

**Supplemental Table S1.** Comparison of characteristics between the observations excluded from the analytic population and the analytic population.

Characteristic	Observations excluded from analytic population (N=226)	Analytic population (N=936)	P-value (2 sample t-test)
	Median (IQR)*	Median (IQR)*	
<b>Average Age</b>	17.0 (12.5)	16.5 (20.25)	0.07
	n (%)	n (%)	
<b>Sex</b>			0.25
<b>Male</b>	28 (37.3%)	413 (44.1%)	
<b>Female</b>	47 (62.7%)	523 (55.9%)	
<b>Average total cough reports</b>	0.30	1.19	<0.001
<b>Average total fever reports</b>	0.17	0.54	<0.001
<b>Average total diarrhea reports</b>	0.08	0.23	<0.001
<b>Total Cough&gt;3</b>	0 (0.0%)	85 (9.1%)	<0.001
<b>Total Fever&gt;3</b>	1 (0.4%)	19 (2.0%)	0.01
<b>Total Diarrhea&gt;3</b>	0 (0.00%)	3 (0.32%)	0.08
<b>Median number of visits attended</b>	3.00 (4)	15 (4.5)	<0.001

\* IQR (interquartile range) is defined as the difference between the values, or spread, of the 75<sup>th</sup> and 25<sup>th</sup> percentiles of data.

**Supplemental Table S2.** Univariable mixed effects logistic regression estimates of impact of household level factors on odds of symptoms

<b>Variable</b>	<b>Odds Ratio of Fever (95% CI)</b>	<b>Odds Ratio of Cough (95% CI)</b>	<b>Odds Ratio of Diarrhea (95% CI)</b>	<b>Odds Ratio of Fever with cough (95% CI)</b>
<b>Water source</b>				
<b>Bore hole, bush pump, or     protected well</b>	REF	REF	REF	REF
<b>Open or unprotected well</b>	0.99 (0.52, 1.90)	1.39 (0.78, 2.47)	1.60 (0.59, 4.32)	1.02 (0.40, 2.60)
<b>Piped water</b>	1.11 (0.77, 1.59)	0.98 (0.71, 1.35)	0.90 (0.49, 1.66)	0.77 (0.43, 1.38)
<b>Toilet type</b>				
<b>Owned pit latrine</b>	REF	REF	REF	REF
<b>Shared pit latrine</b>	1.04 (0.69, 1.57)	1.07 (0.77, 2.01)	1.08 (0.58, 2.01)	1.24 (0.69, 2.23)
<b>Number of children in the house</b>	0.99 (0.94, 1.04)	0.97 (0.93, 1.02)	1.03 (0.94, 1.12)	0.77 (0.43, 1.38)
<b>Number of people in the house</b>	0.97 (0.93, 1.01)	0.98 (0.94, 1.01)	0.96 (0.33, 2.8)	0.94 (0.88, 1.0)