

Table S1. Results of unadjusted multinomial logistic regression analyses examining the relative risk of being undecided or unwilling to vaccinate against COVID-19 in October compared to April, 2020.

Variable	Undecided on vaccination		Unwilling to vaccinate	
	RRR ^a	(95% CI)	RRR ^a	(95% CI)
Overall sample	1.82***	(1.62, 2.05)	2.29***	(2.11, 2.48)
Age group				
18-34	1.75***	(1.34, 2.27)	2.37***	(1.98, 2.84)
35-49	1.84***	(1.49, 2.27)	2.26***	(1.95, 2.62)
50-64	1.92***	(1.56, 2.35)	2.54***	(2.18, 2.95)
65+				
Sex				
Male	1.80***	(1.48, 2.18)	2.12***	(1.87, 2.41)
Female	1.90***	(1.64, 2.20)	2.48***	(2.23, 2.76)
Race/ethnicity				
White	1.97***	(1.72, 2.25)	2.32***	(2.12, 2.54)
Hispanic	1.89***	(1.32, 2.68)	2.52***	(2.00, 3.17)
Black	1.41*	(1.03, 1.92)	2.08***	(1.62, 2.67)
Other race/ ethnicity	3.49***	(1.94, 6.29)	2.70***	(1.79, 4.06)
Education				
Degree	1.71***	(1.32, 2.21)	2.09***	(1.82, 2.41)
No degree	2.01***	(1.75, 2.31)	2.52***	(2.28, 2.79)
Income level ^b				
Low income	2.01***	(1.70, 2.37)	2.53***	(2.20, 2.92)
Middle income	1.83***	(1.48, 2.25)	2.17***	(1.92, 2.46)
High income	1.70***	(1.18, 2.42)	2.31***	(1.93, 2.77)
Chronic condition ^c				
No	1.77***	(1.53, 2.05)	2.23***	(2.02, 2.46)
Yes	1.93***	(1.59, 2.34)	2.48***	(2.15, 2.86)

^a RRR = Relative risk ratio. For all analyses “willing to vaccinate” was the outcome reference group.

^b Households earning less than \$40,000 a year classified as low income, those earning \$40,000 - \$100,000 middle income, and those above this threshold as high-income.

^c Diagnosed with any of the following: diabetes, cancer, heart disease, kidney disease, asthma, chronic lung disease, an autoimmune disease.

* $P < .05$. ** $P < .01$. *** $P < .001$