Questionnaire

Healthcare professionals' experiences with COVID-19 patients in intensive care units in Norway

De	emographics				
1.	Wł	nat is your age?			
2.	Ge	nder			
		Female			
		Male			
3.	Wł	nat is your marital status?			
		Married / partner			
		Unmarried			
		Widow / widower			
		Other			
4.	Wł	nat is your pre-Covid profession?			
		Registered nurse			
		Intensive care nurse			
		Anaesthetic nurse			
		Operating theatre nurse			
		Clinical teacher			
		Paediatric nurse			
		Anaesthesiologist			
		Intensive care physician			
		Cardiologist			
		MD, Permanent resident			

	☐ MD Physician under specialization (LIS)
	☐ MD Physician, external supervisory tasks
	□ Psychiatrist
	□ Manager/leader
5.	If you are a doctor, how many years have you practiced medicine since earning your
	degree? If you are a nurse, how many years have you practiced nursing since you trained
	as a nurse?
6.	Have you had any previous experience working in an intensive care unit?
	□ Yes
	□ No
7.	Have you previously had symptoms of anxiety?
	□ Yes
	□ No
8.	Have you previously had symptoms of depression?
	□ Yes
	□ No
9.	Do you currently have any of the following risk factors for becoming infected with the
	coronavirus?
	Heart disease, including high blood pressure; lung disease; older than 65 years of age;
	immune disease / immune depressants; diabetes; obesity (BMI> 30)
	□ Yes
	□ No
10	. Have you considered quitting your job because of the pandemic?
	□ No
	□ Yes, sometimes

		Yes, often
		Yes, specifically planning to quit / have already resigned
11.	. Ha	ve you been vaccinated?
		Yes, once
		Yes, twice
		No
12.	. Ha	ve you been infected with COVID-19?
		Yes
		No
CO	VID.	-ICU related factors
13.	Dic	you experience being well-prepared to begin your work in a COVID-ICU?
		Not at all
		To a small degree
		Partly
		To a high degree
		To a very high degree
14.	. Ha	ve you participated in practice / simulation with treatment teams in a situation that
	ma	y be like working with COVID-ICU patients?
		Yes, once
		Yes, several times
		No, never
15.	. Ha	ve you been afraid of being infected with COVID-19 at work?
		Yes
		No

16. H	lave you felt lonely?					
	□ Not at all					
	☐ To a small degree					
	□ Partly					
	□ To a high degree					
	☐ To a very high degree					
Do/d	lid your employer have any	kind of supp	oort measure	s during the	COVID ICU v	vork?
17. N	No special support measure	es		Yes		No
Did y	ou find other measures at	work suppor	tive?			
18. [Daily debrief			Yes		No
19. ٦	alk to leader			Yes		No
20. 1	alk to colleague			Yes		No
21. F	Professional information			Yes		No
PCL	-5					
	w is a list of issues that may	y be reactior	ns to highly st	ressful even	ts such as th	ne COVID-19
•	se indicate whether any exp	nariancas ral	atad to the C	:OVID 10 na	ndamic hava	haan
	ssful for you by answering e					
	es during the last month?	den question	i. Have you e	хрепенеси	uny of the jo	mownig
		Not at all	A little bit	Moderately	Quite a bit	Extremely
22.	Repeated, disturbing, and unwanted memories of the stressful experiences of the pandemic?					

23.	Repeated, disturbing dreams of the stressful experience of the pandemic?			
24.	Suddenly feeling or acting as if the stressful experience were actually happening again (as if you were actually back there reliving it)?			
25.	Feeling very upset when something reminded you of the stressful experience of the pandemic?			
26.	Having strong physical reactions when something reminded you of the stressful experience of the pandemic?			
27.	Avoiding memories, thoughts, or feelings related to the stressful experience of the pandemic?			
28.	Avoiding external reminders of the stressful experience of the pandemic (for example, people, places, conversations, activities, objects, or situations)?			
29.	Trouble remembering important parts of the stressful experience of the pandemic?			
30.	Having strong negative beliefs about yourself, other people, or the world (for example,			

	having thoughts such as: I am bad, there is something seriously wrong with me, no one can be trusted, the world is completely dangerous)?			
31.	Blaming yourself or someone else for the pandemic?			
32.	Having strong negative feelings such as fear, horror, anger, guilt, or shame?			
33.	Loss of interest in activities that you used to enjoy.			
34.	Feeling distant or cut off from other people?			
35.	Trouble experiencing positive feelings (for example, being unable to feel happiness or have loving feelings for people close to you)?			
36.	Irritable behaviour, angry outbursts, or acting aggressively?			
37.	Taking too many risks or doing things that could cause you harm?			
38.	Being "super alert" or watchful or on guard?			
39.	Feeling jumpy or easily startled?			
40.	Having difficulty concentrating?			

41.	Trouble falling or staying asleep?					
HSC	L-10					
lav	e you experienced any o	of these during	the last weel	k (including today)		
		Not bothered	A little	Quite a bit	Very much	
42.	Suddenly scared for no					
	reason					
43.	Feeling fearful					
44.	Faintness, dizziness or					
	weakness					
45.	Feeling tense or keyed up					
46.	Blaming yourself for					
	things					
47.	Difficulties in falling					
	asleep or staying asleep					
48.	Feeling blue					
49.	Feelings of worthlessness					
50.	Feeling everything is a					
	effort					
51.	Feeling hopeless about					
	the future					

Flowchart of the study participants

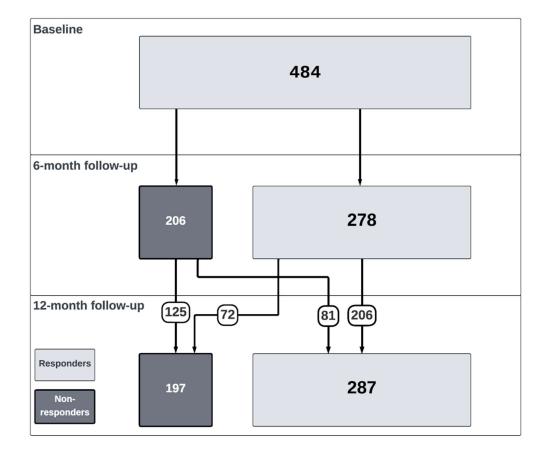


Table 1 Symptoms of anxiety and depression by HSCL-10 at baseline, 6-month and 12-month follow-up, N=206.

	Baseline		6-month		12-month		
	Median (IQR, min- max)	n ≥ 1.85 (%)	Median (IQR, min- max)	n ≥ 1.85 (%)	Median (IQR, min- max)	n ≥ 1.85 (%)	
Total population	1.25 (0.5, 1.0-3.6)	23 (11.2)	1.10 (0.5, 1.0-3.9)	19 (9.2)	1.20 (0.5, 1.0-3.9)	26 (12.6)	
Nurses (n=164)	1.30 (0.58, 1.0-3.6)	19 (11.2)	1.20 (0.5, 1.0-3.9)	17 (10.4)	1.30 (0.6, 1.0-3.9)	24 (14.6)	
Physicians (n=21)	1.30 (0.45, 1.0-2.4)	2 (9.5)	1.10 (0.4, 1.0-2.3)	1 (4.8)	1.00 (0.4, 1.0-2.3)	1 (4.8)	
Leaders (n=21)	1.20 (0.55, 1.0-2.2)	2 (9.5)	1.00 (0.6, 1.0, 2.3)	1 (4.8)	1.1 (0.45, 1.0-2.1)	1 (4.8)	
Difference between professions ^a	0.798		0.365		0.032*		

Notes: HSCL-10 scale 1.0-4.0, cut off ≥1.85. a Kruskal-Wallis test *p≤0.05

Wilcoxon signed rank test

Baseline to 6-month 0.025*

6-month to 12-month 0.022*

Baseline to 12-month 0.926

Table 2 Symptoms of PTSD by PCL-5 at baseline, 6-month and 12-month follow-up, N=206.

	Baseline		6-month		12-month		
	Median (IQR, min- max)	n ≥31 (%)	Median (IQR, min- max)	n ≥31 (%)	Median (IQR, min- max)	n ≥31 (%)	
Total population	7 (14, 0-64)	14 (6.8)	5.5 (14, 0-68)	11 (5.3)	6.5 (15, 0-71)	11 (5.3)	
Nurses (n=164)	7 (13, 0-64)	12 (7.3)	6.5 (14, 0-68)	10 (6.1)	10 (15,0-71)	11 (6.7)	
Physicians (n=21)	4 (6, 0-27)	0	2 (7, 0-15)	0	4 (7, 0-22)	0	
Leaders (n=21)	6 (15, 0-35)	2 (9.5)	4 (16, 0-40)	1 (4.8)	3 (9, 0-23)	0	
Difference between professions ^a	0.038*		0.097		0.002*		

Notes: PCL-5 scale 0 -80, cut off: 31. a Kruskal-Wallis test *p≤0.05

Wilcoxon signed rank test

Baseline to 6-month 0.503

6-month to 12-month 0.004*

Baseline to 12-month 0.108

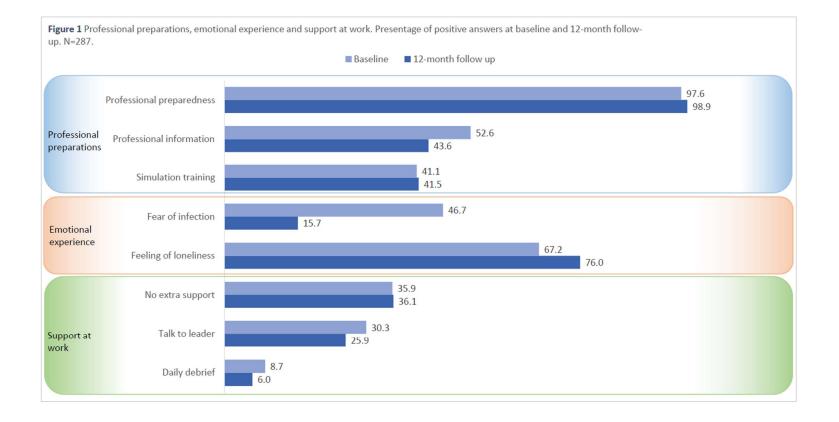


Table 1 Demographic variables and preparations, emotional experience and support at baseline and their effect on HSCL-10 at 12 month follow up. Multiple regression analysis. 20 imputed datasets of n=484							
Demographic var	iables	Coefficient	95% CI	P-value			
Gender		Female	Ref				
Geriaer		Male	-0.06	-0.2, 0.08	0.398		
Marital status		Single	Ref				
Warren Status	M	arried/partner	-0.04	-0.2, 0.09	0.569		
Years of professio	nal experience		-0.003	-0.01, 0.01	0.351		
Profession		Nurse	Ref				
FIGUESSIOII		Physician	-0.07	-0.3, 0.1	0.509		
		Leader	0.02	-0.2, 0.2	0.839		
Previous ICU expe	rience	No	Ref				
r revious ico expe	Hence	Yes	0.1	-0.1, 0.3	0.343		
Salf-reported prev	vious symptoms of anxiety	No	Ref				
sen-reported previous symptoms or anxiety		Yes	0.1	-0.2, 0.3	0.477		
Self-reported prev	Self-reported previous symptoms of depression		Ref				
Sell reported pre-			0.2	0.001, 0.4	0.047		
Risk factors for se	rious COVID-infection	No	Ref				
Misk factors for sc		Yes	-0.02	-0.2, 0.2	0.811		
	Professional	No	Ref				
	preparedness	Yes	0.002	-0.4, 0.4	0.990		
Professional	Professional information	No No	Ref				
preparations	c. costonal illiciniatio	Yes	0.06	-0.09, 0.2	0.433		
	Simulation training	No	Ref				
		Yes	0.007	-0.1, 0.1	0.915		
	Fear of infection	No	Ref				
Emotional		Yes	0.14	0.02, 0.3	0.023		
experience	Feeling of loneliness	No	Ref				
		Yes	0.09	-0.05, 0.2	0.226		
	No extra support	No	Ref				
		Yes	-0.03	-0.2, 0.1	0.621		
Support at work	Talk to leader	No	Ref				
		Yes	-0.05	-0.2, 0.1	0.517		
	Daily debrief	No	Ref	0.2.04	0.455		
	,	Yes	-0.08	-0.3, 0.1	0.455		

Table 2 Demographic variables and preparations, emotional experience and support at baseline and their effect on PCL-5 at 12 month follow up. Multiple regression analysis. 20 imputed datasets n=484

Demographic variab	les		Coefficient	95% CI	P-value
Gender	Fem		Ref		
	Ma		-0.3	-3.9, 3.4	0.891
Marital status	Married/ Sing	•	Ref 0.5	2 4 4 2	0.800
	31118	gie	0.5	-5.4, 4.5	0.809
Years of professiona	l experience		-0.04	-0.2, 0.1	0.640
Profession	Nur	se	Ref		
Profession	Physi	cian	-4.2	-9.3, 0.8	0.099
	Lead	der	-2.0	-6.6, 2.5	0.377
Draviava ICII avraaria		No	Ref		
Previous ICU experie	ince	Yes	4.2	-1.7, 10.1	0.159
Calf namental name		No	Ref		
Seit-reported previo	us symptoms of anxiety	Yes	0.7	-4.2 5.7	0.782
Calf namental name		No	Ref		
Seif-reported previo	us symptoms of depression	Yes	5.6	1.0, 10.2	0.017
Risk factors for serio	COVID infection	No	Ref		
RISK factors for serio	us COVID-Infection	Yes	0.6	-3.8, 4.9	0.801
	Drafessianal property deces	No	Ref		
	Professional preparedness	Yes	-4.2	-16.3, 8.0	0.491
Professional		No	Ref		
preparations	Professional information	Yes	0.5		0.787
		No	Ref		
	Simulation training	Yes	1.4	-1.5, 4.3	0.330
	Face of infantion	No	Ref		
Emotional	Fear of infection	Yes	4.3	0.8, 7.8	0.017
experience	- I. C. I.	No	Ref	-9.3, 0.8	
-	Feeling of Ioneliness	Yes	4.7	1.1, 8.3	0.782 0.017 0.801 0.491 0.787 0.330 0.017 0.011 0.815 0.611
	No color comment	No	Ref	·	
No extra support		Yes	-0.4	-3.8, 3.0	0.815
	T 11 . 1 . 1	No	Ref		
Support at work	Talk to leader	Yes	-0.9	-4.6, 2.7	0.611
	5 11 11 16	No	Ref		
	Daily debrief	Yes	-2.7	-7.5, 2.2	0.289