

Supplement Table1: Willing to be vaccinated by Knowledge of study population about the nature of COVID-19 virus

Question	Willing to take the vaccine (n = 889)		P. value
	Yes n (%)	No n (%)	
What is COVID-19?			
Real virus	503 (69.1)	225 (30.1)	<0.001
Fabricated virus	54 (38.8)	85 (61.2)	
I Don't know what is COVID-19	7 (38.9)	11 (61.1)	
COVID-19 does not exist	0 (0.0)	4 (100.0)	
Do you think that you are susceptible to get the COVID-19 infection?			
Yes	542 (64.6)	297 (35.4)	0.012
No	12 (47.8)	11 (52.2)	
Don't know	11 (40.7)	16 (59.3)	
Do you think washing hands for 20 seconds will limit the COVID-19 spread?			
Yes	499 (64.6)	274 (35.4)	0.20
No	52 (55.3)	42 (44.7)	
Don't know	13 (59.1)	9 (40.9)	
Do you think wearing the mask correctly will aid to limit COVID-19 spread?			
Yes	533 (66.1)	273 (33.9)	<0.001
No	26 (38.8)	41 (61.2)	
Don't know	5 (31.3)	11 (68.7)	
Do you think keeping a safe distance of at least one meter from others will help to restrict COVID-19 spread?			
Yes	534 (64.9)	289 (35.1)	0.007
No	23 (45.1)	28 (54.9)	
Don't know	7 (46.7)	8 (53.3)	
Do you think that following the health instructions compared with the possible COVID-19 vaccine will limit the spread of the corona infection?			
Yes	483 (62.6)	288 (37.4)	0.36
No	54 (66.7)	27 (33.3)	
Don't know	27 (73.0)	10 (27.0)	
Score of knowledge about the nature of COVID-19 virus^a			
(0)	0 (0.0)	4 (100.0)	<0.001
(1)	1 (16.7)	5 (83.3)	
(2)	11 (47.8)	12 (52.2)	
(3)	12 (42.9)	16 (57.1)	
(4)	32 (45.7)	38 (54.3)	
(5)	141 (62.9)	83 (37.1)	

(6)	367 (68.7)	167 (31.3)	
low knowledge score	135 (60.0)	90 (40.0)	
Moderate knowledge score	298 (68.7)	136 (31.3)	0.05
High knowledge score	131 (57.0)	99 (43.0)	

^aThe first option in each question above is considered the true answer; (0) represents no true answers answered by the participants, (1) represents one true answer answered by the participant and so on. Low score (represents the 1st 1/3 of the answers), moderate score (represents the 2nd 1/3 of the answers), and high score (represents the 3rd 1/3 of the answers).

Supplement Table2: Study population willingness to be vaccinated based on knowledge about prevention and treatment

Question	Willing to take the vaccine (n = 889)		P.value
	Yes n (%)	No n (%)	
Do you think antiviral medications will help in recovery from COVID-19 infection?			
Yes	108 (63.2)	63 (36.8)	0.23
No	232 (66.7)	116 (33.3)	
Don't know	224 (60.5)	146 (39.5)	
Do you think anti-malarial medications will help in treating COVID-19 infection?			
Yes	43 (59.7)	29 (40.3)	0.15
No	274 (66.8)	136 (33.2)	
Don't know	247 (60.7)	160 (39.3)	
Do you think consumption of vitamins such as vitamin C will help in COVID-19 prevention?			
Yes	264 (56.7)	202 (43.3)	<0.001
No	212 (73.4)	77 (26.6)	
Don't know	88 (65.7)	46 (34.3)	
Do you think using plasma from recovered COVID-19 patients will help in treating COVID-19 infection?			
Yes	222 (66.3)	113 (33.7)	0.024
No	130 (68.4)	60 (31.6)	
Don't know	212 (58.2)	152 (41.8)	
Do you think the future COVID-19 vaccine will be safe?			
Yes	220 (90.5)	23 (9.5)	<0.001
No	61 (27.7)	159 (72.3)	
Don't know	283 (66.4)	143 (33.6)	
Do you think the future COVID-19 vaccine will cause side effects?			
Yes	261 (55.3)	211 (44.7)	<0.001
No	48 (78.7)	13 (21.3)	
Don't know	255 (71.6)	101 (28.4)	
Do you think the future COVID-19 vaccine should be given annually?			
Yes	247 (74.4)	85 (25.6)	<0.001
No	137 (52.9)	122 (47.1)	
Don't know	180 (60.4)	118 (39.6)	
Do you think the future COVID-19 vaccine should be given separately from other vaccines?			
Yes	366 (64.0)	206 (36.0)	0.88
No	54 (63.5)	31 (36.5)	
Don't know	144 (62.1)	88 (37.9)	
Do you think the future COVID-19 vaccine will increase			

corona infection cases instead of providing immunity?			
Yes	44 (38.3)	71 (61.7)	
No	349 (79.0)	93 (21.0)	< 0.001
Don't know	171 (51.5)	161 (48.5)	
Score of knowledge about the COVID-19 prevention and treatment^b			
(0)	27 (57.4)	20 (42.6)	
(1)	83 (64.3)	46 (35.7)	
(2)	112 (68.3)	52 (31.7)	
(3)	121 (58.2)	87 (41.8)	0.31
(4)	99 (65.1)	53 (34.9)	
(5)	66 (64.7)	36 (35.3)	
(6)	32 (62.7)	19 (37.3)	
(7)	11 (52.4)	10 (47.6)	
(8)	7 (77.8)	2 (22.2)	
(9)	6 (100.0)	0 (0.0)	
Low score	110 (62.5)	66 (37.5)	
Moderate score	233 (62.6)	139 (37.4)	0.85
High score	99 (65.1)	53 (34.9)	

^bThe first option in each question above is considered the true answer; (0) represents no true answers answered by the participants, (1) represents one true answer answered by the participant and so on. Low score (represents the 1st 1/3 of the answers), moderate score (represents the 2nd 1/3 of the answers), and high score (represents the 3rd 1/3 of the answers).

Supplement Table3: Willingness to be vaccinated based on study population knowledge on priority groups to get the vaccine

Question	Willing to take the vaccine (n = 889)		
	Yes n (%)	No n (%)	P.value
Do you think future COVID-19 should be given to newborn?			
Yes	230 (83.0)	47 (17.0)	
No	195 (48.4)	208 (51.6)	<0.001
Don't know	139 (66.5)	70 (33.5)	
Do you think future COVID-19 should be given to children younger than 18 years?			
Yes	343 (81.7)	77 (18.3)	
No	119 (41.9)	165 (58.1)	<0.001
Don't know	102 (55.1)	83 (44.9)	
Do you think future COVID-19 should be given to pregnant women?			
Yes	256 (81.3)	59 (18.7)	
No	121 (41.0)	174 (59.0)	<0.001
Don't know	187 (67.0)	92 (33.0)	
Do you think future COVID-19 should be given to elderly people?			
Yes	498 (72.8)	186 (27.2)	
No	22 (23.9)	70 (76.1)	<0.001
Don't know	44 (38.9)	69 (61.1)	
Do you think future COVID-19 should be given to immunocompromised patients?			
Yes	415 (71.7)	164 (28.3)	
No	56 (39.4)	86 (60.6)	<0.001
Don't know	93 (55.4)	75 (44.6)	
Score of knowledge about priority groups to be vaccinated^c			
(0)	33 (23.6)	107 (76.4)	
(1)	40 (44.0)	51 (56.0)	
(2)	121 (59.9)	81 (40.1)	<0.001
(3)	137 (78.3)	38 (21.7)	
(4)	116 (77.3)	34 (22.7)	
(5)	117 (89.3)	14 (10.7)	
Low knowledge score	73 (31.6)	158 (68.4)	
Moderate knowledge score	258 (68.4)	119 (31.4)	<0.001
High knowledge score	116 (77.3)	34 (22.7)	

^cThe first option in each question above is considered the true answer; (0) represents no true answers answered by the participants, (1) represents one true answer answered by the participant and so on. Low score (represents the 1st 1/3 of the answers), moderate score (represents the 2nd 1/3 of the answers), and high score (represents the 3rd 1/3 of the answers).

Supplement Table4: Attitude of study participant's toward getting a COVID-19 vaccine based on their trust of vaccination

Question	Willing to take the vaccine (n =889)		P. value
	Yes n (%)	No n (%)	
Would you give the COVID-19 vaccine to your children if available?			
Agree	406 (94.2)	25 (5.8)	
Disagree	75 (21.9)	267 (78.1)	<0.001
Don't know	83 (71.6)	33 (28.4)	
Do you trust in scientists and researchers thoughts about future COVID-19 vaccine?			
Agree	475 (88.0)	65 (12.0)	
Disagree	30 (14.6)	175 (85.4)	<0.001
Don't know	59 (41.0)	85 (59.0)	
Do you think the period (6 to 12 months) in which the scientists trying to develop a COVID-19 vaccine is enough?			
Ye	261 (77.9)	74 (22.1)	
No	163 (54.3)	137 (45.7)	<0.001
Don't know	140 (55.1)	114 (44.9)	
Do you think information about COVID-19 vaccine production is clear and should be open to public?			
Yes	264 (73.9)	93 (26.1)	
No	200 (52.9)	178 (47.1)	<0.001
Don't know	100 (64.9)	54 (35.1)	
Score of attitude toward COVID-19 vaccine versus lack of trust^d			
(0)	18 (10.8)	149 (89.2)	
(1)	73 (38.8)	115 (61.2)	
(2)	189 (81.8)	42 (18.2)	<0.001
(3)	181 (91.0)	18 (9.0)	
(4)	103 (99.0)	1 (1.0)	
Low score	18 (10.8)	149 (89.2)	
Moderate score	73 (38.8)	115 (61.2)	<0.001
High score	189 (81.8)	42 (18.2)	

^dThe first option in each question above is considered the true answer; (0) represents no true answers answered by the participants, (1) represents one true answer answered by the participant and so on. Low score (represents the 1st 1/3 of the answers), moderate score (represents the 2nd 1/3 of the answers), and high score (represents the 3rd 1/3 of the answers).