

Appendix table 1. Hazard ratios with 95% confidence intervals for the risk of disability retirement according to the length and diagnosis of sickness absence in different occupational classes in men.

	Length of sickness absence										Interaction p-value from the Wald test ¹
	0	1-30		31-60		61-180		over 180			
	HR	HR	CI	HR	CI	HR	CI	HR	CI		
<i>All diagnoses</i>											
Upper non-manual	1	2.61	2.31-2.95	3.43	2.98-3.93	6.35	5.60-7.21	9.19	7.40-11.40		
Lower non-manual	1	2.16	1.97-2.37	2.96	2.66-3.29	3.97	3.59-4.39	6.02	5.16-7.02	p<0.001	
Manual worker	1	1.84	1.76-1.93	2.40	2.29-2.53	3.03	2.89-3.18	3.51	3.23-3.81	p<0.001	
Self-employed	1	2.12	1.90-2.37	2.64	2.36-2.96	3.63	3.29-4.00	5.19	4.49-6.01	p<0.001	
Outside employment	1	1.49	1.37-1.63	1.82	1.67-1.99	2.41	2.25-2.59	3.35	3.12-3.59	p<0.001	
<i>Musculoskeletal diseases</i>											
Upper non-manual	1	2.73	2.17-3.44	3.47	2.68-4.50	4.94	3.87-6.32	7.28	4.22-12.55		
Lower non-manual	1	2.75	2.40-3.14	2.95	2.50-3.49	3.51	2.96-4.17	6.02	4.70-7.70	p<0.001	
Manual worker	1	2.03	1.92-2.15	2.67	2.49-2.86	2.87	2.68-3.08	3.23	2.88-3.63	p<0.001	
Self-employed	1	2.49	2.10-2.96	2.91	2.42-3.50	3.94	3.38-4.58	5.58	4.45-7.00	p<0.001	
Outside employment	1	1.55	1.33-1.80	1.71	1.44-2.02	2.18	1.89-2.52	2.73	2.39-3.13	p<0.001	
<i>Mental and behavioural disorders</i>											
Upper non-manual	1	4.02	3.16-5.11	4.48	3.38-5.92	8.80	6.99-11.09	9.74	7.10-13.37		
Lower non-manual	1	2.73	2.20-3.37	4.32	3.47-5.37	5.03	4.06-6.24	6.55	4.90-8.76	p<0.001	
Manual worker	1	2.04	1.78-2.32	2.97	2.57-3.44	3.69	3.17-4.29	3.15	2.44-4.06	p<0.001	
Self-employed	1	3.25	2.27-4.65	3.48	2.52-4.81	5.16	4.04-6.58	5.19	3.60-7.48	p<0.001	
Outside employment	1	1.65	1.38-1.97	2.28	1.94-2.69	3.14	2.77-3.57	3.49	3.11-3.92	p<0.001	
<i>Other diagnoses</i>											
Upper non-manual	1	2.19	1.89-2.54	2.69	2.23-3.25	5.05	4.21-6.06	6.89	4.78-9.93		
Lower non-manual	1	1.85	1.64-2.08	2.21	1.90-2.57	3.00	2.58-3.50	4.34	3.34-5.63	p<0.001	
Manual worker	1	1.63	1.54-1.73	1.99	1.86-2.14	2.38	2.21-2.57	3.11	2.73-3.54	p<0.001	
Self-employed	1	1.96	1.71-2.23	2.26	1.96-2.61	2.76	2.39-3.18	4.02	3.19-5.06	p<0.001	
Outside employment	1	1.49	1.34-1.66	1.62	1.44-1.82	2.01	1.81-2.22	3.13	2.80-3.49	p<0.001	

Adjusted for socio-demographic variables. ¹ Wald test for the interaction term between occupational class and length of sickness absence on disability retirement.

Appendix table 2. Hazard ratios with 95% confidence intervals for the risk of disability retirement according to the length and diagnosis of sickness absence in different occupational classes in women.

	Length of sickness absence										Interaction p-value from the Wald test ¹
	0		1-30		31-60		61-180		over 180		
	HR	HR	CI	HR	CI	HR	CI	HR	CI		
<i>All diagnoses</i>											
Upper non-manual	1	2.36	2.15-2.60	2.93	2.62-3.26	4.93	4.42-5.49	7.26	6.16-8.57		
Lower non-manual	1	2.27	2.18-2.37	2.76	2.64-2.90	4.04	3.85-4.23	6.13	5.69-6.60	p<0.001	
Manual worker	1	1.90	1.80-1.99	2.28	2.15-2.41	3.22	3.05-3.40	3.94	3.61-4.29	p<0.001	
Self-employed	1	2.36	2.09-2.67	2.73	2.40-3.10	3.61	3.20-4.07	5.20	4.41-6.32	p<0.001	
Outside employment	1	1.60	1.48-1.74	1.89	1.74-2.06	2.57	2.39-2.76	3.84	3.58-4.12	p<0.001	
<i>Musculoskeletal diseases</i>											
Upper non-manual	1	2.56	2.15-3.05	3.15	2.60-3.81	4.05	3.33-4.93	5.92	4.14-8.49		
Lower non-manual	1	2.74	2.59-2.90	3.03	2.82-3.26	3.65	3.40-3.91	5.40	4.80-6.06	p<0.001	
Manual worker	1	1.99	1.87-2.12	2.54	2.36-2.74	3.00	2.79-3.24	3.70	3.28-4.16	p<0.001	
Self-employed	1	3.04	2.56-3.60	2.85	2.29-3.54	3.83	3.21-4.57	5.18	3.96-6.78	p<0.001	
Outside employment	1	1.57	1.37-1.79	1.99	1.71-2.30	2.30	2.02-2.62	3.11	2.75-3.52	p<0.001	
<i>Mental and behavioural disorders</i>											
Upper non-manual	1	2.34	1.95-2.80	3.95	3.26-4.78	5.33	4.41-6.44	7.54	5.88-9.67		
Lower non-manual	1	2.23	2.06-2.42	2.78	2.53-3.06	4.03	3.66-4.45	5.47	4.72-6.33	p<0.001	
Manual worker	1	1.88	1.69-2.10	2.23	1.94-2.57	3.28	2.85-3.78	3.43	2.76-4.25	p<0.001	
Self-employed	1	2.9	2.10-3.99	3.54	2.65-4.74	3.78	2.79-5.13	4.24	2.63-6.84	p<0.001	
Outside employment	1	1.55	1.33-1.81	2.03	1.74-2.36	2.93	2.61-3.29	3.94	3.53-4.39	p<0.001	
<i>Other diagnoses</i>											
Upper non-manual	1	2.24	2.00-2.50	2.07	1.78-2.42	3.68	3.09-4.39	5.56	4.22-7.31		
Lower non-manual	1	1.81	1.72-1.91	2.08	1.95-2.22	2.86	2.64-3.09	4.59	4.04-5.22	p<0.001	
Manual worker	1	1.63	1.53-1.74	1.79	1.65-1.93	2.42	2.22-2.64	2.88	2.45-3.37	p<0.001	
Self-employed	1	2.11	1.83-2.45	2.12	1.79-2.50	2.63	2.18-3.19	4.54	3.43-6.01	p<0.001	
Outside employment	1	1.5	1.36-1.67	1.61	1.43-1.81	2.09	1.86-2.35	3.42	2.99-3.90	p<0.001	

Adjusted for socio-demographic variables.¹ Wald test for the interaction term between occupational class and length of sickness absence on disability retirement.