

Supplementary Table A – Environmental exposures

	Frequent exacerbator	Non-exacerbators	p-value
Exposure to secondhand smoke (current)	27.1	24.8	0.71
Worked at dusty job \geq 1 yr	55.6	52.6	0.66
Exposed to fumes at work	43.4	39.5	0.51
Exposure to environmental smoke <18	84.3	79.6	0.32
Biomass fuel combustion for heat*	9.4	11.8	0.48

Data are presented as percent. * Defined as use of wood or coal as a home heating source.

Supplementary Table B – History of asthma and bronchodilator response

	Frequent exacerbator	Non-exacerbators	p-value
Physician diagnosed asthma (ever)	36.5	25.5	0.04
Asthma diagnosed before age 18	10.9	7.8	0.36
Positive bronchodilator response (BDR)*	11.2	12.7	0.74
Absolute change in FEV1 (mL)	71.9 (98.4)	86.6 (119.2)	0.05
% change in FEV1 (from baseline)	10.4 (14.2)	11.3 (15.2)	0.21
Change in FEV1 % predicted	2.9 (3.9)	3.1 (4.2)	0.10

Data are presented as percent or mean (SD). *BDR was considered positive if there was a >12% and >200 mL increase from baseline FEV1 following the administration of albuterol.