Peertechz



ARCHIVES OF Depression and Anxiety 8 SEMACESS

ISSN: 2455-546

2455-5460 DOI: h

Short Communication

Prevalence and predictive factors of depression among medical health care workers and medical residents

Mohammed Qasem Alqahtani*

Resident in Preventive Medicine, Ministry of Health, Tabuk, Saudi Arabia

Mental health is one of the 3 essential health columns which is defined according to WHO as "a state of complete physical, mental and social well-being and not merely the absence of disease and infirmity". Depression is one of the most common mental health. According to the Diagnostic and Statistical Manual of Mental Disorders (DSM-5), depression is defined as at least two weeks period with either or both depressed mood most of the time or anhedonia with 3 to 4 of the following (change of appetite, feeling of worthlessness, insomnia, diminished of concentration, psychomotor agitation, fatigue, or thought of death or suicide) and should not be attributed to drugs or another medical condition. Globally depression is a common mental health disorder that affected 5% of world adults. Women and older people have a higher risk to have depression. From 15 to 29 years old people suicide is the 4th leading cause of death. Yearly 700 thousand die due to suicide [1]. As part of working people medical residents like all people facing depression which will affect their productivity and ability to learn. Accordingly, medical residents have the right to assess and access mental health care facilities [2]. In Saudi Arabia, there are some studies modestly trying to assess the prevalence of depression among the population in general and health care workers and the risk factors associated with depression. In this study, we try as part of the whole kingdom to find the prevalence of depression among medical residents in order to address the problem to try to solve it.

Salha Ali Almarhapi A, et al. In a cross-sectional study on 255 healthcare workers (72 physicians and 183nurses) from North West Armed Forces Hospital in Tabuk City by using a 9-item depression module of the full Patient Health Questionnaire Received: 10 April, 2023 Accepted: 12 April, 2023 Published: 13 April, 2023

*Corresponding author: Mohammed Qasem Alqahtani, Physician, Resident in Preventive Medicine, Ministry of Health, Tabuk, Saudi Arabia, Tel: +966553696600; E-mail: Mohmd-gassim@hotmail.com

L-mail. Womuu-gassim@notmail.com

ORCiD: https://orcid.org/0009-0006-2876-1081

Keywords: Depression; Prevalence; Predictive factors; Medical residents; Healthcare workers

Copyright License: © 2023 Alqahtani MQ. This is an open-access article distributed under the terms of the Creative Commons Attribution License, which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited.

https://www.peertechzpublications.com

Check for updates

(PHQ) the results demonstrated 43.9% Of healthcare workers have depression and 0.8 were severe depression. 58.8% of the participant were females. Also, they found that persons who lost a beloved one or experience less than 5 years are at higher risk to developed depression comber to those without a history of beloved loss or longer work experience [3].

Mahera Abdulrahman A, et al. A cross-sectional study on 446 medical residents, in which 68% of them responded. The study was conducted in Dubai and Abu Dhabi in UAE. by using a 9-item depression module of the full Patient Health Questionnaire (PHQ) the results demonstrated 75.5%, 84% and 74% of the medical resident had moderate-to-high emotional exhaustion, high depersonalization and low sense of personal accomplishment, respectively. And depending on specialty, depression was ranked from 6% to 22%. also Among those with high depression reported burnout by 83% [4].

Nada A. AlYousefi A, et al. A cross-sectional study on 960 students. The study was conducted in Riyadh, Saudi Arabia. By using a 9-item depression module of the full Patient Health Questionnaire (PHQ) the results demonstrated 32.4% of students aged from 16 to 19 had moderate to severe depression. Also, they found the female gender and Level of the father's education as a significant predictor of depression. And a physically active lifestyle as a protective factor. Those with physical and emotional abuse had a higher risk for depression [5].

A systematic review and meta-analysis of literature containing 54 cross-sectional and longitudinal full-text articles about characteristics symptoms and prevalence of

017

Citation: Algahtani MQ (2023) Prevalence and predictive factors of depression among medical health care workers and medical residents. Arch Depress Anxiety 9(1): 017-018. DOI: https://dx.doi.org/10.17352/2455-5460.000074

depression published from January 1963 to September 2015 in EMBASE, ERIC, MEDLINE and PsycINFO. They found from 9447 participants in 31 cross-sectional studies and 8113 participants in 23 longitudinal studies 28.8% pooled prevalence of depression with Q = 1247, $\tau 2 = 0.39$, I2 = 95.8%, p < .001heterogeneity. Prevalence estimates ranged from 20.9% to 43.2% for the 9-item Patient Health Questionnaire with a cutoff of 10 or more and the 2-item PRIME-MD respectively. Also, they found an increase in the prevalence of depression by 0.5% per year with increases in a calendar year. Among 7 longitudinal studies with secondary analysis the median absolute increase by 15.8% in depression symptoms with the onset of a residency program. Between different studies, there were no significant statically differences [6].

Mehdi Marzouk A, et al. A cross-sectional study on 1700 medical residents. A study was conducted in Tunisia between 14 and 22 December 2015 by using Hospital Anxiety and Depression (HAD) questionnaire. the results demonstrated that 74.1% of residents had anxiety and 62% had depression. Also, they found the residents' age, female gender, number of night shifts and surgical specialty were scientifically associated with high HAD scores [7].

Abdullah Alshard A, et al. In a cross-sectional study on 149 medical residents completing their training programs at King Abdulaziz Medical City (KAMC), Ministry of National Guard Health Affairs in Jeddah. By using the 9-item depression module of the full Patient Health Questionnaire (PHQ). Demonstrated that 75.8% of the participants had depression as 35.6%mild, 34.2%, moderate and 6.0% severe. Also, the risk for moderate-to-severe depression increased in the resident of surgery and emergency medicine programs [8].

In conclusion, depression is one of the main medical issues which is affecting people's life by defect their productivity and living a comfortable life. Globally the disorder affects 5% of world adults and affects women more [1]. Among medical residents, the risk of depression is higher than in the normal population [6]. Among healthcare workers, being female, losing a beloved one, number of night shifts, having surgical specialty experience of fewer than 5 years, or increases in a calendar year are considered risk factors to develop depression. However, we need to address and enhance mental health for medical residents regardless of their spatiality as any part of the community to improve their health, productivity, sustainable development and decrease their absenteeism. For that More study needed to find the risk factors and risky groups for developing depression. Also, further studies need to predict prevent and treat people with depression.

References

- World Health Organization. Depressive disorder (depression). World Health Organization. April 7, 2023. https://www.who.int/news-room/fact-sheets/ detail/depression.
- World Health Organization. Guidelines on mental health at work. World Health Organization. April 7, 2023. https://www.who.int/publications/i/ item/9789240053052.
- Almarhapi SA, Khalil TA. Depression among healthcare workers in North West Armed Forces hospital-Tabuk, Saudi Arabia: Prevalence and associated factors. Ann Med Surg (Lond). 2021 Aug 5;68:102681. doi: 10.1016/j. amsu.2021.102681. PMID: 34401143; PMCID: PMC8355821.
- Abdulrahman M, Nair SC, Farooq MM, Al Kharmiri A, Al Marzooqi F, Carrick FR. Burnout and depression among medical residents in the United Arab Emirates: A Multicenter study. J Family Med Prim Care. 2018 Mar-Apr;7(2):435-441. doi: 10.4103/jfmpc.jfmpc_199_17. Erratum in: J Family Med Prim Care. 2018 Jul-Aug;7(4):839. PMID: 30090790; PMCID: PMC6060937.
- AlYousefi NA, AlRukban MO, AlMana AM, AlTukhaim TH, AlMeflh BA, AlMutairi YO, AlMogheer OS. Exploring the predictors of depression among Saudi adolescents: Time for urgent firm actions. Saudi Med J. 2021 Jun;42(6):673-681. doi: 10.15537/smj.2021.42.6.20200790. PMID: 34078731; PMCID: PMC9149718.
- Mata DA, Ramos MA, Bansal N, Khan R, Guille C, Di Angelantonio E, Sen S. Prevalence of Depression and Depressive Symptoms Among Resident Physicians: A Systematic Review and Meta-analysis. JAMA. 2015 Dec 8;314(22):2373-83. doi: 10.1001/jama.2015.15845. PMID: 26647259; PMCID: PMC4866499.
- Marzouk M, Ouanes-Besbes L, Ouanes I, Hammouda Z, Dachraoui F, Abroug F. Prevalence of anxiety and depressive symptoms among medical residents in Tunisia: a cross-sectional survey. BMJ Open. 2018 Jul 23;8(7):e020655. doi: 10.1136/bmjopen-2017-020655. PMID: 30037867; PMCID: PMC6059333.
- Alshardi A, Farahat F. Prevalence and Predictors of Depression Among Medical Residents in Western Saudi Arabia. J Clin Psychol Med Settings. 2020 Dec;27(4):746-752. doi: 10.1007/s10880-019-09667-7. PMID: 31595403.

Discover a bigger Impact and Visibility of your article publication with Peertechz Publications

Highlights

- Signatory publisher of ORCID
- Signatory Publisher of DORA (San Francisco Declaration on Research Assessment)
- Articles archived in worlds' renowned service providers such as Portico, CNKI, AGRIS, TDNet, Base (Bielefeld University Library), CrossRef, Scilit, J-Gate etc.
- Journals indexed in ICMJE, SHERPA/ROMEO, Google Scholar etc.
- OAI-PMH (Open Archives Initiative Protocol for Metadata Harvesting)
- Dedicated Editorial Board for every journal
- Accurate and rapid peer-review process
- Increased citations of published articles through promotions
- Reduced timeline for article publication

Submit your articles and experience a new surge in publication services (https://www.peertechz.com/submission).

Peertechz journals wishes everlasting success in your every endeayours.

018

Citation: Algahtani MQ (2023) Prevalence and predictive factors of depression among medical health care workers and medical residents. Arch Depress Anxiety 9(1): 017-018. DOI: https://dx.doi.org/10.17352/2455-5460.000074