Reviewer’s report

Title: Global prevalence of cardiometabolic risk factors in the military population: a systematic review and meta-analysis

Version: 0 Date: 04 Nov 2019

Reviewer: Pedro Paulo Da Silva Soares

Reviewer's report:

The study provides a revision, meta-analysis, on the prevalence of overweight, obesity and metabolic syndrome in military population. Several studies were included based on criteria that is in accordance with the im of the work and the methods employed. The study seems to be correctly conducted, has an acceptable number of articles investigated and the use of tools of research and selection.

The findings provide data from several countries were and show that overweight, obesity and some risk factors are prevalent among military personal sometimes in a higher proportion than in the general population. However, among those with higher physical activity levels Pre-HTN and HTN are lower. This is somehow expected since physical activity plays a key role on METs.

However, this fact,or was not considered directly in the study. So do the authors believe the results show an overall military with low physical activity levels?

Depending on the position administrative or operational, combat pilots and logistics for example, might have different training programs or routines. How do the authors consider these conditions? Is the military population homogeneous? It is comparable to general population? Please give us some discussion on this.

Item 5 on Table 5 seems to be the one with repetitive answers N. What is the impact of this on the data interpretation

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

Yes

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

Yes

Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.

Yes
Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I recommend additional statistical review

Quality of written English
Please indicate the quality of language in the manuscript:

Acceptable

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