

Additional file 8

Relative risk ratio (RRR) of spinal pain according to screen-based activity and physical activity, respectively, restricted to a study population consisting of 11-year-olds exclusively, n = 38,326 (The Danish National Birth Cohort, born 1996-2003)

	Model 1 ^{ab}			Model 2 ^{bc}		Model 3 ^{bd}	
	No. of cases Moderate/Severe	Moderate pain RRR (95% CI)	Severe pain RRR (95% CI)	Moderate pain RRR (95% CI)	Severe pain RRR (95% CI)	Moderate pain RRR (95% CI)	Severe pain RRR (95% CI)
SBA, Girls (h/day)							
< 2	1,516/626	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.
2 to < 4	3,066/1,244	1.26 (1.17-1.36)	1.24 (1.11-1.37)	1.25 (1.16-1.35)	1.22 (1.10-1.36)	1.24 (1.15-1.34)	1.20 (1.08-1.34)
4 to < 6	1,073/475	1.47 (1.34-1.62)	1.58 (1.38-1.80)	1.45 (1.32-1.60)	1.54 (1.34-1.76)	1.43 (1.30-1.58)	1.48 (1.29-1.69)
≥ 6	355/228	1.70 (1.46-1.97)	2.64 (2.21-3.16)	1.66 (1.43-1.93)	2.53 (2.11-3.03)	1.63 (1.40-1.90)	2.38 (1.98-2.85)
SBA, Boys (h/day)							
< 2	860/254	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.
2 to < 4	2,437/788	1.09 (1.00-1.20)	1.20 (1.03-1.39)	1.09 (0.99-1.19)	1.19 (1.02-1.38)	1.08 (0.99-1.19)	1.18 (1.01-1.37)
4 to < 6	1,326/447	1.29 (1.16-1.43)	1.47 (1.25-1.74)	1.26 (1.14-1.40)	1.42 (1.21-1.68)	1.25 (1.14-1.39)	1.39 (1.18-1.64)
≥ 6	593/266	1.38 (1.22-1.57)	2.10 (1.75-2.54)	1.34 (1.18-1.53)	2.00 (1.66-2.41)	1.32 (1.16-1.50)	1.91 (1.58-2.31)
Physical activity behavior							
Inactive	1,303/592	1.21 (1.12-1.31)	1.53 (1.38-1.70)	1.11 (1.03-1.20)	1.29 (1.15-1.43)	1.09 (1.01-1.28)	1.22 (1.10-1.36)
Lightly active	5,276/2,049	1.14 (1.08-1.20)	1.23 (1.15-1.32)	1.11 (1.05-1.16)	1.16 (1.08-1.25)	1.09 (1.03-1.14)	1.11 (1.03-1.20)
Moderately active	4,206/1,511	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.
Vigorously active	441/176	0.98 (0.87-1.11)	1.09 (0.92-1.29)	1.00 (0.89-1.13)	1.13 (0.95-1.34)	1.01 (0.90-1.14)	1.15 (0.97-1.36)

a Crude model (SBA was analyzed as the interaction between SBA and child's sex)

b Reference categories: For explanatory variables; less than 2 hours used on SBA daily and being moderately physically active, and for outcome variables; not having reported moderate or severe spinal pain in DNBC-11 (No pain)

c Simultaneously modeled for the interaction between SBA and child's sex, and physical activity behavior, but without further adjustments.

d Adjusted for parity, family type, parental education, household income and simultaneously modeled for the interaction between SBA and child's sex, and physical activity behavior

Test of interaction between SBA and physical activity: P = 0.318