

## Review Form 1.6

Journal Name:	<a href="#">Journal of Education, Society and Behavioural Science</a>
Manuscript Number:	Ms_JESBS_85186
Title of the Manuscript:	<b>Assessing the Psychological Burden of Covid-19 on Frontline Healthcare Personnel in the Northern Regions of Ghana</b>
Type of the Article	<b>Original Research Article</b>

### **General guideline for Peer Review process:**

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<https://www.journaljesbs.com/index.php/JESBS/editorial-policy> )

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**PART 1: Review Comments**

	<b>Reviewer's comment</b>	<b>Author's comment</b> (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<b>Compulsory</b> REVISION comments	Dear Authors,	
<b>Minor</b> REVISION comments	Thank you for the opportunity to review the manuscript “ Assessing the Psychological Burden of Covid-19 on Frontline Healthcare Personnel in the Northern Regions of Ghana”	
<b>Optional/General</b> comments	<p>I make the following recommendations to improve the manuscript:</p> <ul style="list-style-type: none"> <li>• Please change „covid-19” to „COVID-19)</li> <li>• <b>TITLE:</b> Please change: “ Assessing the Psychological Burden of Covid-19 on Frontline Healthcare Personnel in the Northern Regions of Ghana” to “ The psychological impact of COVID-19 on Frontline Healthcare Workers in the Northern Regions of Ghana”</li> <li>• <b>ABSTRACT:</b> <ul style="list-style-type: none"> <li>○ The abstract should be concise and informative. It should not exceed 300 words in length. It should briefly describe the purpose of the work, techniques and methods used, major findings with important data and conclusions. Generally, non-standard abbreviations should not be used, if necessary they should be clearly defined in the abstract, at first use.</li> <li>○ Please edit the aim of the research. Briefly mention the main aim of the work and then write the specific aim.</li> <li>○ Please edit the study desing, place and duration of study, methodology. For example:           <ul style="list-style-type: none"> <li>▪ A total of (please write the number of caregivers) frontline health personnel working out in five Regions of Ghana ( Northern, Savannah, North East, Upper East and Upper West region) participated in the study.</li> <li>▪ The study was conducted with the diagnostic survey method, using Zarit burden interview scale and a questionnaire of our authorship.</li> </ul> </li> <li>○ Please show the most important results and conclusion.</li> <li>○ <b>Key words:</b> COVID-19, frontline health workers, psychological effects, Ghana, burden</li> </ul> </li> <li>• <b>INTRODUCTION:</b> <ul style="list-style-type: none"> <li>○ The introduction should briefly place the study in a broad context and highlight why it is important. The current state of the research field should be reviewed carefully and key publications cited.</li> <li>○ Please focuse on psychological impact of COVID-19 on Frontline Healthcare Workers.</li> <li>○ It seems that the authors of the manuscript should update the list of literature. Please add more recent references for example:           <ul style="list-style-type: none"> <li>▪ Panda PK, Gupta J, Chowdhury SR, Kumar R, Meena AK, Madaan P, Sharawat IK, Gulati S. Psychological and Behavioral Impact of Lockdown and Quarantine Measures for COVID-19 Pandemic on Children, Adolescents and Caregivers: A Systematic Review and Meta-Analysis. J Trop Pediatr. 2021 Jan 29;67(1):fmaa122. doi: 10.1093/tropej/fmaa122. PMID: 33367907; PMCID: PMC7798512.</li> <li>▪ Gómez-Ochoa SA, Franco OH, Rojas LZ, Raguindin PF, Roa-Díaz ZM, Wyssmann BM,</li> </ul> </li> </ul> </li> </ul>	

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	<p>Guevara SLR, Echeverría LE, Glisic M, Muka T. COVID-19 in Health-Care Workers: A Living Systematic Review and Meta-Analysis of Prevalence, Risk Factors, Clinical Characteristics, and Outcomes. <i>Am J Epidemiol.</i> 2021 Jan 4;190(1):161-175. doi: 10.1093/aje/kwaa191. Erratum in: <i>Am J Epidemiol.</i> 2021 Jan 4;190(1):187. PMID: 32870978; PMCID: PMC7499478.</p> <ul style="list-style-type: none"><li>▪ Krishnamoorthy Y, Nagarajan R, Saya GK, Menon V. Prevalence of psychological morbidities among general population, healthcare workers and COVID-19 patients amidst the COVID-19 pandemic: A systematic review and meta-analysis. <i>Psychiatry Res.</i> 2020 Nov;293:113382. doi: 10.1016/j.psychres.2020.113382. Epub 2020 Aug 11. PMID: 32829073; PMCID: PMC7417292.</li><li>▪ Cooke JE, Eirich R, Racine N, Madigan S. Prevalence of posttraumatic and general psychological stress during COVID-19: A rapid review and meta-analysis. <i>Psychiatry Res.</i> 2020 Oct;292:113347. doi: 10.1016/j.psychres.2020.113347. Epub 2020 Jul 31. PMID: 32763477; PMCID: PMC7392847.</li><li>▪ Ofori AA, Osarfo J, Agbeno EK, Manu DO, Amoah E. Psychological impact of COVID-19 on health workers in Ghana: A multicentre, cross-sectional study. <i>SAGE Open Med.</i> 2021 Mar 12;9:20503121211000919. doi: 10.1177/20503121211000919. PMID: 33786183; PMCID: PMC7958156.</li><li>▪ Arthur-Mensah R, Paintsil GP, Agudu Delali A, Kyei AA. Mental Health Outcomes and Mental Hygiene in the COVID-19 Era: A Cross-Sectional Study Among Healthcare Workers from a Regional Hospital in Ghana. <i>Psychol Res Behav Manag.</i> 2022 Jan 6;15:21-30. doi: 10.2147/PRBM.S337740. PMID: 35027851; PMCID: PMC8749047.</li></ul> <ul style="list-style-type: none"><li>• <b>MATERIALS AND METHODS:</b><ul style="list-style-type: none"><li>○ Please edit the study area, measures, data collection. For example:</li><li>○ <i>Settings and Design</i><ul style="list-style-type: none"><li>▪ A diagnostic survey method utilizing a questionnaire technique was used to assess the levels of the psychological impact of COVID-19 of frontline health workers.</li><li>▪ Due to the COVID-19 pandemic to minimize contact with other people, potential respondents were invited via email to participate in the study. Volunteers completed the survey questionnaires via an online platform (<a href="https://docs.google.com/">https://docs.google.com/</a> (accessed on )).</li><li>▪ Please add the information: „Data were collected between..”</li><li>▪ Respondents were recruited from among five Regions of Ghana, namely Northern, Savannah, North East, Upper East and Upper West region.</li><li>▪ Research Instruments:<ul style="list-style-type: none"><li>• Standardized survey instruments were used to assess the psychological impact of COVID-19 of frontline health workers:</li><li>• The instrument description should include the psychometric properties and the reference to the validation studies for the FHP.</li></ul></li></ul></li><li>○ It seems necessary to clarify how the representative sample was calculated and to make a flowchart</li></ul></li></ul>	
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	<p>of the enrollment of respondents and study procedures.</p> <ul style="list-style-type: none"> <li>○ Please add the reasons of inclusion and exclusion respondents</li> <li>○ Please add sentence: „The study was conducted according to the guidelines of the Declaration of Helsinki and approved by the Ethics Committee of the ...”.</li> </ul> <ul style="list-style-type: none"> <li>• <b>Results and Discussions</b> <ul style="list-style-type: none"> <li>○ Please add the information about frontline health workers (age, gender, education etc.)</li> <li>○ Please decide how you write: „frontline health personnel (FHP)/caregivers” maybe choose only frontline health personnel?</li> <li>○ Table: Please make this table more easier to read. Please add the legends of table and explain the abbreviation. This helps interpret the meaning of the underlying results.</li> <li>○ Please add the correct reference in sentence</li> <li>○ Each of the results should be mentioned in more depth, indicating references.</li> <li>○ Maybe first: write the information about FHP, then about burden of frontline health personnel, ZBI score, Association of Severity of Burden and Caregivers Factors?</li> <li>○ Table 2: Religion should be bold</li> <li>○ Figure 1: is necessary? You have there three figure.</li> </ul> </li> <li>• <b>REFERENCE:</b> <ul style="list-style-type: none"> <li>▪ Please check the Instructions for Authors. References should be described as follows, depending on the type of work</li> <li>▪ Please change, reference numbers should be placed in square brackets [ ].</li> </ul> </li> </ul>	
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**PART 2:**

	Reviewer’s comment	Author’s comment <i>(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<b>Are there ethical issues in this manuscript?</b>	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

**Reviewer Details:**

Name:	<b>Anna Maria Cybulska</b>
Department, University & Country	<b>Pomeranian Medical University, Poland</b>