

The impact of low education and poor health on unemployment varies by work life stage

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Supplementary Table 1. Associations and interactions of education, and physical and mental health on unemployment using the international definition for unemployment (The Netherlands, 2006-2013)

	Physical health			Mental health		
	n unemployed / n total (% unemployed)	OR (95% CI)	RERI (95% CI)	n unemployed / n total (% unemployed)	OR (95% CI)	RERI (95% CI)
Early work life						
Good health	316/10,693	(2.9)		249/9,824	(2.5)	
High education	139/5,016	(2.8)	1 (Ref)	108/4,496	(2.4)	1 (Ref)
Medium education	123/4,406	(2.8)	1.06 (0.82, 1.35)	89/4,134	(2.2)	0.93 (0.70, 1.23)
Low education	59/1,271	(4.6)	1.78 (1.30, 2.43)	52/1,194	(4.4)	1.92 (1.36, 2.70)
Poor health	137/2,786	(4.9)		209/3,655	(5.7)	
High education	31/984	(3.2)	1.11 (0.75, 1.66)	62/1,504	(4.1)	1.57 (1.14, 2.17)
Medium education	57/1,320	(4.3)	1.60 (1.17, 2.20)	91/1,592	(5.7)	2.33 (1.75, 3.10)
Low education	49/482	(10.2)	3.99 (2.83, 5.63)	56/559	(10.0)	4.18 (2.98, 5.87)
			0.43 (-0.19, 1.06) ^a			0.83 (0.17, 1.49) ^c
			2.11 (0.75, 3.48) ^b			1.73 (0.36, 3.09) ^d
Mid work life						
Good health	589/29,763	(2.0)		541/30,151	(1.8)	
High education	138/9,781	(1.4)	1 (Ref)	104/9,311	(1.1)	1 (Ref)
Medium education	258/12,950	(2.0)	1.42 (1.15, 1.75)	237/13,266	(1.8)	1.61 (1.28, 2.04)
Low education	193/7,032	(2.7)	1.98 (1.59, 2.48)	200/7,574	(2.6)	2.42 (1.90, 3.07)
Poor health	414/6,116	(6.8)		462/9,728	(4.7)	
High education	52/2,400	(2.2)	1.50 (1.09, 2.08)	86/2,870	(3.0)	2.37 (1.78, 3.18)
Medium education	162/4,440	(3.6)	2.55 (2.02, 3.22)	183/4,124	(4.4)	3.51 (2.74, 4.49)
Low education	200/3,276	(6.1)	4.49 (3.59, 5.60)	193/2,734	(7.1)	5.80 (4.54, 7.40)
			0.62 (0.005, 1.24) ^a			0.53 (-0.24, 1.31) ^c
			2.03 (1.20, 2.87) ^b			2.04 (0.94, 3.14) ^d
Late work life						
Good health	338/10,965	(3.1)		400/12,571	(3.2)	
High education	74/3,371	(2.2)	1 (Ref)	79/3,587	(2.2)	1 (Ref)
Medium education	110/3,671	(3.0)	1.46 (1.08, 1.97)	129/4,240	(3.0)	1.49 (1.12, 1.98)
Low education	154/3,923	(3.9)	1.82 (1.37, 2.41)	192/4,744	(4.0)	1.86 (1.42, 2.42)
Poor health	225/4,795	(4.7)		163/3,189	(5.1)	
High education	34/1,086	(3.1)	1.47 (0.97, 2.22)	29/870	(3.3)	1.48 (0.96, 2.29)
Medium education	69/1,644	(4.2)	2.07 (1.48, 2.90)	50/1,075	(4.7)	2.16 (1.50, 3.12)
Low education	122/2,065	(5.9)	2.78 (2.07, 3.75)	84/1,244	(6.8)	3.06 (2.22, 4.20)
			0.14 (-0.67, 0.96) ^a			0.21 (-0.70, 1.13) ^c
			0.50 (-0.28, 1.28) ^b			0.69 (-0.22, 1.61) ^d

Abbreviations: OR: odds ratio; RERI: relative excess risk due to interaction

ORs and RERIs are adjusted for age, gender and marital status

^a RERI of unemployment for medium education and poor physical health; ^b RERI of unemployment for low education and poor physical health; ^c RERI of unemployment for medium education and poor mental health; ^d RERI of unemployment for low education and poor mental health