

Supplemental materials for

Perera A, Thomas M, Petrie K, et al. Reducing expectations for antibiotics in patients with upper respiratory tract infections: a primary care randomized controlled trial. *Ann Fam Med.* 2021;19(3):232-239.

Supplemental Table 1. Univariate odds ratios (OR) of the likelihood of expecting antibiotics in the post-presentation questionnaire for the type of presentation viewed, participant characteristics, illness characteristics and opinions regarding their illness.* covariates; **treated as categorical variables; NZE, New Zealand European.

		OR	OR 95% CI	P
Presentation viewed	Control	Reference		
	Futility	0.45	0.27-0.75	<0.01
	Adverse effects	0.53	0.32-0.86	
Age*		1.01	1.0-1.02	
Ethnicity	NZE/other	Reference		0.12
	Māori	2.51	0.81-7.74	
	Pacific	0.96	0.32-2.92	
	Asian	0.55	0.26-1.14	
Sex	Male	1.87	1.2-2.9	0.005
Child	Yes	0.62	0.39-.97	0.038
Highest education level	Tertiary	Reference		0.13
	Primary/Secondary	1.4	0.80-2.43	
	Trade/technical	1.65	0.97-2.80	
Symptoms	Cough	1.32	0.83-2.10	0.24
	Sore throat	1.85	1.23-2.78	0.003
	Nasal	0.86	0.57-1.3	0.47
	Earache	1.3	0.82-2.07	0.27
Participant's symptom severity*		1.4	1.15-1.7	0.001
Participant's degree of concern*		1.22	1.05-1.42	0.009
Expect antibiotics (post-presentation)	Neutral	Reference		

questionnaire)**	Strongly disagree	0.03	0.01-0.07	<0.01
	Disagree	0.659	0.31-1.4	
	Agree	5.13	2.5-10.4	
	Strongly agree	24.36	11.79-50.35	
Antibiotics are helpful (post-presentation questionnaire)**	Neutral	Reference		
	Strongly disagree	0.12	0.06-.23	<0.01
	Disagree	0.25	0.12-0.56	
	Agree	2.2	1.1-4.41	
	Strongly agree	4.49	2.44-8.25	

Supplemental Table 2. Univariate odds ratios (OR) of the likelihood of receiving an antibiotic prescription or being dispensed an antibiotic for the type of presentation viewed, participant characteristics, illness characteristics and opinions regarding their illness.* covariates; **treated as categorical variables; NZE, New Zealand European, NR, no result.

		Antibiotic prescription received			Antibiotic dispensed		
		OR	95%CI	P	OR	95%CI	P
Presentation viewed	Control	Reference			ref		
	Futility	0.98	0.54-1.76	0.71	0.92	0.51-1.67	0.79
	Adverse effects	0.89	0.48-1.64	0.71	1.39	0.73-2.65	0.31
Age*		1.02	1.00-1.03	0.09	1.01	0.99-1.03	0.31
Ethnicity	NZE	Reference			ref		
	Maori	0.26	0.03-2.12	0.21	1.28	0.26-6.30	0.76
	Pacific	0.21	0.03-1.66	0.14	1.65	0.35-7.79	0.53
	Asian	0.64	0.26-1.54	0.32	1.83	0.67-4.96	0.24
	Other	NR			NR		
Sex	Male	0.65	0.38-1.13	0.13	1.2	0.69-2.06	0.52
Child	Yes	0.99	0.57-1.7	0.96	0.98	0.56-1.72	0.95
Education	Tertiary	Reference			ref		
	School	0.73	0.35-1.49	0.38	1.45	0.71-2.96	0.31
	Trade/technical	1.06	0.56-2.0	0.86	1.00	0.40-2.49	1.00

Symptoms	Cough	1.2	0.68-2.12	0.52	0.92	0.52-1.62	0.76
	Sore throat	0.92	0.57-1.51	0.75	0.96	0.57-1.59	0.87
	Nasal	1.21	0.74-1.98	0.45	1.00	0.54-1.88	0.99
	Earache	1.98	1.15-3.4	0.01	1.67	0.96-2.93	0.07
Symptom severity*		1.35	1.05-1.72	0.02	1.51	1.17-1.95	<0.01
Degree of concern*		1.14	0.95-1.37	0.17	1.12	0.93-1.34	0.24
Expect antibiotics **	Neutral	Reference			Reference		
	Strongly disagree	0.65	0.33-1.3	0.22	0.61	0.29-1.30	0.20
	Disagree	0.88	0.34-2.25	0.79	0.88	0.34-2.29	0.79
	Agree	1.16	0.52-2.63	0.72	1.23	0.55-2.97	0.57
	Strongly agree	2.33	1.15-4.72	0.02	3.48	1.73-7.01	<0.01
Antibiotics are helpful**	Neutral	Reference			Reference		
	Strongly disagree	0.73	0.40-1.36	0.32	1.45	0.75-2.79	0.27
	Disagree	0.89	0.37-2.15	0.80	1.09	0.48-2.66	0.85
	Agree	0.93	0.45-1.93	0.85	0.87	0.42-1.78	0.70
	Strongly agree	1.51	0.58-3.91	0.40	1.79	0.70-4.55	0.23