

Additional file 4: Associations between access to neighbourhood recreational areas and moderate-to-vigorous intensity physical activity (minutes/day) including all co-variates

	Model 1 ^a		Model 2 ^a		Model 3 ^a	
	β	95% CI	β	95% CI	β	95% CI
<i>Fixed effects</i>						
Objective access to recreational areas (ref: limited access)						
Good access	9.14**	2.66, 15.62			9.06**	2.39, 15.74
Perceived access to recreational areas (ref: Low perception)						
High perception			4.75*	0.68, 8.82	4.40*	0.34, 8.45
Time point (ref: Early pregnancy)						
Mid-pregnancy	-8.15**	-10.94, -5.36	-8.28**	-11.16, -5.40	-8.23**	-11.11, -5.36
Post-partum	7.04**	3.65, 10.43	7.49**	4.01, 10.98	7.51**	4.03, 11.00
Gestational-/post-partum week (time-point mean-centred)	0.09	-0.47, 0.66	0.09	-0.50, 0.68	0.10	-0.48, 0.69
Socio-economic position	2.44*	0.18, 4.70	2.85*	0.48, 5.21	2.89*	0.53, 5.24
Ethnicity (ref: Western)						
South Asian	-9.72**	-14.88, -4.56	-10.00**	-15.32, -4.68	-10.07**	-15.34, -4.79
Middle Eastern	-6.84**	-13.06, -0.62	-5.26	-11.66, 1.15	-5.43	-11.80, 0.94
Other ethnicity	-6.99*	-12.54, -1.44	-6.64*	-12.36, -0.91	-6.32*	-12.02, -0.62
Season (ref: Winter)						
Spring	6.08**	2.38, 9.77	6.21**	2.40, 10.03	6.07**	2.26, 9.88
Summer	3.74	-0.11, 7.59	3.80	-0.17, 7.76	3.78	-0.19, 7.74
Autumn	4.25*	0.59, 7.91	4.67*	0.90, 8.44	4.59*	0.83, 8.36
Parity (ref: Nulliparous)						
Parous	-1.87	-6.03, 2.30	-1.05	-5.27, 3.18	-1.12	-5.33, 3.08
Age	-0.53*	-0.97, -0.09	-0.56*	-1.01, -0.11	-0.54*	-0.99, -0.09
<i>Random effects</i>						
Intra-class correlation (%) neighbourhood level	0.7		1.6		1.1	
Intra-class correlation (%) individual level	40.0		39.0		38.5	

^a Three-level linear mixed effects regression models

* p<0.05

** p<0.01