

Table 3 Distribution of scores for concern about vaccination according to selected personal and disease characteristics at King Abdulaziz Medical City, Saudi Arabia, 2021

Characteristic	Concern domain				
	Mistrust of vaccine benefit	Worries about the effects	Commercial profiteering	Preference for natural immunity	Overall concern
	Mean score % (standard deviation)				
Sex					
Male	91.9 (14.7)	59.2 (10.0)	43.6 (16.7)	79.5 (20.5)	68.6 (7.0)
Female	88.1 (16.0)	61.8 (10.9)	44.4 (17.6)	83.8 (21.3)	69.5 (8.0)
t-value, P-value	2.19, 0.029*	2.23, 0.026*	0.39, 0.69	1.81, 0.07	1.12, 0.26
Age (years)					
18-44	90.8 (15.0)	59.5 (10.6)	42.2 (14.8)	79.7 (21.1)	68.0 (7.2)
45+	89.2 (16.2)	61.9 (10.1)	47.3 (20.6)	84.6 (20.3)	70.8 (7.7)
t-value, P-value	0.90, 0.37	2.01, 0.045*	2.31, 0.022*	1.99, 0.047*	3.12, 0.002*
Marital status					
Single	90.5 (15.2)	59.2 (10.5)	41.0 (14.2)	80.4 (20.3)	67.8 (7.9)
Married	90.2 (15.5)	60.8 (10.4)	45.2 (18.1)	81.7 (21.2)	69.5 (7.3)
t-value, P-value	0.16, 0.87	1.21, 0.23	2.22, 0.027*	0.52, 0.60	1.86, 0.06
Education					
< Secondary	89.5 (16.1)	62.9 (9.7)	45.9 (19.4)	82.5 (20.8)	70.2 (7.9)
≥ Secondary	90.5 (15.2)	59.5 (10.6)	43.4 (16.4)	81.0 (20.9)	68.6 (7.3)
t-value, P-value	0.48, 0.63	2.41, 0.017*	1.08, 0.28	0.52, 0.60	1.58, 0.12
Health care worker					
Yes	80.9 (20.4)	59.8 (11.3)	47.3 (21.7)	88.0 (17.9)	69.0 (9.0)
No	91.6 (14.1)	60.4 (10.4)	43.5 (16.3)	80.4 (21.1)	68.9 (7.3)
t-value, P-value	3.17, 0.003*	0.30, 0.77	1.06, 0.29	2.44, 0.018*	0.05, 0.96
Living status					
Alone	95.7 (10.3)	57.7 (10.4)	37.5 (8.8)	86.6 (17.6)	69.3 (5.7)
With others	89.0 (16.1)	60.9 (10.4)	45.5 (8.2)	80.1 (21.5)	68.9 (7.9)
t-value, P-value	4.07, < 0.001*	2.18, 0.03*	5.03, < 0.001*	2.50, 0.014*	0.56, 0.57
Chronic diseases					
Yes	88.9 (15.0)	62.3 (11.1)	47.8 (19.2)	81.7 (19.8)	69.9 (7.2)
No	91.3 (15.6)	59.6 (10.0)	41.3 (14.9)	81.1 (21.6)	68.3 (7.6)
t-value, P-value	1.35, 0.18	1.47, 0.14	3.25, 0.001*	0.25, 0.80	1.91, 0.06
COVID-19 severity					
Mild/moderate	90.3 (15.4)	60.1 (10.5)	43.7 (16.9)	81.1 (21.0)	68.8 (7.5)
Severe	88.9 (14.7)	65.4 (8.7)	51.9 (22.2)	88.9 (13.6)	73.8 (4.2)
t-value, P-value	0.28, 0.78	1.50, 0.14	1.41, 0.16	1.66, 0.10	1.96, 0.05*
Past COVID-19 vaccination					
Yes	92.7 (13.9)	59.0 (9.8)	41.4 (14.7)	80.6 (22.1)	68.4 (7.5)
No	83.0 (17.3)	64.1 (11.5)	51.6 (21.3)	83.7 (16.5)	70.6 (7.1)
t-value, P-value	4.52, < 0.001*	3.54, 0.001*	3.97, < 0.001*	1.34, 0.18	2.27, 0.024*

*Statistically significant.