

# Review of: "The Changing Trajectory of Covid-19 and How Immunity is Evolving with It"

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This contribution addresses the challenge of achieving herd immunity and the endemicity of the COVID-19 pandemic. The authors identify two primary factors that hinder the attainment of this stable state: the rapid generation of viral mutations and the limitations of the immune system in effectively countering such mutations.

The authors highlight several reasons contributing to these challenges, including variations in host immunity influenced by factors such as ethnicity and genetics, differences in vaccine types and efficacy rates, vaccine hesitancy among populations, and logistical hurdles such as inadequate healthcare infrastructure and insufficient testing. These factors create favorable conditions for viral proliferation and the emergence of more transmissible variants.

To attain a lower level of endemicity, the authors propose various measures, including scaling up vaccination efforts, enhancing second-generation vaccines, and strengthening public health communication to address vaccine hesitancy.

This contribution holds significant value as it addresses a pertinent issue concerning the potential outcomes of reaching endemicity or facing recurrent global outbreaks. Moreover, the authors offer insightful recommendations to prevent the emergence of new variants, thereby providing potential strategies to combat the ongoing challenges posed by the pandemic.