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Supplemental Tables 1–4

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Note. The authors submitted these supplemental tables as additional resources for readers. The *Journal of Environmental Health* did not copy edit or format the text.

SUPPLEMENTAL MATERIALS

Table S1: Bivariate statistics showing selected data on water testing and treatment behaviors by level of education, testing for the difference between groups using chi-square statistics. Percentages calculated within each income group to allow for cross-group comparison. Those who did not respond to the education question (n=37) have been dropped for this table.

	Highest Education Level Completed of Survey Respondents (n=765)							
	High School/ GED (n=8)	Technical/ Community College (n=30)	Some College (n=53)	Bachelor's Degree (n=215)	Some Graduate School (n=53)	Graduate Degree (n=399)	Prefer not to say (n=7)	p- value
Have ever had their well water tested	3 (37.5%)	22 (73.3%)	34 (64.2%)	133 (61.9%)	36 (67.9%)	287 (71.9%)	3 (42.9%)	0.002
Last time the well water was tested								
<1 year	2 (25.0%)	3 (10.0%)	1 (1.9%)	14 (6.5%)	6 (11.3%)	37 (9.3%)	0 (0.0%)	
1-5 years	1 (12.5%)	6 (20.0%)	16 (30.2%)	55 (25.6%)	12 (22.6%)	106 (26.6%)	0 (0.0%)	
5+ years	0 (0.0%)	13 (43.3%)	16 (30.2%)	64 (2.8%)	17 (32.1%)	141 (35.3%)	3 (42.9%)	
Missing	5 (62.5%)	8 (26.7%)	20 (37.7%)	82 (38.1%)	18 (34.0%)	115 (28.8%)	4 (57.1%)	0.09
Last time the septic tank was pumped								
<1 year	4 (50.0%)	6 (20.0%)	21 (39.6%)	50 (23.3%)	10 (18.9%)	104 (26.1%)	2 (28.6%)	
1-5 years	2 (25.0%)	17 (56.7%)	24 (45.3%)	131 (60.9%)	27 (50.9%)	226 (56.6%)	3 (42.9%)	
6+ years	1 (12.5%)	4 (13.4%)	4 (7.6%)	24 (11.2%)	9 (17.0%)	47 (11.8%)	0 (0.0%)	
Never	1 (12.5%)	2 (6.7%)	2 (3.8%)	7 (3.3%)	3 (5.7%)	18 (4.5%)	1 (14.3%)	0.08
Treat their well water	3 (37.5%)	11 (36.7%)	26 (49.1%)	104 (48.4%)	22 (41.5%)	192 (48.1%)	0 (0.0%)	0.24
How often recommended treatment system maintenance is done								
Rarely or never								
Less often	0 (0.0%)	0 (0.0%)	1 (1.9%)	4 (1.9%)	2 (3.7%)	2 (0.5%)	0 (0.0%)	
As recommended	0 (0.0%)	1 (3.3%)	3 (5.7%)	15 (7.0%)	3 (5.6%)	24 (6.0%)	0 (0.0%)	
Missing	3 (37.5%)	10 (33.3%)	18 (34.0%)	84 (39.1%)	18 (33.3%)	159 (39.8%)	0 (0.0%)	
	5 (62.5%)	19 (63.3%)	31 (58.5%)	112 (52.1%)	31 (57.4%)	210 (52.6%)	7 (100.0%)	0.91

Table S2: Bivariate statistics showing selected data on beliefs and motivating factors behind water knowledge, testing, and treatment by level of education, testing for the difference between groups using chi-square statistics. Percentages calculated within each income group to allow for cross-group comparison. Those who did not respond to the education question (n=37) have been dropped for this table.

	Highest Education Level Completed of Survey Respondents (n=765)							
Survey Question	High School/ GED (n=8)	Tech/ Comm College (n=30)	Some College (n=53)	Bachelor's Degree (n=2175)	Some Graduate School (n=53)	Graduate Degree (n=399)	Prefer not to say (n=7)	p-value
Free or discounted testing would motivate me to test more frequently	6 (75.0%)	27 (90.0%)	46 (85.8%)	194 (90.2%)	47 (88.7%)	349 (87.5%)	6 (85.7%)	0.12
Collection of sample and/or convenient drop-off would increase my testing frequency	3 (37.5%)	23 (76.7%)	32 (60.4%)	138 (64.2%)	33 (62.3%)	270 (67.7%)	3 (42.9%)	0.12
Annual testing reminders would increase my testing frequency	2 (25.0%)	12 (40.0%)	17 (32.1%)	89 (41.4%)	18 (34.0%)	163 (40.9%)	3 (42.9%)	<0.001
If free programs for water education and support were developed, I would use them	6 (75.0%)	22 (73.3%)	32 (60.4%)	156 (72.6%)	41 (75.9%)	289 (72.4%)	4 (57.1%)	0.87
I believe that regular water quality testing is important for safety	7 (87.5%)	28 (93.3%)	42 (79.2%)	182 (84.7%)	44 (83.0%)	332 (83.2%)	5 (71.4%)	0.80
My health would be negatively impacted by drinking	5 (62.5%)	14 (46.7%)	21 (39.6%)	116 (54.0%)	25 (47.2%)	193 (48.4%)	1 (14.3%)	0.18

untreated well water								
If a water quality test found an issue with my well water, I would take steps to address the issue	8 (100.0%)	27 (90.0%)	51 (96.2%)	207 (96.3%)	52 (98.1%)	384 (96.2%)	7 (100.0%)	0.75
I believe that well testing requirements are effective ways to ensure water safety	5 (62.5%)	22 (73.3%)	40 (75.5%)	157 (73.0%)	35 (66.0%)	317 (79.4%)	5 (71.4%)	0.24
I am confident I know how to select the proper water treatment option	6 (75.0%)	19 (63.3%)	36 (66.0%)	118 (54.9%)	30 (56.6%)	207 (51.9%)	4 (57.1%)	0.45
I know how to ensure water safety after an emergency (flood/fire)	6 (75.0%)	21 (70.0%)	35 (66.0%)	134 (62.3%)	38 (71.7%)	244 (61.2%)	6 (85.7%)	0.08
I want to learn more about how to protect my well and water safety	7 (87.5%)	27 (90.0%)	48 (90.6%)	183 (85.1%)	47 (88.7%)	363 (91.0%)	6 (85.7%)	0.07
I know where to find more information about well management and water treatment.	6 (75.0%)	22 (73.3%)	32 (60.4%)	105 (48.8%)	32 (60.4%)	211 (52.9%)	4 (57.1%)	<0.001
I know how to get my well water tested	6 (75.0%)	22 (73.3%)	39 (73.6%)	138 (64.2%)	42 (79.2%)	287 (71.9%)	6 (85.7%)	0.06*

Table S3: Reported concerns, prior water testing reported, and prior issues identified through testing.

Water Issue	Concerns Reported	Prior Testing Reported	Prior Issues Identified
Arsenic	23.2%	24.9%	2.9%
Bacteria/Viruses/ Parasites	38.2%	N/A	N/A
Total Coliform, E. Coli	N/A	48.0%	13.0%
Copper	15.8%	22.3%	1.5%
Fluoride	8.8%	16.7%	1.2%
Hardness	51.6%	38.4%	20.6%
Iron	24.7%	27.4%	7.1%
Lead	23.7%	26.9%	1.9%
Nitrates/Nitrites	15.6%	25.4%	1.5%
Pesticides	16.6%	N/A	N/A
PFAS	22.3%	1.1%	0.5%
pH	N/A	32.3%	3.2%
Uranium/Radioactive Elements	33.8%	24.7%	9.5%
None	16.9%	Na	20.6%

N/A indicates where a question did not explicitly ask about the issue in this format.

Table S4: Appropriateness of treatment by concern and prior test findings. Treatment modalities listed here for each water issue would be considered likely to be effective in addressing the specific concern.

Water Issue	Percent of those properly treating for reported concerns	Percent properly treating for previously identified issues
Arsenic	Reverse Osmosis 23.2% Ion Exchange 2.2%	Reverse Osmosis 60.9% Ion Exchange 4.3%
Bacteria/Viruses/Parasites	UV 25.4% Reverse Osmosis 21.7% Chlorination 1.0%	UV 41.3% Reverse Osmosis 23.1% Chlorination 1.9%
Copper	Reverse Osmosis 22.4% Ion Exchange 4.0%	Reverse Osmosis 33.3% Ion Exchange 16.7%
Fluoride	Reverse Osmosis 18.8% Ion Exchange 2.9%	Reverse Osmosis 20.0% Ion Exchange 0.0%
Hardness	Water Softener 36.0% Reverse Osmosis 23.9%	Water Softener 47.9% Reverse Osmosis 35.3%
Iron	Iron Filter 12.8% Reverse Osmosis 24.1% Water Softener 33.3% Sediment Filter 26.7% Carbon Filter 22.0%	Iron Filter 24.8% Reverse Osmosis 26.3% Water Softener 45.6% Sediment Filter 40.4% Carbon Filter 35.1%
Lead	Reverse Osmosis 19.5% Ion Exchange 3.2%	Reverse Osmosis 13.3% Ion Exchange 0.0%
Nitrates/Nitrites	Reverse Osmosis 21.3% Ion Exchange 2.5%	Reverse Osmosis 41.7% Ion Exchange 8.3%
Uranium/Radioactive Elements	Reverse Osmosis 26.7% Ion Exchange 2.7%	Reverse Osmosis 52.6% Ion Exchange 7.9%