

Review of: "Qualitative Analysis of a Time-Delay Transmission Model for COVID-19 Based on Susceptible Populations With Basic Medical History"

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Potential competing interests: No potential competing interests to declare.

I have gone through the paper which considered two susceptible populations, one of which was said to be “without underlying diseases”. The authors should make clear which underlying diseases they are referring to.

Secondly, the governing equations appear to be incorrect, especially the transition from the exposed class into the infected compartment. The transition rate cannot be independent of the exposed compartment. That error is evident in the disease-free equilibrium which doesn't contain the exposed compartment. The authors could not give any convincing explanation for this formulation.

Based on the above observation, the authors should correct the governing equations or offer convincing justification before carrying out the analysis of the model.

Thank you for the opportunity to make an input into this work.