

Peer Review Report

Review Report on Association between disability and suicide mortality in the Spanish community-dwelling adult population. A population-based follow-up study

Original Article, Int J Public Health

Reviewer: Reviewer 1

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EVALUATION

Q 1 Please summarize the main findings of the study.

This study used a large sample to examine an interesting question, especially the longitudinal suicide mortality curve.

Q 2 Please highlight the limitations and strengths.

This study had a large sample size and was a cohort study. But it has major defects.

1. Despite a large sample size, it cannot guarantee the stable estimation of suicide mortality in specific populations, as shown by the wide 95% confidence intervals. This made it hard to examine the proposed research question.

2. Please briefly add the findings of existing studies relevant to this paper.

3. Suicide is affected by many factors. In addition to the disability at the baseline survey time, the new disabilities during the follow-up time also have an impact, particularly the severe disabilities. Please justify how this study deal with this potential challenge.

4. Please add the description of mortality data quality in the methods section.

5. For the insignificant results that statistical test showed, please do not wording like increase or decrease.

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.

This is an interesting study. But it has major defects.

1. Despite a large sample size, it cannot guarantee the stable estimation of suicide mortality in specific populations, as shown by the wide 95% confidence intervals. This made it hard to examine the proposed research question.

2. Please briefly add the findings of existing studies relevant to this paper.

3. Suicide is affected by many factors. In addition to the disability at the baseline survey time, the new disabilities during the follow-up time also have an impact, particularly the severe disabilities. Please justify how this study deal with this potential challenge.

4. Please add the description of mortality data quality in the methods section.

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PLEASE COMMENT

Q 4 Is the title appropriate, concise, attractive?

yes

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?

No.

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.