

**Table S1:** Associations of overlapping aeroallergen IgE, allergic rhinitis, and asthma with FeNO\*

Conditions	N (%)	Model 1	Model 2
		% difference in average eNO (95% CI)	
No IgE, AR, or asthma	168 (35%)	0 (ref)	0 (ref)
Asthma alone	10 (2%)	1 (-31, 48)	-5 (-39, 47)
AR alone	14 (3%)	7 (-23, 48)	8 (-22, 51)
Asthma and AR	6 (1%)	-3 (-40, 58)	-3 (-41, 59)
IgE alone	173 (36%)	71 (50, 94)	75 (52, 101)
IgE and asthma	26 (5%)	283 (199, 390)	272 (184, 386)
IgE and AR	47 (10%)	109 (72, 154)	108 (69, 157)
IgE, AR, and asthma	32 (7%)	228 (161, 310)	272 (189, 379)

\*Linear regression models with log-transformed FeNO as the outcome. Effect estimates presented as % difference, calculated as (exponentiated (beta)-1)\*100.

Model 1. Adjusted for sex and current age and height.

Model 2. Model 1 additionally adjusted for race/ethnicity; maternal education and smoking during pregnancy; median value owner-occupied housing and percent  $\geq$  bachelor's degree (census tract, mid-childhood); and household income and any smokers at home at early teen visit.