

Table 3 Factors predicting vaccine uptake – full model

	Unadjusted (Crude)				Adjusted					
	B	SE B	Odds ratio	P-value	B	SE B	Odds ratio	95% CI for odds ratio		P-value
								Lower	Upper	
Gender										
Female	-0.691	0.089	0.501	<0.001	-0.71	0.096	0.491	0.405	0.597	<0.001
Age	0.339	0.099	1.403	<0.001	0.317	0.043	1.374	1.263	1.494	<0.001
Education level										
None (Reference)				<0.001						<0.001
Primary	0.277	0.520	1.318	0.594	0.306	0.961	1.359	0.451	4.091	0.586
Secondary	0.466	0.490	1.577	0.351	0.468	0.53	1.587	0.665	4.507	0.377
Tertiary	0.905	0.487	2.472	0.065	1.051	0.519	2.834	0.884	7.809	0.051
Household size	-0.049	0.049	0.81	0.700	0.019	0.053	1.009	0.818	1.19	0.723
Saudi nationals	0.369	0.213	1.448	0.084	0.689	0.231	1.991	1.287	3.219	0.003
Education worker	0.403	0.131	1.512	0.002	-0.199	0.343	0.82	0.513	1.084	0.364
Health worker										
No (Reference)				<0.001						0.009
Doctor	0.883	0.235	2.418	<0.001	0.648	0.28	1.815	1.108	3.308	0.02
Nurse	-0.052	0.283	0.950	0.844	0.19	0.282	1.209	0.698	2.302	0.5
Pharmacist	0.372	0.420	1.450	0.377	0.316	0.401	1.372	0.667	3.32	0.483
Others	0.710	0.246	2.014	0.004	0.597	0.258	1.808	1.098	3.013	0.021
Region										
Riyadh (Reference)				0.090						0.132
Asir	0.032	0.186	1.032	0.864	-0.046	0.199	0.955	0.647	1.409	0.836
Al Bahah	0.094	0.396	1.098	0.871	0.144	0.364	1.155	0.688	2.396	0.832
Al Jawf	0.101	0.301	1.108	0.738	-0.049	0.313	0.952	0.605	1.795	0.879
Al Madinah	-0.077	0.169	0.925	0.646	-0.191	0.181	0.826	0.579	1.179	0.282
Al Qassim	0.09	0.207	1.092	0.808	-0.251	0.22	0.794	0.516	1.222	0.294
Eastern	-0.252	0.123	0.777	0.04	-0.333	0.153	0.717	0.553	0.93	0.012
Tabuk	0.188	0.282	1.207	0.475	-0.007	0.278	0.885	0.577	1.712	0.981
Hail	0.273	0.306	1.314	0.372	0.296	0.319	1.345	0.708	2.664	0.368
Jazan	0.188	0.296	1.207	0.465	0.012	0.271	1.012	0.695	1.323	0.463
Makkah	0.304	0.171	1.355	0.075	0.115	0.182	1.122	0.789	1.603	0.528
Najran	-0.852	0.284	0.512	0.006	-0.822	0.306	0.439	0.241	0.8	0.007
Northern Borders	0.188	0.346	1.207	0.587	-0.172	0.381	0.842	0.388	1.777	0.652
Other vaccination status										
No				0.052						0.548
Yes	0.24	0.141	1.271	0.088	0.086	0.195	1.09	0.804	1.476	0.38
I don't know	0.008	0.187	1.008	0.962	0.091	0.181	1.095	0.768	1.962	0.636
COVID-19 at home										
No				0.001						<0.001
Yes	-0.356	0.097	0.705	<0.001	-0.43	0.107	0.651	0.528	0.802	<0.001
I don't know	0.338	0.216	1.148	0.509	0.207	0.231	1.25	0.782	1.895	0.37
Descriptive social norms										
The family will take the vaccine	0.696	0.179	2.095	<0.001	0.205	0.228	1.345	0.898	2.302	0.197
Friends will take the vaccine	0.270	0.186	1.310	0.146	-0.185	0.228	0.831	0.531	1.3	0.417

Table 3 Factors predicting vaccine uptake – full model (continued)

	Unadjusted (Crude)				Adjusted					
	B	SE B	Odds ratio	P-value	B	SE B	Odds ratio	95% CI for odds ratio		P-value
								Lower	Upper	
Injunctive social norms										
Everyone should get the vaccine to protect others	0.966	0.363	2.627	<0.001	0.58	0.204	1.787	1.099	2.882	0.004
Always wear a mask in public	0.908	0.384	2.480	0.018	0.71	0.419	2.095	0.905	4.668	0.085
External locus of control (getting sick)	-0.075	0.093	0.928	0.424	0.066	0.201	1.083	0.876	1.304	0.512
Government responses to COVID-19 effective	0.350	0.393	1.732	0.182	0.343	0.454	1.154	0.474	2.807	0.753
Main vaccine benefits										
None				<0.001						<0.001
Reducing interactions	1.256	0.214	3.576	<0.001	1.204	0.287	3.333	1.974	5.627	<0.001
Protecting myself	1.279	0.209	3.595	<0.001	1.052	0.261	2.863	1.795	4.78	<0.001
Protecting others	1.025	0.228	2.787	<0.001	0.863	0.283	2.371	1.365	4.126	0.002
Something else	0.789	0.288	2.2	0.006	0.706	0.325	2.025	1.07	3.851	0.03
Preferred vaccine										
None				<0.001						<0.001
AstraZeneca	0.81	0.248	2.248	0.001	0.857	0.299	2.31	1.594	3.437	0.001
Pfizer	-0.698	0.095	0.498	<0.001	-0.648	0.103	0.538	0.441	0.659	<0.001
Constant					-2.377	0.863	0.093			0.006