

DATA SUPPLEMENT 2

Supplementary Table 1 – Confounder analyses

	Bronchiolitis	Pneumonia	Otitis media	Cold or flu	Wheeze	Dry cough	Reliever inhaler	Inhaled corticosteroid	Primary care cough & wheeze	Emergency department for wheeze	Secondary care for wheeze
	0-24 months OR (95% CI) p-value	0-24 months OR (95% CI) p-value	0-24 months OR (95% CI) p-value	0-24 months OR (95% CI) p-value	0-24 months OR (95% CI) p-value	0-24 months RR (95% CI) p-value	0-24 months RR (95% CI) p-value	0-24 months RR (95% CI) p-value	0-24 months OR (95% CI) p-value	0-24 months RR (95% CI) p-value	0-24 months RR (95% CI) p-value
Breastfed >6 months	0.55 (0.39-0.77) p<0.001	1.05 (0.45-2.42) p=0.917	0.75 (0.59-0.99) p=0.040	1.07 (0.86-1.34) p=0.523	0.52 (0.39-0.75) p<0.001	0.85 (0.61-1.17) p=0.314	0.78 (0.57-1.07) p=0.122	0.68 (0.37-1.24) p=0.212	0.69 (0.55-0.86) p=0.001	0.81 (0.52-1.27) p=0.360	1.08 (0.59-2.00) p=0.740
Daycare	1.40 (1.02-1.90) p=0.035	2.39 (1.04-5.49) p=0.040	1.68 (1.32-2.14) p<0.001	1.72 (1.41-2.09) p<0.001	2.16 (1.62-2.87) p<0.001	2.01 (1.47-2.21) p<0.001	1.75 (1.33-2.31) p<0.001	1.46 (0.84-2.52) p=0.180	1.47 (1.21-1.78) p<0.001	1.81 (1.17-2.80) p=0.007	2.08 (1.15-3.73) p=0.015
Siblings	1.65 (1.18-2.32) p=0.004	2.25 (0.95-5.33) p=0.066	1.05 (0.82-1.35) p=0.689	1.03 (0.84-1.26) p=0.800	1.31 (0.97-1.77) p=0.082	1.04 (0.77-1.39) p=0.812	1.37 (1.02-1.85) p=0.037	1.57 (0.86-2.87) p=0.140	1.25 (1.02-1.53) p=0.030	1.32 (0.84-2.06) p=0.224	1.57 (0.73-3.35) p=0.245
Damp in house	1.47 (0.80-2.71) p=0.219	2.16 (0.58-8.12) p=0.254	1.21 (0.77-1.90) p=0.408	1.15 (0.77-1.70) p=0.499	1.85 (1.11-3.19) p=0.028	1.76 (1.02-3.04) p=0.042	1.73 (1.04-2.89) p=0.036	2.61 (1.03-6.59) p=0.043	1.68 (1.17-2.42) p=0.005	1.00 (0.43-2.39) p=0.982	1.14 (0.41-3.21) p=0.797
Tobacco smoke	0.94 (0.55-1.57) p=0.801	0.77 (0.23-2.65) p=0.684	1.08 (0.86-1.80) p=0.621	0.83 (0.59-1.12) p=0.208	1.15 (0.73-1.79) p=0.549	1.26 (0.79-2.00) p=0.329	1.30 (0.82-2.05) p=0.268	1.03 (0.42-2.49) p=0.953	1.52 (1.11-2.08) p=0.009	1.05 (0.54-2.03) p=0.885	1.59 (0.75-3.39) p=0.229
Carpet in bedroom	1.00 (0.68-1.47) p=0.988	0.82 (0.39-1.77) p=0.611	1.07 (0.80-1.42) p=0.654	1.19 (0.93-1.52) p=0.158	1.01(0.72-1.42) p=0.972	1.38 (0.942.03) p=0.101	1.32 (0.93-1.90) p=0.124	1.08 (0.52-2.29) p=0.842	1.01 (0.80-1.28) p=0.910	0.81 (0.51-1.30) p=0.383	0.99 (0.51-1.92) p=0.976
Animal	0.93 (0.67-1.30) p=0.683	0.81 (0.35-1.90) p=0.634	0.99 (0.77-1.26) p=0.910	0.84 (0.69-1.01) p=0.077	1.15 (0.86-1.55) p=0.343	0.99 (0.72-1.34) p=0.926	1.08 (0.81-1.44) p=0.598	1.10 (0.63-1.92) p=0.544	0.94 (0.77-1.15) p=0.547	0.90 (0.59-1.39) p=0.642	1.06 (0.62-1.82) p=0.832
Dense traffic	1.32 (1.08-2.29) p=0.011	0.69 (1.55-2.86) p=0.588	1.37 (0.92-2.04) p=0.121	1.01 (0.81-1.21) p=0.893	1.15 (0.88-1.50) p=0.927	0.96 (0.71-1.40) p=0.889	0.97 (0.59-1.58) p=0.891	0.41 (0.10-1.72) p=0.222	0.97 (0.68-1.38) p=0.869	0.70 (0.43-1.38) p=0.320	0.78 (0.28-2.19) p=0.632
Solid fuel	0.62 (0.32-1.18) p=0.145	1.23 (0.43-3.55) p=0.702	0.91 (0.60-1.39) p=0.667	1.10 (0.49-1.01) p=0.572	1.01 (0.74-1.98) p=0.889	0.87 (0.58-1.39) p=0.601	0.82 (0.47-1.42) p=0.476	0.79 (0.27-2.32) p=0.671	0.90 (0.66-1.23) p=0.501	0.59 (0.31-1.3-1) p=0.210	0.58 (0.17-1.71) p=0.285

Adjusted relative risks (RR) and 95% confidence intervals (95%CI) were estimated for binary outcomes using log binomial regression. Adjusted odds ratios (OR) and 95% confidence intervals (95%CI) were estimated for ordered grouped counts using ordinal logistic regression. A single multivariable regression analysis was performed for each of the 11 clinical outcomes. All environmental risk factors were included in each analysis and data was adjusted for mother's level of education.

