

**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 <sup>1</sup>	95% CI	PAF	HR <sup>2</sup>	95% CI	PAF	HR <sup>2</sup>	95% CI	PAF	HR <sup>3</sup>	95% CI
<b>Age (at baseline)</b>											
30-39 years	1.00			1.00			1.00			1.00	
40-49 years	<b>2.29<sup>4</sup></b>	<b>1.71-3.08</b>		<b>2.02</b>	<b>1.29-3.16</b>		<b>2.50</b>	<b>1.69-3.69</b>		<b>2.06</b>	<b>1.26-2.77</b>
50-62 years	<b>4.57</b>	<b>3.02-6.91</b>		<b>5.35</b>	<b>2.98-9.60</b>		<b>3.82</b>	<b>2.12-6.86</b>		<b>3.54</b>	<b>2.31-5.41</b>
<b>Gender</b>											
Men	0.33 <sup>2</sup>	0.72-1.19		NA			NA			<b>0.66</b>	<b>0.50-0.87</b>
Women	1.00			NA			NA			1.00	
<b>Education</b>											
Low	<b>3.07</b>	<b>2.00-4.73</b>		<b>4.38</b>	<b>2.38-8.08</b>		<b>2.06</b>	<b>1.07-3.98</b>		-	-
Middle	<b>2.57</b>	<b>1.92-3.43</b>		<b>2.48</b>	<b>1.56-3.97</b>		<b>2.65</b>	<b>1.83-3.84</b>		-	-
High	1.00			1.00			1.00			-	
<b>BMI (kg/m<sup>2</sup>)</b>			0.19								
Normal (< 25)	1.00			1.00			1.00			1.00	
Overweight (25.0-29.9)	<b>1.36</b>	<b>1.02-1.82</b>		1.38	0.87-2.19		1.44	0.99-2.08		1.33	0.99-1.78
Obese (≥ 30)	<b>1.49</b>	<b>1.05-2.10</b>		<b>2.10</b>	<b>1.25-3.54</b>	0.28	1.09	0.67-1.76		1.37	0.96-1.94
<b>Chronic disease</b>											
No	1.00			1.00			1.00				
Yes	<b>1.41</b>	<b>1.09-1.83</b>	0.13	1.26	0.85-1.88		<b>1.52</b>	<b>1.08-2.14</b>	0.17	1.24	0.94-1.61
<b>Leisure time physical activity</b>											
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		-	-
<b>Daily smoking</b>											
No	1.00			1.00			1.00			1.00	
Yes	<b>1.80</b>	<b>1.39-2.34</b>	0.18	<b>1.58</b>	<b>1.07-2.33</b>	0.16	<b>1.99</b>	<b>1.40-2.82</b>	0.18	<b>1.66</b>	<b>1.27-2.17</b>
<b>Psychological distress (GHQ-12)</b>											

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
<b>Insomnia-related symptoms</b>			0.15			0.12			0.17		
No or rare	1.00			1.00			1.00			1.00	
Occasional or frequent	<b>1.60</b>	<b>1.22-2.08</b>		<b>1.52</b>	<b>1.00-2.30</b>		<b>1.66</b>	<b>1.17-2.35</b>		<b>1.58</b>	<b>1.18-2.11</b>
<b>Cumulative exposure to physically heavy work</b>											
< 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	<b>2.66</b>	<b>2.03-3.49</b>	0.27	<b>2.33</b>	<b>1.53-3.55</b>	0.24	<b>2.99</b>	<b>2.11-4.23</b>	0.28	<b>1.71</b>	<b>1.19-2.47</b>
<b>Cumulative exposure to manual handling of heavy loads</b>											
< 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	<b>2.18</b>	<b>1.63-2.92</b>	0.09	<b>1.99</b>	<b>1.31-3.01</b>	0.10	<b>2.40</b>	<b>1.59-3.63</b>	0.07	1.08	0.75-1.55
<b>Cumulative exposure to work with hands above shoulder level</b>											
< 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	<b>2.26</b>	<b>1.72-2.98</b>	0.14	<b>2.74</b>	<b>1.81-4.14</b>	0.24	<b>1.93</b>	<b>1.33-2.82</b>	0.07	1.29	0.93-1.80
<b>Cumulative exposure to forceful hand movements</b>											
< 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	<b>2.98</b>	<b>2.25-3.94</b>	0.26	<b>3.51</b>	<b>2.25-5.47</b>	0.42	<b>2.70</b>	<b>1.83-3.96</b>	0.14	<b>1.79</b>	<b>1.22-2.63</b>
<b>Cumulative exposure to forward bent posture</b>											
< 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	<b>1.93</b>	<b>1.48-2.52</b>	0.14	<b>2.12</b>	<b>1.40-3.20</b>	0.19	<b>1.81</b>	<b>1.27-2.57</b>	0.11	0.92	0.66-1.29

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