Reviewer’s report


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Reviewer: Huawei Duan

Reviewer's report:

Although there are more than 770 million workers in China, the burden of disease attributable to occupational risks is unavailable. This study investigated the summary exposure values, deaths and disability adjusted life year (DALYs) attributable to occupational hazards in China from 1990 to 2017. The authors compared age-standardized death rates attributable to occupational risk factors in the provinces of China by socio-demographic index (SDI). They found the attributable burden was higher in males than in females in China. Compared with high SDI provinces, low SDI provinces had higher death rates attributable to total occupational risks, occupational PGFs, and occupational injuries. Before the publication, I have several comments to improve the manuscript.

1. The authors selected 18 occupational risks, 22 related causes in this study. How the numbers of hazards and causes were chosen?

2. There was some difference between the carcinogen and occupational carcinogen. In present study, some listed occupational carcinogens, such as trichloroethylene, diesel engine exhaust, and so on, were not classified into occupational carcinogens in China. The authors should give some interpretation and discussion for its application.

3. Language should be polished by professional editors.

Level of interest

Please indicate how interesting you found the manuscript:

An article of importance in its field

Quality of written English

Please indicate the quality of language in the manuscript:

Needs some language corrections before being published

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