

Original Article | ISSN (0): 2582-631X

DOI: 10.47857/irjms.2024.v05i04.01410

# Mental Health Challenges among First Responders in India: A Bibliometric Review

Albin Joseph, Tony P Jose\*

Department of Social Sciences, School of Social Sciences and Languages, Vellore Institute of Technology, Vellore, India. \*Corresponding Author's Email: tony.jose@vit.ac.in

#### **Abstract**

First responders in critical care are the trained professionals who offer help at the time of an emergency event, trauma, disaster, accident or injury. As they are working in a stress prone environment, it is critical to ensure adequate psychological aids to cope with mental health challenges among them. The objective of this bibliometric analysis is to explore, map and evaluate the scientific literature related to the mental health of first responders in India in the past twenty years. A total of 424 published articles were extracted from the Scopus database in relation to the proposed study. The extracted data was then analysed by employing the comprehensive bibliometric analysis techniques by using the statistical software "R- Studio," followed by VOS viewer software for mapping and visualization of results. Results revealed the annual growth of publications in the area, most contributing authors, institutions as well as journals. The results of the bibliometric analysis revealed the cumulative trend and nature of the scientific literature in the mental health domain of Indian first responders. The findings of this research can serve as a stepping stone for the future research endeavours related to the optimization of mental health and wellbeing of the first responder community not only in India but also around the globe.

**Keywords:** Bibliometric Analysis, First Responder, Mental Health, Psychological Morbidity.

## Introduction

The population of first responders encompasses physicians and nurses in the critical care as well as emergency departments, fire-fighters, emergency rescue workers, , pain and palliative care workers etc.(1). As they are exposed to potentially traumatic events, risk of developing psychological morbidity and mental health challenges is very high among them (2,3). Studies conducted across various first responder populations have emphasized the higher prevalence of psychological morbidities such as post-traumatic stress disorder (PTSD), burnout, compassion fatigue, anxiety, depression, distress as well as suicidal ideation among frontline healthcare workers as well as emergency service workers in India (4-8). In the past 20 years, there has been a rising trend in the number of research being carried out with respect to the mental health of the first responders (9-11). Studies conducted among frontline healthcare professionals in a tertiary hospital in India showed a higher prevalence rate of depression (42%) (8) and stress level (40%) (12-15). It was revealed that Maintaining work life balance while working in a stress prone environment is very much

challenging especially for those who are employed in emergency departments, trauma care and firefighting (16,17). Cultural characteristics, resource limitations and stigma associated with mental health problems in India is also a critical concern. These societal factors along with the stigma associated with mental health hinder the mental health management among professionals. Most of the professionals are struggling silently, without seeking professional mental health support (13). In addition, as compared to the developed countries, Indian first responders are facing unique socio-economic challenges, such as limited access to psychological healthcare associated with work setting, comparatively lower salaries. understaffed departments, and long working hours and continuous night shift etc. These factors exacerbate the physical and psychological struggle among the first responders (14). This research article tries to analyse and explore the literature about the mental health as well as psychological morbidity among the first

This is an Open Access article distributed under the terms of the Creative Commons Attribution CC BY license (http://creativecommons.org/licenses/by/4.0/), which permits unrestricted reuse, distribution, and reproduction in any medium, provided the original work is properly cited.

(Received 24th June 2024; Accepted 17th October 2024; Published 30th October 2024)

responders in India by means of comprehensive bibliometric analysis. Bibliometric analysis is a scientific method of analysing and mapping the data or information from existing literature on a desired are of research (18). This research article will be discussing the publication trends and pattern, the research journals with remarkable impact in the area of focus, the articles that are extensively cited, contributions per organizations etc. The systematic mapping of available literature by employing the bibliometric analysis can provide a wider and comprehensive view of the scientific literature in the field and which may be useful for the researchers to know the trends and future scope (19). There are several studies in the global literature discussing the mental health of first responders. There is a limited number of studies so far explored in the Indian context. Hence there exists a critical need of conducting research which focuses on the mental health of Indian first responders to promote the wellbeing at work. This bibliometric review may help the researchers to analyse the existing research and to identify the critical areas that have to be explored further to get more insights.

# Methodology

This section explains the systematic procedures as well as the methodology employed for executing the bibliometric analysis of the Indian research on psychological morbidity and mental health among first responders.

#### **Data Source and Search Strategy**

A comprehensive search has been carried out using the relevant keywords in the Scopus data base. The time frame for the search was set from the year 2000 till 6 April 2024.Only the peer reviewed articles from the Scopus data base are considered for this bibliometric review.

Research articles are considered for the analysis if they meet the following criteria (Inclusion Criteria);

- Published in a peer-reviewed Scopus indexed source or journal.
- Published in English language.
- Focus on the mental health of first responders working in India.
- Articles will be excluded if they (Exclusion Criteria);
- Are not published in the English language.
- Do not focus on first responder's mental health in the Indian context.

The search string used for the search in the Scopus database is as follows: TITLE-ABS-KEY (doctors OR nurses OR emergency OR nurse OR "emergency physician" OR "critical care nurse" OR "fire fighters" AND India AND anxiety OR stress OR depression OR PTSD OR burnout OR "Compassion Fatigue") AND PUBYEAR > 2000 AND PUBYEAR < 2024.

#### **Data Selection**

The initial search in the Scopus database has resulted in 810 studies. The obtained data set was then downloaded and saved. This data set was again screened by both the authors independently and refined the list of studies. Finally, after excluding a total of 386 studies which were irrelevant, a total of 424 studies were included for the analysis. Figure 1 shows the flow diagram of the selection of studies.

#### **Data Analysis and Visualization**

All the relevant bibliometric information such as, publication trends, citations analysis, author contribution, keyword analysis etc. were carried out using the software named "R-Studio "followed by "VOS viewer" software for mapping and visualization of results. R-studio is used for extensive data analysis. The bibliometric analysis is performed using the web package named "Biblioshiny" in R studio for the comprehensive mapping as well as scientiometric analysis of literature (20). The Vosviewer application is used to analyse and map the citation as well as keyword discussed in the study (21).

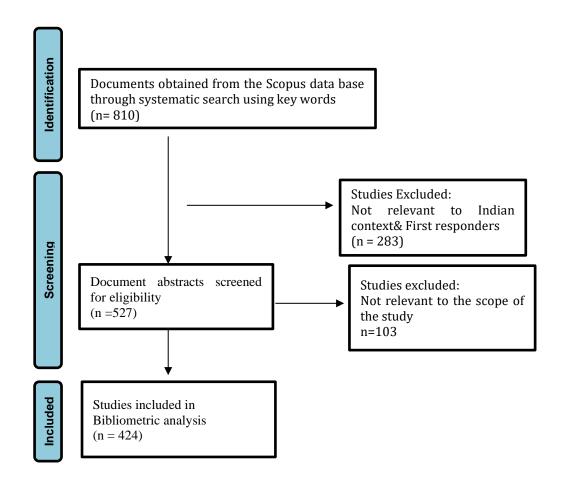
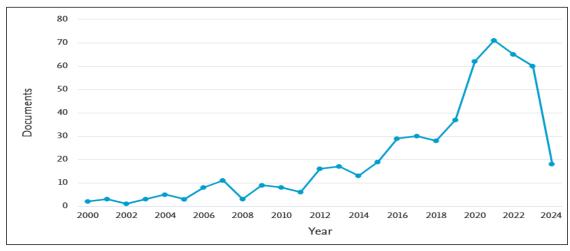


Figure 1: Flow Diagram of Selection and Inclusion of Studies in the Bibliometric Analysis



**Figure** 2: Graphical Representation of the Annual Scientific Production Over the Years Relating to The Mental Health and Psychological Morbidity of the First Responders

# **Results**

## **Publication Trends**

A systematic bibliometric analysis of scientific literature related to the mental health and psychological morbidity of Indian first responders showed a total of 424 documents published across

different sources .The documents mainly consisted of research articles (n=325). Followed by reviews (n=37), conference papers (n=15), letters (n=14), book chapters (n=12), editorial (n=9), notes (n=8) and short survey (n=4). The analysis of annual scientific production of the works in the area

shows a steep inclination from 2010 till 2024 as shown in Figure 2.

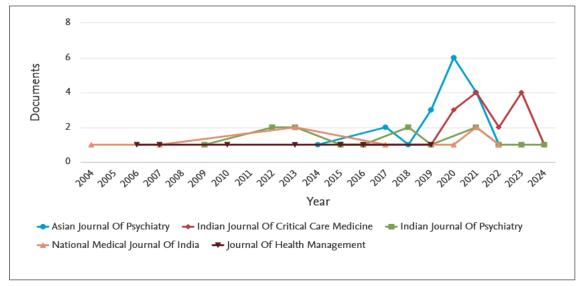
# **Most Relevant Journals**

Analysis of the literature over the past twenty years revealed that "Asian journal of psychiatry" as the most prolific journal with regard to the publications in the proposed area of research(n=18). The other significant journals

include "Indian journal of critical care medicine" (n=16) followed by the "Indian journal of psychiatry" (n=15). The h-index as well as citations of documents published in the top journals in the area of mental health of first responders is given in Table 1. The graphical representation of the article count per year across the top prolific sources or journals are given in Figure 3.

Table 1: Most Relevant Sources

Source	Documents	h Index	<b>Total Citations</b>
"Asian Journal of Psychiatry"	18	9	224
"Indian Journal of Critical Care Medicine"	16	6	346
"Indian Journal of Psychiatry"	15	7	168
"PLOS one"	7	6	174
"Journal of Health Management"	7	5	87
"National Medical Journal of India"	7	4	71
"Indian Journal of Occupational And Environmental Medicine"	6	4	40
"Indian Journal of Psychological Medicine"	6	3	60
"BMJ Open"	5	3	86
"Indian Journal of Community Medicine"	4	4	39



**Figure 3:** Documents Published by the Top Relevant Journals in the Area of Mental Health of First Responders

#### **Most Cited Articles**

The bibliometric analysis results of the most cited articles revealed that during and after the "covid - 19" pandemic, the mental wellbeing and psychological problems of the first responders were more discussed and studied. The most cited article "A multinational, multicentre study on the psychological outcomes and associated physical

symptoms amongst healthcare workers during COVID-19 outbreak" (22) was having 1091 citations followed by the article "Burnout among healthcare workers during COVID-19 pandemic in India: Results of a questionnaire-based survey" (23) with 175 citations. The articles with higher number of citations and its details are given in Table 2.

Table 2: The Most Cited Articles with Respect to the Mental Health of First Responders in India

Paper	Journal	Total	Title
		Citations	
Chew NW.	Brain	1091	"A multinational, multicentre study on the psychological
2020 (22)	behavior and Immunity		outcomes and associated physical symptoms amongst healthcare workers during COVID-19 outbreak"
Khasne RW.	Indian	175	"Burnout among healthcare workers during COVID-19
2020(23)	journal of critical care medicine		pandemic in India: Results of a questionnaire-based survey"
Suryavansi	Brain and	137	
N.	behavior		"Mental health and quality of life among healthcare
2020(24)			professionals during the COVID-19 pandemic in India.
Jose S.	Indian	95	Burnout and resilience among frontline nurses during
2020(25)	journal of		covid-19 pandemic: A cross-sectional study in the
	critical care medicine		emergency department of a tertiary care centre, north India"
Grover	Indian	74	"Psychological problems and burnout among medical
S. 2018(26)	Journal of Psychiatry		professionals of a tertiary care hospital of North India: A cross-sectional study"
Amin A	Indian	45	"Perceived Stress and Professional Quality of Life in
.2015(27)	Journal of		Neonatal Intensive Care Unit Nurses in Gujarat, India"
	Paediatrics		
Saini NK.	Indian		
2010 (28)	journal of	42	"Prevalence of stress among resident doctors working in
	critical care medicine		Medical Colleges of Delhi".

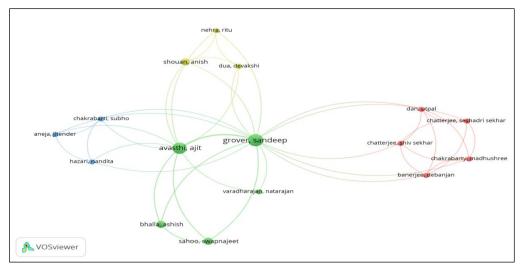
## **Most Productive Authors**

Author production analysis revealed that Grover, S (N=6) leads the list followed by Avasthi A K (n=5), Kukreti, P, and Raghuveer, P. (n=5). Dhandapani, M

and Joseph, B were the other major contributors in the list (n=4). Top contributing author's name, number of documents citations as well as affiliations are depicted in Table 3.

**Table 3:** Top Contributing Authors

Author	Documents	Citations	Affiliation
Grover S.	6	187	"Postgraduate Institute of Medical Education & Research, Chandigarh"
Avasthi AK.	5	146	"Postgraduate Institute of Medical Education & Research, Chandigarh"
Kukreti P.	5	54	"Lady Hardinge Medical College, Delhi"
Raghuveer P.	5	56	"National Institute of Mental Health and Neuro Sciences, Bengaluru, India"
Dhandapani M.	4	114	"Postgraduate Institute of Medical Education & Research, Chandigarh"
Joseph B.	4	79	"St. John's Medical College, Bengaluru, India"



**Figure 4**: Showing the Association among the Top Authors Who has Published the Documents in The Area of Mental Health among First Responders in India

The bibliometric mapping was also done using the VOS viewer software, the association between the authors and their collaborations are obtained from this analysis. It is diagrammatically represented in Figure 4.There were mainly four clusters showing the collaborative connection between the authors. The Author named Grover, S followed by Avasthi, A dominated in the network with more number of associations.

#### **Most Relevant Affiliations**

This study also analysed the most relevant institutions based on the documents published under each institution. It was fond that "All India

Institute of Medical Sciences", New Delhi was leading the list (n=30) followed by "Postgraduate Institute of Medical Education & Research", Chandigarh (n=28). While considering the citations, "Postgraduate Institute of Medical Education & Research" was dominant in the list with 463 citations followed by "National Institute of Mental Health and Neuro Sciences" having 306 cited articles in the area of mental health and psychological morbidity among the first responders in India. The relevant institutions, Number of documents as well as the citation count are provided in Table 4.

**Table 4:** Top Contributing Institutions

Tuble 1. Top dont ibuting institutions		m . 1 al!
Institution	Documents	Total Citations
All India Institute of Medical Sciences, New Delhi	30	203
Postgraduate Institute of Medical Education & Research	, 28	463
Chandigarh		
National Institute of Mental Health and Neuro Sciences	23	301
Manipal Academy of Higher Education	12	52
Christian Medical College, Vellore	11	119
King's College London	10	89
Kasturba Medical College, Manipal	10	26
Dr. Ram Manohar Lohia Hospital	9	87
UNSW Sydney	9	89
George Institute for Global Health	9	140
St. John's Medical College	8	97

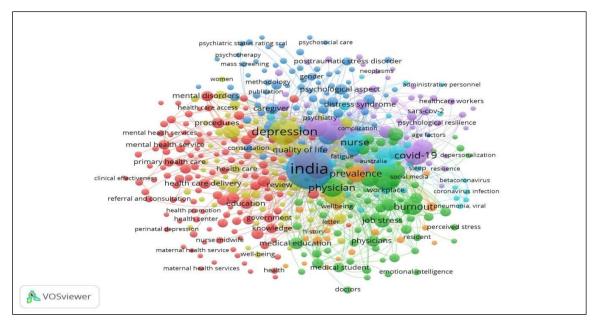
# **Analysis of the Key Words**

Key words are the terms used in the research to encapsulate the main concepts, area and themes of the study. Analysing the key terms is beneficial to know and evaluate the trend as well as the research hotspots in a broad area of research. The

analysis of the key terms was executed in this study using the VOS viewer software and the diagrammatic representation of the output is given in Figure 5. It was found that the term "India" was the most relevant key word with most number of occurrences(n=322) followed by the term

"depression"(n=136), "cross sectional study" (n=116), "anxiety" (n=99), "Covid -19" (n=82), nurse (n=82) and the term Burnout (n=56) the

term "job stress" and "physicians" occurred 36 times and 26 times respectively.



**Figure 5:** Visualization of the Network of The Major Key Terms in Relation With the Mental Health As Well As the Psychological Morbidity Among The Indian First Responders

# **Discussion**

This research outlines the scientiometric analysis of the existing literature in the domain of psychological health of the first responders in India. The findings of the bibliometric analysis suggest a growing trend in understanding the mental health challenges among the first responders. With reference to the studies which have highlighted the prevalence of the mental health challenges among the frontline first responders in India (29,30), it is critical to address these problems and take initiatives to prioritize the mental wellbeing of these frontline workers at the organizational level. In the global literature, there are studies highlighting the need as well as effectiveness of mental health interventions to ensure psychological health and wellbeing of first responders in various contexts (31,32). In the Indian context such studies are limited. The objective of this bibliometric research was to analyse and evaluate the existing literatures comprehensively by mapping the publication trends, top authors, most relevant journals, top contributing institutions as well as the analysis of major key terms with respect to the mental health as well as psychological morbidity among the Indian first responders. It was found that there was a significant rise in scientific production over the

past 20 years, indicating a growing research interest in the mental wellbeing of Indian first responders. Grover, S was found to be the leading author in the domain with six documents and 187 citations.

"Asian journal of psychiatry" was found to be the most prolific journal followed by "Indian journal of critical care medicine" and "Indian journal of psychiatry". The analysis also revealed that the institutions such as "All India institute of medical sciences" followed by "Postgraduate Institute of Medical Education & Research" and "National Institute of Mental Health and Neuro Sciences" as leading contributors in this domain. "India" was the most relevant key word with most number of occurrences in the research articles followed by the term "depression, "cross sectional study", "anxiety", "Covid -19", "nurse", "burnout", "job stress" and "physicians" leading in the list of most occurred key words. These key terms reflects the potential focus areas in the research of mental health among the first responders in India. Although the basic difficulties of stress and trauma among first responders are being explored globally, it is important to place these issues in the context of India. Indian first responders have particular difficulties, such as persistent labour

scarcity, Irregular work shifts, insufficient resources for mental health support, and social stigma that prevents seeking professional assistance for mental health management, etc. These factors lead to elevated stress and trauma levels, along with the other stressors at work (14). The absence of adequate mental health support system is a crucial factor exacerbating the psychological issues faced by Indian first responders. First responders sometimes have to handle stressful circumstances and traumatic events without the help of professionals due to a lack of support networks, which may worsen mental health issues. To overcome these obstacles, a comprehensive effort must be made to improve the mental health care and encourage societal changes that support mental health treatment (33). This study's significance lies in its potential to analyse the knowledge gaps and to execute future research on adequate mental health interventions such as mindfulness-based interventions to optimize the mental health and to build resilience among the Indian first responders (34). Overall, this bibliometric research of the articles in the field of mental health and psychological morbidity among the Indian first responders is a significant source of reference for the future research.

# **Future Research Directions**

Insights from this current study can be used as reference point for carrying out more research in the future as prioritizing mental health in the workplace is a significant concern today. Longitudinal studies that explore and evaluate the long-term effectiveness of different mental health interventions among the community of first responders should be done to understand and implement the psychological interventions to alleviate distress among first responders. Furthermore, in-depth qualitative researches are essential to delve into individual experiences and coping strategies against stressors at work. Finally. research should explore the potential benefits and scope of implementing technology driven mental support system through apps and online modalities to fill the gap of inadequate psychological support system among the first responder community.

#### Conclusion

Optimization of mental health is a significant concern among the population of first responders

who are predominantly exposed to stressful events and trauma. This systematic bibliometric analysis serves as a reference to the research hotspots in the domain of first responder's mental health and underscores the scopes and insights for further exploration and understanding of the factors impacting the mental well-being of first responders in India.

#### **Abbreviation**

PTSD: Post Traumatic Stress Disorder.

# Acknowledgement

Nil.

#### **Author Contributions**

Albin Joseph: Conceptualization, Methodology, Software, Investigation, Resources, Data curation, original draft preparation. Tony P Jose: Conceptualization, Supervision, Review.

#### **Conflicts of Interest**

The authors declared no potential conflicts of interest associated with this research.

# **Ethics Approval**

Ethical approval is not required for this research as this research analyses existing literature without collecting new data or involving human subjects directly.

## **Funding**

Nil.

#### References

- 1. Jones S. Describing the Mental Health Profile of First Responders: A Systematic Review. J Am Psychiatr Nurses Assoc. 2017 May 1;23(3):200–14.
- Bhagwagar H. Secondary trauma, burnout and resilience among mental health professionals from India: A review of research. Asian J Psychiatr. 2022 Oct 1;76:103227.
- 3. Kshtriya S, Kobezak HM, Popok P, Lawrence J, Lowe SR. Social support as a mediator of occupational stressors and mental health outcomes in first responders. J Community Psychol. 2020 Sep 1;48(7):2252–63.
- 4. Singh J, Sood M, Chadda RK, Singh V, Kattula D. Mental health issues and coping among health care workers during COVID19 pandemic: Indian perspective. Asian J Psychiatr. 2021 Jul 1;61:102685.
- 5. Grover S, Sahoo S, Bhalla A, Avasthi A. Psychological problems and burnout among medical professionals of a tertiary care hospital of North India: A cross-sectional study. Indian J Psychiatry. 2018 Apr 1;60(2):175–88.
- Sharma G, Sharma P, Mohan B, Agarwal A, Lama S, Jat M, et al. Prevalence of psychological outcomes and its associated factors in healthcare personnel working during COVID-19 outbreak in India. Indian J Psychiatry. 2022;64(2):151.

7. Joshi G, Sharma G. Burnout: A risk factor amongst mental health professionals during COVID-19. Asian J Psychiatr. 2020 Dec 1;54:102300.

- 8. Palod RJ, Joshi MM, Kumar R, Ligade VS. Suicide and suicidal ideation in the times of the Covid-19 pandemic: A scientometric analysis. Indian J Psychiatry. 2022 Sep 1;64(5):497–504.
- 9. Syed S, Ashwick R, Schlosser M, Jones R, Rowe S, Billings J. Global prevalence and risk factors for mental health problems in police personnel: A systematic review and meta-analysis. Occup Environ Med. 2020 Nov 1;77(11):737–47.
- Bentley MA, Crawford J Mac, Wilkins JR, Fernandez AR, Studnek JR. An assessment of depression, anxiety, and stress among nationally certified EMS professionals. Prehospital Emerg Care. 2013 Jul;17(3):330-8.
- 11. Rajasekar G, Krishnan R. Mental Health of Medical Practitioner. Indian J Psychol Med. 2021 Jul 1;43(4):279–85.
- 12. Saravanabavan L, Sivakumar MN, Hisham M. Stress and burnout among intensive care unit healthcare professionals in an Indian tertiary care hospital. Indian J Crit Care Med. 2019;23(10):462–6.
- 13. Gaiha SM, Taylor Salisbury T, Koschorke M, Raman U, Petticrew M. Stigma associated with mental health problems among young people in India: a systematic review of magnitude, manifestations and recommendations. BMC Psychiatry. 2020 Dec 1;20(1):1–24.
- Kesarwani V, Husaain Z, George J. Prevalence and factors associated with burnout among healthcare professionals in India: A systematic review and meta-analysis. Indian J Psychol Med. 2020 Mar 1:42(2):108–15.
- 15.Wilson W, Raj JP, Rao S, Ghiya M, Nedungalaparambil NM, Mundra H, et al. Prevalence and Predictors of Stress, anxiety, and Depression among Healthcare Workers Managing COVID-19 Pandemic in India: A Nationwide Observational Study. 2020 Jul 6;42(4):353–8.
- McDonald MA, Meckes SJ, Lancaster CL. Compassion for Oneself and Others Protects the Mental Health of First Responders. Mindfulness (N Y). 2021 Mar 1;12(3):659-71.
- 17. Dyal MAA, Smith TD, DeJoy DM, Moore BA. Occupational Stress and Burnout in the Fire Service: Examining the Complex Role and Impact of Sleep Health. 2021 Aug 25;46(2):374–94. https://doi.org/101177/01454455211040049
- 18.Manoj Kumar L, George RJ, P.S A. Bibliometric Analysis for Medical Research. Indian J Psychol Med. 2023 May 1;45(3):277–82.
- 19. Ellegaard O. The application of bibliometric analysis: disciplinary and user aspects. Scientometrics. 2018 Jul 1;116(1):181–202.
- 20. Derviş H. Bibliometric analysis using bibliometrix an R package. Journal of scientometric research. 2019 Sep;8(3):156-60.
- 21. Van Eck N, Waltman L. Software survey: VOS viewer, a computer program for bibliometric mapping. Scientometrics. 2010 Dec 31; 84(2):523-38.

- 22. Chew NW, Lee GK, Tan BY, Jing M, Goh Y, Ngiam NJ et al. A multinational, multicentre study on the psychological outcomes and associated physical symptoms amongst healthcare workers during COVID-19 outbreak. Brain Behav Immun. 2020 Aug 1;88:559–65.
- 23. Khasne RW, Dhakulkar BS, Mahajan HC, Kulkarni AP. Burnout among Healthcare Workers during COVID-19 Pandemic in India: Results of a Questionnaire-based Survey. Indian J Crit Care Med. 2020;24(8):664–71.
- 24. Suryavanshi N, Kadam A, Dhumal G, Nimkar S, Mave V, Gupta A, et al. Mental health and quality of life among healthcare professionals during the COVID-19 pandemic in India. Brain Behav. 2020 Nov 1;10(11):e01837
- 25. Jose S, Dhandapani M, Cyriac MC. Burnout and Resilience among Frontline Nurses during COVID-19 Pandemic: A Cross-sectional Study in the Emergency Department of a Tertiary Care Center, North India. Indian J Crit Care Med. 2021 Feb 17;24(11):1081–8.
- 26. Grover S, Sahoo S, Bhalla A, Avasthi A. Psychological problems and burnout among medical professionals of a tertiary care hospital of North India: A cross-sectional study. Indian J Psychiatry. 2018 Apr 1;60(2):175–88.
- 27. Amin AA, Vankar JR, Nimbalkar SM, Phatak AG. Perceived Stress and Professional Quality of Life in Neonatal Intensive Care Unit Nurses in Gujarat, India. Indian J Pediatr. 2015 Nov 1;82(11):1001–5.
- 28. Saini NK, Agrawal S, Bhasin SK, Bhatia MS, Sharma AK. Prevalence of stress among resident doctors working in Medical Colleges of Delhi. Indian J Public Health. 2010 Oct;54(4):219–23.
- 29. Khanam A, Dar SA, Wani ZA, Shah NN, Haq I, Kousar S. Healthcare Providers on the Frontline: A Quantitative Investigation of the Stress and Recent Onset Psychological Impact of Delivering Health Care Services During COVID-19 in Kashmir. Indian J Psychol Med. 2020 Jul 1;42(4):359–67.
- 30.Bhutani J, Bhutani S, Balhara YPS, Kalra S. Compassion fatigue and burnout amongst clinicians: A medical exploratory study. Indian J Psychol Med. 2012 Oct 1;34(4):332–7.
- 31. Winders WT, Bustamante ND, Garbern SC, Bills C, Coker A, Trehan I, et al. Establishing the Effectiveness of Interventions Provided to First Responders to Prevent and/or Treat Mental Health Effects of Response to a Disaster: A Systematic Review. Disaster Med Public Health Prep. 2021 Feb 1;15(1):115–26.
- 32. Alden LE, Matthews LR, Wagner S, Fyfe T, Randall C, Regehr C, et al. Systematic literature review of psychological interventions for first responders. Work Stress. 2021;35(2):193–215.
- 33. Padmavati R. Community mental health care in India. Int Rev Psychiatry. 2005 Apr;17(2):103–7.
- 34. Joseph A, Jose TP. Coping with Distress and Building Resilience among Emergency Nurses: A Systematic Review of Mindfulness-based Interventions. Indian J Crit Care Med. 2024 Jul 31;28(8):785–91.