding Food)</u>						
Street Vendors (excluding Food)	9520	0	0	0	0	0
REFUSE WORKERS AND OTHER ELEMENTARY WORKERS						
<u>Refuse Workers</u>						
Garbage and Recycling Collectors	9611	44	79	29	1	2
Refuse Sorters	9612	0	0	0	0	0
Sweepers and Related Labourers	9613	0	0	0	0	0
<u>Other Elementary Workers</u>						
Messengers, Package Deliverers and Luggage Porters	9621	139	56	61	13	1
Odd-job Persons	9622	166	274	108	11	1
Meter Readers and Vending-machine Collectors	9623	32	47	26	4	26
Water and Firewood Collectors	9624	0	0	0	0	0
Elementary Workers Not Elsewhere Classified	9629	39	24	8	6	8
ARMED FORCES OCCUPATIONS						
COMMISSIONED ARMED FORCES OFFICERS						
<u>Commissioned Armed Forces Officers</u>	110	70	225	60	24	0
NON-COMMISSIONED ARMED FORCES OFFICERS						
<u>Non-commissioned Armed Forces Officers</u>	210	122	259	99	9	0
ARMED FORCES OCCUPATIONS, OTHER RANKS						
<u>Armed Forces Occupations, Other Ranks</u>	310	268	519	213	18	3
No corresponding code assigned	9997	863	810	558	8	558
Don't know	9998	0	14	3	3	3
No answer	9999	435	1274	512	507	25
Not Applicable	IAP	3902	12900	32959	43725	64018
Total		64814	64814	64814	64814	64814

1988 International Standard Classification Codes
(based on 1980 U.S. occupational codes)

Occupation
Code

LEGISLATORS, SENIOR OFFICIALS AND MANAGERS

LEGISLATORS AND SENIOR OFFICIALS

<u>Legislators</u>	1110
<u>Senior Government Officials</u>	1120
<u>Traditional Chiefs and Heads of Villages</u>	1130
<u>Senior Officials of Special Interest Organizations</u>	
Senior officials of political-party organizations	1141
Senior officials of employers', workers' and other economic-interest organizations	1142
Senior officials of humanitarian and other special-interest organizations	1143

CORPORATE MANAGERS

<u>Directors and Chief Executives</u>	1210
<u>Production and Operations Department Managers</u>	1220
Production and operations department managers in agriculture, hunting, forestry and fishing organizations	1221
Production and operations department managers in manufacturing	1222
Production and operations department managers in construction	1223
Production and operations department managers in wholesale and retail trade	1224
Production and operations department managers in restaurants and hotels	1225
Production and operations department managers in transport, storage and communications	1226
Production and operations department managers in business services	1227
Production and operations department managers in personal care, cleaning and related services	1228
Production and operations department managers n.e.c.	1229
<u>Other Department Managers</u>	
Finance and administration department managers	1231
Personnel and industrial relations department managers	1232
Sales and marketing department managers	1233
Advertising and public relations department managers	1234
Supply and distribution managers	1235
Computing services department managers	1236
Research and development department managers	1237
Other department managers n.e.c.	1239
<u>Misc. Office Supervisors</u>	1240

GENERAL MANAGERS

<u>General Managers</u>	
General managers in agriculture, hunting, forestry and fishing	1311
General managers in manufacturing	1312

General managers in construction	1313
General managers in wholesale and retail trade	1314
General managers of restaurants and hotels	1315
General managers of transport, storage and communications	1316
General managers of business services	1317
General managers of personal care, cleaning and related services	1318
General managers n.e.c.	1319

PROFESSIONALS

PHYSICAL, MATHEMATICAL AND ENGINEERING SCIENCE PROFESSIONALS

<u>Physicists, Chemists and Related Professionals</u>	2110
Physicists and astronomers	2111
Meteorologists	2112
	Code
Chemists	2113
Geologists and geophysicists	2114

Mathematicians, Statisticians and Related Professionals

Mathematicians and related professionals	2121
Statisticians	2122

Computing Professionals

Computer systems designers and analysts	
Computer programmers	2131
Computing professionals n.e.c.	2132
	2139

Architects, Engineers and Related Professionals

Architects, town and traffic planners	2141
Civil engineers	2142
Electrical engineers	2143
Electronics and telecommunications engineers	2144
Mechanical engineers	2145
Chemical engineers	2146
Mining engineers, metallurgists and related professionals	2147
Cartographers and surveyors	2148
Architects, engineers and related professionals n.e.c.	2149

LIFE SCIENCE AND HEALTH PROFESSIONALS

Life Science Professionals

Biologists, botanists, zoologists and related professionals	2211
Pharmacologists, pathologists and related professionals	2212
Agronomists and related professionals	2213

Health Professionals (except nursing)

Medical doctors	2221
Dentists	2222
Veterinarians	2223
Pharmacists	2224
Health professionals (except nursing) n.e.c.	2229

Nursing and Midwifery Professionals 2230

TEACHING PROFESSIONALS

College, University and Higher Education Teaching Professionals 2310

Secondary Education Teaching Professionals 2320

Secondary school teachers 2321

Primary and Pre-Primary Education Teaching Professionals

Primary education teaching professionals 2331

Pre-primary education teaching professionals 2332

Special Education Teaching Professionals 2340

Other Teaching Professionals

Education methods specialists 2351

School inspectors 2352

Other teaching professionals n.e.c. 2359

OTHER PROFESSIONALS

Business Professionals

Accountants 2411

Personnel and careers professionals 2412

Business professionals n.e.c. 2419

Legal Professionals

Lawyers 2421

Judges 2422

Legal professional n.e.c. 2429

Code

Archivists, Librarians and Related Information Professionals

Archivists and curators 2431

Librarians and related information professionals 2432

Social Science and Related Professionals 2440

Economists 2441

Sociologists, anthropologists and related professionals 2442

Philosophers, historians and political scientists 2443

Philologists, translators and interpreters 2444

Psychologists 2445

Social work professionals 2446

Writers and Creative or Performing Artists

Authors, journalists and other writers 2451

Sculptors, painters and related artists 2452

Composers, musicians and singers 2453

Choreographers and dancers 2454

Film, stage and related actors and directors 2455

Religious Professionals 2460

TECHNICIANS AND ASSOCIATE PROFESSIONALS

PHYSICAL AND ENGINEERING SCIENCE ASSOCIATE PROFESSIONALS 3100

Physical and Engineering Science Technicians 3110

Chemical and physical science technicians 3111

Civil engineering technicians 3112

Electrical engineering technicians 3113

Electronics and telecommunications engineering 3114

Mechanical engineering technicians 3115

Chemical engineering technicians 3116

Mining and metallurgical technicians 3117

Draughtspersons 3118

Physical and engineering science technicians n.e.c. 3119

Computer Associate Professionals

Computer assistants 3121

Computer equipment operators 3122

Industrial robot controllers 3123

Optical and Electronic Equipment Operators

Photographers and image and sound recording equipment operators 3131

Broadcasting and telecommunications equipment operators 3132

Medical equipment operators 3133

Optical and electronic equipment operators n.e.c. 3139

Ship and Aircraft Controllers and Technicians 3140

Ships' engineers 3141

Ships' deck officers and pilots 3142

Aircraft pilots and related associate professionals 3143

Air traffic controllers 3144

Air traffic safety technicians 3145

Safety and Quality Inspectors

Building and fire inspectors 3151

Safety, health and quality inspectors 3152

LIFE SCIENCE AND HEALTH ASSOCIATE PROFESSIONALS

Life Science Technicians and Related Associate Professionals

Life science technicians 3211

Agronomy and forestry technicians 3212

Farming and forestry advisers 3213

Modern Health Associate Professionals (except nursing)

Medical assistants 3221

Sanitarians 3222

Dieticians and nutritionists 3223

Optometrists and opticians	3224
	Code
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Dental assistants	3225
Physiotherapists and related associate professionals	3226
Veterinary assistants	3227
Pharmaceutical assistants	3228
Modern health associates (except nursing) n.e.c.	3229
<u>Nursing and Midwifery Associate Professionals</u>	
Nursing associate professionals	3231
Midwifery associate professionals	3232
<u>Traditional Medicine Practitioners and Faith Healers</u>	
Traditional medicine practitioners	3241
Faith healers	3242
TEACHING ASSOCIATE PROFESSIONALS	3300
<u>Primary Education Teaching Associate Professionals</u>	3310
<u>Pre-Primary Education Teaching Associate Professionals</u>	3320
<u>Special Education Teaching Associate Professionals</u>	3330
<u>Other Teaching Associate Professionals</u>	3340
OTHER ASSOCIATE PROFESSIONALS	
<u>Finance and Sales Associate Professionals</u>	3410
Securities and finance dealers and brokers	3411
Insurance representatives	3412
Estate agents	3413
Travel consultants and organizers	3414
Technical and commercial sales representatives	3415
Buyers	3416
Appraisers, valuers and auctioneers	3417
Finance and sales associate professionals n.e.c.	3419
<u>Business Services Agents and Trade Brokers</u>	
Trade brokers	3421
Clearing and forwarding agents	3422
Employment agents and labor contractors	3423
Business services agents and trade brokers n.e.c.	3429
<u>Administrative Associate Professionals</u>	
Administrative secretaries and related associate professionals	3431
Legal and related business associate professionals	3432
Bookkeepers	3433
Statistical, mathematical and related associate professionals	3434
Administrative associate professionals n.e.c.	3439
<u>Customs, Tax and Related Government Associate Professionals</u>	

Customs and border inspectors	3441
Government tax and excise officials	3442
Government social benefits officials	3443
Government licensing officials	3444
Customs, tax and related government associate professionals n.e.c.	3449
<u>Police Inspectors and Detectives</u>	3450
<u>Social Work Associate Professionals</u>	3460
<u>Artistic, Entertainment and Sports Associate Professionals</u>	3470
Decorators and commercial designers	3471
Radio, television and other announcers	3472
Street, night-club and related musicians, singers and dancers	3473
Clowns, magicians, acrobats and related associate professionals	3474
Athletes, sportspersons and related associate professionals	3475
<u>Religious Associate Professionals</u>	3480
CLERKS	4100
	Code
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OFFICE CLERKS	
<u>Secretaries and Keyboard-Operating Clerks</u>	4110
Stenographers and typists	4111
Word-processor and related operators	4112
Data entry operators	4113
Calculating-machine operators	4114
Secretaries	4115
<u>Numerical Clerks</u>	
Accounting and bookkeeping clerks	4121
Statistical and finance clerks	4122
<u>Material-Recording and Transport Clerks</u>	
Store clerks	4131
Production clerks	4132
Transport clerks	4133
<u>Library, Mail and Related Clerks</u>	
Library and filing clerks	4141
Mail carriers and sorting clerks	4142
Coding, proof-reading and related clerks	4143
Scribes and related workers	4144
<u>Other Office Clerks</u>	4190
CUSTOMER SERVICES CLERKS	
<u>Cashiers, Tellers and Related Clerks</u>	
Cashiers and ticket clerks	4211
Tellers and other counter clerks	4212

Bookmakers and croupiers	4213
Pawnbrokers and money-lenders	4214
Debt-collectors and related workers	4215
<u>Client Information Clerks</u>	
Travel agency and related clerks	4221
Receptionists and information clerks	4222
Telephone switchboard operators	4223
SERVICE WORKERS AND SHOP MARKET SALES WORKERS	5100
PERSONAL AND PROTECTIVE SERVICES WORKERS	5110
<u>Travel Attendants and Related Workers</u>	
Travel attendants and travel stewards	5111
Transport conductors	5112
Travel guides	5113
<u>Housekeeping and Restaurant Services Workers</u>	
Housekeepers and related workers	5121
Cooks	5122
Waiters, waitresses and bartenders	5123
<u>Personal Care and Related Workers</u>	
Child-care workers	5131
Institution-based personal care workers	5132
Home-based personal care workers	5133
Personal care and related workers n.e.c.	5139
<u>Other Personal Services Workers</u>	
Hairdressers, barbers, beauticians and related workers	5141
Companions and valets	5142
Undertakers and embalmers	5143
Other personal services workers n.e.c.	5149
<u>Astrologers, Fortune-Tellers and Related Workers</u>	
Astrologers and related workers	5151
Fortune-tellers, palmists and related workers	5152
	Code
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<u>Protective Services Workers</u>	
Fire-fighters	5161
Police officers	5162
Prison guards	5163
Protective services workers n.e.c.	5169
MODELS, SALESPERSONS AND DEMONSTRATORS	5200
<u>Fashion and Other Models</u>	
	5210
<u>Shop Salespersons and Demonstrators</u>	
	5220

Stall and Market Salespersons 5230

SKILLED AGRICULTURAL AND FISHERY WORKERS

MARKET-ORIENTED SKILLED AGRICULTURAL AND FISHERY WORKERS

Market Gardeners and Crop Growers

Field crop and vegetable growers 6111
Tree and shrub crop growers 6112
Gardeners, horticultural and nursery growers 6113
Mixed-crop growers 6114

Market-Oriented Animal Producers and Related Workers

Dairy and livestock producers 6121
Poultry producers 6122
Apiarists and sericulturalists 6123
Mixed-animal producers 6124
Market-oriented animal producers and related workers n.e.c. 6129

Market-Oriented Crop and Animal Producers

Farmers 6130
Farm supervisors 6132
6133

Forestry and Related Workers

Forestry workers and loggers 6141
Charcoal Burners and related workers 6142

Fishery Workers, Hunters and Trappers

Aquatic-life cultivation workers 6150
Inland and coastal waters fishery workers 6151
Deep-sea fishery workers 6152
Hunters and trappers 6153
6154

SUBSISTENCE AGRICULTURAL AND FISHERY WORKERS

Subsistence Agricultural and Fishery Workers 6210

CRAFT AND RELATED TRADES WORKERS

EXTRACTION AND BUILDING TRADES WORKERS

7110

Miners, Shotfirers, Stone Cutters and Carvers

Miners and quarry workers 7111
Shotfirers and blasters 7112
Stone splitters, cutters and carvers 7113

Building Frame and Related Trades Workers

Builders, traditional materials 7121
Bricklayers and stonemasons 7122
Concrete placers, concrete finishers and related workers 7123
Carpenters and joiners 7124
Building frame and related trades workers n.e.c. 7129

<u>Building Finishers and Related Trades Workers</u>	
Roofers	7131
Floor layers and tile setters	7132
Plasterers	7133
Insulation workers	7134
	Code
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Glaziers	7135
Plumbers and pipe fitters	7136
Building and related electricians	7137
<u>Painters, Building Structure Cleaners and Related Trades Workers</u>	
Painters and related workers	7141
Varnishers and related painters	7142
Building structure cleaners	7143
METAL, MACHINERY AND RELATED TRADES WORKERS	7200
<u>Metal Moulders, Welders, Sheet-Metal Workers, Structural-Metal Preparers, and Related Workers</u>	
Metal moulders and coremakers	7211
Welders and flamecutters	7212
Sheet-metal workers	7213
Structural-metal preparers and erectors	7214
Riggers and cable splicers	7215
Underwater workers	7216
<u>Blacksmiths, Tool-Makers and Related Trade Workers</u>	
Blacksmiths, hammer-smiths and forging-press workers	7221
Tool-makers and related workers	7222
Machine-tool setters and setter-operators	7223
Metal wheel-grinders, polishers and tool sharpeners	7224
<u>Machinery Mechanics and Fitters</u>	
Motor vehicle mechanics and fitters	7230
Aircraft engine mechanics and fitters	7231
Agricultural- or industrial-machinery mechanics and fitters	7232
Misc. garage helpers	7233
<u>Electrical and Electronic Equipment Mechanics And Fitters</u>	
Electrical mechanics and fitters	7240
Electronics fitters	7241
Electronics mechanics and servicers	7242
Telegraph and telephone installers and servicers	7243
Electrical line installers, repairs and cable jointers	7244
	7245
PRECISION, HANDICRAFT, PRINTING AND RELATED TRADES WORKERS	7300
<u>Precision Workers in Metal and Related Materials</u>	
Precision-instrument makers and repairers	7310
Musical-instrument makers and tuners	7311
Jewellery and precious-metal workers	7312
	7313

Potters, Glass-Makers and Related Trades Workers

Abrasive wheel formers, potters and related workers	7321
Glass-makers, cutters, grinders and finishers	7322
Glass engravers and etchers	7323
Glass, ceramics and related decorative painters	7324

Handicraft Workers in Wood, Textiles, Leather and Related Materials

Handicraft workers in wood and related materials	7331
Handicraft workers in textile, leather and related materials	7332

Printing and Related Trades Workers

Compositors, typesetters and related workers	7341
Stereotypers and electrotypers	7342
Printing engravers and etchers	7343
Photographic and related workers	7344
Bookbinders and related workers	7345
Silk-screen, block and textile printers	7346

OTHER CRAFT AND RELATED TRADES WORKERS

Food Processing and Related Trade Workers

Butchers, fishmongers and related food preparers	7411
Bakers, pastry-cooks and confectionery makers	7412
Dairy-products makers	7413
Fruit, vegetable and related preservers	7414
	Code

Food and beverage tasters and graders	7415
Tobacco preparers and tobacco product makers	7416

Wood Treaters, Cabinet-Makers and Related Trades Workers

Wood treaters	7421
Cabinet-makers and related workers	7422
Woodworking-machine setters and setter-operators	7423
Basketry weavers, brush makers and related workers	7424

Textile, Garment and Related Trades Workers

Fibre preparers	7431
Weavers, knitters and related workers	7432
Tailors, dressmakers and hatters	7433
Furriers and related workers	7434
Textile, leather and related pattern-makers and cutters	7435
Sewers, embroiderers and related workers	7436
Upholsterers and related workers	7437

Pelt, Leather and Shoemaking Trades Workers

Pelt dressers, tanners and fellmongers	7441
Shoe-makers and related workers	7442

Supervisors, crafts and trades

7510

Misc. crafts and trades

7520

PLANT AND MACHINE OPERATORS AND ASSEMBLERS

STATIONARY-PLANT AND RELATED OPERATORS	8100
<u>Mining- and Mineral-Processing Plant Operators</u>	
Mining-plant operators	8111
Mineral-ore- and stone-processing-plant operators	8112
Well drillers and borers and related workers	8113
<u>Metal-Processing-Plant Operators</u>	
Ore and metal furnace operators	8121
Metal melters, casters and rolling-mill operators	8122
Metal-heat-treating-plant operators	8123
Metal drawers and extruders	8124
<u>Glass, Ceramics and Related Plant Operators</u>	
Glass and ceramics kiln and related machine operators	8131
Glass and ceramics kiln and related machine operators n.e.c.	8139
<u>Wood-Processing-Plant Operators</u>	
Wood-processing-plant operators	8141
Paper-pulp plant operators	8142
Papermaking-plant operators	8143
<u>Chemical-Processing-Plant Operators</u>	
Crushing-, grinding- and chemical mixing-machinery operators	8151
Chemical-heat-treating-plant operators	8152
Chemical-filtering- and separating-equipment operators	8153
Chemical-still and reactor operators (except petroleum and natural gas)	8154
Petroleum- and natural-gas-refining-plant operators	8155
Chemical-processing-plant operators n.e.c.	8159
<u>Power-Production and Related Plant Operators</u>	
Power-production plant operators	8161
Steam-engine and boiler operators	8162
Incinerator, water-treatment and related plant operators	8163
<u>Automated-Assembly-Line and Industrial-Robot Operators</u>	
Automated assembly-line operators	8171
Industrial-robot operators	8172
MACHINE OPERATORS AND ASSEMBLERS	8200

Code

<u>Metal- and Mineral-Products Machine Operators</u>	
Machine-tool operators	8211
Cement and other mineral products machine operators	8212
<u>Chemical-Products Machine Operators</u>	
Pharmaceutical- and toiletry products machine operators	8221
Ammunition- and explosive-products machine operators	8222

Metal finishing-, plating- and coating- machine operators	8223
Photographic-products machine operators	8224
Chemical-products machine operators n.e.c.	8229
<u>Rubber- and Plastic-Products Machine Operators</u>	8230
Rubber-products machine operators	8231
Plastic-products machine operators	8232
<u>Wood-Products Machine Operators</u>	8240
<u>Printing-, Binding- and Paper-Products Machine Operators</u>	
Printing-machine operators	8251
Bookbinding-machine operators	8252
Paper-products operators	8253
<u>Textile-, Fur- and Leather-Products Machine Operators</u>	
Fibre-preparing-, spinning- and winding-machine operators	8261
Weaving- and knitting-machine operators	8262
Sewing-machine operators	8263
Bleaching-, dyeing- and cleaning-machine operators	8264
Fur- and leather-preparing-machine operators	8265
Shoemaking- and related machine operators	8266
Textile-, fur- and leather-products machine operators n.e.c.	8269
<u>Food and Related Products Machine Operators</u>	8270
Meat- and fish processing-machine operators	8271
Dairy-products machine operators	8272
Grain- and spice-milling-machine operators	8273
Baked-goods, cereal and chocolate-products machine operators	8274
Fruit-, vegetable- and nut-processing-machine operators	8275
Sugar production machine operators	8276
Tea-, coffee- and cocoa-processing-machine operators	8277
Brewers-, wine and other beverage machine operators	8278
Tobacco production machine operators	8279
<u>Assemblers</u>	
Mechanical-machinery assemblers	8281
Electrical-equipment assemblers	8282
Electronic-equipment assemblers	8283
Metal-, rubber- and plastic-products assemblers	8284
Wood and related products assemblers	8285
Paperboard, textile and related products assemblers	8286
<u>Other Machine Operators and Assemblers</u>	8290
DRIVERS AND MOBILE-PLANT OPERATORS	
<u>Locomotive-Engine Drivers and Related Workers</u>	8310
Locomotive-engine drivers	8311
Railway brakemen, signalers and shunters	8312
<u>Motor-vehicle Drivers</u>	

Motorcycle drivers	8321
Car, taxi and van drivers	8322
Bus and tram drivers	8323
Heavy truck and lorry drivers	8324

<u>Agricultural and Other Mobile-Plant Operators</u>	8330
Motorized farm and forestry plant operators	8331
Earth-moving and related plant operators	8332
Crane, hoist and related plant operators	8333
Lifting-truck operators	8334

Code

<u>Ships' Deck Crews and Related Workers</u>	8340
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FABRICATING MACHINE OPERATORS, NOT ELSEWHERE CLASSIFIED	8400
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ELEMENTARY OCCUPATIONS

SALES AND SERVICES ELEMENTARY OCCUPATIONS

<u>Street Vendors and Related Workers</u>	9110
Street food vendors	9111
Street vendors, non-food products	9112
Door-to-door and telephone salespersons	9113

<u>Shoe Cleaning and Other Street Services Elementary Occupations</u>	9120
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<u>Domestic and Related Helpers, Cleaners and Launderers</u>	
Domestic helpers and cleaners	9131
Helpers and cleaners in offices, hotels and other establishments	9132
Hand-launderers and pressers	9133

<u>Building Caretakers, Window and Related Cleaners</u>	9140
Building caretakers	9141
Vehicle, window and related cleaners	9142

<u>Messengers, Porters, Doorkeepers and Related Workers</u>	
Messengers, package and luggage porters and deliverers	9151
Doorkeepers, watchpersons and related workers	9152
Vending-machine money collectors, meter readers and related workers	9153

<u>Garbage Collectors and Related Laborers</u>	9160
Garbage collectors	9161
Sweepers and related laborers	9162

AGRICULTURAL, FISHERY AND RELATED LABORERS

<u>Agricultural, Fishery and Related Laborers</u>	
Farm-hands and laborers	9211
Forestry laborers	9212
Fishery, hunting and trapping laborers	9213

LABORERS IN MINING, CONSTRUCTION, MANUFACTURING AND
TRANSPORT 9300

Mining and Construction Laborers

Mining and quarrying laborers 9311

Construction and maintenance laborers: roads, dams and similar constructions 9312

Building construction laborers 9313

Manufacturing Laborers

Assembling laborers 9321

Hand packers and other manufacturing laborers 9322

Transport Laborers and Freight Handlers

Hand or pedal vehicle drivers 9331

Drivers of animal-drawn vehicles and machinery 9332

Freight handlers 9333

ARMED FORCES

ARMED FORCES

Armed Forces

0110

Not applicable (No OCC, OCC uncodable for ISCO88, Don't know, No Answer)

IAP

Total