

Supplementary Tables S1. Odds Ratios (OR) and 95% CIs for Occupation Categories

Occupation	Number (Cases/Controls)	OR
0-Response Outside Scope	92/210	0.86[0.63-1.19]
00001-student	30/61	0.97[0.59-1.60]
00002-housewife/husband	42/107	0.89[0.57-1.40]
00003-unemployed	14/27	0.93[0.47-1.85]
00004-retired	14/35	0.89[0.46-1.73]
00006-overseas / travelling	13/28	0.80[0.40-1.61]
00008-held various odd jobs, that can not be coded individually	6/8	1.31[0.44-3.89]
00009-Volunteer	1/9	0.25[0.03-2.04]
1-Legislators, Administrators and Managers	84/169	0.83[0.60-1.14]
11-Legislators and Administrators	5/17	0.52[0.18-1.45]
113-Senior Business Administrators	5/9	0.89[0.28-2.77]
1131-Senior Business Administrators	5/9	0.89[0.28-2.77]
11311-Chief Executive and/or Managing Director	5/9	0.89[0.28-2.77]
12-Corporate Managers	82/158	0.89[0.64-1.23]
121-General Managers	8/19	0.64[0.27-1.52]
1211-General Managers	8/19	0.64[0.27-1.52]
12111-General Manager	8/19	0.64[0.27-1.52]
122-Specialised Managers	79/148	0.94[0.68-1.31]
1221-Production and Operation Managers	23/39	1.04[0.59-1.83]
12211-Senior Education Manager	6/16	0.90[0.34-2.43]
12213-Production Manager (Manufacturing)	6/15	0.61[0.22-1.65]
1222-Finance and Administration Managers	17/35	0.87[0.47-1.60]
12222-Administration Manager	7/18	0.82[0.33-2.04]
12224-Finance Manager	7/15	0.79[0.31-1.99]
1224-Sales and Marketing Managers	12/14	1.35[0.60-3.05]
12241-Sales and/or Marketing Manager	12/14	1.35[0.60-3.05]
1226-Supply and Distribution Managers	32/61	0.99[0.62-1.58]
12263-Retail Manager	10/28	0.72[0.34-1.53]
12264-Hotel or Motel Manager	11/16	1.22[0.54-2.75]
12266-Other Lodging Services Manager	4/8	1.04[0.30-3.60]
12267-Other Catering Services Manager	2/9	0.45[0.09-2.17]
1229-Other Specialised Managers	6/19	0.66[0.26-1.70]
12291-Office Manager	6/19	0.66[0.26-1.70]
2-Professionals	109/254	0.75[0.54-1.05]
21-Physical, Mathematical and Engineering Science Professionals	30/47	1.11[0.66-1.85]
211-Physicists, Chemists and Related Professionals	3/7	0.81[0.20-3.27]
213-Computing Professionals	8/14	0.90[0.36-2.22]
2131-Computing Professionals	8/14	0.90[0.36-2.22]
21311-Systems Analyst	4/7	0.87[0.25-3.10]
21313-Systems Manager	2/8	0.36[0.07-1.77]
214-Architects, Engineers and Related Professionals	21/29	1.31[0.71-2.43]
2142-Civil Engineers	8/10	1.21[0.45-3.21]
2145-Mechanical Engineers	4/11	0.65[0.20-2.15]
21455-Other Mechanical Engineer	3/8	0.64[0.16-2.52]
22-Life Science and Health Professionals	25/74	0.70[0.42-1.15]
221-Life Science Professionals	8/17	0.94[0.38-2.31]
2211-Biologists, Botanists, Zoologists and Related Professionals	1/10	0.21[0.03-1.74]
2213-Agricultural and Natural Resource Scientists	5/8	1.21[0.37-3.91]
222-Health Professionals (Except Nursing)	5/13	0.84[0.28-2.52]
223-Nursing and Midwifery Professionals	13/47	0.58[0.30-1.14]
2231-Nursing and Midwifery Professionals	13/47	0.58[0.30-1.14]
22312-Registered Nurse	12/43	0.59[0.29-1.18]
23-Teaching Professionals	34/98	0.76[0.48-1.20]
231-Tertiary Teaching Professionals	9/24	0.77[0.34-1.73]
2311-Tertiary Teaching Professionals	9/24	0.77[0.34-1.73]
23111-University and Higher Education Lecturer and/or Tutor	9/24	0.77[0.34-1.73]
232-Secondary Teaching Professionals	9/41	0.50[0.23-1.07]
2321-Secondary Teaching Professionals	9/41	0.50[0.23-1.07]
23211-Secondary School Teacher	9/41	0.50[0.23-1.07]
233-Primary and Early Childhood Teaching Professionals	20/49	1.00[0.56-1.78]

2331-Primary Teaching Professionals	15/43	0.84[0.44-1.60]
23311-Primary School Teacher	15/43	0.84[0.44-1.60]
2332-Early Childhood Teaching Professionals	5/8	1.47[0.46-4.72]
23321-Early Childhood Teacher	5/7	1.66[0.50-5.51]
234-Special Education Teaching Professionals	2/12	0.42[0.09-1.96]
2341-Special Education Teaching Professionals	2/12	0.42[0.09-1.96]
23411-Special Education Teacher	2/9	0.52[0.11-2.51]
24-Other Professionals	33/74	0.84[0.53-1.32]
241-Business Professionals	17/46	0.63[0.35-1.12]
2411-Accountants	8/30	0.46[0.20-1.02]
24111-Accountant	7/26	0.47[0.20-1.12]
2412-Human Resources Professionals	6/4	3.07[0.84-11.26]
2413-Other Business Professionals	5/14	0.55[0.19-1.58]
242-Legal Professionals	3/7	0.83[0.20-3.38]
243-Archivists, Librarians and Related Information Professionals	6/12	1.23[0.44-3.42]
2432-Librarians and Related Information Professionals	6/11	1.31[0.47-3.70]
24321-Librarian	6/11	1.31[0.47-3.70]
244-Social and Related Science Professionals	6/9	1.42[0.48-4.16]
3-Technicians and Associate Professionals	103/197	0.97[0.72-1.32]
31-Physical Science and Engineering Associate Professionals	42/65	1.20[0.78-1.85]
311-Physical Science and Engineering Technicians	28/35	1.69[0.98-2.91]
3111-Physical Science Technicians	3/7	1.21[0.30-4.91]
31111-Physical Science Technician	3/7	1.21[0.30-4.91]
3114-Electronic Engineering Technicians	10/9	2.09[0.81-5.38]
31141-Telecommunications Technician	8/4	4.20[1.20-14.64]
3118-Draughting Technicians	9/7	3.02[1.07-8.53]
31181-Draughting Technician	9/7	3.02[1.07-8.53]
312-Computer Equipment Controllers	7/6	1.77[0.57-5.47]
3121-Computer Equipment Controllers	7/6	1.77[0.57-5.47]
313-Optical and Electronic Equipment Controllers	4/8	0.89[0.26-3.04]
315-Safety and Health Inspectors	2/13	0.24[0.05-1.11]
3151-Safety and Health Inspectors	2/13	0.24[0.05-1.11]
32-Life Science and Health Associate Professionals	14/24	1.11[0.55-2.23]
321-Life Science Technicians and Related Workers	6/11	0.93[0.33-2.60]
3211-Life Science Technicians	2/11	0.30[0.06-1.40]
322-Health Associate Professionals	7/12	1.25[0.47-3.34]
33-Other Associate Professionals	61/129	0.88[0.62-1.25]
331-Finance and Sales Associate Professionals	35/53	1.15[0.72-1.84]
3312-Insurance Representative	8/7	2.34[0.81-6.73]
33121-Insurance Representative	8/7	2.34[0.81-6.73]
3313-Real Estate Agents	6/10	1.14[0.40-3.27]
33131-Real Estate Agent/Property Consultant	5/10	0.97[0.32-2.94]
3315-Sales Representatives	15/29	0.83[0.43-1.62]
33152-Technical Representative	5/10	0.94[0.31-2.90]
33153-Sales Representative	11/16	1.03[0.46-2.32]
332-Administrative Associate Professionals	8/19	0.82[0.35-1.92]
3321-Administrative and Related Associate Professionals	4/10	0.73[0.22-2.42]
33211-Administration Officer	3/8	0.70[0.18-2.77]
334-Social Work Associate Professionals	8/32	0.56[0.25-1.28]
3341-Social Work Associate Professionals	6/12	1.20[0.42-3.43]
33411-Social Worker	5/10	1.32[0.42-4.14]
3342-Education Associate Professionals	2/20	0.23[0.05-1.00]
33422-Teacher Aide	2/19	0.24[0.05-1.05]
336-Writers, Artists, Entertainment and Sports Associate Professionals	15/34	0.82[0.43-1.55]
3361-Authors, Journalists and Other Writers	1/12	0.17[0.02-1.36]
3369-Sportspersons and Related Workers	4/7	0.89[0.25-3.13]
4-Clerks	90/238	0.62[0.45-0.86]
41-Office Clerks	82/204	0.70[0.51-0.98]
411-Secretaries and Keyboard Operating Clerks	27/60	1.03[0.61-1.72]
4111-Typists and Word Processor Operators	9/23	1.10[0.48-2.51]
41111-Typist and Word Processor Operator	9/23	1.10[0.48-2.51]
4112-Data Entry Operators	4/6	1.40[0.37-5.23]
41121-Data Entry Operator	4/6	1.40[0.37-5.23]

4114-Secretaries	15/39	0.79[0.41-1.49]
41141-Secretary	15/39	0.79[0.41-1.49]
412-Numerical Clerks	16/31	0.98[0.52-1.85]
4121-Accounting and Bookkeeping Clerks	12/23	1.04[0.50-2.17]
41211-Accounts Clerk	10/17	1.24[0.54-2.83]
4122-Statistical and Finance Clerks	6/8	1.40[0.46-4.24]
41221-Finance Clerk	4/7	1.02[0.28-3.63]
413-Material Recording and Transport Clerks	10/22	0.72[0.33-1.58]
4131-Stock Clerks	8/19	0.69[0.29-1.65]
41311-Stock Clerk	3/16	0.29[0.08-1.02]
414-Library, Mail and Related Clerks	52/139	0.67[0.46-0.98]
4142-Mail Carriers and Sorting Clerks	11/11	1.70[0.71-4.05]
4144-Office Clerks	42/129	0.58[0.39-0.86]
41443-General Clerk	33/121	0.48[0.31-0.73]
41445-Human Resources Clerk	3/8	0.75[0.19-3.00]
42-Customer Services Clerks	29/75	0.79[0.49-1.29]
421-Cashiers, Tellers and Related Clerks	14/42	0.65[0.34-1.23]
4211-Cashiers and Ticket Issuers	5/16	0.60[0.21-1.72]
42111-Cashier	4/12	0.64[0.20-2.10]
4212-Bank Officers	10/29	0.68[0.32-1.45]
42121-Bank Officer	10/29	0.68[0.32-1.45]
422-Client Information Clerks	17/39	0.99[0.53-1.85]
4221-Receptionists and Information Clerks	12/23	1.16[0.55-2.46]
42213-Information Clerk and Other Receptionist	10/20	1.19[0.53-2.69]
4222-Telephone Switchboard Operators	6/17	0.84[0.31-2.24]
42221-Telephone Switchboard Operator	6/17	0.84[0.31-2.24]
5-Service and Sales Workers	130/205	1.40[1.04-1.90]
51-Personal and Protective Services Workers	89/131	1.46[1.04-2.04]
512-Housekeeping and Restaurant Services Workers	36/63	1.08[0.68-1.72]
5121-Housekeepers	5/12	0.88[0.29-2.64]
51212-Housekeeper (Not Private)	3/8	0.68[0.17-2.70]
5122-Cooks	9/20	0.86[0.37-1.96]
51222-Cook	7/14	1.07[0.41-2.77]
5123-Waiters and Bartenders	26/44	1.12[0.65-1.91]
51231-Bartender	8/10	1.11[0.42-2.95]
51233-Waiter	9/17	1.17[0.49-2.79]
51234-Catering Counter Assistant	5/11	0.94[0.31-2.83]
51235-Kitchenhand	8/7	2.51[0.87-7.21]
513-Personal Care Workers	18/38	1.06[0.58-1.96]
5131-Personal Care Workers	18/38	1.06[0.58-1.96]
51314-Nurse Aide	4/15	0.67[0.21-2.10]
51316-Care Giver	11/13	2.02[0.85-4.77]
514-Other Personal Services Workers	12/17	1.75[0.78-3.92]
5141-Hairdressers, Beauty Therapists and Related Workers	5/6	1.67[0.47-5.92]
5142-Child Care Workers	8/12	1.83[0.70-4.77]
51421-Child Care Worker	8/12	1.83[0.70-4.77]
515-Protective Services Workers	28/33	1.45[0.84-2.50]
5152-Police	7/13	0.93[0.36-2.39]
51522-Police Officer	7/13	0.93[0.36-2.39]
5154-Other Protective Services Workers	6/5	2.07[0.58-7.37]
51542-Security Officer	6/4	2.47[0.63-9.63]
5155-Armed Forces	13/13	1.77[0.79-3.99]
51551-Armed Forces	13/13	1.77[0.79-3.99]
52-Salespersons, Demonstrators and Models	66/110	1.22[0.85-1.77]
521-Salespersons and Demonstrators	62/108	1.17[0.80-1.70]
5211-Salespersons and Demonstrators	62/108	1.17[0.80-1.70]
52111-Sales Assistant	57/106	1.09[0.74-1.60]
52113-Forecourt Attendant	11/2	8.31[1.79-38.54]
6-Agriculture and Fishery Workers	106/144	1.66[1.21-2.29]
61-Market Oriented Agricultural and Fishery Workers	106/144	1.66[1.21-2.29]
611-Market Farmers and Crop Growers	47/46	2.15[1.37-3.38]
6111-Field Crop and Vegetable Growers	11/8	2.93[1.10-7.77]
61112-Market Gardener and Related Worker	8/4	3.98[1.14-13.88]

6112-Fruit Growers	23/24	2.03[1.09-3.78]
61121-Fruit Grower, Worker	20/21	2.07[1.07-4.02]
6113-Gardeners and Nursery Growers	20/19	1.96[1.01-3.82]
61131-Nursery Grower, Nursery Worker	7/8	1.87[0.65-5.39]
61133-Grounds or Green Keeper	12/7	3.01[1.14-7.96]
612-Market Oriented Animal Producers	64/106	1.19[0.82-1.73]
6121-Livestock Producers	42/73	1.10[0.72-1.69]
61211-Dairy Farmer, Dairy Farm Worker	27/45	1.09[0.65-1.84]
61212-Sheep Farmer, Sheep Farm Worker	12/24	0.91[0.44-1.89]
6122-Mixed Livestock Producers	8/21	0.63[0.27-1.49]
61221-Mixed Livestock Farmer, Mixed Livestock Farm Worker	8/21	0.63[0.27-1.49]
6125-Crop and Livestock Producers	14/10	3.61[1.44-9.02]
61251-Crop and Livestock Farmer, Worker	14/10	3.61[1.44-9.02]
6126-Other Agriculture Workers	11/16	1.03[0.46-2.33]
613-Forestry and Related Workers	3/8	0.69[0.18-2.75]
6131-Forestry Workers and Loggers	3/8	0.69[0.18-2.75]
614-Fishery Workers, Hunters and Trappers	7/3	5.62[1.27-24.97]
7-Trades Workers	93/128	1.28[0.89-1.83]
71-Building Trades Workers	57/49	2.02[1.30-3.14]
711-Building Frame and Related Trades Workers	33/27	1.93[1.10-3.39]
7112-Carpenters and Joiners	32/25	1.97[1.11-3.48]
71121-Carpenter and/or Joiner	12/12	1.32[0.56-3.09]
71122-Builder (Including Contractor)	23/13	2.90[1.41-5.96]
712-Building Finishers and Related Trades Workers	14/17	1.20[0.57-2.53]
7124-Painters and Paperhangers	8/10	1.13[0.43-2.96]
71241-Painter, Decorator and/or Paperhanger	6/8	1.07[0.36-3.21]
713-Electricians	16/8	3.21[1.32-7.79]
7131-Electricians	16/8	3.21[1.32-7.79]
71311-Electrician	14/6	3.61[1.34-9.74]
72-Metal and Machinery Trades Workers	29/51	0.88[0.52-1.49]
721-Metal Moulders, Sheet-Metal and Related Workers	8/11	1.07[0.41-2.80]
7212-Sheet-Metal Workers	8/11	1.07[0.41-2.80]
72124-Fitter and Welder	8/8	1.44[0.51-4.05]
722-Blacksmiths, Toolmakers and Related Workers	5/7	1.46[0.43-4.93]
723-Machinery Mechanics and Fitters	21/35	0.91[0.50-1.67]
7231-Machinery Mechanics and Fitters	21/35	0.91[0.50-1.67]
72311-Machinery Mechanic	7/18	0.56[0.22-1.42]
72312-Motor Mechanic	12/16	1.03[0.46-2.29]
724-Electrical and Electronic Instrument Mechanics and Fitters	2/8	0.39[0.08-1.90]
73-Precision Trades Workers	6/15	0.67[0.25-1.81]
733-Printing Trades Workers	3/13	0.43[0.12-1.56]
7331-Printing Trades Workers	1/12	0.16[0.02-1.29]
74-Other Craft and Related Trades Workers	7/26	0.49[0.21-1.17]
741-Food and Related Products Processing Trades Workers	1/10	0.15[0.02-1.19]
743-Tailors and Dressmakers	4/13	0.70[0.22-2.22]
8-Plant and Machine Operators and Assemblers	92/120	1.42[1.01-2.01]
81-Industrial Plant Operators	20/26	1.19[0.63-2.25]
811-Mining and Mineral Processing Plant Operators	6/7	1.18[0.38-3.65]
8111-Mining Plant Operators	4/6	0.89[0.24-3.30]
812-Metal-Processing Plant Operators	8/11	1.12[0.43-2.94]
814-Wood-Processing and Papermaking Plant Operators	7/5	2.57[0.78-8.43]
82-Stationary Machine Operators and Assemblers	48/64	1.27[0.83-1.94]
821-Metal and Mineral Products Processing Machine Operators	7/4	2.68[0.73-9.82]
826-Textile Products Machine Operators	10/19	1.23[0.53-2.82]
8263-Sewing and Embroidering Machine Operators	4/13	0.75[0.23-2.45]
82631-Sewing Machinist	4/13	0.75[0.23-2.45]
827-Food and Related Products Processing Machine Operators	12/16	1.09[0.49-2.38]
8271-Meat and Fish Processing Machine Operators	6/9	0.93[0.32-2.71]
829-Assemblers	14/20	1.03[0.50-2.12]
8292-Electrical Machinery Assemblers	6/9	1.04[0.35-3.07]
82923-Linesperson	4/7	0.88[0.24-3.23]
8294-Wood and Related Materials Products Assemblers	4/6	0.85[0.23-3.16]
83-Drivers and Mobile Machinery Operators	37/50	1.31[0.80-2.14]

832-Motor Vehicle Drivers	22/32	1.22[0.67-2.23]
8321-Car, Taxi and Light Van Drivers	6/7	1.21[0.39-3.78]
8323-Heavy Truck Drivers	15/24	1.14[0.56-2.33]
83231-Heavy Truck or Tanker Driver	15/24	1.14[0.56-2.33]
833-Agricultural, Earthmoving and Other Materials-Handling Equipment Oper	14/15	1.59[0.72-3.50]
8331-Motorised Farm Machinery Operators	3/7	0.92[0.22-3.91]
8332-Earthmoving and Related Machinery Operators	8/8	1.43[0.51-3.99]
83324-Earthmoving Machine Operator	6/5	1.97[0.58-6.76]
834-Ships' Deck Crews and Related Workers	6/9	1.44[0.47-4.38]
8341-Ships' Deck Crews and Related Workers	6/9	1.44[0.47-4.38]
83411-Deck Rating	4/9	1.03[0.29-3.61]
84-Building and Related Workers	5/6	1.19[0.34-4.12]
841-Building and Related Workers	5/6	1.19[0.34-4.12]
8411-Building and Related Workers	5/5	1.33[0.37-4.84]
9-Elementary Occupations (incl Residuals)	80/111	1.44[1.01-2.04]
91-Labourers and Related Elementary Service Workers	78/110	1.39[0.98-1.98]
911-Building Caretakers and Cleaners	19/35	1.18[0.64-2.18]
9111-Caretakers and Cleaners	19/35	1.18[0.64-2.18]
91111-Cleaner	17/28	1.30[0.68-2.51]
91112-Building Caretaker	4/7	1.29[0.35-4.74]
912-Messengers and Doorkeepers	5/12	0.73[0.25-2.18]
9121-Messengers and Doorkeepers	5/12	0.73[0.25-2.18]
91211-Courier and Deliverer	5/11	0.81[0.27-2.43]
914-Packers and Freight Handlers	12/29	0.65[0.32-1.32]
9141-Packers and Freight Handlers	12/29	0.65[0.32-1.32]
91411-Packer	7/13	1.02[0.39-2.67]
91412-Loader and/or Checker	5/16	0.44[0.16-1.25]
915-Labourers	48/55	1.61[1.03-2.52]
9151-Labourers	48/55	1.61[1.03-2.52]
91512-Builder's Labourer	8/5	2.94[0.91-9.49]
91513-Sawmill Labourer	5/6	1.28[0.38-4.38]
91514-General Labourer	39/46	1.49[0.92-2.42]

OR adjusted for Age, Sex, Ethnicity, Highest Education Level, Socioeconomic Deprivation Status and Smoking.

Results were based on at least 10 subjects (cases + controls).

"Response outside scope" was used for responses, such as 'housewife', 'pensioner' or 'student', which are not covered by NZSCO99.

Supplementary Tables S2. Odds Ratios (OR) and 95% CIs for Industry Categories

Industry	Number (Cases/Controls)	OR
0-Response Outside Scope	91/203	0.90[0.65-1.24]
00001-Student	23/56	0.79[0.46-1.36]
00002-Housewife/husband	42/107	0.89[0.57-1.40]
00003-Unemployed	14/25	1.05[0.53-2.09]
00004-Retired	14/36	0.87[0.45-1.70]
00006-Overseas / travelling	13/27	0.81[0.40-1.64]
00008-Held various odd jobs, that can not be coded individually	6/10	1.00[0.35-2.83]
A-Agriculture, Forestry and Fishing	101/149	1.42[1.03-1.96]
A01-Agriculture	92/123	1.68[1.20-2.35]
A011-Horticulture and Fruit Growing	36/40	1.93[1.18-3.18]
A0111-Plant Nurseries	5/5	1.66[0.45-6.06]
A0113-Vegetable Growing	8/7	2.62[0.89-7.76]
A0119-Fruit Growing nec	20/13	3.67[1.71-7.89]
A012-Grain, Sheep and Beef Cattle Farming	34/44	1.50[0.91-2.46]
A0123-Sheep-Beef Cattle Farming	21/26	1.59[0.85-2.96]
A0124-Sheep Farming	7/15	0.82[0.32-2.10]
A0125-Beef Cattle Farming	5/6	1.48[0.43-5.11]
A013-Dairy Cattle Farming	29/41	1.40[0.83-2.36]
A0130-Dairy Cattle Farming	29/41	1.40[0.83-2.36]
A015-Other Livestock Farming	12/17	1.18[0.53-2.59]
A0159-Livestock Farming nec	7/13	0.94[0.35-2.52]
A02-Services to Agriculture; Hunting and Trapping	13/26	0.89[0.44-1.81]
A021-Services to Agriculture	13/24	0.95[0.46-1.94]
A0219-Services to Agriculture nec	8/22	0.60[0.26-1.41]
A03-Forestry and Logging	5/10	0.77[0.25-2.37]
A030-Forestry and Logging	5/10	0.77[0.25-2.37]
A04-Commercial Fishing	6/8	1.33[0.44-4.04]
A041-Marine Fishing	6/7	1.55[0.49-4.89]
B-Mining	16/12	2.26[1.03-4.97]
B14-Other Mining	7/4	3.81[1.07-13.59]
C-Manufacturing	131/237	0.99[0.74-1.32]
C21-Food, Beverage and Tobacco	41/67	1.12[0.73-1.71]
C211-Meat and Meat Product Manufacturing	20/29	1.16[0.63-2.13]
C2111-Meat Processing	20/27	1.26[0.68-2.33]
C212-Dairy Product Manufacturing	11/5	4.98[1.64-15.06]
C2129-Dairy Product Manufacturing nec	8/4	4.10[1.16-14.45]
C217-Other Food Manufacturing	4/20	0.40[0.13-1.21]
C2179-Food Manufacturing nec	3/9	0.63[0.16-2.42]
C218-Beverage and Malt Manufacturing	7/9	1.30[0.47-3.60]
C22-Textile, Clothing, Footwear and Leather Manufacturing	25/57	0.93[0.56-1.56]
C221-Textile Fibre, Yarn and Woven Fabric Manufacturing	9/13	1.25[0.52-3.04]
C2214-Wool Textile Manufacturing	6/10	1.19[0.41-3.42]
C222-Textile Product Manufacturing	4/8	1.12[0.31-4.05]
C224-Clothing Manufacturing	9/23	1.10[0.48-2.54]
C2240-Clothing Manufacturing	5/10	1.20[0.39-3.73]
C225-Footwear Manufacturing	1/10	0.19[0.02-1.54]
C23-Wood and Paper Product Manufacturing	21/34	1.14[0.63-2.04]
C231-Log Sawmilling and Timber Dressing	12/10	2.12[0.87-5.19]
C2311-Log Sawmilling	11/9	1.99[0.79-4.99]
C232-Other Wood Product Manufacturing	3/9	0.59[0.15-2.31]
C233-Paper and Paper Product Manufacturing	8/15	1.05[0.43-2.56]
C2331-Pulp, Paper and Paperboard Manufacturing	6/13	0.88[0.32-2.41]
C24-Printing, Publishing and Recorded Media	6/35	0.31[0.13-0.75]
C241-Printing and Services to Printing	4/15	0.42[0.13-1.31]
C2412-Printing	3/14	0.36[0.10-1.30]
C242-Publishing	2/20	0.20[0.05-0.88]
C2421-Newspaper Printing or Publishing	2/13	0.32[0.07-1.49]
C25-Petroleum, Coal, Chemical and Associated Product Manufacturing	18/34	0.97[0.53-1.78]
C253-Basic Chemical Manufacturing	4/6	1.19[0.32-4.44]
C254-Other Chemical Product Manufacturing	9/15	1.09[0.46-2.59]

C255-Rubber Product Manufacturing	2/8	0.58[0.12-2.84]
C256-Plastic Product Manufacturing	4/6	1.02[0.28-3.78]
C26-Non-Metallic Mineral Product Manufacturing	8/10	1.37[0.52-3.64]
C263-Cement, Lime, Plaster and Concrete Product Manufacturing	6/5	2.11[0.62-7.19]
C27-Metal Product Manufacturing	24/36	1.21[0.69-2.11]
C271-Iron and Steel Manufacturing	7/14	0.85[0.33-2.21]
C2711-Basic Iron and Steel Manufacturing	4/14	0.48[0.15-1.52]
C274-Structural Metal Product Manufacturing	6/5	1.74[0.51-5.89]
C276-Fabricated Metal Product Manufacturing	9/16	1.16[0.49-2.75]
C2769-Fabricated Metal Product Manufacturing nec	2/12	0.36[0.08-1.69]
C28-Machinery and Equipment Manufacturing	27/47	0.91[0.54-1.53]
C281-Motor Vehicle and Part Manufacturing	8/16	0.77[0.32-1.87]
C2811-Motor Vehicle Manufacturing	6/13	0.74[0.27-2.03]
C282-Other Transport Equipment Manufacturing	7/11	1.14[0.42-3.08]
C2822-Boatbuilding	3/8	0.66[0.17-2.65]
C285-Electrical Equipment and Appliance Manufacturing	3/10	0.59[0.15-2.22]
C286-Industrial Machinery and Equipment Manufacturing	10/15	1.11[0.48-2.60]
C2869-Industrial Machinery and Equipment Manufacturing nec	5/11	0.74[0.24-2.25]
C29-Other Manufacturing	9/17	0.79[0.34-1.85]
C292-Furniture Manufacturing	4/9	0.59[0.18-1.97]
C294-Other Manufacturing	5/8	1.08[0.33-3.52]
D-Electricity, Gas and Water Supply	14/20	1.16[0.57-2.39]
D36-Electricity and Gas Supply	14/20	1.16[0.57-2.39]
D361-Electricity Supply	13/16	1.40[0.65-3.00]
E-Construction	83/100	1.50[1.04-2.14]
E41-General Construction	53/50	1.81[1.16-2.82]
E411-Building Construction	40/43	1.47[0.91-2.38]
E4111-House Construction	31/30	1.59[0.92-2.76]
E4113-Non-Residential Building Construction	7/5	1.98[0.60-6.47]
E412-Non-Building Construction	16/11	2.36[1.05-5.29]
E4121-Road and Bridge Construction	12/6	3.00[1.09-8.30]
E4122-Non-Building Construction nec	4/6	1.06[0.28-3.99]
E42-Construction Trade Services	46/63	1.23[0.80-1.90]
E421-Site Preparation Services	6/5	1.62[0.47-5.55]
E4210-Site Preparation Services	6/5	1.62[0.47-5.55]
E422-Building Structure Services	4/6	1.04[0.27-3.95]
E423-Installation Trade Services	19/20	1.53[0.78-2.98]
E4231-Plumbing Services	6/5	1.86[0.54-6.39]
E4232-Electrical Services	10/10	1.69[0.68-4.24]
E424-Building Completion Services	18/31	1.04[0.56-1.93]
E4242-Carpentry Services	6/10	1.05[0.36-3.03]
E4244-Painting and Decorating Services	7/13	0.89[0.34-2.29]
E425-Other Construction Services	6/6	1.41[0.43-4.64]
F-Wholesale Trade	32/79	0.66[0.42-1.03]
F45-Basic Material Wholesaling	13/39	0.54[0.28-1.05]
F451-Farm Produce Wholesaling	8/17	0.81[0.33-1.96]
F4519-Farm Produce and Supplies Wholesaling nec	6/10	1.00[0.35-2.90]
F453-Builders Supplies Wholesaling	5/13	0.64[0.22-1.88]
F4539-Building Supplies Wholesaling nec	3/8	0.66[0.17-2.59]
F46-Machinery and Motor Vehicle Wholesaling	8/12	1.03[0.41-2.63]
F461-Machinery and Equipment Wholesaling	6/9	0.98[0.33-2.89]
F47-Personal and Household Good Wholesaling	12/39	0.54[0.27-1.06]
F471-Food, Drink and Tobacco Wholesaling	4/20	0.35[0.12-1.06]
F4719-Grocery Wholesaling nec	3/7	0.84[0.21-3.39]
F479-Other Wholesaling	6/11	0.90[0.32-2.51]
G-Retail Trade	110/194	1.09[0.81-1.48]
G51-Food Retailing	32/66	0.95[0.60-1.52]
G511-Supermarket and Grocery Stores	18/45	0.81[0.45-1.47]
G5110-Supermarket and Grocery Stores	15/41	0.75[0.40-1.41]
G512-Specialised Food Retailing	18/31	1.10[0.59-2.03]
G5124-Bread and Cake Retailing	2/11	0.34[0.07-1.58]
G5125-Takeaway Food Retailing	7/8	1.78[0.61-5.20]
G52-Personal and Household Good Retailing	57/111	0.97[0.67-1.41]

G521-Department Stores	8/26	0.55[0.24-1.27]
G522-Clothing and Soft Good Retailing	17/21	1.93[0.96-3.88]
G5221-Clothing Retailing	9/12	1.79[0.71-4.50]
G523-Furniture, Houseware and Appliance Retailing	13/24	0.92[0.45-1.86]
G5233-Domestic Hardware and Houseware Retailing	3/10	0.43[0.11-1.63]
G5234-Domestic Appliance Retailing	5/7	1.32[0.40-4.29]
G524-Recreational Good Retailing	6/20	0.66[0.25-1.70]
G5243-Newspaper, Book and Stationery Retailing	5/13	0.89[0.30-2.61]
G525-Other Personal and Household Good Retailing	21/28	1.36[0.74-2.50]
G5251-Pharmaceutical, Cosmetic and Toiletry Retailing	6/7	1.32[0.43-4.08]
G5259-Retailing nec	12/6	3.7[1.33-10.24]
G526-Household Equipment Repair Services	6/6	1.59[0.49-5.18]
G53-Motor Vehicle Retailing and Services	47/48	1.78[1.14-2.78]
G531-Motor Vehicle Retailing	18/9	3.73[1.62-8.60]
G5311-Car Retailing	13/9	2.47[1.02-6.00]
G532-Motor Vehicle Services	37/39	1.62[0.99-2.65]
G5321-Automotive Fuel Retailing	19/9	4.10[1.72-9.78]
G5329-Automotive Repair and Services nec	17/25	1.07[0.55-2.07]
H-Accommodation, Cafes and Restaurants	48/81	1.13[0.75-1.71]
H57-Accommodation, Cafes and Restaurants	48/81	1.13[0.75-1.71]
H571-Accommodation	34/44	1.51[0.92-2.49]
H5710-Accommodation	34/44	1.51[0.92-2.49]
H572-Pubs, Taverns and Bars	6/6	1.55[0.48-5.02]
H573-Cafes and Restaurants	12/38	0.59[0.29-1.17]
H5730-Cafes and Restaurants	8/9	1.68[0.61-4.62]
I-Transport and Storage	58/88	1.20[0.82-1.76]
I61-Road Transport	17/38	0.74[0.39-1.38]
I611-Road Freight Transport	10/31	0.54[0.25-1.16]
I6110-Road Freight Transport	4/9	0.92[0.26-3.30]
I612-Road Passenger Transport	7/11	0.98[0.37-2.63]
I6122-Short Distance Bus Transport (including Tramway)	3/7	0.70[0.17-2.83]
I62-Rail Transport	17/12	2.34[1.09-5.06]
I620-Rail Transport	12/6	3.19[1.16-8.79]
I6200-Rail Transport	9/6	2.27[0.78-6.62]
I63-Water Transport	8/11	1.72[0.64-4.62]
I630-Water Transport	8/11	1.72[0.64-4.62]
I6301-International Sea Transport	3/8	0.87[0.21-3.56]
I64-Air and Space Transport	4/11	0.64[0.20-2.08]
I640-Air and Space Transport	4/9	0.82[0.24-2.74]
I66-Services to Transport	15/20	1.39[0.69-2.81]
I662-Services to Water Transport	4/11	0.71[0.22-2.30]
I664-Other Services to Transport	7/8	1.51[0.52-4.34]
I6641-Travel Agency Services	6/6	1.66[0.51-5.36]
J-Communication Services	33/47	1.43[0.88-2.32]
J71-Communication Services	33/47	1.43[0.88-2.32]
J711-Postal and Courier Services	25/35	1.47[0.85-2.56]
J7111-Postal Services	19/31	1.25[0.68-2.29]
J712-Telecommunication Services	10/17	1.12[0.49-2.55]
J7120-Telecommunication Services	7/6	2.44[0.78-7.61]
K-Finance and Insurance	32/78	0.79[0.50-1.24]
K73-Finance	20/41	0.97[0.55-1.72]
K732-Deposit Taking Financiers	14/35	0.82[0.42-1.57]
K7321-Banks	14/34	0.85[0.44-1.65]
K74-Insurance	13/27	1.02[0.51-2.05]
K742-Other Insurance	10/27	0.78[0.37-1.67]
K7422-General Insurance	9/27	0.70[0.32-1.54]
K75-Services to Finance and Insurance	8/17	0.80[0.34-1.92]
K751-Services to Finance and Investment	8/11	1.22[0.47-3.15]
K7519-Services to Finance and Investment nec	6/11	0.92[0.33-2.57]
L-Property and Business Services	84/174	0.86[0.62-1.18]
L77-Property Services	16/40	0.70[0.38-1.29]
L771-Property Operators and Developers	8/13	1.08[0.43-2.67]
L7712-Commercial Property Operators and Developers	3/9	0.58[0.15-2.21]

L772-Real Estate Agents	7/20	0.67[0.27-1.62]
L774-Machinery and Equipment Hiring and Leasing	2/9	0.32[0.07-1.51]
L78-Business Services	73/146	0.92[0.66-1.29]
L781-Scientific Research	10/14	1.48[0.62-3.49]
L782-Technical Services	18/31	1.04[0.56-1.92]
L7821-Architectural Services	6/5	2.76[0.80-9.51]
L7823-Consultant Engineering Services	9/15	1.02[0.43-2.41]
L7829-Technical Services nec	3/9	0.51[0.13-2.00]
L783-Computer Services	13/11	2.00[0.86-4.62]
L7834-Computer Consultancy Services	11/8	2.39[0.92-6.15]
L784-Legal and Accounting Services	16/46	0.66[0.36-1.21]
L7841-Legal Services	6/20	0.62[0.24-1.59]
L7842-Accounting Services	10/28	0.65[0.31-1.39]
L785-Marketing and Business Management Services	7/27	0.49[0.21-1.16]
L7851-Advertising Services	2/11	0.34[0.07-1.58]
L7855-Business Management Services	2/11	0.35[0.08-1.64]
L786-Other Business Services	21/42	1.00[0.56-1.76]
L7861-Employment Placement Services	4/8	1.03[0.30-3.61]
L7864-Security and Investigative Services (except Police)	7/5	2.32[0.70-7.71]
L7866-Cleaning Services	5/14	0.70[0.24-2.07]
L7869-Business Services nec	2/10	0.42[0.09-2.03]
M-Government Administration and Defence	81/148	1.06[0.77-1.46]
M81-Government Administration	61/120	0.99[0.70-1.42]
M811-Government Administration	56/117	0.92[0.64-1.33]
M8111-Central Government Administration	37/73	0.99[0.64-1.54]
M8113-Local Government Administration	17/52	0.61[0.34-1.09]
M82-Defence	25/35	1.36[0.78-2.37]
M820-Defence	25/35	1.36[0.78-2.37]
M8200-Defence	25/35	1.36[0.78-2.37]
N-Education	61/160	0.75[0.52-1.10]
N84-Education	61/160	0.75[0.52-1.10]
N841-Preschool Education	4/8	1.03[0.30-3.58]
N842-School Education	36/102	0.75[0.48-1.16]
N8421-Primary Education	20/52	0.87[0.50-1.54]
N8422-Secondary Education	14/44	0.71[0.37-1.36]
N8423-Combined Primary and Secondary Education	2/17	0.27[0.06-1.19]
N843-Post School Education	23/44	1.11[0.63-1.94]
N8431-Higher Education	13/37	0.72[0.36-1.42]
N8432-Technical and Further Education	9/9	2.17[0.83-5.71]
N844-Other Education	11/45	0.51[0.25-1.02]
N8440-Other Education	5/5	2.56[0.72-9.16]
O-Health and Community Services	63/139	0.96[0.66-1.39]
O86-Health Services	46/108	0.92[0.61-1.39]
O861-Hospitals and Nursing Homes	27/73	0.79[0.48-1.29]
O8611-Hospitals (except Psychiatric Hospitals)	26/69	0.81[0.49-1.33]
O862-Medical and Dental Services	9/32	0.61[0.28-1.33]
O8621-General Practice Medical Services	5/19	0.54[0.19-1.51]
O8623-Dental Services	2/12	0.40[0.09-1.83]
O863-Other Health Services	14/25	1.18[0.59-2.38]
O8639-Health Services nec	12/17	1.67[0.76-3.66]
O87-Community Services	28/51	1.25[0.74-2.11]
O871-Child Care Services	5/13	0.97[0.33-2.87]
O872-Community Care Services	24/37	1.47[0.83-2.61]
O8721-Accommodation for the Aged	6/18	0.69[0.26-1.81]
O8722-Residential Care Services nec	11/15	1.47[0.64-3.36]
O8729-Non-Residential Care Services nec	7/6	3.49[1.09-11.22]
P-Cultural and Recreational Services	35/56	1.23[0.77-1.95]
P91-Motion Picture, Radio and Television Services	5/7	1.52[0.47-4.97]
P92-Libraries, Museums and the Arts	13/25	1.07[0.53-2.19]
P921-Libraries	6/9	1.95[0.66-5.78]
P924-Arts	5/10	0.92[0.30-2.81]
P9242-Creative Arts	2/9	0.40[0.08-1.90]
P93-Sport and Recreation	19/27	1.25[0.67-2.33]

P931-Sport	11/14	1.32[0.58-3.01]
P9312-Sports Grounds and Facilities nec	5/7	1.24[0.38-4.08]
P933-Other Recreation Services	7/9	1.50[0.53-4.23]
Q-Personal and Other Services	49/68	1.32[0.88-2.00]
Q95-Personal Services	19/30	1.08[0.59-2.00]
Q952-Other Personal Services	19/29	1.13[0.61-2.10]
Q9521-Laundries and Dry-Cleaners	3/9	0.59[0.16-2.26]
Q9525-Gardening Services	6/10	0.88[0.31-2.51]
Q9526-Hairdressing and Beauty Salons	4/9	0.80[0.23-2.76]
Q96-Other Services	29/39	1.37[0.82-2.30]
Q961-Religious Organisations	7/11	1.48[0.55-4.01]
Q962-Interest Groups	13/13	1.92[0.85-4.32]
Q9629-Interest Groups nec	7/6	1.87[0.61-5.78]
Q963-Public Order and Safety Services	11/16	1.04[0.47-2.33]
Q9631-Police Services	7/8	1.58[0.55-4.52]

OR adjusted for Age, Sex, Ethnicity, Highest Education Level, Socioeconomic Deprivation Status and Smoking.

Results were based on at least 10 subjects (cases + controls).

"Response outside scope" was used for responses, such as 'housewife', 'pensioner' or 'student', which are not covered by NZSCO99.

Supplementary Tables S4. Odds Ratios (OR) and 95% CIs for Occupations adjusted by interview methods

Occupation	N(Cases/Controls)	Never/Ever	
		OR1	OR2
1-Legislators, Administrators and Managers	84/169	0.83[0.60-1.14]	0.78[0.54-1.13]
2-Professionals	109/254	0.75[0.54-1.05]	0.82[0.56-1.21]
3-Technicians and Associate Professionals	103/197	0.97[0.72-1.32]	0.92[0.65-1.30]
31141-Telecommunications Technician	8/4	4.20[1.20-14.64]*	3.75[0.89-15.74]
3118-Draughting Technicians	9/7	3.02[1.07-8.53]*	2.65[0.84-8.38]
3342- Education Associate Professionals	2/20	0.23[0.05-1.00]*	0.26[0.05-1.26]
4-Clerks	90/238	0.62[0.45-0.86]*	0.67[0.46-0.96]*
5-Service and Sales Workers	130/205	1.40[1.04-1.90]*	1.27[0.90-1.79]
51-Personal and Protective Services Workers	89/131	1.46[1.04-2.04]*	1.47[1.00-2.16]
52113-Forecourt Attendant	11/2	8.31[1.79-38.54]*	7.05[1.32-37.61]*
6-Agriculture and Fishery Workers	106/144	1.66[1.21-2.29]*	1.56[1.08-2.26]*
61-Market Oriented Agricultural and Fishery Workers	106/144	1.66[1.21-2.29]*	1.56[1.08-2.26]*
611-Market Farmers and Crop Growers	47/46	2.15[1.37-3.38]*	2.04[1.23-3.39]*
6111-Field Crop and Vegetable Growers	11/8	2.93[1.10-7.77]*	1.98[0.67-5.89]
61112-Market Gardener and Related Worker	8/4	3.98[1.14-13.88]*	2.47[0.60-10.17]
6112-Fruit Growers	23/24	2.03[1.09-3.78]*	2.41[1.19-4.89]*
61121-Fruit Grower, Worker	20/21	2.07[1.07-4.02]*	2.17[1.01-4.66]*
6113-Gardeners and Nursery Growers	20/19	1.96[1.01-3.82]*	1.75[0.84-3.64]
61133-Grounds or Green Keeper	12/7	3.01[1.14-7.96]*	2.70[0.91-7.96]
6125-Crop and Livestock Producers	14/10	3.61[1.44-9.02]*	4.88[1.73-13.78]*
614-Fishery Workers, Hunters and Trappers	7/3	5.62[1.27-24.97]*	3.09[0.52-18.23]
7-Trades Workers	93/128	1.28[0.89-1.83]	1.13[0.75-1.69]
71-Building Trades Workers	57/49	2.02[1.30-3.14]*	2.03[1.21-3.38]*
711-Building Frame and Related Trades Workers	33/27	1.93[1.10-3.39]*	1.68[0.88-3.22]
7112-Carpenters and Joiners	32/25	1.97[1.11-3.48]*	1.82[0.94-3.54]
71122-Builder (Including Contractor)	23/13	2.90[1.41-5.96]*	2.92[1.28-6.68]*
71311-Electrician	14/6	3.61[1.34-9.74]*	3.74[1.16-12.02]*
8-Plant and Machine Operators and Assemblers	92/120	1.42[1.01-2.01]*	1.29[0.87-1.92]
9-Elementary Occupations (incl Residuals)	80/111	1.44[1.01-2.04]*	1.35[0.90-2.02]
9151-Labourers	48/55	1.61[1.03-2.52]*	1.39[0.83-2.34]

OR1 adjusted for Age, Sex, Ethnicity, Highest Education Level, Socioeconomic Deprivation Status and Smoking.

OR2 adjusted for Age, Sex, Ethnicity, Highest Education Level, Socioeconomic Deprivation Status, Smoking and Interview Method.

The table includes results for all broad occupation categories (1-digit), and for specific occupations (2-5 digits) if the association for ever vs. never employed was statistically significant (p<0.05).

Results were based on at least 10 subjects (cases + controls).

*p<0.05

Supplementary Table S5. Urban/Rural residence (as recorded on the Electoral Roll) for participants and non-participants

	All study subject				P	Participants				P	Non-Participants				P	Controls			
	Cases (N=396)		Controls (N=2400)			Cases (N=321)		Controls (N=605)			Cases (N=75)		Controls (N=1795)			Participants (N=605)		Non-Participants (N=1795)	
Urban/Rural living	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%			
Urban	334	84.34	2043	85.12	269	83.80	495	81.82	65	86.67	1548	86.24	495	81.82	1548	86.24			
Rural	62	15.66	357	14.88	52	16.20	110	18.18	10	13.33	247	13.76	110	18.18	247	13.76			

Urban area including: main urban area, secondary urban area and minor urban area
Rural area including: rural central and rural including offshore islands

- main urban area – city or major centre with a population of > 30,000
- secondary urban area – larger regional centres with a population of 10,000-29,999
- minor urban area – urbanized settlement centred around a smaller town with a population of 1,000 – 9,999
- rural central – an area outside the urban centres (described above) which does not incorporate coastal areas and off-shore islands
- rural including offshore islands -an area outside the urban centres (described above) which incorporates coastal areas and off-shore islands by Statistics New Zealand. *Geographic definitions*.

Supplementary Table S6. Occupation (as recorded on the Electoral Roll) for participating and non-participating Controls

Occupation	Non-Participants Controls		Participants Controls		P
Occupation-1 Digit	(N=1795)	%	(N=605)	%	<.0001
0-Response Outside Scope	874	48.69	246	40.66	
1-Legislators, Administrators and Managers	118	6.57	51	8.43	
2-Professionals	135	7.52	109	18.02	
3-Technicians and Associate Professionals	85	4.74	40	6.61	
4-Clerks	63	3.51	27	4.46	
5-Service and Sales Workers	87	4.85	22	3.64	
6-Agriculture and Fishery Workers	77	4.29	28	4.63	
7-Trades Workers	101	5.63	23	3.80	
8-Plant and Machine Operators and Assemblers	56	3.12	20	3.31	
9-Elementary Occupations (incl Residuals)	199	11.08	39	6.44	
Occupation-2 Digit	(N=1795)	%	(N=605)	%	<.0001
00-Response Outside Scope	874	48.69	246	40.66	
11-Legislators and Administrators	6	0.33	2	0.33	
12-Corporate Managers	112	6.24	49	8.10	
21-Physical, Mathematical and Engineering Science Professionals	42	2.34	23	3.80	
22-Life Science and Health Professionals	21	1.17	19	3.14	
23-Teaching Professionals	29	1.61	37	6.11	
24-Other Professionals	43	2.40	30	4.95	
31-Physical Science and Engineering Associate Professionals	31	1.73	9	1.49	
32-Life Science and Health Associate Professionals	3	0.17	3	0.50	
33-Other Associate Professionals	51	2.84	28	4.63	
41-Office Clerks	53	2.95	23	3.80	
42-Customer Services Clerks	10	0.56	4	0.66	
51-Personal and Protective Services Workers	50	2.79	11	1.82	
52-Salespersons, Demonstrators and Models	37	2.06	11	1.82	
61-Market Oriented Agricultural and Fishery Workers	77	4.29	28	4.63	
71-Building Trades Workers	59	3.29	16	2.64	
72-Metal and Machinery Trades Workers	28	1.56	4	0.66	
73-Precision Trades Workers	3	0.17	1	0.17	
74-Other Craft and Related Trades Workers	11	0.61	2	0.33	
81-Industrial Plant Operators	4	0.22	2	0.33	
82-Stationary Machine Operators and Assemblers	20	1.11	9	1.49	
83-Drivers and Mobile Machinery Operators	27	1.50	7	1.16	
84-Building and Related Workers	5	0.28	2	0.33	
91-Labourers and Related Elementary Service Workers	49	2.73	9	1.49	
97-Response Unidentifiable	22	1.23	0	0	
99-Not Stated	128	7.13	30	4.96	

"Response outside scope" was used for responses, such as 'housewife', 'pensioner' or 'student', which are not covered by NZSCO99.

Supplementary Table S7. Odds Ratios (OR) and 95% CIs for Occupation Stratified by Gender

Occupational Title	Male(Cases/Controls) (n)	OR (95% CI)	Female(Cases/Controls) (n)	OR (95% CI)
1-Legislators, Administrators and Managers	54/111	0.61[0.40-0.93]*	30/58	1.26[0.73-2.15]
1222-Finance and Administration Managers	9/31	0.44[0.20-0.98]*	8/4	4.98[1.38-17.99]*
2-Professionals	52/120	0.54[0.33-0.88]*	57/134	0.98[0.59-1.63]
2411-Accountants	3/19	0.25[0.07-0.90]*	5/11	0.93[0.30-2.89]
3-Technicians and Associate Professionals	67/105	1.13[0.76-1.67]	36/92	0.77[0.47-1.28]
311-Physical Science and Engineering Technicians	23/25	1.98[1.05-3.77]*	5/10	1.26[0.40-3.95]
4-Clerks	32/83	0.57[0.35-0.91]*	58/155	0.70[0.43-1.12]
41443-General Clerk	14/46	0.49[0.26-0.94]*	19/75	0.44[0.24-0.80]*
5-Service and Sales Workers	67/77	1.52[1.01-2.30]*	63/128	1.26[0.78-2.04]
51316-Care Giver	0/2	-	11/11	2.65[1.04-6.79]*
52113-Forecourt Attendant	9/2	6.21[1.28-30.10]*	2/0	-
6-Agriculture and Fishery Workers	76/96	1.65[1.10-2.47]*	30/48	1.67[0.95-2.96]
61-Market Oriented Agricultural and Fishery Workers	76/96	1.65[1.10-2.47]*	30/48	1.67[0.95-2.96]
611-Market Farmers and Crop Growers	32/23	2.64[1.46-4.78]*	15/23	1.76[0.82-3.77]
6112-Fruit Growers	15/9	2.99[1.24-7.16]*	8/15	1.45[0.55-3.85]
61121-Fruit Grower, Worker	13/9	2.68[1.09-6.58]*	7/12	1.62[0.56-4.70]
7-Trades Workers	84/116	1.19[0.79-1.77]	9/12	1.86[0.73-4.76]
71-Building Trades Workers	53/48	1.85[1.15-2.96]*	4/1	-
71122-Builder (Including Contractor)	21/13	2.65[1.25-5.62]*	2/0	-
71311-Electrician	14/6	3.61[1.31-9.96]*	0/0	-
8-Plant and Machine Operators and Assemblers	78/94	1.50[1.00-2.25]	14/26	1.33[0.63-2.80]
9-Elementary Occupations (incl Residuals)	57/70	1.47[0.95-2.27]	23/41	1.50[0.80-2.82]

OR adjusted for Age, Ethnicity, Highest Education Level, Socioeconomic Deprivation Status and Smoking.

The table includes results for all broad occupation categories (1-digit), and for specific occupations (2-5 digits) if the association for ever vs. never employed was statistically significant ($p < 0.05$).

Results are based on at least 10 subjects (cases + controls)

* $p < 0.05$

Supplementary Table S8. Odds Ratios (OR) and 95% CIs for Industry Stratified by Gender

Industry Title	Male (Case/Controls) (n)	OR (95% CI)	Female (Case/Controls) (n)	OR (95% CI)
A-Agriculture, Forestry and Fishing	69/98	1.30[0.87-1.96]	32/51	1.61[0.92-2.81]
A01-Agriculture	61/78	1.56[1.02-2.40]*	31/45	1.89[1.07-3.34]*
A011-Horticulture and Fruit Growing	19/17	2.06[1.02-4.16]*	17/23	2.08[0.99-4.39]
A0119-Fruit Growing nec	10/6	2.95[1.02-8.52]*	10/7	5.87[1.80-19.08]*
B-Mining	15/11	2.43[1.05-5.58]*	/	-
B14-Other Mining	7/3	5.53[1.36-22.51]*	/	-
C-Manufacturing	93/143	1.04[0.72-1.52]	38/94	0.91[0.55-1.51]
E-Construction	74/86	1.51[1.00-2.26]*	9/14	1.84[0.74-4.56]
E41-General Construction	50/47	1.83[1.14-2.94]*	/	-
E412-Non-Building Construction	15/11	2.42[1.04-5.61]*	/	-
E4121-Road and Bridge Construction	11/6	2.93[1.02-8.40]*	/	-
F-Wholesale Trade	23/52	0.58[0.33-1.02]	9/27	0.88[0.39-1.98]
G-Retail Trade	62/94	1.02[0.68-1.53]	47/99	1.07[0.66-1.75]
G53-Motor Vehicle Retailing and Services	34/38	1.54[0.91-2.61]	13/10	3.49[1.35-8.99]*
G531-Motor Vehicle Retailing	12/6	3.60[1.28-10.16]*	/	-
G5321-Automotive Fuel Retailing	13/7	3.07[1.14-8.23]*	/	-
I-Transport and Storage	44/66	1.17[0.74-1.84]	14/21	1.43[0.68-3.03]
L-Property and Business Services	47/87	0.83[0.53-1.27]	37/85	0.89[0.54-1.47]
N-Education	23/54	0.83[0.47-1.48]	38/106	0.74[0.44-1.26]
O-Health and Community Services	15/31	0.77[0.39-1.54]	47/108	1.01[0.63-1.61]
O8729-Non-Residential Care Services nec	1/0	-	5/6	3.76[1.07-13.26]*
P-Cultural and Recreational Services	22/20	1.90[0.98-3.68]	13/36	0.71[0.35-1.46]
P93-Sport and Recreation	14/8	3.01[1.18-7.70]*	5/19	0.44[0.15-1.29]
P931-Sport	10/4	4.30[1.26-14.75]*	1/10	0.20[0.02-1.65]

OR adjusted for Age, Ethnicity, Highest Education Level, Socioeconomic Deprivation Status and Smoking.

The table includes results for all broad industry categories (1-digit), and for specific industries (2-5 digits) if the association for ever vs. never employed was statistically significant ($p < 0.05$).

Results are based on at least 10 subjects (cases + controls)

* $p < 0.05$