

**Table 2 Logistic regression analysis of personal and occupational characteristics, anxiety, depression, stress and insomnia among healthcare workers in Arab countries during COVID-19 pandemic (n = 2879)**

Variable	N (%)	Anxiety (48.9%, 95% CI 46.9–50.7%)		Depression (50.6%, 95% CI 48.7–52.3%)		Stress (41.4%, 95% CI 39.6–43.2%)		Insomnia (72.1%, 95% CI 70.5–73.7%)	
		OR	95% CI	OR	95% CI	OR	95% CI	OR	95% CI
<b>Gender</b>									
Male	1098 (38.1)	0.49	0.41–0.59*	0.77	0.65–0.92*	0.79	0.66–0.95*	1.07	0.87–1.31
Female	1781(61.9)	ref		ref		ref		ref	
<b>Age, yr</b>									
20–29	471 (16.4)	1.20	0.75–1.93	1.99	1.23–3.20*	1.32	0.81–2.15	2.33	1.40–3.89*
30–39	1492 (51.8)	2.21	1.52–3.22*	2.40	1.64–3.50*	1.9	1.29–2.90*	2.57	1.74–3.79*
40–49	625 (21.7)	1.35	0.98–1.87	1.36	0.99–1.88	1.29	0.92–1.81	1.50	1.08–2.07*
≥ 50	291(10.1)	ref		ref		ref		ref	
<b>Marital status</b>									
Single	878 (30.5)	1.34	0.93–1.39	1.21	0.99–1.49	1.12	0.91–1.38	1.35	1.07–1.71*
Married	2001 (69.5)	ref		ref		ref		ref	
<b>Living with family</b>									
Yes	2097 (73.1)	1.09	0.89–1.33	1.11	0.90–1.37	1.44	1.16–1.79*	0.97	0.77–1.22
No	773 (26.9)	ref							
<b>Profession</b>									
Physicians	820 (28.5)	1.30	1.05–1.60*	2.21	1.70–2.62*	2.38	1.92–2.95*	1.74	1.36–2.25*
Others*	751 (26.1)	1.06	0.86–1.31	1.64	1.33–2.02*	1.77	1.43–2.20*	1.46	1.06–1.84*
Nurses	1308 (45.1)	ref		ref		ref		ref	
<b>Working hours/week</b>									
≥ 45	1310 (45.5)	1.42	1.05–1.92*	1.67	1.24–2.26*	1.4	1.03–1.92*	1.46	1.05–2.03*
21–44	1302 (45.2)	1.39	1.04–1.87*	1.51	1.11–2.05*	1.30	0.96–1.76	1.69	1.22–2.34*
≤20	267(9.3)	ref		ref		ref		ref	
<b>Working experience, yr</b>									
1–5	513 (17.8)	1.37	0.94–2.01	0.85	0.58–1.26	1.22	0.82–1.81	0.91	0.59–1.40
6–10	792 (27.5)	0.89	0.65–1.21	0.69	0.51–0.95*	0.92	0.67–1.27	0.93	0.66–1.32
11–15	713 (24.8)	0.96	0.72–1.27	0.80	0.60–1.07	0.89	0.66–1.20	1.05	0.77–1.43
> 15	861 (29.9)	ref		ref		ref		ref	
<b>Type of hospital</b>									
Secondary	1413 (49.1)	0.87	0.73–1.02	1.02	0.86–1.21	1.11	0.93–1.32	1.08	0.89–1.30
Tertiary	1465 (50.9)	ref		ref		ref		ref	
<b>COVID-19 hospitals</b>									
Yes	1896 (65.9)	0.99	0.82–1.19	0.92	0.76–1.11	0.92	0.76–1.11	0.72	0.58–0.89*
No	983( 34.1)	ref		ref		ref		ref	
<b>Contact COVID-19</b>									
Yes	909(31.6)	1.40	1.16–1.70*	1.09	0.90–1.33	1.29	1.10–1.57*	1.15	0.92–1.43
No	1970(68.4)	ref		ref		ref		ref	
<b>Relative/friend with COVID-19</b>									
Yes	925 (32.6)	1.36	1.14–1.62*	1.21	1.01–1.44*	1.01	0.85–1.22	1.13	0.92–1.39
No	1912 (67.4)	ref							
<b>Satisfied with hospital preventive measures</b>									
Satisfied	1134 (39.4)	ref		ref					
Neutral	864 (30.1)	1.58	1.30–1.93*	1.66	1.37–2.02*	1.47	1.20–1.80*	1.53	1.24–1.89*
Not satisfied	872 (30.4)	2.03	1.64–2.49*	2.69	2.18–3.32*	2.71	2.19–3.35*	2.37	1.85–3.04*
<b>How likely you may get COVID-19</b>									
Very unlikely	253 (8.9)	ref							
Unlikely	822 (29.0)	1.22	0.88–1.67	1.13	0.82–1.56	1.30	0.91–1.86	1.97	1.45–2.67*
likely	1310 (45.5)	2.03	1.49–2.76*	2.15	1.57–2.95*	2.20	1.56–3.11*	3.91	2.87–5.31*
Very likely	449 (15.6)	3.25	2.26–4.67*	3.84	2.65–5.56*	3.95	2.68–5.84*	4.75	3.20–7.05*
<b>Feeling stigmatized</b>									
Yes	1083 (37.7)	1.76	1.49–2.07*	2.07	1.75–2.46*	1.87	1.57–2.21*	2.28	1.86–2.79*
No	1787 (62.3)	ref							

Cut-off scores for anxiety (&gt; 7), depression (&gt; 9), stress (&gt; 14), and insomnia (&gt; 7).

\*Statistical significant results.