

Supplementary Table 1. Summary of demographic and environmental data in 63 sampled homes.

Variable	Distribution
Gender	38 boys 25 girls
Age (months)	25 children 24 to 27 months old 22 children 28 to 31 months old 16 children 32 to 36 months old
Ethnicity	45 white; 35 Hispanic/Latino/Latina 12 Asian 4 Black/African-American 1 Pacific Islander/Native Hawaiian 1 mixed race
Dwelling type	29 single-family homes 10 detached homes with 2 apts 9 rowhouses/townhouses 15 apartments
Floor type in room sampled	34 rooms with carpet 29 rooms with bare floor
Season sampled	9 winter 14 spring 17 summer

	23 fall
Last time floor cleaned	35 day of sampling/previous day 26 within a week of sampling day 2 longer than a week

Supplementary Table 2. Percentage of sampling period PIPER spent at each speed and breathing zone (Shalat et al., 2011).

Position/Inlet Height (cm)		Lying 30	Crawling 40	Sitting on floor 44	Standing 84
Boys	10 cm/sec	1.7	0.2	11.8	52.1
	40 cm/sec	0	0.1	0.1	32.8
	80 cm/sec	0	0	0	1.3
Girls	10 cm/sec	2.3	0.4	11.6	58.7
	40 cm/sec	0	0.5	0.1	25.7
	80 cm/sec	0	0	0	0.9

Supplementary Table 3. Activities of children in the study cohort (n=63). The numbers in column “Expected activities” are based on parents’ answers to questions about their child’s typical activities. The numbers in column “Observed activities” refer to activities as observed by the technicians during the sampling period.

Activity	Expected activities in the room	Observed activities during sampling
Quiet Play		
Watch TV	54	41
Play a video game	9	2
Read a book/color	58	20
Play with action figures/cars/dolls	61	52
Build with blocks	46	14
Active Play		
Run around	62	39
Do gymnastics (rolls/cartwheels)	31	3
Ride on a bike/toy	43	16
Roughhouse	47	11
Play with a pet	12	1
Eat		
Eat snacks	53	37
Eat meals	26	7