

List of harmonized NOC occupational titles, Canadian censuses of population, 1991-2016

Source:

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We harmonized the 3-/4-digit NOC 2011 in the 2011 NHS and the NOC 2016 in the 2016 Census data to the 3-digit SOC 1991 (available in the 1991-2006 Census data) using the NOC-S 2006 (available in the 2006 Census data). We were able to achieve perfect a one-to-one or many-to-one match of 65 percent of the 3-digit NOC 2011/2016 titles (88 out of 136). An example of the one-to-one match is 001 Legislators and senior management in the NOC 2011/2016; this is equivalent to A01 Legislators and Senior Management in the SOC 1991. An example of the many-to-one match is 031 Managers in health care and 042 Managers in education and social and community services; these two 3-digit NOC 2011/2016 titles are equivalent to A32 Managers in Health, Education, Social and Community Services in the SOC 1991.

Moreover, we were able to harmonize 11 other 3-digit titles (8 percent) by extracting some 4-digit titles and making them standalone categories. For instance, we removed a 4-digit title 9217 Supervisors, textile, fabric, fur and leather products processing and manufacturing from 921 Supervisors, processing and manufacturing occupations, which is virtually equivalent to J01 Supervisors, Processing Occupations in the SOC 1991 except that only “Supervisors, textile processing” in 9217 Supervisors, textile, fabric, fur and leather products processing and manufacturing is part of J01 in the SOC 1991. Similarly, we pulled 9127 from J02 Supervisors, Assembly and Fabrication, which is almost equivalent to 922 Supervisors, assembly and fabrication, except that part of 9217 “Supervisors, fabric, fur and leather products manufacturing” (3-digit title 921) belongs to J02. At the 4-digit level, 9217 is equivalent to J016

Supervisors, textile processing, and Supervisors, fabric, fur and leather products manufacturing and J025 Supervisors, fabric, fur and leather products manufacturing in the SOC 1991.

Finally, we were unable to perfectly harmonize 37 3-digit SOC 1991 titles (27 percent) with the NOC 2011/2016, as some elements (jobs) in 4-digit NOC 2011/2016 belong to multiple 3-digit SOC 1991 titles.

	value label	2006 code label	Title (based on the 1991 Standard Occupational Classification titles)	Notes
1	100	A01	Legislators and Senior Management	
2	101	A11	Administrative Services Managers	
3	102	A12	Managers in Engineering, Architecture, Science and Information Systems	
4	103	A13	Sales, Marketing and Advertising Managers	
5	104	A14	Facility Operation and Maintenance Managers	
6	105	A21	Managers in Retail Trade	
7	106	A22	Managers in Food Service and Accommodation	
8	107	A30	Managers in Financial and Business Services	
9	108	A31	Managers in Communication (Except Broadcasting)	
10	109	A32	Managers in Health, Education, Social and Community Services	
11	110	A33	Managers in Public Administration	
12	111	A34	Managers in Art, Culture, Recreation and Sport	
13	112	A35	Managers in Protective Service	
14	113	A36	Managers in Other Services	
15	114	A37	Managers in Construction and Transportation	
16	115	A38	Managers in Primary Production (Except Agriculture)	
17	116	A39	Managers in Manufacturing and Utilities	

18	117	B01	Auditors, Accountants and Investment Professionals	
19	118	B02	Human Resources and Business Service Professionals	
20	119	B11	Finance and Insurance Administrative Occupations	
21	120	B21	Secretaries, Recorders and Transcriptionists	
22	121	B31	Administrative and Regulatory Occupations	
23	122	B41	Clerical Supervisors	
24	123	B51	Clerical Occupations, General Office Skills	
25	124	B52	Office Equipment Operators	
26	125	B53	Finance and Insurance Clerks	
27	126	B54	Administrative Support Clerks	
28	127	B55	Library, Correspondence and Related Information Clerks	
29	128	B56	Mail and Message Distribution Occupations	
30	129	B57	Recording, Scheduling and Distributing Occupations	
31	130	C01	Physical Science Professionals	
32	131	C02	Life Science Professionals	
33	132	C03	Civil, Mechanical, Electrical and Chemical Engineers	
34	133	C04	Other Engineers	
35	134	C05	Architects, Urban Planners and Land Surveyors	
36	135	C06	Mathematicians, Statisticians and Actuaries	This category was labelled as "Mathematicians, Systems Analysts and Computer Programmers" in the SOC 1991.
37	136	C07	Computer and Information Systems Professionals	This title did not exist in the 1991 SOC and was introduced in the NOC-S 2001. B521 (Computer Operators), C047 (Computer Engineers), C062 (Computer Systems Analysts) and C063 (Computer Programmers) in the SOC 1991 are classified into this group.
38	137	C11	Technical Occupations in Physical Sciences	
39	138	C12	Technical Occupations in Life Sciences	
40	139	C13	Technical Occupations in Civil, Mechanical and Industrial Engineering	
41	140	C14	Technical Occupations in Electronics and Electrical Engineering	
42	141	C15	Technical Occupations in Architecture, Drafting, Surveying and Mapping	
43	142	C16	Other Technical Inspectors and Regulatory Officers	
44	143	C17	Transportation Officers and Controllers	

45	144	D01	Physicians, Dentists and Veterinarians	
46	145	D02	Optometrists, Chiropractors and Other Health Diagnosing and Treating Professionals	
47	146	D03	Pharmacists, Dietitians and Nutritionists	
48	147	D04	Therapy and Assessment Professionals	
49	148	D11	Nurse Supervisors and Registered Nurses	
50	149	D21	Medical Technologists and Technicians (Except Dental Health)	
51	150	D22	Technical Occupations in Dental Health Care	
52	151	D23	Other Technical Occupations in Health Care (Except Dental)	
53	152	D31	Assisting Occupations in Support of Health Services	
54	153	E01	Judges, Lawyers and Quebec Notaries	
55	154	E02	Psychologists, Social Workers, Counsellors, Clergy and Probation Officers	
56	155	E03	Policy and Program Officers, Researchers and Consultants	
57	156	E11	University Professors and Assistants	
58	157	E12	College and Other Vocational Instructors	
59	158	E13	Secondary and Elementary School Teachers and Educational Counsellors	
60	159	E21	Paralegals, Social Services Workers and Occupations in Education and Religion, nec	
61	160	F01	Librarians, Archivists, Conservators and Curators	
62	161	F02	Writing, Translating and Public Relations Professionals	
63	162	F03	Creative and Performing Artists	
64	163	F11	Technical Occupations in Libraries, Archives, Museums and Art Galleries	
65	164	F12	Photographers, Graphic Arts Technicians and Technical and Co-ordinating Occupations in Motion Pictures, Broadcasting and the Performing Arts	This category was labeled as "Photographers, Graphic Arts Technicians and Technical Occupations in Motion Pictures, Broadcasting and the Performing Arts" in the SOC 1991.
66	165	F13	Announcers and Other Performers	
67	166	F14	Creative Designers and Craftspersons	
68	167	F15	Athletes, Coaches, Referees and Related Occupations	

69	168	G01	Sales and Service Supervisors	
70	169	G11	Sales Representatives, Wholesale Trade	
71	170	G12	Technical Sales Specialists, Wholesale Trade	
72	171	G13	Insurance and Real Estate Sales Occupations and Buyers	
73	172	G31	Cashiers	
74	173	G41	Chefs and Cooks	
75	174	G51	Occupations in Food and Beverage Service	
76	175	G61	Police Officers and Firefighters	
77	176	G62	Other Occupations in Protective Service	
78	177	G71	Occupations in Travel and Accommodation	
79	178	G72	Tour and Recreational Guides and Casino Occupations	
80	179	G73	Other Occupations in Travel, Accommodation, Amusement and Recreation	This category was labeled as "Other attendants in Travel, Accommodation and Recreation" in the SOC 1991.
81	180	G81	Childcare and Home Support Workers	
82	181	G91	Technical Occupations in Personal Service	
83	182	G92	Other Occupations in Personal Service	
84	183	G93	Cleaners	
85	184	G94	Butchers and Bakers	
86	185	G96	Food Counter Attendants, Kitchen Helpers and Related Occupations	
87	186	G97	Other Sales and Related Occupations	
88	187	G98	Other Elemental Service Occupations	
89	188	H01	Contractors and Supervisors, Trades and Related Workers	
90	189	H02	Supervisors, Railway and Motor Transportation Occupations	
91	190	H11	Plumbers, Pipefitters and Gas Fitters	
92	191	H12	Carpenters and Cabinetmakers	
93	192	H13	Masonry and Plastering Trades	
94	193	H14	Other Construction Trades	
95	194	H21	Electrical Trades and Telecommunication Occupations	
96	195	H22	Stationary Engineers and Power Station and System Operators	
97	196	H31	Machinists and Related Occupations	
98	197	H32	Metal Forming, Shaping and Erecting Trades	
99	198	H41	Machinery and Transportation Equipment Mechanics (Except Motor Vehicle)	
100	199	H42	Automotive Service Technicians	This category was labelled as "Motor Vehicle Body Mechanics" in the SOC 1991.

101	200	H43	Other Mechanics	
102	201	H51	Upholsterers, Tailors, Shoe Repairers, Jewellers and Related Occupations	
103	202	H52	Printing Press Operators, Commercial Divers and Other Trades and Related Occupations, nec	
104	203	H53	Other Installers, Repairers and Servicers	
105	204	H61	Heavy Equipment Operators	
106	205	H62	Crane Operators, Drillers and Blasters	
107	206	H71	Motor Vehicle and Transit Drivers	
108	207	H72	Train Crew Operating Occupations	
109	208	H73	Other Transport Equipment Operators and Related Workers	
110	209	H81	Longshore Workers and Material Handlers	
111	210	H82	Trades Helpers and Labourers	
112	211	H83	Public Works and Other Labourers, nec	
113	212	I01	Contractors, Operators and Supervisors in Agriculture, Horticulture and Aquaculture	
114	213	I02	Agriculture and Horticulture Workers	
115	214	I11	Supervisors, Logging and Forestry	
116	215	I12	Supervisors, Mining, Oil and Gas	
117	216	I13	Underground Miners, Oil and Gas Drillers and Related Workers	
118	217	I14	Mine Service Workers and Operators in Oil and Gas Drilling	
119	218	I15	Logging Machinery Operators	
120	219	I16	Logging and Forestry Workers	
121	220	I17	Fishing Vessel Masters and Skippers and Fishermen / women	
122	221	I18	Other Fishing and Trapping Occupations	
123	222	I21	Primary Production Labourers	
124	223	J01	Supervisors, Processing Occupations	
125	224	J02	Supervisors, Assembly and Fabrication	
126	225	J11	Central Control and Process Operators in Manufacturing and Processing	
127	226	J12	Machine Operators and Related Workers in Metal and Mineral Products Processing	
128	227	J13	Machine Operators and Related Workers in Chemical, Plastic and Rubber Processing	
129	228	J14	Machine Operators and Related Workers in Pulp and Paper Production and Wood Processing	
130	229	J15	Machine Operators and Related Workers in Textile Processing	

131	230	J16	Machine Operators and Related Workers in Fabric, Fur and Leather Products Manufacturing	
132	231	J17	Machine Operators and Related Workers in Food, Beverage and Tobacco Processing	
133	232	J18	Printing Machine Operators and Related Occupations	
134	233	J19	Machining, Metalworking, Woodworking and Related Machine Operators	
135	234	J21	Mechanical, Electrical and Electronics Assemblers	
136	235	J22	Other Assembly and Related Occupations	
137	236	J31	Labourers in Processing, Manufacturing and Utilities	
138	1001	B514/ B524	B514 Receptionists and switchboard operators/ B524 Telephone operators	Equivalent to 1414 Receptionists in the NOC 2011.
139	1002	D112/ D232	D112 Registered Nurses/ D232 Midwives and Practitioners of Natural Healing	Equivalent to 3012 Registered nurses and registered psychiatric nurses/ 3124 Allied primary health practitioners/ 3232 Practitioners of natural healing in the NOC 2011
140	1003	G211	G211 - Retail Salespersons and Sales Clerks	Equivalent to 5242 Interior designers and interior decorators/ 6421 Retail salespersons in the NOC 2011
141	1004	G631/ G625	G631 - Security Guards and Related Occupations/ G625 Other protective service occupations	Equivalent to 6541 Security guards and related security service occupations in the NOC 2011.
142	1005	J016/ J025	J016 Supervisors, textile processing, and Supervisors, fabric, fur and leather products manufacturing/ J025 Supervisors, fabric, fur and leather products manufacturing	Equivalent to 9217 Supervisors, textile, fabric, fur and leather products processing and manufacturing in the NOC 2011.
143	1006	J151/J153/J163	J151 Textile fibre and yarn preparation machine operators, Textile dyeing and finishing machine operators/ J153 Textile dyeing and finishing machine operators/ J163 Hide and pelt processing workers	Equivalent to 9441 Textile fibre and yarn, hide and pelt processing machine operators and workers in the NOC 2011.
144	1007	J154/ J164	J154 Textile inspectors, graders and samplers, and Inspectors and testers, fabric, fur and leather products manufacturing/ J164 Inspectors and testers, fabric, fur and leather products manufacturing	Equivalent to 9447 Inspectors and graders, textile, fabric, fur and leather products manufacturing in the NOC 2011.
145	1008	J197/ J228	J197 Other products machine operators/ J228 Other assemblers and inspectors	Equivalent to 9537 Other products assemblers, finishers and inspectors in the NOC 2011.

146	1010	B211/ B411/ B412/ B413/ B510/ B554	B211 Secretaries (except legal and medical)/ B411 Supervisors, general office and administrative support clerks/ B412 Supervisors, finance and insurance clerks/ B413 Supervisors, library, correspondence and related information clerks/ B510 General office clerks(including B511 General office clerks & B512 Typists and word processing in 1991 & 1996)/ B554 Survey interviewers and statistical clerks	Equivalent to 1211 Supervisors, general office and administrative support workers, 1212 Supervisors, finance and insurance office workers, 1213 Supervisors, library, correspondence and related information workers, 1241 Administrative assistants, 1251 Health information management occupations, 1411 General office support workers, 1454 Survey interviewers and statistical clerks, and 6314 Customer and information services supervisors in the NOC 2011.
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Notes:

-We dropped G63 from this list. We combined 4-digit title G631 - Security Guards and Related Occupations with G625 Other protective service occupations, and security guards and related occupations and treated it as a separate category.

-We dropped G21 (Retail Salespersons and Sales Clerks) from this list. We combined interior decorators and retail salespersons within this title together and as 5242 Interior designers and interior decorators/6421 Retail salespersons. Interior designers within this title belong to F14 Creative Designers and Craftspersons.

-C18 Technical Occupations in Computer and Information Systems did not exist in the SOC 1991. We merged this category in the NOC 2011 and 2016 with 2174 (Computer programmers and interactive media developers), which we harmonized into C16 Mathematicians, Statisticians and Actuaries.

-We dropped G95 Elemental Medical and Hospital Assistants in the SOC 1991.