

Table DS1 Occupational groupings reported in suicide research, coded under the ISCO 08 framework, with the number of observations by occupation

Aggregate skill level	ISCO major grouping	Description of occupations included in each category
Skill level 1: Occupations that require simple and routine physical or manual tasks	ISCO major grouping 9 - Elementary occupations	Labourers in mining, construction, manufacturing and transport Helpers and cleaners in offices, hotels and other establishments Construction and maintenance workers Cleaners Chimney sweeps Elementary occupations Construction Semiskilled construction workers Unskilled workers Semi-skilled workers
Skill level 2: Occupations that involve the performance of tasks such as operating machinery and electronic equipment; driving vehicles; maintenance and repair of electrical and mechanical equipment; and manipulation, ordering and storage of information	ISCO level 4 - Clerical support workers ISCO level 5 - Service and sales workers ISCO level 6 - Skilled agricultural,	Other office clerks Secretaries Mail carriers and sorting clerks Clerks Sales and customer service occupations Administrative and secretarial occupations Cooks Home-based personal care workers Shop salespersons and demonstrators Institution-based personal care workers Sales and services elementary occupations Personal and protective services workers Wholesale and retail trade Police officers Fire fighters Market-oriented skilled agricultural and fishery workers

	<p>forestry and fishery</p> <p>ISCO level 7 - Craft and related trades workers</p> <p>ISCO 8 - Plant and machine operators, and assemblers</p>	<p>Market-oriented crop and animal producers Forestry workers Farmers, farm workers Hunters and cullers Fisherman</p> <p>Food and related products machine operators Precision, handicraft, printing and related trades workers Craft and related trades workers Plumbers and pipe fitters Machine-tool setters and setter-operators Metal moulders, welders, sheet-metal workers, and related trades workers Bricklayers and stonemasons Blacksmiths, tool-makers and related trades workers Electrical and electronic equipment mechanics and fitters Extraction and building trades workers Motor vehicle mechanics and fitters Painters and related workers Craft and related trades workers Skilled trades occupations Electrical Worker Carpenters Skilled, technical, supervisory Welder Glass or woodworkers Electrician</p> <p>Machine operators and assemblers Drivers and mobile-plant operators Motor-vehicle drivers</p>
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		<ul style="list-style-type: none"> Plant and machine operators and assemblers Deck crew- merchant seaman Catering crew - seafarer Other jobs- seafarer Gallery crew - seafarer Machine operators and assemblers Transportation, communications, and public utilities Merchant shipping Miner (metal)
<p><u>Skill level 3:</u> Occupations that involve the performance of complex technical and practical tasks that require an extensive body of factual, technical and procedural knowledge in a specialised field (ISCO major group 3)</p>	ISCO level 3 - Technicians and associate professionals	<ul style="list-style-type: none"> Life science and health associate professionals Administrative associate professionals Finance and sales associate professionals Physical and engineering science Other associate professionals Deck officers - merchant seaman Engine officers - merchant seaman Technicians and associated professionals Business and repair services Associate professionals and technical occupations
<p><u>Skill level 4:</u> Typically involve the performance of tasks which require complex problem solving and decision making based on an extensive body of theoretical and factual knowledge in a specialised field (ISCO major group 1 and 2)</p>	<p>ISCO level 1 - Managers</p> <p>ISCO level 2 - Professionals</p>	<ul style="list-style-type: none"> General managers General managers of business services Corporate managers General managers in wholesale and retail trade Managers and senior officials Business professionals Architects, engineers and related professionals Experts Public administration Finance, insurance and real estate professionals

		Professionals occupations Pharmacists Nurses Doctors Veterinarians Dentists Artists School personnel working primary and secondary Chemist Photographer
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Table DS2 Description of studies on occupation and suicide included in the meta-analysis

Study	Design	Location	Gender	Adjusted for socioeconomic factors	Time period	Number of observations (occupations reported)	ISCO 2008 major categories ^a reported on	Comparison group	Effect measure
Agerbo <i>et al</i> , 2007 ²⁷	Cohort	Denmark	All persons	No	1991–2007	53 observations, multiple occupations	1, 2, 3, 4 5, 6, 7, 8, 9, 0	Living control Reference category is education professionals	RRs
Andersen <i>et al</i> , 2010 ⁴²	Case–control (information obtained from retrospective mortality databases)	Queensland, Australia	Male and female	No	1990–2006	12 observations, multiple occupations	2, 6, 8, 9	Suicide rate in the employed population	RRs

Baris <i>et al</i> , 1996 ³¹	Occupational cohort	Canada, Quebec	Male	No	1970–1988	1 observation, electrician	7	Male working-age general population	SMR
Brandt <i>et al</i> , 1994 ³²	Occupational cohort	Denmark	Male	No	1970–1985	4 observations, seafarer (crewman and engineer officer)	3, 8	Mortality rate in the male employed population	RRs
Browning <i>et al</i> , 2008 ⁸	Case–control (information obtained from retrospective mortality databases)	USA	Male	No	1990–1998	3 observations, farming	6	Suicide rate in total working-age male population	RRs
Fear & Williamson, 2003 ⁴³	Case–control (information obtained from retrospective mortality databases)	UK	Male	No	1984–2002	1 observation, military	0	Suicide rate in civilian population	RRs
Frank <i>et al</i> , 2000 ⁴⁴	Case–control (information obtained from retrospective mortality databases)	USA	Male	No	1984–1995	1 observation, medical doctors	2	The proportion of suicides in all male professionals	PMR
Hansen & Jensen, 1998 ³³	Occupational cohort	UK	Females	No	1986–1993	4 observations, seafarers	8	General female population	SMR

Hytten & Weisaeth, 1989 ⁴⁵	Case-control (information obtained from retrospective mortality databases)	Norway	Male	No	1977–1984	1 observation, military	0	Suicide rate in civilian population	RRs
Jansson <i>et al</i> , 2012 ³⁴	Occupational cohort	Sweden	Male	No	1952–2006	1 observation, chimney sweeps	9	General working-age male population	SMR
Järholm <i>et al</i> , 2002 ³⁵	Occupational cohort	Sweden	Male	No	1971–1997	2 observations, electricians and glass/ woodworkers	7	General male working-age population	SMR
Kim <i>et al</i> , 2006 ⁴⁶	Case-control (information obtained from retrospective mortality databases)	Korea	Male and female	Yes	1999–2001	19 observations, multiple	2, 3, 4, 5, 6, 7, 8, 9, 0	Suicides among legislators, senior officials and managers	OR
King <i>et al</i> , 1994 ⁴⁷	Case-control (information obtained from retrospective mortality databases)	Canada	Female	Yes	1950–1984	1 observation, nurses and teachers	2	General working-age female population	SMR
Kposowa, 1999 ²⁸	Cohort	USA	All persons	Yes	1979–1989	10 observations, multiple	2, 5, 6, 8, 9	Reference group are those	Risk ratio

								in financial services	
Liu & Waterbor, 1994 ⁴⁸	Case-control (information obtained from retrospective mortality databases)	USA, Alabama	All persons	No	1984–1996	10 observations, multiple	2, 5, 6, 8, 9	Suicide rate in public administration	RRs
Mahon <i>et al</i> , 2005 ³⁶	Occupational cohort	Ireland	Male	No	1970–2002	1 observation, military	0	Suicide rate in the working-age male population	RRs
Meltzer <i>et al</i> , 2008 ⁴⁹	Case-control (information obtained from retrospective mortality databases)	UK and Wales	Male and female	No	2001–2005	18 observations, multiple	2, 3, 4, 5, 7, 8	General working-age population	SMR
Miller & Beaumont, 1995 ⁵⁰	Case-control (information obtained from retrospective mortality databases)	USA	Male and female	No	2001–2005	2 observations, vets	2	General working-age population	SMR
Mustard <i>et al</i> , 2010 ²⁹	Cohort	Canada	Male and female	No	1991 – 2001	10 observations, multiple	1, 2, 7, 9	Suicide rate in all occupations	RRs

Notkola <i>et al</i> , 1993 ³⁰	Cohort	Finland	All persons	Yes	1970–1985	4 observations, forestry, farmers, construction	6, 9	Living population control Reference group is suicide in all occupations except those of interest	RRs
Olsen & Sabroe, 1979 ³⁷	Occupational cohort	Denmark	All persons	No	1971–1975	1 observation, carpenters/cabinet makers	7	General population	SMR
Ponteva, 1983 ³⁸	Occupational cohort	Finland	Male	No	1977–1984	1 observation, military	0	Suicide rate in civilian population	RRs
Rafnsson & Gunnarsdóttir 1993 ³⁹	Occupational cohort	Iceland	Male	No	1958–1986	1 observation, seafarer	8	General population	SMR
Robinson <i>et al</i> , 1999 ⁴⁰	Occupational cohort	USA	All persons	No	1982–1987	1 observation, electrical workers	7	The proportion of suicides in the working-age employed population	PMR
Sentell <i>et al</i> , 1997 ⁵¹	Case–control (information obtained from retrospective mortality databases)	USA	Male and female	No	1980–1992	1 observation, military	0	Suicide rate in civilian population	RRs

Skegg <i>et al</i> , 2010 ⁵²	Case-control (information obtained from retrospective mortality databases)	New Zealand	Male and female	No	1973–2004	18 observations, multiple	2, 5, 6, 0	General working-age population	SMR
Stack, 1996 ⁵³	Case-control (information obtained from retrospective mortality databases)	USA	All persons	Yes	1999	1 observation, artists	2	Reference group all occupations except artists	OR
Stack, 1999 ⁵⁴	Case-control (information obtained from retrospective mortality databases)	USA	All persons	Yes	1990	1 observation, carpenters	7	Reference group all occupations except carpenters	OR
Tanaka <i>et al</i> , 2001 ⁴¹	Occupational cohort	Japan	Male and female	No	1992–1996	6 observations, school personnel	2	General working-age population, all workers, peer group	SMR
Van Wijngaarden, 2003 ⁵⁵	Case-control (information obtained from	USA	Male and female	Yes	1991 and 1992	21 observations, multiple	2, 5, 6, 7, 8, 9, 0	Deceased control (other causes of death)	OR

	retrospective mortality databases)							Reference were occupations at lower risk of suicide including: clerk, engineer, entertainer, legal worker, manager, salesman, surveyor, teacher, and writer	
Vena <i>et al</i> , 1986 ¹¹	Occupational cohort	USA	Male	No	1950–1979	1 observation, police	5	Death in all other municipal employees	RRs
Violanti, 2010 ¹⁰	Case–control (information obtained from retrospective mortality databases)	USA	Male and female	No	1950–1990	11 observations, police and military	5, 0	The proportion of suicides in the working-age general population	PRM
Violanti <i>et al</i> , 1996 ⁹	Case–control (information obtained from retrospective mortality databases)	USA	All persons	No	1950–1979	1 observation, police	5	Death in all other municipal employees	RRs

Wong <i>et al</i> , 2001 ⁵⁶	Case-control (information obtained from retrospective mortality databases)	Canada	Male	No	1990– 1995	1 observation, military	0	Suicide rate in civilian population	RRs
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RRs, rate ratios; SMR, standardised mortality ratios; PRM, proportionate mortality ratios; ; OR, odds ratio.

a. ISCO 2008 major categories: 0: military; 1: managers, senior officials and legislators; 2: professionals; 3: technicians and associate professionals; 4: clerks; 5: service and sales workers; 6: skilled agricultural and fishery workers; 7: craft and related trades workers; 8: plant and machine operators, and assemblers; 9: elementary occupations.

Table DS3 Results of meta-analysis for studies classified under ISCO 2008 major category 0, with original occupational coding, gender, and location of study

Study	Occupation	Gender	Country	RR	Lower CI	Upper CI	% weight
Agerbo et al., 2007 ²⁷	Armed forces	all persons	Denmark	0.51	0.24	1.08	0.39
Fear & Williamson, 2003 ⁴³	Military service	all persons	UK	2.1	1.834	2.37	0.54
Hytten & Weisaeth, 1989 ⁴⁵	Military service	all persons	Norway	0.52	0.47	0.58	0.54
Kim et al., 2006 ⁴⁶	Military service	females	Korea	1.98	0.54	7.33	0.25
Kim et al., 2006 ⁴⁶	Military service	males	Korea	2.53	1.72	3.73	0.49
Mahon et al., 2005 ³⁶	Military service	all persons	Ireland	0.87	0.78	0.90	0.54
Ponteva, 1983 ³⁸	Military service	all persons	Finland	0.29	0.27	0.31	0.54
Sentell et al., 1997 ⁵¹	Military service	males	US	0.56	0.52	0.59	0.54
Sentell et al., 1997 ⁵¹	Military service	females	US	0.92	0.69	1.16	0.52
Van Wijngaarden 2003 ⁵⁵	Armed forces	males	USA	1.2	1.1	1.4	0.54
Van Wijngaarden 2003 ⁵⁵	Armed forces	females	USA	1.9	0.9	4.1	0.39
Violanti 2010 ¹⁰	Military	males - Caucasian	USA	1.1	1.05	1.14	0.54
Violanti 2010 ¹⁰	Military	males – African Amer.	USA	1.75	1.51	2.01	0.54
Violanti 2010 ¹⁰	Military	females – Caucasian	USA	1.78	1.33	2.34	0.51
Violanti 2010 ¹⁰	Military	females – African Amer.	USA	1.89	0.69	4.11	0.35
Wong et al., 2001 ⁵⁶	Military service	all persons	Canada	0.47	0.35	0.58	0.52
Pooled RR				1.011	0.745	1.373	

Table DS4 Results of meta-analysis for studies classified under ISCO 2008 major category 1, with original occupational coding, gender, and location of study.

Study	Occupation	Gender	Country	RR	Lower CI	Upper CI	% weight
Agerbo et al., 2007 ²⁷	General managers in wholesale and retail trade	all persons	Denmark	1.24	0.82	1.87	11.81
Agerbo et al., 2007 ²⁷	Corporate managers	all persons	Denmark	0.67	0.44	1.01	11.77
Agerbo et al., 2007 ²⁷	General managers of business services	all persons	Denmark	1.45	0.86	2.45	10.47
Agerbo et al., 2007 ²⁷	General managers	all persons	Denmark	0.98	0.62	1.55	11.26
Meltzer et al., 2008 ⁴⁹	Managers and senior officials	males	UK Wales	0.37	0.36	0.38	14.9
Mustard et al., 2010 ²⁹	Managerial	males	Canada	0.65	0.56	0.76	14.39
Meltzer et al., 2008 ⁴⁹	Managers and senior officials	females	UK Wales	0.37	0.31	0.43	14.32
Mustard et al., 2010 ²⁹	Managerial	females	Canada	0.64	0.4	1.03	11.08
Pooled RR				0.679	0.498	0.926	

Table DS5 Results of meta-analysis for studies classified under ISCO 2008 major category 2, with original occupational coding, gender, and location of study

Study	Occupation	Gender	Country	RR	Lower CI	Upper CI	% weight
Agerbo et al., 2007 ²⁷	Nursing associate professionals	all persons	Denmark	2.04	1.34	3.11	2.15
Agerbo et al., 2007 ²⁷	Teaching professionals	all persons	Denmark	0.99	0.63	1.53	2.13
Agerbo et al., 2007 ²⁷	Business professionals	all persons	Denmark	0.93	0.56	1.53	2.06
Agerbo et al., 2007 ²⁷	Medical doctors	all persons	Denmark	2.73	1.77	4.22	2.14
Agerbo et al., 2007 ²⁷	Professionals	all persons	Denmark	0.89	0.57	1.4	2.12
Agerbo et al., 2007 ²⁷	Pre-primary education teaching associate professionals	all persons	Denmark	1.49	0.97	2.29	2.14
Agerbo et al., 2007 ²⁷	Other professionals	all persons	Denmark	0.66	1.5	2.17	
Agerbo et al., 2007 ²⁷	Architects, engineers and related professionals	all persons	Denmark	0.44	0.27	0.72	2.07
Kposowa, 1999 ²⁸	Public administration	all persons	USA	2.04	0.79	5.22	1.48
Kposowa, 1999 ²⁸	Professional and related services	all persons	USA	2.92	1.25	6.82	1.6
Liu & Waterbor, 1994 ⁴⁸	finance, insurance and real estate	all persons	Alabama	2.3	1.7	3.1	2.28
Stack 1996 ²⁹	Artists	all persons	USA	2.25	1.64	2.86	2.3
Andersen et al., 2010 ⁴²	Artists	males	Qld, Aust	0.97	0.68	1.39	2.23
Andersen et al., 2010 ⁴²	Education prof	males	Qld, Aust	0.79	0.6	1.04	2.31
Andersen et al., 2010 ⁴²	Nurses	males	Qld, Aust	1.43	0.81	2.51	1.97
Frank et al., 2000 ⁴⁴	Doctors	males	USA	1.7	1.53	1.88	2.41
Kim et al., 2006 ⁴⁶	Experts	males	Korea	1.03	0.69	1.54	2.18
Meltzer et al., 2008 ⁴⁹	Professionals occupations	males	UK Wales	0.48	0.44	0.51	2.42
Miller & Beaumont, 1995 ⁵⁰	Veterinarians	males	USA	2.5	1.84	3.38	2.28
Skegg et al., 2010 ⁵²	Doctors	males	NZ	0.6	0.4	0.9	2.17
Skegg et al., 2010 ⁵²	Pharmacists	males	NZ	0.7	0.3	1.4	1.7
Skegg et al., 2010 ⁵²	Dentists	males	NZ	0.5	0.1	1.2	1.15
Skegg et al., 2010 ⁵²	nurses	males	NZ	1.7	1.2	2.5	2.22

Tanaka et al., 2001 ⁴⁷	School personnel working primary and secondary (compared to general employees in same industry)	males	Japan	0.68	0.49	0.91	2.27
Tanaka et al., 2001 ⁴¹	School personnel working primary and secondary (general employed population)	males	Japan	0.49	0.36	0.66	2.28
Tanaka et al., 2001 ⁴¹	School personnel working primary and secondary (compared to general pop)	males	Japan	0.36	0.26	0.48	2.28
Mustard et al., 2010 ²⁹	Professionals	males	Canada	0.71	0.61	0.82	2.39
Van Wijngaarden 2003 ⁵⁵	Dentist	males	USA	1.8	0.9	3.3	1.86
Van Wijngaarden 2003 ⁵⁵	Painter	males	USA	1.1	0.9	1.3	2.37
Van Wijngaarden 2003 ⁵⁵	Photographer	males	USA	1.4	0.8	2.2	2.05
Van Wijngaarden 2003 ⁵⁵	Chemist	males	USA	1.4	1	2	2.24
Andersen et al., 2010 ⁴²	Nurses	females	Qld, Australia	2.37	1.71	3.28	2.26
Andersen et al., 2010 ⁴²	Education prof	females	Qld, Australia	0.66	0.42	1.02	2.13
Andersen et al., 2010 ⁴²	Artists	females	Qld, Australia	2.49	1.33	4.67	1.89
Kim et al., 2006 ⁴⁶	Experts	females	Korea	1.24	0.36	4.24	1.16
Kim et al., 2006 ⁴⁶	Nurses	females	Colombia	1.5	1.17	1.93	2.33
Meltzer et al., 2008 ⁴⁹	Professionals occupations	females	UK Wales	0.63	0.55	0.71	2.4
Miller & Beaumont, 1995 ⁵⁰	Veterinarians	females	UK Wales	5.89	3.02	11.48	1.84
Skegg et al., 2010 ⁵²	Nurses	females	NZ	1.3	1	1.6	2.34
Skegg et al., 2010 ⁵²	Doctors	females	NZ	0.4	0.1	1.6	1.02
Skegg et al., 2010 ⁵²	Veterinarians	females	NZ	3.2	0.4	11.4	0.8
Skegg et al., 2010 ⁵²	Pharmacists	females	NZ	2.5	0.8	5.9	1.41
Tanaka et al., 2001 ⁴¹	School personnel working primary and secondary (compared to general pop)	females	Japan	0.42	0.25	0.67	2.07
Tanaka et al., 2001 ⁴¹	School personnel working primary and	females	Japan	0.73	0.43	1.16	2.06

	secondary (general employed population)						
Tanaka et al., 2001 ⁴¹	School personnel working primary and secondary (general employees in same industry)	females	Japan	0.91	0.54	1.45	2.07
Mustard et al., 2010 ²⁹	Professionals	females	Canada	0.87	0.67	1.12	2.32
Van Wijngaarden 2003 ⁵⁵	Painter	females	USA	1.8	1	3.1	1.97
Van Wijngaarden 2003 ⁵⁵	Chemist	females	USA	2	0.8	5.4	1.46
Van Wijngaarden 2003 ⁵⁵	Dentist	females	USA	1.6	0.8	3.4	1.76
Van Wijngaarden 2003 ⁵⁵	Photographer	females	USA	1.5	0.5	4.5	1.3
Pooled RR				1.163	0.968	1.396	

Table DS6 Results of meta-analysis for studies classified under ISCO 2008 major category 3, with original occupational coding, gender, and location of study

Study	Occupation	Gender	Country	RR	Lower CI	Upper CI	% weight
Agerbo et al., 2007 ²⁷	Finance and sales associate professionals	all persons	Denmark	0.59	0.38	0.91	8.07
Agerbo et al., 2007 ²⁷	Other associate professionals	all persons	Denmark	1.17	0.74	1.84	7.88
Agerbo et al., 2007 ²⁷	Life science and health associate professionals	all persons	Denmark	1.41	0.89	2.23	7.84
Agerbo et al., 2007 ²⁷	Physical and engineering science technicians	all persons	Denmark	0.99	0.67	1.47	8.53
Agerbo et al., 2007 ²⁷	Administrative associate professionals	all persons	Denmark	0.96	0.62	1.49	8.06
Agerbo et al., 2007 ²⁷	Physical and engineering science associate prof.	all persons	Denmark	1.08	0.68	1.73	7.76
Agerbo et al., 2007 ²⁷	Technicians and associate professionals	all persons	Denmark	0.7	0.42	1.19	7.21
Kposowa, 1999 ²⁸	Business and repair services	all persons	USA	4.2	1.72	10.25	4.25
Brandt et al., 1994 ³²	Engine officers - merchant seaman	males	Denmark	1.87	1.42	2.47	9.72
Brandt et al., 1994 ³²	Deck officers - merchant seaman	males	Denmark	1.02	0.66	1.56	8.14
Kim et al., 2006 ⁴⁶	Technicians and associated professionals	males	Korea	1.3	0.9	1.87	8.82
Kim et al., 2006 ⁴⁶	Technicians and associated professionals	females	Korea	1.47	0.42	5.11	2.66
Meltzer et al., 2008 ⁴⁹	Associate professionals and technical occupations	females	UK Wales	0.79	0.71	0.86	11.05
Pooled RR				1.109	0.878	1.401	

Table DS7 Results of meta-analysis for studies classified under ISCO 2008 major category 4, with original occupational coding, gender, and location of study

Study	Occupation	Gender	Country	RR	Lower CI	Upper CI	% weight
Agerbo et al., 2007 ²⁷	Clerks	all persons	Denmark	1.04	0.73	1.48	9.26
Agerbo et al., 2007 ²⁷	Secretaries	all persons	Denmark	0.97	0.65	1.46	8.34
Agerbo et al., 2007 ²⁷	Other office clerks	all persons	Denmark	1.31	0.9	1.89	8.94
Agerbo et al., 2007 ²⁷	Mail carriers and sorting clerks	all persons	Denmark	1.25	0.8	1.97	7.58
Kim et al., 2006 ⁴⁶	Clerks	males	Korea	1.29	0.91	1.83	9.34
Meltzer et al., 2008 ⁴⁹	Sales and customer service occupations	males	UK Wales	0.61	0.54	0.68	13.58
Meltzer et al., 2008 ⁴⁹	Administrative and secretarial occupations	males	UK Wales	0.56	0.52	0.61	13.99
Kim et al., 2006 ⁴⁶	Clerks	females	Korea	1.26	0.38	4.18	1.95
Meltzer et al., 2008 ⁴⁹	Sales and customer service occupations	females	UK Wales	0.47	0.41	0.54	13.27
Meltzer et al., 2008 ⁴⁹	Administrative and secretarial occupations	females	UK Wales	0.56	0.52	0.61	13.99
Pooled RR				0.769	0.642	0.921	

Table DS8 Results of meta-analysis for studies classified under ISCO 2008 major category 5, with original occupational coding, gender, and location of study

Study	Occupation	Gender	Country	RR	Lower CI	Upper CI	% weight
Agerbo et al., 2007 ²⁷	Institution-based personal care workers	all persons	Denmark	1.39	0.99	1.96	4.19
Agerbo et al., 2007 ²⁷	Sales and services elementary occupations	all persons	Denmark	1.45	0.9	2.33	3.63
Agerbo et al., 2007 ²⁷	Home-based personal care workers	all persons	Denmark	1.27	0.77	2.11	3.51
Agerbo et al., 2007 ²⁷	Shop salespersons and demonstrators	all persons	Denmark	0.79	0.51	1.22	3.8
Agerbo et al., 2007 ²⁷	Cooks	all persons	Denmark	1.72	1.03	2.88	3.47
Agerbo et al., 2007 ²⁷	Personal and protective services workers	all persons	Denmark	0.93	0.63	1.37	4
Kposowa, 1999 ²⁸	Personal services	all persons	USA	2.93	1.15	7.46	2.03
Kposowa, 1999 ²⁸	Wholesale and retail trade	all persons	USA	2.71	1.17	6.25	2.3
Liu & Waterbor, 1994 ⁴⁸	Services	all persons	Alabama	3.1	2.5	3.8	4.66
Liu & Waterbor, 1994 ⁴⁸	Wholesale trade	all persons	Alabama	1.8	1.3	2.5	4.24
Liu & Waterbor, 1994 ⁴⁸	Retail trade	all persons	Alabama	3.1	2.5	3.9	4.62
Vena et al., 1986 ¹¹	Police	all persons	USA	0.94	0.47	1.69	2.97
Violanti et al., 1996 ⁹	Police	all persons	USA	1.53	0.633	3.72	2.17
Kim et al., 2006 ⁴⁶	Service workers and shop and/or market workers	males	Korea	1.68	1.19	2.36	4.18
Meltzer et al., 2008 ⁴⁹	Personal service occupations	males	UK Wales	1.04	0.92	1.16	4.89
Skegg et al., 2010 ⁵²	Police	males	NZ	0.3	0.1	0.4	2.78
Violanti 2010 ¹⁰	Fire fighters	males	USA	1.03	0.91	1.16	4.88
Violanti 2010 ¹⁰	Police	males	USA	1.2	1.13	1.28	4.97
Violanti 2010 ¹⁰	Police	males	USA	2.03	1.61	2.52	4.62
Violanti 2010 ¹⁰	Fire fighters	males	USA	2.28	1.35	2.6	4.24
Van Wijngaarden 2003 ⁵⁵	Police	males	USA	1.3	1.1	1.6	4.73
Kim et al., 2006 ⁴⁶	Service workers and shop and/or market workers;	females	Korea	2.78	0.85	9.09	1.5
Meltzer et al., 2008 ⁴⁹	Personal service occupations	females	UK Wales	0.76	0.69	0.84	4.92

Violanti 2010 ¹⁰	Fire fighters	females	USA	2.43	0.79	5.67	1.91
Violanti 2010 ¹⁰	Police	females	USA	4.15	2.07	7.42	2.98
Violanti 2010 ¹⁰	Police	females	USA	2.06	1.57	2.65	4.49
Van Wijngaarden 2003 ⁵⁵	Police	females	USA	1.7	1	3	3.33
Pooled RR				1.517	1.276	1.804	

Table DS9 Results of meta-analysis for studies classified under ISCO 2008 major category 6, with original occupational coding, gender, and location of study

Study	Occupation	Gender	Country	RR	Lower CI	Upper CI	% weight
Kposowa, 1999 ²⁸	Agriculture, forestry, and fisheries	all persons	USA	2.56	1.03	6.38	3.96
Liu & Waterbor, 1994 ⁴⁸	Farming	all persons	Alabama	5.90	4.60	7.50	5.56
Liu & Waterbor, 1994 ⁴⁸	Agriculture services, forestry and fisheries	all persons	Alabama	7.30	4.90	10.90	5.28
Notkola et al., 1993 ³⁰	Farmers/forestry workers	all persons	Finland	1.15	0.91	1.46	5.57
Notkola et al., 1993 ³⁰	Forestry workers	all persons	Finland	2.10	1.85	2.38	5.69
Agerbo et al., 2007 ²⁷	Market-oriented crop and animal prod.	all persons	Denmark	1.17	0.78	1.73	5.29
Agerbo et al., 2007 ²⁷	Market-oriented skilled agri. and fish work	all persons	Denmark	1.59	1.02	2.47	5.19
Andersen et al., 2010 ⁴²	Agriculture	males	Qld	1.94	1.69	2.24	5.68
Browning et al., 2008 ⁸	Farmers	males	Kentucky	1.81	1.75	1.87	5.73
Browning et al., 2008 ⁸	Farmers	males	South Carolina	0.40	0.38	0.41	5.73
Browning et al., 2008 ⁸	Farmers	males	North Carolina	0.81	0.78	0.83	5.74
Kim et al., 2006 ⁴⁶	Agricultural, forestry and fishery workers	males	Korea	2.18	1.56	3.07	5.4
Skegg et al., 2010 ⁵²	Farmers, farm workers	males	NZ	1.00	0.90	1.10	5.71
Skegg et al., 2010 ⁵²	Hunters and cullers	males	NZ	3.00	1.70	4.80	5.01
Van Wijngaarden 2003 ⁵⁵	Fisherman	males	USA	1.50	1.00	2.40	5.2
Van Wijngaarden 2003 ⁵⁵	Logger	males	USA	1.70	1.30	2.30	5.5
Kim et al., 2006 ⁴⁶	Agricultural, forestry and fishery workers	females	Korea	3.19	0.98	10.39	3.28
Skegg et al., 2010 ⁵²	Farmers, farm workers	females	NZ	0.50	0.40	0.70	5.51
Andersen et al., 2010 ⁴²	Agriculture	females	Qld	1.49	0.84	2.46	4.97
Pooled RR				1.643	1.185	2.278	

Table DS10 Results of meta-analysis for studies classified under ISCO 2008 major category 7, with original occupational coding, gender, and location of study

Study	Occupation	Gender	Country	RR	Lower CI	Upper CI	% weight
Agerbo et al., 2007 ²⁷	Extraction and building trades workers	all persons	Denmark	0.94	0.58	1.52	2.82
Agerbo et al., 2007 ²⁷	Metal moulders, welders, sheet-metal workers, and related trades workers	all persons	Denmark	1.32	0.81	2.14	2.8
Agerbo et al., 2007 ²⁷	Motor vehicle mechanics and fitters	all persons	Denmark	1	0.64	1.56	3.04
Agerbo et al., 2007 ²⁷	Precision, handicraft, printing and related trades	all persons	Denmark	1.24	0.75	2.06	2.68
Agerbo et al., 2007 ²⁷	Craft and related trades workers	all persons	Denmark	1.13	0.77	1.65	3.54
Agerbo et al., 2007 ²⁷	Blacksmiths, tool-makers and related trades	all persons	Denmark	1.22	0.78	1.9	3.07
Agerbo et al., 2007 ²⁷	Bricklayers and stonemasons	all persons	Denmark	1.76	1.09	2.84	2.82
Agerbo et al., 2007 ²⁷	Plumbers and pipe fitters	all persons	Denmark	1.52	0.91	2.54	2.61
Agerbo et al., 2007 ²⁷	Carpenters and joiners	all persons	Denmark	1.49	1.02	2.18	3.52
Agerbo et al., 2007 ²⁷	Machine-tool setters and setter-operators	all persons	Denmark	1.34	0.86	2.08	3.09
Agerbo et al., 2007 ²⁷	Electrical and elec. equip. mechanics and fitters	all persons	Denmark	1.24	0.81	1.89	3.22
Agerbo et al., 2007 ²⁷	Food and related products machine operators	all persons	Denmark	1.15	0.69	1.89	2.69
Agerbo et al., 2007 ²⁷	Painters and related workers	all persons	Denmark	1.73	1.07	2.79	2.84
Baris et al., 1996 ³¹	Electricians (blue collar) workers	all persons	Quebec	1.72	0.82	3.59	1.61
Olsen & Sabroe, 1979 ³⁷	Carpenters	all persons	Denmark	0.48	0.28	0.83	2.46
Robinson et al., 1999 ⁴⁰	Electrical Worker	all persons	USA	1.13	1.04	1.24	5.9
Stack 1999 ⁵⁴	Carpenters	all persons	USA	1.15	0.983	1.346	5.45
Kim et al., 2006 ⁴⁶	Craft and related trades workers;	males	Korea	1.87	1.32	2.64	3.82
Mustard et al., 2010 ²⁹	Skilled, technical, supervisory workers	males	Canada	1	0.94	1.07	6.01
Van Wijngaarden 2003 ⁵⁵	Welder	males	USA	1.5	1.2	1.7	5.34
Van Wijngaarden 2003 ⁵⁵	Electrician	males	USA	1.5	1.2	1.7	5.34
Järvholm et al., 2002 ³⁵	Electrical and electronic trades workers	males	Sweden	0.58	0.47	0.71	5.07
Järvholm et al., 2002 ³⁵	Craft and related trades workers	males	Sweden	0.81	0.72	0.91	5.76

Kim et al., 2006 ⁴⁶	Craft and related trades workers;	females	Korea	2.4	0.69	8.4	0.68
Meltzer et al., 2008 ⁴⁹	Skilled trades occupations	females	UK Wales	0.79	0.63	0.97	4.95
Mustard et al., 2010 ²⁹	skilled, technical, supervisory	females	Canada	0.84	0.7	1.02	5.19
Van Wijngaarden 2003 ⁵⁵	Electrician	females	USA	1.1	0.7	1.7	3.05
Van Wijngaarden 2003 ⁵⁵	Welder	females	USA	0.6	0.1	4.9	0.3
Pooled RR				1.126	1.009	1.257	

Table DS11 Results of meta-analysis for studies classified under ISCO 2008 major category 8, with original occupational coding, gender, and location of study

Study	Occupation	Gender	Country	RR	Lower CI	Upper CI	% weight
Agerbo et al., 2007 ²⁷	Machine operators and assemblers	all persons	Denmark	1.38	0.95	2.01	6.44
Agerbo et al., 2007 ²⁷	Drivers and mobile-plant operators	all persons	Denmark	1.75	1.14	2.69	6.31
Agerbo et al., 2007 ²⁷	Motor-vehicle drivers	all persons	Denmark	1.35	0.95	1.94	6.48
Agerbo et al., 2007 ²⁷	Plant and machine operators and assemblers	all persons	Denmark	1.84	1.22	2.76	6.36
Kposowa, 1999 ²⁸	Transportation, communications, and public utilities	all persons	USA	2.3	0.94	5.22	5.08
Liu & Waterbor, 1994 ⁴⁸	Transportation, public utilities	all persons	Alabama	6.5	5.1	8.2	6.69
Rafnsson & Gunnarsdóttir, 1993 ³⁹	Merchant shipping	all persons	Iceland	1.81	1.24	2.54	6.47
Hansen & Jensen, 1998 ³³	Other jobs- seafarer	females	UK	5.66	0.69	20.64	2.88
Hansen & Jensen, 1998 ³³	Gallery crew - seafarers	females	UK	2.99	0.36	10.78	2.88
Hansen & Jensen, 1998 ³³	Catering crew - seafarer	females	UK	1.78	0.58	4.15	4.69
Hansen & Jensen, 1998 ³³	Total - seafarer	females	UK	2.35	1.07	4.45	5.53
Kim et al., 2006 ⁴⁶	Machine operators and assemblers	females	Korea	2.2	0.4	11.99	2.88
Meltzer et al., 2008 ⁴⁹	Process, plant and machine operatives	females	UK Wales	0.55	0.44	0.67	6.73
Andersen et al., 2010 ⁴²	Transport	males	Qld	1.23	1.04	1.44	6.79
Brandt et al., 1994 ³²	Deck crew- merchant seaman	males	Denmark	0.98	0.6	1.58	6.18
Brandt et al., 1994 ³²	Engine crew - merchant seaman	males	Denmark	1.31	0.57	2.84	5.25
Kim et al., 2006 ⁴⁶	Machine operators and assemblers	males	Korea	2.04	1.42	2.94	6.46
Van Wijngaarden 2003 ⁵⁵	Metal miner	males	USA	2.2	1.2	3.9	5.89
Pooled RR				1.783	1.221	2.602	

Table DS12 Results of meta-analysis for studies classified under ISCO 2008 major category 9, with original occupational coding, gender, and location of study

Study	Occupation	Gender	Country	RR	Lower CI	Upper CI	% weight
Agerbo et al., 2007 ²⁷	Construction and maintenance workers	all persons	Denmark	1.63	0.98	2.7	3.78
Agerbo et al., 2007 ²⁷	Helpers and cleaners in offices, hotels and other establishments	all persons	Denmark	1.35	0.93	1.97	4.1
Agerbo et al., 2007 ²⁷	Labourers in mining, construction, manufacturing	all persons	Denmark	1.18	0.75	1.86	3.91
Agerbo et al., 2007 ²⁷	Largely unskilled manual workers, for example domestic and related helpers, cleaners, launderers and manufacturing labourers	all persons	Denmark	1.99	1.47	2.68	4.26
Jansson et al., 2012 ³⁴	Chimney sweeps	all persons	Sweden	1.35	1.09	1.67	4.41
Kposowa, 1999 ²⁸	Agriculture, forestry, and fisheries	all persons	USA	2.59	1.08	6.19	2.81
Kposowa, 1999 ²⁸	Construction	all persons	USA	2.62	1.14	6.01	2.92
Kposowa, 1999 ²⁸	Manufacturing	all persons	USA	4.39	1.59	12.13	2.47
Liu & Waterbor, 1994 ⁴⁸	Farming	all persons	Alabama	4.6	3.8	5.6	4.44
Liu & Waterbor, 1994 ⁴⁸	Manufacturing	all persons	Alabama	11.7	9.5	14.5	4.42
Liu & Waterbor, 1994 ⁴⁸	Mining	all persons	Alabama	10.6	7.6	15	4.18
Notkola et al., 1993 ³⁰	Semiskilled construction workers	all persons	Finland	2.07	1.82	2.35	4.52
Notkola et al., 1993 ³⁰	Skilled construction workers	all persons	Finland	1.05	0.93	1.18	4.53
Andersen et al., 2010 ⁴²	Cleaners	females	Qld	1.43	0.92	2.21	3.95
Kim et al., 2006 ⁴⁶	Elementary occupations;	females	Korea	2.81	0.84	9.47	2.07
Meltzer et al., 2008 ⁴⁹	Elementary occupations	females	UK Wales	0.62	0.55	0.68	4.54
Mustard et al., 2010 ²⁹	Semi-skilled	females	Canada	1.17	1.05	1.32	4.53
Mustard et al., 2010 ²⁹	Unskilled	females	Canada	1.32	1.04	1.68	4.37
Van Wijngaarden 2003 ⁵⁵	Construction worker	females	USA	1.5	0.7	3.2	3.1
Andersen et al., 2010 ⁴²	Cleaners	males	Qld	1.3	1	1.7	4.33
Andersen et al., 2010 ⁴²	Construction	males	Qld	1.14	1.01	1.28	4.53

Kim et al., 2006 ⁴⁶	Elementary occupations;	males	Korea	2.31	1.64	3.27	4.17
Mustard et al., 2010 ²⁹	Semi-skilled	males	Canada	1.19	1.1	1.28	4.56
Mustard et al., 2010 ²⁹	Unskilled	males	Canada	1.44	1.28	1.61	4.53
Van Wijngaarden 2003 ⁵⁵	Construction worker	males	USA	1.2	1.1	1.3	4.55
Pooled RR				1.844	1.457	2.334	

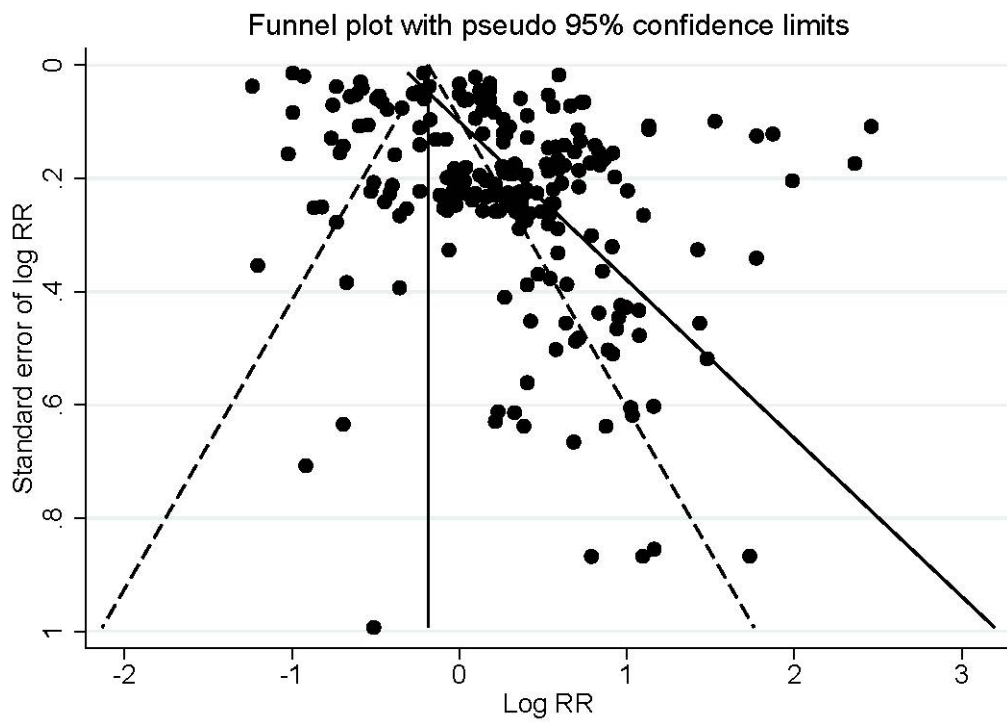


Fig. DS1 Funnel plot.