

Research Article

Mental Health Burden among Healthcare Workers during the COVID-19 Time in Albania

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Abstract

Healthcare staff that operated at the forefront of the fight against COVID-19 hence faced enormous physical and mental pressures. We aim to investigate the mental health situation among physicians and other medical employees in Albania. A cross sectional and descriptive survey was conducted from September 2020 to January 2021 time when COVID-19 in Albania was at its peak. X²/Fisher exact test was used; a significant association between level of mental health and survey characteristics was made. P-value<0.05, while medical employees who work in Tirana had a higher significant score than those living in other regions p<0.05. Nurses and medical doctors were significantly more likely to report depressive symptoms compared to other medical employees $\chi^2=85.2$, 95% CI, a p-value of <0.05 than radiologists, stemmatologists, and pharmacists. Furthermore, the younger age groups ≤ 40 years and >55 were more prone to report likely fair, stress, and depressive symptoms compared to other ages (p-value=0.042). This study reports a high level of fair and stress and mild to moderate burdens of depression and anxiety during the COVID-19 pandemic. Furthermore, studies with a large sample size to include all medical staff nationwide need to identify and evaluate mental health among medical staff in Albania. *ASEAN Journal of Psychiatry, Vol. 24 (1) January, 2023; 1-13.*

Keywords: Mental Health Disorders, Healthcare Workers, COVID-19 Pandemic, Radiologists, Stemmatologists

Introduction

In December 2019 a new viral outbreak of severe acute respiratory syndrome, coronavirus-2 infection, occurred in Wuhan city, which later spread throughout China and other countries [1, 2]. The current COVID-19 outbreak marks the third novel coronavirus emergence in the 21st century, after the 2003 SARS and the 2013 Middle East Respiratory Syndrome (MERS) [3]. On 11 March 2020, the World Health Organization declared COVID-19, a pandemic [4]. And since that the pandemic situation has been fluctuating, and the crisis has yet to be fully resolved. This virus has impacted not only lifestyles, the economy, and physical health but also the mental health of more people [5]. As with all communicable diseases, the COVID-19 outbreak has affected all individuals and communities in terms of their health [6]. This is

more evident in Healthcare Workers (HCWs) who have engaged in the frontline in the fight against COVID-19. Everyone is a witness to the unprecedented situation caused by this pandemic which put the entire worldwide health system in difficulty. Because of the overwhelmed system, the HCWs engaged in the treatment of patients faced an extremely high risk of COVID-19 infection, thing which was also accompanied by psychological distress and symptoms of mental health problems when coping with the COVID-19 pandemic [7]. This is because mental health is easily vulnerable o temporary and long term psychological issues caused by unusual situations such as natural disasters or pandemics on the scale of COVID-19 for all of us. Cai, et al., in their study mention, that people who did not receive public health emergency treatment

performed worse in social support, resilience, and mental health and were more likely to suffer from psychological distress and mental abnormalities such as interpersonal sensitivity and phobic anxiety [8]. In the first months of this pandemic, the frontline healthcare workers were all the time under the fear and stress of being contaminated by the disease, being quarantined as a consequence of infection, the possibility that their family and friends maybe will be infected and caring for fellow workers as a patient. On the other hand, in the context of the pandemic crisis, the lack of protective measures, feelings of stigmatization, and rejection by others in their locality were also big problems that influence mental health problems among the healthcare workers on the front line Khan et al., in their study, had archived that high levels of depression, fear, anxiety, insomnia, and distress were the mostly psychological issues confronting the HCWs [9-12]. According to many studies, health care workers, mainly those on the front line, but not only are facing different mental health problems caused by the pandemic [13-16]. HCWs, who come close in contact with these patients when providing care are often left stricken with inadequate protections from contamination, high risks of infection, stress, fear, anxiety, depression, and poor sleep quality, which, in turn, are significantly associated with physical symptoms such as headache, lethargy, fatigue, etc. [17-19]. Bashirian, et al. study, showed that healthcare workers (physicians, radiologists, technicians, nurses, etc.) had remarkable cut off levels of depression, anxiety, and distress that varied due to demographic parameters, access to personal protective equipment, and the COVID-19 status, hence, their perceived threat to COVID-19 was relatively at the estimated level whereas, the perceived desired efficiency was not [20].

In addition, many studies have been performed in determining several risk factors associated with the mental health of healthcare workers, including symptoms of stress, anxiety, and depression during the COVID-19 pandemic [21].

The results presented by Lai, et al., in one study conducted in China illustrated that 50.4% of healthcare workers suffered stress and 44.6% of those coping with anxiety during the COVID-19 pandemic [22]. While according to Kang et al. other factors in terms of the demanding nature of their work, such as long working hours, risk of infection, and shortages of protective equipment, loneliness, physical fatigue, and separation from

families were associated with the increase in adverse mental health outcomes among study subjects [23]. On the other hand, in our country, the only study that presented the level of anxiety and depression among healthcare workers was conducted by Kamberi, et al., In one study conducted in April-May, 2020 on 410 healthcare workers in Albania, mild levels of anxiety were expressed in 26.9% of participants while 7.2% of them expressed moderate levels, while 23.1% and 12.1% of participants expressed respectively mild and moderate depression levels [24].

This pandemic has rapidly changed society's functioning at many levels, suggesting that these data are not only needed swiftly but also with caution and scientific rigor [25]. For all those reasons we have undertaken this study to investigate the prevalence and associated risk factors of mental health situations among physicians and other medical employees in Albania.

Materials and Methods

Study design and study population and sampling

A cross sectional, descriptive study design was performed to investigate the mental health disorders among healthcare workers during the COVID-19 pandemic. Furthermore, the relationships between stress, depression, anxiety, burnout, and COVID-19 related stress were also assessed.

This survey recruited participants from different healthcare workers occupations. Out of 537 medical employees from public and private systems, nurses were the most predominant participants 40.8% in this study. Doctors were 25.5%, while radiologists, stomatologists, and pharmacists presented the lower number of participants with 4.8%, 7.8% and 6.3% respectively. For the other occupation, we have included support staff such as technicians, cleaners, security, and administrative that presented 14.7% of participants in this study (Figure 1).

The inclusion criterion included both males and females who were in the age range of $\geq 23 - \leq 60$ years, were part of the healthcare workers on the front line of COVID-19 disease engaged in the treatment of patients and agreed to participate in the study. The exclusion criteria were all healthcare workers that were not engaged in the treatment of COVID-19 patients who did not agree to take part in the study.

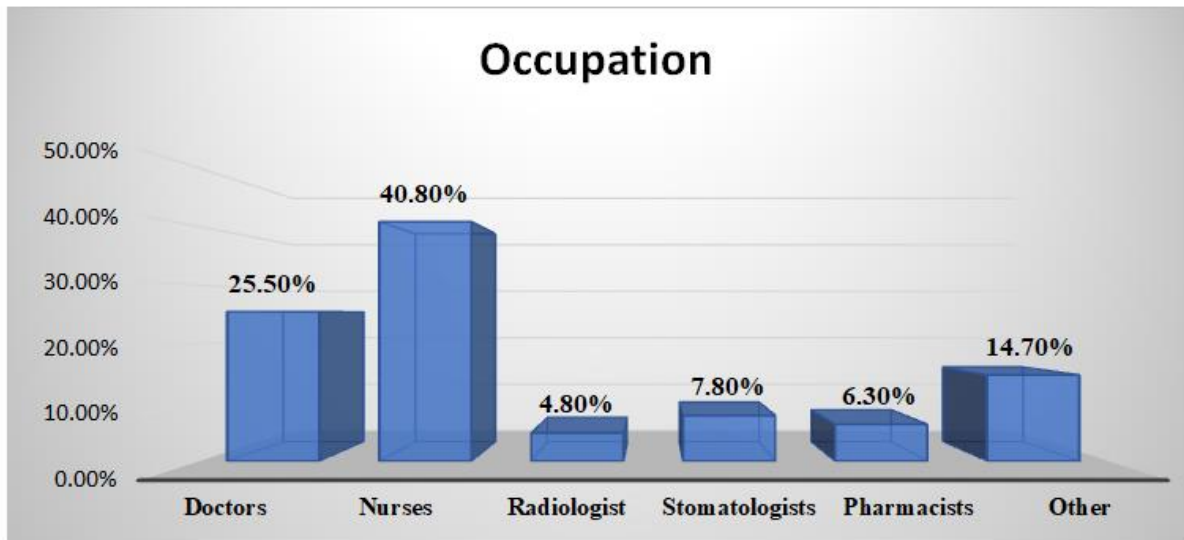


Figure 1. Distribution of participants based on their occupation.

Demographic data, working, and exposure to COVID-19 among HCWs

All healthcare staff was asked several questions about their personal information, including demographic characteristics, potential factors, and mental health problems. For the demographic characteristics data of participants in this study, we used a self-reported questionnaire which included data about gender, age, marital status, residence, living alone, working place, occupation, area of work, years of experience, the average working time during COVID-19, direct contact with COVID-19 patients, exposure to COVID-19, testing for COVID-19, quarantined, and any family member infected with COVID-19.

Measures

This survey was conducted from September 2020 to January 2021 time when the COVID-19 pandemic in Albania was at its peak. The study instruments consisted of a questionnaire comprising demographic characteristics, work details, and four tools including the Post Traumatic Stress Disorder (PTSD), the fear of COVID-19 scale, the generalized anxiety disorder 7 item scale, and the patient health questionnaire 9.

Post Traumatic Stress Disorder (PTSD) was measured by 3 questions, which we adapted from DSM-5 criteria; the presence of work related

trauma, presence of avoidance of relevant stimuli/hypervigilance, or re-experiencing symptoms, and impaired function. All criteria must be met for participants to be identified as having PTSD [26,27].

To assess the fear of Covid-19 we used the FCV-19'S questionnaire, in which we have a rating of questions with points from 0 to 4. Answers included "strongly disagree," "disagree," "neutral" "agree" and "strongly agree". The minimum score possible for each question is 1, and the maximum is 5. A total score could be calculated by adding up each item's score (ranging from 7 to 35) [28]. A higher score will be an indicator of a higher COVID-19 related fear

The General Anxiety Disorder 7 item scale (GAD-7) is one of the tools used to screen for anxiety or to measure its severity. The scores were interpreted as followed: normal (0-4); mild (5-9); moderate (10-14); and severe (15-21). The cut-point for having anxiety was five yielding sensitivity and specificity, 89% and 82% respectively to detect generalized anxiety disorder [29]. Depression was measured with Patient Health Questionnaire (PHQ-9). The scores were interpreted as follows: normal (0-6), mild (7-12), moderate (13-18), and severe (≥ 19) (30). As a PHQ-9 score ≥ 7 is 95% sensitive and 55% specific for a diagnosis of major depression, the cut point for having depression was seven. The total score is calculated by adding together the scores for the 9 questions. These scales have been used by several studies to screen mental

health or to identify the mental well-being of a targeted population [30].

Table 1 presented Cronbach’s alpha value which we used to measure the internal consistency of a set of items to see how closely they are as a group. The Cronbach’s alpha in the PTSD scores section results in internal consistency of

“acceptable” 0.712, FCV-19 scale in the internal consistency of “good” 0.832, GAD-7 scores in internal consistency of “good” 0.845 while the Cronbach’s alpha in the PHQ-9 score section results in the internal consistency of “good” 0.860 (Table 1).

Table 1. Results of Cronbach's alpha analysis.

	Cronbach's alpha	Cronbach's alpha based on standardized items	N of items
Post Traumatic Stress Disorder (PTSD)	0.712	0.767	3
Fear of Covid-19 (FCV-19 scale)	0.832	0.839	10
General Anxiety disorder 7 items scale (GAD-7)	0.845	0.853	7
Patient Health Questionnaire (PHQ-9)	0.86	0.869	9

Statistical analysis data

Quantitative data analysis was performed using SPSS version 20.0. Descriptive statistics were used to explore 'HCWs' characteristics and their mental health outcomes. The associations between the outcomes of mental health and variables were assessed by the *Chi-square* test, Fisher’s exact test, and independent sample t-tests. Binary logistic regression, followed by multiple logistic regression was used to calculate the odds ratios. Variables were included in the multivariable model if they have a p-value <0.05 in univariable analysis.

Results

Table 2 shows the demographic characteristics of healthcare workers. The average age in this study was 35.05 ± 12.13 Std, with an age range from 24 years as the minimum age to 66 years as the maximum age. The 30-39 age group represents the highest number of participants in this study

with 52.1%, and the age ≥ 60 years old presents the lowest number of participants in this study with 4.1%. There was found a significant association between the age of participants $\chi^2=11.9$, the p-value=0.004. In this study, most of the HCWs were women in 74.7%, while men were about 25.3% There was found a significant association between them $\chi^2=15.3$, the p-value=0.02.

Most of the participants lived in urban 76.9% and only 23.1% lived in rural areas. There was not found a significant association regarding the living are of participants for $\chi^2=1.94$ p-value= 0.059.

Information related to their current marital status; the predominant part of the HCWs resulted in a relationship/married in 57.7%. In this case there was found a significant correlation for $\chi^2=21.5$, p-value= 0.0003.

Table 2. Demographic characteristics of healthcare workers.

Variables	Number of participants	Percentage
Gender		
Men	136	25.30%
Women	401	74.70%
Age		
24-29 years old	59	11%
30-39 years old	280	52.10%

40-49 years old	104	19.40%
50-59 years old	72	13.40%
≥ 60 years old	22	4.10%
The place of residence		
Urban	413	76.90%
Rural	124	23.10%
Marital status		
Single never married	130	24.20%
Single, divorced or widowed	31	5.80%
In a relationship/married but living apart	46	8.50%
In a relationship/married and cohabiting	310	57.70%
I prefer not to say	20	3.70%
Do you live alone?		
Yes	98	18.20%
No	439	81.80%

Table 3 shows data about the working and exposure to COVID-19 among HCWs. Regarding the working place, most of the participants work in the public sector 75,5% (405/537) while 19% (102/537) are in the private sector. Only 5.5% (30/537) of the healthcare workers were part of public-private partnerships. A significant association was found for the workplace of health medical staff p-value of <0.05. Healthcare employees from Tirana and Durres, presented the higher number of participants 60.7%. Thus, HCWs from Tirana were 35.20% of participants, from Durres were 25.50% of participants, from Elbasan 18.10%, from Fier 9.7%, and others (including HWCs from other cities) were 11.5% of participants. There was found a significant association for cities where participants work for $\chi^2=3.51$ p-value of <0.05. Any one of the HWCs that agreed to be part of this survey was asked about their experience (years) in the medical field. Most of the HWCs 30.5% had 6-10 years of experience, in second place are HWCs with 11-

15 years of experience, and in third place are HWCs with 16-20 years of experience. HWCs with 1-5 years of experience were 12.5% of participants while HWCs with more than 21 years of experience presented a small number of participants. As a consequence of the pandemic, more than three-four of the participants were forced to work long hours in their workplaces. In this survey, 76th. 4% of HWCs had reported that worked more than 8 hours per day, while 23.6% worked ≤ 8 hours per day. Related to exposure to COVID-19, 86.6% of participants referred that were exposed to COVID-19 and 13.2% referred that were not. Furthermore, 80.8% of HWCs had been referred were in direct contact with COVID-19 patients, and 19.2% were not. More than 95.3% were tested for COVID-19 and only 4.7% were not tested. About 67.4% of participants referred that were quarantined were resulted positive for COVID or/and had almost one member of a family infected with COVID-19, while 32.6% have not (Table 3).

Table 3. Data about the working and exposure to COVID-19.

Variables	Number of participants	Percentage
Working place		
Public	405	75.50%
Private	102	19%
Both	30	5.50%
Area of work		

Tirana	189	35.20%
Durres	137	25.50%
Elbasan	97	18.10%
Fier	52	9.70%
Others	62	11.50%
How many years of experience do you have working as an HWC?		
1-5 years	67	12.50%
6-10 years	164	30.50%
11-15 years	123	22.90%
16-20 years	88	16.40%
21-25 years	45	8.40%
26-30 years	31	5.80%
>30 years	19	3.50%
The average working time during COVID-19		
≤ 8 hours per day	127	23.60%
>8 hours per day	410	76.40%
Exposure to COVID-19,		
No	71	13.20%
Yes	466	86.80%
Direct contact with COVID-19 patients		
No	103	19.20%
Yes	434	80.80%
Testing for COVID-19		
No	25	4.70%
Yes	512	95.30%
Quarantined, and any family member infected with COVID-19		
No	175	32.60%
Yes	362	67.40%

Table 4 shows the burden of mental health disorders among healthcare workers. Stress and Fear were the most affected mental health among healthcare employees with 67.2% and 82.3% respectively. Anxiety was referred in 33.3% of participants while depression in 23.4%. Most of the medical employees appeared with symptoms of mild depression 74 (58.7%), whereas related

to the severity of anxiety, 75 (41.9%) appeared with moderate to severe symptoms. Nurses and medical doctors were significantly more likely to report depressive symptoms compared to other medical employees $\chi^2=85.2$, 95% CI, a p-value of 0.03 than radiologists, stomatologists, and pharmacists.

Table 4. The burden of mental health disorders among healthcare workers.

Variables		Doctors	Nurses	Radiologists	Stomatologists	Pharmacists	Others
Stress PTSD	Yes	98	167	15	13	11	56
Fear FCV-19	Yes	102	201	19	30	23	67
Anxiety GAD-7 (≥ 5)	Yes	42	84	10	9	6	28

Depression PHQ-9 (≥ 7)	Yes	35	42	9	13	7	20
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Female participants show a higher score for mental health disorders, particularly for fear, stress, and anxiety compared to males $p < 0.05$, while medical employees who work in Tirana had a higher significant score than those living in other regions $p < 0.05$. Furthermore, the younger age groups ≤ 40 years and > 55 were more prone to report likely fair, stress, and depressive symptoms compared to other ages (p -value < 0.05). Furthermore, healthcare workers

with an average working time during COVID-19 ≥ 8 hours per day with exposure to COVID-19 or direct contact with COVID-19 patients were more likely to have big problems with mental health disorders. (p -value < 0.05). Fear, stress, and anxiety were the most predominant health problems among HCWS. Table 5 shows the multivariate analyses of risk factor associated with PTSD, fear, anxiety, and depression among HCWs.

Table 5. Odds ratios from multivariable analysis of the associated factors of PTSD, fear, anxiety, and depression among HCWs.

p-value	PTSD			FCV-19			GAD-7			PHQ-9		
	Odds ratio	95% CI	p-value	Odds ratio	95% CI	p-value	Odds ratio	95% CI	p-value	Odds ratio	95% CI	p-value
Gender												
Men	1	Reference		1	Reference		1	Reference		1	Reference	
Women	1.52	0.79-2.34	0.04	1.05	0.50-2.12	0.02	1.81	0.97-3.19	0.035	0.98	0.59-1.70	0.06
Age, year, mean (SD)	2.37	1.42-4.58	0.01	1.91	1.47-4.08	0.04	1.23	0.71-2.43	0.02	2.28	0.84-3.39	0.049
The place of residence												
Urban	1	Reference		1	Reference		1	Reference		1	Reference	
Rural	0.89	0.43-1.27	0.07	0.43	0.01-0.85	0.07	0.67	0.04-0.91	0.04	0.8	0.52-1.30	0.1
Marital status												
Single	1	Reference		1	Reference		1	Reference		1	Reference	
In a relationship/ married	3.45	2.01-7.89	< 0.0001	1.17	0.76-2.38	0.01	1.7	0.64-2.91	0.03	0.9	0.32-1.30	0.37
Do you live alone?												
Yes	1	Reference		1	Reference		1	Reference		1	Reference	
No	3.27	1.83-9.57	< 0.0001	2.73	1.12-5.70	0.03	0.45	0.09-1.20	0.08	1.11	0.49-1.97	0.04
Working place												
Public	2.52	1.18-4.37	0.006	1.81	1.00-3.22	0.02	1.73	0.80-2.69	0.04	2.49	1.59-3.72	0.001
Private	1.84	1.09-2.64	0.02	2.57	0.83-4.61	0.002	0.97	0.42-1.64	0.07	1.36	0.73-2.54	0.02

Both	1	Reference		1	Reference		1	Reference		1	Reference	
Area of work												
Tirana	1.53	0.95-2.08	0.02	2.18	1.13-5.72	0.01	1.46	0.97-2.81	0.03	0.89	0.52-1.61	0.091
Others	1	Reference		1	Reference		1	Reference		1	Reference	
Years of experience as an HWC?												
1-5 years	1.75	1.01-2.34	0.004	1.28	0.42-2.61	0.01	0.37	0.00-1.12	0.71	0.48	0.04-0.90	0.7
6-10 years	1.37	0.79-2.64	0.043	1.52	0.49-3.42	0.03	1.82	0.74-2.67	0.08	1.38	0.92-1.86	0.03
11-15 years	0.2	0.00-0.54	0.31	0.4	0.00-0.91	0.8	1.08	0.75-1.68	0.04	0.5	0.01-1.06	0.97
16-20 years	0.64	0.18-0.85	0.7	0.67	0.03-1.69	0.75	0.37	0.02-1.42	0.6	1.06	0.23-2.04	0.043
>20 years	1	Reference		1	Reference		1	Reference		1	Reference	
The average working time during COVID-19												
≤ 8 hours per day	1	Reference		1	Reference		1	Reference		1	Reference	
>8 hours per day	1.08	0.37-1.86	0.08	1.73	0.82-2.68	0.01	1.2	0.61-1.85	0.02	1.38	0.73-2.08	0.04
Exposure to COVID-19												
No	1	Reference		1	Reference		1	Reference		1	Reference	
Yes	2.42	0.94-8.65	0.0009	1.67	0.75-3.84	0.07	1.51	1.08-3.05	0.05	1.28	0.84-2.37	0.02
Direct contact with COVID-19 patients												
No	1	Reference		1	Reference		1	Reference		1	Reference	
Yes	3.54	2.18-11.4	<0.0001	2.67	1.42-5.75	0.01	2.22	1.00-3.84	0.05	1.74	1.12-2.51	0.03
Quarantined, and any family member infected with COVID-19												
No	1	Reference		1	Reference		1	Reference		1	Reference	
Yes	0.7	0.34-1.68	0.1	1.5	0.81-2.34	0.7	1.68	0.79-2.81	0.04	1.24	1.04-4.90	0.02

Discussion

Before 2020, mental disorders were the leading causes of the global health related burden, whereas depressive and anxiety disorders were the leading contributors to this burden. The emergence of the COVID-19 pandemic has created an environment where many determinants of poor mental health are exacerbated [31]. World Health Organization in one scientific brief in 2022, reported that the COVID-19 pandemic has led to a 27.6% increase (95% Uncertainty Interval (UI): 25.1–30.3) in

cases of Major Depressive Disorder (MDD) and a 25.6% increase (95% UI: 23.2–28.0) in cases of Anxiety Disorders (AD) worldwide in 2020. Furthermore, the greatest increases in MDD and AD were found in places highly affected by COVID-19, as indicated by decreased human mobility and daily COVID-19 infection rates [32]. More studies conducted in different states of Europe (Italy, Turkey, and Spain) or in China and Iran reported a higher pooled prevalence of

mental health disorders among healthcare workers than the general population [33-37].

To our knowledge, this is the second study to investigate health disorders among HCWs during the COVID-19 pandemic in Albania. We have investigated different occupations of healthcare workers that were engaged in the treatment of patients during the second wave of the pandemic, at the peak time of the covid-19 disease, the time when the number of daily infections and loss of life was relatively high. Despite the mild to moderate levels of anxiety (26.9% and 7.2%) and depression (23.1% and 12.1%) expressed in healthcare workers in Albania during the early phase of the pandemic found in a previous study, the findings of this study reported the higher mental health disorders rates such as fear (82.3%), stress (67.2%), depression (23.4%), and anxiety (33.3%), among health workers.

Due to the close contact and/or engagement with patients in the treatment of COVID-19, mental health disorders were encountered mostly in doctors and nurses, compared to other categories included in this study. Furthermore, being female and being a nurse were significantly associated with severe symptoms of fear, stress, depression, and anxiety.

Our finding is similar to other studies conducted in 2020 by Lai, et al., and Tan, et al., in which nurses experienced more psychological symptoms associated with caring for patients with COVID-19 [38, 39].

Zhang, et al., in their study mention that living in rural areas, being female, and being at risk of contact with COVID-19 patients were the most common risk factors for more of mental health disorders like anxiety and depression ($p < 0.01$ or 0.05) [40]. But the findings in our study related to the living area were in contrast with the previous study. Thus, HWCs that live in rural or urban areas do not appear a significant association with any of the mental health disorders that we analyzed. While as we highlighted before, being a female and being in close contact or engaged with COVID-19 positive patients, appeared a highly significant association with almost all mental health disorders analyzed. Females resulted in high significance for fear, stress, and anxiety with the p -value < 0.05 while HWCs being in close contact with patients resulted in high significance for fear, stress, anxiety, and depression with the p -value < 0.05 . In addition, many studies have reported the impact of some

risk factors (such as age, marital status, living alone, working place (private vs. public) experience in a medical workplace or years of experience with treatment of patients, and longer working hours in a clinical environment during COVID-19) that may contribute to psychological distress among healthcare workers [41-46]. Our study showed that younger age, married status, living with others, fewer years of experience in a clinical environment, and longer working hours were persistent risk factors for mental health disorders, regardless of the time of the second wave of the pandemic in our country. Those specific findings need further research with the inclusion of a higher number of health workers to understand if there is a cultural aspect related to this and whether the level of knowledge and education plays a role in the anxiety level of different HCWs.

Conclusion

This study reports a high level of fair and stress and mild to moderate burdens of depression and anxiety during the COVID-19 pandemic among physicians and other medical employees in Albania. Females, the younger age groups ≤ 40 years and > 55 , and the nursing profession were the most affected by mental health problems. Based logistic regression revealed that gender and of participants were significantly associated with moderate and severe anxiety levels, p -value < 0.05 . A significant relationship was found between some of the variables of risk factors and mental health problems. Thus, a significant relationship was observed for age, marital status, specialty, and workplace of medical staff. In all cases, the p -value was < 0.05 . Furthermore, studies with a large sample size to include all health medical staff nationwide need to identify and evaluate mental health among medical staff in Albania.

Recommendation

Considering the findings, further studies are recommended at the country level to explore the mental health condition of health workers staff that is in the first line of treatment of patients during the pandemic in order to develop evidence based strategies and to reduce the degree of risk for developing mental problems in this category.

We also recommend applying for prevention programs in four main categories such as;

"social/structural support", "better work environment", more efficient provision of "communication/information", as well as "mental health support", which will come to the aid of health workers staff, improving the mental load on these individuals during the pandemic.

All four of these categories should be applied in interaction with each other as medical staff is the category that poses a high risk for mental health problems during the pandemic being exposed on the front line.

Ethical Considerations

This study was approved by the university Alexander Xhuvani ethical committee. Due to technical difficulties caused by the pandemic situation Ethical clearance was obtained from the rector of the university Alexander Xhuvani, Elbasan, Albania (issues date 01/09/2020). All Healthcare workers participants in this survey were informed through online communication with one of the platforms WhatsApp and Messenger. All ethical guidelines based on Albanian Law no.9887, issue date 10/03/2008, amended for Low No.48/2012, amended in Low No. 120/2014 "On the protection of personal data" were strictly respected. Furthermore, during this study, we followed the guidelines of the Declaration of Helsinki of 1975, as revised in 2008. Before enrollment, the researcher explained the purpose of the study. All HCWs were informed that participation in the study was voluntary, participants could withdraw at any moment and all the data collected will be used only for the current study. No personal data were recorded, and all questionnaires were completed anonymously. We warrant that all ethical guidelines for medical research were strictly respected.

Competing Interests

Not applicable

Authors' Contributions

L. Ramasaco and E. Abazaj both were involved in the conception and design of the study, L. Ramasaco, E. Abazaj, B. Brati, and L. Shundi: we're part of the data collection, and analyzed the data. E. Abazaj analyzed the data (statistical analyses) and made critical revisions. All researchers drafted the manuscript and approved the final version of the manuscript.

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Conflict of Interest

The researchers declared that there is no financial or non-financial conflict of interest. All the data presented in this paper have been collected on our part and the participant's anonymity is preserved.

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