The Psychological Stresses among the Medical Practitioners in Health Care Institution in Riyadh City in Light of "Covid 19" Pandemic

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Abstract: This study aimed to identify the level of psychological stress among health practitioners in health care homes in the city of Riyadh in light of the Covid 19 pandemic from their point of view. The descriptive approach was used on a sample consisting of (122) individuals who work in health care homes during the period of Covid 19 in Al- Riyadh city, a questionnaire was prepared consisting of (21) indicators distributed on three dimensions of psychological stress (the psychological dimension, the family dimension, and the professional dimension). The results of the study showed that the general level of the study sample’s estimates on the dimensions of psychological stress was (3.68), with a high degree of agreement, family dimension came with a mean of (3.68) and in a high degree of agreement, and finally the professional dimension with a mean of (3.67) and in a high degree of estimate. The researchers recommends the importance of establishing educational awareness programs for health practitioners to relieve work pressure, creating appropriate working conditions, and allocating specialized counselors by the Ministry of Health in hospitals and health centers to support health practitioners psychologically during the pandemic period.

Key Words: Psychological stresses, Medical Practitioners, Health Care Institution, Covid 19 pandemic.

1. INTRODUCTION

Throughout his life, the individual is exposed to stressful events and circumstances, especially in our current life, which has witnessed great economic, urban, technological, social, and political developments. Consequently, the issue of stress is one of the important topics that have attracted the attention of scholars in various sciences, including medical, educational, psychology, and sociology (Almaghrabi, 2020).

Life changes, job or family responsibilities, and life's ups and downs are all causes that lead to feelings of distress and psychological pressure. mentions that the more severe the emergency events in life, the more violent stress we suffer on the psychological and physical levels, and this means that the strength of the stress response is related to the importance of the stressful event (Ahola, 2020).

Psychological stress is one of the things that exhaust a person and make him not adapt to his environment. It is also considered one of the common problems that a person suffered from during the different periods of his life. Just as he passes times of joy, happiness and joy, he passes difficult times that affect his psyche, his work performance, and his health. His family (Al Sulais, & ALameel 2020).

Through previous literature, it was found that psychological stress is a common occurrence with those who deal with others, such as nurses and workers in the health sector, especially if they have excessive work demands. In general, working in the health sector is stressful. Because it requires dealing with different ages, cultures, and health conditions (Aiyar & Surani, 2020).

And through the results of the (Khamis, 2020) study, it was found that health practitioners suffer from a high level of psychological stress during work. And he agrees with him (Almalki & Alzahrani, 2921). who believes that health practitioners and medical professionals suffer relatively more than others from psychological stress because of the troubles, burdens, responsibilities, and continuous demands that
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this profession entails from society, as it requires a certain amount of physical and psychological energy, to accomplish it, and if the burden exceeds the endurance, making the individual unable to adapt to it and causing him psychological pressure. The new Corona virus (COVID-19) appeared in China in the city of Wuhan in the year (2019) for the first time and spread all over the world, and as a result the world changed in a short period and terror and fear spread among people, and some countries declared states of emergency and quarantine was imposed, Aviation was stopped, and Covid-19 became the talk of the people and the media (Al-oufi, 2022).

The virus continues to affect many countries of the world, which led to psychological effects that resulted in dire consequences in all economic, social and psychological fields. As the world was affected in all its layers as a result of this crisis, and according to the World Health Organization and the United Nations, they monitored a large prevalence of mental disorders due to the Corona pandemic, especially among health care workers and medical professions, and it is mentioned that according to a survey carried out by the US Census Bureau in December (2021), He reported that about 42% of the respondents had suffered from some symptoms of anxiety or depression, compared to 11% of those surveyed in the same survey in the previous year (Wu, & Wang, 2021).

Corona pandemic has increased mental health problems for the world's population, in particular health practitioners, and patients with non-communicable chronic diseases, Health practitioners are among those who had a major role in confronting this pandemic, due to their dealings with infected cases, the possibility of transmission to them, and the possibility that they transmit the infection to their families and relatives at a greater rate than others (Bilal, & Yasmin, 2022).

And by looking at previous studies that were conducted on different environments, the results of their studies concluded that health practitioners suffer from psychological effects from this pandemic. According to a study conducted by (Aiyar & Surani, 2020) the COVID-19 pandemic has led to high levels of stress and mental health conditions, especially among health practitioners and physicians. In Iran, a study (Greenberg, 2020) showed that nurses suffered from various psychological pressures, and a study (Si, 2020) that was conducted in China agreed with them, and its results showed that negative symptoms are prevalent among health practitioners in light of the pandemic. They were supported by a study (Almaghrabi, 2020) that health practitioners have several fears of this pandemic, including fear for their safety and fear for the health of their families.

The likelihood of developing a psychological injury versus experiencing psychological growth is influenced by the support received before, during, and after a difficult life event. COVID-19 pandemic has been an extraordinary challenge for populations around the world. At the focal center of fighting this disease are healthcare workers (HCWs). Protecting them, therefore, must be a crucial component of public health measures aimed at addressing the out-break (Lai & Wang, 2020).

Several reports have discussed the psychological impact of COVID-19 on frontline HCWs [3–5]. The emotional response of "HCWS" to an outbreak of a disease like COVID-19 is complicated, with potentially long-term mental health implications (HCWs, 2020). Manifestations of psychology cadasters among HCWs include elevated levels of stress, anxiety, depression, severe insomnia, obsessive-compulsive symptoms, somatization, post-traumatic stress disorder, vicarious traumatization, and increased risk of developing other mental health problems, and in the most vulnerable cases, suicide. Hospitals nationally and globally were struggling with the effects of the pandemic and mental health crisis, including the general population. Women have been found to report more severe symptoms of depression, anxiety and psychological distress than men (Almaghrabi, 2020) that health practitioners were supported by a study (Si, 2020) that nurses suffered from various psychological pressures, and a study (Si, 2020) that was conducted in China agreed with them, and its results showed that negative symptoms are prevalent among health practitioners in light of the pandemic. They were supported by a study (Almaghrabi, 2020) that health practitioners have several fears of this pandemic, including fear for their safety and fear for the health of their families.

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Studies attribute the emotional strain experienced by HCWS to various reasons such as intensified perception of experiencing personal danger, widespread media coverage, inadequate support, reluctance to work or contemplating resignation, rising numbers of
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Acutely ill patients, anxiety about assuming unfamiliar clinical roles, expanding workloads caring for COVID-19 patients, caring for affected coworkers, fear of transmitting the virus to fellow HCWS, shortages of medical equipment [3] such as personal protective equipment, limited testing and treatment options for COVID-19, fear of infecting family members due to workplace exposure, the pressure of making emotional and ethical resource-allocation decisions, work-related burnout, stigmatization and ostracism for displaying physicals suggestive of COVID-19 infection and limited access to mental health services (Si & Jiang, 2020).

It is also important to consider these findings with respect to methodological rigour and quality checks, for instance, one study reported findings drawn from a relatively small sample size with a low response rate from HCWS, and using measures with single-item ratings. Nevertheless, there is a critical need for healthcare organizations and researchers to prioritize the mental health needs of HCWs serving the community during the pandemic globally, there may even be the risk of the COVID-19 outbreak leading to a second pandemic’ of mental health crises in health systems and communities (Zhu & Zhang & Wang, 2020).

The implications of this study are needed to develop specialized psychological interventions for HCWS, improve relevant organizational and management policies, strengthen and prepare healthcare personnel to provide psychological support and tackle mental health challenges, and establish prevention strategies such as screening for psychological distress, as well as providing psychoeducation and targeted support to those at most risk (Mohsin & Agwan, 2021).

It should be noted that there are a few number of studies have considered the impact of COVID-19 on the mental health of healthcare workers (HCWs) in the Kingdom of Saudi Arabia (KSA) (Almalki & Alzahrani, 2021). We estimated the prevalence and severity of psychological distress and characterized predisposing risk factors among HCWs in KSA during the COVID-19 pandemic. The prevalence of psychological distress reported by HCWs in KSA was high, ranging from mild-moderate to severe in severity. Younger HCWs, women, those in contact with COVID-19 patients, and those who either had loved ones affected or who were themselves affected by COVID-19 were the most at-risk of psychological distress. Risk factors such as insomnia, loneliness, fear of transmission, and separation from loved ones most significantly predicted elevated levels of distress among HCWs, increasing psychological distress was commonly reported by HCWs during the early months of COVID-19 pandemic in KSA. Public health policy makers and men professionals must give special attention to risk factors that predispose HCWs in KSA to psychological distress. Thus, this study came to identify the level of psychological stress among workers in health care institutions in the city of Riyadh during the Covid 19 pandemic (Surrati. & Alhabi, 2022).

Some studies have dealt with psychological stress arising from Covid 19 among health care workers at the local and global levels. The study (Al-AL-oufi, 2022) aimed to identify the level of psychological stress among health care workers in Medina during the Covid 19 pandemic, and the results showed that there was a high level psychological stress among the study sample.

As shown in the study by (Bilal & Yasmin, 2022) the psychological distress reported by HCWS in KSA was high, ranging from mild-moderate to severe in severity. Younger HCWs, women, those in contact with COVID 19 patients, and those who either had loved ones affected or who were themselves affected by COVID-19 were the most at-risk of psychological distress. Risk factors such as insomnia, loneliness, fear of transmission, and separation from loved ones most significantly predicted elevated levels of distress among HCWS.

The study of (Almaghrabi, 2022) aimed at analyzing the opinions of health care workers in dealing with the Corona virus (Covid-19) pandemic in Prince Sultan Military Medical City, Riyadh, and the study tool was an online questionnaire, and the sample consisted of (1036) workers in the field of health care, and the results showed that workers have a lot of means of prevention and general safety from disease.

Although a study by (Zhu & Zhang, 2020) showed that health workers suffer from psychological distress as a result of their work with COVID-19 patients. A study by (Surrati &
Alihabi, 2020) attempted to measure the extent of depression, anxiety, and stress among healthcare workers during the Covid period in Medina, Saudi Arabia. A cross-sectional study was conducted on (122) healthcare workers in Medina, using a questionnaire. An electronic measure of anxiety and depression The study showed that there is a high rate of anxiety, depression, and moderate stress among all health care workers, regardless of the nature of Their occupations differed, and the risk factors for both anxiety and depression were due to inadequate infection control training, and pre-existing medical problems associated with stress.

Statement of the Problem:

The problem of this study appears in its handling of the psychological pressures of health care workers in Riyadh, where professional and psychological pressures fall on them, especially workers in the field of caring for people with Covid 19, whether doctors or nurses, due to the nature of their work and the great role they play. Several studies have found that doctors and nurses are among the groups most exposed to psychological stress resulting from the nature of their work; Because of the multiplicity of sources that make them under pressure, and the response of the nurse or doctor to pressure is what determines if he is under stress.

Psychological stress may increase among healthcare workers in light of the COVID-19 pandemic. Being in direct contact with patients, they are at the forefront of fighting this pandemic. Consequently, their psychological stress may increase, and the results of the (Arafat, 2020) study showed that health practitioners in the Kingdom of Saudi Arabia suffered from depression, anxiety, tension, stress, and insufficient sleep. Consequently, the researchers saw the need for a procedure such as the study to reveal the level of psychological stress experienced by health practitioners during the pandemic. Accordingly, the problem of the study was determined by answering the following question:

1. What is the level of psychological stress among health practitioners in health care homes in ARiyadh city in light of the Covid 19 pandemic?

Significant of the study

The importance of the study lies in its discussion of psychological stress among health practitioners during the Covid 19 period in Riyadh, and it is one of the few studies that dealt with this topic at the local level, and this study may help Psychological counseling workers to prepare support and guidance programs for the category of health practitioners in light of the Corona pandemic in particular, and during crises in general, so that this group of society is at the center of attention and care with regard to their psychological support; For the sacrifices they make for the members of society. It may also contribute to supporting programs that can be prepared and implemented by the Ministry of Health for health practitioners to improve the work environment.

Purpose of the Study

This study aimed to identify the level of psychological stress among health practitioners in Al-Riyadh city.

The limits of the study

VI. Objective limits: limited to knowing the level of psychological stress among health practitioners in light of the Corona pandemic in Riyadh.

Human limits: limited to health practitioners working in health care and nursing in health care homes in Riyadh.

Spatial boundaries: health care homes in Riyadh.

2. RESEARCH METHODOLOGY

Research design: The study adopted the descriptive survey design. This type of design depends basically on the use of questionnaire for data collection. It involves the collection of data to objectively and accurately examine existing phenomenon.

Study population and sample

The study population consisted of all health practitioners in health care facilities in Riyadh, and the study sample consisted of (120) health practitioners who work in nursing and caring for Covid 19 patients.

Study Instrument

The electronic questionnaire was used to collect data from the study sample, which is a questionnaire of psychological stress for health practitioners in health care facilities in Riyadh.
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The questionnaire consisted of (21) items that measure the level of psychological stress in dimensions of: psychological dimension, family dimension, and professional dimension. The validity and reliability coefficients were calculated for the study Instrument.

3. RESULTS

Results of the first question: What is the level of psychological stress among health practitioners in health care homes in Riyadh city in light of the Covid 19 pandemic? To answer this question, the arithmetic means and standard deviations of the study sample's answers were calculated on the dimensions and indicators of the study instrument. The results are presented on table 1.

Table1. The arithmetic means and standard deviations of the study sample's answers were calculated on the dimensions and indicators of the study instrument

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>Means</th>
<th>S D</th>
<th>Degree</th>
<th>Rank</th>
</tr>
</thead>
<tbody>
<tr>
<td>Psychological</td>
<td>3.68</td>
<td>0.89</td>
<td>High</td>
<td>1</td>
</tr>
<tr>
<td>Family</td>
<td>3.68</td>
<td>0.87</td>
<td>High</td>
<td>2</td>
</tr>
<tr>
<td>Professional</td>
<td>3.67</td>
<td>0.87</td>
<td>High</td>
<td>3</td>
</tr>
<tr>
<td>Total Mean</td>
<td>3.68</td>
<td>0.87</td>
<td>High</td>
<td></td>
</tr>
</tbody>
</table>

Table (1) showed that the general level of the study sample’s estimates on the dimensions of psychological stress was (3.68), with a high degree of agreement, family dimension came with a mean of (3.68) and in a high degree of agreement, and finally the professional dimension with a mean of (3.67) and in a high degree of estimate.

This result indicates that health care workers during the Covid 19 period felt a high level of psychological stress as a result of their dealings with Covid 19 patients, and because of the long working hours, which was reflected on their psychological, family and professional status. This result is consistent with most studies that dealt with the psychological status of workers. health workers during the Covid-19 period.

For further clarification, the following is a presentation and discussion of the degree of agreement of the study sample within each dimension of psychological stress. The arithmetic means and standard deviations for the indicators of each dimension were calculated separately, as shown in Tables (2,3,4).

1. Psychological dimension

Table (2) showed that the general level of the study sample’s estimates on indicators of the psychological dimension of stress among health practitioners from their point of view amounted to (3.68), with a high degree of appreciation, and the sample’s levels of estimates on indicators of the psychological dimension ranged between (3.52-3.78), with standard deviations It ranged between (0.82 - 0.98), and the 4 indicators of this dimension were with a high degree of agreement, and (3) indicators with a medium degree of agreement, and indicator No (3), which reads: “I feel unwilling to come to work.”, ranked in first, with a mean of (3.78) and a high degree of agreement, indicator no (5)” I find it difficult to relax “ ranked at last with a mean (3.52) in a medium degree of agreement, the total arithmetic mean was The sample's responses on the psychological dimension (3.69), with a high degree of agreement.

Table2. The arithmetic means and standard deviations of the study sample’s estimates on the indicators of the psychological dimension of stress

<table>
<thead>
<tr>
<th>Degree</th>
<th>S D</th>
<th>Means</th>
<th>Indicators</th>
<th>N</th>
<th>Rank</th>
</tr>
</thead>
<tbody>
<tr>
<td>High</td>
<td>0.82</td>
<td>3.78</td>
<td>I feel unwilling to come to work.</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>High</td>
<td>0.83</td>
<td>3.77</td>
<td>I feel sluggish most of the time.</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>High</td>
<td>0.86</td>
<td>3.72</td>
<td>I get nervous quickly for the simplest of reasons.</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>High</td>
<td>0.87</td>
<td>3.70</td>
<td>My fear of catching COVID-19 dominates my thinking.</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>Medium</td>
<td>0.92</td>
<td>3.65</td>
<td>I suffer from lack of sleep.</td>
<td>1</td>
<td>5</td>
</tr>
<tr>
<td>Medium</td>
<td>0.94</td>
<td>3.62</td>
<td>I worry most of the time.</td>
<td>7</td>
<td>6</td>
</tr>
<tr>
<td>Medium</td>
<td>0.98</td>
<td>3.52</td>
<td>I find it difficult to relax.</td>
<td>5</td>
<td>7</td>
</tr>
<tr>
<td>Total</td>
<td>0.89</td>
<td>3.68</td>
<td>High</td>
<td></td>
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</tbody>
</table>
"The Psychological Stresses among the Medical Practitioners in Health Care Institution in Riyadh City in Light of "Covid 19" Pandemic".

2. Family dimension
Table (3) showed that the general level of the study sample’s estimates on indicators of the family dimension of stress among health practitioners from their point of view amounted to (3.68), with a high degree of appreciation, and the sample’s levels of estimates on indicators of the family dimension ranged between (3.45-3.82), with standard deviations. It ranged between (0.78 - 0.96), and (5) indicators of this dimension were with a high degree of agreement, and (2) indicators with a medium degree of agreement, indicator No. (9), which reads: “I feel bad because of my long absence from my family.” ranked in first, with a mean of (3.82) and a high degree of agreement, indicator no (14) “I find it difficult to relax at home.” Ranked at last with a mean (3.45) in a medium degree of agreement, the total arithmetic mean of family dimension (3.68), with a high degree of agreement

Table 3. The arithmetic means and standard deviations of the study sample’s estimates on the indicators of the family dimension of stress

<table>
<thead>
<tr>
<th>Degree</th>
<th>S D</th>
<th>Means</th>
<th>Indicators</th>
<th>N</th>
<th>Rank</th>
</tr>
</thead>
<tbody>
<tr>
<td>High</td>
<td>0.78</td>
<td>3.82</td>
<td>I feel bad because of my long absence from my family.</td>
<td>9</td>
<td>1</td>
</tr>
<tr>
<td>High</td>
<td>0.80</td>
<td>3.76</td>
<td>Problems happen to me Continuing with my family.</td>
<td>12</td>
<td>2</td>
</tr>
<tr>
<td>High</td>
<td>0.84</td>
<td>3.73</td>
<td>I am afraid of infecting my family with the disease.</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>High</td>
<td>0.88</td>
<td>3.71</td>
<td>My family complains about the dangers of my work</td>
<td>10</td>
<td>4</td>
</tr>
<tr>
<td>High</td>
<td>0.90</td>
<td>3.70</td>
<td>I neglected my family during covid 19.</td>
<td>13</td>
<td>5</td>
</tr>
<tr>
<td>Medium</td>
<td>0.94</td>
<td>3.60</td>
<td>I worry about my family most of the time.</td>
<td>11</td>
<td>6</td>
</tr>
<tr>
<td>Medium</td>
<td>0.96</td>
<td>3.45</td>
<td>I find it difficult to relax at home.</td>
<td>14</td>
<td>7</td>
</tr>
<tr>
<td>Total</td>
<td>0.87</td>
<td>3.68</td>
<td>High</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

3. Professional dimension
Table (4) showed that the general level of the study sample’s estimates on indicators of the professional dimension of stress among health practitioners from their point of view amounted to (3.67) with a high degree of appreciation, and the sample’s levels of estimates on indicators of the professional dimension ranged between (3.42-3.92), with standard deviations. It ranged between (0.64 - 0.99), and (4) indicators of this dimension were with a high degree of agreement, and (3) indicators with a medium degree of agreement, indicator No. (17) “I feel pain of deaths on the job” ranked in first, with a mean of (3.92) and a high degree of agreement, indicator no (16) “It bothers me that there are few breaks during work”, ranked at last with a mean (3.42) in a medium degree of agreement, the total arithmetic mean of professional dimension (3.67), with a high degree of agreement.

Table (4): The arithmetic means and standard deviations of the study sample’s estimates on the indicators of the professional dimension of stress

<table>
<thead>
<tr>
<th>Degree</th>
<th>S D</th>
<th>Means</th>
<th>Indicators</th>
<th>N</th>
<th>Rank</th>
</tr>
</thead>
<tbody>
<tr>
<td>High</td>
<td>0.64</td>
<td>3.92</td>
<td>I feel pain of deaths on the job.</td>
<td>17</td>
<td>1</td>
</tr>
<tr>
<td>High</td>
<td>0.82</td>
<td>3.78</td>
<td>I feel constant pressure at work.</td>
<td>15</td>
<td>2</td>
</tr>
<tr>
<td>High</td>
<td>0.84</td>
<td>3.72</td>
<td>I feel very responsible for my work.</td>
<td>20</td>
<td>3</td>
</tr>
<tr>
<td>High</td>
<td>0.88</td>
<td>3.70</td>
<td>I get nervous with colleagues at work.</td>
<td>19</td>
<td>4</td>
</tr>
<tr>
<td>Medium</td>
<td>0.92</td>
<td>3.62</td>
<td>I find it difficult to focus on my work.</td>
<td>21</td>
<td>5</td>
</tr>
<tr>
<td>Medium</td>
<td>0.97</td>
<td>3.56</td>
<td>The lack of adequate financial incentives bothers me.</td>
<td>18</td>
<td>6</td>
</tr>
<tr>
<td>Medium</td>
<td>0.99</td>
<td>3.42</td>
<td>It bothers me that there are few breaks during work.</td>
<td>16</td>
<td>7</td>
</tr>
<tr>
<td>Total</td>
<td>0.87</td>
<td>3.67</td>
<td>High</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

4. DISCUSSION
The results showed that the general level of the study sample’s estimates on the dimensions of psychological stress was (3.68), with a high degree of agreement, family dimension came with a mean of (3.68) and in a high degree of agreement, and finally the professional dimension with a mean of (3.67) and in a high degree of estimate.

This result indicates that health care workers during the Covid 19 period felt a high level of psychological stress as a result of their dealings with Covid 19 patients, and because of the long working hours, which was reflected on their
psychological, family and professional status. This result is consistent with most studies that dealt with the psychological status of workers, health workers during the Covid-19 period. These results indicate that the pressures of the work environment for health practitioners during Covid 19 are by their nature more than in normal days, as the conditions in which health practitioners live require them to deal with Covid-19 patients. Infection, and the medical professions are professions that often face a lot of stress. Therefore, the results showed that health practitioners were feeling high levels of psychological, family and occupational pressure, as a result of the emergency conditions caused by the Covid 19 pandemic, and despite these pressures, all workers in the health sector in the Kingdom of Saudi Arabia were making special efforts to help others and protect them from the disease. These results agree with the study of (Almaghrabi, 2020, Abolfotouh & Bani Mustafa, 2020, AL-oufi, 2022). Finely researchers recommends the importance of establishing educational awareness programs for health practitioners to relieve work pressure, creating appropriate working conditions, and allocating specialized counselors by the Ministry of Health in hospitals and health centers to support health practitioners psychologically during the pandemic period.

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doctors and health workers.


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