

Supplementary Table 1. Item analysis of severity, susceptibility, response efficacy, self-efficacy, benefits, barriers, personal behavior, and community behavior for women's environmental health (N=210)

Scales	Subscales	Item no.	Mean	SD	Item-total γ	Factor-scale γ	Cronbach's α	Cronbach's α (95% CI)	Mean (SD)
Severity	Chemicals	12	3.62	0.92	0.74	0.88	0.8	0.84 (.82-.88)	37.98 (5.66)
		9	3.39	0.96	0.72				
		10	3.63	0.97	0.67				
		11	3.38	0.91	0.64				
	Electromagnetic waves	8	4.00	0.79	0.71	0.79	0.74		
		7	3.74	0.82	0.68				
		23	4.54	0.61	0.62				
	Harmful food	18	3.78	0.98	0.61	0.76	0.7		
		19	3.88	0.9	0.6				
22		4.03	0.77	0.58					
Susceptibility	Reproductive health problems	3	4.35	0.61	0.85	0.95	0.94	0.92 (.90-.94)	
		2	4.36	0.63	0.82				
		4	4.35	0.61	0.82				
		1	4.3	0.64	0.8				
		6	4.32	0.67	0.78				
		7	4.27	0.64	0.76				
		8	4.28	0.69	0.75				
	General health problems	9	4.5	0.63	0.75	0.86	0.78		
		10	4.47	0.63	0.72				
		12	4.36	0.7	0.56				
		11	3.9	0.95	0.71				
Response efficacy	Avoid toxicant	1	4.01	0.76	0.72	0.97	0.87	0.88 (.86-.91)	
		12	3.89	0.93	0.74				
		6	4.44	0.72	0.68				
		7	4.16	0.77	0.67				
		8	3.72	0.92	0.66				
		11	4.14	0.8	0.65				
	Pursuit of health	5	4.36	0.78	0.61	0.86	0.76		
		2	4.48	0.67	0.72				
		3	4.32	0.73	0.73				
		4	4.45	0.7	0.5				
Self-efficacy	Preventive efficacy	9	2.28	1.1	0.69	0.84	0.88	0.9 (.88-.92)	
		6	3.17	0.93	0.67				
		7	2.82	1	0.58				
		8	3.2	0.96	0.57				
		5	3.4	0.92	0.47				
	Judgement efficacy	10	2.94	1.1	0.72	0.86	0.86		
		11	3.35	1.1	0.72				
		14	2.75	1.11	0.71				
		12	3.6	0.86	0.71				
		13	3.51	0.96	0.6				
	Control efficacy	3	3.69	0.79	0.69	0.73	0.8		
		2	3.7	0.86	0.68				
		1	3.93	0.82	0.64				
4		3.97	0.71	0.48					
Benefits	Psychological gainbenefits	10	3.94	0.84	0.8	0.82	0.91	0.91 (.89-.93)	
		9	3.95	0.84	0.79				
		8	3.92	0.87	0.77				
		7	3.8	0.9	0.73				
		6	4	0.75	0.65				

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Supplementary Table 1. Continued

Scales	Subscales	Item no.	Mean	SD	Item-total γ	Factor-scale γ	Cronbach's α	Cronbach's α (95% CI)	Mean (SD)
Barriers	Physical gain/benefits	5	3.74	0.91	0.72	0.92	0.85	0.85 (.82-.88)	33.42 (6.10)
		3	3.4	0.99	0.63				
		4	3.74	0.89	0.47				
	Negative atmosphere	17	3.35	0.96	0.7	0.87	0.83		
		12	3.07	0.93	0.69				
		16	3.2	0.99	0.61				
		8	3.17	0.98	0.5				
		18	3	1	0.4				
	Burden	13	3.49	0.89	0.68	0.84	0.81		
		5	3.49	0.95	0.67				
6		3.54	0.89	0.64					
4		3.71	0.87	0.6					
3		3.4	1	0.57					
Personal health behavior	Lifestyle	3	3.08	0.99	0.76	0.87	0.9	0.9 (.88-.92)	55.11 (9.74)
		4	3.24	1.1	0.74				
		5	3.12	1.1	0.69				
		1	3.14	0.95	0.69				
		2	3.2	0.95	0.68				
		7	2.59	1.14	0.67				
	Personal goods	6	3.56	1.24	0.64	0.77	0.84		
		15	3.23	1.15	0.63				
		13	3.16	1.03	0.65				
		14	3.14	1.22	0.64				
	Food	12	2.96	1.12	0.59	0.82	0.82		
		10	2.7	1.09	0.67				
		9	3.32	1.03	0.66				
	Dust	11	3.79	0.96	0.65	0.61	0.81		
		18	3.99	1	0.55				
		17	4.18	1.07	0.52				
16		3.56	1.12	0.48					
Community health behavior	Reduction	1	3.33	0.97	0.73	0.85	0.89	0.91 (.89-.93)	55.10 (9.16)
		2	3.36	0.91	0.76				
		3	3.2	1	0.64				
		4	3.44	0.96	0.77				
	Involvement	5	3.2	0.93	0.64	0.84	0.83		
		16	3.25	1.03	0.71				
		13	3.41	0.94	0.68				
		17	3.5	1.12	0.64				
		18	3.02	1.08	0.62				
	Recycling	12	2.92	1.1	0.59	0.68	0.77		
		10	4.14	1.02	0.57				
		11	3.42	1.15	0.56				
	Reuse	9	4.3	0.79	0.55	0.77	0.77		
		6	3.4	0.86	0.68				
8		3.54	0.84	0.67					
7		3.66	0.85	0.56					

CI: Confidence interval.