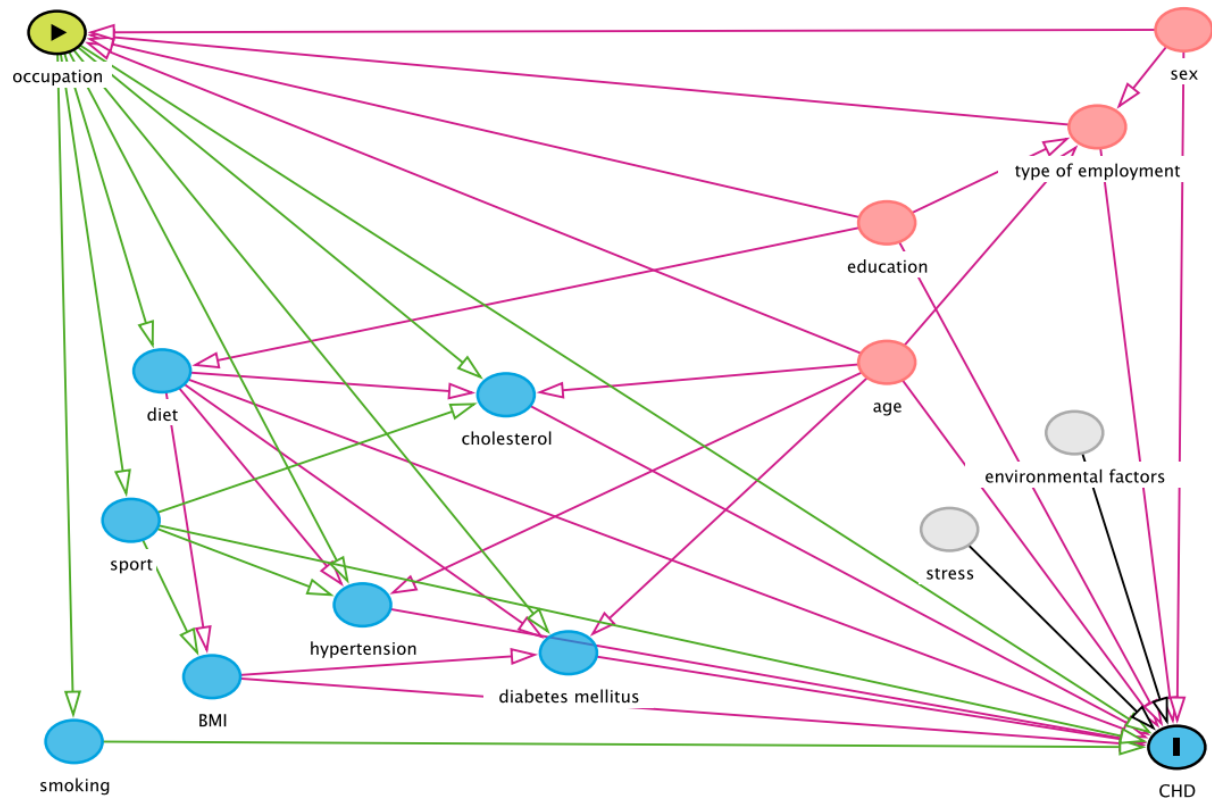


Supplementary materials

Additional figure 1: Directed acyclic graph containing potentially relevant covariates retrieved from the literature



CHD: Coronary Heart Disease

Additional table 1: Association of occupations and coronary heart disease stratified by type of employment (n = 7,704)

ISCO-08 3-digit occupational code and description	Currently employed (n = 4,894) ¹			Currently unemployed (n = 2,810) ¹		
	n / cases	OR	95% CI	n / cases	OR	95% CI
2 Professionals (<i>reference</i>)*	1,521 40	1	-	762 44	1	-
112 Managing Directors and Chief Executives	- -	-	-	82 10	2.3	(1.0 - 4.5)
121 Business Services and Administration Managers	- -	-	-	55 8	2.8	(1.2 - 6.0))
311 Physical and Engineering Science Technicians	- -	-	-	91 12	2.5	(1.2 - 4.8)
432 Material Recording and Transport Clerks	- -	-	-	53 8	2.9	(1.2 - 6.2)
721 Sheet and Structural Metal Workers, Moulders and Welders and Related Workers	- -	-	-	10 3	7.0	(1.5 - 26.1)
742 Electronics and Telecommunications Installers and Repairers	25 3	5.0	(1.2 - 15.3)	21 4	3.8	(1.1 - 10.9)
832 Car, Van and Motorcycle Drivers	42 4	3.9	(1.1 - 10.3)	12 3	5.4	(1.2 - 19.0)

Note: Only groups with statistically significant associations are shown.

Abbreviations: CI, Confidence Interval; ISCO-08, International Standard Classification of Occupations 2008; OR, Odds Ratio

* Reference category includes all participants of ISCO-08 1-digit code 2: Professionals

¹ Adjusted by sex, type of employment, education, age.

Additional table 2: Association of occupational exposure groups and coronary heart disease stratified by type of employment (n = 7,704)

Occupational exposure group	Currently employed (n = 4,894) ¹		Currently unemployed (n = 2,810) ¹	
	OR	95% CI	OR	95% CI
Autonomy	1.05	(0.94 - 1.18)	1.10	(1.00 - 1.20)
Work Intensity	0.99	(0.93 - 1.06)	0.97	(0.92 - 1.03)
Physical Demands	0.99	(0.84 - 1.16)	0.92	(0.81 - 1.03)
Environmental Demands	1.12	(0.96 - 1.30)	1.20	(1.05 - 1.36)
Working Time Location	0.97	(0.88 - 1.06)	1.00	(0.92 - 1.08)

Note: Statistically significant values in bold.

Abbreviations: CI, Confidence Interval; OR, Odds Ratio

¹ Adjusted by sex, type of employment, education, age.

Additional table 3: Association of occupations and coronary heart disease in participants who have worked at least five years in stated occupation (n=6,518)

ISCO-08 3-digit occupational code and description	n / cases	Crude model		Minimally adjusted model ^{1,**}		Fully adjusted Model ^{2,**}	
		OR	95% CI	OR	95% CI	OR	95% CI
2 Professionals (<i>reference</i>)*	2,032 71	1	-	1	-	1	-
112 Managing Directors and Chief Executives	217 15	2.05 (1.11 - 3.55)		1.54 (0.85 - 2.79)		1.54 (0.83 - 2.84)	
121 Business Services and Administration Managers	121 8	1.96 (0.85 - 3.93)		1.42 (0.65 - 3.11)		1.31 (0.59 - 2.92)	
132 Manufacturing, Mining, Construction and Distribution Managers	59 5	2.56 (0.87 - 6.02)		1.89 (0.71 - 5.06)		1.92 (0.68 - 5.46)	
134 Professional Services Managers	94 3	0.91 (0.22 - 2.51)		0.88 (0.26 - 2.92)		0.79 (0.23 - 2.70)	
311 Physical and Engineering Science Technicians	174 14	2.42 (1.28 - 4.26)		2.34 (1.25 - 4.37)		2.02 (1.06 - 3.84)	
312 Mining, Manufacturing and Construction Supervisors	92 4	1.26 (0.38 - 3.12)		0.88 (0.31 - 2.51)		0.87 (0.30 - 2.54)	
322 Nursing and Midwifery Associate Professionals	147 3	0.58 (0.14 - 1.57)		1.55 (0.46 - 5.24)		1.18 (0.34 - 4.03)	
325 Other Health Associate Professionals	82 5	1.79 (0.62 - 4.16)		4.16 (1.50 - 11.49)		4.47 (1.58 - 12.63)	
331 Financial and Mathematical Associate Professionals	198 8	1.16 (0.51 - 2.31)		1.90 (0.86 - 4.19)		1.95 (0.87 - 4.37)	
332 Sales and Purchasing Agents and Brokers	90 5	1.62 (0.56 - 3.75)		1.45 (0.55 - 3.83)		1.20 (0.45 - 3.21)	
333 Business Services Agents	92 3	0.93 (0.22 - 2.56)		1.15 (0.34 - 3.86)		1.12 (0.33 - 3.81)	
334 Administrative and Specialized Secretaries	286 6	0.59 (0.23 - 1.27)		0.98 (0.41 - 2.37)		0.99 (0.41 - 2.43)	
335 Government Regulatory Associate Professionals	161 8	1.44 (0.63 - 2.88)		1.38 (0.63 - 3.01)		1.26 (0.57 - 2.81)	
343 Artistic Cultural and Culinary Associate Professionals	47 3	1.88 (0.45 - 5.32)		2.57 (0.73 - 8.96)		2.71 (0.75 - 9.85)	
411 General Office Clerks	227 14	1.82 (0.97 - 3.18)		2.53 (1.31 - 4.89)		2.37 (1.21 - 4.64)	
412 Secretaries (general)	312 14	1.30 (0.69 - 2.26)		2.88 (1.48 - 5.62)		2.62 (1.32 - 5.21)	
431 Numerical Clerks	145 7	1.40 (0.58 - 2.90)		2.16 (0.91 - 5.09)		1.92 (0.80 - 4.61)	
432 Material Recording and Transport Clerks	134 12	2.72 (1.37 - 4.97)		2.65 (1.31 - 5.36)		2.45 (1.19 - 5.05)	
441 Other Clerical Support Workers	107 5	1.35 (0.47 - 3.11)		2.29 (0.85 - 6.15)		1.88 (0.69 - 5.15)	
514 Hairdressers, Beauticians and Related Workers	31 4	4.09 (1.19 - 10.81)		8.24 (2.52 - 26.95)		7.21 (2.03 - 25.59)	
522 Shop Salespersons	277 12	1.25 (0.64 - 2.25)		1.41 (0.72 - 2.77)		1.33 (0.67 - 2.65)	
712 Building Finishers and Related Trades Workers	40 4	3.07 (0.90 - 7.93)		2.26 (0.74 - 6.90)		1.48 (0.46 - 4.73)	
741 Electrical Equipment Installers and Repairers	48 6	3.95 (1.47 - 8.93)		3.17 (1.23 - 8.17)		3.26 (1.22 - 8.75)	
742 Electronics and Telecommunications Installers and Repairers	43 7	5.37 (2.13 - 11.8)		3.46 (1.39 - 8.64)		3.35 (1.29 - 8.65)	
754 Other Craft and Related Workers	15 3	6.90 (1.55 - 22.32)		9.33 (2.21 - 39.42)		8.46 (1.58 - 45.42)	
832 Car, Van and Motorcycle Drivers	37 4	3.35 (0.98 - 8.70)		2.64 (0.86 - 8.14)		2.13 (0.67 - 6.80)	
833 Heavy Truck and Bus Drivers	53 3	1.66 (0.40 - 4.65)		1.80 (0.52 - 6.21)		1.36 (0.38 - 4.79)	

911 Domestic, Hotel and Office Cleaners and Helpers	44	5	3.54 (1.19 - 8.49)	9.51 (3.16 - 28.56)	6.17 (1.87 - 20.37)
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Note: Groups with less than 10 participants and/or less than 3 CHD cases are not displayed. Statistically significant values in bold.

Abbreviations: CI, Confidence Interval; ISCO-08, International Standard Classification of Occupations 2008; OR, Odds Ratio

* Reference category includes all participants of ISCO-08 1-digit code 2: Professionals

** Imputed covariates via multiple imputations with chained equations (MICEs)

¹ Adjusted by sex, type of employment, education, age

² Adjusted by sex, type of employment, education, age, dietary pattern, sport, unfavorable cholesterol, hypertension, BMI, diabetes mellitus, smoking

Additional table 4: Association of occupational exposure groups and coronary heart disease in participants who have worked at least five years in stated occupation (n=6,518)

Occupational exposure group	Crude model		Minimally adjusted model ^{1,*}		Fully adjusted model ^{2,*}	
	OR	95% CI	OR	95% CI	OR	95% CI
Autonomy	1.11	(1.02 - 1.19)	1.04	(0.96 - 1.12)	1.03	(0.95 - 1.12)
Work Intensity	0.97	(0.93 - 1.02)	1.00	(0.95 - 1.05)	1.00	(0.95 - 1.05)
Physical Demands	0.99	(0.88 - 1.10)	1.02	(0.91 - 0.94)	1.04	(0.93 - 1.17)
Environmental Demands	1.15	(1.03 - 1.28)	1.05	(0.94 - 1.17)	1.01	(0.90 - 1.13)
Working Time Location	0.97	(0.91 - 1.04)	0.97	(0.91 - 1.04)	0.96	(0.90 - 1.03)

Note: Statistically significant values in bold.

Abbreviations: CI, Confidence Interval; OR, Odds Ratio

¹ Adjusted by sex, type of employment, education, age

² Adjusted by sex, type of employment, education, age, dietary pattern, sport, unfavorable cholesterol, hypertension, BMI, diabetes mellitus, smoking

* Imputed covariates via multiple imputations with chained equations (MICEs)