Peer Review Report

Review Report on A national multi-center study on mental health impact and associated factors in Chinese Healthcare Workers one year after the initial COVID-19 outbreak

Original Article, Int J Public Health

Reviewer: Hassan Dib
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EVALUATION

Q 1 **Please summarize the main findings of the study.**

This paper address the appearance of mental health among HCW one year post COVID pandemic.

Q 2 **Please highlight the limitations and strengths.**

The limitations of this study is the bia that is the result not answering the real truth because of the security and fear from being punished job wise if they tell the truth. So how the authors eliminated the biasness unknown. The strength of this study is that they chose participants from seven regions from China and the sample was sufficient to provide statistical significance.

Q 3 **Please provide your detailed review report to the authors. The editors prefer to receive your review structured in major and minor comments. Please consider in your review the methods (statistical methods valid and correctly applied (e.g. sample size, choice of test), is the study replicable based on the method description?), results, data interpretation and references. If there are any objective errors, or if the conclusions are not supported, you should detail your concerns.**

After reading “A national multi-center study on mental health impact and associated factors in Chinese Healthcare Workers one year after the initial COVID-19 outbreak,” which shows it is an interesting research article after one year of COVID appearance. However, I have few comments that could enhance that the authors need to address:

Background: good
Method: good
but I will recommend to include a map on it included and excluded participants and List on the map gender distribution F:M. Readers will find it easy to understand the behind of recruitments and participation
Statistical analysis: good

Discussion:
Page 5 Line 174-176 review that paragraph from structure point of view.

Table 2
If you notice for the question about “the reason why they went to Wuhan:: those who participated in fighting COVID was very low in number, however, from the media shows a lot were mobilized to Wuhan of HCW. The authors should address this very low number
PPE unavailability probably has contributed in raising more anxiety, depression, fear own for life. The authors didn’t mention this in their analysis and discussion.

The question about “facing Violence and the implication of mental health and the profession” the authors should elaborate more on this point and how to recommendations from happening within health facilities whether during outbreak or no outbreak still exists and still occurring

The question about “As a health worker, I feel humiliated or discriminated due to the new COVID-19” epidemic, this question not understood well . Discriminated and humiliated from patients and relatives or from how they have been treated as a HC from the administration point of view. The authors should explain and elaborate more on this issue
The question about “The pandemic affected the family's financial situation” this has a big contribution to the mental health because raising future uncertainties among the HCW. Need more elaboration on this point.

Last point about this research paper is the purpose of this paper how it could benefit the scientific community and the health policy they should put forward for health policy makers and the health facilities executives

PLEASE COMMENT

Q 4 **Is the title appropriate, concise, attractive?**

yes it is concise and among many artciles publih about mental health facing HCW whether during pandemic or in the basence of pandemic

Q 5 **Are the keywords appropriate?**

yes

Q 6 **Is the English language of sufficient quality?**

need a bit editing here and there throughout the manuscript

Q 7 **Is the quality of the figures and tables satisfactory?**

Yes.

Q 8 **Does the reference list cover the relevant literature adequately and in an unbiased manner?)**

yes

QUALITY ASSESSMENT

Q 9 **Originality**

Q 10 **Rigor**

Q 11 **Significance to the field**

Q 12 **Interest to a general audience**

Q 13 **Quality of the writing**

Q 14 **Overall scientific quality of the study**

REVISION LEVEL

Q 15 **Please make a recommendation based on your comments:**

Minor revisions.