

Appendix C

Multinomial logistic regression of the effect of different factors on the choice of minimally important difference in responding parents

	MID choice of 12 vs. “I don’t give probiotics”		MID choice of 9 vs. “I don’t give probiotics”		MID choice of 7 vs. “I don’t give probiotics”	
	Odd’s ratio (95% CI)	P value	Odd’s ratio (95% CI)	P value	Odd’s ratio (95% CI)	P value
Familiarity with probiotics						
Yes	5.828 (0.459-73.943)	0.174	1.442 (0.083-24.951)	0.801	1.995 (0.167-23.764)	0.585
No	Reference		Reference		Reference	
Probiotic use						
Yes	0.186 (0.011-3.044)	0.238	0.236 (0.010-5.348)	0.364	0.340 (0.020-5.848)	0.457
No	Reference		Reference		Reference	
Child’s previous experience of AAD						
Yes	5.211 (0.332-81.733)	0.240	1.925 (0.096-38.769)	0.669	2.847 (0.161-50.186)	0.475
No	0.809 (0.097-6.735)	0.845	0.513 (0.049-5.364)	0.577	1.594 (0.174-14.613)	0.680
I do not know	Reference		Reference		Reference	
Opinion regarding safety of probiotics for prevention of AAD						
Strongly disagree or disagree	—*		—*		—*	
Neutral	0.822 (0.093-7.292)	0.860	5.216 (0.255-106.565)	0.283	0.324 (0.033-3.197)	0.335
Strongly agree or agree	2.565 (0.352-29.867)	0.299	7.552 (0.360-158.371)	0.193	2.393 (0.253-22.682)	0.447
I do not know	Reference		Reference		Reference	
Parent age						
<30 y/o	1.253 (0.101-15.548)	0.861	1.529 (0.088-26.654)	0.771	3.656 (0.285-46.828)	0.319
31-40 y/o	3.242 (0.252-9.427)	0.639	1.854 (0.227-15.165)	0.565	1.727 (0.248-12.006)	0.581
>41 y/o	Reference		Reference		Reference	
Parent ethnicity						

White/Caucasian	1.734 (0.303- 0.536 9.914)	Reference	4.050 (0.449- 0.212 36.506)	Reference	0.961 (0.161- 0.965 5.728)	Reference
Other ethnicities						
Parent education						
Bachelor's degree or higher	1.994 (0.382- 0.413 10.398)	Reference	1.355 (0.209- 0.750 8.787)	Reference	2.392 (0.427- 0.321 13.391)	Reference
Less than bachelor						
Parent gender						
Female	0.177 (0.014- 0.182 2.246)	Reference	0.211 (0.013- 0.276 3.459)	Reference	0.325 (0.024- 0.401 4.476)	Reference
Male						

*There were no enough data to provide values.

MID: Minimally important difference, AAD: Antibiotic-associated diarrhea, CI: Confidence interval

Multinomial logistic regression of the effect of different factors on the choice of minimally important difference in responding clinicians

	MID choice of 12 vs. 7		MID choice of 9 vs. 7	
	Odd's ratio (95% CI)	P value	Odd's ratio (95% CI)	P value
Physician gender				
Female	0.396 (0.039-4.012)	0.433	0.273 (0.025-3.015)	0.289
Male	Reference		Reference	
Specialty				
General pediatrician	0.409 (0.046-3.626)	0.422	0.281 (0.028-2.773)	0.277
Sub-specialist pediatrician	Reference		Reference	
Probiotic recommendation				
Yes	7.279 (0.553-95.771)	0.131	5.666 (0.356-90.097)	0.219
No	Reference		Reference	
Years since graduation	0.890 (0.744-1.065)	0.204	0.969 (0.799-1.175)	0.750
No of AAD patient visits	1.051 (0.802-1.377)	0.719	0.800 (0.564-1.136)	0.213

MID: Minimally important difference, AAD: Antibiotic-associated diarrhea, CI: Confidence interval