Table 1: Description and parameters of the covariates

Sociodemographic variables		Mean (SD)	n (%)
Age		30.99 (6.17)	
Sex			
	Male		260 (12.9%)
	Female		1752 (87.1%)
Marital status			
	Married		1230 (61.1%)
	Other marital status		784 (38.9%)
Had one or more children			
	Yes		1100 (54.6%)
	No		914 (45.4%)
Education			
	Diploma or lower		441 (21.9%)
	Bachelor's degree or higher		1573 (78.1%)
Prodessional title			
	Junior		1495 (74.2%)
	Intermediate and senior		519 (25.8%)
Monthly household income (USD/month)			
	≤ 1440		1109 (55.1%)
	>1440		905 (44.9%)
Clinical experience (month)		107.76 (78.09)	
Working duration as frontline nurse during the COVID-19 outbreak (days)		20.72 (12.94)	
Average working hours/ shift		6.57 (1.90)	
Wuhan as origin working place			
	Yes		1324 (65.7%)
	No		690 (34.3%)
Original position			
	Bedside nurse		1818 (90.3%)
	Head nurse or nurse director (including vice-director)		196 (9.7%)
Position in Wuhan			
	Bedside nurse		1894 (94.0%)
	Head nurse or nurse director (including vice-director)		120 (6.0%)
Working wards changed			
	Yes		747 (37.1%)
	No		1267 (62.9%)
Prior traning about caring patients with infectious disease			
	Yes		1654 (82.1%)
	No		360 (17.9%)
Prior experience about caring patients with infectious disease			
	Yes		785 (39.0%)
	No		1229 (61.0%)
Willingness to participate in frontline during COVID-19 outbreak			
	Yes		1950 (96.8%)
	No		64 (3.2%)

Table 2: Linear Regression Model

Predictors	anxiety			depression			fear		
	Estimates	CI (95%)	P-Value	Estimates	CI (95%)	P-Value	Estimates	CI (95%)	P-Value
Intercept	51.93	45.14 − 58.73	**<0.001**	51.77	44.92 − 58.61	**<0.001**	32.82	28.30 − 37.33	**<0.001**
Age (year)	0.11	-0.10 − 0.32	0.294	0.22	0.00 − 0.43	**0.046**	-0.16	-0.30 − -0.01	**0.03**
Sex	1.62	0.15 − 3.09	0.031	2.06	0.57 − 3.54	**0.007**	2.64	1.66 − 3.62	**<0.001**
Marital Status	-1.36	-3.06 − 0.33	0.114	-1.43	-3.14 − 0.27	0.099	1.09	-0.03 − 2.21	0.057
Child Rearing	2.39	0.67 − 4.12	**0.007**	2.44	0.70 − 4.18	**0.006**	-0.13	-1.27 − 1.02	0.828
Education	0.48	-0.76 − 1.71	0.45	0.08	-1.16 − 1.33	0.894	0.88	0.06 − 1.70	**0.034**
Prodessional Title	0.45	-1.01 − 1.92	0.545	1.08	-0.40 − 2.56	0.151	0.02	-0.95 − 1.00	0.962
Monthly Household Income	-1.72	-2.75 − -0.69	**0.001**	-2.41	-3.45 − -1.37	**<0.001**	0.2	-0.49 − 0.88	0.573
Clinical Experience	-0.01	-0.03 − 0.01	0.195	-0.01	-0.03 − 0.01	0.179	0.01	-0.00 − 0.02	0.18
Frontline Working Duration	0.04	0.00 − 0.08	**0.035**	0.04	-0.00 − 0.07	0.064	0.02	-0.01 − 0.04	0.235
Average Working Hours Shift	0	-0.27 − 0.26	0.982	-0.07	-0.34 − 0.20	0.593	-0.34	-0.51 − -0.16	**<0.001**
Wuhan as Origin	3.44	2.34 − 4.53	**<0.001**	3.44	2.34 − 4.54	**<0.001**	3.34	2.61 − 4.07	**<0.001**
Original Position	-2.02	-4.50 − 0.46	0.11	-1.68	-4.18 − 0.82	0.187	-2.32	-3.96 − -0.67	**0.006**
Position in Wuhan	3.09	0.12 − 6.06	**0.041**	3.16	0.17 − 6.16	**0.038**	-0.5	-2.47 − 1.48	0.621
Working Wards Changed	1.25	0.21 − 2.29	**0.018**	1.55	0.51 − 2.60	**0.004**	-0.06	-0.75 − 0.62	0.856
Prior Traning	-2.23	-3.53 − -0.92	**0.001**	-2.43	-3.74 − -1.11	**<0.001**	-0.64	-1.50 − 0.23	0.15
Prior Experience	0.1	-0.95 − 1.15	0.848	0.18	-0.88 − 1.24	0.74	-1.21	-1.91 − -0.52	**0.001**
Willingness to Participate in Frontline	-10.83	-13.53 − -8.13	**<0.001**	-10.41	-13.14 − -7.69	**<0.001**	-2.07	-3.86 − -0.28	**0.024**
Observations			2014			2014			2014
R^2 / R^2 adjusted	0.085 / 0.077			0.090 / 0.082			0.124 / 0.117		

Table 3: Log Transformation Model

Predictors	anxiety			depression			fear		
	Estimates	CI (95%)	P-Value	Estimates	CI (95%)	P-Value	Estimates	CI (95%)	P-Value
Intercept	3.92	3.78 − 4.06	**<0.001**	3.92	3.78 − 4.06	**<0.001**	3.47	3.28 − 3.65	**<0.001**
Age (year)	0	-0.00 − 0.01	0.259	0	-0.00 − 0.01	0.051	-0.01	-0.01 − -0.00	**0.044**
Sex	0.04	0.01 − 0.07	**0.018**	0.05	0.02 − 0.08	**0.002**	0.12	0.08 − 0.16	**<0.001**
Marital Status	-0.03	-0.06 − 0.01	0.103	-0.03	-0.06 − 0.01	0.109	0.05	0.00 − 0.09	**0.049**
Child Rearing	0.05	0.02 − 0.09	**0.004**	0.05	0.01 − 0.09	**0.008**	-0.01	-0.06 − 0.04	0.648
Education	0.01	-0.02 − 0.03	0.514	0.01	-0.02 − 0.03	0.693	0.04	0.00 − 0.07	**0.026**
Prodessional Title	0.01	-0.02 − 0.04	0.486	0.02	-0.01 − 0.05	0.172	-0.01	-0.05 − 0.03	0.7
Monthly Household Income	-0.03	-0.05 − -0.01	**0.002**	-0.05	-0.07 − -0.03	**<0.001**	0.01	-0.02 − 0.03	0.725
Clinical Experience	0	-0.00 − 0.00	0.152	0	-0.00 − 0.00	0.186	0	-0.00 − 0.00	0.317
Frontline Working Duration	0	0.00 − 0.00	**0.044**	0	-0.00 − 0.00	0.127	0	-0.00 − 0.00	0.285
Average Working Hours Shift	0	-0.01 − 0.00	0.857	0	-0.01 − 0.00	0.529	-0.01	-0.02 − -0.01	**0.001**
Wuhan as Origin	0.07	0.05 − 0.09	**<0.001**	0.07	0.05 − 0.09	**<0.001**	0.12	0.09 − 0.15	**<0.001**
Original Position	-0.04	-0.09 − 0.01	0.096	-0.04	-0.09 − 0.01	0.119	-0.09	-0.15 − -0.02	**0.012**
Position in Wuhan	0.06	-0.00 − 0.12	0.07	0.06	0.00 − 0.13	**0.043**	-0.02	-0.10 − 0.06	0.571
Working Wards Changed	0.03	0.01 − 0.05	**0.012**	0.03	0.01 − 0.05	**0.004**	0	-0.03 − 0.03	0.924
Prior Traning	-0.04	-0.07 − -0.02	**0.002**	-0.05	-0.08 − -0.02	**<0.001**	-0.02	-0.05 − 0.02	0.329
Prior Experience	0	-0.02 − 0.03	0.74	0	-0.02 − 0.03	0.719	-0.05	-0.08 − -0.03	**<0.001**
Willingness to Participate in Frontline	-0.2	-0.26 − -0.15	**<0.001**	-0.2	-0.25 − -0.14	**<0.001**	-0.05	-0.13 − 0.02	0.162
Observations			2014			2014			2014
R^2 / R^2 adjusted	0.081 / 0.073			0.083 / 0.075			0.110 / 0.102		

2

Table 4: Ordinal Logistic Regression Model

Predictors	anxiety			depression			fear		
	Odds Ratios	CI (95%)	P-Value	Odds Ratios	CI (95%)	P-Value	Odds Ratios	CI (95%)	P-Value
mild anxiety|moderate anxiety	0.52	$0.50-0.54$	0.317						
moderate anxiety|no anxiety	0.87	$0.67-1.14$	0.834						
no anxiety|severe anxiety	43.01	$31.64-58.47$	**<0.001**						
Age (year)	1	$0.96-1.04$	0.961	1	$0.97-1.04$	0.825	0.96	$0.92-1.00$	**0.048**
Sex	0.94	$0.72-1.23$	0.666	1.06	$0.81-1.39$	0.659	1.79	$1.36-2.34$	**<0.001**
Marital Status	1.01	$0.74-1.37$	0.951	1.09	$0.80-1.50$	0.574	1.37	$0.98-1.92$	0.066
Child Rearing	0.94	$0.69-1.29$	0.72	0.64	$0.46-0.88$	**0.006**	1	$0.71-1.41$	0.996
Education	1.16	$0.92-1.45$	0.2	0.97	$0.77-1.22$	0.806	1.33	$1.05-1.68$	**0.017**
Prodessional Title	1.25	$0.95-1.63$	0.105	1.03	$0.78-1.34$	0.846	1.12	$0.84-1.49$	0.441
Monthly Household Income	1.12	$0.93-1.36$	0.234	1.3	$1.08-1.58$	**0.007**	0.97	$0.79-1.19$	0.773
Clinical Experience	1	$1.00-1.00$	0.832	1	$1.00-1.00$	0.81	1	$1.00-1.01$	0.169
Frontline Working Duration	1	$0.99-1.00$	0.509	1.01	$1.00-1.01$	0.1	1.01	$1.00-1.01$	0.232
Average Working Hours Shift	1.02	$0.97-1.07$	0.381	0.98	$0.93-1.03$	0.445	0.9	$0.86-0.95$	**<0.001**
Wuhan as Origin	0.65	$0.53-0.80$	**<0.001**	0.6	$0.48-0.73$	0.001	2.33	$1.89-2.86$	**<0.001**
Original Position	1.13	$0.71-1.81$	0.62	1.23	$0.76-2.01$	0.404	0.64	$0.41-0.99$	**0.045**
Position in Wuhan	1.08	$0.62-1.89$	0.792	0.64	$0.36-1.12$	0.121	0.9	$0.53-1.53$	0.689
Working Wards Changed	0.81	$0.67-0.97$	**0.026**	0.77	$0.64-0.93$	**0.008**	1.04	$0.85-1.27$	0.722
Prior Traning	1.04	$0.82-1.32$	0.76	1.31	$1.03-1.66$	**0.028**	0.91	$0.70-1.18$	0.488
Prior Experience	0.93	$0.77-1.13$	0.457	0.95	$0.78-1.15$	0.593	0.76	$0.62-0.94$	**0.009**
Willingness to Participate in Frontline	1.15	$0.69-1.89$	0.581	1.71	$1.08-2.71$	**0.023**	0.61	$0.32-1.10$	0.117
mild depression | moderate depression				0.71	$0.68-0.74$	0.584			
moderate depression | no depression				1.09	$0.83-1.43$	0.889			
no depression | severe depression				140.18	$102.34-192.00$	**<0.001**			
mild fear | moderate fear							0.05	$0.05-0.05$	**<0.001**
moderate fear | severe fear							0.35	$0.26-0.45$	0.123
Observations			2014			2014			2014
R^2 Nagelkerke			0.017			0.043			0.115