

Correlates of intended COVID-19 vaccine acceptance across time and countries: Results from a series of cross-sectional surveys

Supplementary material

Table S1

Survey items and wording

Variable	Wording	Response
Gender	What is your gender?	0 =Male, 1= Female, 'Other' and 'Prefer not to say' (included in Prolific samples only) coded as missing.
Age	What is your age?	Age in years
Education	Please indicate your highest educational qualification	1 = No formal education above age 16, 2 = Professional or technical qualifications above age 16, 3 = School education up to age 18, 4 = Degree (Bachelors) or equivalent, 5 = Degree (Masters) or other postgraduate qualification, 6 = Doctorate [In France] 1 = No diploma, 2 =Primary school certificate, 3 = BEPC - Brevet des colleges, 4 = CAP / BEP, 5 = BAC / professional certificate / technical certificate, 6 = BAC +2 and above.
Numeracy (summed; range 1-5)	Adaptive Berlin Numeracy test (2-3items, see Cokely et al., 2012 for details). Which represents the highest risk of something happening?	Scores range 1-4 1 = '1 in 10' (correct), 2 = '1 in 1000', 3 = '1 in 100'
Politics	Where do you feel your political views lie on a spectrum of left wing (or liberal) to right wing (or conservative)?	1 = Very liberal/left, 7 = Very conservative/right
Prosociality	To what extent do you think it's important to do things for the benefit of others and society even if they have some costs to you personally?	1 = Not at all, 7 = Very much so

General social trust	Generally speaking, would you say most people can be trusted, or that you can't be too careful in dealing with people?	1 = Can't be too careful, 7 = Most people can be trusted
General trust: Experts (scale)	How much do you trust each of the following? - Medical doctors and nurses	1 = Cannot be trusted at all, 5 = Can be trusted a lot
	How much do you trust each of the following? - Scientists	1 = Cannot be trusted at all, 5 = Can be trusted a lot
	How much do you trust each of the following? - Scientific knowledge	1 = Cannot be trusted at all, 5 = Can be trusted a lot
General trust: Govt (scale)	How much do you trust each of the following? - Civil servants or public officials in the country you are living in	1 = Cannot be trusted at all, 5 = Can be trusted a lot
	How much do you trust each of the following? - The current government of the country you are living in	1 = Cannot be trusted at all, 5 = Can be trusted a lot
	How much do you trust each of the following? - Politicians in the country you are living in	1 = Cannot be trusted at all, 5 = Can be trusted a lot
COVID trust: Politicians	How much do you trust the country's politicians to deal effectively with the pandemic?	1 = Not at all, 7 = Very much
COVID Trust: National sci/med advisors	How much do you trust the country's national scientific and medical advisors to know the best measures to take in the face of the pandemic?	1 = Not at all, 7 = Very much
COVID Trust: Independent scientists	How much do you trust experts who are not connected with the government who are commenting on measures planned for the pandemic?	1 = Not at all, 7 = Very much
COVID Trust: WHO	How much do you trust the World Health Organisation to know the best measures to take in the face of the pandemic?	1 = Not at all, 7 = Very much
Personal efficacy	To what extent do you feel that the personal actions you are taking to try to limit the spread of coronavirus make a difference?	1 = Not at all, 7 = Very much
Govt efficacy	To what extent do you feel the actions that your country is taking to limit the spread of coronavirus make a difference?	1 = Not at all, 7 = Very much

Perceived infection risk (scale)	How likely do you think it is that you will be directly and personally affected by the following in the next 6 months? - Catching the coronavirus/COVID-19	1= Not at all likely, 7 = Very likely
	How likely do you think it is that your friends and family in the country you are currently living in will be directly affected by the following in the next 6 months? - Catching the coronavirus/COVID-19	1= Not at all likely, 7 = Very likely
	How much do you agree or disagree with the following statements? - I will probably get sick with the coronavirus/COVID-19.	1 = Strongly disagree, 5 = Strongly agree (rescaled)
Worry about COVID	How worried are you personally about the following issues at present? - Coronavirus/COVID-19	1 = Not at all worried, 7 = Very worried
Vaccine - acceptance	If a vaccine were to be available for the coronavirus/COVID-19 now: - Would you get vaccinated yourself?	0 = No, 1 = Yes
Vaccine – recommend to others	If a vaccine were to be available for the coronavirus/COVID-19 now: - Would you recommend vulnerable friends/family to get vaccinated?	0 = No, 1 = Yes
General vaccine attitudes	Please let us know how much you agree or disagree with the following statements about vaccines in general: - I believe that vaccines are a safe and reliable way to help avert the spread of preventable diseases	1 = Strongly disagree, 5 = Strongly agree
	Please let us know how much you agree or disagree with the following statements about vaccines in general: - Vaccinations are one of the most significant contributions to public health	1 = Strongly disagree, 5 = Strongly agree

Table S2

Percentage of missing values for predictor and outcome variables across all samples.

Variable	AU_D (Mar)	CN_R (Apr)	DE_R (Mar)	ES_R (Mar)	ES_R (May)	FR_B (Apr)	IT_R (Mar)	JP_R (Apr)	KR_R (Apr)	MX_R (Mar)	MX_R (May)	SE_R (Apr)	SE_R (Mar)	UK_ P (Jul)	UK_P (Mar)	UK_P (May)	UK_P (Sep)	UK_ R (Jul)	UK_R (Jun)	UK_R (May)	UK_R (Oct)	UK_R (Sep)	US_P (Mar)	US_R (May)	US_R (Sep)
Age	5.4	0.6	3.9	2.1	1.6	0.0	20.9	2.3	0.4	8.8	1.1	1.7	4.6	0.1	0.0	0.3	0.1	1.8	1.2	1.5	1.0	1.7	0.1	1.3	0.0
Gender [Female]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.4	0.3	0.6	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.1
Education	5.6	0.3	3.9	1.7	0.6	0.0	20.1	1.0	0.3	7.8	0.3	0.4	3.9	0.0	0.0	0.0	0.0	0.5	-	0.1	0.1	0.5	0.0	0.3	-
Numeracy	6.7	1.9	6.6	3.1	2.7	1.1	21.1	6.2	2.0	8.1	0.3	3.1	5.6	0.1	0.1	0.3	0.2	3.5	2.2	1.8	0.9	2.3	0.1	1.4	0.2
Politics [Conservative]	5.6	-	4.1	2.1	0.6	-	20.3	9.2	0.1	7.9	0.9	0.9	4.1	0.1	0.0	0.1	0.1	0.6	1.2	0.3	0.3	0.8	0.0	0.4	0.2
Prosociality	1.0	0.1	0.3	0.7	0.1	0.0	1.7	0.0	0.1	0.7	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.5	0.0	0.6	0.1	0.2	0.0	0.1	0.0
General social trust	0.0	0.0	0.1	0.3	0.3	0.0	0.4	0.0	0.1	0.0	0.3	0.4	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.2	0.0	0.1	0.0
General trust: Experts	0.0	0.0	0.3	0.0	0.3	0.0	0.3	0.0	0.1	0.4	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.1	0.4	0.3	0.1	0.4	0.0	0.0	0.0
General trust: Govt	0.1	-	0.3	0.0	0.1	0.0	0.9	0.1	0.1	0.3	0.3	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.2	0.0	0.2	0.0	0.0	0.1
COVID trust: Politicians	3.4	-	1.7	1.3	0.0	0.0	10.0	0.4	0.1	4.8	0.3	0.1	2.3	0.1	0.0	0.0	0.0	0.1	0.2	0.1	0.0	0.2	0.0	0.1	0.0
COVID Trust: National sci/med advisors	3.4	-	1.7	1.3	0.1	0.0	10.0	0.3	0.0	4.8	0.3	0.1	2.3	0.0	0.0	0.0	0.0	0.1	0.2	0.1	0.0	0.1	0.0	0.3	-
COVID Trust: Independent scientists	3.4	-	1.7	1.6	0.1	0.0	10.1	0.3	0.0	4.8	0.3	0.0	2.3	0.0	0.0	0.0	0.0	0.1	-	0.2	0.0	0.1	0.1	0.3	-
COVID Trust: WHO	3.4	-	2.0	1.4	0.0	0.0	10.0	0.6	0.1	4.9	0.3	0.0	2.3	0.0	0.0	0.1	0.0	0.2	0.2	0.2	0.0	0.1	0.1	0.3	-
Personal efficacy	3.7	-	2.0	1.3	0.0	0.0	10.3	0.6	0.1	4.8	0.3	0.0	2.4	0.0	0.1	0.0	0.2	0.2	0.4	0.3	0.1	0.2	0.0	0.3	0.0
Govt efficacy	3.6	-	2.0	1.4	0.3	0.0	10.4	0.4	0.1	4.8	0.6	0.0	2.4	0.0	0.0	0.0	0.1	0.2	0.2	0.3	0.0	0.1	0.0	0.3	0.1
Perceived infection risk	1.4	0.3	1.0	0.9	0.0	0.0	3.0	0.0	0.0	1.7	0.1	0.0	1.1	0.0	0.0	0.0	0.0	0.1	0.4	0.2	0.2	0.0	0.1	0.4	0.0
Worry about COVID	1.0	0.0	0.6	0.6	0.0	0.0	2.4	0.1	0.3	1.4	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.0	0.1	0.1	0.1	0.0
Vaccine acceptance	4.0	0.1	1.9	1.4	0.1	0.0	11.4	0.1	0.1	5.8	0.3	0.4	2.4	0.1	0.0	0.0	0.0	0.2	0.2	0.3	0.1	0.1	0.1	0.1	0.0
Vaccine recommend	4.1	0.1	1.9	1.6	0.1	0.0	11.4	0.1	0.1	6.3	0.6	0.4	2.4	0.1	0.0	0.1	0.1	0.2	0.2	0.4	0.1	0.1	0.1	0.1	0.0
Vaccine attitudes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.3	-	-	-	0.2	0.3	-	-	-

“-” indicates variable not included in survey. For space, samples are defined by their two character ISO country code and a letter denoting participant source (B, BVA; D, Dynata; P, Prolific; R, Respondi). Missing gender includes ‘Other’ and ‘prefer’ not to say’ responses (total $n=35$) and missing age includes values outside the range of 18-100 (total $n=46$)

Table S3

Gender and age distribution of those participants who answered the vaccine acceptance item (% of each sample; continued on following page)

Gender	Age bracket	AU_D1	CN_R1	DE_R1	ES_R1	ES_R2	FR_B1	IT_R1	JP_R1	KR_R1	MX_R1	MX_R2	SE_R1	SE_R2
Male	18-24	6.0	5.7	5.2	4.5	4.7	1.2	4.8	4.9	5.6	9.8	9.9	5.3	5.7
	24-34	8.3	10.9	8.7	7.4	7.6	6.2	8.4	7.3	8.6	12.4	11.8	10.5	10.5
	35-44	8.6	9.3	8.6	10.4	10.6	7.6	9.4	8.7	9.6	10.0	10.7	9.2	9.0
	45-54	8.2	11.3	10.0	10.9	10.7	10.2	10.7	10.2	11.2	8.9	8.3	9.8	9.5
	55-64	7.6	8.2	10.5	9.0	8.9	8.6	8.6	8.2	10.2	5.8	5.4	8.6	8.8
	65+	9.2	5.7	7.7	7.0	7.2	13.8	6.8	9.7	6.0	3.2	3.0	8.1	7.8
	Missing	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Female	18-24	5.7	5.4	5.2	4.5	4.7	8.5	4.8	5.0	5.3	8.9	10.0	5.0	5.5
	24-34	9.5	10.4	8.4	7.8	7.7	8.7	8.4	7.6	8.2	12.9	12.3	10.3	10.0
	35-44	10.1	8.9	8.4	10.9	10.7	8.4	10.5	9.2	9.2	12.1	11.3	8.9	8.5
	45-54	9.4	10.9	9.5	10.9	11.0	9.5	12.4	10.5	10.7	8.7	8.6	9.4	9.3
	55-64	7.9	7.9	9.9	9.3	8.9	6.7	7.6	8.6	9.7	5.4	5.7	8.4	8.3
	65+	9.5	5.4	7.7	7.5	7.3	10.7	7.7	10.2	5.9	2.0	2.9	6.6	7.2
	Missing	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Missing	18-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	24-34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	35-44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	45-54	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	55-64	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	65+	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Missing	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

For space, samples are defined by their two character ISO country code and a letter denoting participant source (B, BVA; D, Dynata; P, Prolific; R, Respondi). 'Missing' gender includes responses 'Other' and 'Prefer not to say' - only included in Prolific samples.

Table S3 (continued)

Gender and age distribution of those participants who answered the vaccine acceptance item (% of each sample)

Gender	Age bracket	UK_P1	UK_P3	UK_P4	UK_P5	UK_R2	UK_R3	UK_R4	UK_R5	UK_R6	US_P1	US_R2	US_R3	
Male	18-24	5.6	7.2	7.1	11.7	5.8	4.2	5.8	5.9	5.5	5.9	6.3	3.4	
	24-34	10.0	8.8	9.4	15.1	8.7	8.0	8.8	8.9	7.8	10.1	9.6	12.5	
	35-44	8.3	9.3	9.4	7.7	9.2	9.4	9.3	9.3	8.7	9.0	8.7	12.0	
	45-54	8.5	8.6	8.5	6.4	9.2	9.6	9.2	9.2	10.2	9.0	8.7	5.7	
	55-64	11.7	9.3	8.2	5.7	8.3	8.4	8.2	8.2	8.4	8.6	8.9	9.2	
	65+	4.7	5.5	4.6	1.7	6.7	7.0	7.0	7.0	7.0	7.3	6.4	6.7	6.4
	Missing	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Female	18-24	5.6	5.1	6.1	10.9	6.3	7.0	6.3	6.2	5.7	4.9	6.6	5.3	
	24-34	8.8	9.8	9.1	11.5	9.5	10.0	9.6	9.5	8.4	11.3	10.0	11.3	
	35-44	9.3	9.9	8.9	8.8	10.0	10.2	10.0	9.9	9.5	7.6	9.2	9.2	
	45-54	8.3	7.7	10.2	8.6	10.0	10.2	9.8	9.8	10.6	8.7	9.0	8.1	
	55-64	12.9	13.1	11.8	8.8	8.9	8.8	8.6	8.7	9.5	11.7	9.3	10.3	
	65+	6.1	5.1	6.3	2.7	7.2	7.0	7.5	7.5	8.4	6.6	7.0	6.3	
	Missing	0.0	0.1	0.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0
Missing	18-24	0.0	0.1	0.2	0.4	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	
	24-34	0.3	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	
	35-44	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	
	45-54	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	55-64	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	65+	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

For space, samples are defined by their two character ISO country code and a letter denoting participant source (B, BVA; D, Dynata; P, Prolific; R, Respondi). 'Missing' gender includes responses 'Other' and 'Prefer not to say' - only included in Prolific samples.

Table S4

Descriptive statistics for all samples (Mean (SD)) (continued on following page)

	ALL	AUD (Mar)	CNR (Apr)	DE R (Mar)	ES R (Mar)	ES R (May)	FR B (Apr)	IT R (Mar)	JP R (Apr)	KR R (Apr)	MX R (Mar)	MX R (May)	SE R (Mar)	SE R (Apr)
Age	45.06 (16.02)	46.30 (16.44)	43.21 (14.26)	46.71 (15.93)	46.68 (14.99)	46.00 (15.03)	48.79 (16.53)	45.91 (14.81)	48.08 (16.35)	45.34 (15.51)	38.69 (13.96)	38.61 (14.21)	45.49 (16.02)	45.49 (16.54)
Gender (Female)	0.51 (0.50)	0.51 (0.50)	0.49 (0.50)	0.50 (0.50)	0.51 (0.50)	0.50 (0.50)	0.48 (0.50)	0.50 (0.50)	0.51 (0.50)	0.49 (0.50)	0.50 (0.50)	0.51 (0.50)	0.49 (0.50)	0.49 (0.50)
Education	3.42 (1.13)	3.17 (1.12)	3.64 (0.88)	3.07 (1.19)	3.59 (1.08)	3.60 (1.07)	5.00 ^a (1.12)	3.51 (1.23)	3.56 (0.81)	3.76 (0.79)	3.55 (0.94)	3.74 (0.88)	3.30 (1.06)	3.34 (1.01)
Numeracy	2.66 (1.11)	2.41 (1.06)	2.83 (1.25)	2.53 (1.12)	2.39 (1.03)	2.42 (0.97)	2.18 (0.70)	2.13 (0.71)	2.77 (1.25)	2.60 (1.06)	2.16 (0.90)	2.31 (0.95)	2.52 (1.23)	2.57 (1.21)
Politics (Conservative)	3.74 (1.41)	3.83 (1.30)	-	3.79 (1.19)	3.50 (1.43)	3.44 (1.50)	-	3.87 (1.45)	4.09 (1.09)	3.88 (1.20)	3.65 (1.31)	3.57 (1.33)	3.92 (1.59)	3.88 (1.61)
Prosociality	5.21 (1.36)	5.23 (1.36)	5.54 (1.19)	4.97 (1.42)	5.74 (1.21)	5.35 (1.34)	5.23 (1.41)	5.76 (1.38)	4.74 (1.42)	4.40 (1.31)	5.34 (1.61)	5.26 (1.53)	4.87 (1.43)	4.63 (1.48)
General social trust	3.66 (1.71)	3.95 (1.67)	4.96 (1.67)	3.61 (1.65)	3.47 (1.87)	3.29 (1.77)	2.98 (1.62)	3.70 (1.61)	3.85 (1.48)	3.97 (1.50)	2.81 (1.84)	2.94 (1.84)	3.73 (1.73)	3.85 (1.73)
General trust: Experts	3.97 (0.77)	3.97 (0.79)	4.26 (0.61)	3.90 (0.74)	4.19 (0.72)	4.09 (0.76)	3.76 (0.81)	4.02 (0.74)	3.51 (0.72)	3.74 (0.68)	4.05 (0.85)	4.10 (0.83)	3.90 (0.75)	3.85 (0.75)
General trust: Govt	2.64 (0.91)	2.96 (0.93)	-	3.14 (0.92)	2.75 (0.94)	2.54 (0.89)	2.48 (0.90)	2.89 (0.91)	2.46 (0.84)	2.65 (0.81)	2.28 (1.01)	2.35 (1.02)	3.04 (1.00)	3.00 (1.01)
COVID trust: Politicians	3.48 (1.87)	4.44 (1.75)	-	4.80 (1.65)	4.01 (1.88)	3.45 (1.91)	3.33 (1.78)	4.35 (1.74)	3.03 (1.60)	4.24 (1.63)	3.22 (1.99)	3.51 (1.96)	4.13 (1.78)	4.24 (1.83)
COVID Trust: National sci/med advisors	4.91 (1.60)	5.34 (1.41)	-	5.40 (1.43)	5.45 (1.39)	4.92 (1.65)	4.46 (1.73)	5.42 (1.40)	3.90 (1.51)	5.15 (1.37)	5.18 (1.69)	5.28 (1.60)	4.78 (1.67)	4.93 (1.66)
COVID Trust: Independent scientists	4.66 (1.55)	4.77 (1.49)	-	5.11 (1.38)	5.15 (1.39)	4.83 (1.55)	4.62 (1.52)	4.80 (1.45)	3.73 (1.51)	5.03 (1.26)	5.02 (1.68)	4.91 (1.65)	4.66 (1.52)	4.55 (1.48)
COVID Trust: WHO	4.84 (1.68)	5.19 (1.55)	-	5.16 (1.52)	5.46 (1.42)	4.88 (1.62)	4.80 (1.61)	5.25 (1.48)	3.12 (1.55)	3.96 (1.51)	5.80 (1.45)	5.58 (1.62)	5.05 (1.45)	4.81 (1.55)
Personal efficacy	5.22 (1.48)	5.14 (1.45)	-	5.24 (1.41)	5.31 (1.47)	5.14 (1.47)	5.20 (1.47)	5.31 (1.46)	4.26 (1.42)	5.42 (1.24)	5.36 (1.66)	5.56 (1.53)	5.20 (1.50)	5.26 (1.45)
Govt efficacy	3.86 (1.78)	4.48 (1.63)	-	4.68 (1.47)	4.21 (1.77)	4.11 (1.83)	4.22 (1.68)	4.60 (1.60)	3.21 (1.52)	5.08 (1.52)	3.82 (2.06)	4.39 (1.86)	4.30 (1.73)	4.41 (1.67)
Perceived infection risk	4.17 (1.32)	4.16 (1.40)	3.26 (1.37)	4.13 (1.34)	4.46 (1.23)	4.38 (1.26)	4.19 (1.24)	3.93 (1.30)	4.48 (1.20)	4.37 (1.22)	4.16 (1.47)	4.29 (1.43)	4.30 (1.37)	4.37 (1.29)
Worry about COVID	5.56 (1.52)	5.56 (1.51)	5.37 (1.57)	5.66 (1.49)	6.25 (1.17)	6.11 (1.26)	5.63 (1.43)	6.08 (1.27)	5.83 (1.28)	5.59 (1.29)	5.92 (1.46)	6.06 (1.35)	5.27 (1.55)	4.98 (1.66)
Vaccine—acceptance	0.76 (0.43)	0.83 (0.38)	0.86 (0.35)	0.81 (0.39)	0.84 (0.37)	0.80 (0.40)	0.70 (0.46)	0.85 (0.35)	0.74 (0.44)	0.86 (0.35)	0.88 (0.32)	0.74 (0.44)	0.66 (0.47)	0.63 (0.48)
Vaccine—recommend to vulnerable others	0.82 (0.38)	0.89 (0.32)	0.87 (0.33)	0.89 (0.31)	0.90 (0.30)	0.82 (0.38)	0.81 (0.40)	0.88 (0.32)	0.80 (0.40)	0.88 (0.32)	0.90 (0.30)	0.76 (0.43)	0.77 (0.42)	0.74 (0.44)
General vaccine attitudes	4.05 (1.11)	-	-	-	-	-	-	-	-	-	-	-	-	-

^a Education item in France differed from other surveys—see Table S1.

Table S4 (continued)

Descriptive statistics for all samples (Mean (SD))

	UK P (Mar)	UK P (May)	UK P (Jul)	UK P (Sep)	UK R (May)	UK R (Jun)	UK R (Jul)	UK R (Sep)	UK R (Oct)	US P (Mar)	US R (May)	US R (Sep)
Age	45.63 (15.69)	44.72 (15.66)	44.54 (15.65)	38.18 (14.98)	45.72 (15.94)	45.90 (15.87)	45.42 (16.60)	45.47 (16.09)	46.74 (16.04)	45.14 (15.84)	45.03 (16.09)	44.76 (15.60)
Gender (Female)	0.51 (0.50)	0.51 (0.50)	0.53 (0.50)	0.52 (0.50)	0.52 (0.50)	0.53 (0.50)	0.52 (0.50)	0.52 (0.50)	0.52 (0.50)	0.51 (0.50)	0.51 (0.50)	0.51 (0.50)
Education	3.45 (1.17)	3.50 (1.14)	3.58 (1.14)	3.54 (1.10)	3.17 (1.27)	-	3.20 (1.23)	3.15 (1.28)	3.10 (1.23)	3.87 (0.88)	3.70 (0.90)	-
Numeracy	3.22 (1.17)	3.23 (1.14)	3.04 (1.06)	3.24 (1.15)	2.64 (1.14)	2.74 (1.10)	2.61 (1.07)	2.60 (1.07)	2.78 (1.11)	3.14 (1.13)	2.76 (1.14)	2.58 (1.12)
Politics (Conservative)	3.69 (1.43)	3.67 (1.39)	3.58 (1.36)	3.37 (1.36)	3.90 (1.35)	3.89 (1.19)	3.90 (1.33)	3.84 (1.36)	3.83 (1.32)	3.22 (1.65)	3.92 (1.69)	4.07 (1.65)
Prosociality	5.50 (1.07)	5.36 (1.19)	5.32 (1.16)	5.42 (1.17)	5.12 (1.33)	5.25 (1.29)	5.03 (1.29)	5.08 (1.39)	5.38 (1.36)	5.43 (1.28)	5.05 (1.36)	5.02 (1.44)
General social trust	4.04 (1.59)	4.12 (1.55)	4.11 (1.55)	3.69 (1.56)	3.74 (1.71)	3.58 (1.70)	3.86 (1.59)	3.68 (1.68)	3.66 (1.64)	4.01 (1.68)	3.79 (1.73)	3.47 (1.84)
General trust: Experts	4.24 (0.66)	4.11 (0.63)	4.14 (0.66)	4.17 (0.68)	3.89 (0.79)	3.88 (0.81)	3.92 (0.76)	3.90 (0.78)	3.92 (0.77)	4.22 (0.73)	3.96 (0.77)	3.89 (0.83)
General trust: Govt	2.82 (0.85)	2.80 (0.82)	2.60 (0.82)	2.44 (0.81)	2.82 (0.87)	2.64 (0.87)	2.70 (0.88)	2.60 (0.90)	2.55 (0.86)	2.55 (0.79)	2.68 (0.83)	2.52 (0.88)
COVID trust: Politicians	3.81 (1.78)	3.80 (1.81)	3.16 (1.80)	2.57 (1.65)	4.00 (1.86)	3.38 (1.70)	3.60 (1.83)	3.23 (1.86)	3.04 (1.79)	3.06 (1.74)	3.11 (1.77)	2.93 (1.81)
COVID Trust: National sci/med advisors	5.27 (1.47)	5.13 (1.41)	5.12 (1.47)	4.88 (1.58)	4.94 (1.57)	4.58 (1.51)	4.88 (1.53)	4.66 (1.61)	4.60 (1.66)	5.46 (1.41)	5.15 (1.55)	-
COVID Trust: Independent scientists	4.88 (1.48)	4.59 (1.44)	4.74 (1.48)	4.77 (1.60)	4.46 (1.52)	-	4.54 (1.52)	4.40 (1.61)	4.28 (1.63)	5.16 (1.48)	4.72 (1.60)	-
COVID Trust: WHO	5.59 (1.40)	4.97 (1.55)	5.02 (1.62)	4.77 (1.70)	4.76 (1.69)	4.46 (1.69)	4.72 (1.66)	4.50 (1.69)	4.44 (1.71)	5.62 (1.55)	4.57 (1.90)	-
Personal efficacy	5.04 (1.39)	5.59 (1.26)	5.47 (1.35)	5.12 (1.48)	5.36 (1.48)	5.13 (1.45)	5.30 (1.45)	5.09 (1.52)	5.03 (1.52)	5.25 (1.45)	5.32 (1.47)	5.14 (1.57)
Govt efficacy	3.86 (1.75)	3.85 (1.70)	3.48 (1.72)	3.03 (1.62)	4.13 (1.74)	3.66 (1.61)	3.88 (1.75)	3.58 (1.73)	3.36 (1.70)	3.28 (1.80)	3.76 (1.76)	3.25 (1.86)
Perceived infection risk	4.89 (1.32)	4.26 (1.24)	3.96 (1.24)	4.26 (1.30)	4.14 (1.22)	3.94 (1.25)	3.86 (1.25)	4.13 (1.28)	4.27 (1.24)	3.98 (1.52)	3.91 (1.38)	4.11 (1.38)
Worry about COVID	5.80 (1.36)	5.72 (1.40)	5.28 (1.52)	5.36 (1.58)	5.60 (1.51)	5.34 (1.57)	5.30 (1.60)	5.39 (1.61)	5.39 (1.63)	5.49 (1.58)	5.58 (1.60)	5.43 (1.72)
Vaccine—acceptance	0.80 (0.40)	0.80 (0.40)	0.79 (0.41)	0.73 (0.44)	0.79 (0.41)	0.79 (0.41)	0.80 (0.40)	0.76 (0.43)	0.72 (0.45)	0.76 (0.43)	0.75 (0.44)	0.63 (0.48)
Vaccine—recommend to vulnerable others	0.92 (0.28)	0.87 (0.34)	0.85 (0.36)	0.80 (0.40)	0.84 (0.36)	0.83 (0.38)	0.84 (0.36)	0.80 (0.40)	0.76 (0.43)	0.86 (0.35)	0.80 (0.40)	0.68 (0.47)
General vaccine attitudes	-	-	-	4.21 (1.10)	-	-	-	3.90 (1.14)	4.05 (1.06)	-	-	-

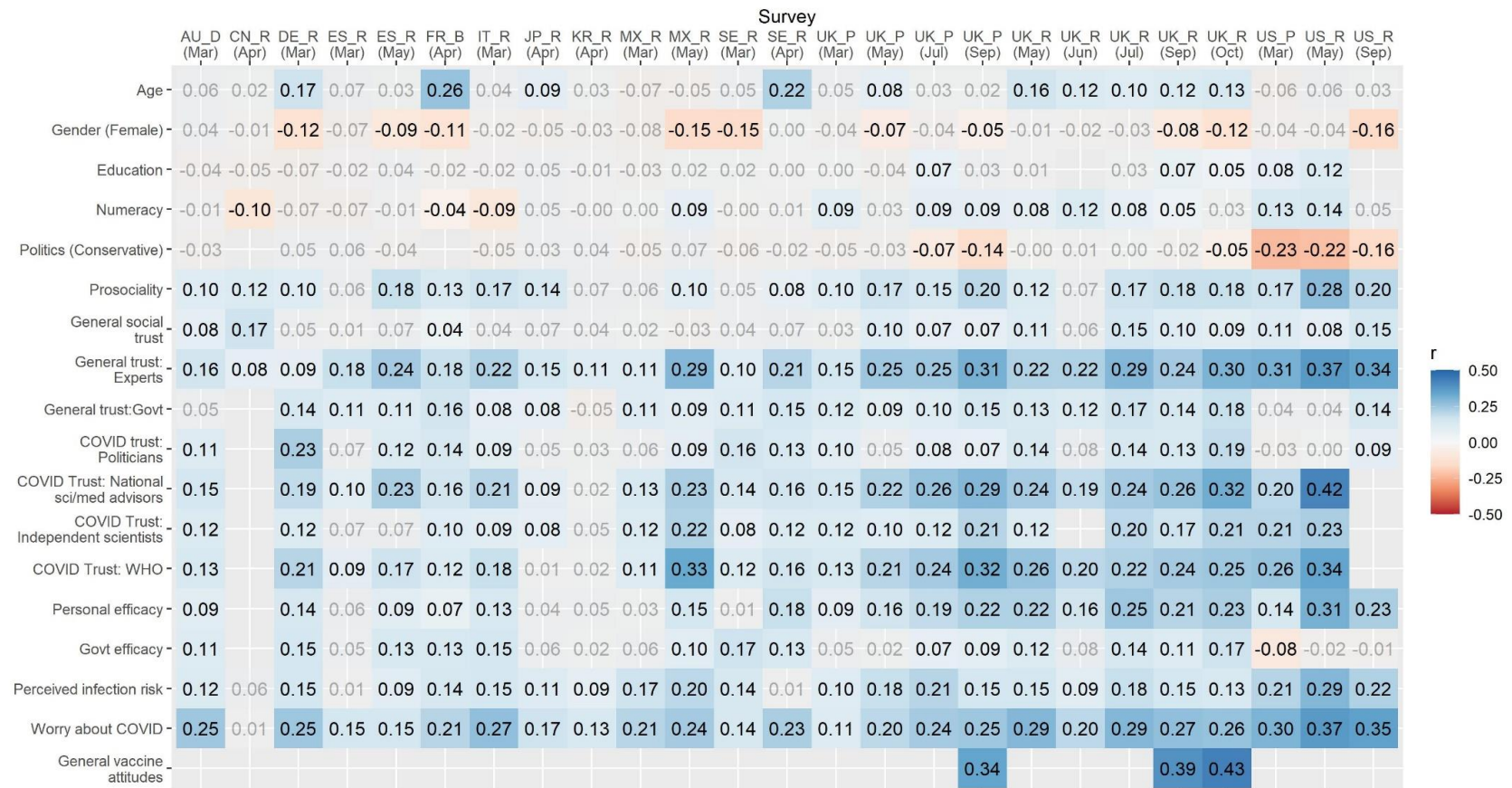


Figure S1. Point biserial correlations between predictors and vaccine acceptance across all samples. Greyed values are non-significant ($p > .05$). Blank spaces indicate predictors which were not included in a given survey

Table S5

Full logistic regression results from model predicting vaccine acceptance (continued on following page)

	ALL	ALL (UK)	AU_D (Mar)	DE_R (Mar)	ES_R (Mar)	ES_R (May)	FR_B (Apr)	IT_R (Mar)	JP_R (Apr)	KR_R (Apr)	MX_R (Mar)	MX_R (May)	SE_R (Mar)	SE_R (Apr)
	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR
(Intercept)	5.22 *** [4.92 – 5.53]	5.05 *** [4.63 – 5.53]	5.59 *** [4.08 – 7.83]	9.30 *** [6.46 – 13.85]	8.06 *** [5.71 – 11.73]	7.35 *** [5.28 – 10.50]	3.35 *** [2.93 – 3.84]	11.64 *** [7.49 – 19.01]	3.70 *** [2.78 – 4.99]	7.89 *** [5.66 – 11.31]	14.91 *** [9.54 – 24.65]	5.36 *** [3.94 – 7.44]	3.17 *** [2.45 – 4.15]	2.22 *** [1.72 – 2.88]
Age	1.19 *** [1.14 – 1.23]	1.08 ** [1.02 – 1.15]	1.12 [0.88 – 1.42]	1.63 *** [1.29 – 2.09]	1.11 [0.88 – 1.40]	1 [0.80 – 1.25]	1.68 *** [1.53 – 1.84]	1.08 [0.80 – 1.44]	1.23 [1.00 – 1.52]	0.97 [0.77 – 1.23]	0.75 * [0.57 – 0.98]	0.87 [0.71 – 1.06]	1.12 [0.93 – 1.34]	1.44 *** [1.19 – 1.76]
Gender (Female) ^a	0.59 *** [0.55 – 0.64]	0.61 *** [0.55 – 0.69]	1.2 [0.76 – 1.88]	0.38 *** [0.23 – 0.60]	0.53 ** [0.33 – 0.84]	0.47 *** [0.30 – 0.72]	0.65 *** [0.54 – 0.77]	0.59 [0.34 – 1.03]	0.76 [0.50 – 1.13]	0.75 [0.48 – 1.19]	0.50 * [0.28 – 0.88]	0.43 *** [0.28 – 0.64]	0.43 *** [0.30 – 0.63]	0.71 [0.49 – 1.03]
Education	1.03 [0.99 – 1.08]	1 [0.94 – 1.07]	0.85 [0.67 – 1.07]	0.86 [0.68 – 1.08]	0.96 [0.77 – 1.19]	1.11 [0.90 – 1.36]	0.99 [0.91 – 1.09]	0.98 [0.74 – 1.31]	1.13 [0.93 – 1.39]	0.98 [0.78 – 1.23]	0.95 [0.71 – 1.26]	0.98 [0.81 – 1.19]	1.05 [0.88 – 1.25]	0.97 [0.81 – 1.16]
Numeracy	1.01 [0.97 – 1.05]	0.94 * [0.89 – 0.99]	0.91 [0.73 – 1.15]	0.84 [0.67 – 1.05]	0.80 * [0.65 – 0.98]	0.88 [0.72 – 1.09]	0.90 * [0.82 – 0.99]	0.64 ** [0.48 – 0.84]	0.99 [0.81 – 1.23]	0.92 [0.73 – 1.16]	0.95 [0.73 – 1.26]	1 [0.82 – 1.22]	0.91 [0.76 – 1.10]	1.01 [0.84 – 1.21]
Politics (Conservative)	0.93 *** [0.89 – 0.97]	0.94 * [0.89 – 0.99]	0.87 [0.68 – 1.11]	1.2 [0.96 – 1.52]	1.23 [0.98 – 1.55]	1.06 [0.84 – 1.33]		0.88 [0.66 – 1.18]	1.02 [0.84 – 1.25]	1.02 [0.80 – 1.30]	0.85 [0.64 – 1.13]	1.18 [0.96 – 1.44]	0.9 [0.74 – 1.08]	0.91 [0.75 – 1.10]
Prosociality	1.06 ** [1.02 – 1.10]	1.05 [0.99 – 1.12]	0.98 [0.75 – 1.26]	1.06 [0.82 – 1.36]	0.98 [0.78 – 1.23]	1.2 [0.96 – 1.50]	1.07 [0.98 – 1.17]	1.05 [0.78 – 1.40]	1.16 [0.93 – 1.45]	1.26 [0.98 – 1.62]	1 [0.76 – 1.31]	0.98 [0.80 – 1.20]	0.96 [0.79 – 1.15]	0.96 [0.79 – 1.16]
General social trust	1.05 * [1.01 – 1.10]	1.05 [0.99 – 1.11]	1.18 [0.91 – 1.52]	0.96 [0.75 – 1.24]	0.92 [0.73 – 1.16]	1.15 [0.92 – 1.44]	1 [0.91 – 1.10]	0.99 [0.74 – 1.34]	0.97 [0.77 – 1.22]	1.14 [0.87 – 1.48]	1.26 [0.95 – 1.70]	0.93 [0.76 – 1.14]	0.97 [0.80 – 1.19]	1.01 [0.83 – 1.24]
General trust: Experts	1.28 *** [1.22 – 1.34]	1.26 *** [1.18 – 1.36]	1.38 * [1.06 – 1.80]	0.89 [0.66 – 1.20]	1.33 * [1.03 – 1.74]	1.55 *** [1.23 – 1.97]	1.18 ** [1.06 – 1.31]	1.45 * [1.04 – 2.01]	1.25 [0.97 – 1.60]	1.3 [1.00 – 1.71]	1.05 [0.78 – 1.41]	1.49 *** [1.18 – 1.88]	1.14 [0.91 – 1.44]	1.18 [0.95 – 1.48]
General trust: Govt	1.02 [0.97 – 1.08]	0.94 [0.87 – 1.01]	0.74 [0.54 – 1.00]	1.07 [0.77 – 1.48]	1.24 [0.91 – 1.69]	1.01 [0.76 – 1.34]	1.08 [0.94 – 1.23]	0.97 [0.68 – 1.39]	1.07 [0.81 – 1.40]	0.70 * [0.52 – 0.93]	1.28 [0.88 – 1.87]	1.02 [0.78 – 1.32]	0.98 [0.75 – 1.27]	1.06 [0.79 – 1.42]
COVID trust: Politicians	1.06 [0.99 – 1.13]	1.03 [0.94 – 1.13]	1.14 [0.78 – 1.66]	1.50 * [1.02 – 2.21]	1.16 [0.83 – 1.63]	1.13 [0.81 – 1.57]	1.11 [0.97 – 1.27]	0.72 [0.45 – 1.12]	0.98 [0.67 – 1.41]	1.17 [0.86 – 1.58]	0.92 [0.61 – 1.37]	1.1 [0.81 – 1.48]	1.16 [0.85 – 1.58]	0.89 [0.64 – 1.23]
COVID Trust: National sci/med advisors	1.22 *** [1.15 – 1.29]	1.22 *** [1.12 – 1.33]	1.08 [0.76 – 1.52]	0.94 [0.63 – 1.41]	0.95 [0.69 – 1.31]	1.66 *** [1.24 – 2.24]	1.22 ** [1.08 – 1.39]	1.12 [0.72 – 1.77]	1.08 [0.79 – 1.48]	0.88 [0.63 – 1.24]	1.23 [0.89 – 1.70]	1.1 [0.83 – 1.44]	1.04 [0.77 – 1.39]	1.04 [0.77 – 1.41]
COVID Trust: Independent scientists	0.95 * [0.91 – 1.00]	1 [0.93 – 1.07]	1.02 [0.76 – 1.34]	0.89 [0.65 – 1.22]	1 [0.76 – 1.32]	0.73 * [0.56 – 0.95]	0.98 [0.89 – 1.09]	0.99 [0.70 – 1.37]	1.05 [0.78 – 1.41]	1.01 [0.74 – 1.37]	1.05 [0.77 – 1.41]	1.13 [0.89 – 1.42]	0.98 [0.78 – 1.23]	1.03 [0.83 – 1.27]
COVID Trust: WHO	1.19 *** [1.14 – 1.25]	1.11 ** [1.04 – 1.19]	0.96 [0.71 – 1.28]	1.58 ** [1.16 – 2.15]	1 [0.74 – 1.33]	1.03 [0.78 – 1.35]	1.05 [0.94 – 1.18]	1.11 [0.74 – 1.63]	0.9 [0.69 – 1.18]	1.07 [0.83 – 1.38]	1.13 [0.83 – 1.54]	1.57 *** [1.22 – 2.01]	1.17 [0.92 – 1.48]	1.27 * [1.01 – 1.60]
Personal efficacy	1 [0.96 – 1.05]	0.92 * [0.86 – 0.98]	0.85 [0.64 – 1.12]	1.04 [0.80 – 1.34]	0.93 [0.71 – 1.21]	0.91 [0.71 – 1.16]	0.87 ** [0.79 – 0.96]	1.02 [0.73 – 1.44]	0.92 [0.72 – 1.18]	1.01 [0.75 – 1.36]	0.85 [0.61 – 1.16]	0.82 [0.64 – 1.05]	0.73 ** [0.59 – 0.90]	1.09 [0.90 – 1.32]
Govt efficacy	1.01 [0.96 – 1.08]	1.07 [0.99 – 1.16]	1.25 [0.88 – 1.79]	0.93 [0.69 – 1.25]	0.97 [0.70 – 1.33]	1.08 [0.79 – 1.47]	1.05 [0.93 – 1.19]	1.35 [0.92 – 1.98]	1.15 [0.81 – 1.64]	1.05 [0.75 – 1.46]	1.01 [0.68 – 1.51]	0.87 [0.65 – 1.17]	1.2 [0.90 – 1.61]	1.13 [0.85 – 1.50]
Perceived infection risk	1.13 *** [1.08 – 1.17]	1.14 *** [1.08 – 1.21]	1.06 [0.82 – 1.37]	1.49 ** [1.16 – 1.92]	1 [0.80 – 1.25]	1.11 [0.89 – 1.38]	1.29 *** [1.18 – 1.42]	1.47 ** [1.11 – 1.95]	1.2 [0.97 – 1.48]	1.07 [0.83 – 1.38]	1.44 * [1.07 – 1.94]	1.28 * [1.03 – 1.59]	1.33 ** [1.09 – 1.62]	0.79 * [0.65 – 0.97]
Worry about COVID	1.47 *** [1.41 – 1.53]	1.51 *** [1.42 – 1.60]	1.69 *** [1.34 – 2.16]	1.33 * [1.05 – 1.69]	1.36 * [1.07 – 1.73]	1.19 [0.95 – 1.48]	1.36 *** [1.24 – 1.50]	1.54 ** [1.18 – 2.03]	1.33 ** [1.07 – 1.65]	1.24 [0.96 – 1.59]	1.66 *** [1.26 – 2.21]	1.31 * [1.05 – 1.62]	1.34 ** [1.10 – 1.63]	1.77 *** [1.44 – 2.19]
Observations	19216	8398	644	639	668	666	2969	530	590	677	624	682	652	653
R ² Tjur	0.128	0.101	0.096	0.184	0.061	0.137	0.151	0.141	0.077	0.04	0.115	0.197	0.102	0.132

Odds ratios [95% CI] shown, all continuous measures were standardized (scaled and mean-centered) prior to analysis. For space, samples are defined by their two character ISO country code and a letter denoting participant source (B, BVA; D, Dynata; P, Prolific; R, Respondi). ^aGender is unstandardized. Political orientation data was not collected in France; this sample is excluded from pooled data.

*p < .05, **p < .01, ***p < .001

Table S5 (continued)

Full logistic regression results from model predicting vaccine acceptance

	UK_P (Mar) OR	UK_P (May) OR	UK_P (Jul) OR	UK_P (Sep) OR	UK_R (May) OR	UK_R (Jul) OR	UK_R (Sep) OR	UK_R (Oct) OR	US_P (Mar) OR	US_R (May) OR
(Intercept)	5.20 *** [3.87 – 7.11]	7.58 *** [5.81 – 10.07]	6.42 *** [5.06 – 8.23]	4.14 *** [3.47 – 4.98]	5.62 *** [4.37 – 7.33]	6.68 *** [5.22 – 8.68]	5.56 *** [4.57 – 6.81]	4.91 *** [4.05 – 6.00]	4.66 *** [3.46 – 6.38]	5.12 *** [3.71 – 7.21]
Age	1.18 [0.96 – 1.46]	1.38 *** [1.15 – 1.65]	1.20 * [1.02 – 1.42]	1.12 [0.99 – 1.27]	1.48 *** [1.23 – 1.80]	1.38 *** [1.16 – 1.65]	1.39 *** [1.21 – 1.59]	1.37 *** [1.20 – 1.58]	0.91 [0.74 – 1.13]	1.2 [0.95 – 1.52]
Gender (Female)	0.79 [0.52 – 1.20]	0.53 *** [0.37 – 0.75]	0.56 *** [0.41 – 0.76]	0.62 *** [0.49 – 0.79]	0.78 [0.55 – 1.08]	0.68 * [0.49 – 0.94]	0.50 *** [0.38 – 0.64]	0.44 *** [0.34 – 0.57]	0.72 [0.48 – 1.09]	0.74 [0.48 – 1.13]
Education	0.98 [0.80 – 1.21]	0.85 [0.71 – 1.00]	1.13 [0.97 – 1.32]	1.02 [0.91 – 1.15]	1.05 [0.88 – 1.24]	1.07 [0.91 – 1.26]	1.11 [0.98 – 1.27]	1.18 * [1.04 – 1.34]	1.08 [0.88 – 1.32]	1.05 [0.85 – 1.30]
Numeracy	1.30 * [1.05 – 1.62]	0.99 [0.84 – 1.17]	1.20 * [1.02 – 1.41]	1.12 [0.99 – 1.26]	1.24 * [1.05 – 1.48]	1.11 [0.95 – 1.32]	1 [0.88 – 1.14]	1 [0.88 – 1.13]	1.21 [0.98 – 1.50]	1.41 ** [1.13 – 1.78]
Politics (Conservative)	0.83 [0.66 – 1.05]	0.9 [0.74 – 1.09]	0.92 [0.77 – 1.11]	0.85 * [0.74 – 0.97]	0.91 [0.76 – 1.10]	0.95 [0.79 – 1.13]	0.88 [0.77 – 1.01]	0.86 * [0.75 – 0.99]	0.73 * [0.57 – 0.93]	0.77 [0.58 – 1.01]
Prosociality	1.09 [0.89 – 1.34]	1.19 * [1.01 – 1.41]	1.15 [0.99 – 1.34]	1.11 [0.98 – 1.26]	0.89 [0.74 – 1.06]	1.04 [0.88 – 1.23]	1.09 [0.96 – 1.25]	1.07 [0.94 – 1.23]	1 [0.81 – 1.23]	1.2 [0.96 – 1.51]
General social trust	0.85 [0.68 – 1.06]	1.04 [0.86 – 1.25]	0.94 [0.79 – 1.12]	1.03 [0.91 – 1.17]	1.06 [0.88 – 1.27]	1.19 [1.00 – 1.43]	1.09 [0.96 – 1.25]	0.97 [0.85 – 1.11]	1.14 [0.90 – 1.44]	0.97 [0.77 – 1.23]
General trust: Experts	1.06 [0.83 – 1.34]	1.39 ** [1.13 – 1.70]	1.38 *** [1.16 – 1.65]	1.39 *** [1.20 – 1.60]	1.12 [0.91 – 1.38]	1.42 *** [1.17 – 1.71]	1.23 ** [1.06 – 1.44]	1.45 *** [1.24 – 1.70]	1.53 ** [1.16 – 2.03]	1.36 * [1.02 – 1.82]
General trust:Govt	1.27 [0.96 – 1.68]	1 [0.79 – 1.27]	1.06 [0.86 – 1.31]	1.27 ** [1.08 – 1.51]	1.13 [0.90 – 1.43]	1.11 [0.88 – 1.38]	1.14 [0.95 – 1.37]	1.03 [0.86 – 1.22]	0.87 [0.67 – 1.13]	0.96 [0.72 – 1.28]
COVID trust: Politicians	1.17 [0.82 – 1.67]	0.98 [0.73 – 1.31]	1.1 [0.85 – 1.44]	0.93 [0.76 – 1.14]	1.01 [0.76 – 1.33]	1.2 [0.89 – 1.62]	1.11 [0.88 – 1.39]	1.26 * [1.01 – 1.56]	1.21 [0.86 – 1.69]	1.01 [0.73 – 1.40]
COVID Trust: National sci/med advisors	1.18 [0.88 – 1.59]	1.50 *** [1.18 – 1.89]	1.22 [0.99 – 1.50]	1.14 [0.97 – 1.34]	1.17 [0.92 – 1.50]	0.95 [0.74 – 1.22]	1.25 * [1.04 – 1.50]	1.29 ** [1.07 – 1.56]	0.78 [0.57 – 1.04]	1.95 *** [1.41 – 2.73]
COVID Trust: Independent scientists	1.08 [0.84 – 1.37]	0.89 [0.73 – 1.08]	0.83 * [0.69 – 0.99]	0.93 [0.80 – 1.07]	0.84 [0.68 – 1.04]	1.02 [0.83 – 1.25]	0.88 [0.74 – 1.04]	1 [0.85 – 1.17]	1.12 [0.89 – 1.41]	0.81 [0.62 – 1.06]
COVID Trust: WHO	1.05 [0.80 – 1.35]	1.26 * [1.04 – 1.53]	1.24 * [1.03 – 1.50]	1.45 *** [1.25 – 1.68]	1.52 *** [1.22 – 1.88]	1.06 [0.85 – 1.32]	1.32 ** [1.11 – 1.57]	1.04 [0.87 – 1.24]	1.17 [0.90 – 1.51]	1.02 [0.76 – 1.37]
Personal efficacy	1.06 [0.86 – 1.31]	1.1 [0.92 – 1.30]	1.05 [0.89 – 1.23]	1.1 [0.96 – 1.25]	1.06 [0.87 – 1.29]	1.16 [0.96 – 1.39]	1.03 [0.89 – 1.18]	1.03 [0.89 – 1.18]	1.23 [0.99 – 1.52]	1.08 [0.84 – 1.38]
Govt efficacy	0.84 [0.62 – 1.13]	0.82 [0.63 – 1.05]	1.06 [0.83 – 1.34]	1 [0.84 – 1.20]	1.02 [0.79 – 1.30]	0.96 [0.73 – 1.27]	0.95 [0.77 – 1.17]	1.04 [0.86 – 1.27]	1.05 [0.77 – 1.43]	0.98 [0.72 – 1.34]
Perceived infection risk	1.18 [0.96 – 1.46]	1.39 *** [1.16 – 1.66]	1.30 ** [1.09 – 1.54]	1.04 [0.90 – 1.18]	1.19 [1.00 – 1.42]	1.18 [0.98 – 1.41]	1.09 [0.94 – 1.26]	0.99 [0.86 – 1.13]	1.26 [1.00 – 1.59]	1.46 ** [1.14 – 1.86]
Worry about COVID-19	1.1 [0.88 – 1.36]	1.25 * [1.04 – 1.48]	1.41 *** [1.19 – 1.66]	1.37 *** [1.19 – 1.57]	1.58 *** [1.33 – 1.88]	1.63 *** [1.36 – 1.96]	1.56 *** [1.36 – 1.80]	1.43 *** [1.23 – 1.65]	1.47 ** [1.17 – 1.87]	1.27 [0.99 – 1.64]
Observations	698	1143	1314	1845	1095	1249	1772	1702	693	680
R ² Tjur	0.068	0.172	0.165	0.192	0.168	0.169	0.174	0.192	0.184	0.283

Odds ratios [95CI] shown, all continuous measures were standardized (scaled and mean-centered) prior to analysis. For space, samples are defined by their two character ISO country code and a letter denoting participant source (R, Respondi; P, Prolific). Gender is unstandardized

*p<.05, **p<.01, ***p<.001

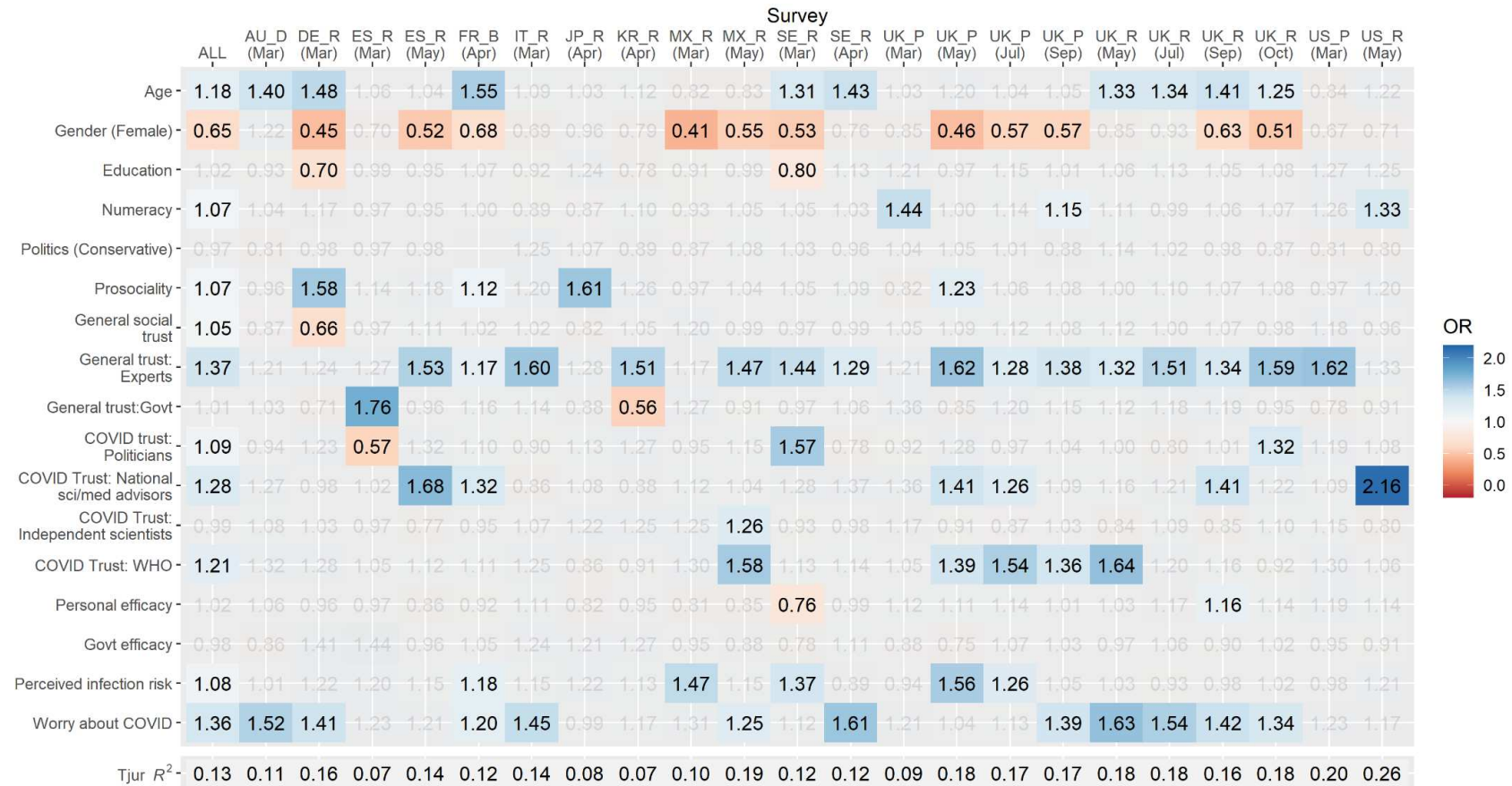


Figure S2. Heatmap of odds ratios in model predicting recommending vaccine to vulnerable friends/family. Columns represent individual samples and rows represent predictors in model. Grey values are non-significant, $p > .05$. Red shading indicates a lower likelihood of vaccine acceptance and blue shading a higher likelihood. For space, samples are defined by their two character ISO country code and a letter denoting participant source (B, BVA; D, Dynata; R, Respondi). Political orientation data was not collected in France, this sample is excluded from pooled data.

Table S6

Full logistic regression results from model predicting vaccine recommendation to vulnerable friends or family (continued on following page)

	ALL OR	AUD (Mar) OR	DER (Mar) OR	ESR (Mar) OR	ESR (May) OR	FRB (Apr) OR	ITR (Mar) OR	JPR (Apr) OR	KRR (Apr) OR	MXR (Mar) OR	MXR (May) OR	SE R (Mar) OR	SE R (Apr) OR
(Intercept)	7.64 *** [7.15 – 8.17]	10.40 *** [7.01 – 16.08]	21.06 *** [13.01 – 36.22]	13.37 *** [8.82 – 21.29]	8.84 *** [6.21 – 12.98]	6.45 *** [5.50 – 7.61]	14.40 *** [8.98 – 24.48]	4.88 *** [3.58 – 6.79]	11.66 *** [7.94 – 17.84]	22.54 *** [13.36 – 41.23]	5.04 *** [3.72 – 6.96]	5.49 *** [4.05 – 7.60]	3.72 *** [2.80 – 5.01]
Age	1.18 *** [1.13 – 1.24]	1.40 * [1.05 – 1.88]	1.48 * [1.09 – 2.02]	1.06 [0.80 – 1.41]	1.04 [0.83 – 1.32]	1.55 *** [1.39 – 1.73]	1.09 [0.79 – 1.51]	1.03 [0.81 – 1.29]	1.12 [0.86 – 1.48]	0.82 [0.60 – 1.11]	0.83 [0.68 – 1.02]	1.31 * [1.06 – 1.63]	1.43 ** [1.15 – 1.78]
Gender (Female) ^a	0.65 *** [0.59 – 0.70]	1.22 [0.71 – 2.10]	0.45 ** [0.25 – 0.81]	0.7 [0.40 – 1.21]	0.52 ** [0.32 – 0.81]	0.68 *** [0.56 – 0.84]	0.69 [0.37 – 1.26]	0.96 [0.62 – 1.50]	0.79 [0.47 – 1.32]	0.41 ** [0.20 – 0.77]	0.55 ** [0.36 – 0.82]	0.53 ** [0.35 – 0.81]	0.76 [0.50 – 1.13]
Education	1.02 [0.98 – 1.07]	0.93 [0.70 – 1.23]	0.70 * [0.52 – 0.93]	0.99 [0.76 – 1.29]	0.95 [0.76 – 1.18]	1.07 [0.97 – 1.18]	0.92 [0.67 – 1.26]	1.24 [0.99 – 1.55]	0.78 [0.59 – 1.02]	0.91 [0.65 – 1.25]	0.99 [0.81 – 1.21]	0.80 * [0.65 – 0.98]	1.13 [0.93 – 1.37]
Numeracy	1.07 *** [1.03 – 1.12]	1.04 [0.79 – 1.40]	1.17 [0.88 – 1.58]	0.97 [0.75 – 1.27]	0.95 [0.76 – 1.19]	1 [0.91 – 1.11]	0.89 [0.65 – 1.23]	0.87 [0.70 – 1.10]	1.1 [0.84 – 1.45]	0.93 [0.69 – 1.27]	1.05 [0.86 – 1.29]	1.05 [0.85 – 1.30]	1.03 [0.85 – 1.27]
Politics (Conservative)	0.97 [0.93 – 1.01]	0.81 [0.60 – 1.08]	0.98 [0.73 – 1.31]	0.97 [0.74 – 1.29]	0.98 [0.77 – 1.24]		1.25 [0.91 – 1.72]	1.07 [0.86 – 1.33]	0.89 [0.67 – 1.17]	0.87 [0.64 – 1.20]	1.08 [0.89 – 1.32]	1.03 [0.84 – 1.27]	0.96 [0.78 – 1.19]
Prosociality	1.07 ** [1.03 – 1.12]	0.96 [0.70 – 1.31]	1.58 ** [1.14 – 2.19]	1.14 [0.87 – 1.49]	1.18 [0.94 – 1.49]	1.12 * [1.01 – 1.23]	1.2 [0.88 – 1.62]	1.61 *** [1.26 – 2.07]	1.26 [0.95 – 1.66]	0.97 [0.72 – 1.31]	1.04 [0.84 – 1.27]	1.05 [0.85 – 1.30]	1.09 [0.89 – 1.34]
General social trust	1.05 * [1.00 – 1.10]	0.87 [0.62 – 1.19]	0.66 * [0.47 – 0.92]	0.97 [0.71 – 1.31]	1.11 [0.87 – 1.41]	1.02 [0.92 – 1.14]	1.02 [0.74 – 1.41]	0.82 [0.63 – 1.07]	1.05 [0.78 – 1.42]	1.2 [0.88 – 1.68]	0.99 [0.81 – 1.22]	0.97 [0.77 – 1.22]	0.99 [0.80 – 1.23]
General trust: Experts	1.37 *** [1.31 – 1.44]	1.21 [0.89 – 1.63]	1.24 [0.85 – 1.83]	1.27 [0.93 – 1.74]	1.53 *** [1.20 – 1.96]	1.17 ** [1.04 – 1.31]	1.60 ** [1.14 – 2.25]	1.28 [0.97 – 1.69]	1.51 ** [1.12 – 2.05]	1.17 [0.85 – 1.60]	1.47 ** [1.17 – 1.86]	1.44 ** [1.12 – 1.85]	1.29 * [1.02 – 1.63]
General trust: Govt	1.01 [0.96 – 1.08]	1.03 [0.72 – 1.47]	0.71 [0.46 – 1.10]	1.76 ** [1.20 – 2.62]	0.96 [0.71 – 1.30]	1.16 [0.99 – 1.35]	1.14 [0.77 – 1.70]	0.88 [0.66 – 1.18]	0.56 *** [0.40 – 0.77]	1.27 [0.84 – 1.95]	0.91 [0.70 – 1.19]	0.97 [0.73 – 1.30]	1.06 [0.78 – 1.46]
COVID trust: Politicians	1.09 * [1.01 – 1.17]	0.94 [0.59 – 1.49]	1.23 [0.75 – 2.02]	0.57 * [0.36 – 0.89]	1.32 [0.93 – 1.90]	1.1 [0.94 – 1.29]	0.9 [0.55 – 1.45]	1.13 [0.75 – 1.72]	1.27 [0.89 – 1.82]	0.95 [0.61 – 1.49]	1.15 [0.84 – 1.56]	1.57 * [1.11 – 2.23]	0.78 [0.54 – 1.10]
COVID Trust: National sci/med advisors	1.28 *** [1.21 – 1.36]	1.27 [0.85 – 1.92]	0.98 [0.59 – 1.60]	1.02 [0.69 – 1.51]	1.68 *** [1.24 – 2.30]	1.32 *** [1.14 – 1.52]	0.86 [0.54 – 1.37]	1.08 [0.77 – 1.53]	0.88 [0.61 – 1.28]	1.12 [0.78 – 1.61]	1.04 [0.78 – 1.37]	1.28 [0.93 – 1.75]	1.37 [0.99 – 1.91]
COVID Trust: Independent scientists	0.99 [0.94 – 1.04]	1.08 [0.76 – 1.53]	1.03 [0.70 – 1.52]	0.97 [0.68 – 1.36]	0.77 [0.58 – 1.02]	0.95 [0.85 – 1.07]	1.07 [0.75 – 1.50]	1.22 [0.88 – 1.70]	1.25 [0.89 – 1.74]	1.25 [0.89 – 1.74]	1.26 * [1.00 – 1.59]	0.93 [0.72 – 1.21]	0.98 [0.77 – 1.24]
COVID Trust: WHO	1.21 *** [1.15 – 1.28]	1.32 [0.93 – 1.85]	1.28 [0.86 – 1.90]	1.05 [0.74 – 1.47]	1.12 [0.84 – 1.49]	1.11 [0.98 – 1.26]	1.25 [0.83 – 1.86]	0.86 [0.63 – 1.15]	0.91 [0.66 – 1.23]	1.3 [0.93 – 1.81]	1.58 *** [1.23 – 2.02]	1.13 [0.87 – 1.47]	1.14 [0.89 – 1.46]
Personal efficacy	1.02 [0.97 – 1.06]	1.06 [0.76 – 1.47]	0.96 [0.70 – 1.30]	0.97 [0.71 – 1.32]	0.86 [0.66 – 1.11]	0.92 [0.82 – 1.02]	1.11 [0.77 – 1.59]	0.82 [0.62 – 1.07]	0.95 [0.69 – 1.31]	0.81 [0.56 – 1.15]	0.85 [0.66 – 1.10]	0.76 * [0.60 – 0.96]	0.99 [0.80 – 1.22]
Govt efficacy	0.98 [0.92 – 1.05]	0.86 [0.55 – 1.33]	1.41 [0.97 – 2.05]	1.44 [0.96 – 2.20]	0.96 [0.69 – 1.33]	1.05 [0.91 – 1.21]	1.24 [0.81 – 1.89]	1.21 [0.81 – 1.81]	1.27 [0.87 – 1.85]	0.95 [0.61 – 1.48]	0.88 [0.65 – 1.19]	0.78 [0.56 – 1.07]	1.11 [0.82 – 1.52]
Perceived infection risk	1.08 *** [1.03 – 1.13]	1.01 [0.74 – 1.37]	1.22 [0.89 – 1.68]	1.2 [0.91 – 1.58]	1.15 [0.91 – 1.45]	1.18 ** [1.06 – 1.31]	1.15 [0.83 – 1.58]	1.22 [0.96 – 1.55]	1.13 [0.84 – 1.50]	1.47 * [1.06 – 2.04]	1.15 [0.92 – 1.43]	1.37 ** [1.10 – 1.71]	0.89 [0.72 – 1.10]
Worry about COVID-19	1.36 *** [1.30 – 1.42]	1.52 ** [1.15 – 2.03]	1.41 * [1.05 – 1.90]	1.23 [0.92 – 1.64]	1.21 [0.96 – 1.52]	1.20 *** [1.08 – 1.34]	1.45 ** [1.09 – 1.92]	0.99 [0.78 – 1.25]	1.17 [0.88 – 1.53]	1.31 [0.96 – 1.79]	1.25 * [1.01 – 1.56]	1.12 [0.90 – 1.38]	1.61 *** [1.29 – 2.00]
Observations	19208	643	639	668	667	2969	530	590	677	620	681	652	653
R ² Tjur	0.131	0.109	0.162	0.069	0.136	0.118	0.137	0.076	0.073	0.105	0.186	0.121	0.124

Odds ratios [95CI] shown, all continuous measures were standardized (scaled and mean-centered) prior to analysis. For space, samples are defined by their two character ISO country code and a letter denoting participant source (D, Dynata; P, Prolific; R, Respondi). Gender is unstandardized. Political orientation data was not collected in France; this sample is excluded from pooled data. *p < .05, **p < .01, ***p < .001

Table S6 (continued)

Full logistic regression results from model predicting vaccine recommendation to vulnerable others

	UK_P(Mar)	UK_P(May)	UK_P(Jul)	UK_P(Sep)	UK_R(May)	UK_R(Jul)	UK_R(Sep)	UK_R(Oct)	US_P(Mar)	US_R(May)
	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR
(Intercept)	16.28 *** [10.45 – 26.82]	15.53 *** [11.04 – 22.50]	10.84 *** [8.18 – 14.64]	6.56 *** [5.37 – 8.08]	8.65 *** [6.48 – 11.80]	8.29 *** [6.34 – 11.02]	6.65 *** [5.41 – 8.25]	5.75 *** [4.70 – 7.10]	11.91 *** [8.02 – 18.38]	8.09 *** [5.64 – 11.97]
Age	1.03 [0.76 – 1.39]	1.20 [0.97 – 1.49]	1.04 [0.86 – 1.26]	1.05 [0.92 – 1.21]	1.33 ** [1.08 – 1.65]	1.34 ** [1.10 – 1.64]	1.41 *** [1.22 – 1.63]	1.25 ** [1.08 – 1.44]	0.84 [0.64 – 1.10]	1.22 [0.94 – 1.58]
Gender (Female)	0.85 [0.46 – 1.55]	0.46 *** [0.30 – 0.69]	0.57 ** [0.40 – 0.82]	0.57 *** [0.44 – 0.74]	0.85 [0.58 – 1.24]	0.93 [0.65 – 1.33]	0.63 *** [0.48 – 0.82]	0.51 *** [0.39 – 0.66]	0.67 [0.40 – 1.11]	0.71 [0.45 – 1.12]
Education	1.21 [0.89 – 1.62]	0.97 [0.79 – 1.18]	1.15 [0.96 – 1.37]	1.01 [0.89 – 1.15]	1.06 [0.88 – 1.29]	1.13 [0.94 – 1.35]	1.05 [0.91 – 1.20]	1.08 [0.94 – 1.23]	1.27 [0.98 – 1.64]	1.25 [0.99 – 1.58]
Numeracy	1.44 * [1.05 – 2.02]	1.00 [0.82 – 1.22]	1.14 [0.95 – 1.37]	1.15 * [1.00 – 1.32]	1.11 [0.92 – 1.35]	0.99 [0.83 – 1.19]	1.06 [0.93 – 1.22]	1.07 [0.94 – 1.22]	1.26 [0.96 – 1.66]	1.33 * [1.04 – 1.72]
Politics (Conservative)	1.04 [0.74 – 1.46]	1.05 [0.84 – 1.32]	1.01 [0.82 – 1.25]	0.88 [0.76 – 1.03]	1.14 [0.92 – 1.41]	1.02 [0.83 – 1.24]	0.98 [0.85 – 1.14]	0.87 [0.75 – 1.00]	0.81 [0.60 – 1.09]	0.80 [0.60 – 1.08]
Prosociality	0.82 [0.60 – 1.09]	1.23 * [1.01 – 1.50]	1.06 [0.89 – 1.25]	1.08 [0.94 – 1.23]	1.00 [0.82 – 1.22]	1.1 [0.91 – 1.33]	1.07 [0.93 – 1.23]	1.08 [0.94 – 1.24]	0.97 [0.75 – 1.25]	1.20 [0.94 – 1.53]
General social trust	1.05 [0.77 – 1.43]	1.09 [0.87 – 1.36]	1.12 [0.92 – 1.37]	1.08 [0.95 – 1.24]	1.12 [0.91 – 1.39]	1.00 [0.81 – 1.21]	1.07 [0.93 – 1.24]	0.98 [0.85 – 1.13]	1.18 [0.89 – 1.57]	0.96 [0.75 – 1.24]
General trust: Experts	1.21 [0.87 – 1.69]	1.62 *** [1.28 – 2.05]	1.28 * [1.05 – 1.55]	1.38 *** [1.19 – 1.61]	1.32 * [1.05 – 1.66]	1.51 *** [1.23 – 1.84]	1.34 *** [1.14 – 1.57]	1.59 *** [1.35 – 1.87]	1.62 ** [1.17 – 2.27]	1.33 [0.98 – 1.81]
General trust:Govt	1.36 [0.90 – 2.06]	0.85 [0.64 – 1.13]	1.2 [0.93 – 1.53]	1.15 [0.96 – 1.38]	1.12 [0.86 – 1.44]	1.18 [0.92 – 1.51]	1.19 [0.98 – 1.44]	0.95 [0.80 – 1.14]	0.78 [0.55 – 1.08]	0.91 [0.67 – 1.24]
COVID trust: Politicians	0.92 [0.55 – 1.53]	1.28 [0.91 – 1.83]	0.97 [0.71 – 1.32]	1.04 [0.83 – 1.30]	1.00 [0.73 – 1.37]	0.80 [0.57 – 1.13]	1.01 [0.79 – 1.28]	1.32 * [1.05 – 1.66]	1.19 [0.77 – 1.81]	1.08 [0.75 – 1.54]
COVID Trust: National sci/med advisors	1.36 [0.90 – 2.07]	1.41 * [1.07 – 1.85]	1.26 * [1.00 – 1.58]	1.09 [0.91 – 1.30]	1.16 [0.88 – 1.52]	1.21 [0.91 – 1.59]	1.41 *** [1.16 – 1.72]	1.22 [1.00 – 1.48]	1.09 [0.76 – 1.55]	2.16 *** [1.53 – 3.08]
COVID Trust: Independent scientists	1.17 [0.83 – 1.64]	0.91 [0.72 – 1.15]	0.87 [0.70 – 1.06]	1.03 [0.88 – 1.20]	0.84 [0.65 – 1.07]	1.09 [0.86 – 1.37]	0.85 [0.71 – 1.01]	1.10 [0.93 – 1.30]	1.15 [0.86 – 1.53]	0.80 [0.59 – 1.06]
COVID Trust: WHO	1.05 [0.73 – 1.51]	1.39 ** [1.11 – 1.75]	1.54 *** [1.25 – 1.90]	1.36 *** [1.16 – 1.60]	1.64 *** [1.29 – 2.09]	1.2 [0.94 – 1.53]	1.16 [0.96 – 1.39]	0.92 [0.76 – 1.11]	1.30 [0.96 – 1.75]	1.06 [0.76 – 1.47]
Personal efficacy	1.12 [0.84 – 1.50]	1.11 [0.91 – 1.36]	1.14 [0.95 – 1.35]	1.01 [0.87 – 1.16]	1.03 [0.83 – 1.27]	1.17 [0.96 – 1.43]	1.16 * [1.00 – 1.35]	1.14 [0.99 – 1.32]	1.19 [0.92 – 1.53]	1.14 [0.87 – 1.48]
Govt efficacy	0.88 [0.57 – 1.36]	0.75 [0.56 – 1.01]	1.07 [0.81 – 1.42]	1.03 [0.85 – 1.25]	0.97 [0.74 – 1.28]	1.06 [0.78 – 1.46]	0.9 [0.72 – 1.12]	1.02 [0.83 – 1.25]	0.95 [0.66 – 1.39]	0.91 [0.65 – 1.29]
Perceived infection risk	0.94 [0.69 – 1.28]	1.56 *** [1.25 – 1.94]	1.26 * [1.03 – 1.53]	1.05 [0.91 – 1.21]	1.03 [0.84 – 1.27]	0.93 [0.75 – 1.14]	0.98 [0.84 – 1.14]	1.02 [0.88 – 1.17]	0.98 [0.73 – 1.31]	1.21 [0.92 – 1.58]
Worry about COVID	1.21 [0.89 – 1.62]	1.04 [0.84 – 1.28]	1.13 [0.93 – 1.37]	1.39 *** [1.20 – 1.62]	1.63 *** [1.35 – 1.98]	1.54 *** [1.26 – 1.89]	1.42 *** [1.23 – 1.65]	1.34 *** [1.15 – 1.55]	1.23 [0.92 – 1.64]	1.17 [0.89 – 1.53]
Observations	698	1142	1314	1844	1094	1249	1772	1702	693	680
R ² Tjur	0.086	0.181	0.169	0.167	0.183	0.185	0.160	0.182	0.200	0.261

Odds ratios [95%CI] shown, all continuous measures were standardized (scaled and mean-centered) prior to analysis. For space, samples are defined by their two character ISO country code and a letter denoting participant source (D, Dynata; P, Prolific; R, Respondi). Gender is unstandardized. *p < .05, **p < .01, ***p < .001

Table S7

Results of multi-level model (samples nested by country and month) adjusting for survey-level variables.

	<i>OR</i>	<i>CI</i>
(Intercept)	6.59 ***	4.00 – 10.84
Age	1.20 ***	1.15 – 1.25
Gender (Female)	0.58 ***	0.54 – 0.63
Education	1.02	0.98 – 1.07
Numeracy	1.02	0.98 – 1.05
Politics (Conservative)	0.93 ***	0.89 – 0.97
Prosociality	1.06 **	1.02 – 1.10
General social trust	1.04	1.00 – 1.08
General trust: Experts	1.30 ***	1.24 – 1.36
General trust: Govt	1.05	1.00 – 1.11
COVID trust: Politicians	1.06	0.99 – 1.13
COVID Trust: National sci/med advisors	1.19 ***	1.13 – 1.26
COVID Trust: Independent scientists	0.94 *	0.90 – 0.99
COVID Trust: WHO	1.23 ***	1.17 – 1.29
Personal efficacy	1.01	0.96 – 1.05
Govt efficacy	1.00	0.94 – 1.06
Perceived infection risk	1.15 ***	1.11 – 1.20
Worry about COVID	1.44 ***	1.38 – 1.50
Days since first case ^a	0.91	0.62 – 1.35
Total confirmed cases ^a	0.46 ***	0.30 – 0.70
Total confirmed deaths ^a	3.07 ***	1.78 – 5.29
Government intervention (Stringency Index) ^a	0.93	0.83 – 1.05
Random effects		
σ^2	3.29	
τ_{00} Country	0.18	
τ_{00} Month	0.24	
Intraclass Correlation Coefficient	0.11	
N_{Country}	10	
N_{Month}	6	
Observations	19216	
Marginal R^2 / Conditional R^2	0.218 / 0.306	

Odds ratios [95CI] based on standardized (scaled and mean centered) continuous variables, except for gender which is unstandardized. ^a Denotes variables measured at the level of country and month of survey; due to the small number of countries and timepoints included in the model these estimates are biased and should be treated with caution (see Bryan & Jenkins, 2016; <https://doi.org/10.1093/esr/jcv059>). * $p < .05$, ** $p < .01$, *** $p < .001$.

Table S8

Result of logistic regression models predicting vaccine acceptance, including or excluding general vaccine attitudes.

	Basemodel			Including general vaccine attitudes		
	UKProlific (Sep)	UKRespondi (Sep)	UKRespondi (Oct)	UKProlific (Sep)	UKRespondi (Sep)	UKRespondi (Oct)
	OR	OR	OR	OR	OR	OR
(Intercept)	4.14 *** [3.47 – 4.98]	5.56 *** [4.57 – 6.81]	4.91 *** [4.05 – 6.00]	4.28 *** [3.57 – 5.17]	6.17 *** [5.02 – 7.67]	5.40 *** [4.39 – 6.69]
Age	1.12 [0.99 – 1.27]	1.39 *** [1.21 – 1.59]	1.37 *** [1.20 – 1.58]	1.15 * [1.01 – 1.31]	1.32 *** [1.15 – 1.52]	1.25 ** [1.08 – 1.45]
Gender (Female)	0.62 *** [0.49 – 0.79]	0.50 *** [0.38 – 0.64]	0.44 *** [0.34 – 0.57]	0.63 *** [0.49 – 0.80]	0.49 *** [0.37 – 0.64]	0.43 *** [0.33 – 0.57]
Education	1.02 [0.91 – 1.15]	1.11 [0.98 – 1.27]	1.18 * [1.04 – 1.34]	1.00 [0.88 – 1.13]	1.08 [0.94 – 1.23]	1.14 [1.00 – 1.31]
Numeracy	1.12 [0.99 – 1.26]	1.00 [0.88 – 1.14]	1.00 [0.88 – 1.13]	1.06 [0.93 – 1.20]	0.93 [0.82 – 1.07]	0.87 * [0.76 – 0.99]
Politics (Conservative)	0.85 * [0.74 – 0.97]	0.88 [0.77 – 1.01]	0.86 * [0.75 – 0.99]	0.85 * [0.74 – 0.98]	0.87 [0.75 – 1.01]	0.85 * [0.73 – 0.98]
Prosociality	1.11 [0.98 – 1.26]	1.09 [0.96 – 1.25]	1.07 [0.94 – 1.23]	1.10 [0.96 – 1.25]	1.08 [0.94 – 1.24]	1.04 [0.90 – 1.20]
General social trust	1.03 [0.91 – 1.17]	1.09 [0.96 – 1.25]	0.97 [0.85 – 1.11]	1.03 [0.91 – 1.17]	1.04 [0.90 – 1.20]	0.96 [0.83 – 1.11]
General trust: Experts	1.39 *** [1.20 – 1.60]	1.23 ** [1.06 – 1.44]	1.45 *** [1.24 – 1.70]	1.28 ** [1.11 – 1.49]	1.11 [0.95 – 1.31]	1.29 ** [1.09 – 1.53]
General trust: Govt	1.27 ** [1.08 – 1.51]	1.14 [0.95 – 1.37]	1.03 [0.86 – 1.22]	1.24 * [1.05 – 1.48]	1.16 [0.96 – 1.40]	0.99 [0.82 – 1.19]
COVID trust: Politicians	0.93 [0.76 – 1.14]	1.11 [0.88 – 1.39]	1.26 * [1.01 – 1.56]	0.95 [0.77 – 1.17]	1.17 [0.92 – 1.48]	1.35 * [1.07 – 1.70]
COVID Trust: National sci/med advisors	1.14 [0.97 – 1.34]	1.25 * [1.04 – 1.50]	1.29 ** [1.07 – 1.56]	1.12 [0.94 – 1.32]	1.14 [0.94 – 1.38]	1.20 [0.98 – 1.47]
COVID Trust: Independent scientists	0.93 [0.80 – 1.07]	0.88 [0.74 – 1.04]	1.00 [0.85 – 1.17]	0.95 [0.82 – 1.11]	0.90 [0.75 – 1.07]	0.95 [0.80 – 1.13]
COVID Trust: WHO	1.45 *** [1.25 – 1.68]	1.32 ** [1.11 – 1.57]	1.04 [0.87 – 1.24]	1.41 *** [1.21 – 1.64]	1.33 ** [1.11 – 1.59]	1.03 [0.85 – 1.25]
Personal efficacy	1.10 [0.96 – 1.25]	1.03 [0.89 – 1.18]	1.03 [0.89 – 1.18]	1.06 [0.93 – 1.22]	1.00 [0.86 – 1.16]	0.98 [0.84 – 1.14]
Govt efficacy	1.00 [0.84 – 1.20]	0.95 [0.77 – 1.17]	1.04 [0.86 – 1.27]	1.01 [0.84 – 1.22]	0.95 [0.77 – 1.18]	1.08 [0.88 – 1.33]
Perceived infection risk	1.04 [0.90 – 1.18]	1.09 [0.94 – 1.26]	0.99 [0.86 – 1.13]	1.02 [0.88 – 1.17]	1.12 [0.96 – 1.31]	0.97 [0.83 – 1.12]
Worry about COVID	1.37 *** [1.19 – 1.57]	1.56 *** [1.36 – 1.80]	1.43 *** [1.23 – 1.65]	1.36 *** [1.18 – 1.57]	1.47 *** [1.26 – 1.70]	1.39 *** [1.19 – 1.63]
General vaccine attitudes				1.69 *** [1.51 – 1.89]	2.08 *** [1.84 – 2.37]	2.32 *** [2.02 – 2.66]
Observations	1845	1772	1702	1839	1767	1698
R ² Tjur	0.192	0.174	0.192	0.235	0.247	0.281

Odds ratios [95CI] based on standardized (scaled and mean centered) continuous variables except for gender which is unstandardized.

*p<.05, **p<.01, ***p<.001