

Table S1. Relationship between food insecurity and self-efficacy for physical activity and healthy eating among grade 5 students (aged 10-11 years) in Nova Scotia, Canada

PA Self-efficacy						
	All students		Girls		Boys	
	B (95%CI)	p-Value	B (95%CI)	p-Value	B (95%CI)	p-Value
Univariate						
Food secure	0.00	-	0.00	-	0.00	-
Marginal FI ¹	-0.18 (-1.91, 1.55)	0.838	-0.31 (-2.71, 2.09)	0.797	0.18 (-2.11, 2.47)	0.876
Moderate FI ¹	-2.29 (-3.81, -0.77)	0.003	-2.80 (-4.66, -0.94)	0.003	-1.69 (-3.94, 0.56)	0.141
Severe FI ¹	-2.52 (-4.51, -0.54)	0.013	-3.22 (-5.71, -0.73)	0.011	-1.57 (-4.67, 1.53)	0.320
Model 1						
Food secure	0.00	-	0.00	-	0.00	-
Marginal FI ¹	0.33 (-1.39, 2.06)	0.704	0.13 (-2.28, 2.54)	0.915	0.42 (-1.82, 2.65)	0.709
Moderate FI ¹	-1.82 (-3.27, -0.37)	0.014	-2.35 (-4.17, -0.54)	0.011	-1.23 (-3.44, 0.99)	0.276
Severe FI ¹	-2.09 (-4.04, -0.14)	0.036	-2.81 (-5.25, -0.37)	0.024	-1.19 (-4.29, 1.90)	0.450
Model 2						
Food secure	0.00	-	0.00	-	0.00	-
Marginal FI ¹	0.76 (-0.97, 2.49)	0.387	0.43(-2.01, 2.87)	0.729	0.88 (-1.37, 3.13)	0.441
Moderate FI ¹	-1.13 (-2.57, 0.31)	0.125	-1.91 (-3.74, -0.08)	0.041	-0.20 (-2.42, 2.02)	0.861
Severe FI ¹	-1.23 (-3.19, 0.72)	0.216	-2.24 (-4.65, 0.16)	0.067	0.01 (-3.13, 3.15)	0.955
Model 3						
Food secure	0.00	-	0.00	-	0.00	-
Marginal FI ¹	1.44 (-0.28, 3.17)	0.100	1.19 (-1.22, 3.59)	0.333	1.61 (-0.67, 3.90)	0.166
Moderate FI ¹	-0.27 (-1.82, 1.29)	0.735	-1.08 (-3.04, 0.88)	0.278	0.66 (-1.72, 3.05)	0.586
Severe FI ¹	-0.01 (-2.17, 2.16)	0.944	-1.18 (-3.79, 1.43)	0.373	1.39 (-2.05, 4.83)	0.426
HE Self-efficacy						
Univariate						
Food secure	0.00	-	0.00	-	0.00	-
Marginal FI ¹	-1.72 (-3.72, 0.28)	0.091	-1.52 (-4.14, 1.10)	0.255	-2.53 (-5.32, 0.26)	0.075
Moderate FI ¹	-3.08 (-4.81, -1.35)	0.001	-3.46 (-5.65, -1.26)	0.002	-2.76 (-5.55, 0.028)	0.052
Severe FI ¹	-2.06 (-4.13, 0.02)	0.052	-3.13 (-5.72, -0.54)	0.018	-1.08 (-4.22, 2.07)	0.502
Model 1						
Food secure	0.00	-	0.00	-	0.00	-
Marginal FI ¹	-1.75 (-3.75, 0.26)	0.087	-1.31 (-3.93, 1.32)	0.329	-2.39 (-5.15, 0.38)	0.090
Moderate FI ¹	-2.88 (-4.59, -1.16)	0.001	-3.19 (-5.44, -0.94)	0.006	-2.49 (-5.28, 0.29)	0.079
Severe FI ¹	-1.96 (-4.04, 0.13)	0.066	-2.85 (-5.42, -0.27)	0.030	-0.84 (-3.99, 2.32)	0.602
Model 2						
Food secure	0.00	-	0.00	-	0.00	-
Marginal FI ¹	-1.18 (-3.17, 0.82)	0.247	-0.92 (-3.50, 1.65)	0.481	-1.63 (-4.40, 1.14)	0.248
Moderate FI ¹	-1.94 (-3.68, -0.20)	0.029	-2.75 (-4.98, -0.52)	0.016	-1.03 (-3.89, 1.82)	0.477
Severe FI ¹	-0.80 (-2.95, 1.33)	0.458	-2.23 (-4.88, 0.42)	0.099	0.93 (-2.22, 4.07)	0.562
Model 3						
Food secure	0.00	-	0.00	-	0.00	-
Marginal FI ¹	-0.72 (-2.72, 1.27)	0.477	-0.46 (-3.04, 2.13)	0.729	-1.11 (-3.95, 1.73)	0.442
Moderate FI ¹	-1.40 (-3.18, 0.38)	0.122	-2.37 (-4.66, -0.09)	0.042	-0.38 (-3.36, 2.60)	0.802

Severe FI ¹	-0.14 (-3.18, 0.38)	0.906	-1.87 (-4.82, 1.08)	0.213	1.85 (-1.44, 5.14)	0.270
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B: regression coefficient; 95% CI; 95% confidence interval; Model 1 is adjusted for region of residence, body weight status, and gender (in non-gender-stratified models). Model 2 is further adjusted for parental education and Model 3 is further adjusted for household income. Estimates are weighted to represent grade five students in Nova Scotia. Results in bold are statistically significant ($p < 0.05$); ¹Food insecurity. PA: Physical activity; HE: Healthy eating