

Figures

Table 1. Participant Distribution (n=356).

Age	Group			
	Filter	Bucket	Control	All
< 1 yr	86	44	43	173
1yr<age<2yr	73	38	37	148
2yr<age<3yr	47	2	24	95
All	206	106	104	
	Initially Enrolled			416
	Dropped Out			60
	Currently Enrolled			356

Table 2. qPCR Panels (n=356). The first panel consisted of enteroaggregative *Escherichia coli* and enterohemorrhagic *Escherichia coli*. The second panel contained *Giardia*, *Campylobacter*, and *Cryptosporidium*. The third panel tested for enterotoxigenic *Escherichia coli*, *Shigella*, and *Adenovirus*.

Panel	Species Target	Gene Target
E. coli	EAEC	aaIC
	EAEC	aatA
	EPEC/EHEC	Eae
Protozoa	Giardia	18s RRNA
	Campylobacter	cadF
	Cryptosporidium	18s rRNA
Third	ETEC	STh/STp/LT
	EIEC/Shigella	ipaH
	Adenovirus	Hexon

Table 3. Ratios of pathogen prevalence determined by positive findings in intervention groups relative to the control group. (n=356).

Pathogen	Group A vs D Prevalence ratio (95% confidence interval)	Group B vs D Prevalence ratio (95% confidence interval)	Group C vs D Prevalence ratio (95% confidence interval)	P-Value Group A vs D
EAEC	1.15 (0.80, 1.65)	1.17 (0.82, 1.68)	1.03 (0.72, 1.47)	0.7
EHEC	1.17 (0.85, 1.62)	1.36 (1.0, 1.86)	1.41 (1.04, 1.90)	0.09
Giardia	0.64 (0.43, 0.95)	1.07 (0.76, 1.51)	0.72 (0.50, 1.04)	0.02
Campylobacter	0.84 (0.25,2.85)	0.72 (0.20, 2.62)	0.59 (0.16, 2.16)	0.9
Cryptosporidium	0.84 (0.17, 4.11)	0.60 (0.10, 3.53)	0.74 (0.15, 3.60)	0.8
ETEC	1.13 (0.55, 2.29)	1.05 (0.50, 2.18)	0.92 (0.44, 1.90)	0.6
Shigella	1.10 (0.55, 2.18)	1.45 (0.94, 1.75)	0.85 (0.42, 1.73)	0.4
Adenovirus	1.11 (0.80, 1.53)	1.28 (0.94, 1.75)	1.25 (0.92, 1.69)	0.6

Figure 1: In-flow vs out-flow total coliform counts and distributions at 6 month filters with silver (top) and 24 month filters without silver with calculated log reductions (bottom). (n=356)

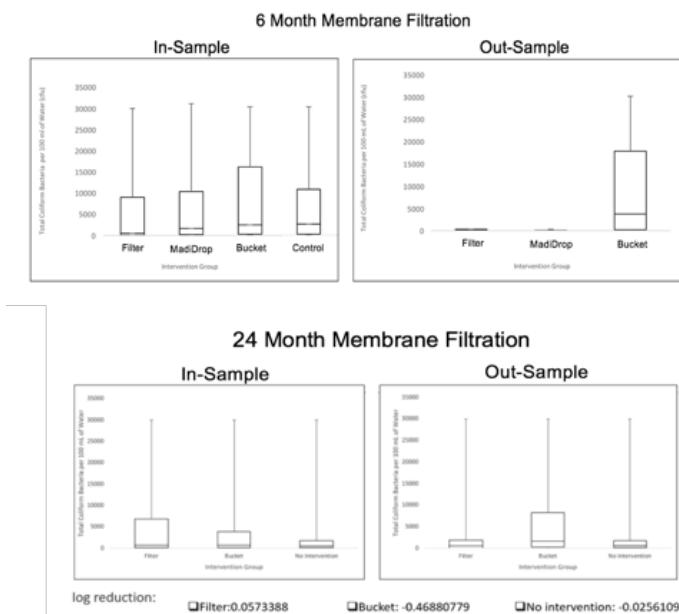


Figure 2. SmartSpout Spigot Data (n=356).

