

Peer-Review Report

Peer Review of “The Impact of SARS-CoV-2 Lineages (Variants) and COVID-19 Vaccination on the COVID-19 Epidemic in South Africa: Regression Study”

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(*JMIRx Med* 2023;4:e46906) doi: [10.2196/46906](https://doi.org/10.2196/46906)

KEYWORDS

COVID-19; infection; pandemic; vaccine; vaccination; epidemiology; transmissibility; health care; hospital admission; COVID-19 variants; SARS-CoV-2

This is a peer-review report submitted for the paper “The Impact of SARS-CoV-2 Lineages (Variants) and COVID-19 Vaccination on the COVID-19 Epidemic in South Africa: Regression Study.”

Round 1 Review

The manuscript [1] attempts to investigate the impact of SARS-CoV-2 lineages in South African COVID-19 epidemiology. I would like to congratulate the authors on this useful attempt. The manuscript is well written, and the subject

addressed in this manuscript is worth investigating; however, the manuscript partly failed to present a clear picture of its analytical methodology and presentation of results. The following are some minor concerns for consideration. I suggest that the authors (a) extend the study to include the recent Omicron variant, (b) present results with complete models, (c) avoid excessive references (~71).

In conclusion, the subject addressed in this manuscript is worth investigating and acceptable after taking into account the abovementioned minor issues.

Conflicts of Interest

None declared.

Reference

1. Mabuka T, Naidoo N, Ncube N, Yiga T, Ross M, Kurehwa K, et al. The impact of SARS-CoV-2 lineages (variants) and COVID-19 vaccination on the COVID-19 epidemic in South Africa: regression study. *JMIRx Med* 2023;4:e34598 [[FREE Full text](#)]
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