

## Review of: "A population-based model for rationing COVID-19 vaccine"

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Potential competing interests: No potential competing interests to declare.

The author proposed an interesting research question in this paper. To be considered for publication, I would suggest that the author makes major revision by the following suggestions:

- 1. Current introduction section does not contain sufficient citations and a strong rationale to demonstrate what critical knowledge gap that this paper can fill.
- 2. The study design of this paper is not mentioned. The description of eligible criteria needs to be extended to clearly state why these individuals are recruited for this study. The statistical analysis procedure is vaguely described. What specific regression models do the author use to generate odds ratios and why using odds ratios to measure the association of interest?
- 3. The descriptive statistics Table 1 needs to be reformatted. The interpretation of the findings need to be reorganized to follow better. Maybe try to highlight what are the main take-home messages from the results.
- 4. A thorough grammatical check and polish would be appreciated.