

## Supplementary file2: Bivariate Results

**Table S2.1. Factors associated non-adherence to COVID-19 prevention guidelines / protocols (bivariate Analysis)**

Characteristics	adherent (n=107)	Nonadherent (n=1946)	Un-adjusted PR (95% CI)	P-value
<b>Demographics</b>				
<b>Region</b>				
Central	81 (14.7)	472 (85.4)	1	
Eastern	11 (6.5)	158 (93.5)	0.41 (0.21 – 0.78)	0.007
Northern	7 (4.0)	167 (96.0)	0.24 (0.11 – 0.54)	< 0.001
Western	8 (5.1)	149 (94.9)	0.31 (0.15 – 0.66)	0.002
<b>Residence</b>				
Rural	484 (88.8)	61 (11.2)	1	
Urban	462 (90.9)	46 (9.1)	0.79 (0.53 – 1.18)	0.252
<b>Age</b>				
18-34	59 (11.1)	471 (88.9)	1	
35-54	38 (9.1)	381 (90.9)	0.80 (0.52 – 1.22)	0.298
55-64	8 (11.0)	65 (89.0)	0.98 (0.45 – 2.14)	0.965
65+	2 (6.4)	29 (93.6)	0.55 (0.13 – 2.37)	0.422
<b>Gender</b>				
Female	50 (12.4)	352 (87.6)	1	
Male	57 (8.8)	594 (91.2)	0.68 (0.45 – 1.01)	0.056
<b>Education</b>				
No formal Education	71 (89.9)	8 (10.1)	1	
Primary	311 (90.1)	34 (9.9)	0.97 (0.43 – 2.19)	0.942
Secondary	345 (89.4)	41 (10.6)	1.05 (0.47 – 2.35)	0.896
Tertiary	219 (90.1)	24 (9.9)	0.97 (0.42 – 2.26)	0.949
<b>Occupation</b>				
Casual Labourer	49 (87.5)	7 (12.5)	1	
Farmer	237 (91.2)	23 (8.9)	0.68 (0.28 – 1.67)	0.400
Formally Employed	156 (91.3)	15 (8.8)	0.67 (0.26 – 1.75)	0.415
House Wife	55 (93.2)	4 (6.8)	0.51 (0.14 – 1.84)	0.304
Self Employed	323 (87.8)	45 (12.2)	0.98 (0.42 – 2.28)	0.954
Unemployed	59 (89.4)	7 (10.6)	0.83 (0.27 – 2.53)	0.744
Student	43 (93.5)	3 (6.5)	0.49 (0.12 – 2.01)	0.320
Others	24 (88.9)	3 (11.1)	0.88 (0.21 – 3.69)	0.856
<b>Household Size</b>				
<5	47 (12.6)	327 (87.4)	1	
5 – 10	52 (8.9)	533 (91.1)	0.68 (0.45 – 1.03)	0.069
>10	8 (8.5)	86 (91.5)	0.65 (0.29 – 1.42)	0.278
<b>Monthly Income (USD)</b>				
≤ 13.7	18 (7.7)	217 (92.3)	1	
13.7 – 27.4	13 (7.9)	152 (92.1)	1.03 (0.49 – 2.17)	0.936
27.4 – 54.8	17 (8.6)	180 (91.4)	1.14 (0.57 – 2.27)	0.713
54.8 – 137	33 (11.4)	256 (88.6)	1.55 (0.85 – 2.83)	0.151
≥137	25 (16.4)	127 (83.6)	2.37 (1.24 – 4.52)	0.009
<b>COVID-19 Knowledge Level</b>				

Low	61(88.4)	8 (11.6)	1	
High	885 (89.9)	99 (10.1)	0.85 (0.40 – 1.83)	0.684
<b>Perception of COVID-19 prevention measure</b>				
Poor perception	100 (92.6)	8 (7.4)	1	
Good perception	846 (89.5)	99 (10.5)	1.46 (0.69 – 3.10)	0.320
<b>Ever had experience with COVID-19</b>				
No	712 (89.7)	82 (10.3)	1	
Yes	234 (90.4)	25 (9.7)	0.93 (0.58 – 1.49)	0.755
<b>Reported history of chronic disease</b>				
No	733 (91.2)	71 (8.8)	1	
Yes	213 (85.5)	36 (14.5)	1.74 (1.14 – 2.68)	0.010
<b>Worry about the likelihood of getting COVID-19</b>				
Strongly agree/Agree	763 (90.2)	83 (9.8)	1	
Strongly disagree/Disagree	183 (88.4)	24 (11.6)	1.21 (0.74 – 1.95)	0.447
<b>Future chances before the vaccine are high</b>				
Strongly agree/Agree	707 (90.1)	78 (9.9)	1	
Strongly Disagree/Disagree	239 (89.2)	29 (10.8)	1.10 (0.70 – 1.73)	0.679
<b>Will be very sick if I get COVID-19</b>				
Strongly agree/Agree	77 (9.6)	723 (90.4)	1	
Strongly disagree/Disagree	30 (11.9)	223 (88.1)	1.26 (0.81 – 1.98)	0.306
<b>If I suffer from COVID-19, I cannot be infected again and will not need to take preventive precaution</b>				
Strongly agree/Agree	33 (12.2)	237 (87.8)	1	
Strongly disagree/Disagree	74 (9.4)	709 (90.6)	0.75 (0.48 – 1.16)	0.195

**Table S2.2: Factors associated with a definite intention to take a COVID-19 vaccine ((bivariate Analysis)**

Characteristics	Definitely Yes (n=609)	Probably yes/Probably no/Definitely no (n=444)	Un-adjusted PR (95% CI)	P-value
<b>Demographics</b>				
<b>Region</b>				
Central	292 (52.8)	261 (47.2)	1	
Eastern	94 (55.6)	75 (44.4)	1.05 (0.90-1.23)	0.514
Northern	114 (65.5)	60 (34.5)	1.24 (1.09-1.42)	0.002
Western	109 (69.4)	48 (30.6)	1.31 (1.15-1.50)	<0.001

<b>Residence</b>				
Rural	322 (59.1)	223 (40.9)	1	
Urban	287 (56.5)	221 (43.5)	0.96 (0.86-1.06)	0.397
<b>Age</b>				
18-34	284 (53.6)	246 (46.4)	1	
35-54	252 (60.1)	167 (39.9)	1.12 (1.01-1.25)	0.042
55-64	51 (69.9)	22 (30.1)	1.30 (1.10-1.55)	0.002
65+	22 (71.0)	9 (29.0)	1.32 (1.04-1.68)	0.021
<b>Gender</b>				
Female	238 (59.2)	164 (40.8)	1	
Male	371 (57.0)	280 (43.0)	0.96 (0.87-1.07)	0.477
<b>Education</b>				
No formal Education	47 (59.5)	32 (40.5)	1	
Primary	198 (57.4)	147 (42.6)	0.96 (0.79-1.18)	0.729
Secondary	220 (57.0)	166 (43.0)	0.96 (0.78-1.17)	0.677
Tertiary	144 (59.3)	99 (40.7)	1.00 (0.81-1.23)	0.971
<b>Occupation</b>				
Casual Labourer	30 (53.6)	26 (46.4)	1	
Farmer	156 (60.0)	104 (40.0)	1.12(0.86-1.46)	0.399
Formally Employed	109 (63.7)	62 (36.3)	1.19 (0.91-1.56)	0.205
House Wife	27 (45.8)	32 (54.2)	0.85 (0.59-1.24)	0.404
Self Employed	203 (55.2)	165 (44.8)	1.03 (0.79-1.34)	0.826
Unemployed	45 (68.2)	21 (21.8)	1.27 (0.95-1.71)	0.108
Student	22 (47.8)	24(52.2)	0.89 (0.61-1.32)	0.567
Others	17 (63.0)	10 (37.0)	1.18 (0.80-1.72)	0.403
<b>COVID-19 Knowledge Level</b>				
Low	37 (53.6)	32 (46.4)	1	
High	572 (58.1)	412 (41.9)	1.08 (0.86-1.36)	0.484
<b>Perception of COVID-19 prevention measure</b>				
Poor perception	53 (49.1)	55 (50.9)	1	
Good perception	556 (58.8)	389 (41.2)	1.20 (0.98-1.46)	0.075
<b>Ever had experience with COVID-19</b>				
No	450 (56.7)	344 (43.3)	1	
Yes	159 (61.4)	100 (38.6)	1.08 (0.97-1.21)	0.170
<b>Ever diagnosed with chronic disease</b>				
No	453 (56.3)	351 (43.7)	1	
Yes	156 (62.7)	93 (37.3)	1.11 (0.99-1.25)	0.067
<b>Worry about the likelihood of getting COVID-19</b>				
Strongly agree/Agree	514 (60.8)	332 (39.2)	1.32 (1.13-1.55)	<0.001
Strongly disagree/Disagree	95 (45.9)	112 (54.1)	1	

<b>Future chances before the vaccine are high</b>				
Strongly agree/Agree	474 (60.4)	311 (39.6)	1.20 (1.05-1.37)	0.007
Strongly Disagree/Disagree	135 (50.4)	133 (49.6)	1	
<b>Will be very sick if I get COVID-19</b>				
Strongly agree/Agree	489 (61.1)	311 (38.9)	1.29 (1.12-1.48)	<0.001
Strongly disagree/Disagree	120 (47.4)	133 (52.6)	1	
<b>If I suffer from COVID-19, I cannot be infected again and will not need to take preventive precaution</b>				
Strongly agree/Agree	154 (57.0)	116 (43.0)	0.98 (0.87-1.11)	0.760
Strongly disagree/Disagree	455 (58.1)	328 (41.9)	1	
<b>Concerned about the side effects of the COVID-19</b>				
Strongly disagree/Disagree	310 (66.1)	159 (33.9)	1	
Strongly agree/Agree	299 (51.2)	285 (48.8)	0.77 (0.70 – 0.86)	< 0.001
<b>Concerned about the efficacy of the COVID-19 vaccines</b>				
Strongly disagree/Disagree	231 (58.5)	164 (41.5)	1	
Strongly agree/Agree	378 (57.5)	280 (42.5)	0.98 (0.88 – 1.09)	0.742