Study or Subgroup	Physically demanding Events	Total	Non physically demanding Events	Total	Weight	Odds Ratio M-H, Random, 95% CI	Odds Ratio M-H, Random, 95% CI	Risk of Bias A
2.1.1 Cohort studies								
Kaila-Kangas 2009	51	916	73	2189	11.2%	1.71 [1.18, 2.47]		+
Kaila-Kangas 2011	67	1060	25	876	10.2%	2.30 [1.44, 3.67]		+
Sorensen 2011	10	247	26	2328	7.6%	3.74 [1.78, 7.84]		−
Subtotal (95% CI)		2223		5393	29.1%	2.22 [1.50, 3.28]		
Total events	128		124					
Heterogeneity: Tau² = 0.05; Chi² = 3.68, df = 2 (P = 0.16); I² = 46%								
Test for overall effect: Z = 4.01 (P < 0.0001)								
2.1.2 Case Control studies								
Ahsan 2013	46	86	42	88	9.0%	1.26 [0.69, 2.28]		−
Heliovaara 1991	172	2505	61	2054	11.8%	2.41 [1.79, 3.25]		−
Saftic 2006	21	57	46	278	8.7%	2.94 [1.58, 5.49]		−
Seidler 2003	41	119	42	137	9.7%	1.19 [0.70, 2.01]		+
Seidler 2009	179	355	161	586	12.0%	2.68 [2.04, 3.54]		+
Zhang 2013	71	99	57	161	9.5%	4.63 [2.69, 7.97]		−
Subtotal (95% CI)		3221		3304	60.8%	2.29 [1.63, 3.21]		
Total events	530		409					
Heterogeneity: Tau² = 0.12; Chi² = 18.04, df = 5 (P = 0.003); I² = 72%								
Test for overall effect: Z = 4.76 (P < 0.00001)								
2.1.3 Cross Sectional studies								
Kostova 2001	24	279	73	613	10.1%	0.70 [0.43, 1.13]		−
Subtotal (95% CI)		279		613	10.1%	0.70 [0.43, 1.13]		
Total events	24		73					
Heterogeneity: Not applicable								
Test for overall effect: Z = 1.46 (P = 0.14)								
Total (95% CI)		5723		9310	100.0%	2.03 [1.48, 2.79]		
Total events	682		606					
Heterogeneity: Tau² = 0.19; Chi² = 44.08, df = 9 (P < 0.00001); I² = 80%								
Test for overall effect: Z = 4.42 (P < 0.00001)								
Test for subgroup differences: Chi² = 17.69, df = 2 (P = 0.0001), I² = 88.7%								

0.1 0.2 0.5 1 2 5 10
Favours Heavy Work   Favours Light Work

Risk of bias legend
(A) Risk of Bias

Figure e-1 Forest plot physically demanding work and LRS including low (green dot) and high (red dot) risk of bias studies