

Supplementary

Table S1 Analysis of missing data, including the percentages of respondents who responded only in 2021 to those responding in both 2021 and 2022. Data for 2021.

	Only responded in 2021 (%)	Responded in both 2021 and 2022 (%)
Total Share (%)	12.9	17.9
Women	54.0	56.1
Men	46.0	43.9
Working with Covid-19 patients		
all the time	48.9	55.3
part of the time	23.0	22.3
at no time	28.1	22.4
Adverse life events	20.5	18.2
No adverse life events	79.5	81.1
Working hours		
less than 36 hours	47.4	53.2
36-45 hours	23.0	17.2
More than 45 hours	29.6	29.6
Healthcare facility		
Primary care	38.5	41.6
Hospital care	49.2	53.2
Other	12.3	5.2
Hierarchical position		
Physicians in training	29.4	30.8
Specialists	39.7	40.1
Consultants	30.8	29.1
Burnout in 2021	5.8	4.7
Depression in 2021	4.5	3.7
ACMCSA	11.8	9.3

Table S2. Logistic regression analyses testing the association between baseline severe burnout, exhaustion, mental distance, emotional impairment, cognitive impairment and major depression and any all-cause medically certified sickness absence exceeding 14 days the following year.

	Univariate			Model A			Model B		
	OR	95%CI	p-value	OR	95%CI	p-value	OR	95%CI	p-value
N				1465			1477		
Severe burnout	2.13	1.74-5.63	<0.001	2.57	1.27-5.23	0.009			
Exhaustion	2.48	1.62-3.79	<0.001				1.80	1.03-3.15	0.040
Mental distance	0.92	0.33-2.61	0.382				0.40	0.12-1.35	0.141
Emotional impairment	3.72	1.88-7.36	<0.001				2.13	0.89-5.08	0.090
Cognitive impairment	4.69	2.54-8.67	<0.001				2.52	1.12-5.50	0.025
Major depression	2.45	1.24-4.84	0.010	1.62	0.70-3.73	0.262	1.13	0.47-2.73	0.790
<i>Working with COVID-19</i>									
all the time	0.60	0.40-0.91	0.017	0.59	0.37-0.95	0.029	0.61	0.38-0.99	0.047
part of the time	1.06	0.67-1.69	0.793	0.97	0.59-1.62	0.918	0.99	0.59-1.66	0.971
No	1			1			1		
<i>Work hours</i>									
less than 35 h	1.14	0.72-1.79	0.580	0.84	0.50-1.42	0.512	0.88	0.52-1.49	0.632
35-45 h	1			1			1		
More than 45 h	0.95	0.64-1.42	0.818	1.02	0.66-1.57	0.923	1.00	0.65-1.56	0.986
<i>Healthcare facility</i>									
Primary care	1.15	0.51-2.60	0.743	2.00	0.74-5.42	0.175	1.80	0.66-4.92	0.251
Hospital care	1.03	0.46-2.31	0.952	1.56	0.59-4.14	0.374	1.46	0.55-3.90	0.451
Other	1			1			1		
<i>Hierarchical position</i>									
Physicians in training	1.01	0.66-1.55	0.966	1.63	0.84-3.19	0.117	1.80	0.66-4.92	0.088
Specialists	0.81	0.53-1.23	0.322	0.84	0.47-1.48	0.551	0.85	0.48-1.51	0.572
Consultants	1			1			1		
Adverse life events (ref no)	1.72	1.16-2.53	0.006	1.73	1.13-2.63	0.029	1.60	1.04-2.44	0.031
Women (ref men)	2.31	1.58-3.38	<0.001	2.34	1.55-3.53	<0.001	2.14	1.41-3.25	<0.001
Age	1.01	0.99-1.03	0.086	1.03	1.01-1.06	0.005	1.03	1.01-1.06	0.004
Nagelkerke R				0.084			0.099		

Log LL		838.746	835.092
--------	--	---------	---------

Table S3. The association between severe burnout and major depression, respectively, and all-cause medically certified sickness absence adjusted for working with COVID-19 patients, difficult life events, work hours, healthcare facility, hierarchical position, sex and age

Exposure	OR	CI	p-value	Nagelkerk R <sup>2</sup>
Severe burnout	3.12	1.70-5.74	<0.001	0.076
Major Depression	2.46	1.21-4.98	0.012	0.075

Table S4. The association between exhaustion, mental distance, emotional impairment, and cognitive impairment, respectively, and all-cause medically certified sickness absence adjusted for depression, working with COVID-19 patients, difficult life events, work hours, healthcare facility, hierarchical position, sex and age

Exposure	OR	CI	p-value	Nagelkerk R <sup>2</sup>
Exhaustion	2.07	1.26-3.41	0.004	0.086
Mental distance	0.84	0.27-2.57	0.754	0.075
Emotional impairment	3.01	1.38-6.59	0.006	0.085
Cognitive impairment	3.62	1.79-7.31	<0.001	0.092