

# Update on COVID-19 Projections – ADDITIONAL MODELLING ON BOOSTER DOSES –

Science Advisory and Modelling Consensus Tables

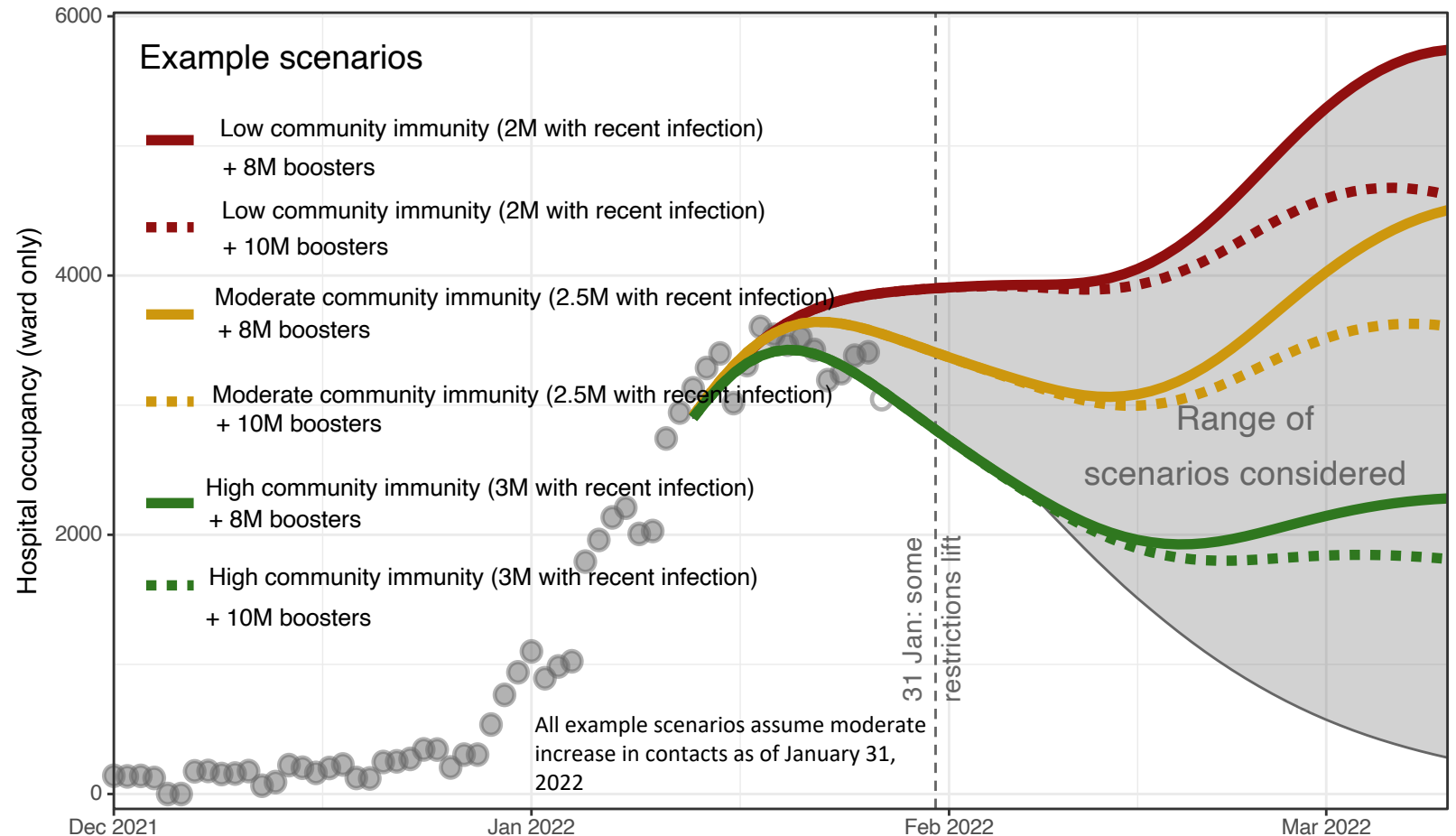
February 8, 2022



# We expect hospitalizations to rebound after reopening on January 31, and to remain at a prolonged peak, except under the most favourable assumptions.

Figure shows projections based on models from *two* scientific teams.

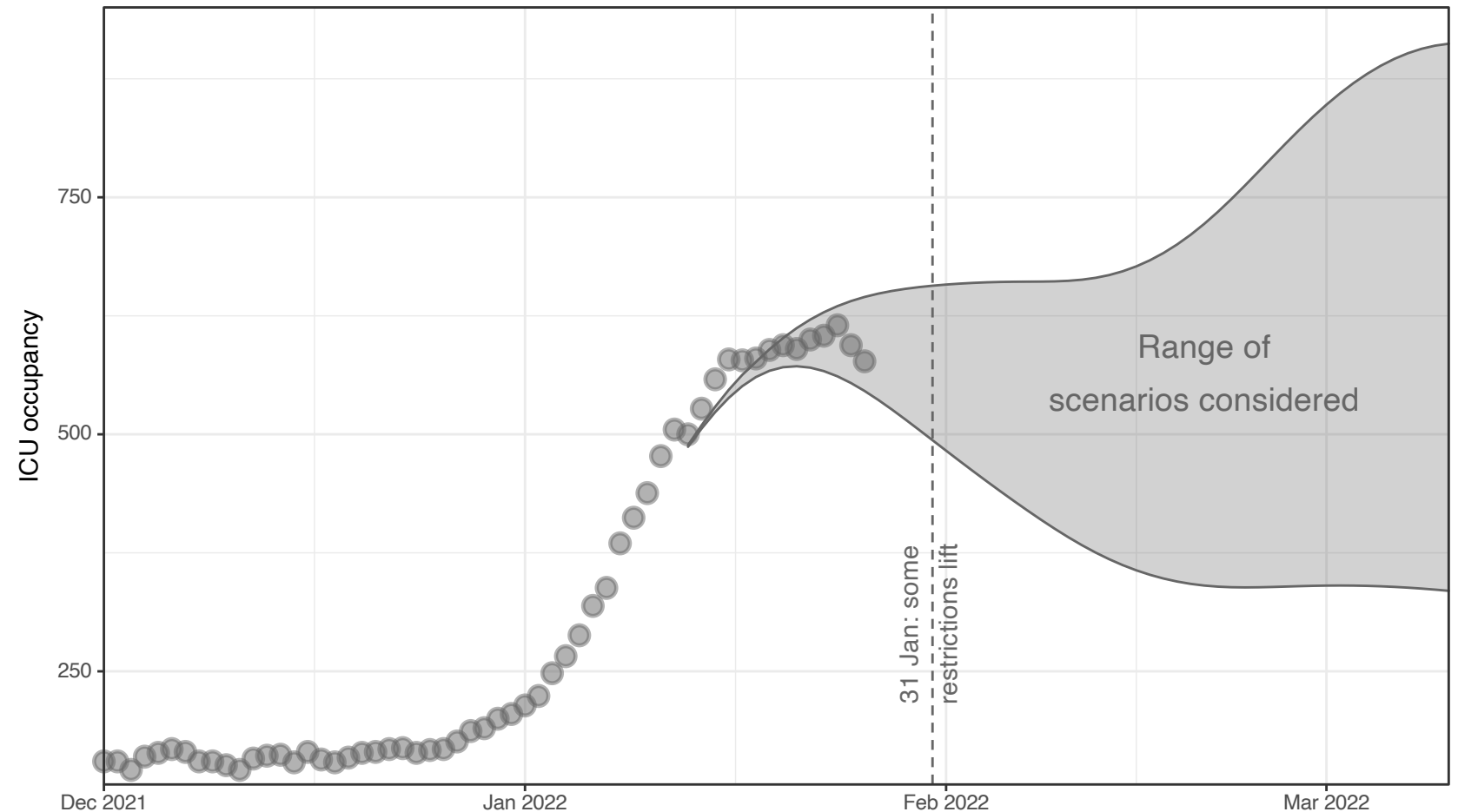
- Different models use different approaches and assumptions.
- Both models are calibrated to case counts (to mid-December 2021) and hospital occupancy (one model), or ICU occupancy (one model).
- Models assume 8M or 10M Ontarians will have received booster dose by end of February.
- Scenarios differ by level of community immunity and changes in contacts as of January 31, 2022.
- Considerable uncertainty on current community immunity and changing clinical presentation with Omicron.
- Accelerating uptake of vaccination, including boosters, will reduce hospital admissions.
- Expected increased supply of existing therapeutics may reduce hospital admissions.



# ICU occupancy will likely rebound after reopening on January 31. Regardless, the pressure on ICUs will be prolonged.

Figure shows projections based on model from *one* scientific team.

- Model is calibrated to case counts (to mid-December 2021) and ICU occupancy.
- Range of scenarios shown corresponds to example scenarios in previous slide (hospitalizations).
- Considerable uncertainty due to changing clinical presentation with Omicron, which may result in lower proportion of patients needing ICU care compared to Delta.
- Expected increased supply of existing therapeutics may further reduce ICU admissions.



# Contributors

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