

Supplementary table S1. Associations between potential risk factors and sickness absence due to a shoulder lesion. Adjusted hazard ratios (HR) with 95% confidence intervals (CI) and population attributable fractions (PAF).

	Model 1									Model 2	
	All (n=3672)			Men (n=1783)			Women (n=1889)			All	
	HR ¹	95% CI	PAF	HR ²	95% CI	PAF	HR ²	95% CI	PAF	HR ³	95% CI
Age (at baseline)											
30-39 years	1.00			1.00			1.00			1.00	
40-49 years	2.29⁴	1.71-3.08		2.02	1.29-3.16		2.50	1.69-3.69		2.06	1.26-2.77
50-62 years	4.57	3.02-6.91		5.35	2.98-9.60		3.82	2.12-6.86		3.54	2.31-5.41
Gender											
Men	0.33 ²	0.72-1.19		NA			NA			0.66	0.50-0.87
Women	1.00			NA			NA			1.00	
Education											
Low	3.07	2.00-4.73		4.38	2.38-8.08		2.06	1.07-3.98		-	-
Middle	2.57	1.92-3.43		2.48	1.56-3.97		2.65	1.83-3.84		-	-
High	1.00			1.00			1.00			-	
BMI (kg/m²)			0.19								
Normal (< 25)	1.00			1.00			1.00			1.00	
Overweight (25.0-29.9)	1.36	1.02-1.82		1.38	0.87-2.19		1.44	0.99-2.08		1.33	0.99-1.78
Obese (≥ 30)	1.49	1.05-2.10		2.10	1.25-3.54	0.28	1.09	0.67-1.76		1.37	0.96-1.94
Chronic disease											
No	1.00			1.00			1.00				
Yes	1.41	1.09-1.83	0.13	1.26	0.85-1.88		1.52	1.08-2.14	0.17	1.24	0.94-1.61
Leisure time physical activity											
Little or irregular	1.00			1.00			1.00			-	
Regular	0.79	0.59-1.06		0.92	0.60-1.40		0.69	0.47-1.03		-	-
Daily smoking											
No	1.00			1.00			1.00			1.00	
Yes	1.80	1.39-2.34	0.18	1.58	1.07-2.33	0.16	1.99	1.40-2.82	0.18	1.66	1.27-2.17
Psychological distress (GHQ-12)											

No or mild	1.00			1.00			1.00			1.00	
At least moderate	1.22	0.88-1.68		0.98	0.57-1.68		1.38	0.92-2.07		0.94	0.67-1.34
Insomnia-related symptoms			0.15			0.12			0.17		
No or rare	1.00			1.00			1.00			1.00	
Occasional or frequent	1.60	1.22-2.08		1.52	1.00-2.30		1.66	1.17-2.35		1.58	1.18-2.11
Cumulative exposure to physically heavy work											
< 1 year	1.00			1.00			1.00			1.00	
1-10 years	0.97	0.61-1.54		1.24	0.67-2.32		0.69	0.33-1.45		0.76	0.43-1.34
> 10 years	2.66	2.03-3.49	0.27	2.33	1.53-3.55	0.24	2.99	2.11-4.23	0.28	1.71	1.19-2.47
Cumulative exposure to manual handling of heavy loads											
< 1 year	1.00			1.00			1.00			1.00	
1-10 years	1.38	0.94-2.03		1.34	0.77-2.34		1.41	0.83-2.40		1.26	0.78-2.06
> 10 years	2.18	1.63-2.92	0.09	1.99	1.31-3.01	0.10	2.40	1.59-3.63	0.07	1.08	0.75-1.55
Cumulative exposure to work with hands above shoulder level											
< 1 year	1.00			1.00			1.00			1.00	
1-10 years	1.13	0.75-1.71		1.45	0.81-2.58		0.94	0.51-1.72		0.88	0.54-1.44
> 10 years	2.26	1.72-2.98	0.14	2.74	1.81-4.14	0.24	1.93	1.33-2.82	0.07	1.29	0.93-1.80
Cumulative exposure to forceful hand movements											
< 1 year	1.00			1.00			1.00			1.00	
1-10 years	1.34	0.87-2.08		1.72	0.90-3.26		1.15	0.61-2.15		1.30	0.74-2.29
> 10 years	2.98	2.25-3.94	0.26	3.51	2.25-5.47	0.42	2.70	1.83-3.96	0.14	1.79	1.22-2.63
Cumulative exposure to forward bent posture											
< 1 year	1.00			1.00			1.00			1.00	
1-10 years	1.07	0.69-1.66		1.31	0.72-2.37		0.89	0.46-1.73		0.93	0.55-1.60
> 10 years	1.93	1.48-2.52	0.14	2.12	1.40-3.20	0.19	1.81	1.27-2.57	0.11	0.92	0.66-1.29

¹ HRs are adjusted for age and gender. ² HRs are adjusted for age. ³ HRs are adjusted for all variables in the table, except education and leisure time physical activity. ⁴ HRs are adjusted for gender.