

PHAC-McMaster model 20211008 digitized vs published graphs

PHAC-McMaster model 20211008 digitized graphs (“servo”) are compared with their correspondent published graphs (“master”) **to visualize the accuracy of the digitization.**

Visually, such accuracy looks excellent.

If the data underlying the published graphs were publicly available, accuracy assessment could be performed quantitatively as well.

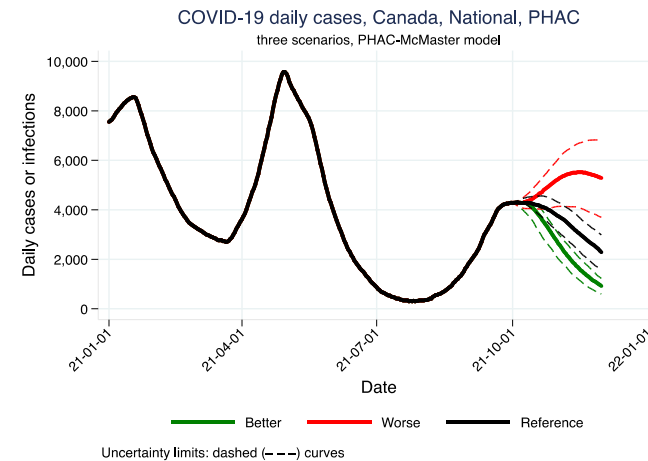
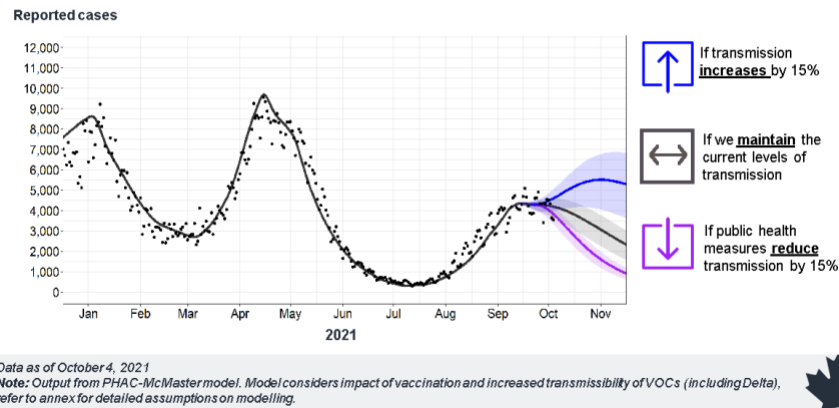
The PHAC-McMaster model 20211008 digitized graphs (“servo”) are stored in

[https://github.com/pourmalek/CovidVisualizedCountry/tree/main/20211022/code/PHAC/PHAC-McMaster model 20211008 dig.xlsx](https://github.com/pourmalek/CovidVisualizedCountry/tree/main/20211022/code/PHAC/PHAC-McMaster%20model%2020211008%20dig.xlsx)
and other directories in <https://github.com/pourmalek/CovidVisualizedCountry> that use PHAC-McMaster model 20211008, e.g.
<https://github.com/pourmalek/CovidVisualizedCountry/blob/main/20211015/code/PHAC/PHAC-McMaster%20model%2020211008%20dig.xlsx>

The PHAC-McMaster model 20211008 published graphs (“master”) are available at <https://www.canada.ca/content/dam/phac-aspc/documents/services/diseases-maladies/coronavirus-disease-covid-19/epidemiological-economic-research-data/update-covid-19-canada-epidemiology-modelling-20211008-en.pdf>

MASTER on the left below -- Longer range forecast suggests that, at current levels of transmission, the fourth wave could decline in the coming weeks, *page 8*

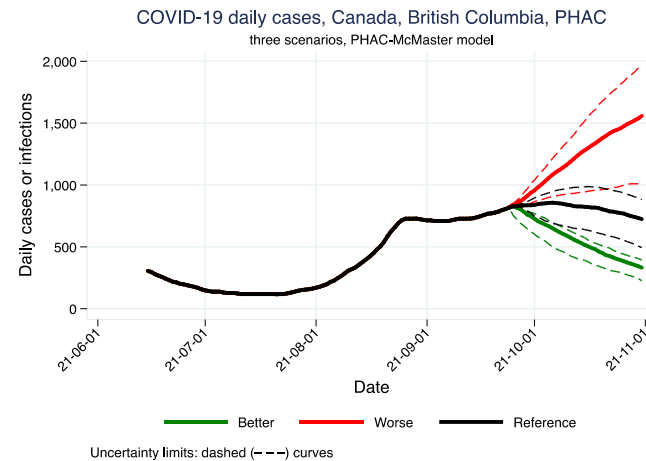
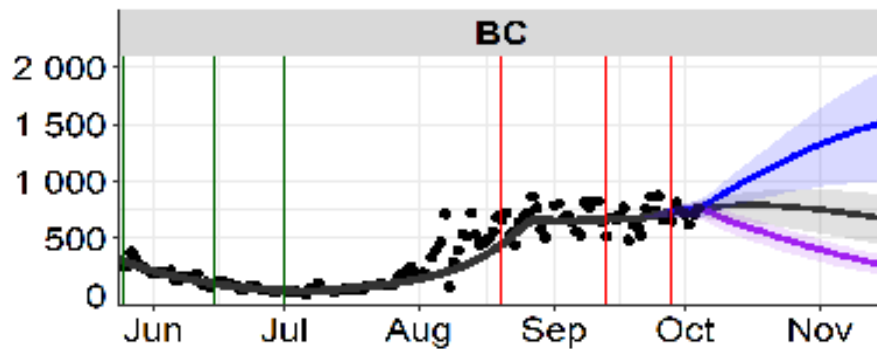
Longer-range forecast suggests that, at current levels of transmission, the fourth wave could decline in the coming weeks



SERVO on the right above -- COVID-19 daily cases, Canada, **National**, PHAC

<https://github.com/pourmalek/CovidVisualizedCountry/blob/main/20211022/output/PHAC/CAN4%2031cDayCasMERGnat%20alltime%20-%20COVID-19%20daily%20cases%2C%20Canada%2C%20National%2C%20three%20scenarios%20PHAC%20CI.pdf>

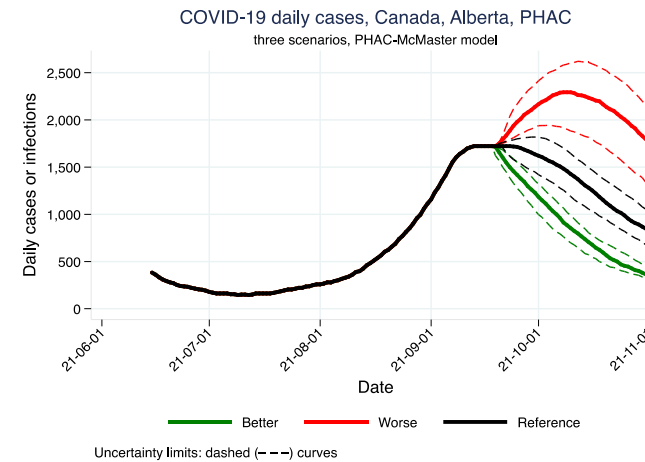
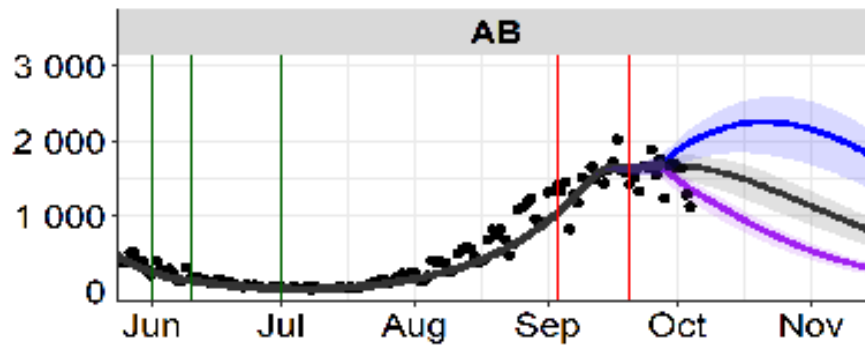
MASTER on the left below -- Provincial longer range forecasts show there is significant regional variation, *page 13, British Columbia*



SERVO on the right above -- COVID-19 daily cases, Canada, *British Columbia*, PHAC

<https://github.com/pourmalek/CovidVisualizedCountry/blob/main/20211022/output/PHAC/SUB4%2031cDayCasMERGsub%20alltime%20British%20Columbia%20-%20COVID-19%20daily%20cases%2C%20Canada%2C%20British%20Columbia%2C%20three%20scenarios%20PHAC%20CI.pdf>

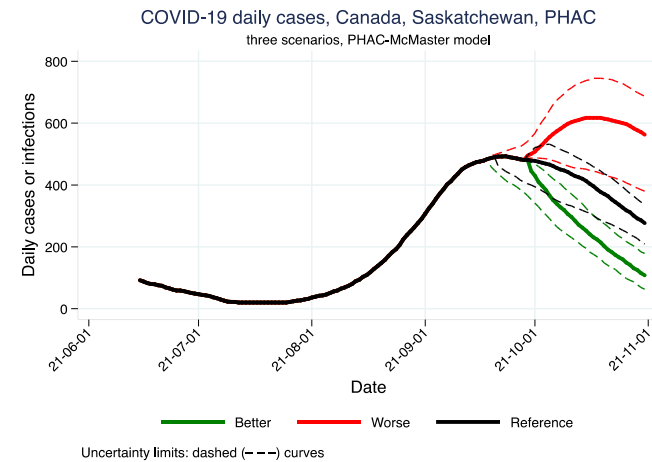
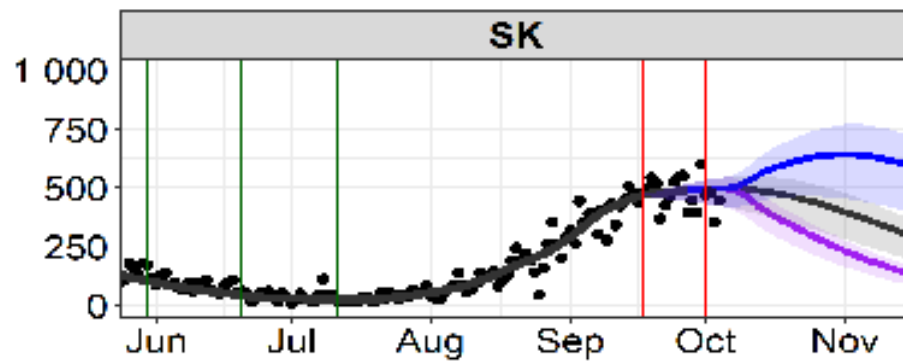
MASTER on the left below -- Provincial longer range forecasts show there is significant regional variation, *page 13, Alberta*



SERVO on the right above -- COVID-19 daily cases, Canada, *Alberta*, PHAC

<https://github.com/pourmalek/CovidVisualizedCountry/blob/main/20211022/output/PHAC/SUB4%2031cDayCasMERGsub%20alltime%20Alberta%20-%20COVID-19%20daily%20cases%2C%20Canada%2C%20Alberta%2C%20three%20scenarios%20PHAC%20CI.pdf>

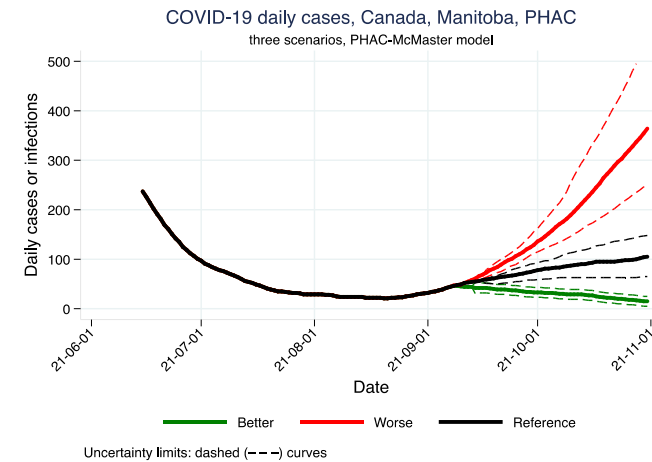
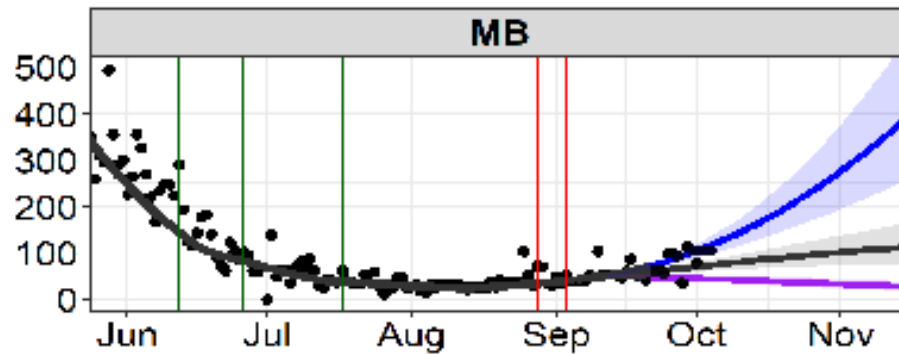
MASTER on the left below -- Provincial longer range forecasts show there is significant regional variation, *page 13, Saskatchewan*



SERVO on the right above -- COVID-19 daily cases, Canada, *Saskatchewan*, PHAC

<https://github.com/pourmalek/CovidVisualizedCountry/blob/main/20211022/output/PHAC/SUB4%2031cDayCasMERGsub%20alltime%20Saskatchewan%20-%20COVID-19%20daily%20cases%2C%20Canada%2C%20Saskatchewan%2C%20three%20scenarios%20PHAC%20CI.pdf>

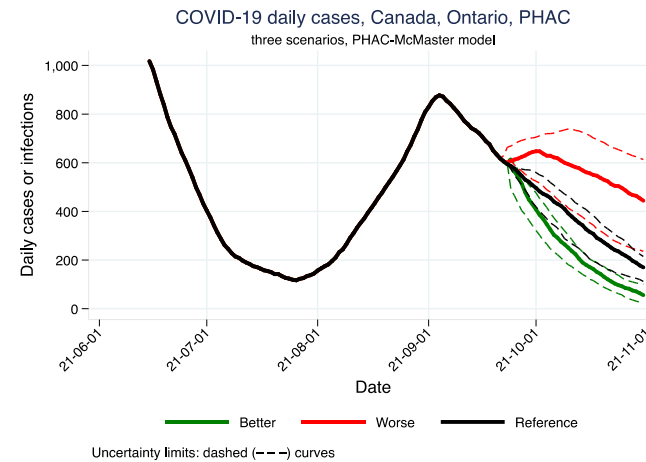
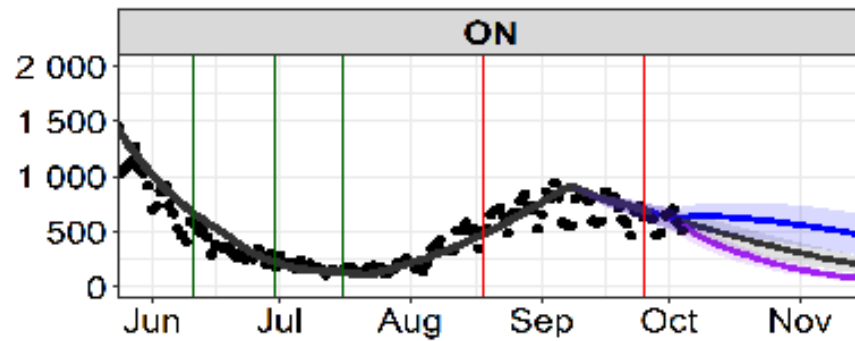
MASTER on the left below -- Provincial longer range forecasts show there is significant regional variation, *page 13, Manitoba*



SERVO on the right above -- COVID-19 daily cases, Canada, *Manitoba*, PHAC

<https://github.com/pourmalek/CovidVisualizedCountry/blob/main/20211022/output/PHAC/SUB4%2031cDayCasMERGsub%20alltime%20Manitoba%20-%20COVID-19%20daily%20cases%2C%20Canada%2C%20Manitoba%2C%20three%20scenarios%20PHAC%20CI.pdf>

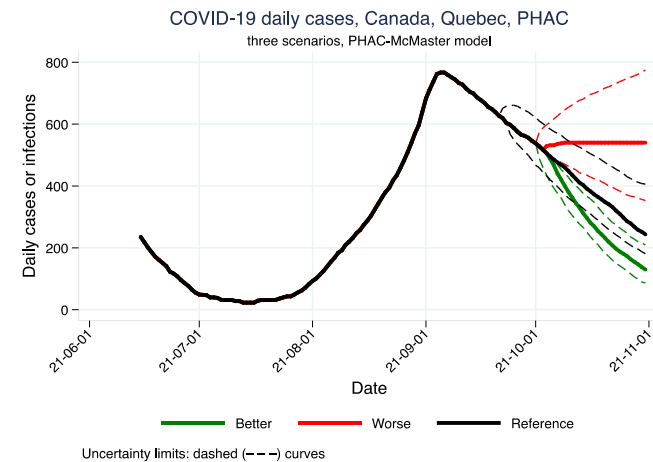
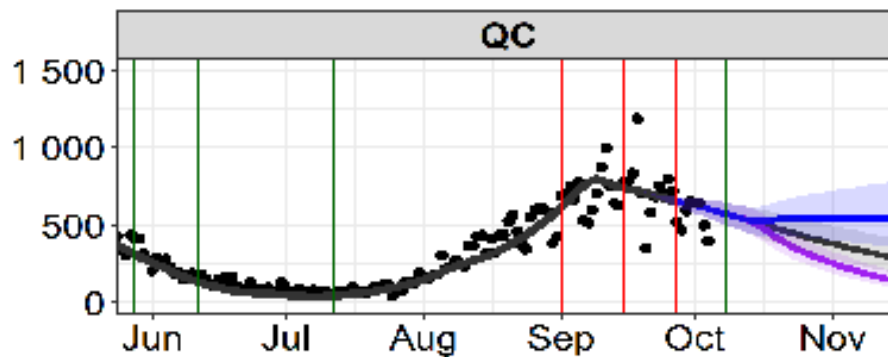
MASTER on the left below -- Provincial longer range forecasts show there is significant regional variation, *page 13, Ontario*



SERVO on the right above -- COVID-19 daily cases, Canada, *Ontario*, PHAC

<https://github.com/pourmalek/CovidVisualizedCountry/blob/main/20211022/output/PHAC/SUB4%2031cDayCasMERGsub%20alltime%20Ontario%20-%20COVID-19%20daily%20cases%2C%20Canada%2C%20Ontario%2C%20three%20scenarios%20PHAC%20CI.pdf>

MASTER on the left below -- Provincial longer range forecasts show there is significant regional variation, *page 13, Quebec*

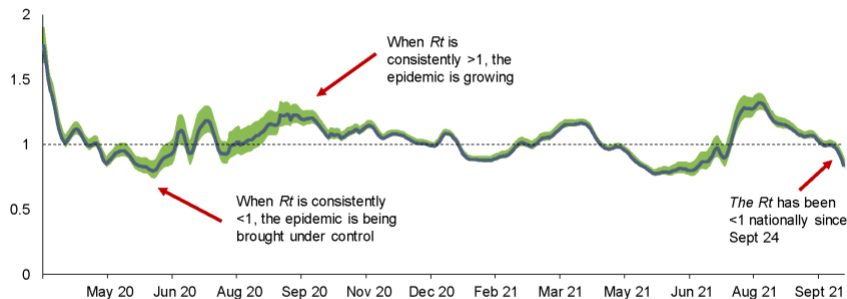


SERVO on the right above -- COVID-19 daily cases, Canada, *Quebec*, PHAC

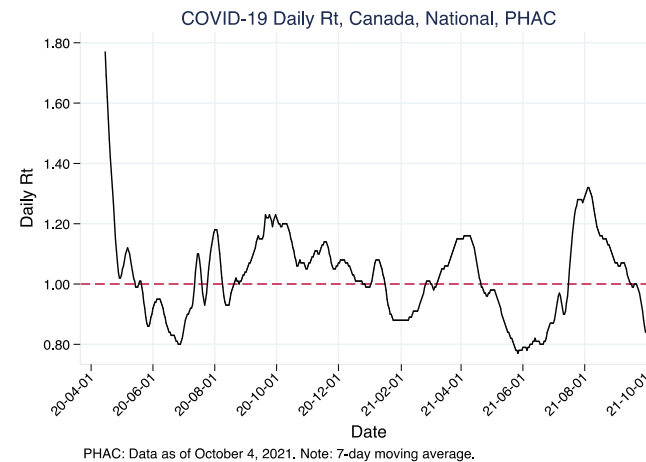
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MASTER on the left below -- For the first time in many weeks, Canada's R_t has fallen below 1, indicating the epidemic has dropped out of a growth pattern at the national level, page 3, **National**

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Data as of October 4, 2021
Note: 7-day moving average.

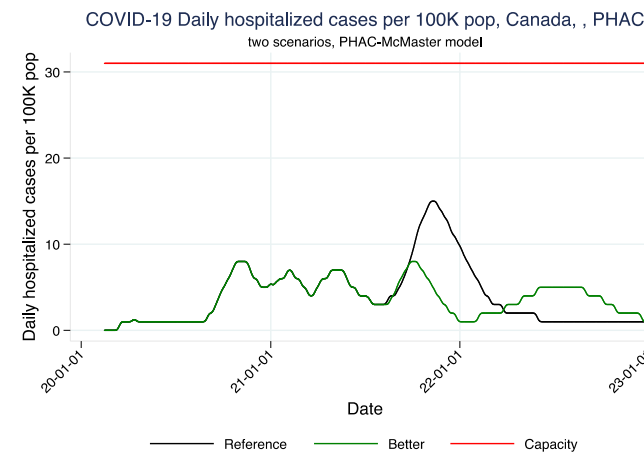
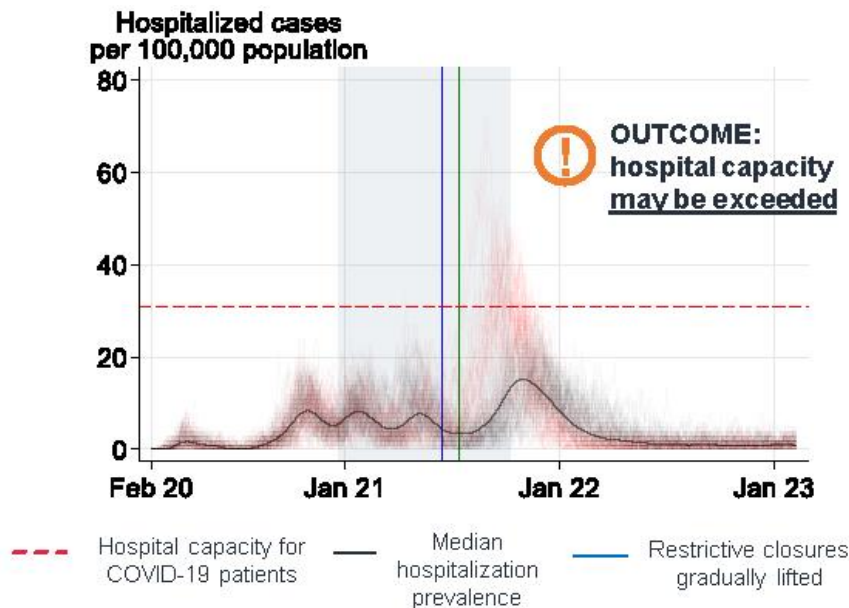


PHAC: Data as of October 4, 2021. Note: 7-day moving average.

SERVO on the right above -- COVID-19 Daily R_t , Canada, **National**, PHAC

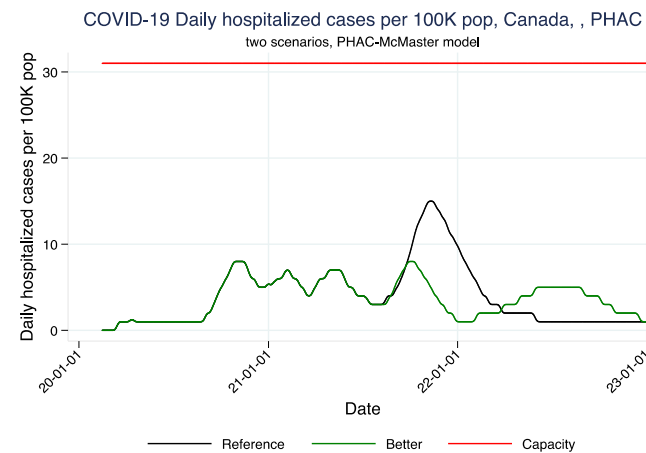
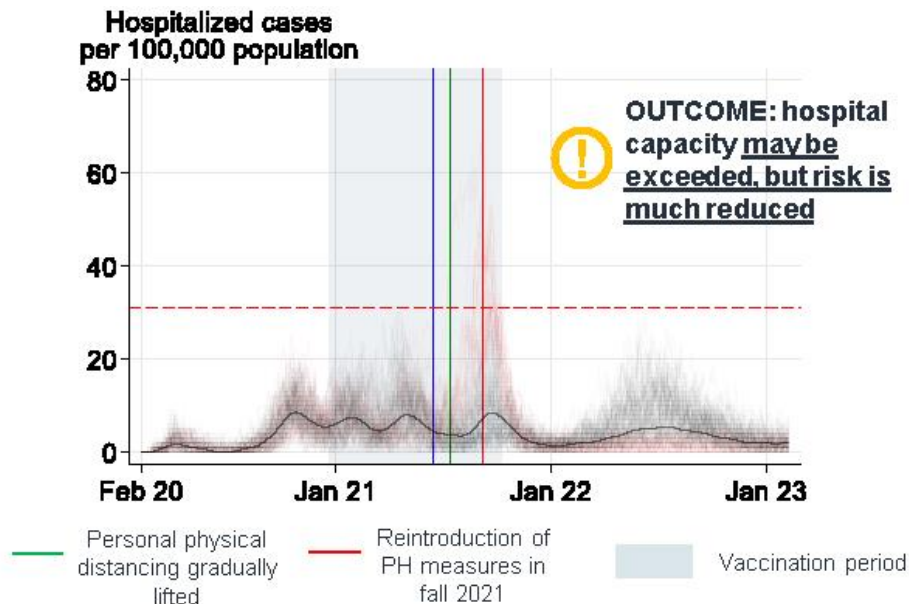
<https://github.com/pourmalek/CovidVisualizedCountry/blob/main/20211022/output/PHAC/CAN7%201fDayHosMERGnat%20-%20COVID-19%20Rt%2C%20Canada%2C%20National.pdf>

MASTER on the left below -- Maintaining key public health measures such as masking and spacing through the fall and winter could reduce the likelihood of overwhelming healthcare capacity -- **WITHOUT** public health measures this fall/winter, page 9, left, **National**



SERVO on the right above -- COVID-19 Daily hospitalized cases per 100K pop, **Canada**, PHAC (Reference, i.e., black curve)
<https://github.com/pourmalek/CovidVisualizedCountry/blob/main/20211022/output/PHAC/CAN7%2071aDayHosMERGnat%20%20alltime%20-%20COVID-19%20hospital-related%20outcomes%2C%20Canada%2C%20National.pdf>

MASTER on left below -- Maintaining key public health measures such as masking and spacing through the fall and winter could reduce the likelihood of overwhelming healthcare capacity -- WITH public health measures this fall/winter, page 9, right, **National**



SERVO on the right above -- COVID-19 Daily hospitalized cases per 100K pop, **Canada**, PHAC (Better, i.e., green curve)
<https://github.com/pourmalek/CovidVisualizedCountry/blob/main/20211022/output/PHAC/CAN7%2071aDayHosMERGnat%20%20alltime%20-%20COVID-19%20hospital-related%20outcomes%2C%20Canada%2C%20National.pdf>