

**Supplementary data 2: Job-exposure matrix for physical work load, based on the International Standard Classification of Occupations (ISCO-08)**

Title of paper: Occupational cold exposure is associated with neck pain, low back pain, and lumbar radiculopathy

Authors: Albin Stjernbrandt, Erlend Hoftun Farbu

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Code	Occupational title	Physical work load
0	Armed forces occupations	
01	Commissioned armed forces officers	High
02	Non-commissioned armed forces officers	High
03	Armed forces occupations, other ranks	High
1	Managers	
11	Chief executives, senior officials and legislators	Low
12	Administrative and commercial managers	Low
13	Production and specialized services managers	Low
14	Hospitality, retail and other services managers	Low
15	Health care and community services managers	Low
16	Banking, financial and insurance services managers	Low
17	Other services managers	Low
2	Professionals	
21	Science and engineering professionals	Low
22	Health professionals	Low
23	Teaching professionals	Low
24	Business and administration professionals	Low
25	Information and communications technology professionals	Low
26	Legal, social and cultural professionals	Low
3	Technicians and associate professionals	
31	Science and engineering associate professionals	Low
32	Health associate professionals	Low
33	Business and administration associate professionals	Low
34	Legal, social, cultural and related associate professionals	Low
35	Information and communications technicians	Low
4	Clerical support workers	
41	General and keyboard clerks	Low
42	Customer services clerks	Low
43	Numerical and material recording clerks	Medium
44	Other clerical support workers	Low
5	Services and sales workers	

51	Personal services workers	Medium
52	Sales workers	Medium
53	Personal care workers	High
54	Protective services workers	Medium
6	Skilled agricultural, forestry and fishery workers	
61	Market-oriented skilled agricultural workers	High
62	Market-oriented skilled forestry, fishery and hunting workers	High
63	Subsistence farmers, fishers, hunters and gatherers	High
7	Craft and related trades workers	
71	Building and related trades workers (excluding electricians)	High
72	Metal, machinery and related trades workers	High
73	Handicraft and printing workers	Medium
74	Electrical and electronic trades workers	High
75	Woodworking, garment trades workers	Medium
76	Food processing and other craft and related trades workers	High
8	Plant and machine operators and assemblers	
81	Stationary plant and machine operators	Medium
82	Assemblers	High
83	Drivers and mobile plant operators	Medium
9	Elementary occupations	
91	Cleaners and helpers	High
92	Agricultural, forestry and fishery laborers	High
93	Laborers in mining, construction, manufacturing and transport	Medium
94	Food preparation assistants	Medium
95	Street and related sales and services workers	Medium
96	Refuse workers and other elementary workers	High
10	Others	
100	Sick leave	Not coded
101	Parental leave	Not coded
102	Unemployed	Not coded
103	Students	Low
104	Pensioners	Not coded
105	Self-employed	Medium