

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

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This is an interesting paper. It attempts to devise a statistical modeling strategy to rationing COVID-19 Vaccine.

The paper is well written in general with a clear and easy to read style. There are sections in the paper that would need some improvement:

- Introduction is weak and needs better citing of the arguments mentioned. It is important that the gap that this paper intends to fill is well explained, the rationale is there but not much on the technical advances that led to these ideas.
- The methods could be structured better, as they are a bit clunky, some sub headers would be helpful.
- Results and Discussion are not bad. I would highlight more the limitations of this approach, for people outside the Canadian system. What is crucial and what is less important for an implementation like this elsewhere?

However, my main critique for this paper is on its big picture concept. Vaccination rationing is heavily influenced by economics and politics. These are decisions made by people for people, using a strategy based on objective data misses all the nuisances of human decisions. The paper is interesting, but unrealistic on the big picture in my opinion.