

General	Exposure	Outcome	Results																																																			
# First Author, Year, Country	<i>Describe how exposure was measured</i> Form of stigmatization:	<i>Describe how outcome was measured</i>	Prevalence: Association with stigmatization:																																																			
7288 Chatterjee 2020, India	One question: Have you been ostracized? Form of stigmatization: <u>Self-stigma (perceived): social exclusion</u> “ostracized by friends, neighbor, and the society for working in the hospital for being exposed and spreading others“	Depression, Anxiety, and Stress Scale (DASS-21): depression, anxiety, stress (4-point Likert scale, 0 = “didn’t apply to me at all”, 3 = “much or mostly applied to me”) in the past 1 week	Prevalence: Tab.: Prevalence of depression, anxiety and stress <table border="1"> <thead> <tr> <th></th> <th>Yes n (%)</th> <th>No n (%)</th> </tr> </thead> <tbody> <tr> <td>Depression</td> <td>53 (34.9)</td> <td>99 (65.1)</td> </tr> <tr> <td>Anxiety</td> <td>60 (39.5)</td> <td>92 (60.5)</td> </tr> <tr> <td>Stress</td> <td>50 (32.9)</td> <td>102 (67.1)</td> </tr> </tbody> </table> Association with stigmatization: Tab1-3: Association between mental state and stigma experience <table border="1"> <thead> <tr> <th colspan="2"></th> <th colspan="2">Have you been ostracized?</th> <th>X^{2/t}</th> <th>p</th> </tr> <tr> <th colspan="2"></th> <th>Yes n (%)</th> <th>No n (%)</th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td rowspan="2">Depression</td> <td>Yes</td> <td>20 (37.7)</td> <td>33 (62.3)</td> <td rowspan="2">16.6</td> <td rowspan="2">0.002</td> </tr> <tr> <td>No</td> <td>12 (12.1)</td> <td>87 (87.9)</td> </tr> <tr> <td rowspan="2">Anxiety</td> <td>Yes</td> <td>23 (38.3)</td> <td>37 (61.7)</td> <td rowspan="2">25.6</td> <td rowspan="2">0.001</td> </tr> <tr> <td>No</td> <td>9 (9.8)</td> <td>83 (90.2)</td> </tr> <tr> <td rowspan="2">Stress</td> <td>Yes</td> <td>21 (42.0)</td> <td>29 (58.0)</td> <td rowspan="2">23.2</td> <td rowspan="2">0.001</td> </tr> <tr> <td>No</td> <td>11 (10.8)</td> <td>91 (89.2)</td> </tr> </tbody> </table>		Yes n (%)	No n (%)	Depression	53 (34.9)	99 (65.1)	Anxiety	60 (39.5)	92 (60.5)	Stress	50 (32.9)	102 (67.1)			Have you been ostracized?		X ^{2/t}	p			Yes n (%)	No n (%)			Depression	Yes	20 (37.7)	33 (62.3)	16.6	0.002	No	12 (12.1)	87 (87.9)	Anxiety	Yes	23 (38.3)	37 (61.7)	25.6	0.001	No	9 (9.8)	83 (90.2)	Stress	Yes	21 (42.0)	29 (58.0)	23.2	0.001	No	11 (10.8)	91 (89.2)
	Yes n (%)	No n (%)																																																				
Depression	53 (34.9)	99 (65.1)																																																				
Anxiety	60 (39.5)	92 (60.5)																																																				
Stress	50 (32.9)	102 (67.1)																																																				
		Have you been ostracized?		X ^{2/t}	p																																																	
		Yes n (%)	No n (%)																																																			
Depression	Yes	20 (37.7)	33 (62.3)	16.6	0.002																																																	
	No	12 (12.1)	87 (87.9)																																																			
Anxiety	Yes	23 (38.3)	37 (61.7)	25.6	0.001																																																	
	No	9 (9.8)	83 (90.2)																																																			
Stress	Yes	21 (42.0)	29 (58.0)	23.2	0.001																																																	
	No	11 (10.8)	91 (89.2)																																																			
2030 Chew , 2020, Singapore	Healthcare Workers Stigma Scale (HWSS), 12 items, 4-point Likert scale (1 =strongly disagree, 4= strongly agree) 4 subscales: 1. Self-stigma (<i>Personalized stigma</i>) 2. Disclosure concerns 3. Concerns about public attitudes 4. Negative self-image Form of stigmatization:	Perceived Stress: Perceived Stress Scale (PSS), 10 items, 5-point Likert scale (0=never, 4=very often) Traumatic Stress: Impact of Event Scale-Revised (IES-R); 22 items, 5-point Likert scale (0=never, 4=very often)	Prevalence: Tab. Prevalence of PSS and IES-R at baseline and follow-up <table border="1"> <thead> <tr> <th></th> <th>Baseline (mean SD)</th> <th>Follow-up (mean SD)</th> <th>t-test (t)</th> </tr> </thead> <tbody> <tr> <td>PSS</td> <td>28.1 (6.63)</td> <td>27.0 (5.87)</td> <td>2.084</td> </tr> <tr> <td>IES-R total score</td> <td>15.0 (14.6)</td> <td>14.5 (14.4)</td> <td>0.404</td> </tr> <tr> <td>IES-R Intrusion subscale</td> <td>0.72 (0.74)</td> <td>0.67 (0.66)</td> <td>0.765</td> </tr> <tr> <td>IES-R Avoidance subscale</td> <td>0.70 (0.70)</td> <td>0.70 (0.70)</td> <td>-0.133</td> </tr> <tr> <td>IES-R Hyperarousal subscale</td> <td>0.61 (0.70)</td> <td>0.57 (0.73)</td> <td>0.539</td> </tr> </tbody> </table> Association with stigmatization: Tab. Risk factors for mental health outcomes amongst residents in training from national healthcare group residencies at the 2nd time point (linear regression)		Baseline (mean SD)	Follow-up (mean SD)	t-test (t)	PSS	28.1 (6.63)	27.0 (5.87)	2.084	IES-R total score	15.0 (14.6)	14.5 (14.4)	0.404	IES-R Intrusion subscale	0.72 (0.74)	0.67 (0.66)	0.765	IES-R Avoidance subscale	0.70 (0.70)	0.70 (0.70)	-0.133	IES-R Hyperarousal subscale	0.61 (0.70)	0.57 (0.73)	0.539																											
	Baseline (mean SD)	Follow-up (mean SD)	t-test (t)																																																			
PSS	28.1 (6.63)	27.0 (5.87)	2.084																																																			
IES-R total score	15.0 (14.6)	14.5 (14.4)	0.404																																																			
IES-R Intrusion subscale	0.72 (0.74)	0.67 (0.66)	0.765																																																			
IES-R Avoidance subscale	0.70 (0.70)	0.70 (0.70)	-0.133																																																			
IES-R Hyperarousal subscale	0.61 (0.70)	0.57 (0.73)	0.539																																																			

General	Exposure	Outcome	Results																																															
	<p><u>Self-stigma (internalized):</u> negative self-image (feeling inferior to others due to occupation)</p> <p><u>Self-stigma (anticipated):</u> own perceived consequences, fear of rejection, disclosure concerns (control the information or keeping occupation a secret), concerns about public attitudes (what most people think of HCWs)</p>		<table border="1"> <thead> <tr> <th data-bbox="1104 220 1473 244">Variable</th> <th data-bbox="1473 220 1608 244">B</th> <th data-bbox="1608 220 1765 244">β</th> <th colspan="2" data-bbox="1765 220 2002 244">95% CI</th> </tr> </thead> <tbody> <tr> <td data-bbox="1104 244 1473 276">PSS</td> <td data-bbox="1473 244 1608 276">0.134</td> <td data-bbox="1608 244 1765 276">0.157</td> <td colspan="2" data-bbox="1765 244 2002 276">0.024–0.244</td> </tr> <tr> <td data-bbox="1104 276 1473 308">IES-R, PTS symptoms</td> <td data-bbox="1473 276 1608 308">0.477</td> <td data-bbox="1608 276 1765 308">0.228</td> <td colspan="2" data-bbox="1765 276 2002 308">0.241–0.714</td> </tr> </tbody> </table>				Variable	B	β	95% CI		PSS	0.134	0.157	0.024–0.244		IES-R, PTS symptoms	0.477	0.228	0.241–0.714																														
Variable	B	β	95% CI																																															
PSS	0.134	0.157	0.024–0.244																																															
IES-R, PTS symptoms	0.477	0.228	0.241–0.714																																															
<p>883 Do Duy, 2020, Vietnam</p>	<p>Stigma scale: self-developed instrument: 12 questions (4-point Likert scale), sum up score 0-36</p> <p>Items from group discussion with HCW and investigators, adaption of Berger's HIV Stigma Scale for terms and phrases (validity checked with COSMIN)</p> <p>Form of stigmatization: <u>Self-stigma (anticipated):</u> Feel unsafe to be a health worker, Feel blamed by relatives or friends, Try to hide being quarantined, Try to avoid going out</p> <p><u>Self-stigma (internalized):</u> Feel guilty because of being isolated, Feel ashamed of being isolated</p> <p><u>Self-stigma (perceived):</u> discrimination People talk</p>	<p>DASS-21: depression, anxiety, stress (4-point Likert scale, 0 = never, 3 = almost always)</p> <p>Depression (≥ 4): mild: 5-6; moderate: 7-10; severe: 11-13; extremely severe: ≥ 14</p> <p>Anxiety (≥ 3): mild: 4-5; moderate: 6-7; severe: 8-9; extremely severe: ≥ 10</p> <p>Stress (≥ 4): mild: 8-9; moderate: 10-12; severe: 13-16; extremely severe: ≥ 17</p>	<p>Prevalence:</p> <p>Table: S1: Descriptive statistics</p> <table border="1"> <thead> <tr> <th data-bbox="1104 691 1485 746">DASS-21</th> <th data-bbox="1485 691 1776 746">Male (n= 11) Median (IQR)</th> <th data-bbox="1776 691 2069 746">Female (n= 60) Median (IQR)</th> </tr> </thead> <tbody> <tr> <td data-bbox="1104 746 1485 778">Depression</td> <td data-bbox="1485 746 1776 778">2 (0-3)</td> <td data-bbox="1776 746 2069 778">1 (0-3)</td> </tr> <tr> <td data-bbox="1104 778 1485 810">Anxiety</td> <td data-bbox="1485 778 1776 810">1 (0-2)</td> <td data-bbox="1776 778 2069 810">1 (0-2)</td> </tr> <tr> <td data-bbox="1104 810 1485 842">Stress</td> <td data-bbox="1485 810 1776 842">3 (1-5)</td> <td data-bbox="1776 810 2069 842">2 (1-5)</td> </tr> </tbody> </table> <p>No significant difference between males and females</p> <p>Figure S1: Prevalence of depression, anxiety and stress (in %)</p> <table border="1"> <thead> <tr> <th data-bbox="1104 914 1294 946">DASS-21</th> <th data-bbox="1294 914 1440 946">no</th> <th data-bbox="1440 914 1585 946">mild</th> <th data-bbox="1585 914 1753 946">moderate</th> <th data-bbox="1753 914 1899 946">severe</th> <th data-bbox="1899 914 2069 946">Extremely severe</th> </tr> </thead> <tbody> <tr> <td data-bbox="1104 978 1294 1010">Depression</td> <td data-bbox="1294 978 1440 1010">86.9</td> <td data-bbox="1440 978 1585 1010">8.2</td> <td data-bbox="1585 978 1753 1010">3.2</td> <td data-bbox="1753 978 1899 1010">1.6</td> <td data-bbox="1899 978 2069 1010">0</td> </tr> <tr> <td data-bbox="1104 1010 1294 1042">Anxiety</td> <td data-bbox="1294 1010 1440 1042">85.3</td> <td data-bbox="1440 1010 1585 1042">8.2</td> <td data-bbox="1585 1010 1753 1042">3.7</td> <td data-bbox="1753 1010 1899 1042">1.6</td> <td data-bbox="1899 1010 2069 1042">1.2</td> </tr> <tr> <td data-bbox="1104 1042 1294 1074">Stress</td> <td data-bbox="1294 1042 1440 1074">95.1</td> <td data-bbox="1440 1042 1585 1074">1.6</td> <td data-bbox="1585 1042 1753 1074">1.6</td> <td data-bbox="1753 1042 1899 1074">1.6</td> <td data-bbox="1899 1042 2069 1074">0</td> </tr> </tbody> </table> <p>Association with stigmatization: Correlation between stigmatization and DASS-21 depression, anxiety and stress</p> <p>Table 1: Spearman rank correlation r-value (95% CI)</p> <table border="1"> <thead> <tr> <th data-bbox="1104 1233 1350 1265">DAS-21</th> <th data-bbox="1350 1233 1585 1313">Self-stigma Negative self-image</th> <th data-bbox="1585 1233 1832 1313">Public stigma Disclosure & personalized stigma</th> <th data-bbox="1832 1233 2069 1313">Public stigma Concerns about public attitudes</th> </tr> </thead> <tbody> <tr> <td data-bbox="1104 1313 1350 1375">Depression</td> <td data-bbox="1350 1313 1585 1375">0.35 (0.10-0.55)</td> <td data-bbox="1585 1313 1832 1375">0.32 (0.08-0.53)</td> <td data-bbox="1832 1313 2069 1375">0.33 (0.09-0.54)</td> </tr> </tbody> </table>				DASS-21	Male (n= 11) Median (IQR)	Female (n= 60) Median (IQR)	Depression	2 (0-3)	1 (0-3)	Anxiety	1 (0-2)	1 (0-2)	Stress	3 (1-5)	2 (1-5)	DASS-21	no	mild	moderate	severe	Extremely severe	Depression	86.9	8.2	3.2	1.6	0	Anxiety	85.3	8.2	3.7	1.6	1.2	Stress	95.1	1.6	1.6	1.6	0	DAS-21	Self-stigma Negative self-image	Public stigma Disclosure & personalized stigma	Public stigma Concerns about public attitudes	Depression	0.35 (0.10-0.55)	0.32 (0.08-0.53)	0.33 (0.09-0.54)
DASS-21	Male (n= 11) Median (IQR)	Female (n= 60) Median (IQR)																																																
Depression	2 (0-3)	1 (0-3)																																																
Anxiety	1 (0-2)	1 (0-2)																																																
Stress	3 (1-5)	2 (1-5)																																																
DASS-21	no	mild	moderate	severe	Extremely severe																																													
Depression	86.9	8.2	3.2	1.6	0																																													
Anxiety	85.3	8.2	3.7	1.6	1.2																																													
Stress	95.1	1.6	1.6	1.6	0																																													
DAS-21	Self-stigma Negative self-image	Public stigma Disclosure & personalized stigma	Public stigma Concerns about public attitudes																																															
Depression	0.35 (0.10-0.55)	0.32 (0.08-0.53)	0.33 (0.09-0.54)																																															

General	Exposure	Outcome	Results																																																						
	behind back, People avoid touching and direct contact, People feel uncomfortable when around, Experienced discrimination actions		<table border="1"> <tr> <td>Anxiety</td> <td>0.45 (0.23-0.63)</td> <td>0.36 (0.12-0.56)</td> <td>0.39 (0.15-0.58)</td> </tr> <tr> <td>Stress</td> <td>0.32 (0.07-0.53)</td> <td>0.16 (-0.01-0.40)</td> <td>0.24 (-0.01-46)</td> </tr> </table>	Anxiety	0.45 (0.23-0.63)	0.36 (0.12-0.56)	0.39 (0.15-0.58)	Stress	0.32 (0.07-0.53)	0.16 (-0.01-0.40)	0.24 (-0.01-46)																																														
Anxiety	0.45 (0.23-0.63)	0.36 (0.12-0.56)	0.39 (0.15-0.58)																																																						
Stress	0.32 (0.07-0.53)	0.16 (-0.01-0.40)	0.24 (-0.01-46)																																																						
859 Elhadi 2020, Libya	<p>Stigmatization: single item "feeling stigmatized" (yes/no)</p> <p>Form of stigmatization: <u>Self-stigma (perceived)</u></p>	<p>Depressive symptoms: Hospital Anxiety and Depression Scale (HADS, borderline abnormal: score 8-10, abnormal: score 11-21)</p> <p>Anxiety symptoms: Hospital Anxiety and Depression Scale (HADS, borderline abnormal: score 8-10, abnormal: score 11-21)</p>	<p>Prevalence:</p> <p>Table 2: Anxiety and depressive symptom levels grades among participants (in %)</p> <table border="1"> <thead> <tr> <th>Outcome</th> <th></th> <th>n</th> <th>%</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Depressive symptoms</td> <td>Borderline abnormal</td> <td>236</td> <td>31.7</td> </tr> <tr> <td>Abnormal</td> <td>420</td> <td>56.4</td> </tr> <tr> <td rowspan="2">Anxiety symptoms</td> <td>Borderline abnormal</td> <td>237</td> <td>31.8</td> </tr> <tr> <td>Abnormal</td> <td>348</td> <td>46.7</td> </tr> </tbody> </table> <p>Association with stigmatization:</p> <p>Table 3: Prevalence of depressive symptoms and association with feeling stigmatized</p> <table border="1"> <thead> <tr> <th>Variable</th> <th>No depressive symptoms n (%)</th> <th>Depressive symptoms n (%)</th> <th>χ^2 (Pearson's chi-square)</th> <th>p-value</th> </tr> </thead> <tbody> <tr> <td>Feeling stigmatized</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Yes</td> <td>77 (23.7)</td> <td>154 (36.7)</td> <td rowspan="2">14.41</td> <td rowspan="2">< 0.001</td> </tr> <tr> <td>No</td> <td>248 (76.3)</td> <td>266 (63.3)</td> </tr> </tbody> </table> <p>Table 4: Prevalence of anxiety symptoms and association with feeling stigmatized</p> <table border="1"> <thead> <tr> <th>Variable</th> <th>No depressive symptoms n (%)</th> <th>Depressive symptoms n (%)</th> <th>χ^2 (Pearson's chi-square)</th> <th>p-value</th> </tr> </thead> <tbody> <tr> <td>Feeling stigmatized</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Yes</td> <td>95 (23.9)</td> <td>136 (39.1)</td> <td rowspan="2">19.89</td> <td rowspan="2">< 0.001</td> </tr> <tr> <td>No</td> <td>302 (76.1)</td> <td>212 (60.9)</td> </tr> </tbody> </table>	Outcome		n	%	Depressive symptoms	Borderline abnormal	236	31.7	Abnormal	420	56.4	Anxiety symptoms	Borderline abnormal	237	31.8	Abnormal	348	46.7	Variable	No depressive symptoms n (%)	Depressive symptoms n (%)	χ^2 (Pearson's chi-square)	p-value	Feeling stigmatized					Yes	77 (23.7)	154 (36.7)	14.41	< 0.001	No	248 (76.3)	266 (63.3)	Variable	No depressive symptoms n (%)	Depressive symptoms n (%)	χ^2 (Pearson's chi-square)	p-value	Feeling stigmatized					Yes	95 (23.9)	136 (39.1)	19.89	< 0.001	No	302 (76.1)	212 (60.9)
Outcome		n	%																																																						
Depressive symptoms	Borderline abnormal	236	31.7																																																						
	Abnormal	420	56.4																																																						
Anxiety symptoms	Borderline abnormal	237	31.8																																																						
	Abnormal	348	46.7																																																						
Variable	No depressive symptoms n (%)	Depressive symptoms n (%)	χ^2 (Pearson's chi-square)	p-value																																																					
Feeling stigmatized																																																									
Yes	77 (23.7)	154 (36.7)	14.41	< 0.001																																																					
No	248 (76.3)	266 (63.3)																																																							
Variable	No depressive symptoms n (%)	Depressive symptoms n (%)	χ^2 (Pearson's chi-square)	p-value																																																					
Feeling stigmatized																																																									
Yes	95 (23.9)	136 (39.1)	19.89	< 0.001																																																					
No	302 (76.1)	212 (60.9)																																																							
7273 Elhadi, 2020, Libya	<p>Stigmatization: single item "feeling stigmatized" (yes/no)</p> <p>Form of stigmatization: <u>Self-stigma (perceived)</u></p>	Burnout: abbreviated Maslach Burnout Inventory (aMBI) (comprising three subscales: emotional exhaustion (EE), depersonalization (DP), and personal accomplishment (PA))	<p>Prevalence:</p> <p>Text and Supplementary Material</p> <table border="1"> <thead> <tr> <th>Variable</th> <th>Total sample n (%)</th> <th>Men n (%)</th> <th>Women n (%)</th> </tr> </thead> <tbody> <tr> <td>High emotional exhaustion</td> <td>357 (67.1)</td> <td>209 (71.1)</td> <td>148 (62.2)</td> </tr> </tbody> </table>	Variable	Total sample n (%)	Men n (%)	Women n (%)	High emotional exhaustion	357 (67.1)	209 (71.1)	148 (62.2)																																														
Variable	Total sample n (%)	Men n (%)	Women n (%)																																																						
High emotional exhaustion	357 (67.1)	209 (71.1)	148 (62.2)																																																						

General	Exposure	Outcome	Results																																																
			High depersonalization	252 (47.4)	152 (51.7)	100 (42.0)																																													
			Decreased personal accomplishment	121 (22.7)	58 (19.7)	63 (26.5)																																													
7279 Greene 2020, UK	<p>Being worried about rejection or stigmatization for being an NHS worker: single Likert scale ranging from 0 (“not at all”) to 4 (“extremely”)</p> <p>Form of stigmatization: Self-stigma (perceived)</p>	<p>Distress: Having clinically significant PTSD, depression, and/or anxiety</p> <p>PTDS: PTSD subscale of the International Trauma Questionnaire (ITQ)</p> <p>Depression: Patient Health Questionnaire-9 (PHQ-9)</p> <p>Anxiety: Generalized Anxiety Disorder Scale (GAD-7)</p>	<p>Association with stigmatization: Correlation analysis (Spearman’s rank-order correlation test)</p> <ul style="list-style-type: none"> - significant positive correlation was identified between emotional exhaustion (rs (530)=0.174; p≤0.001) and feeling stigmatized - no statistically significant correlation between depersonalization and feeling stigmatized - no statistically significant correlation between personal accomplishment and feeling stigmatized <p>Prevalence: Tab: Prevalence of distress, PTSD, depression and anxiety</p> <table border="1" data-bbox="1104 667 1865 815"> <thead> <tr> <th></th> <th>n</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Distress</td> <td>572</td> <td>57.9</td> </tr> <tr> <td>PTDS</td> <td>246</td> <td>22.5</td> </tr> <tr> <td>Depression</td> <td>477</td> <td>46.9</td> </tr> <tr> <td>Anxiety</td> <td>470</td> <td>47.3</td> </tr> </tbody> </table> <p>Association with stigmatization:</p> <p>Table 3: Distress</p> <table border="1" data-bbox="1104 927 1865 1075"> <thead> <tr> <th></th> <th>Total sample OR (95% CI)</th> <th>p-value</th> </tr> </thead> <tbody> <tr> <td>Perceived stigma</td> <td></td> <td></td> </tr> <tr> <td>no</td> <td>1.0 (Reference)</td> <td></td> </tr> <tr> <td>yes</td> <td>1.25 (1.01-1.43)</td> <td>< 0.0005</td> </tr> </tbody> </table> <p>Table 3: PTDS</p> <table border="1" data-bbox="1104 1129 1865 1278"> <thead> <tr> <th></th> <th>Total sample OR (95% CI)</th> <th>p-value</th> </tr> </thead> <tbody> <tr> <td>Perceived stigma</td> <td></td> <td></td> </tr> <tr> <td>no</td> <td>1.0 (Reference)</td> <td></td> </tr> <tr> <td>yes</td> <td>1.37 (1.20-1.58)</td> <td>< 0.0005</td> </tr> </tbody> </table> <p>Table 3: Depression</p> <table border="1" data-bbox="1104 1332 1865 1385"> <thead> <tr> <th></th> <th>Total sample OR (95% CI)</th> <th>p-value</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> </tr> </tbody> </table>					n	%	Distress	572	57.9	PTDS	246	22.5	Depression	477	46.9	Anxiety	470	47.3		Total sample OR (95% CI)	p-value	Perceived stigma			no	1.0 (Reference)		yes	1.25 (1.01-1.43)	< 0.0005		Total sample OR (95% CI)	p-value	Perceived stigma			no	1.0 (Reference)		yes	1.37 (1.20-1.58)	< 0.0005		Total sample OR (95% CI)	p-value			
	n	%																																																	
Distress	572	57.9																																																	
PTDS	246	22.5																																																	
Depression	477	46.9																																																	
Anxiety	470	47.3																																																	
	Total sample OR (95% CI)	p-value																																																	
Perceived stigma																																																			
no	1.0 (Reference)																																																		
yes	1.25 (1.01-1.43)	< 0.0005																																																	
	Total sample OR (95% CI)	p-value																																																	
Perceived stigma																																																			
no	1.0 (Reference)																																																		
yes	1.37 (1.20-1.58)	< 0.0005																																																	
	Total sample OR (95% CI)	p-value																																																	

General	Exposure	Outcome	Results																										
			Perceived stigma																										
			no	1.0 (Reference)																									
			yes	1.30 (1.15-1.48)	< 0.0005																								
			Table 3: Anxiety																										
				Total sample OR (95% CI)	p-value																								
			Perceived stigma																										
			no	1.0 (Reference)																									
			yes	1.23 (1.09-1.40)	< 0.005																								
			*all adjusted for predictors: age, gender, ethnicity, annual household income, relationship, caring for children at home, work-related and COVID-19-related predictors																										
759 Juan 2020, China	Stigmatization and rejection in neighbourhood because of hospital work: 1 item question (yes, no) Form of stigmatization: Self-stigma (perceived): discrimination	Psychological reactions: Impact of Event Scale-Revised (IES-R, normal: score 0–23, mild: score 24–32, moderate: score 33–36, severe: score >37) Anxiety disorder: Generalized Anxiety Disorder 7 (GAD-7, normal: score 0–4, mild: score 5–9, moderate: score 10–14, severe: score 15–21) Depression: Patient Health Questionnaire 9 (PHQ-9, normal: score 0–4, mild: score 5–9, moderate: score 10–14, severe: score 15–21) Obsessive-compulsive symptoms: Yale-Brown Obsessive-Compulsive Scale (Y-BOCS, normal: score 0–5, mild: score 6–15, moderate: score 16–25, severe: score 26–40) Somatization symptoms: Patient Health Questionnaire 15 (PHQ-15, normal: score 0–4, mild: score 5–9, moderate: score 10–14, severe: score 15–30)	Prevalence: Figure 1 and text: Prevalence of psychological distress, obsessive-compulsive symptoms, somatization symptoms, anxiety disorder, or depression among all participants (in %) <table border="1"> <thead> <tr> <th>Outcome</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Psychological distress (obsessive-compulsive symptoms, somatization symptoms, anxiety disorder, or depression)</td> <td>43.2</td> </tr> <tr> <td>Obsessive-compulsive symptoms</td> <td>37.5</td> </tr> <tr> <td>Somatization symptoms</td> <td>33.3</td> </tr> <tr> <td>Anxiety disorder</td> <td>31.6</td> </tr> <tr> <td>Depression</td> <td>29.6</td> </tr> </tbody> </table> n not reported Association with stigmatization: Table 4: Multiple logistic regression analysis for the factor “stigmatization and rejection in neighbourhood because of hospital work?” associated with psychological distress related to the COVID-19 crisis (in AOR (95% CI)) <table border="1"> <thead> <tr> <th>Outcome</th> <th>AOR (95% CI)</th> </tr> </thead> <tbody> <tr> <td>Psychological reaction</td> <td>1.705 (0.827–3.516)</td> </tr> <tr> <td>Anxiety symptoms</td> <td>1.329 (0.652–2.709)</td> </tr> <tr> <td>Depression symptoms</td> <td>2.297 (1.138–4.637)</td> </tr> <tr> <td>Obsessive-compulsive symptoms</td> <td>1.842 (0.912–3.72)</td> </tr> <tr> <td>Somatization symptoms</td> <td>1.418(0.697–2.881)</td> </tr> </tbody> </table> *use of AOR, but not details on adjustment			Outcome	%	Psychological distress (obsessive-compulsive symptoms, somatization symptoms, anxiety disorder, or depression)	43.2	Obsessive-compulsive symptoms	37.5	Somatization symptoms	33.3	Anxiety disorder	31.6	Depression	29.6	Outcome	AOR (95% CI)	Psychological reaction	1.705 (0.827–3.516)	Anxiety symptoms	1.329 (0.652–2.709)	Depression symptoms	2.297 (1.138–4.637)	Obsessive-compulsive symptoms	1.842 (0.912–3.72)	Somatization symptoms	1.418(0.697–2.881)
Outcome	%																												
Psychological distress (obsessive-compulsive symptoms, somatization symptoms, anxiety disorder, or depression)	43.2																												
Obsessive-compulsive symptoms	37.5																												
Somatization symptoms	33.3																												
Anxiety disorder	31.6																												
Depression	29.6																												
Outcome	AOR (95% CI)																												
Psychological reaction	1.705 (0.827–3.516)																												
Anxiety symptoms	1.329 (0.652–2.709)																												
Depression symptoms	2.297 (1.138–4.637)																												
Obsessive-compulsive symptoms	1.842 (0.912–3.72)																												
Somatization symptoms	1.418(0.697–2.881)																												

General	Exposure	Outcome	Results																																																
749 Khanal 2020, Nepal	1 item: Stigma faced due to COVID-19 (yes, no, don't want to answer) Form of stigmatization: <u>Self-stigma (perceived): discrimination, aggressive behaviour/mobbing</u>	Anxiety and Depression: Hospital Anxiety and Depression Scale (HADS), 14-items, total scores: normal: 0–7, borderline abnormal: 8–10 and abnormal: 11–21 Insomnia: Insomnia Severity Index (ISI), 7 items; no clinically significant insomnia (0–7), subthreshold insomnia (8–14), moderate clinical insomnia (15–21) and severe clinical insomnia (22–28)	<p>Prevalence: Tab. Prevalence of anxiety, depression and insomnia</p> <table border="1"> <thead> <tr> <th>Mental Health Condition</th> <th>Categories</th> <th>Total n (%)</th> </tr> </thead> <tbody> <tr> <td rowspan="3">Anxiety</td> <td>Normal</td> <td>276 (58.1%)</td> </tr> <tr> <td>Borderline</td> <td>112 (23.6)</td> </tr> <tr> <td>Abnormal</td> <td>87 (18.3)</td> </tr> <tr> <td rowspan="3">Depression</td> <td>Normal</td> <td>297 (62.5)</td> </tr> <tr> <td>Borderline</td> <td>114 (24.0)</td> </tr> <tr> <td>Abnormal</td> <td>64 (13.5)</td> </tr> <tr> <td rowspan="4">Insomnia</td> <td>No clinical significant</td> <td>314 (66.1)</td> </tr> <tr> <td>Sub threshold</td> <td>127 (26.7)</td> </tr> <tr> <td>Moderate</td> <td>27 (5.7)</td> </tr> <tr> <td>Severe</td> <td>7 (1.5)</td> </tr> </tbody> </table> <p>-> Nurses have significantly higher scores (borderline, abnormal) in anxiety, depression and insomnia as compared to doctors and other health workers</p> <p>Association with Stigmatization:</p> <p>Tab.: Factors associated with anxiety, depression and insomnia (multivariate logistic regression)</p> <table border="1"> <thead> <tr> <th rowspan="2"></th> <th colspan="2">Faced Stigma</th> <th rowspan="2">Unadjusted OR (95%CI)</th> <th rowspan="2">Adjusted OR (95%)</th> </tr> <tr> <th>No n (%)</th> <th>Yes n (%)</th> </tr> </thead> <tbody> <tr> <td>Anxiety</td> <td>68 (34.2)</td> <td>131 (65.8)</td> <td>2.36 (1.62-3.44)</td> <td>2.47(1.62-3.76)</td> </tr> <tr> <td>Depression</td> <td>57 (34.8)</td> <td>116 (65.2)</td> <td>2.13 (1.45–3.12)</td> <td>2.05 (1.34–3.11)</td> </tr> <tr> <td>Insomnia</td> <td>37 (31.6)</td> <td>80 (68.4)</td> <td>2.26 (1.45–3.52)</td> <td>2.37 (1.46–3.84)</td> </tr> </tbody> </table> <p>*adjusted for gender, ethnicity, profession, education, living with elderly, family member with chronic disease, precautionary measures in the workplace, faced stigma, worked overtime, awareness about government incentive and history of medication for mental health problem</p>	Mental Health Condition	Categories	Total n (%)	Anxiety	Normal	276 (58.1%)	Borderline	112 (23.6)	Abnormal	87 (18.3)	Depression	Normal	297 (62.5)	Borderline	114 (24.0)	Abnormal	64 (13.5)	Insomnia	No clinical significant	314 (66.1)	Sub threshold	127 (26.7)	Moderate	27 (5.7)	Severe	7 (1.5)		Faced Stigma		Unadjusted OR (95%CI)	Adjusted OR (95%)	No n (%)	Yes n (%)	Anxiety	68 (34.2)	131 (65.8)	2.36 (1.62-3.44)	2.47(1.62-3.76)	Depression	57 (34.8)	116 (65.2)	2.13 (1.45–3.12)	2.05 (1.34–3.11)	Insomnia	37 (31.6)	80 (68.4)	2.26 (1.45–3.52)	2.37 (1.46–3.84)
Mental Health Condition	Categories	Total n (%)																																																	
Anxiety	Normal	276 (58.1%)																																																	
	Borderline	112 (23.6)																																																	
	Abnormal	87 (18.3)																																																	
Depression	Normal	297 (62.5)																																																	
	Borderline	114 (24.0)																																																	
	Abnormal	64 (13.5)																																																	
Insomnia	No clinical significant	314 (66.1)																																																	
	Sub threshold	127 (26.7)																																																	
	Moderate	27 (5.7)																																																	
	Severe	7 (1.5)																																																	
	Faced Stigma		Unadjusted OR (95%CI)	Adjusted OR (95%)																																															
	No n (%)	Yes n (%)																																																	
Anxiety	68 (34.2)	131 (65.8)	2.36 (1.62-3.44)	2.47(1.62-3.76)																																															
Depression	57 (34.8)	116 (65.2)	2.13 (1.45–3.12)	2.05 (1.34–3.11)																																															
Insomnia	37 (31.6)	80 (68.4)	2.26 (1.45–3.52)	2.37 (1.46–3.84)																																															
948 Monterrosa-Castro, 2020, Colombia	Social discrimination for working as a general practitioner (questions not described) Forms of stigmatization: <u>Self-Stigma (perceived): discrimination</u>	Generalized Anxiety Disorder (GAD): Generalized Anxiety Disorder Scale (GAD-7), 7 Items, total score of 0–21, ≥ 10 indicates GAD symptoms	<p>Prevalence: Tab. Prevalence of GAD</p> <table border="1"> <thead> <tr> <th>Variable</th> <th>Total (n/%)</th> <th>With symptoms of generalized anxiety disorder, n=209 (39.3%)</th> <th>Without symptoms of generalized anxiety disorder, n=322 (60.6%)</th> </tr> </thead> <tbody> <tr> <td>Social discrimination for working as a general practitioner</td> <td>207 (38.9)</td> <td>106 (50.7)</td> <td>101 (31.3))</td> </tr> </tbody> </table>	Variable	Total (n/%)	With symptoms of generalized anxiety disorder, n=209 (39.3%)	Without symptoms of generalized anxiety disorder, n=322 (60.6%)	Social discrimination for working as a general practitioner	207 (38.9)	106 (50.7)	101 (31.3))																																								
Variable	Total (n/%)	With symptoms of generalized anxiety disorder, n=209 (39.3%)	Without symptoms of generalized anxiety disorder, n=322 (60.6%)																																																
Social discrimination for working as a general practitioner	207 (38.9)	106 (50.7)	101 (31.3))																																																

General	Exposure	Outcome	Results																																																				
					(chi ²) p	<0.001																																																	
			<p>Association with stigmatization:</p> <p>Tab.: Psychosocial and demographic factors associated with symptoms of generalized anxiety disorder, not adjusted logistic regression (N=531)</p> <table border="1" data-bbox="1104 443 2069 507"> <thead> <tr> <th data-bbox="1104 443 1809 475">Variables</th> <th data-bbox="1809 443 2069 475">crude OR (95% CI)</th> </tr> </thead> <tbody> <tr> <td data-bbox="1104 475 1809 507">Social discrimination for working as a general practitioner</td> <td data-bbox="1809 475 2069 507">2.25 (1.57 to 3.22)</td> </tr> </tbody> </table>				Variables	crude OR (95% CI)	Social discrimination for working as a general practitioner	2.25 (1.57 to 3.22)																																													
Variables	crude OR (95% CI)																																																						
Social discrimination for working as a general practitioner	2.25 (1.57 to 3.22)																																																						
<p>7261 Ramaci, Italy, 2020</p>	<p>“Stigma discrimination” “Stigma fear”: no description of definition included; adapted from See et al. 2011 (answer options: 0 = strongly disagree, 1 = disagree, 2 = agree, 3 = strongly agree)</p> <p>Form of stigmatization: <u>Self-stigma (perceived): discrimination</u> <u>Self-stigma (anticipated)</u></p>	<p>Professional Quality of Life Scale (ProQOL): 3 dimensions: compassion fatigue (7 items), compassion satisfaction (8 items), risk of burnout (7 items); 5-point Likert scale</p>	<p>Prevalence: Tab: Prevalence of compassion fatigue, satisfaction and risk of burnout with regard to sex</p> <table border="1" data-bbox="1104 587 2045 738"> <thead> <tr> <th data-bbox="1104 587 1384 675">Sex</th> <th data-bbox="1384 587 1597 675">Compassion fatigue Mean (SD)</th> <th data-bbox="1597 587 1809 675">Compassion satisfaction Mean (SD)</th> <th data-bbox="1809 587 2045 675">Risk of burnout Mean (SD)</th> </tr> </thead> <tbody> <tr> <td data-bbox="1104 675 1384 707">Males</td> <td data-bbox="1384 675 1597 707">2.12 (1.3)</td> <td data-bbox="1597 675 1809 707">3.81 (1.0)</td> <td data-bbox="1809 675 2045 707">1.62 (1.0)</td> </tr> <tr> <td data-bbox="1104 707 1384 738">Females</td> <td data-bbox="1384 707 1597 738">2.52 (SD 1.2)</td> <td data-bbox="1597 707 1809 738">3.56 (0.97)</td> <td data-bbox="1809 707 2045 738">2.02 (0.99)</td> </tr> </tbody> </table> <p>Tab.: Association with stigmatization (zero-order correlation):</p> <table border="1" data-bbox="1104 794 2045 938"> <thead> <tr> <th data-bbox="1104 794 1384 882">Stigma</th> <th data-bbox="1384 794 1597 882">Compassion fatigue Mean (SD)</th> <th data-bbox="1597 794 1809 882">Compassion satisfaction Mean (SD)</th> <th data-bbox="1809 794 2045 882">Risk of burnout Mean (SD)</th> </tr> </thead> <tbody> <tr> <td data-bbox="1104 882 1384 914">Perceived stigma</td> <td data-bbox="1384 882 1597 914">0.307</td> <td data-bbox="1597 882 1809 914">-0.263</td> <td data-bbox="1809 882 2045 914">0.348</td> </tr> <tr> <td data-bbox="1104 914 1384 938">Anticipated stigma</td> <td data-bbox="1384 914 1597 938">0.341</td> <td data-bbox="1597 914 1809 938">-0.173</td> <td data-bbox="1809 914 2045 938">0.226</td> </tr> </tbody> </table> <p>Multiple regression</p> <table border="1" data-bbox="1104 994 2069 1230"> <thead> <tr> <th data-bbox="1104 994 1328 1050">Stigma</th> <th colspan="2" data-bbox="1328 994 1709 1050">Perceived stigma (<i>discrimination</i>)</th> <th colspan="2" data-bbox="1709 994 2069 1050">Anticipated stigma (<i>Stigma fear</i>)</th> </tr> <tr> <td></td> <th data-bbox="1328 1050 1518 1082">Beta</th> <th data-bbox="1518 1050 1709 1082">t</th> <th data-bbox="1709 1050 1899 1082">Beta</th> <th data-bbox="1899 1050 2069 1082">T</th> </tr> </thead> <tbody> <tr> <td data-bbox="1104 1082 1328 1137">Compassion fatigue</td> <td data-bbox="1328 1082 1518 1137">0.348</td> <td data-bbox="1518 1082 1709 1137">4.50</td> <td data-bbox="1709 1082 1899 1137">0.291</td> <td data-bbox="1899 1082 2069 1137">5.41</td> </tr> <tr> <td data-bbox="1104 1137 1328 1193">Compassion satisfaction</td> <td data-bbox="1328 1137 1518 1193">-0.231</td> <td data-bbox="1518 1137 1709 1193">-3.73</td> <td data-bbox="1709 1137 1899 1193">-0.141</td> <td data-bbox="1899 1137 2069 1193">-2.54</td> </tr> <tr> <td data-bbox="1104 1193 1328 1230">Risk of burnout</td> <td data-bbox="1328 1193 1518 1230">0.317</td> <td data-bbox="1518 1193 1709 1230">5.54</td> <td data-bbox="1709 1193 1899 1230">0.171</td> <td data-bbox="1899 1193 2069 1230">3.08</td> </tr> </tbody> </table>				Sex	Compassion fatigue Mean (SD)	Compassion satisfaction Mean (SD)	Risk of burnout Mean (SD)	Males	2.12 (1.3)	3.81 (1.0)	1.62 (1.0)	Females	2.52 (SD 1.2)	3.56 (0.97)	2.02 (0.99)	Stigma	Compassion fatigue Mean (SD)	Compassion satisfaction Mean (SD)	Risk of burnout Mean (SD)	Perceived stigma	0.307	-0.263	0.348	Anticipated stigma	0.341	-0.173	0.226	Stigma	Perceived stigma (<i>discrimination</i>)		Anticipated stigma (<i>Stigma fear</i>)			Beta	t	Beta	T	Compassion fatigue	0.348	4.50	0.291	5.41	Compassion satisfaction	-0.231	-3.73	-0.141	-2.54	Risk of burnout	0.317	5.54	0.171	3.08
Sex	Compassion fatigue Mean (SD)	Compassion satisfaction Mean (SD)	Risk of burnout Mean (SD)																																																				
Males	2.12 (1.3)	3.81 (1.0)	1.62 (1.0)																																																				
Females	2.52 (SD 1.2)	3.56 (0.97)	2.02 (0.99)																																																				
Stigma	Compassion fatigue Mean (SD)	Compassion satisfaction Mean (SD)	Risk of burnout Mean (SD)																																																				
Perceived stigma	0.307	-0.263	0.348																																																				
Anticipated stigma	0.341	-0.173	0.226																																																				
Stigma	Perceived stigma (<i>discrimination</i>)		Anticipated stigma (<i>Stigma fear</i>)																																																				
	Beta	t	Beta	T																																																			
Compassion fatigue	0.348	4.50	0.291	5.41																																																			
Compassion satisfaction	-0.231	-3.73	-0.141	-2.54																																																			
Risk of burnout	0.317	5.54	0.171	3.08																																																			
<p>832 Sharma 2020, USA</p>	<p>Stigma from community: instrument not reported</p> <p>Form of stigmatization: <u>Self-stigma (perceived)</u></p>	<p>Emotional distress/burnout (dichotomous variable): instrument not reported</p>	<p>Prevalence:</p> <p>Figure 2 and Table 2: Emotional distress/Burnout</p> <table border="1" data-bbox="1104 1313 1753 1398"> <thead> <tr> <th data-bbox="1104 1313 1429 1345">Health care professional</th> <th data-bbox="1429 1313 1753 1345">%</th> </tr> </thead> <tbody> <tr> <td data-bbox="1104 1345 1429 1377">Total sample</td> <td data-bbox="1429 1345 1753 1377">58</td> </tr> <tr> <td data-bbox="1104 1377 1429 1398">Doctor</td> <td data-bbox="1429 1377 1753 1398">49</td> </tr> </tbody> </table>				Health care professional	%	Total sample	58	Doctor	49																																											
Health care professional	%																																																						
Total sample	58																																																						
Doctor	49																																																						

General	Exposure	Outcome	Results																																											
			<table border="1"> <tr><td>Doctor in training</td><td>48</td></tr> <tr><td>Advanced practice provider</td><td>56</td></tr> <tr><td>Respiratory therapist</td><td>55</td></tr> <tr><td>Nurse</td><td>64</td></tr> </table>	Doctor in training	48	Advanced practice provider	56	Respiratory therapist	55	Nurse	64																																			
Doctor in training	48																																													
Advanced practice provider	56																																													
Respiratory therapist	55																																													
Nurse	64																																													
			n not reported																																											
			Association with stigmatization:																																											
			<p>Table 3</p> <table border="1"> <thead> <tr> <th data-bbox="1104 475 1563 507">Outcome</th> <th data-bbox="1563 475 2069 507">RR (95% CI)</th> </tr> </thead> <tbody> <tr> <td data-bbox="1104 507 1563 539">Emotional distress/burnout</td> <td data-bbox="1563 507 2069 539">1.32 (1.24–1.41)</td> </tr> </tbody> </table> <p>Adjusted for: n.r.</p>		Outcome	RR (95% CI)	Emotional distress/burnout	1.32 (1.24–1.41)																																						
Outcome	RR (95% CI)																																													
Emotional distress/burnout	1.32 (1.24–1.41)																																													
851 Taylor, 2020 Canada	<p>Attitudes from the general population towards HCW</p> <p>HCW Stigmatization Survey: self-developed, 8 items, 5-point scale (0=strongly disagree, 4=strongly agree), excellent reliability</p> <p>Forms of stigmatization: <u>Public Stigma: stereotypes, discrimination, social exclusion</u></p>	<p>Covid Stress Syndrome (CSS): 5 items 1. Fears about COVID-19 dangerousness and contamination, 2. Fears about socio-economic effects of COVID-19, 3. Fears that foreigners are spreading COVID-19, 4. COVID-related traumatic stress symptoms, 5. COVID-related compulsive checking and reassurance-seeking</p>	<p>Prevalence: not reported</p> <p>Association with stigmatization: Tab.: Correlation between CSS and HCW stigmatization survey</p> <table border="1"> <thead> <tr> <th data-bbox="1104 703 1921 735">Covid Stress Scale (CSS)</th> <th data-bbox="1921 703 2069 735">R</th> </tr> </thead> <tbody> <tr> <td data-bbox="1104 735 1921 767">Fears about COVID-19 dangerousness and contamination</td> <td data-bbox="1921 735 2069 767">0.45</td> </tr> <tr> <td data-bbox="1104 767 1921 799">Fears about socio-economic effects of COVID-19</td> <td data-bbox="1921 767 2069 799">0.41</td> </tr> <tr> <td data-bbox="1104 799 1921 831">Fears that foreigners are spreading COVID-19</td> <td data-bbox="1921 799 2069 831">0.32</td> </tr> <tr> <td data-bbox="1104 831 1921 863">COVID-related traumatic stress symptoms</td> <td data-bbox="1921 831 2069 863">0.30</td> </tr> <tr> <td data-bbox="1104 863 1921 895">COVID-related compulsive checking and reassurance-seeking</td> <td data-bbox="1921 863 2069 895">0.24</td> </tr> </tbody> </table> <p>Tab: Factor loadings for measures of stigma, avoidance, and COVID Stress Syndrome.</p> <table border="1"> <thead> <tr> <th data-bbox="1104 959 1877 991"></th> <th data-bbox="1877 959 1973 991">Factor 1</th> <th data-bbox="1973 959 2069 991">Factor 2</th> </tr> </thead> <tbody> <tr> <td data-bbox="1104 991 1877 1023">CSS: Fears about COVID-19 dangerousness and contamination</td> <td data-bbox="1877 991 1973 1023">.81</td> <td data-bbox="1973 991 2069 1023">.07</td> </tr> <tr> <td data-bbox="1104 1023 1877 1054">CSS: Fears about socio-economic effects of COVID-19</td> <td data-bbox="1877 1023 1973 1054">.80</td> <td data-bbox="1973 1023 2069 1054">-.04</td> </tr> <tr> <td data-bbox="1104 1054 1877 1086">CSS: Fears that foreigners are spreading COVID-19</td> <td data-bbox="1877 1054 1973 1086">.69</td> <td data-bbox="1973 1054 2069 1086">-.06</td> </tr> <tr> <td data-bbox="1104 1086 1877 1118">CSS: COVID-related traumatic stress symptoms</td> <td data-bbox="1877 1086 1973 1118">.68</td> <td data-bbox="1973 1086 2069 1118">.03</td> </tr> <tr> <td data-bbox="1104 1118 1877 1150">CSS: COVID-related compulsive checking and reassurance-seeking</td> <td data-bbox="1877 1118 1973 1150">.69</td> <td data-bbox="1973 1118 2069 1150">-.13</td> </tr> <tr> <td data-bbox="1104 1150 1877 1182">Avoidance of supermarkets and drug stores</td> <td data-bbox="1877 1150 1973 1182">.43</td> <td data-bbox="1973 1150 2069 1182">.13</td> </tr> <tr> <td data-bbox="1104 1182 1877 1214">Healthcare Worker Stigmatization Survey</td> <td data-bbox="1877 1182 1973 1214">.42</td> <td data-bbox="1973 1182 2069 1214">.19</td> </tr> <tr> <td data-bbox="1104 1214 1877 1246">Preference for staying home</td> <td data-bbox="1877 1214 1973 1246">-.03</td> <td data-bbox="1973 1214 2069 1246">.90</td> </tr> <tr> <td data-bbox="1104 1246 1877 1278">Preference for avoiding people</td> <td data-bbox="1877 1246 1973 1278">.08</td> <td data-bbox="1973 1246 2069 1278">.76</td> </tr> </tbody> </table> <p>*maximum likelihood factor analysis of the COVID Stress Scales, avoidance measures, and HCW Stigmatization Survey</p>		Covid Stress Scale (CSS)	R	Fears about COVID-19 dangerousness and contamination	0.45	Fears about socio-economic effects of COVID-19	0.41	Fears that foreigners are spreading COVID-19	0.32	COVID-related traumatic stress symptoms	0.30	COVID-related compulsive checking and reassurance-seeking	0.24		Factor 1	Factor 2	CSS: Fears about COVID-19 dangerousness and contamination	.81	.07	CSS: Fears about socio-economic effects of COVID-19	.80	-.04	CSS: Fears that foreigners are spreading COVID-19	.69	-.06	CSS: COVID-related traumatic stress symptoms	.68	.03	CSS: COVID-related compulsive checking and reassurance-seeking	.69	-.13	Avoidance of supermarkets and drug stores	.43	.13	Healthcare Worker Stigmatization Survey	.42	.19	Preference for staying home	-.03	.90	Preference for avoiding people	.08	.76
Covid Stress Scale (CSS)	R																																													
Fears about COVID-19 dangerousness and contamination	0.45																																													
Fears about socio-economic effects of COVID-19	0.41																																													
Fears that foreigners are spreading COVID-19	0.32																																													
COVID-related traumatic stress symptoms	0.30																																													
COVID-related compulsive checking and reassurance-seeking	0.24																																													
	Factor 1	Factor 2																																												
CSS: Fears about COVID-19 dangerousness and contamination	.81	.07																																												
CSS: Fears about socio-economic effects of COVID-19	.80	-.04																																												
CSS: Fears that foreigners are spreading COVID-19	.69	-.06																																												
CSS: COVID-related traumatic stress symptoms	.68	.03																																												
CSS: COVID-related compulsive checking and reassurance-seeking	.69	-.13																																												
Avoidance of supermarkets and drug stores	.43	.13																																												
Healthcare Worker Stigmatization Survey	.42	.19																																												
Preference for staying home	-.03	.90																																												
Preference for avoiding people	.08	.76																																												

General	Exposure	Outcome	Results																										
865 Uvais, India, 2020	<p>Perceived stigma: stigma scale with 13 items (each scored on a 5-point Likert scale, total score 0 - 52 total score ≥ 26: high levels of perceived stigma)</p> <p>Form of stigmatization: <u>Self-stigma (perceived): discrimination, social exclusion</u></p> <p>Self-stigma (anticipated)</p>	Perceived Stress Scale (PSS-10): 10 items, 5-point Likert scale, total score 0– 40	<p>Prevalence: Mean: 20.6 (SD 6.76)</p> <p>Association with stigmatization: Correlation stigma and Stress: Pearson correlation coefficient $r = 0.604$</p>																										
7220 Zandifar 2020, Iran	<p>Stigma: 22-item modified stigma-related questionnaire adopted from the HIV Stigma Scale (5-point Likert scale: strongly disagree to strongly agree)</p> <p>Form of stigmatization: <u>Self-stigma (perceived): discrimination</u></p>	PTSD: Posttraumatic Stress Disorder 8-Item Questionnaire (PTSD-8)	<p>Prevalence:</p> <p>Table 1 and Table 2: Prevalence of intrusion, avoidance, and hypervigilance (in %)</p> <table border="1"> <thead> <tr> <th></th> <th>Male</th> <th>Female</th> <th>Total sample</th> </tr> </thead> <tbody> <tr> <td>Intrusion</td> <td>37.4</td> <td>46.9</td> <td>42.2</td> </tr> <tr> <td>Avoidance</td> <td>23.5</td> <td>35.3</td> <td>31.4</td> </tr> <tr> <td>Hypervigilance</td> <td>33.1</td> <td>39.7</td> <td>37.2</td> </tr> </tbody> </table> <p>- Significant difference between males and females for intrusion and avoidance, but not for hypervigilance</p> <p>Association with stigmatization: Table 4: Correlation between PTSD and stigma (with Spearman correlation)</p> <table border="1"> <thead> <tr> <th></th> <th>PTSD total score</th> <th>Intrusion score</th> <th>Avoidance score</th> <th>Hypervigilance score</th> </tr> </thead> <tbody> <tr> <td>Stigma score</td> <td>0.836*</td> <td>0.724*</td> <td>0.693*</td> <td>0.767*</td> </tr> </tbody> </table> <p>* Statistically significant</p>		Male	Female	Total sample	Intrusion	37.4	46.9	42.2	Avoidance	23.5	35.3	31.4	Hypervigilance	33.1	39.7	37.2		PTSD total score	Intrusion score	Avoidance score	Hypervigilance score	Stigma score	0.836*	0.724*	0.693*	0.767*
	Male	Female	Total sample																										
Intrusion	37.4	46.9	42.2																										
Avoidance	23.5	35.3	31.4																										
Hypervigilance	33.1	39.7	37.2																										
	PTSD total score	Intrusion score	Avoidance score	Hypervigilance score																									
Stigma score	0.836*	0.724*	0.693*	0.767*																									
905 Zhu 2020, China	<p>Feeling that family and friends avoid contact because of work: 1 item question (answer options: agree, disagree, unsure)</p> <p>Form of stigmatization: <u>Self-stigma (perceived): social exclusion</u></p>	<p>Depression: Patient Health Questionnaire 9 (PHQ-9, major depression: score ≥ 10)</p> <p>Anxiety: Generalized Anxiety Disorder 7 (GAD-7, anxiety disorder: score ≥ 8)</p> <p>Psychological stress: Impact of Event Scale-Revised (IES-R, stress: score > 33)</p>	<p>Prevalence:</p> <p>Table 1 and Figure 2</p> <table border="1"> <thead> <tr> <th>Outcome</th> <th>n</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>No symptoms</td> <td>n.r.</td> <td>63.4</td> </tr> <tr> <td>Acute stress</td> <td>1509</td> <td>29.8</td> </tr> <tr> <td>Depression</td> <td>381</td> <td>13.5</td> </tr> <tr> <td>Anxiety</td> <td>1218</td> <td>24.1</td> </tr> </tbody> </table>	Outcome	n	%	No symptoms	n.r.	63.4	Acute stress	1509	29.8	Depression	381	13.5	Anxiety	1218	24.1											
Outcome	n	%																											
No symptoms	n.r.	63.4																											
Acute stress	1509	29.8																											
Depression	381	13.5																											
Anxiety	1218	24.1																											

General	Exposure	Outcome	Results		
			Acute stress and depression	n.r.	1.5
			Acute stress and anxiety	n.r.	7.5
			Depression and anxiety	n.r.	0.9
			Acute stress and depression and anxiety	n.r.	10.4
			n not reported		
			Association with stigmatization:		
			Table 2: Depression		
				Depression (n = 681)	No depression (n = 4,381)
			Do you feel that family members and friends have avoided contact with you because of your work?		
			Disagree	215 (31.6%)	2298 (52.5%)
			Agree	240 (35.2%)	747 (17.1%)
			Unsure	226 (33.2%)	1336 (30.5%)
			<0.001		
			Table 2: Anxiety		
				Anxiety (n = 1,218)	No anxiety (n = 3,844)
			Do you feel that family members and friends have avoided contact with you because of your work?		
			Disagree	414 (34.0%)	2099 (54.6%)
			Agree	389 (31.9%)	598 (15.6%)
			Unsure	415 (34.1%)	1147 (29.8%)
			<0.001		
			Table 2: Psychological stress		
				Psychological stress (n = 1,509)	No psychological stress (n = 3,553)
			Do you feel that family members and friends have avoided contact with you because of your work?		
			Disagree	510 (33.8%)	2003 (56.4%)
			Agree	463 (30.7%)	524 (14.8%)
			Unsure	536 (35.5%)	1026 (28.9%)
			<0.001		
			Table 3 and Supplementary Material (ST1 and ST2): Depression		
				Total sample OR (95% CI)	Men OR (95% CI)
			Women OR (95% CI)		

General	Exposure	Outcome	Results			
			Feeling that family and friends avoid contact because of work			
			Don't avoid	1.0 (Reference)	1.0 (Reference)	1.0 (Reference)
			Avoid	1.94 (1.55-2.42)	n.r.	1.99 (1.57-2.52)
			Unsure	1.21 (0.97-1.50)	n.r.	1.20 (0.95-1.51)
			Table 3 and Supplementary Material (ST1 and ST2): Anxiety			
				Total sample OR (95% CI)	Men OR (95% CI)	Women OR (95% CI)
			Feeling that family and friends avoid contact because of work			
			Don't avoid	1.0 (Reference)	1.0 (Reference)	1.0 (Reference)
			Avoid	1.83 (1.52-2.21)	n.r.	2.03 (1.42-2.90)
			Unsure	1.22 (1.03-1.45)	n.r.	1.19 (0.85-1.67)
			Table 3 and Supplementary Material (ST1 and ST2): Psychological stress			
				Total sample OR (95% CI)	Men OR (95% CI)	Women OR (95% CI)
			Feeling that family and friends avoid contact because of work			
			Don't avoid	1.0 (Reference)	1.0 (Reference)	1.0 (Reference)
			Avoid	2.01 (1.69-2.40)	n.r.	1.45 (1.23-1.71)
			Unsure	1.44 (1.23-1.69)	n.r.	0.70 (0.54-0.91)
			*all adjusted for: age, occupation, years of working, past medical history, parent status, work-related and COVID-19-related predictors			
5386 Zolnikov 2020, worldwide	Stigma Form of stigmatization: <u>Self-stigma (perceived);</u> <u>discrimination, social</u> <u>exclusion, aggressive</u> <u>behaviour/mobbing</u> Self-Stigma (internalized)	Negative feelings, stress, alcohol usage	Prevalence: n.a. Association with stigmatization: - common words to describe emotions and feelings as a result of being stigmatized, included "sadness", feeling "blue" and "extremely stress[ed]" while living in a situation that "is so demoralizing" - reactions to these feelings included alcohol use → quote: "I feel very isolated, lonely, depressed even. I found my alcohol intake increased"			

n = sample size, n.a. = not applicable, n.r. = not reported, OR = odds ratio, RR = relative risk