

COI Subdomains	Outcome								
	Admissions			ED Visits			Hospital Days		
	IRR (95% CI)	Unadjusted p-value	Adjusted p-value (q)	IRR (95% CI)	Unadjusted p-value	Adjusted p-value (q)	IRR (95% CI)	Unadjusted p-value	Adjusted p-value (q)
Education									
Early childhood education	0.97 (0.92,1.03)	0.380	0.532	0.93 (0.89,0.97)	0.002	0.026	0.95 (0.92,0.99)	0.020	0.070
Elementary Education	0.98 (0.94,1.03)	0.445	0.572	0.97 (0.94,1.01)	0.100	0.150	0.96 (0.93,0.99)	0.019	0.070
Secondary and post-secondary education	0.97 (0.89,1.07)	0.581	0.625	1.05 (0.97,1.13)	0.225	0.286	0.97 (0.91,1.03)	0.324	0.478
Educational Resources	1.032 (0.96,1.07)	0.519	0.605	0.96 (0.93,1.01)	0.088	0.150	0.97 (0.94,1.01)	0.133	0.373
Health and environment									
Pollution	1.04 (0.99, 1.10)	0.095	0.365	0.98 (0.95,1.02)	0.376	0.405	1.01 (0.98, 1.04)	0.572	0.616
Healthy environments	1.04 (0.99,1.09)	0.130	0.365	0.97 (0.94,1.01)	0.143	0.200	0.99 (0.96,1.02)	0.444	0.518
Safety-related resources	0.94 (0.89,1.00)	0.034	0.365	1.01 (0.97,1.05)	0.699	0.699	0.95 (0.92, 0.99)	0.018	0.070
Health resources	1.00 (0.96,1.05)	0.950	0.950	0.97 (0.93,1.00)	0.035	0.122	0.96 (0.93,0.99)	0.004	0.057
Social and economic									
Employment	1.03 (0.97,1.08)	0.337	0.532	0.96 (0.93,1.00)	0.051	0.150	0.98 (0.95,1.02)	0.327	0.478
Economic resources	1.05 (0.99,1.12)	0.119	0.365	0.97 (0.93,1.02)	0.256	0.299	1.00 (0.95,1.04)	0.885	0.885
Concentrated socioeconomic inequity	1.03 (0.98,1.09)	0.258	0.515	0.97 (0.93,1.01)	0.090	0.150	0.98 (0.95,1.02)	0.375	0.478
Housing resources	1.04 (0.99,1.09)	0.076	0.365	0.96 (0.93, 1.00)	0.025	0.117	0.98 (0.95,1.02)	0.308	0.478
Social resources	1.02 (0.97,1.08)	0.365	0.532	0.97 (0.93, 1.01)	0.088	0.150	0.98 (0.95,1.02)	0.301	0.478
Wealth	1.03 (0.99, 1.08)	0.170	0.396	0.95 (0.92,0.98)	0.003	0.026	0.99 (0.96,1.02)	0.372	0.478