Editorial

Healthcare Worker Stress and Burnout in the time of COVID-19: A Call for Action

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The COVID19 pandemic has come as a shock to the whole world. Since it first became apparent in Wuhan, China [1] in late 2019, till June 9, 2021, 174 million people were infected, and 3.76 million people had died [2]. The risk of infections among healthcare workers has been observed to be higher than in the general community [3], and this risk is carried on to people in their households [4]. The WHO has devised a protocol to help in this respect [5].

As of June 9, 2021, Sudan had recorded 36,004 proven infections and 2,711 deaths [6]. Moreover, 109 deaths were reported in doctors between January 14, 2020 and March 12, 2021 [7]. However, in this article, it is argued that this is only the tip of the iceberg. It is a well-established fact that healthcare workers suffer from an undue amount of stress and burnout [8], and our yet unpublished data show Sudan is not an exception. The current COVID 19 pandemic has further exacerbated this situation by increasing the stress levels among healthcare workers, as shown by data from countries as diverse as China [9], Italy [10], and Saudi Arabia [11]. However, in Sudan, the stress levels are expected to be comparatively more due to the current economic situation in the country with rampant inflation [12] and other consequent problems such as frequent power cuts.

These effects of work-related stress, burnout, and other mental health consequences have been shown by previous epidemics (e.g., Middle East Respiratory Syndrome) to have long-term consequences [11, 13, 14]. These long-term consequences, if not mitigated, would ultimately lead to decreased work productivity and less efficiency in the workplace [15]. Unfortunately, in developing countries, a barrier to identifying and dealing with these mental health consequences is the stigma associated with these conditions [16]. This social stigma forces these individuals to either keep them a secret or withdraw from society [17]; as a consequence, they may not disclose their symptoms to healthcare professionals or even to their family and relatives [18]. Another barrier is that even if the individual does not have a stigma, there is, unfortunately, a lack
of adequately trained individuals to treat them as it has been reported that for severe mental health disorders, there is a deficiency in treatment of 76–90% in low- and middle-income countries (LMICs), respectively [19].

From the above, it becomes evident that in LMICs, prevention is the way forward. This is easier said than done, as proven by a 2015 Cochrane review that looked at published literature until then and concluded that there was low-quality evidence that neither personal nor organizational interventions had any effect, if at all, in reducing stress [20]. This review concluded that organizational interventions need better focus on the reduction of specific stressors. Researchers are continuing to look at possible solutions, and recently there have been some positive results [21].

From the perspective of Sudan and in the current pandemic, some more recent literature looks more relevant. The most relevant of these was the Coping with COVID study [22], which mainly pointed out that for healthcare workers feeling valued by higher hospital authorities led to lower stress. This was confirmed by a subsequent work [23]. However, further data from the same group that has published the Coping with COVID study group [24] showed that in a large United States-based study of nearly 21,000 healthcare workers from 42 different organizations, 38% had anxiety/depression, 49% had burnout, and 50% felt not valued. The authors suggested that organizations should explore the causes of this (e.g., increased workload), and after that, organizations should consider targeted interventions such as peer support programs and changes in care infrastructure to facilitate support. The authors further developed a conceptual model portraying potential contributors and mitigators of stress and burnout, as shown in Figure 1.

Following the above, similar interventions can easily be done in Sudan after taking into consideration the local culture, as shown in the Saudi Arabian study [11], which showed stress and fear of contracting COVID19 was particularly high amongst those who had vulnerable elderly family members at home which is highly likely to be true in our similar circumstances.
Finally, a firm action should be taken on the unquestionably present scourge of stress and burnout among Sudanese healthcare workers by identifying the risk factors and mitigating them.

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