

## Supplementary Online Content

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

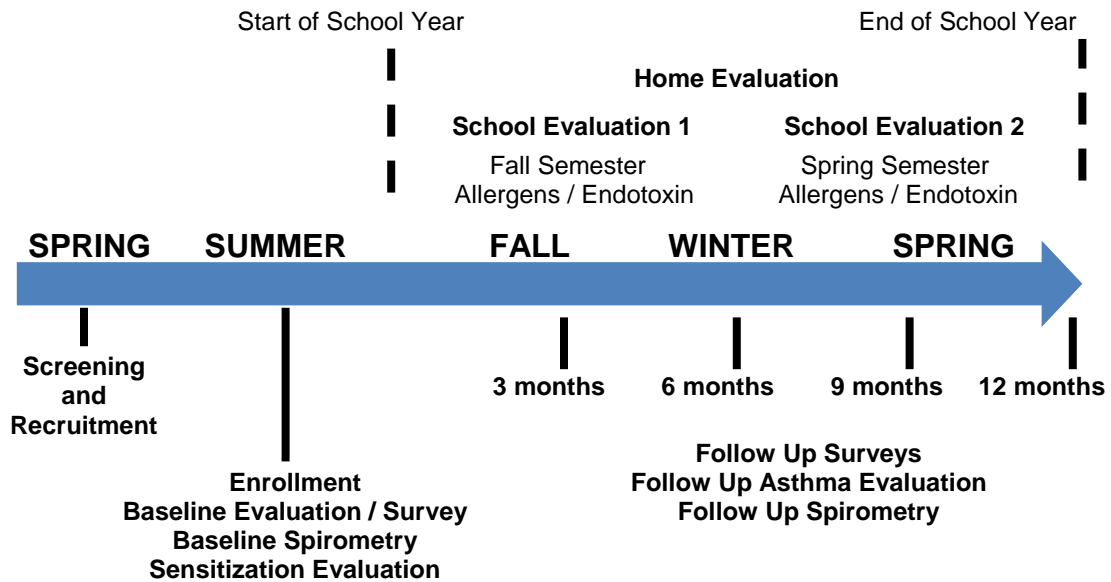
**eFigure 1.** SICAS Schema: Typical Year of the Study

**eFigure 2.** Flowchart of Participants in the Study

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

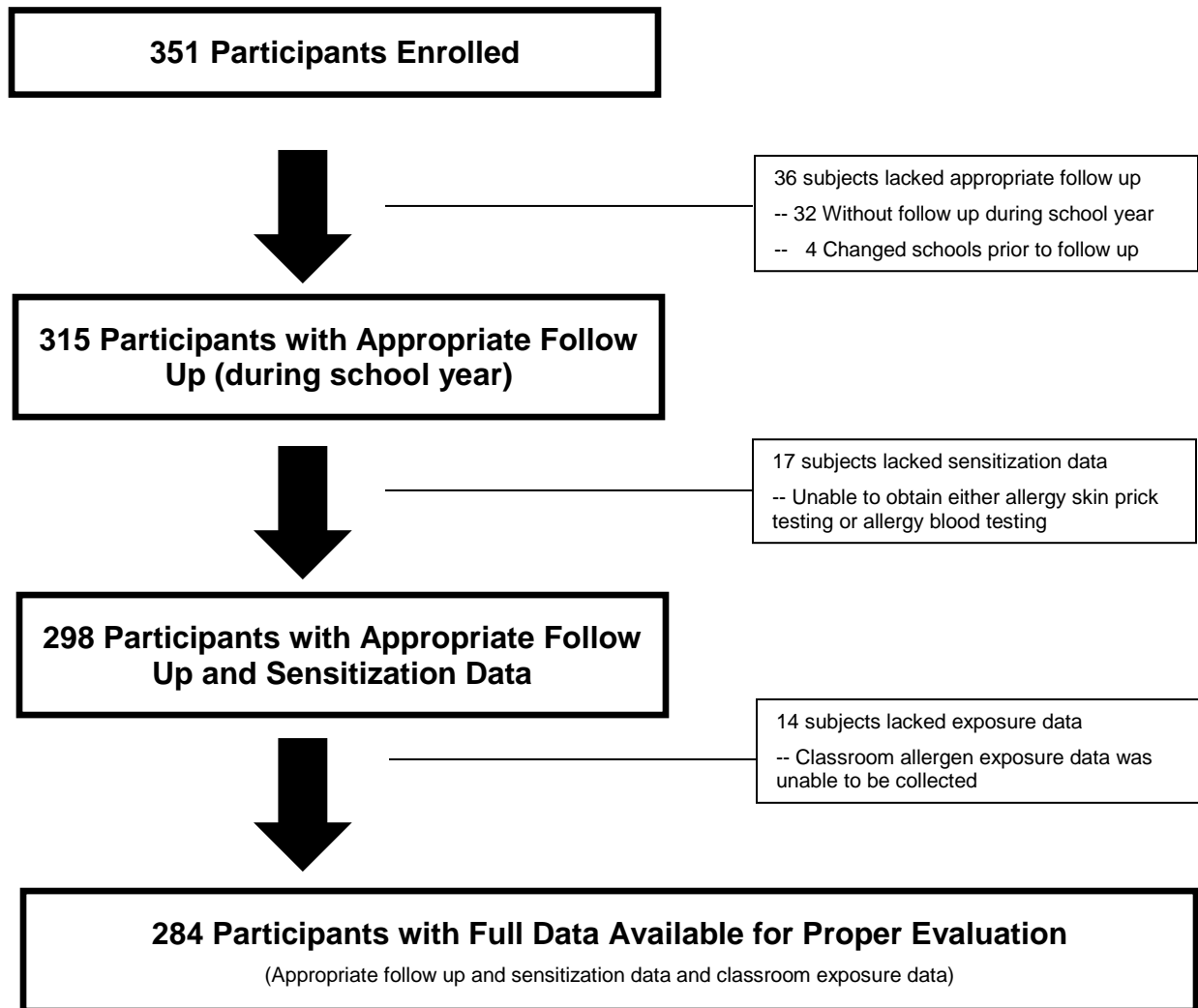
This supplementary material has been provided by the authors to give readers additional information about their work.

**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**

<b>Mouse Allergen in Settled Dust</b>					
	<b>Quintile 1</b>	<b>Quintile 2</b>	<b>Quintile 3</b>	<b>Quintile 4</b>	<b>Quintile 5</b>
	<b>LLOD – 0.157 µg/g</b>	<b>0.166 - 0.443 µg/g</b>	<b>0.454 - 1.572 µg/g</b>	<b>1.594 - 4.639 µg/g</b>	<b>4.700 - 144.2 µg/g</b>
<b>Observations (Follow up Evaluations)</b>	143	147	140	142	143
<b>Maximum Symptom Days</b>					
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%)
<b>Total Symptom Days</b>	417	429	440	459	517
<b>Mean Symptom Days</b>	2.92	2.92	3.14	3.23	3.62
<b>Median Symptom Days</b>	1	2	2	2	2
<b>Percent Likelihood of Symptom Day</b>	20.8%	20.8%	22.4%	23.1%	25.8%
<b>Crude Odds Ratio (vs. Quintile 1)</b>	--	1.00	1.10	1.14	1.32