

Table S5: Individual-level correlates of children's independent mobility using complete cases.

Correlate	Girls (n=931)			Boys (n=762)		
	β	95% CI		β	95% CI	
Child Characteristics						
Child grade level	0.621***	0.491	0.751	0.596***	0.443	0.749
Child illness	-0.281	-0.793	0.232	-0.390	-0.882	0.102
Mobile phone ownership	0.401*	0.083	0.719	0.353	-0.059	0.765
Household Characteristics						
Parent age	-0.328**	-0.562	-0.094	0.086	-0.175	0.347
Parent gender	-0.031	-0.278	0.216	-0.215	-0.519	0.088
Parent work status (not working vs working)	0.530**	0.191	0.869	0.150	-0.224	0.524
Parent education	0.179	-0.142	0.500	-0.224	-0.625	0.176
Language spoken (English/French vs other language)	-0.577***	-0.873	-0.280	-0.453**	-0.778	-0.129
Car ownership	-0.203	-0.904	0.499	0.070	-0.633	0.773
Home ownership	-0.226	-0.507	0.056	0.108	-0.229	0.446
Siblings (no sibling vs sibling(s))	0.000	-0.286	0.287	0.046	-0.279	0.370
Parent Travel Mode to Work						
Walk	-0.193	-0.539	0.152	0.220	-0.202	0.643
Bike	0.478*	0.058	0.897	0.202	-0.348	0.753
Public transit	-0.204	-0.572	0.163	-0.518*	-0.921	-0.116
Car	-0.200	-0.459	0.059	0.044	-0.278	0.366

Significant correlates are bolded: ¹p<.05, ²p<.01, ³p<.001; CI: Confidence Interval; β : Unstandardized regression coefficients

Table S6: Social environment-level correlates of children's independent mobility using complete cases.

Correlate	Girls (n=931)			Boys (n=762)		
	β	95% CI		β	95% CI	
Child Perceptions						
Neighbourhood safety	0.170**	0.047	0.294	0.260**	0.110	0.410
Child worried about...						
Traffic	0.033	-0.290	0.356	-0.225	-0.595	0.144
Getting lost	-0.237	-0.576	0.102	-0.397*	-0.769	-0.025
Bullying	0.099	-0.254	0.453	0.299	-0.111	0.709
Strangers	-0.125	-0.442	0.193	0.001	-0.314	0.316
Feeling they are not old enough to go about on their own	-0.094	-0.484	0.296	-0.285	-0.772	0.203
Not knowing what to do if someone speaks to them	-0.142	-0.454	0.169	-0.360*	-0.710	-0.010
Parent Perceptions						
Most adults in the neighbourhood look out for other people's children in the area	0.024	-0.106	0.154	0.044	-0.098	0.186
People in the area make me afraid to let child play outdoors	-0.081	-0.206	0.044	-0.038	-0.176	0.099
Worried about risk of child being injured in a traffic accident	-0.523***	-0.679	-0.366	-0.399***	-0.569	-0.229
Barriers to child walking or cycling						
No sidewalks or bike lanes	0.002	-0.013	0.017	0.005	-0.010	0.020
Route does not have good lighting	-0.003	-0.016	0.009	-0.001	-0.020	0.017
Too much traffic around the home	0.007	-0.003	0.018	0.003	-0.017	0.023
One or more dangerous crossing	-0.011*	-0.022	-0.001	0.002	-0.009	0.014
Unsafe due to crime (strangers, gangs, drugs)	0.002	-0.016	0.020	0.002	-0.032	0.037
Child gets bullied, teased, harassed	-0.001	-0.017	0.015	-0.014	-0.032	0.005

Significant correlates are bolded: ¹p<.05, ²p<.01, ³p<.001; CI: Confidence Interval; β : Unstandardized regression coefficients

Table S7: Geographical and area-level correlates of children's independent mobility using complete cases.

Correlate	Girls (n=931)			Boys (n=762)		
	β	95% CI		β	95% CI	
Site						
Ottawa, ON	-1.311***	-1.719	-0.904	-1.081***	-1.582	-0.580
Vancouver, BC	-1.376***	-1.767	-0.985	-1.218***	-1.691	-0.745
Trois Rivières, QC	0	.	.	0	.	.
Urbanization						
Urban	-0.207	-0.669	0.256	-1.582*	-1.071	-0.002
Suburban	-0.281	-0.702	0.141	-1.691**	-1.276	-0.264
Rural	0	.	.	0	.	.
Walkability						
400 m	0.072**	0.023	0.122	-0.007	-0.065	0.051
1600 m	-0.070*	-0.128	-0.013	0.032	-0.028	0.092
Socioeconomic status	-0.178	-0.503	0.146	-0.135	-0.528	0.258

Significant correlates are bolded: ¹p<.05, ²p<.01, ³p<.001; CI: Confidence Interval; β : Unstandardized regression coefficients