

**Supplementary Table 8.** Predictors for level of sleep disturbance verified with multivariate linear regression with 5,000 bootstrapping samples among first-line healthcare workers in the third wave

Predictors	$\beta$	95% CI	p
Depression	1.10	0.53–1.67	0.001*
PTSD	0.48	0.17–0.78	0.002*
Social anxiety	-0.12	-0.23–-0.002	0.039*
Social information	0.06	-0.17–0.28	0.569
Well-being	-0.001	-0.04–0.02	0.559
PCS	-0.09	-0.13–-0.04	<0.001*
MCS	-0.09	-0.13–-0.05	<0.001*
Vaccine mistrust	-0.04	-0.13–0.06	0.437
Sex			
Male	Ref	-	-
Female	0.34	-0.24–0.9	0.250 <sup>a</sup>
Regular diets			
No	Ref	-	-
Yes	0.14	-0.51–0.77	0.673 <sup>a</sup>
Psychological trauma			
No	Ref	-	-
Yes	0.16	-0.51–0.83	0.636 <sup>a</sup>
Drinking			
No	Ref	-	-
Yes	0.65	-0.22–1.56	0.165 <sup>a</sup>

<sup>a</sup>excluded from bootstrapping methods; \*statistic significant ( $p < 0.05$ ). CI, confidence interval; PTSD, posttraumatic stress disorder; PCS, physical component summary of Short Form-12 Items Health Survey; MCS, mental component summary of Short Form-12 Items Health Survey