

Peer Review Report

Review Report on Impact of insomnia on burnout among Chinese nurses under the regular COVID-19 epidemic prevention and control: Parallel mediating effects of anxiety and depression

Original Article, Int J Public Health

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EVALUATION

Q 1 Please summarize the main findings of the study.

The researchers studies the influence of work stress during the COVID epidemic that led to burnout then to anxiety and depression then to insomnia and cycling in the opposite direction. They tried to relate which influence first and lead to the latter

Q 2 Please highlight the limitations and strengths.

there are many limitations of this study

They didn't study the influence if age, gender, level of education level of expertise, the level of the hospital, urban or rural hospitals.

The strength is that addressed this topic only

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 and gong over this paper" Impact of insomnia on burnout among Chinese nurses under the regular COVID-19 epidemic prevention and control: Parallel mediating effects of anxiety and depression" there are couple questions I will like to address couple issues to the authors to clarify them before it is recommended for publication.

1. How the authors obtained all the nurses' addresses in Jiangsu? Need to state it in the paper (Nurses association, syndicate etc.)

2. In the inclusion criteria the authors mentioned the first one is lack of dyslexia (not sure why??) need to clarify it.

3. It is essential to know which provoke the other. So what leads to insomnia – negative work pressure– leading to anxiety & depression – leading to burnout? This is the most logical route of the whole process. Anxiety and Depression as a result of any work related stress and worrisome from the work setting (threats, work danger, toxic work environment) will lead to anxiety & depression, which in return leads to Insomnia and burnout and then it is a reversible process and because of the continuous burnout the intensity of the Anxiety and Depression increases leading to more insomnia. It is a continuous cycle.

4. There is a lack of illustration about the gender impact on this study. i.e., whether males can deal better than females or not with anxiety, depression and burnout leading to insomnia and the reverse?

5. Also, age is another factor where older experienced nurses can deal much better with the work pressure than the younger generation
6. Whether the rural nurses have less suffering from the mental cycle (if so we speak) than the urban nurses
7. Level and years of training (experience in infectious diseases)

So all these factors that are mentioned have the influence on the ability of nurses if sustaining good mental health but seems in this research paper lacking these confounding factors.

8. Would like to see the online questionnaires need to put in the supplement file.
9. You should provide the demographics in the main document Such as age, gender, years of experience, years of education, location of nurses (rural and urban areas) etc.
10. What type of hospitals levels (tertiary, secondary or primary hospitals these nurses working within them and suffering these mental cycles.

PLEASE COMMENT

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

It is a distracting title because not sure whether writing about Covid-19 or stress related work leading to mental health

Q 5 → Are the keywords appropriate?

yes

Q 6 → Is the English language of sufficient quality?

yes

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:

Major revisions.
