Reviewer’s report

Title: A model-based economic analysis of pre-pandemic vaccination cost-effectiveness

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Reviewer: Maarten Postma

Reviewer’s report:

This is a wonderful, timely and interesting paper, some further improvements are possible.

Similar type of analysis of exact timing of vaccine was done by Lugner et al, please discuss and reference.

The paper mentions to link pre-pandemic vaccine to annual seasonal vaccination, elsewhere every 10 years pre-pandemic is suggested, please clarify.

Conclusions mention 60% chance of mismatch as a sort threshold for cost effectiveness, this conclusion does not follow from analysis.

The idea of transmitters first also if vaccine is late might contradict other research, e.g. aforementioned Lugner.