

## APPENDIX I:

## INTERNATIONAL STANDARD CLASSIFICATION OF OCCUPATIONS

(ISCO68, PAISCO68, SPISCO68, ISCO681, PAISC681, MAISC681, SPISC681, ISCO88, PAISCO88, MAISCO88, SPISCO88)

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. The conversion from 1980 Census to 1968 ISCO is preliminary and subject to revision.

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

Punch

Appendix I

OCC. Code	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	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
<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

Aircraft Pilots, Navigators and Flight Engineers

Airline Pilot	0410	25	18	21
Astronaut	0411	0	0	0

Ships' Deck Officers and Pilots

Ship's Officer	0420	6	29	6
Small Boat Officer	0421	0	0	0

Ships' Engineers

Ship's Engineer	0430	0	0	0
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## LIFE SCIENTISTS AND RELATED TECHNICIANS

Biologists, Zoologists and Related Scientists

Biologist	0510	16	4	13
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Bacteriologists, Pharmacologists and Related Scientists

Medical Researcher	0520	0	0	0
Dairy Scientist	0521	0	0	0

Agronomists and Related Scientists

Agronomist	0530	30	24	18
Agricultural Agent	0531	0	0	0

Life Sciences Technicians

Medical Technician	0540	132	8	55
Agricultural Technician	0541	0	0	0

## MEDICAL, DENTAL, VETERINARY AND RELATED WORKERS

Medical Doctors

Physician	0610	53	112	49
Chief Physician in Hospital	0611	0	0	0

Medical Assistants

Medical Assistant	0620	93	0	37
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Dentists

Dentist	0630	27	40	14
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Dental Assistants

	0640	54	1	35
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Veterinarians

Veterinarian	0650	7	12	1
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Veterinary Assistants

	0660	0	0	0
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Pharmacists

Pharmacist	0670	23	37	19
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Pharmaceutical Assistants

Uncertified Pharmacist	0680	0	0	0
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Dietitians and Public Health Nutritionists

Dietitian	0690	16	1	14
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Professional Nurses

Professional Nurse, Nurse	0710	535	3	292
Head Nurse	0711	0	0	0

Nursing Personnel n.e.c.

Uncertified Nurse	0720	490	28	213
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Professional Midwives

Professional Midwife, Midwife	0730	0	0	0
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Midwifery Personnel n.e.c.

	0740	0	0	0
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Optometrists and Opticians

Optometrist	0750	7	8	6
Optician	0751	0	0	0

Physiotherapists and Occupational Therapists

Physiotherapist	0760	51	4	38
Occupational Therapist	0761	0	0	0
Masseur	0762	0	0	0

Medical X-Ray Technician

	0770	27	2	12
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Medical, Dental, Veterinary and Related Workers n.e.c.

Osteopath	0790	4	5	0
Chiropractor	0791	7	9	7
Herbalist	0792	0	0	0

Sanitary Officer	0793	0	0	Appendix I
STATISTICIANS, MATHEMATICIANS, SYSTEMS ANALYSTS AND RELATED				
<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
<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
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

Other Professional, Technical and Related Workers

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

Heads of Government Jurisdiction

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

Members of Legislative Bodies

Leader of House	2020	0	0	0
Member Upper House	2021	0	0	0
Member Lower House	2022	0	0	0
Member Provincial House	2023	0	0	0
Member Local Council	2024	0	0	0

High Administrative Officials

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

General Managers

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

Production Managers (Except Farm)

Factory Manager	2120	0	0	0
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Managers n.e.c.

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

Clerical Supervisors

Office Manager	3000	213	58	109
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## GOVERNMENT EXECUTIVE OFFICIALS

Government Executive Officials

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

Stenographers, Typists and Teletypists

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
<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>				
Proofreader	3990	683	109	341
Political Party Worker	3991	12	2	4
Meter Reader	3992	13	7	6
	3993	10	15	9

## SALES WORKERS

## MANAGERS (WHOLESALE AND RETAIL TRADE)

Managers (Wholesale and Retail Trade)

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)

Working Proprietors (Wholesale and Retail Trade)

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

Sales Supervisors

Sales Manager	4210	229	159	156
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Buyers

Buyer	4220	40	23	27
Purchasing Agent	4221	47	46	41
Agricultural Buyer	4222	4	28	6

## TECHNICAL SALESMAN, COMMERCIAL TRAVELLERS AND MANUFACTURERS' AGENTS

Technical Salesmen and Service Advisers

Sales Engineer	4310	2	3	8
Utility Co. Salesman	4311	0	0	0

Commercial Travellers and Manufacturers' Agents

Traveling Salesman	4320	0	0	0
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## INSURANCE, REAL ESTATE, SECURITIES AND BUSINESS SERVICES SALESMEN AND AUCTIONEERS

Insurance, Real Estate and Securities Salesman

Insurance Agent	4410	139	152	106
Real Estate Agent	4411	117	99	75
Stock Broker	4412	28	23	14

Business Services Salesmen

Advertising Salesman	4420	24	15	11
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Auctioneers

Auctioneer	4430	2	1	2
Appraiser	4431	8	7	3
Insurance Claims Investigator	4432	43	23	31

## SALESMEN, SHOP ASSISTANTS AND RELATED WORKERS

Salesmen, Shop Assistants and Demonstrators

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

Street Vendors, Canvassers and Newsvendors

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
Routeman	4524	0	0	0
Narcotics Peddler	4525	0	0	0

## SALES WORKERS n.e.c.

Sales Workers n.e.c.

Money Lender	4900	0	0	0
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**SERVICE WORKERS**

## MANAGERS (CATERING AND LODGING SERVICES)

Managers (Catering and Lodging Services)

Bar Manager	5000	170	107	79
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Hotel Manager	5001	0	0	
Apartment Manager	5002	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
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 <sup>1</sup>	5895	211	295	177
SERVICE WORKERS n.e.c.				
<u>Guides</u>				
Museum Attendant	5910	0	0	0
<u>Undertakers and Embalmers</u>				

Undertaker

5920

15

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Appendix I

<sup>1</sup>This code is not part of the International Standard Classification Codes. It is a code used by NORC.Other Service Worker

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

Farm Managers and Supervisors

Farm Manager	6000	12	66	7
Farm Foreman	6001	5	32	6

## FARMERS

General Farmers

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
Settler	6116	0	0	0
Unpaid Family Farm Worker	6117	11	9	11

Specialized Farmers

Specialized Farmer	6120	0	0	0
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## AGRICULTURAL AND ANIMAL HUSBANDRY WORKERS

General Farm Workers

Farm Hand	6210	143	451	77
Migrant Worker	6211	0	0	0

Field Crop and Vegetable Farm Workers

Field Crop Worker	6220	0	0	0
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Orchard, Vineyard and Related Tree and Shrub Crop Workers

Palmwine Harvester	6230	0	0	0
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Livestock Workers

Livestock Worker	6240	0	0	0
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Dairy Farm Worker

Milker	6250	0	0	0
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Poultry Farm Workers

	6260	0	0	0
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Nursery Workers and Gardeners

Gardener	6270	0	0	0
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Farm Machinery Operators

Tractor Driver	6280	0	0	0
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Agricultural and Animal Husbandry Workers n.e.c.

Skilled Farm Worker	6290	2	14	1
Gatherer	6291	0	0	0

**FORESTRY WORKERS**Loggers

Logger	6310	0	0	0
Whistle Punk	6311	0	0	0

Forestry Workers (Except Logging)

Forester	6320	0	0	0
Timber Cruiser	6321	0	0	0
Tree Surgeon	6322	0	0	0

## FISHERMEN, HUNTERS AND RELATED WORKERS

Fishermen

Fisherman	6410	9	25	0
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
<b>PRODUCTION AND RELATED WORKERS, TRANSPORT EQUIPMENT OPERATORS AND LABORERS</b>				
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
<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	
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
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				
<u>Tanners and Fellmongers</u>	7610	0	0	0
<u>Pelt Dressers</u>	7620	0	0	0
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

<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
<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</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</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
<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
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## 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
<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
<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	Appendix I
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
<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	Appendix I
<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 ANSWER	BK	30820	32787	40523

1968 International Standard Classification Codes  
(based on 1980 U.S. occupational codes)

Punch  
Occupation  
Code      Respondent      R's Father      R's Spouse      R's Mother  
(ISCO681)      (PAISC681)      (SPISC681)      (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	0320	60	60	19	6
Draftsman	0321	0	0	0	0
	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
<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	Appendix I	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
<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>	0760	16	5	10	3
Occupational Therapist	0761	16	0	10	5
Masseur	0762	0	0	0	0
Physiotherapist	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>	0790	77	14	33	17
Chiropractor	0791	0	0	0	0
Herbalist	0792	0	0	0	0
Sanitary Officer	0793	0	0	0	0
Osteopath	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>	1100	351	265	173	142
Professional Accountant	1101	0	0	0	0
Accountant	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>	1310	253	156	124	57
University Professor	1311	0	0	0	0
University President, Dean	1319	0	0	0	0
<u>Secondary Education Teachers</u>	1320	371	193	184	227
Middle School Teacher	1321	0	0	0	0
High School Teacher	1329	0	0	0	0
<u>Primary Education Teachers</u>					
Teacher, Primary Teacher	1330	695	129	383	624
<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	Appendix I	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>					
Newspaper Editor	1590	108	29	36	37
Advertising Writer	1591	0	0	0	0
Public Relations Man	1592	0	0	0	0
Journalist	1593	56	17	20	7
	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>					
Jazz Musician	1710	56	25	23	16
Musical Entertainer	1711	0	0	0	0
Music Teacher	1712	0	0	0	0
Musician, Classical Musician	1713	0	0	0	0
	1719	0	0	0	0
<u>Choreographers and Dancers</u>					
Dancing Teacher	1720	11	0	4	1
Dancer	1721	0	0	0	0
	1729	0	0	0	0
<u>Actors and Stage Directors</u>					
Star Actor	1730	47	7	19	4
Dramatic Director	1731	0	0	0	0
Actor	1732	0	0	0	0
	1739	0	0	0	0
<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>					
Entertainer	1790	25	12	11	5
Radio, TV Announcer	1791	0	0	0	0
	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>	1930	20	0	5	10
Group Worker	1931	0	0	0	0
Social Worker	1939	276	43	107	100
<u>Personnel and Occupational Specialists</u>	1940	204	57	128	58
Job Counselor	1941	0	0	0	0
Personnel Director	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>	2010	164	166	98	39
Provincial Governor	2011	0	0	0	0
District Head	2012	0	0	0	0
Head, Large City	2013	0	0	0	0
Head, City or Small City	2014	0	0	0	0
Village Head	2015	0	0	0	0
Chief of State	2019	0	0	0	0
<u>Members of Legislative Bodies</u>	2020	4	9	3	1
Member Upper House	2021	0	0	0	0
Member Lower House	2022	0	0	0	0
Member Provincial House	2023	0	0	0	0
Member Local Council	2024	0	0	0	0
Leader of House	2029	0	0	0	0
<u>High Administrative Officials</u>	2030	5	15	2	1
Ambassador	2031	0	0	0	0
Diplomat	2032	0	0	0	0
High Civil Servant, Dept. Head	2033	0	0	0	0
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
<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, Expeditior	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>	3700	135	80	49	62
Office Boy, Messenger	3701	35	6	14	0
Mail Carrier	3709	77	159	45	23

## TELEPHONE AND TELEGRAPH OPERATORS

<u>Telephone and Telegraph Operators</u>	3800	2	2	1	1
Telegraph Operator	3801	1	6	1	1
Radio Operator	3802	0	0	0	0
Telephone Operator	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>					
	3930	3	0	1	1
Government Office Clerk	3931	0	0	0	0
Law Clerk	3932	0	0	0	0
Office Clerk	3939	414	58	162	224
<u>Receptionists and Travel Agency Clerks</u>					
	3940	31	0	10	8
Transportation Agent	3941	0	0	0	0
Railway Baggage man	3942	0	0	0	0
Travel Agent	3943	0	0	0	0
Floor Walker	3944	0	0	0	0
Receptionist	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>					
	3990	358	52	168	111
Political Party Worker	3992	0	0	0	0
Meter Reader	3993	11	19	7	0
Proofreader	3999	6	1	1	10
<b>SALES WORKERS</b>					
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
Retail Manager	4009	0	0	0	0
WORKING PROPRIETORS (WHOLESALE AND RETAIL TRADE)					
<u>Working Proprietors (Wholesale and Retail Trade)</u>					
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					
<u>Sales Supervisors</u>					
Sales Manager	4210	713	841	406	259
<u>Buyers</u>					
Purchasing Agent	4220	105	74	50	22
Agricultural Buyer	4221	0	0	0	0
	4222	5	19	5	1
Buyer	4229	0	0	0	0
TECHNICAL SALESMAN, COMMERCIAL TRAVELLERS AND MANUFACTURERS' AGENTS					
<u>Technical Salesmen and Service Advisers</u>					
Utility Co. Salesman	4311	0	0	0	0
Sales Engineer	4319	8	3	4	0
<u>Commercial Travellers and Manufacturers' Agents</u>					
Traveling Salesman	4320	285	365	164	37
INSURANCE, REAL ESTATE, SECURITIES AND BUSINESS SERVICES SALESMEN AND AUCTIONEERS					
<u>Insurance, Real Estate and Securities Salesman</u>					
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
<u>Business Services Salesmen</u>					
Advertising Salesman					



	4420	42	15	Appendix I	4
<u>Auctioneers</u>					
Auctioneer					
Appraiser	4430	0	0	0	0
Insurance Claims Investigator	4431	201	14	73	46
	4432	87	18	30	19
SALESMEN, SHOP ASSISTANTS AND RELATED WORKERS					
<u>Salesmen, Shop Assistants and Demonstrators</u>					
Automobile Salesman					
Gas Station Attendant	4511	0	0	0	0
Model	4512	0	0	0	0
Sales Demonstrator	4513	18	0	5	5
Sales Clerk	4514	0	0	0	0
	4519	920	434	406	622
<u>Street Vendors, Canvassers and Newsvendors</u>	4520	38	98	32	4
Street Vendor, Peddler	4521	98	30	34	58
Telephone Solicitor	4522	0	0	0	0
Newspaper Seller	4523	16	9	7	8
Routeman	4524	0	0	0	0
Narcotics Peddler	4525	0	0	0	0
Market Trader	4529	0	0	0	0
SALES WORKERS n.e.c.					
<u>Sales Workers n.e.c.</u>					
Money Lender	4900	12	4	8	0
<b>SERVICE WORKERS</b>					
MANAGERS (CATERING AND LODGING SERVICES)					
<u>Managers (Catering and Lodging Services)</u>					
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)					
<u>Working Proprietors (Catering and Lodging Services)</u>					
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					
<u>Housekeeping and Related Service Supervisors</u>	5200	244	74	119	124
Housekeeper	5201	0	0	0	0
Steward	5209	0	0	0	0
COOKS, WAITERS, BARTENDERS AND RELATED WORKERS	5300	160	11	42	148
<u>Cooks</u>					
Master Cook	5311	0	0	0	0
Cook's Helper	5312	78	8	20	29
Cook	5319	405	101	141	444
<u>Waiters, Bartenders and Related Workers</u>	5320	49	1	8	10
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.					
<u>Maids and Related Housekeeping Service Workers n.e.c.</u>	5400	198	13	66	207
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	5500	532	322	221	211
<u>Building Caretakers</u>	5510	57	31	25	15
Concierge (Apartment House)	5511	0	0	0	0
Sexton	5512	0	0	0	0
Janitor	5519	0	0	0	0

<u>Charworkers, Cleaners and Related Workers</u>	5520	242	9	66	510
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					
<u>Launderers, Dry-Cleaners and Pressers</u>					
Launderer	5600	111	48	28	157
HAIRDRESSERS, BARBERS, BEAUTICIANS AND RELATED WORKERS					
<u>Hairdressers, Barbers, Beauticians and Related Workers</u>	5700	14	6	4	7
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
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>	5890	207	142	99	38
Prison Guard	5891	56	31	42	3
Bailiff	5892	0	0	0	0
Armed Forces <sup>1</sup>	5895	162	419	122	20
Watchman	5899	0	0	0	0
SERVICE WORKERS n.e.c.					
<u>Guides</u>	5900	131	9	40	54
Museum Attendant	5910	6	0	7	0
<u>Undertakers and Embalmers</u>					
Undertaker	5920	13	23	5	5
<u>Other Service Worker</u>	5990	32	21	20	8
Entertainment Attendant	5991	48	10	17	13
Elevator Operator	5992	1	5	2	4
Hotel Bell Boy	5993	0	0	0	0
Doorkeeper	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
<sup>1</sup> This code is not part of the International Standard Classification Codes. It is a code used by NORC.					
AGRICULTURAL, ANIMAL HUSBANDRY AND FORESTRY WORKERS, FISHERMEN AND					
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

<u>Specialized Farmers</u>	6119	0	0	Appendix I	0
Specialized Farmer					
AGRICULTURAL AND ANIMAL HUSBANDRY WORKERS	6120	16	21	5	0
<u>General Farm Workers</u>	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
<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
<b>PRODUCTION AND RELATED WORKERS, TRANSPORT EQUIPMENT OPERATORS AND LABORERS</b>					
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
<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
<u>Metal Annealers, Temperers, and Case-Hardeners</u>			41		
	7250	0	0	0	0
<u>Metal Drawers and Extruders</u>					
	7260	0	0	0	0
<u>Metal Platers and Coaters</u>					
Galvinizer	7270	10	5	4	0
	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>					
Lumber Grader	7320	32	74	15	1
Sawyer in Saw Mill	7321	0	0	0	0
	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>					
Cloth Grader	7540	19	21	6	40
Weaver	7541	0	0	0	0
	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
<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
<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	Appendix I	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
<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		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>	8730	74	84	29	1
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>	8800	13	10	9	3
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>	8910	21	13	8	5
Glass Blower	8911	0	0	0	0
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>	8930	31	96	18	0
<u>Glass Engravers and Etchers</u>	8940	0	0	0	0
<u>Glass and Ceramics Painters and Decorators</u>	8950	12	11	7	3
<u>Glass Formers, Potters, and Related Workers n.e.c.</u>	8990	0	1	0	0
RUBBER AND PLASTICS PRODUCT MAKERS					
<u>Rubber and Plastics Product Makers (Except Tire Makers and Tire Vulcanizers)</u>	9010	0	0	0	0
<u>Tire Makers and Vulcanizers</u>	9020	0	0	0	0
PAPER AND PAPERBOARD PRODUCTS MAKERS					
<u>Paper and Paperboard Products Makers</u>	9100	0	0	0	0
PRINTERS AND RELATED WORKERS					
<u>Compositors and Typesetters</u>	9210	14	23	7	7
Master 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>	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

				Appendix I	
<u>Bookbinders and Related Workers</u>				4	10
Bookbinder	9260	12	7		
<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>	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>	9430	31	37	13	19
<u>Other Production and Related Workers</u>	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					
<u>Bricklayers, Stonemasons and Tile Setters</u>					
Mason	9510	64	149	31	1
<u>Reinforced-Concreters, Cement Finishers and Terrazzo Workers</u>					
Cement Finisher	9520	19	26	12	0
<u>Roofers</u>					
Roofer	9530	50	38	27	2
<u>Carpenters, Joiners and Parquetry Workers</u>					
Master Carpenter	9541	0	0	0	0
Carpenter's Helper	9542	0	0	0	0
Carpenter	9549	0	0	0	0
<u>Plasterers</u>					
Master Plasterer	9551	0	0	0	0
Plasterer	9559	6	24	4	0
<u>Insulators</u>					
Insulation Installer	9560	11	7	8	0
<u>Glaziers</u>					
Glazier	9570	5	10	6	0
<u>Construction Workers n.e.c.</u>					
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					
<u>Power-Generating Machinery Operators</u>					
Power Station Operator	9610	6	7	5	0
<u>Stationary Engine and Related Equipment Operators n.e.c.</u>					
Stationary Engineer	9690	156	416	108	8



## MATERIAL-HANDLING AND RELATED EQUIPMENT OPERATORS, DOCKERS AND FREIGHT

Appendix I

<u>Dockers and Freight Handlers</u>	9710	112	84	45	3
Warehouse Hand	9711	0	0	0	0
Porter	9712	120	31	50	48
Railway, Airport Porter	9713	0	0	0	0
Packer	9714	178	51	65	172
Longshoreman	9719	8	44	7	0
<u>Riggers and Cable Splicers</u>	9720	0	0	0	0
<u>Crane and Hoist Operators</u>	9730	24	68	18	1
Drawbridge Tender	9731	0	0	0	0
Power Crane Operator	9739	0	0	0	0
<u>Earth-Moving and Related Machinery Operators</u>					
Road Machinery Operator	9740	30	48	20	0
<u>Material-Handling Equipment Operators n.e.c.</u>	9790	230	229	129	7
TRANSPORT EQUIPMENT OPERATORS					
<u>Ships' Deck Ratings, Barge Crews and Boatmen</u>	9810	5	34	7	0
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>	9830	17	78	10	0
Locomotive Fireman	9831	0	0	0	0
Ore Train Motorman in Mine	9832	0	0	0	0
Locomotive Engineer	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>					
Wagoneer	9861	0	0	0	0
Animal Driver	9869	0	0	0	0
<u>Transport Equipment Operators n.e.c.</u>	9890	10	7	5	0
Railway Crossing Guard	9891	22	58	12	11
Pedal-Vehicle Driver	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>	9990	328	656	172	222
Unskilled Factory Laborer	9991	0	0	0	0
Contract Laborer	9992	0	0	0	0
Itinerant Worker	9993	0	0	0	0
Railway Track Worker	9994	0	0	0	0
Street Sweeper	9995	0	0	0	0
Garbage Collector	9996	9	32	13	1
Road Construction Laborer	9997	0	0	0	0
Laborer	9999	0	0	0	0
NOT APPLICABLE, NO ANSWER	BK	23648	29574	39761	40767

1988 International Standard Classification Codes (based on 1980 U.S. occupational codes)	Punch Occupation Code	N's			
		Respon- dent (ISCO88)	R's Father (PAISCO88)	R's Spouse (SPISCO88)	R's Mother (MAISCO88)
<b>LEGISLATORS, SENIOR OFFICIALS AND MANAGERS</b>					
LEGISLATORS AND SENIOR OFFICIALS					
<u>Legislators</u>	1110	4	9	3	1
<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	0	0	0	0
<u>Production and Operations Department Managers</u>					
Production and operations department managers in agriculture, hunting, forestry and fishing organizations	1221	0	0	0	0
Production and operations department managers in manufacturing	1222	0	0	0	0
Production and operations department managers in construction	1223	0	0	0	0
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	0	0	0	0
Production and operations department managers in transport, storage and communications	1226	9	28	6	12
Production and operations department managers in business services	1227	0	0	0	0
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	2443	2063	1377	595
<u>Other Department Managers</u>					
Finance and administration department managers	1231	150	79	94	48
Personnel and industrial relations department managers	1232	34	19	21	15
Sales and marketing department managers	1233	197	129	113	21
Advertising and public relations department managers	1234	0	0	0	0
Supply and distribution managers	1235	0	0	0	0
Computing services department managers	1236	0	0	0	0
Research and development department managers	1237	0	0	0	0
Other department managers n.e.c.	1239	0	0	0	0
<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	27	82	11	2
General managers in manufacturing	1312	0	0	0	0
General managers in construction	1313	0	0	0	0
General managers in wholesale and retail trade	1314	713	841	406	259
General managers of restaurants and hotels	1315	0	0	0	0
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	0	0	0	0
<b>PROFESSIONALS</b>					
PHYSICAL, MATHEMATICAL AND ENGINEERING SCIENCE PROFESSIONALS					
<u>Physicists, Chemists and Related Professionals</u>					
Physicists and astronomers	2110	9	5	7	1
	2111	4	14	4	1

Meteorologists	2112	4	6	Appendix I	0
Chemists	2113	31	60	24	7
Geologists and geophysicists	2114	8	7	7	1
<u>Mathematicians, Statisticians and Related Professionals</u>					
Mathematicians and related professionals	2121	18	7	15	2
Statisticians	2122	8	3	4	0
<u>Computing Professionals</u>					
Computer systems designers and analysts					
Computer programmers	2131	265	59	135	16
Computing professionals n.e.c.	2132	145	61	74	28
	2139	0	0	0	0
<u>Architects, Engineers and Related Professionals</u>					
Architects, town and traffic planners	2141	53	47	25	8
Civil engineers	2142	68	161	46	4
Electrical engineers	2143	113	213	94	7
Electronics and telecommunications engineers	2144	0	0	0	0
Mechanical engineers	2145	106	247	77	3
Chemical engineers	2146	25	67	11	3
Mining engineers, metallurgists and related professionals	2147	7	22	6	0
Cartographers and surveyors	2148	10	17	11	1
Architects, engineers and related professionals n.e.c.	2149	255	131	109	7
LIFE SCIENCE AND HEALTH PROFESSIONALS					
<u>Life Science Professionals</u>					
Biologists, botanists, zoologists and related professionals	2211	26	2	10	9
Pharmacologists, pathologists and related professionals	2212	0	0	0	0
Agronomists and related professionals	2213	18	29	15	3
<u>Health Professionals (except nursing)</u>					
Medical doctors	2221	124	182	100	30
Dentists	2222	28	51	20	6
Veterinarians	2223	11	21	11	3
Pharmacists	2224	35	43	20	14
Health professionals (except nursing) n.e.c.	2229	0	0	0	0
<u>Nursing and Midwifery Professionals</u>					
	2230	588	17	297	705
TEACHING PROFESSIONALS					
<u>College, University and Higher Education Teaching Professionals</u>					
	2310	253	156	124	57
<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	696	129	383	624
Pre-primary education teaching professionals	2332	110	1	58	79
<u>Special Education Teaching Professionals</u>					
	2340	49	2	17	28
<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	183	41	83	66
OTHER PROFESSIONALS					
<u>Business Professionals</u>					
Accountants	2411	351	265	173	142
Personnel and careers professionals	2412	204	57	128	58
Business professionals n.e.c.	2419	72	21	25	11
<u>Legal Professionals</u>					
Lawyers	2421	258	171	144	42
Judges	2422	5	10	2	5
Legal professional n.e.c.	2429	0	0	0	0
<u>Archivists, Librarians and Related Information Professionals</u>					
Archivists and curators	2431	11	2	4	2
Librarians and related information professionals	2432	73	2	40	60
<u>Social Science and Related Professionals</u>					
Economists	2441	62	19	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	0	0	Appendix I	0
Psychologists	2445	66	17	24	9
Social work professionals	2446	276	43	107	100
<u>Writers and Creative or Performing Artists</u>					
Authors, journalists and other writers	2451	141	32	46	38
Sculptors, painters and related artists	2452	83	22	33	28
Composers, musicians and singers	2453	0	0	0	0
Choreographers and dancers	2454	0	0	0	0
Film, stage and related actors and directors	2455	47	7	19	4
<u>Religious Professionals</u>	2460	81	197	56	2
<b>TECHNICIANS AND ASSOCIATE PROFESSIONALS</b>					
PHYSICAL AND ENGINEERING SCIENCE ASSOCIATE PROFESSIONALS					
	3100	121	48	44	14
<u>Physical and Engineering Science Technicians</u>					
Chemical and physical science technicians	3111	68	33	36	7
Civil engineering technicians	3112	0	0	0	0
Electrical engineering technicians	3113	144	51	77	9
Electronics and telecommunications engineering	3114	0	0	0	0
Mechanical engineering technicians	3115	4	1	0	0
Chemical engineering technicians	3116	0	0	0	0
Mining and metallurgical technicians	3117	0	0	0	0
Draughtspersons	3118	69	71	23	6
Physical and engineering science technicians n.e.c.	3119	55	30	25	3
<u>Computer Associate Professionals</u>					
Computer assistants	3121	0	0	0	0
Computer equipment operators	3122	70	13	38	14
Industrial robot controllers	3123	2	1	1	0
<u>Optical and Electronic Equipment Operators</u>					
Photographers and image and sound recording equipment operators	3131	36	24	21	4
Broadcasting and telecommunications equipment operators	3132	29	28	11	8
Medical equipment operators	3133	37	10	21	11
Optical and electronic equipment operators n.e.c.	3139	0	0	0	0
<u>Ship and Aircraft Controllers and Technicians</u>					
Ships' engineers	3140	0	0	0	0
Ships' deck officers and pilots	3141	0	0	0	0
Ships' deck officers and pilots	3142	1	2	3	0
Aircraft pilots and related associate professionals	3143	37	65	24	0
Air traffic controllers	3144	12	12	3	1
Air traffic safety technicians	3145	0	0	0	0
<u>Safety and Quality Inspectors</u>					
Building and fire inspectors	3151	14	18	8	0
Safety, health and quality inspectors	3152	2	0	1	0
LIFE SCIENCE AND HEALTH ASSOCIATE PROFESSIONALS					
<u>Life Science Technicians and Related Associate Professionals</u>					
Life science technicians	3211	235	22	97	62
Agronomy and forestry technicians	3212	0	0	0	0
Farming and forestry advisers	3213	0	0	0	0
<u>Modern Health Associate Professionals (except nursing)</u>					
Medical assistants	3221	203	12	67	57
Sanitarians	3222	0	0	0	0
Dieticians and nutritionists	3223	26	2	15	35
Optometrists and opticians	3224	7	10	8	2
Dental assistants	3225	71	0	48	55
Physiotherapists and related associate professionals	3226	96	10	54	27
Veterinary assistants	3227	0	0	0	0
Pharmaceutical assistants	3228	0	0	0	0
Modern health associates (except nursing) n.e.c.	3229	44	10	21	11

<u>Nursing and Midwifery Associate Professionals</u>					
Nursing associate professionals	3231	150	6	69	147
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	0	0	0	0
OTHER ASSOCIATE PROFESSIONALS					
<u>Finance and Sales Associate Professionals</u>					
Securities and finance dealers and brokers	3410	186	51	88	53
Insurance representatives	3411	86	31	43	5
Estate agents	3412	166	217	87	47
Travel consultants and organizers	3413	218	98	106	104
Technical and commercial sales representatives	3414	0	0	0	0
Buyers	3415	293	368	168	37
Appraisers, valuers and auctioneers	3416	110	93	55	23
Finance and sales associate professionals n.e.c.	3417	288	32	103	65
	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	0	0	0
Employment agents and labor contractors	3423	0	0	0	0
Business services agents and trade brokers n.e.c.	3429	129	49	75	19
<u>Administrative Associate Professionals</u>					
Administrative secretaries and related associate professionals	3431	0	0	0	0
Legal and related business associate professionals	3432	0	0	0	0
Bookkeepers	3433	0	0	0	0
Statistical, mathematical and related associate professionals	3434	0	0	0	0
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	0	0	0	0
Government social benefits officials	3443	11	0	9	3
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	0	0	0	0
<u>Social Work Associate Professionals</u>					
	3460	85	3	21	36
<u>Artistic, Entertainment and Sports Associate Professionals</u>					
Decorators and commercial designers	3470	25	12	11	5
Radio, television and other announcers	3471	159	47	51	56
Street, night-club and related musicians, singers and dancers	3472	10	3	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	32	4	7	0
<u>Religious Associate Professionals</u>					
	3480	21	5	10	9
CLERKS					
	4100	417	58	163	225
OFFICE CLERKS					

<u>Secretaries and Keyboard-Operating Clerks</u>					
Stenographers and typists	4111	91	5	45	48
Word-processor and related operators	4112	0	0	0	0
Data entry operators	4113	121	6	40	43
Calculating-machine operators	4114	35	0	15	4
Secretaries	4115	969	14	490	1084
<u>Numerical Clerks</u>					
Accounting and bookkeeping clerks	4121	574	77	295	415
Statistical and finance clerks	4122	15	1	5	5
<u>Material-Recording and Transport Clerks</u>					
Store clerks	4131	305	114	133	62
Production clerks	4132	148	21	57	37
Transport clerks	4133	179	103	89	38
<u>Library, Mail and Related Clerks</u>					
Library and filing clerks	4141	75	5	24	27
Mail carriers and sorting clerks	4142	168	227	80	75
Coding, proof-reading and related clerks	4143	6	1	1	10
Scribes and related workers	4144	0	0	0	0
<u>Other Office Clerks</u>	4190	292	29	140	90
CUSTOMER SERVICES CLERKS					
<u>Cashiers, Tellers and Related Clerks</u>					
Cashiers and ticket clerks	4211	648	17	192	349
Tellers and other counter clerks	4212	155	20	72	111
Bookmakers and croupiers	4213	0	0	0	0
Pawnbrokers and money-lenders	4214	0	0	0	0
Debt-collectors and related workers	4215	33	5	16	11
<u>Client Information Clerks</u>					
Travel agency and related clerks	4221	34	12	22	15
Receptionists and information clerks	4222	275	6	137	103
Telephone switchboard operators	4223	96	11	34	107
SERVICE WORKERS AND SHOP MARKET SALES WORKERS					
PERSONAL AND PROTECTIVE SERVICES WORKERS					
<u>Travel Attendants and Related Workers</u>					
Travel attendants and travel stewards	5111	0	0	0	0
Transport conductors	5112	15	86	8	0
Travel guides	5113	6	0	7	0
<u>Housekeeping and Restaurant Services Workers</u>					
Housekeepers and related workers	5121	244	74	119	124
Cooks	5122	405	101	141	444
Waiters, waitresses and bartenders	5123	698	62	175	529
<u>Personal Care and Related Workers</u>					
Child-care workers	5131	396	3	164	238
Institution-based personal care workers	5132	626	16	184	461
Home-based personal care workers	5133	0	0	0	0
Personal care and related workers n.e.c.	5139	0	0	0	0
<u>Other Personal Services Workers</u>					
Hairdressers, barbers, beauticians and related workers	5141	273	87	116	210
Companions and valets	5142	0	0	0	0
Undertakers and embalmers	5143	13	23	5	5
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

<u>Protective Services Workers</u>					
Fire-fighters	5161	71	125	37	1
Police officers	5162	199	244	106	24
Prison guards	5163	56	31	42	3
Protective services workers n.e.c.	5169	154	111	69	36
MODELS, SALESPERSONS AND DEMONSTRATORS					
	5200	12	4	8	0
<u>Fashion and Other Models</u>					
	5210	18	0	5	5
<u>Shop Salespersons and Demonstrators</u>					
	5220	920	434	406	622
<u>Stall and Market Salespersons</u>					
	5230	0	0	0	0
<b>SKILLED AGRICULTURAL AND FISHERY WORKERS</b>					
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	16	21	5	0
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	0	0	0	0
<u>Market-Oriented Crop and Animal Producers</u>					
Farmers	6130	0	0	0	0
	6132	28	43	12	3
Farm supervisors	6133	223	2845	144	91
<u>Forestry and Related Workers</u>					
Forestry workers and loggers	6141	21	119	15	2
Charcoal Burners and related workers	6142	0	0	0	0
<u>Fishery Workers, Hunters and Trappers</u>					
Aquatic-life cultivation workers	6150	19	60	4	1
Inland and coastal waters fishery workers	6151	0	0	1	0
Deep-sea fishery workers	6152	0	0	0	0
Hunters and trappers	6153	0	0	0	0
	6154	0	2	1	0
SUBSISTENCE AGRICULTURAL AND FISHERY WORKERS					
<u>Subsistence Agricultural and Fishery Workers</u>					
	6210	0	0	0	0
<b>CRAFT AND RELATED TRADES WORKERS</b>					
EXTRACTION AND BUILDING TRADES WORKERS					
	7110	10	33	2	0
<u>Miners, Shotfirers, Stone Cutters and Carvers</u>					
Miners and quarry workers	7111	9	49	3	0
Shotfirers and blasters	7112	2	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	50	139	28	1
Concrete placers, concrete finishers and related workers	7123	19	26	12	0
Carpenters and joiners	7124	5	5	7	0
Building frame and related trades workers n.e.c.	7129	68	95	25	0
<u>Building Finishers and Related Trades Workers</u>					
Roofers	7131	48	37	23	1
Floor layers and tile setters	7132	352	638	168	1
Plasterers	7133	6	24	4	0
Insulation workers	7134	11	7	8	0
Glaziers	7135	5	10	6	0
Plumbers and pipe fitters	7136	143	239	87	0
Building and related electricians	7137	167	316	121	5

<u>Painters, Building Structure Cleaners and Related Trades Workers</u>					
Painters and related workers	7141	116	192	59	9
Varnishers and related painters	7142	38	35	16	5
Building structure cleaners	7143	13	14	9	0
METAL, MACHINERY AND RELATED TRADES WORKERS					
<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	157	247	78	23
Sheet-metal workers	7213	101	164	47	1
Structural-metal preparers and erectors	7214	23	56	16	0
Riggers and cable splicers	7215	0	0	0	0
Underwater workers	7216	0	0	0	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	152	464	100	7
Machine-tool setters and setter-operators	7223	13	7	4	0
Metal wheel-grinders, polishers and tool sharpeners	7224	2	6	6	0
<u>Machinery Mechanics and Fitters</u>					
Mother vehicle mechanics and fitters	7230	151	210	98	4
Aircraft engine mechanics and fitters	7231	279	529	164	5
Agricultural- or industrial-machinery mechanics and fitters	7232	48	54	32	1
Misc. garage helpers	7233	150	351	94	6
	7234	32	30	9	3
<u>Electrical and Electronic Equipment Mechanics And Fitters</u>					
Electrical mechanics and fitters	7240	13	19	8	0
Electronics fitters	7241	113	102	49	0
Electronics mechanics and servicers	7242	80	70	39	1
Telegraph and telephone installers and servicers	7243	0	0	0	0
Electrical line installers, repairs and cable jointers	7244	30	56	24	4
	7245	54	88	28	0
PRECISION, HANDICRAFT, PRINTING AND RELATED TRADES WORKERS					
<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	18	25	9	8
Jewellery and precious-metal workers	7312	0	0	0	0
	7313	13	10	9	3
<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	0	0	0	0
<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	14	23	7	7
Stereotypers and electrotypers	7342	1	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	49	128	27	19
Bakers, pastry-cooks and confectionery makers	7412	46	53	23	29
Dairy-products makers	7413	0	0	0	0
Fruit, vegetable and related preservers	7414	0	0	0	0
Food and beverage tasters and graders	7415	7	1	0	3
Tobacco preparers and tobacco product makers	7416	0	0	0	0



<u>Wood Treaters, Cabinet-Makers and Related Trades Workers</u>	7420	2	3	Appendix I	0
Wood treaters	7421	0	0	0	0
Cabinet-makers and related workers	7422	37	44	25	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	58	45	28	211
Furriers and related workers	7434	0	0	0	0
Textile, leather and related pattern-makers and cutters	7435	0	0	0	0
Sewers, embroiderers and related workers	7436	7	5	5	14
Upholsterers and related workers	7437	26	20	9	5
<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	36	1	5
<u>Supervisors, crafts and trades</u>	7510	404	807	302	62
<u>Misc. crafts and trades</u>	7520	31	26	16	17
<b>PLANT AND MACHINE OPERATORS AND ASSEMBLERS</b>					
STATIONARY-PLANT AND RELATED OPERATORS					
<u>Mining- and Mineral-Processing Plant Operators</u>					
Mining-plant operators	8111	14	211	5	2
Mineral-ore- and stone-processing-plant operators	8112	0	0	0	0
Well drillers and borers and related workers	8113	9	36	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	37	51	22	11
Metal-heat-treating-plant operators	8123	4	4	2	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	47	87	16	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	26	47	19	8
Chemical-heat-treating-plant operators	8152	0	0	0	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	0	0	0	0
Chemical-processing-plant operators n.e.c.	8159	0	0	0	0
<u>Power-Production and Related Plant Operators</u>	8160	37	89	25	2
Power-production plant operators	8161	6	7	5	0
Steam-engine and boiler operators	8162	0	0	0	0
Incinerator, water-treatment and related plant operators	8163	13	10	10	0
<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					
<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	0	0	0
<u>Chemical-Products Machine Operators</u>					
Pharmaceutical- and toiletry products machine operators	8221	0	0	0	0
Ammunition- and explosive-products machine operators	8222	0	0	0	0
Metal finishing-, plating- and coating- machine operators	8223	36	34	28	5
Photographic-products machine operators	8224	0	0	0	0
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	0	0
Plastic-products machine operators	8232	0	0	0	0
<u>Wood-Products Machine Operators</u>					
	8240	3	0	1	2
<u>Printing-, Binding- and Paper-Products Machine Operators</u>					
Printing-machine operators	8251	122	85	45	27
Bookbinding-machine operators	8252	0	0	0	0
Paper-products operators	8253	0	0	0	0
<u>Textile-, Fur- and Leather-Products Machine Operators</u>					
Fibre-preparing-, spinning- and winding-machine operators	8261	32	15	10	42
Weaving- and knitting-machine operators	8262	19	21	6	40
Sewing-machine operators	8263	210	23	83	410
Bleaching-, dyeing- and cleaning-machine operators	8264	109	46	27	156
Fur- and leather-preparing-machine operators	8265	0	0	0	0
Shoemaking- and related machine operators	8266	17	10	6	37
Textile-, fur- and leather-products machine operators n.e.c.	8269	40	45	15	52
<u>Food and Related Products Machine Operators</u>					
Meat- and fish processing-machine operators	8270	14	10	4	13
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	2	2	1	1
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	43	12	19	55
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	958	941	462	785
DRIVERS AND MOBILE-PLANT OPERATORS					
<u>Locomotive-Engine Drivers and Related Workers</u>					
Locomotive-engine drivers	8310	0	6	1	0
Railway brakemen, signalers and shunters	8311	17	72	9	0
	8312	22	58	12	11
<u>Motor-vehicle Drivers</u>					
Motorcycle drivers	8321	0	0	0	0
Car, taxi and van drivers	8322	207	285	133	20
Bus and tram drivers	8323	128	80	63	75
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	32	49	24	1
Lifting-truck operators	8333	27	74	19	1
	8334	102	86	62	4
<u>Ships' Deck Crews and Related Workers</u>					
	8340	5	35	8	0
FABRICATING MACHINE OPERATORS, NOT ELSEWHERE CLASSIFIED					
	8400	7	4	7	12
<b>ELEMENTARY OCCUPATIONS</b>					
SALES AND SERVICES ELEMENTARY OCCUPATIONS					
<u>Street Vendors and Related Workers</u>					
Street food vendors	9110	98	30	34	58
Street vendors, non-food products	9111	0	0	0	0
Door-to-door and telephone salespersons	9112	16	9	7	8
	9113	0	0	0	0
<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	198	13	66	207
Helpers and cleaners in offices, hotels and other establishments	9132	320	17	86	539
Hand-launderers and pressers	9133	0	0	0	0
<u>Building Caretakers, Window and Related Cleaners</u>					
Building caretakers	9140	532	322	221	211
Vehicle, window and related cleaners	9141	57	31	25	15
	9142	42	29	20	7
<u>Messengers, Porters, Doorkeepers and Related Workers</u>					
Messengers, package and luggage porters and deliverers	9151	42	20	20	5
Doorkeepers, watchpersons and related workers	9152	92	26	40	21
Vending-machine money collectors, meter readers and related workers	9153	11	19	7	0
<u>Garbage Collectors and Related Laborers</u>					
Garbage collectors	9161	9	32	13	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	315	590	128	160
Forestry laborers	9212	0	0	0	0
Fishery, hunting and trapping laborers	9213	0	0	0	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	0	0	0
Construction and maintenance laborers: roads, dams and similar constructions	9312	0	0	0	0
Building construction laborers	9313	340	543	159	9
<u>Manufacturing Laborers</u>					
Assembling laborers	9320	8	4	6	1
	9321	48	43	25	20
Hand packers and other manufacturing laborers	9322	131	31	46	97
<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	240	156	102	51
ARMED FORCES					
ARMED FORCES					
<u>Armed Forces</u>	0110	147	378	113	15
Not applicable	BK	23648	29574	39757	40767