

## Supplementary Material

### Risk of early-onset prostate cancer associated with occupation in the Nordic countries

Kathryn Hughes Barry,<sup>a,b,c</sup> Jan Ivar Martinsen,<sup>d</sup> Michael C.R. Alavanja,<sup>c,1</sup> Gabriella Andreotti,<sup>c</sup> Aaron Blair,<sup>c</sup> Johnni Hansen,<sup>e</sup> Kristina Kjærheim,<sup>d</sup> Stella Koutros,<sup>c</sup> Elsebeth Lynge,<sup>f</sup> Pär Sparèn,<sup>g</sup> Laufey Tryggvadottir,<sup>h,i</sup> Elisabete Weiderpass,<sup>d,g,j,k</sup> Sonja I. Berndt,<sup>c</sup> Eero Pukkala<sup>l,m</sup>

<sup>a</sup>Department of Epidemiology and Public Health, University of Maryland School of Medicine, Baltimore, MD, USA

<sup>b</sup>Program in Oncology, University of Maryland Marlene and Stewart Greenebaum Comprehensive Cancer Center, Baltimore, MD, USA

<sup>c</sup>Occupational and Environmental Epidemiology Branch, Division of Cancer Epidemiology and Genetics, National Cancer Institute, National Institutes of Health, Bethesda, MD, USA

<sup>d</sup>Department of Research, Cancer Registry of Norway - Institute of Population-Based Cancer Research, Oslo, Norway

<sup>e</sup>Danish Cancer Society Research Center, Copenhagen, Denmark

<sup>f</sup>University of Copenhagen, Copenhagen, Denmark

<sup>g</sup>Department of Medical Epidemiology and Biostatistics, Karolinska Institutet, Stockholm, Sweden

<sup>h</sup>Icelandic Cancer Registry, Icelandic Cancer Society, Reykjavik, Iceland

<sup>i</sup>Faculty of Medicine, University of Iceland, Reykjavik, Iceland

<sup>j</sup>Genetic Epidemiology Group, Folkhälsan Research Center, Helsinki, Finland

<sup>k</sup>Department of Community Medicine, Faculty of Health Sciences, University of Tromsø, The Arctic University of Norway, Tromsø, Norway

<sup>l</sup>Finnish Cancer Registry, Institute for Statistical and Epidemiological Cancer Research, Helsinki, Finland

<sup>m</sup>Faculty of Social Sciences, University of Tampere, Tampere, Finland

<sup>1</sup>Present address: Graduate Faculty of Biology, Hood College, Frederick, Maryland, USA

## Table of Contents

Supplementary Table S1. Dates of computerized censuses conducted in the Nordic countries.....	3
Supplementary Table S2. Observed (Obs) prostate cancer cases for men 30-49 years of age in the Nordic countries and standardized incidence ratios (SIR) 1961-2005.....	4
Supplementary Table S3. Observed (Obs) prostate cancer cases for men >50 years of age in the Nordic countries and standardized incidence ratios (SIR) 1961-2005.....	5
Supplementary Table S4. Observed numbers of prostate cancer cases and standardized incidence ratios among men 30-49 years of age and men 50 years or older, respectively, in the five Nordic countries combined, by occupational category and period.....	6

Supplementary Table S1. Dates of computerized censuses conducted in the Nordic countries

Country	Computerized census dates	Notes
Norway	1960, 1970, 1980, 1990	Computerized registration of census data began in 1960; the 1990 census was excluded from the present study because only a sample of the population was included
Sweden	1960, 1970, 1980, 1990	Computerized registration of census data began in 1960
Finland	1970, 1980, 1990	Computerized registration of census data began in 1970
Denmark	1970	Computerized registration of census data began in 1970; starting in 1981, Denmark initiated register-based censuses, which collected less detailed occupational information and were not used in present study
Iceland	1981	Other censuses conducted during the same time period as the other countries were not computerized

Supplementary Table S2. Observed (Obs) prostate cancer cases for men 30-49 years of age in the Nordic countries and standardized incidence ratios (SIR) 1961-2005, red/green denotes significant increase/decrease in risk, expected count shown in square brackets when observed count was zero

No	Occupational category	Denmark		Finland		Iceland		Norway		Sweden		Total		
		Obs	SIR	Obs	SIR	Obs	SIR	Obs	SIR	Obs	SIR	Obs	SIR	95% CI
1	Technical workers, etc	26	1.41	43	1.11	[0.37]	0.00	22	<b>1.72</b>	85	1.08	176	<b>1.18</b>	1.01-1.37
2	Laboratory assistants	[0.35]	0.00	[1.02]	0.00	[0.08]	0.00	1	2.11	3	3.02	4	1.37	0.37-3.51
3	Physicians	4	3.09	[2.21]	0.00	[0.09]	0.00	2	1.49	4	0.78	10	0.99	0.48-1.83
4	Dentists	[0.50]	0.00	1	2.03	[0.03]	0.00	1	1.98	2	1.13	4	1.21	0.33-3.11
5	Nurses	[0.03]	0.00	2	4.79	[0.01]	0.00	[0.22]	0.00	1	0.66	3	1.37	0.28-4.01
6	Assistant nurses	1	2.06	[0.46]	0.00	[0.06]	0.00	1	5.41	4	1.30	6	1.40	0.52-3.06
7	Other health workers	1	0.89	4	1.89	[0.04]	0.00	[0.59]	0.00	2	0.50	7	0.89	0.36-1.83
8	Teachers	7	0.82	6	0.53	[0.43]	0.00	5	0.56	18	0.75	36	<b>0.68</b>	0.48-0.94
9	Religious workers etc	4	1.61	13	1.18	[0.30]	0.00	5	1.20	28	1.00	50	1.09	0.81-1.43
10	Artistic workers	5	<b>5.55</b>	2	0.74	[0.08]	0.00	2	2.08	5	0.93	14	1.40	0.76-2.34
11	Journalists	[0.48]	0.00	[1.23]	0.00	[0.05]	0.00	1	1.87	2	0.73	3	0.59	0.12-1.73
12	Administrators	26	<b>1.60</b>	25	<b>1.60</b>	[0.30]	0.00	11	0.99	28	1.35	90	<b>1.41</b>	1.13-1.73
13	Clerical workers	6	0.70	21	<b>2.25</b>	[0.64]	0.00	5	0.64	20	0.77	52	1.00	0.74-1.31
14	Sales agents	2	0.42	20	1.26	1	4.38	10	1.21	53	1.23	86	1.19	0.95-1.47
15	Shop workers	10	0.64	6	0.74	1	3.05	3	0.67	11	0.87	31	0.76	0.51-1.07
16	Farmers	13	0.61	21	0.91	[0.66]	0.00	7	0.71	21	0.88	62	0.79	0.60-1.01
17	Gardeners	1	0.32	7	1.06	[0.03]	0.00	[3.00]	0.00	8	0.60	16	<b>0.61</b>	0.35-0.99
18	Fishermen	3	1.67	[0.58]	0.00	[1.30]	0.00	3	0.69	2	1.46	8	0.85	0.37-1.68
19	Forestry workers	[0.40]	0.00	4	0.52	[0.01]	0.00	[1.78]	0.00	9	0.92	13	0.66	0.35-1.13
20	Miners and quarry workers	[0.15]	0.00	1	0.69	[0.02]	0.00	1	0.98	1	0.31	3	0.51	0.11-1.49
21	Seamen	5	1.93	1	0.46	[0.22]	0.00	4	0.61	3	0.88	13	0.87	0.46-1.49
22	Transport workers	3	0.90	9	1.59	1	5.24	4	1.57	11	0.96	28	1.21	0.80-1.75
23	Drivers	8	0.57	23	1.00	[0.53]	0.00	11	1.07	35	0.97	77	0.92	0.72-1.14
24	Postal workers	2	0.65	4	0.94	1	19.71	2	1.15	14	1.55	23	1.26	0.80-1.90
25	Textile workers	1	0.59	[1.45]	0.00	[0.09]	0.00	1	1.02	2	0.49	4	0.48	0.13-1.24
26	Shoe and leather workers	[0.35]	0.00	1	1.73	[0.02]	0.00	[0.32]	0.00	2	1.74	3	1.24	0.26-3.63
27	Smelting workers	2	0.33	2	0.76	[0.15]	0.00	2	0.97	5	0.58	11	0.57	0.28-1.01
28	Mechanics	11	0.75	27	0.93	1	1.27	18	1.26	62	0.96	119	0.96	0.80-1.15
29	Plumbers	1	0.68	4	0.89	[0.10]	0.00	2	1.05	11	1.57	18	1.20	0.71-1.90
30	Welders	-	-	9	1.43	1	16.90	1	0.43	12	1.21	23	1.24	0.78-1.86
31	Electrical workers	7	1.64	7	<b>0.46</b>	1	1.78	5	0.75	32	1.18	52	0.97	0.72-1.27
32	Wood workers	7	0.80	15	0.81	[0.33]	0.00	11	1.05	22	0.73	55	0.81	0.61-1.05
33	Painters	1	0.32	1	0.22	[0.12]	0.00	2	1.07	16	1.70	20	1.04	0.64-1.61
34	Other construction workers	9	1.04	11	1.00	1	1.12	4	1.29	12	0.74	37	0.93	0.65-1.28
35	Bricklayers	5	1.50	3	1.37	-	-	1	1.01	1	0.33	10	1.05	0.51-1.94
36	Printers	[2.63]	0.00	2	0.60	[0.12]	0.00	1	0.57	8	1.15	11	0.75	0.37-1.33
37	Chemical process workers	2	1.31	4	1.05	[0.04]	0.00	3	1.40	5	0.70	14	0.95	0.52-1.60
38	Food workers	7	1.15	2	0.71	2	4.02	1	0.36	6	0.83	18	0.93	0.55-1.47
39	Beverage workers	[0.78]	0.00	1	6.98	[0.01]	0.00	[0.12]	0.00	1	2.65	2	1.40	0.17-5.05
40	Tobacco workers	[0.07]	0.00	[0.02]	0.00	[0.00]	0.00	[0.03]	0.00	[0.05]	0.00	[0.17]	0.00	0.00-21.6
41	Glass makers etc	5	1.59	4	0.84	[0.10]	0.00	2	1.07	11	1.23	22	1.17	0.73-1.77
42	Packers	3	1.18	4	0.53	[0.28]	0.00	7	1.72	22	1.48	36	1.23	0.86-1.70
43	Engine operators	4	1.14	9	0.70	[0.50]	0.00	5	1.12	10	0.59	28	0.73	0.49-1.06
44	Public safety workers	[2.47]	0.00	13	1.83	[0.23]	0.00	4	1.82	25	<b>1.99</b>	42	<b>1.71</b>	1.23-2.31
45	Cooks and stewards	1	2.68	1	0.83	[0.19]	0.00	1	0.70	2	0.56	5	0.74	0.24-1.73
46	Domestic assistants	[0.01]	0.00	[0.03]	0.00	[0.00]	0.00	[0.02]	0.00	1	0.91	1	0.86	0.02-4.77
47	Waiters	1	1.43	[1.25]	0.00	[0.03]	0.00	[0.52]	0.00	[1.48]	0.00	1	0.25	0.01-1.40
48	Building caretakers	4	1.56	5	0.93	[0.04]	0.00	1	0.78	9	0.91	19	0.99	0.60-1.55
49	Chimney sweeps	[0.11]	0.00	1	3.09	-	-	[0.11]	0.00	1	1.65	2	1.74	0.21-6.29
50	Hairdressers	1	1.49	1	6.74	[0.02]	0.00	[0.28]	0.00	[1.09]	0.00	2	0.90	0.11-3.27
51	Launderers	[0.33]	0.00	[0.13]	0.00	[0.00]	0.00	[0.15]	0.00	[0.86]	0.00	[1.47]	0.00	0.00-2.50
52	Military personnel	11	<b>4.43</b>	8	<b>2.43</b>	-	-	3	1.42	6	0.95	28	<b>1.97</b>	1.31-2.85
53	Other workers	13	1.21	5	0.78	3	3.59	5	0.71	19	1.19	45	1.10	0.80-1.47
54	Economically inactive	5	0.95	25	0.95	[0.98]	0.00	6	0.97	42	0.85	78	0.89	0.70-1.11
55	All categories	228	1.00	378	1.00	13	1.00	187	1.00	715	1.00	1521	1.00	Ref.

Supplementary Table S3. Observed (Obs) prostate cancer cases for men  $\geq 50$  years of age in the Nordic countries and standardized incidence ratios (SIR) 1961-2005, red/green denotes significant increase/decrease in risk, expected count shown in square brackets when observed count was zero

No	Occupational category	Denmark		Finland		Iceland		Norway		Sweden		Total		
		Obs	SIR	Obs	SIR	Obs	SIR	Obs	SIR	Obs	SIR	Obs	SIR	95% CI
1	Technical workers, etc	2280	<b>1.09</b>	3843	<b>1.17</b>	49	1.17	2351	<b>1.06</b>	17742	<b>1.11</b>	26265	<b>1.11</b>	1.09-1.12
2	Laboratory assistants	41	0.97	82	1.06	8	1.01	117	1.07	81	1.11	329	1.06	0.95-1.18
3	Physicians	213	<b>1.19</b>	240	<b>1.26</b>	23	1.23	330	1.05	767	1.07	1573	<b>1.11</b>	1.06-1.17
4	Dentists	62	1.26	47	1.18	1	0.24	183	<b>1.29</b>	439	<b>1.20</b>	732	<b>1.22</b>	1.13-1.31
5	Nurses	[2.12]	0.00	9	1.23	[0.03]	0.00	11	1.24	25	1.07	45	1.08	0.79-1.44
6	Assistant nurses	43	0.87	8	1.44	2	1.30	54	1.00	209	0.92	316	0.94	0.84-1.05
7	Other health workers	197	<b>1.27</b>	203	1.12	5	1.01	121	1.04	607	1.02	1133	<b>1.08</b>	1.02-1.14
8	Teachers	1016	<b>1.12</b>	1632	<b>1.12</b>	80	1.23	1817	<b>1.09</b>	4467	<b>1.07</b>	9012	<b>1.09</b>	1.07-1.11
9	Religious workers etc	470	<b>1.14</b>	860	<b>1.22</b>	65	<b>1.52</b>	995	<b>1.13</b>	3395	<b>1.13</b>	5785	<b>1.15</b>	1.12-1.18
10	Artistic workers	159	<b>1.26</b>	300	<b>1.13</b>	15	1.26	271	1.05	1031	<b>1.08</b>	1776	<b>1.10</b>	1.05-1.15
11	Journalists	66	1.14	133	1.05	8	1.22	113	1.04	439	1.01	759	1.03	0.96-1.11
12	Administrators	2787	<b>1.13</b>	2826	<b>1.30</b>	137	1.12	3592	<b>1.14</b>	7221	<b>1.16</b>	16563	<b>1.17</b>	1.15-1.19
13	Clerical workers	1095	1.03	1593	<b>1.13</b>	143	1.06	2475	<b>1.06</b>	7099	<b>1.07</b>	12405	<b>1.07</b>	1.05-1.09
14	Sales agents	660	<b>1.20</b>	2131	<b>1.07</b>	84	1.22	3074	<b>1.11</b>	10397	<b>1.09</b>	16346	<b>1.10</b>	1.08-1.12
15	Shop workers	2653	<b>1.05</b>	832	0.99	44	0.97	1032	1.02	3167	1.02	7728	<b>1.03</b>	1.00-1.05
16	Farmers	4707	<b>0.94</b>	10218	0.99	167	<b>0.81</b>	8852	<b>1.04</b>	17017	1.00	40961	1.00	0.99-1.01
17	Gardeners	709	0.99	1196	<b>0.84</b>	6	0.96	1792	<b>0.90</b>	5495	<b>0.89</b>	9198	<b>0.89</b>	0.87-0.91
18	Fishermen	200	0.89	127	0.97	95	1.00	2216	<b>0.88</b>	583	<b>0.89</b>	3221	<b>0.89</b>	0.86-0.92
19	Forestry workers	90	0.84	1237	<b>0.76</b>	[0.98]	0.00	1345	<b>0.89</b>	3830	<b>0.86</b>	6502	<b>0.85</b>	0.82-0.87
20	Miners and quarry workers	27	0.83	251	0.99	[1.67]	0.00	357	0.92	927	<b>0.87</b>	1562	<b>0.89</b>	0.85-0.94
21	Seamen	258	1.12	417	<b>1.20</b>	25	0.85	1856	0.99	1044	<b>1.12</b>	3600	<b>1.05</b>	1.02-1.09
22	Transport workers	507	0.95	1090	1.02	67	1.03	1062	1.02	3378	1.02	6104	1.02	0.99-1.04
23	Drivers	1640	0.96	3285	0.99	74	0.85	2725	1.01	7702	0.99	15426	0.99	0.97-1.00
24	Postal workers	326	1.03	509	1.02	19	1.60	544	0.99	1754	1.02	3152	1.02	0.98-1.06
25	Textile workers	282	<b>0.88</b>	381	1.10	11	<b>0.52</b>	636	1.01	1795	<b>0.91</b>	3105	<b>0.94</b>	0.91-0.98
26	Shoe and leather workers	70	0.86	138	0.93	2	0.43	256	0.96	810	1.05	1276	1.00	0.95-1.06
27	Smelting workers	655	0.97	457	<b>0.90</b>	19	0.67	857	1.06	2797	<b>0.92</b>	4785	<b>0.94</b>	0.92-0.97
28	Mechanics	1768	0.96	3150	0.99	80	1.01	3607	<b>0.96</b>	13668	<b>0.96</b>	22273	<b>0.96</b>	0.95-0.98
29	Plumbers	176	1.10	559	1.06	15	1.11	396	0.94	1628	0.99	2774	1.00	0.96-1.04
30	Welders	-	-	526	<b>1.10</b>	4	0.87	421	<b>0.90</b>	1897	1.02	2848	1.01	0.98-1.05
31	Electrical workers	392	0.95	1296	0.98	38	0.83	1674	1.00	4843	0.99	8243	0.99	0.97-1.01
32	Wood workers	1212	<b>0.94</b>	3321	<b>0.94</b>	44	0.89	4674	0.99	9401	<b>0.97</b>	18652	<b>0.97</b>	0.95-0.98
33	Painters	383	0.92	720	0.99	14	0.69	762	0.99	2742	0.99	4621	0.98	0.95-1.01
34	Other construction workers	1472	<b>0.87</b>	2020	<b>0.92</b>	94	1.01	837	0.95	5125	1.00	9548	<b>0.95</b>	0.93-0.97
35	Bricklayers	482	1.03	376	1.03	-	-	431	0.93	1217	0.96	2506	0.98	0.94-1.02
36	Printers	295	1.03	347	1.09	15	0.98	438	0.98	1500	1.00	2595	1.01	0.98-1.05
37	Chemical process workers	259	0.91	479	<b>0.87</b>	8	0.87	870	<b>0.84</b>	2121	<b>0.93</b>	3737	<b>0.90</b>	0.87-0.92
38	Food workers	869	0.97	380	0.95	69	0.88	1154	0.99	2304	0.97	4776	0.97	0.94-1.00
39	Beverage workers	111	1.00	17	0.63	[1.34]	0.00	8	0.82	123	0.95	259	0.93	0.82-1.05
40	Tobacco workers	22	1.15	4	0.78	[0.11]	0.00	13	0.73	11	1.07	50	0.95	0.71-1.26
41	Glass makers etc	494	0.92	562	1.00	18	1.35	520	0.95	2368	<b>0.93</b>	3962	<b>0.94</b>	0.91-0.97
42	Packers	481	0.98	1151	0.97	40	0.87	1745	1.00	4402	0.97	7819	0.98	0.96-1.00
43	Engine operators	461	0.99	1582	0.99	61	1.09	943	1.02	3706	<b>0.97</b>	6753	0.98	0.96-1.01
44	Public safety workers	509	<b>1.14</b>	1060	<b>1.15</b>	47	1.11	777	1.04	2458	<b>1.10</b>	4851	<b>1.10</b>	1.07-1.14
45	Cooks and stewards	39	1.19	41	0.84	19	1.06	310	1.01	337	0.90	746	0.96	0.89-1.03
46	Domestic assistants	1	2.86	[4.21]	<b>0.00</b>	[0.06]	0.00	2	0.83	16	0.68	19	<b>0.62</b>	0.38-0.98
47	Waiters	74	1.02	50	1.12	2	1.14	149	1.10	212	1.09	487	1.09	0.99-1.19
48	Building caretakers	502	1.03	777	0.99	25	1.20	388	1.02	1750	1.01	3442	1.01	0.98-1.04
49	Chimney sweeps	11	0.94	51	0.93	-	-	40	1.05	135	1.06	237	1.02	0.90-1.16
50	Hairdressers	137	0.99	6	<b>0.40</b>	3	1.12	111	1.00	437	0.95	694	0.95	0.88-1.03
51	Launderers	67	0.99	20	1.26	3	1.51	75	1.12	345	1.05	510	1.06	0.97-1.16
52	Military personnel	229	1.13	317	1.06	-	-	638	1.06	1504	<b>1.11</b>	2688	<b>1.09</b>	1.05-1.13
53	Other workers	1388	0.96	769	<b>0.86</b>	192	1.08	3341	0.98	5383	<b>0.97</b>	11073	<b>0.96</b>	0.95-0.98
54	Economically inactive	1504	<b>0.93</b>	3648	<b>0.81</b>	97	0.86	1233	<b>0.72</b>	6134	<b>0.78</b>	12616	<b>0.80</b>	0.78-0.81
55	All categories	34551	1.00	57274	1.00	2037	1.00	64591	1.00	179985	1.00	338438	1.00	Ref

Supplementary Table S4. Observed numbers of prostate cancer cases and standardized incidence ratios among men 30-49 years of age and men 50 years or older, respectively, in the five Nordic countries combined, by occupational category and period

Occupation <sup>a</sup>	Men 35-49 years of age								Men 50 years of age or older							
	1961-1985				1986-2005				1961-1985				1986-2005			
	Obs <sup>b</sup>	SIR <sup>c</sup>	SIR_lb <sup>c</sup>	SIR_ub <sup>c</sup>	Obs <sup>b</sup>	SIR <sup>c</sup>	SIR_lb <sup>c</sup>	SIR_ub <sup>c</sup>	Obs <sup>b</sup>	SIR <sup>c</sup>	SIR_lb <sup>c</sup>	SIR_ub <sup>c</sup>	Obs <sup>b</sup>	SIR <sup>c</sup>	SIR_lb <sup>c</sup>	SIR_ub <sup>c</sup>
Technical workers, etc	56	1.11	0.84	1.44	120	<b>1.22</b>	<b>1.01</b>	<b>1.46</b>	4512	<b>1.09</b>	<b>1.06</b>	<b>1.12</b>	21753	<b>1.11</b>	<b>1.10</b>	<b>1.13</b>
Laboratory assistants	3	3.79	0.78	11.07	1	0.47	0.01	2.62	34	0.88	0.61	1.22	295	1.09	0.97	1.22
Physicians	6	2.05	0.75	4.47	4	0.56	0.15	1.43	293	1.05	0.94	1.18	1280	<b>1.12</b>	<b>1.06</b>	<b>1.19</b>
Dentists	2	1.57	0.19	5.66	2	0.99	0.12	3.57	162	<b>1.19</b>	<b>1.02</b>	<b>1.39</b>	570	<b>1.23</b>	<b>1.13</b>	<b>1.33</b>
Nurses	[0.08]	0.00	0.00	44.25	3	1.43	0.29	4.17	[1.2]	0.00	0.00	3.16	45	1.11	0.81	1.48
Assistant nurses	2	2.34	0.28	8.45	4	1.17	0.32	3.00	77	0.96	0.75	1.19	239	0.93	0.82	1.06
Other health workers	3	1.36	0.28	3.98	4	0.70	0.19	1.80	236	1.04	0.91	1.18	897	<b>1.09</b>	<b>1.02</b>	<b>1.16</b>
Teachers	13	0.69	0.37	1.17	23	0.68	0.43	1.01	1452	1.04	0.99	1.10	7560	<b>1.10</b>	<b>1.08</b>	<b>1.13</b>
Religious workers etc	9	1.09	0.50	2.07	41	1.09	0.78	1.47	1177	<b>1.11</b>	<b>1.05</b>	<b>1.18</b>	4608	<b>1.16</b>	<b>1.12</b>	<b>1.19</b>
Artistic workers	9	<b>2.85</b>	<b>1.30</b>	<b>5.41</b>	5	0.73	0.24	1.70	373	<b>1.17</b>	<b>1.06</b>	<b>1.30</b>	1403	<b>1.08</b>	<b>1.02</b>	<b>1.14</b>
Journalists	1	0.68	0.02	3.79	2	0.56	0.07	2.02	132	0.87	0.73	1.04	627	1.07	0.99	1.16
Administrators	50	<b>1.72</b>	<b>1.28</b>	<b>2.27</b>	40	1.15	0.82	1.56	3932	<b>1.14</b>	<b>1.11</b>	<b>1.18</b>	12631	<b>1.18</b>	<b>1.16</b>	<b>1.20</b>
Clerical workers	17	0.75	0.44	1.20	35	1.19	0.83	1.65	2943	<b>1.08</b>	<b>1.04</b>	<b>1.12</b>	9462	<b>1.07</b>	<b>1.05</b>	<b>1.09</b>
Sales agents	22	0.89	0.56	1.35	64	<b>1.35</b>	<b>1.04</b>	<b>1.72</b>	3954	<b>1.09</b>	<b>1.06</b>	<b>1.13</b>	12392	<b>1.10</b>	<b>1.08</b>	<b>1.12</b>
Shop workers	17	0.74	0.43	1.19	14	0.77	0.42	1.30	1595	1.03	0.98	1.09	6133	<b>1.03</b>	<b>1.00</b>	<b>1.05</b>
Farmers	35	0.72	0.50	1.01	27	0.88	0.58	1.28	13061	<b>0.96</b>	<b>0.95</b>	<b>0.98</b>	27900	<b>1.01</b>	<b>1.00</b>	<b>1.03</b>
Gardeners	8	0.55	0.24	1.08	8	0.69	0.30	1.36	2776	<b>0.87</b>	<b>0.84</b>	<b>0.91</b>	6422	<b>0.90</b>	<b>0.88</b>	<b>0.92</b>
Fishermen	5	0.91	0.30	2.12	3	0.77	0.16	2.26	1098	<b>0.87</b>	<b>0.82</b>	<b>0.93</b>	2123	<b>0.90</b>	<b>0.86</b>	<b>0.94</b>
Forestry workers	5	0.52	0.17	1.21	8	0.80	0.34	1.57	1943	<b>0.81</b>	<b>0.78</b>	<b>0.85</b>	4559	<b>0.86</b>	<b>0.83</b>	<b>0.89</b>
Miners and quarry workers	2	0.74	0.09	2.68	1	0.32	0.01	1.76	468	0.92	0.84	1.00	1094	<b>0.89</b>	<b>0.83</b>	<b>0.94</b>
Seamen	9	1.14	0.52	2.17	4	0.57	0.15	1.45	897	<b>1.09</b>	<b>1.02</b>	<b>1.16</b>	2703	1.04	1.00	1.08

Transport workers	12	1.06	0.55	1.86	16	1.35	0.77	2.19	1172	1.01	0.96	1.07	4932	1.02	0.99	1.04
Drivers	26	0.73	0.48	1.07	51	1.05	0.78	1.38	3309	<b>1.05</b>	<b>1.01</b>	<b>1.08</b>	12117	<b>0.97</b>	<b>0.96</b>	<b>0.99</b>
Postal workers	8	1.25	0.54	2.46	15	1.27	0.71	2.10	817	1.03	0.96	1.11	2335	1.01	0.97	1.06
Textile workers	3	0.59	0.12	1.72	1	0.31	0.01	1.75	966	0.95	0.89	1.01	2139	<b>0.94</b>	<b>0.90</b>	<b>0.98</b>
Shoe and leather workers	1	0.67	0.02	3.72	2	2.17	0.26	7.84	520	1.06	0.97	1.15	756	0.96	0.90	1.04
Smelting workers	4	<b>0.35</b>	<b>0.10</b>	<b>0.89</b>	7	0.87	0.35	1.80	1537	1.04	0.98	1.09	3248	<b>0.90</b>	<b>0.87</b>	<b>0.94</b>
Mechanics	50	1.05	0.78	1.39	69	0.91	0.71	1.15	4929	0.99	0.96	1.02	17344	<b>0.95</b>	<b>0.94</b>	<b>0.97</b>
Plumbers	4	0.71	0.19	1.83	14	1.50	0.82	2.51	601	1.06	0.98	1.15	2173	0.98	0.94	1.03
Welders	6	1.13	0.42	2.46	17	1.28	0.75	2.05	409	1.00	0.91	1.11	2439	1.01	0.97	1.06
Electrical workers	24	1.42	0.91	2.12	28	0.76	0.50	1.10	1561	0.98	0.93	1.03	6682	0.99	0.96	1.01
Wood workers	23	0.83	0.52	1.24	32	0.80	0.54	1.12	5513	0.97	0.95	1.00	13139	<b>0.96</b>	<b>0.95</b>	<b>0.98</b>
Painters	12	1.43	0.74	2.50	8	0.74	0.32	1.46	1366	1.04	0.98	1.10	3255	<b>0.96</b>	<b>0.93</b>	<b>0.99</b>
Other construction workers	21	1.13	0.70	1.72	16	0.76	0.43	1.23	2729	<b>0.96</b>	<b>0.92</b>	<b>1.00</b>	6819	<b>0.95</b>	<b>0.93</b>	<b>0.97</b>
Bricklayers	7	1.25	0.50	2.57	3	0.77	0.16	2.25	758	1.04	0.96	1.11	1748	0.96	0.91	1.00
Printers	2	0.34	0.04	1.21	9	1.02	0.47	1.94	631	1.06	0.98	1.15	1964	1.00	0.96	1.05
Chemical process workers	10	1.60	0.77	2.93	4	0.48	0.13	1.22	1267	<b>0.94</b>	<b>0.89</b>	<b>0.99</b>	2470	<b>0.87</b>	<b>0.84</b>	<b>0.91</b>
Food workers	10	0.90	0.43	1.66	8	0.97	0.42	1.90	1365	1.01	0.95	1.06	3411	<b>0.96</b>	<b>0.93</b>	<b>0.99</b>
Beverage workers	[0.95]	0.00	0.00	3.87	2	4.19	0.51	15.12	88	1.01	0.81	1.24	171	0.90	0.77	1.04
Tobacco workers	[0.11]	0.00	0.00	34.26	[0.06]	0.00	0.00	58.13	16	0.97	0.55	1.57	34	0.95	0.66	1.32
Glass makers etc	14	1.72	0.94	2.88	8	0.75	0.32	1.48	1090	0.96	0.90	1.02	2872	<b>0.94</b>	<b>0.90</b>	<b>0.97</b>
Packers	11	0.93	0.47	1.67	25	1.43	0.93	2.11	2740	<b>1.05</b>	<b>1.01</b>	<b>1.09</b>	5079	<b>0.94</b>	<b>0.91</b>	<b>0.97</b>
Engine operators	12	0.90	0.47	1.57	16	0.65	0.37	1.05	1504	1.02	0.97	1.08	5249	<b>0.97</b>	<b>0.94</b>	<b>1.00</b>
Public safety workers	11	1.47	0.73	2.63	31	<b>1.81</b>	<b>1.23</b>	<b>2.57</b>	1017	<b>1.08</b>	<b>1.01</b>	<b>1.14</b>	3834	<b>1.11</b>	<b>1.08</b>	<b>1.15</b>
Cooks and stewards	1	0.62	0.02	3.44	4	0.78	0.21	2.00	208	<b>1.19</b>	<b>1.04</b>	<b>1.37</b>	538	<b>0.89</b>	<b>0.81</b>	<b>0.97</b>

Domestic assistants	[0.03]	0.00	0.00	114.65	1	0.88	0.02	4.90	3	0.53	0.11	1.55	16	0.65	0.37	1.05
Waiters	1	0.73	0.02	4.08	[2.6]	0.00	0.00	1.41	123	<b>1.22</b>	<b>1.01</b>	<b>1.45</b>	364	1.05	0.95	1.16
Building caretakers	6	1.13	0.42	2.46	13	0.94	0.50	1.61	1121	<b>1.07</b>	<b>1.01</b>	<b>1.13</b>	2321	0.98	0.94	1.02
Chimney sweeps	[0.44]	0.00	0.00	8.31	2	2.84	0.34	10.26	59	1.12	0.86	1.45	178	0.99	0.85	1.15
Hairdressers	1	0.72	0.02	4.00	1	1.22	0.03	6.82	224	1.05	0.91	1.19	470	<b>0.91</b>	<b>0.83</b>	<b>1.00</b>
Launderers	[0.91]	0.00	0.00	4.06	[0.57]	0.00	0.00	6.52	180	<b>1.31</b>	<b>1.13</b>	<b>1.52</b>	330	0.96	0.86	1.07
Military personnel	16	<b>2.52</b>	<b>1.44</b>	<b>4.09</b>	12	1.53	0.79	2.67	385	<b>1.12</b>	<b>1.01</b>	<b>1.23</b>	2303	<b>1.09</b>	<b>1.04</b>	<b>1.13</b>
Other workers	18	0.85	0.51	1.35	27	1.35	0.89	1.97	4010	1.01	0.98	1.04	7063	<b>0.94</b>	<b>0.92</b>	<b>0.96</b>
Economically inactive	21	1.06	0.65	1.62	57	0.84	0.63	1.09	5912	<b>0.90</b>	<b>0.87</b>	<b>0.92</b>	6704	<b>0.73</b>	<b>0.71</b>	<b>0.74</b>
All categories	609	REF			912	REF			89245	REF			249193	REF		

Abbreviations: Obs, observed case number; SIR, standardized incidence ratio; SIR\_lb and SIR\_ub, lower and upper bounds of 95% confidence interval, respectively

<sup>a</sup>The referent group was all 54 occupational categories combined

<sup>b</sup>Expected count shown in square brackets when observed count was equal to zero

<sup>c</sup>Bolding denotes statistical significance (p<0.05)