Supplemental Material

Supplementary Methods

In the survey, subjects were presented with the following short scenario ("your patient" or appropriate pronoun was substituted in the survey for clinicians) prior to answering survey questions:

> *"Imagine that you come to the hospital complaining that your nose has been running with yellow mucus for the past 7 days. In addition, your nose has also been stuffed, causing mild discomfort. Finally, your eyes are watering, your throat is sore, you've been having a cough, and your muscles have been aching. You have tried taking Tylenol but it hasn't helped. The doctor examines you). The doctor tells you that you have a low fever, but everything seems normal on your physical exam. Your blood pressure and heart rate are normal, and your lungs also sound normal.*

In Studies 1 and 2, the scenario was presented from the perspective of the patient, whereas in Study 3, the scenario was presented from the provider's perspective.

Regression Analysis Model Selection

In order to control model complexity while still accounting for the possibility of interactions between gists, we used stepwise model selection to choose logistic regression models predicting prior use and expectations for antibiotics in the online sample. For each dependent variable (prior use of, or expectations for, antibiotics), we used three separate stepwise techniques to find candidate best-fitting models, as follows:

1) Starting with a null model, we used stepwise forward model selection to progressively add demographic variables, latent factors, and their interactions.

2) Starting with a saturated model, we used stepwise backwards elimination to progressively remove demographic variables, latent factors, and their interactions.
3) Starting with a model including only main effects but no interactions, we used both stepwise forward model selection and stepwise backwards elimination to examine the effects of adding interaction terms and removing main effects.

Each of these three procedures yielded a best-fitting model, as determined by the regression model with the lowest Akaike Information Criterion (AIC) score. Finally, we selected among the there resulting models by selecting the one with the lowest AIC. Results of this selection procedure are shown in Table S12 and Table S13. Results did not differ qualitatively between stepwise selection procedures (i.e., more complex model parameters were not significant after controlling for multiple comparisons).

Table S1

Item Loadings Based on an Exploratory Factor Analysis of Study 1 with Varimax Rotation for 46 Survey Items

Item Short Form	1 (14%)	2 (11%)	3 (11%)	4 (9%)	5 (6%)	6 (4%)
Germs are Germs						
Yes against viruses					0.87	
No against viruses					-0.82	
Yes against bacteria					-0.59	
No against bacteria					0.54	
Viral can turn into bacterial						
Viral can’t turn into bacterial						
Why Not Take a Risk? (Antibiotics Can’t Hurt)						
Don’t know about ABX, but it can’t hurt/ABX can’t hurt pt	0.69					
Might not help, but better safe than sorry	0.76					
Take ABX just in case	0.74					
ABX might help and can’t hurt	0.69					

It can't hurt	0.6		
Better safe than sorry	0.75		
Might as well take a chance	0.69		
Better safe than sorry, so take ABX	0.71		
Might not work but why take a chance?	0.71		
Antibiotics Don't Help			
Might not help, so better not to take ABX		0.68	
Don't take ABX if they don't make me better		0.48	
ABX don't help and can hurt		0.69	
ABX might not be safe		0.55	
Should NOT take a chance		0.51	
Better safe than sorry, so no ABX		0.65	
Might not work so why take ABX?		0.62	
Side Effects (Antibiotics Can Hurt)			
Don't know, but (I/pt) might get side effects			0.7
Don't know but (I/pt) won't get side effects			-0.62

(I/Pt) might get side effects			0.77	
(I/Pt) won't get side effects			-0.72	
ABX might have side effects			0.8	
ABX don't have side effects			-0.75	
Don't know about ABX, but it might hurt/ ABX could hurt pt			0.41	
It could hurt		0.41	0.49	
Antibiotics Help				
Yes against germs				0.59
No against germs				-0.61
(I/Pt) (don't/doesn't) need ABX		0.41		-0.45
(I/Pt) need ABX				0.59
I know ABX help	0.43			0.49
I don't know if ABX help				
ABX will help		-0.47		0.49
ABX might not help				-0.57
Symptoms go away with ABX				0.52

Symptoms don't go away with ABX		
Antibiotics Should be Taken for Strep Throat		
Yes for strep		0.92
No for strep		-0.88
The Doctor Doesn't Believe Me		
Doctor doesn't believe me/I don't believe pt	0.43	
Doctor takes (me/pt) seriously		
Going to the ER Necessitates Antibiotics		
ER means ABX		
ER doesn't mean ABX		

Note. Factor loadings >0.40 are shown

Table S2

Item Loadings Based on an Exploratory Factor Analysis of Study 2 with Varimax Rotation for 46 Survey Items

Item Short Form	1 (17%)	2 (11%)	3 (9%)	4 (4%)
Germs are Germs				
Yes against viruses				-0.69
No against viruses				0.78
Yes against bacteria				
No against bacteria				
Viral can turn into bacterial				
Viral can't turn into bacterial		0.41		
Why Not Take a Risk? (Antibiotics Can't Hurt)				
Don't know about ABX, but it can't hurt/ABX can't hurt pt	0.72			
Might not help, but better safe than sorry	0.85			
Take ABX just in case	0.75			
ABX might help and can't hurt	0.6		0.4	
It can't hurt	0.57			

Better safe than sorry	0.8		
Might as well take a chance	0.76		
Better safe than sorry, so take ABX	0.8		
Might not work but why take a chance?	0.45		
Antibiotics Don't Help			
Might not help, so better not to take ABX		0.7	
Don't take ABX if they don't make me better			
ABX don't help and can hurt		0.71	
ABX might not be safe		0.76	
Should NOT take a chance		0.52	
Better safe than sorry, so no ABX		0.69	
Might not work so why take ABX?		0.68	
Side Effects (Antibiotics Can Hurt)			
Don't know, but (I/pt) might get side effects			-0.49
Don't know but (I/pt) won't get side effects			0.5
(I/Pt) might get side effects			-0.65

(I/Pt) won't get side effects			0.46
ABX might have side effects			-0.61
ABX don't have side effects			0.58
Don't know about ABX, but it might hurt/ ABX could hurt pt		0.41	
It could hurt			
Antibiotics Help			
Yes against germs	0.51		0.47
No against germs			-0.49
(I/Pt) (don't/doesn't) need ABX		0.42	
(I/Pt) need ABX	0.6		
I know ABX help	0.62		
I don't know if ABX help			
ABX will help	0.49		
ABX might not help			-0.5
Symptoms go away with ABX	0.42		
Symptoms don't go away with ABX		0.65	

Antibiotics Should be Taken for Strep Throat		
Yes for strep		
No for strep		0.43
The Doctor Doesn't Believe Me		
Doctor doesn't believe me/I don't believe pt		
Doctor takes (me/pt) seriously		
Going to the ER Necessitates Antibiotics		
ER means ABX	0.56	
ER doesn't mean ABX		

Note. Factor loadings >0.40 are shown

Table S3

Item Loadings Based on an Exploratory Factor Analysis of Study 3 with Varimax Rotation for 46 Survey Items

Item Short Form	1 (11%)	2 (11%)	3 (8%)	4 (5%)
Germs are Germs				
Yes against viruses				
No against viruses				
Yes against bacteria				
No against bacteria				
Viral can turn into bacterial				
Viral can't turn into bacterial				
Why Not Take a Risk? (Antibiotics Can't Hurt)				
Don't know about ABX, but it can't hurt/ABX can't hurt pt	0.46			
Might not help, but better safe than sorry		0.76	0.41	
Take ABX just in case		0.62		
ABX might help and can't hurt	0.51	0.48		
It can't hurt	0.55			

Better safe than sorry		0.73	
Might as well take a chance		0.64	
Better safe than sorry, so take ABX		0.79	
Might not work but why take a chance?		0.59	
Antibiotics Don't Help			
Might not help, so better not to take ABX			0.54
Don't take ABX if they don't make me better			0.55
ABX don't help and can hurt		-0.44	
ABX might not be safe			0.58
Should NOT take a chance			0.43
Better safe than sorry, so no ABX			0.53
Might not work so why take ABX?			
Side Effects (Antibiotics Can Hurt)			
Don't know, but (I/pt) might get side effects	-0.44		
Don't know but (I/pt) won't get side effects	0.53		
(I/Pt) might get side effects	-0.76		

(I/Pt) won't get side effects	0.56	
ABX might have side effects	-0.66	
ABX don't have side effects	0.59	
Don't know about ABX, but it might hurt/ ABX could hurt pt	-0.57	
It could hurt	-0.73	
Antibiotics Help		
No against germs		
(I/Pt) (don't/doesn't) need ABX		-0.58
(I/Pt) need ABX		0.52
I know ABX help		0.56
I don't know if ABX help		
ABX will help		0.7
ABX might not help		
Symptoms go away with ABX		0.66
Symptoms don't go away with ABX		
Antibiotics Should be Taken for Strep Throat		

Yes for strep		
No for strep		
The Doctor Doesn't Believe Me		
Doctor doesn't believe me/I don't believe pt		
Doctor takes (me/pt) seriously		
Going to the ER Necessitates Antibiotics		
ER means ABX	-0.44	
ER doesn't mean ABX	0.47	0.41

Note. Factor loadings >0.40 are shown

Table S4

Item Loadings Based on an Exploratory Factor Analysis of Online Sample with Oblimin Rotation for 46 Survey Items

Item Short Form	1 (19%)	2 (10%)	3 (7%)	4 (7%)	5 (7%)	6 (4%)
Germs are Germs						
Yes against viruses			0.95			
No against viruses			-0.9			
Yes against bacteria			-0.61			
No against bacteria			0.52			
Viral can turn into bacterial			0.43			
Viral can’t turn into bacterial						
Why Not Take a Risk? (Antibiotics Can’t Hurt)						
Don’t know about ABX, but it can’t hurt/ABX can’t hurt pt	0.79					
Might not help, but better safe than sorry	0.93					
Take ABX just in case	0.91					
ABX might help and can’t hurt	0.8					

It can't hurt	0.66	
Better safe than sorry	0.89	
Might as well take a chance	0.81	
Better safe than sorry, so take ABX	0.83	
Might not work but why take a chance?	0.9	
Antibiotics Don't Help		
Might not help, so better not to take ABX		0.59
Don't take ABX if they don't make me better		
ABX don't help and can hurt		0.64
ABX might not be safe		0.51
Should NOT take a chance		0.50
Better safe than sorry, so no ABX		0.53
Might not work so why take ABX?		0.59
Side Effects (Antibiotics Can Hurt)		
Don't know, but (I/pt) might get side effects	0.75	
Don't know but (I/pt) won't get side effects	-0.61	

(I/Pt) might get side effects		0.82	
(I/Pt) won't get side effects		-0.76	
ABX might have side effects		0.84	
ABX don't have side effects		-0.77	
Don't know about ABX, but it might hurt/ ABX could hurt pt			
It could hurt			
Antibiotics Help			
Yes against germs			0.51
No against germs			-0.57
(I/Pt) (don't/doesn't) need ABX			-0.44
(I/Pt) need ABX			0.52
I know ABX help	0.4		
I don't know if ABX help			
ABX will help			
ABX might not help			-0.52
Symptoms go away with ABX			0.45

Symptoms don't go away with ABX	
Antibiotics Should be Taken for Strep Throat	
Yes for strep	0.94
No for strep	-0.89
The Doctor Doesn't Believe Me	
Doctor doesn't believe me/I don't believe pt	
Doctor takes (me/pt) seriously	
Going to the ER Necessitates Antibiotics	
ER means ABX	
ER doesn't mean ABX	

Note. Factor loadings >0.40 are shown

Table S5

Item Loadings Based on an Exploratory Factor Analysis of ED Patient Sample with Oblimin Rotation for 46 Survey Items

Item Short Form	1 (16%)	2 (11%)	3 (9%)	4 (6%)
Germs are Germs				
Yes against viruses				-0.76
No against viruses				0.88
Yes against bacteria				
No against bacteria		0.44		
Viral can turn into bacterial				
Viral can't turn into bacterial				
Why Not Take a Risk? (Antibiotics Can't Hurt)				
Don't know about ABX, but it can't hurt/ABX can't hurt pt	0.74			
Might not help, but better safe than sorry	0.9			
Take ABX just in case	0.74			
ABX might help and can't hurt	0.5			

It can't hurt	0.5		
Better safe than sorry	0.83		
Might as well take a chance	0.73		
Better safe than sorry, so take ABX	0.81		
Might not work but why take a chance?	0.49		
Antibiotics Don't Help			
Might not help, so better not to take ABX		0.68	
Don't take ABX if they don't make me better			
ABX don't help and can hurt		0.69	
ABX might not be safe		0.8	
Should NOT take a chance		0.53	
Better safe than sorry, so no ABX		0.68	
Might not work so why take ABX?		0.64	
Side Effects (Antibiotics Can Hurt)			
Don't know, but (I/pt) might get side effects			0.56
Don't know but (I/pt) won't get side effects			-0.48

(I/Pt) might get side effects			0.68
(I/Pt) won't get side effects			-0.47
ABX might have side effects			0.62
ABX don't have side effects			-0.58
Don't know about ABX, but it might hurt/ ABX could hurt pt		0.42	
It could hurt			
Antibiotics Help			
Yes against germs			
No against germs			0.43
(I/Pt) (don't/doesn't) need ABX			
(I/Pt) need ABX	0.57		
I know ABX help	0.58		
I don't know if ABX help			
ABX will help	0.42		
ABX might not help			0.46
Symptoms go away with ABX			

Symptoms don't go away with ABX	0.58
Antibiotics Should be Taken for Strep Throat	
Yes for strep	
No for strep	0.45
The Doctor Doesn't Believe Me	
Doctor doesn't believe me/I don't believe pt	
Doctor takes (me/pt) seriously	
Going to the ER Necessitates Antibiotics	
ER means ABX	
ER doesn't mean ABX	0.47

Note. Factor loadings >0.40 are shown

Table S6

Item Loadings Based on an Exploratory Factor Analysis of Provider Sample with Oblimin Rotation for 46 Survey Items

Item Short Form	1 (13%)	2 (10%)	3 (6%)	4 (6%)
Germs are Germs				
Yes against viruses				
No against viruses				
Yes against bacteria				
No against bacteria				
Viral can turn into bacterial				
Viral can't turn into bacterial				
Why Not Take a Risk? (Antibiotics Can't Hurt)				
Don't know about ABX, but it can't hurt/ABX can't hurt pt		0.45		
Might not help, but better safe than sorry	0.83			
Take ABX just in case	0.63			
ABX might help and can't hurt	0.46			
It can't hurt		0.49		

Better safe than sorry	0.79		
Might as well take a chance	0.67		
Better safe than sorry, so take ABX	0.89		
Might not work but why take a chance?	0.62		
Antibiotics Don't Help			
Might not help, so better not to take ABX			0.55
Don't take ABX if they don't make me better			0.53
ABX don't help and can hurt	-0.43		
ABX might not be safe			0.6
Should NOT take a chance			0.48
Better safe than sorry, so no ABX			0.52
Might not work so why take ABX?			
Side Effects (Antibiotics Can Hurt)			
Don't know, but (I/pt) might get side effects		-0.45	
Don't know but (I/pt) won't get side effects		0.43	
(I/Pt) might get side effects		-0.79	

(I/Pt) won't get side effects	0.59	
ABX might have side effects	-0.65	
ABX don't have side effects	0.57	
Don't know about ABX, but it might hurt/ ABX could hurt pt	-0.52	
It could hurt	-0.73	
Antibiotics Help		
Yes against germs		
No against germs		
(I/Pt) (don't/doesn't) need ABX		-0.55
(I/Pt) need ABX		0.46
I know ABX help		0.53
I don't know if ABX help		
ABX will help		0.62
ABX might not help		
Symptoms go away with ABX		0.65
Symptoms don't go away with ABX		

Antibiotics Should be Taken for Strep Throat	
Yes for strep	
No for strep	
The Doctor Doesn't Believe Me	
Doctor doesn't believe me/I don't believe pt	
Doctor takes (me/pt) seriously	
Going to the ER Necessitates Antibiotics	
ER means ABX	-0.46
ER doesn't mean ABX	0.48

Note. Factor loadings >0.40 are shown

Table S7

Correlation values for each study in our sample.

	Study 1 (N=519)			Study 2 (N=225)			Study 3 (N=149)		
Item Short Form	Age	Education	Religion	Age	Education	Religion	Age	Experience	Religion
Germs are Germs									
Yes against viruses	-0.10*	-0.07	0.04	0.00	-0.10	0.12	0.01	-0.04	-0.15
No against viruses	0.12**	0.10*	-0.06	-0.08	0.09	-0.14	0.07	0.06	-0.01
Yes against bacteria	0.04	0.08	-0.02	0.07	-0.06	-0.01	-0.12	-0.12	-0.15
No against bacteria	-0.03	-0.02	0.02	-0.11	-0.06	0.07	0.01	0.02	0.08
Viral can turn into bacterial	-0.04	-0.04	0.07	0.05	-0.01	0.00	-0.20*	-0.16	0.10
Viral can't turn into bacterial	-0.01	0.09*	-0.08	-0.09	-0.04	-0.08	0.10	0.03	0.03
Why Not Take a Risk?									
Don't know about ABX, but it can't	-0.07	-0.04	-0.07	-0.12	-0.03	0.04	-0.03	-0.13	-0.03

hurt/ABX can't hurt pt									
Might not help, but better safe than sorry	-0.10*	-0.06	-0.07	-0.04	-0.11	0.11	-0.04	-0.09	-0.12
Take ABX just in case	-0.10*	-0.07	-0.08	-0.06	-0.17**	0.08	-0.04	-0.04	-0.11
ABX might help and can't hurt	-0.09*	-0.04	-0.06	-0.07	-0.12	0.09	0.09	0.00	0.01
It can't hurt	-0.11*	-0.04	-0.07	-0.15*	-0.05	0.02	0.26**	0.06	-0.07
Better safe than sorry	-0.12**	-0.07	-0.08	-0.06	-0.17**	0.04	0.00	-0.08	-0.15
Might as well take a chance	-0.08	-0.07	-0.08	-0.03	-0.17*	0.09	0.02	-0.04	-0.09
Better safe than sorry, so take ABX	-0.10*	-0.07	-0.08	-0.03	-0.10	0.09	-0.02	-0.04	-0.11
Might not work but	-0.11**	-0.08	-0.08	-0.05	-0.13	0.06	0.07	-0.03	-0.11

why take a chance?									
Don't know about ABX, but it might hurt/ ABX could hurt pt	0.03	0.04	0.08	-0.10	0.03	-0.06	-0.07	-0.01	0.10
Antibiotics Don't Help									
Might not help, so better not to take ABX	0.03	0.05	0.05	-0.07	0.05	-0.12	0.11	0.17*	0.12
Don't take ABX if they don't make me better	0.04	0.07	0.06	-0.06	0.11	-0.13	0.08	0.18*	-0.06
ABX don't help and can hurt	0.01	0.01	0.06	-0.08	0.11	-0.05	0.06	0.12	0.15
It could hurt	0.02	0.04	0.05	-0.01	-0.01	-0.09	-0.14	-0.08	0.08
ABX might not be	-0.04	0.04	0.04	-0.01	0.08	-0.02	-0.02	0.03	-0.06

safe									
Should NOT take a chance	0.01	0.03	-0.06	-0.00	-0.11	0.03	-0.06	-0.07	-0.09
Better safe than sorry, so no ABX	0.03	0.03	0.03	0.04	0.03	0.02	-0.02	0.08	0.00
Might not work so why take ABX?	-0.02	0.00	-0.05	-0.06	0.01	0.02	0.16*	0.19*	0.01
Side Effects									
Don't know, but (I/pt) might get side effects	-0.01	0.01	0.03	0.01	-0.02	-0.10	-0.08	-0.08	-0.02
Don't know but (I/pt) won't get side effects	-0.02	-0.03	-0.01	-0.01	0.01	0.09	0.15	0.05	-0.19*
(I/Pt) might get side effects	0.02	0.02	0.01	0.05	0.08	-0.19**	-0.21*	-0.12	0.09

(I/Pt) won't get side effects	0.00	0.05	-0.06	-0.02	-0.12	0.07	0.11	0.09	-0.17*
ABX might have side effects	0.00	0.00	0.10*	0.00	0.10	-0.06	-0.16	-0.05	0.10
ABX don't have side effects	0.00	0.04	-0.01	0.03	-0.11	0.09	0.15	0.09	-0.01
Antibiotics Help									
Yes against germs	-0.05	0.00	-0.04	-0.08	-0.05	0.08	-0.01	-0.02	-0.03
No against germs	-0.02	0.05	0.08	0.09	-0.06	-0.03	0.06	0.12	-0.06
(I/Pt) (don't/doesn't) need ABX	0.07	0.05	-0.04	-0.15*	0.05	-0.05	0.25**	0.19*	-0.03
(I/Pt) need ABX	-0.03	-0.04	-0.06	-0.04	-0.10	0.08	-0.10	-0.11	-0.12
I know ABX help	-0.04	-0.03	-0.04	0.05	-0.05	0.10	-0.11	-0.13	0.04
I don't know if ABX help	0.06	0.08	-0.02	-0.06	-0.09	0.05	-0.15	-0.13	-0.10

ABX will help	-0.04	-0.02	-0.02	0.05	-0.01	0.05	-0.19*	-0.22**	-0.02
ABX might not help	0.04	0.09*	0.07	-0.04	-0.02	-0.05	-0.13	-0.05	0.11
Symptoms go away with ABX	-0.01	-0.06	-0.05	0.03	0.02	0.04	-0.13	-0.16	0.07
Symptoms don't go away with ABX	-0.04	0.02	0.10*	-0.10	-0.04	0.11	0.19*	0.21*	0.14
Antibiotics Should be Taken for Strep Throat									
Yes for strep	0.07	0.07	-0.05	0.01	-0.07	0.02	0.05	0.13	0.07
No for strep	-0.05	-0.06	0.02	-0.07	0.07	-0.07	-0.05	-0.01	-0.10
The Doctor Doesn't Believe Me									
Doctor doesn't believe me/I don't believe pt	-0.03	-0.04	-0.07	-0.05	-0.03	0.08	-0.05	-0.02	-0.02
Going to the ER Necessitates Antibiotics									
Doctor takes (me/pt) seriously	0.06	0.05	-0.04	0.16*	-0.12	-0.01	-0.11	-0.07	0.04

ER means ABX	0.24***	0.05	-0.05	0.00	0.01	-0.06	0.00	0.01	0.09
ER doesn't mean ABX	-0.31***	-0.06	0.02	-0.31***	-0.07	0.02	0.05	-0.03	-0.12

Note. *=p<0.05, **=p<0.01, ***=p<0.001. ABX = antibiotics; Pt = patient.

Table S8
Correlations Between Oblimin Rotation Factors for Online Sample

	1	2	3	4	5
2	-0.54				
3	0.45	-0.23			
4	-0.57	0.38	-0.13		
5	0.56	-0.36	0.39	-0.29	
6	0.07	-0.05	-0.09	-0.18	0.01

Table S9
Correlations Between Oblimin Rotation Factors for ED Patient Sample

	1	2	3
2	-0.19		
3	-0.44	-0.12	
4	-0.42	0.17	0.28

Table S10
Correlations Between Oblimin Rotation Factors for Provider Sample

	1	2	3
2	0.47		
3	0.44	0.11	
4	-0.24	-0.05	-0.18

Table S11

Comparison of the Online Sample and US Census Demographic Data

	Study 1 % (N=519)	2013 US Census % (N=316,128,839)
White	78	78
Black	8	13
American Indian and Alaskan Native	0	1
Asian	9	5
Native Hawaiian and Other Pacific Islander	0	0
Two or More Races	4	2

Table S12

Best-Fitting Logistic Regression Model Predicting Prior Use of Antibiotics in Online Sample

	β	SE β	OR	
Significant Predictors After Controlling for Multiple Comparisons				
(Intercept)	-1.78	0.24	0.17	***
WNTAR	1.12	0.21	3.08	***
ABX Help	1.03	0.21	2.81	***
Asian Race	1.80	0.48	6.03	***
Strep	0.83	0.22	2.29	***
Model Variables Not Significant After Controlling for Multiple Comparisons				
Strep:SE:ABX Don't Help	0.88	0.28	2.42	**
Strep:ABX Don't Help:ABX Help	0.80	0.28	2.23	**
WNTAR:GAG:SE:ABX Help	-1.11	0.42	0.33	**
ABX Don't Help	-0.58	0.23	0.56	*
WNTAR:GAG:ABX Don't Help:ABX Help	-0.97	0.38	0.38	*
GAG:SE:ABX Don't Help:ABX Help	-1.02	0.40	0.36	*

Strep:SE:ABX Help	0.72	0.31	2.06	*
GAG:Strep:SE	-0.69	0.30	0.50	*
Strep:ABX Help	0.56	0.25	1.75	*
WNTAR:GAG:SE:ABX Don't Help	-0.84	0.38	0.43	*
WNTAR:GAG:ABX Don't Help	0.62	0.29	1.86	*
WNTAR:Strep:SE	0.78	0.37	2.18	*
SE:ABX Don't Help	-0.56	0.27	0.57	*
GAG:Strep:ABX Don't Help:ABX Help	-0.76	0.37	0.47	*
WNTAR:GAG:Strep:ABX Don't Help	0.61	0.32	1.85	
SE:ABX Don't Help:ABX Help	-0.60	0.32	0.55	
WNTAR:Strep:SE:ABX Don't Help	0.62	0.36	1.86	
Religion	0.16	0.10	1.18	
ABX Don't Help:ABX Help	-0.40	0.25	0.67	
GAG:Strep	-0.28	0.23	0.76	
WNTAR:GAG:ABX Help	0.39	0.33	1.47	
WNTAR:GAG:Strep	0.35	0.31	1.42	

WNTAR:Strep	-0.32	0.28	0.73
GAG:ABX Don't Help:ABX Help	0.38	0.33	1.46
GAG:SE	-0.30	0.27	0.74
WNTAR:SE:ABX Don't Help	0.33	0.30	1.39
Strep:SE	-0.28	0.25	0.76
WNTAR:GAG	0.28	0.26	1.32
GAG:Strep:ABX Don't Help	0.28	0.29	1.33
WNTAR:ABX Don't Help:ABX Help	0.26	0.28	1.30
SE:ABX Help	-0.22	0.24	0.80
Black/African America Race	-0.58	0.62	0.56
WNTAR:ABX Help	0.23	0.25	1.26
Mixed/Other Race	0.71	0.79	2.03
GAG:ABX Don't Help	-0.22	0.26	0.80
SE	-0.18	0.22	0.83
GAG:SE:ABX Don't Help	0.23	0.33	1.26
GAG:SE:ABX Help	0.20	0.31	1.22

Strep:ABX Don't Help	-0.12	0.24	0.89
WNTAR:ABX Don't Help	0.12	0.25	1.13
WNTAR:Strep:ABX Don't Help	0.08	0.31	1.08
GAG:ABX Help	-0.06	0.25	0.94
WNTAR:SE:ABX Help	-0.06	0.31	0.94
GAG:Strep:ABX Help	-0.05	0.29	0.95
WNTAR:SE	-0.03	0.26	0.97
GAG	0.02	0.21	1.02
WNTAR:GAG:SE	-0.02	0.36	0.98

Note. *** = $p<0.001$; ** = $p<0.01$, Not significant after controlling for multiple comparisons using the Holm-Bonferroni procedure; * = $p<0.05$, Not significant after controlling for multiple comparisons using the Holm-Bonferroni procedure. β = Logistic regression coefficient. SE β= Standard Error of β. OR = Odds Ratio. WNTAR = Why Not Take a Risk?, GAG = Germs are Germs, SE = Side Effects, ABX = Antibiotics. Strep = Correct Knowledge of Strep Throat. ":" indicates an interaction term.

Table S13

Best-Fitting Logistic Regression Model Predicting Expectations for Antibiotics in Online Sample

	β	SE β	OR	
Significant Predictors After Controlling for Multiple Comparisons				
(Intercept)	-0.92	0.16	0.40	***
WNTAR	0.69	0.12	1.99	***
Strep	0.61	0.14	1.85	***
ABX Help	0.58	0.13	1.79	***
ABX Don't Help	-0.58	0.14	0.56	***
Model Variables Not Significant After Controlling for Multiple Comparisons				
Asian Race	1.25	0.39	3.48	**
Strep:SE	-0.40	0.14	0.67	**
Religion	0.13	0.08	1.14	
Mixed/Other Race	0.60	0.60	1.82	
Black/African America Race	-0.36	0.47	0.70	
SE	-0.01	0.13	0.99	

*Note. *** = p<0.001; ** = p<0.01, Not significant after controlling for multiple comparisons using the Holm-Bonferroni procedure. β = Logistic regression coefficient. SE β= Standard Error of β. OR = Odds Ratio. WNTAR = Why Not Take a Risk?, GAG = Germs are Germs, SE = Side Effects, ABX = Antibiotics*