

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

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Potential competing interests: No potential competing interests to declare.

Overall, the manuscript provides a clear overview of the study's objectives, methodology, results, discussion and conclusion. Adding a bit more detail in certain areas will enhance the reader's understanding and appreciation of the study's significance.

Introduction

- a) Elaborate more on how climate change might reactivate volcanoes, potentially endangering human health.
- b) When mentioning the "Belt or Ring of Fire," provide a brief explanation of what this term refers to for readers who may not be familiar with it.
- c) Elaborate on how understanding these consequences can aid in designing effective prevention and response strategies.

Methodology

- a) Specify the reason behind selecting studies with quantitative analysis and excluding other types of publications. This can help readers understand the rationale for your choices.

Discussion

- a) Consider organizing the discussion into subsections that align with the major themes or categories of findings, such as "Respiratory Health Effects," "Cancer Risks," etc.
- b) For each major finding, provide more in-depth interpretation. Explain why respiratory diseases were the most common effects, the mechanisms of their occurrence, and the potential implications for public health.
- c) Provide additional details about the composition of volcanic ash and how specific minerals and elements contribute to health effects.
- d) Discuss the practical implications of your findings for public health policy and risk management strategies. How can the insights gained from this review guide future preparedness measures?