

Supplementary Online Content

Sheehan WJ, Permaul P, Petty CR, et al. Association between allergen exposure in urban schools and asthma morbidity among inner-city students. *JAMA Pediatr.* Published online November 21, 2016. doi:10.1001/jamapediatrics.2016.2543

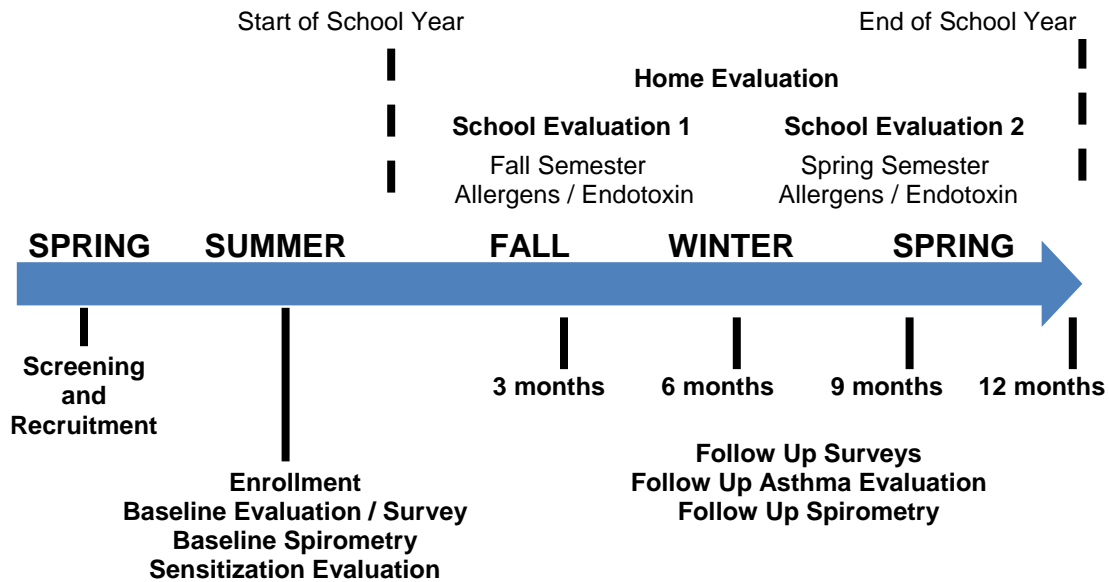
eFigure 1. SICAS Schema: Typical Year of the Study

eFigure 2. Flowchart of Participants in the Study

eTable. Maximum Asthma Symptom Days (Unadjusted) by Mouse Allergen Exposure

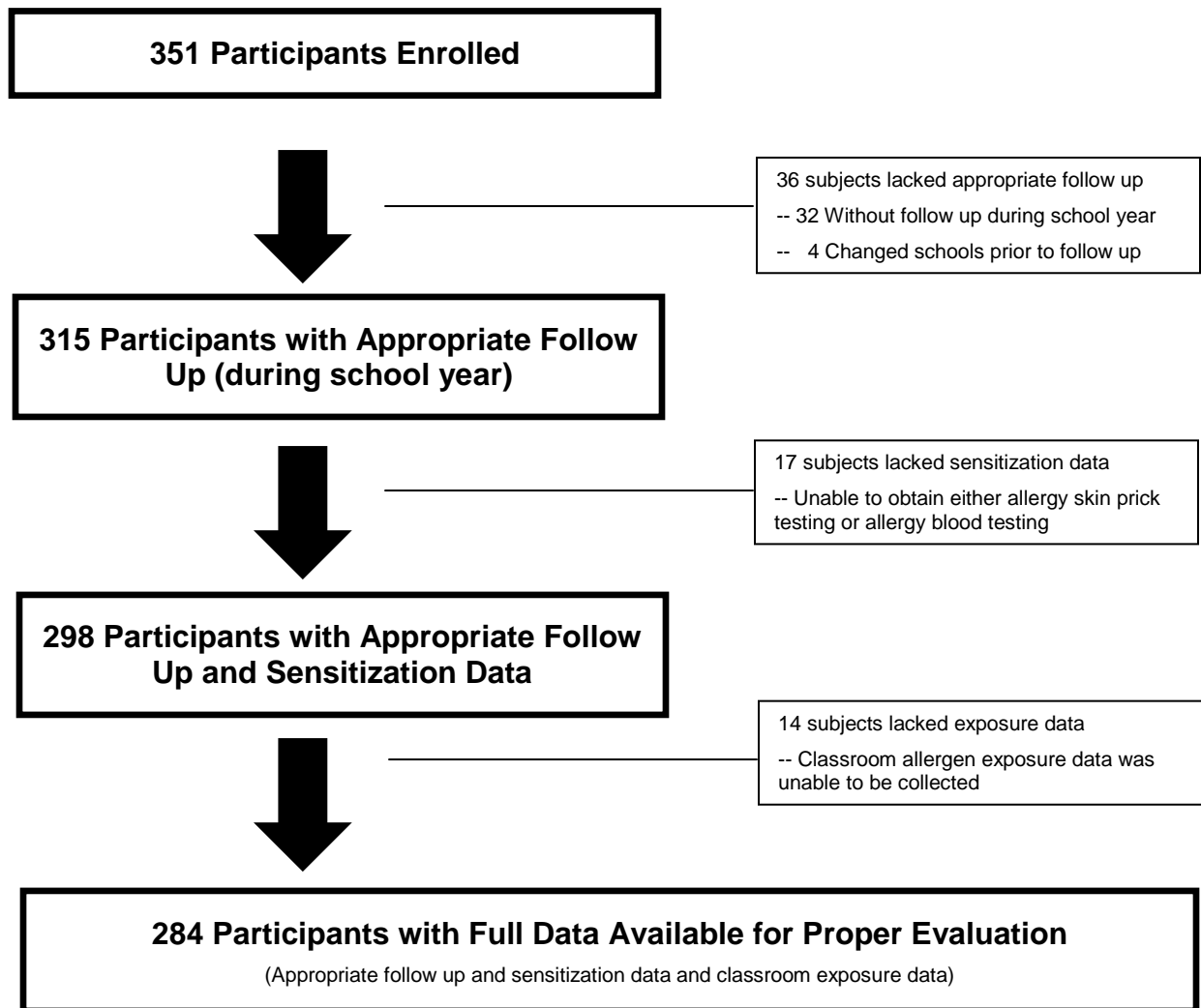
This supplementary material has been provided by the authors to give readers additional information about their work.

eFigure 1. SICAS Schema: Typical Year of the Study



- Screening and recruitment in the spring prior to school year
- Enrollment and baseline evaluation during the summer prior to school year
- Environmental evaluation and asthma monitoring during the school year
- Each year: approximately 7-10 new schools (approximately 70 students)
- Cycle repeats annually
- At the end of the 5 year study: 351 students from 38 schools enrolled

eFigure 2. Flowchart of Participants in the Study



eTable. Maximum Asthma Symptom Days (Unadjusted) by Mouse Allergen Exposure

Mouse Allergen in Settled Dust					
	Quintile 1	Quintile 2	Quintile 3	Quintile 4	Quintile 5
	LLOD – 0.157 µg/g	0.166 - 0.443 µg/g	0.454 - 1.572 µg/g	1.594 - 4.639 µg/g	4.700 - 144.2 µg/g
Observations (Follow up Evaluations)	143	147	140	142	143
Maximum Symptom Days					
0-1 Days	73 (51%)	69 (50%)	68 (49%)	55 (39%)	64 (45%)
2-3 Days	29 (20%)	42 (29%)	33 (24%)	40 (28%)	35 (24%)
4-9 Days	27 (19%)	21 (14%)	24 (17%)	36 (25%)	23 (16%)
10-14 Days	14 (10%)	15 (10%)	15 (11%)	11 (8%)	21 (15%)
Total Symptom Days	417	429	440	459	517
Mean Symptom Days	2.92	2.92	3.14	3.23	3.62
Median Symptom Days	1	2	2	2	2
Percent Likelihood of Symptom Day	20.8%	20.8%	22.4%	23.1%	25.8%
Crude Odds Ratio (vs. Quintile 1)	--	1.00	1.10	1.14	1.32