

Review of: "Human health effects of volcanic eruptions – a systematic review"

Rima J. Isaifan¹

¹ Hamad bin Khalifa University

Potential competing interests: No potential competing interests to declare.

Very interesting topic, but the manuscript is of a statistical nature rather than scientifically informative.

Suggestions for improvement:

1. In the abstract, kindly replace the word affectation with (an effect)
2. Clarify what does (Rn) in Table 2, under the volcanic hazard column refer to?
3. Table 2, row 49, the word (lung) is mentioned under the disease column. Lung on its own is an organ and not a disease, kindly correct.
4. Group the references instead of expanding them like this.
5. In the discussion, kindly add a few paragraphs on the mechanism of volcanic hazard impact on human health.
6. In Figure 1, it was mentioned that 62 studies were included because of "wrong design". It is recommended that this criterion should be explained in the methodology as the figure is statistically high.
7. The aim of such studies should have an impact on policy and contingency plans of the government and human communities around volcanos. Hence, some suggestions should be added to the conclusion in this regard.
8. Add a paragraph in the conclusion to indicate the main limitations of this work.
9. Figure 2, the map shows 16 studies, including the legend, however, the caption mentions that 26 studies have been shown. Kindly correct.
10. Examples of the supplementary records from which 11 studies were included should be mentioned as these should be accredited and peer-reviewed/governmental/ credible sources.