

## Canada COVID-19 epidemic models situation report No 38 - 2022-03-10

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**Combine and visualize international periodically updated estimates of COVID-19 pandemic  
at the country level, countries with subnational level estimates  
Canada**

Based on uptake 20220310 in <https://github.com/pourmalek/CovidVisualizedCountry>  
**Study update dates in uptake 20220310**  
**DELP 20220310**, IHME 20220218, IMPE 20220120, **SRIV 20220310**

### Summary 20220311:

#### Observation:

Reported daily cases are stagnating after their recent decrease at the national level and in all provinces.

Reported daily deaths have stopped decreasing after their recent decrease at the national level and in all provinces. They are stagnating in Ontario and Quebec, and increasing Alberta, British Columbia, and Manitoba. Reporting by Saskatchewan is grossly manipulated and unreliable.

#### Probability:



Even though the models are highly divergent about the future trajectory of the epidemic, the above-observed trajectories of the reported daily deaths and cases might signify *a new surge*.

DELP: [model by Massachusetts Institute of Technology, Cambridge](#)

IHME: [model by Institute for Health Metrics and Evaluation, Seattle](#)

IMPE: [model by Imperial College, London](#)

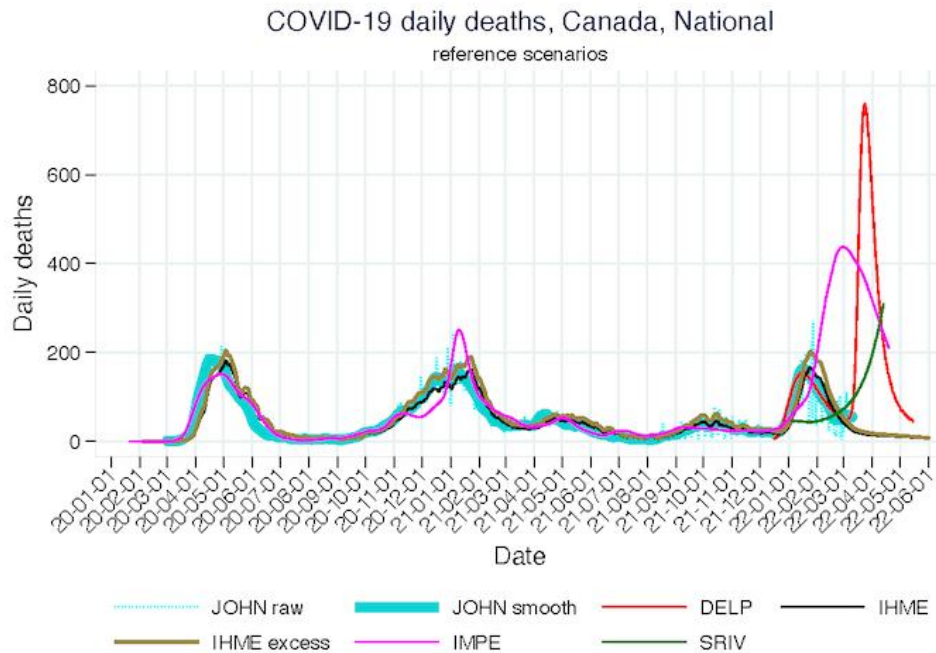
SRIV: [model by Srivastava, Ajitesh, University of Southern California, Los Angeles](#)

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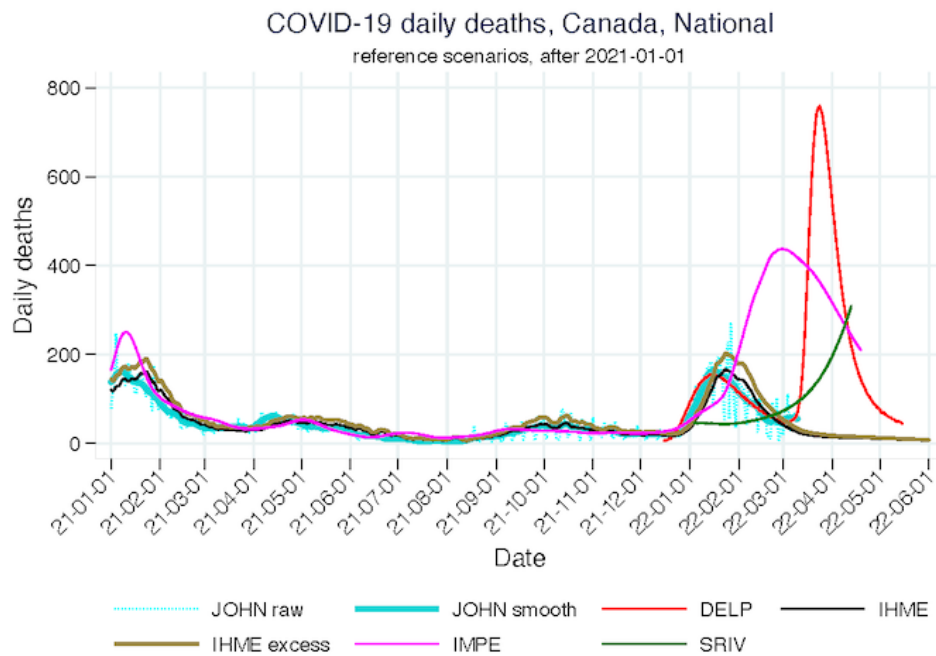
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## Selected graphs - Canada, National

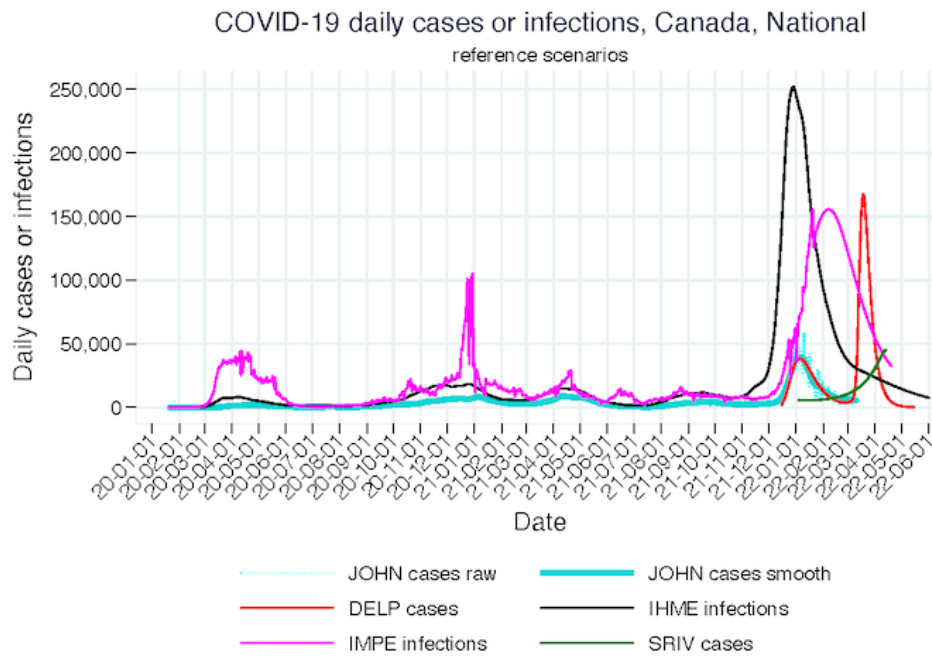
### (1) Canada [Daily deaths, Reference scenarios, 2020 on](#)



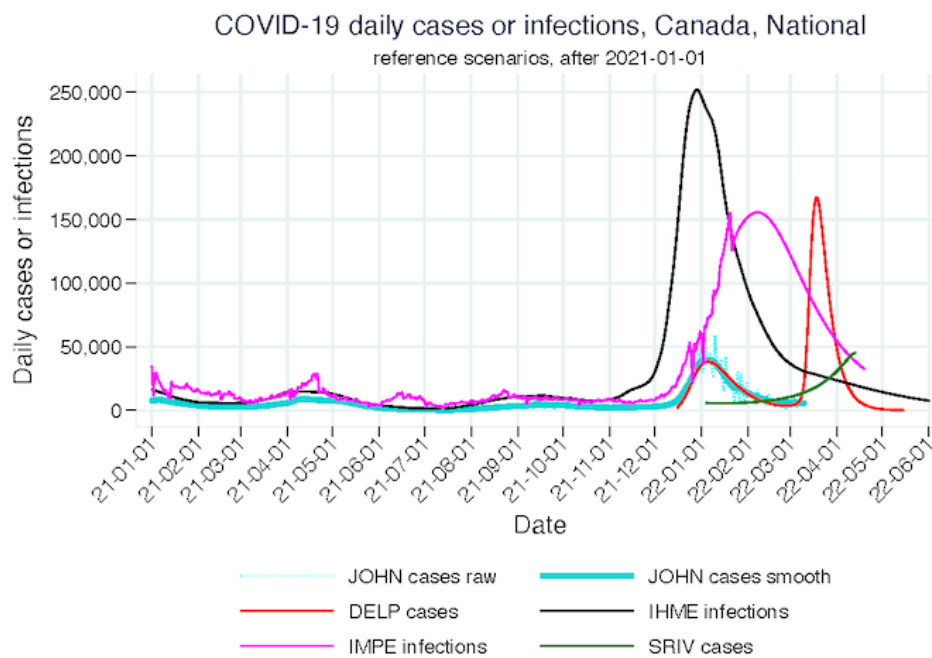
### (2) Canada National [Daily deaths, All scenarios, 2021 on](#)



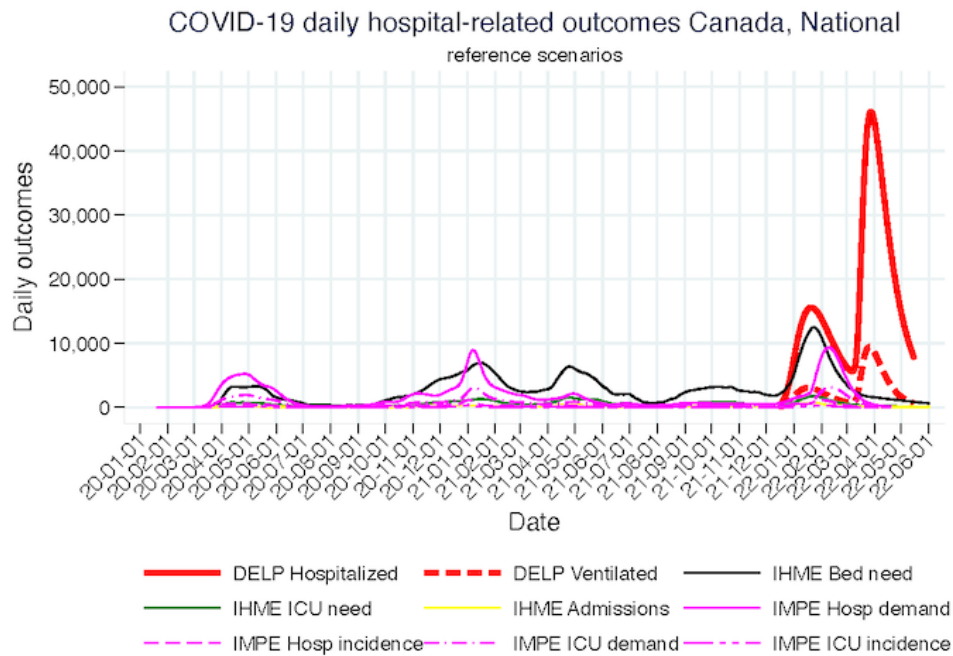
(3) Canada National [Daily cases or infections, Reference scenarios, 2020 on](#)



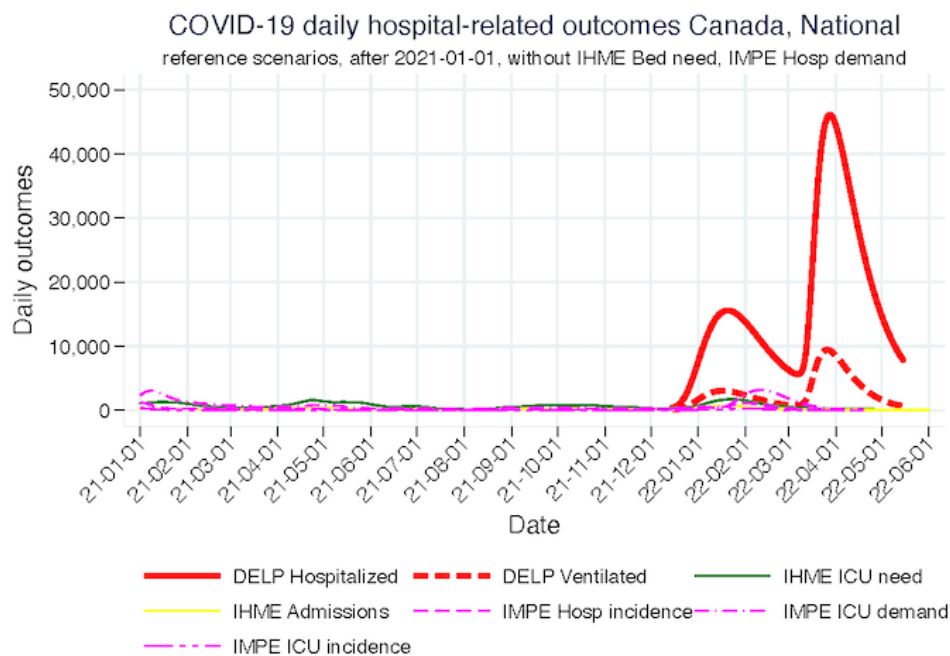
(4) Canada National [Daily cases or infections, All scenarios, 2021 on](#)



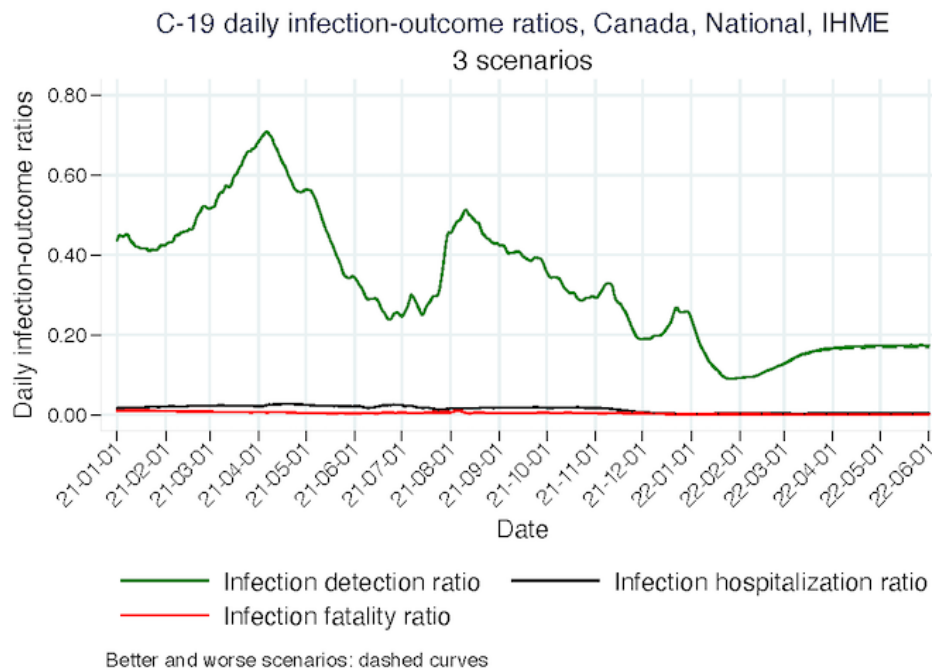
(5) Canada National [Daily hospital-related outcomes, Reference scenarios, 2020 on](#)



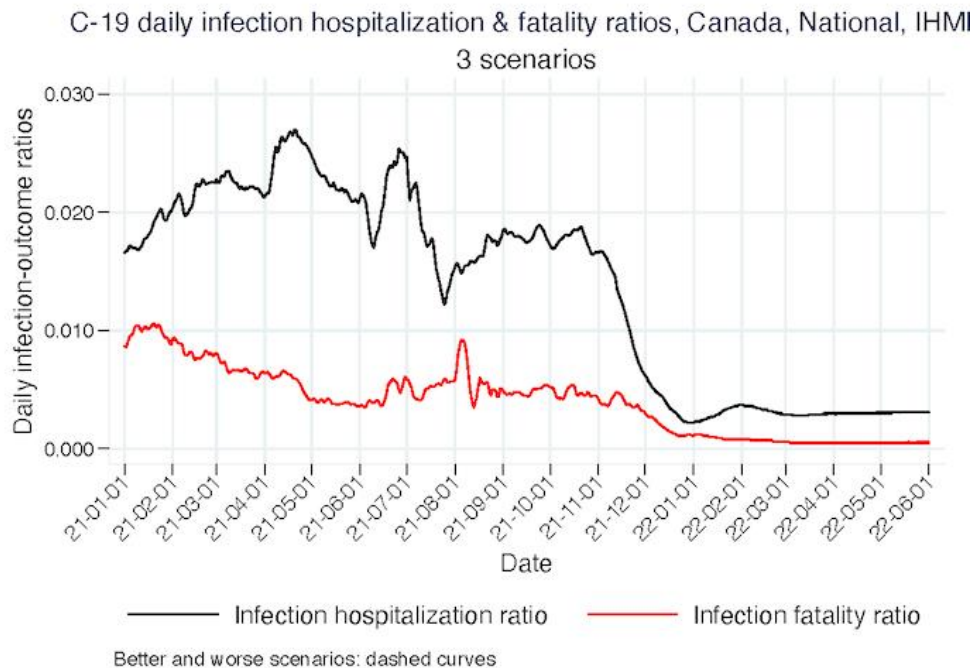
(6) Canada National [Daily Infection outcomes ratios, Reference scenarios, IHME, 2021 on](#)



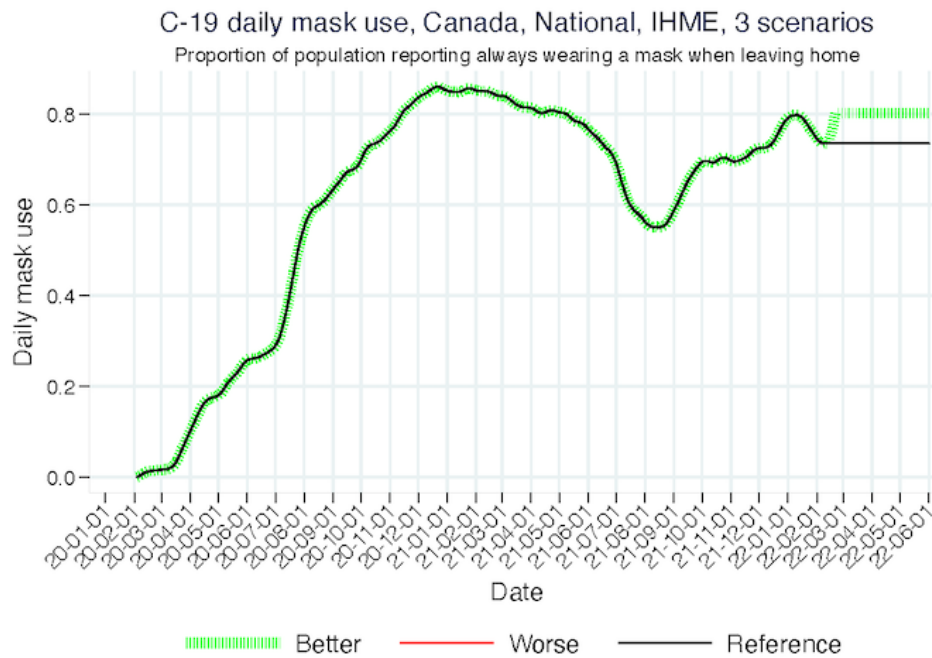
(7) Canada National [Daily Infection hospitalization and fatality ratios, Reference scenario, IHME, 2021 on](#)



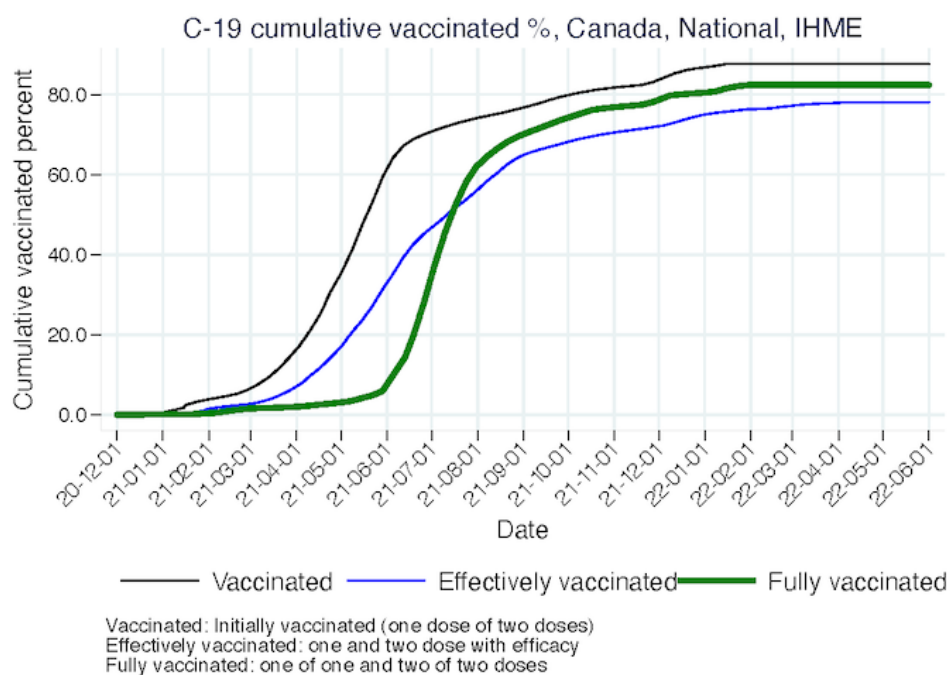
(8) Canada National [Daily percent change in mobility, Reference scenario, IHME, 2020 on](#)



(9) Canada National [Daily mask use, IHME, 2020 on](#)



(10) Canada National [Percent cumulative vaccinated, IHME, 2020 on](#)

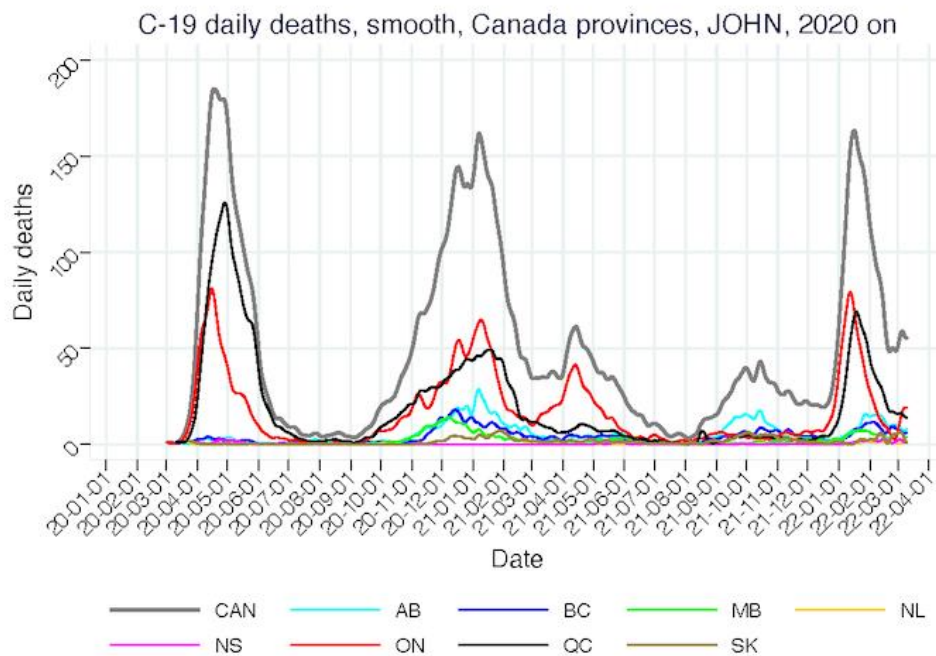


## Selected graphs - Canada, Provinces together

(a) Official reports to WHO, via JOHN || (b) Models: IHME

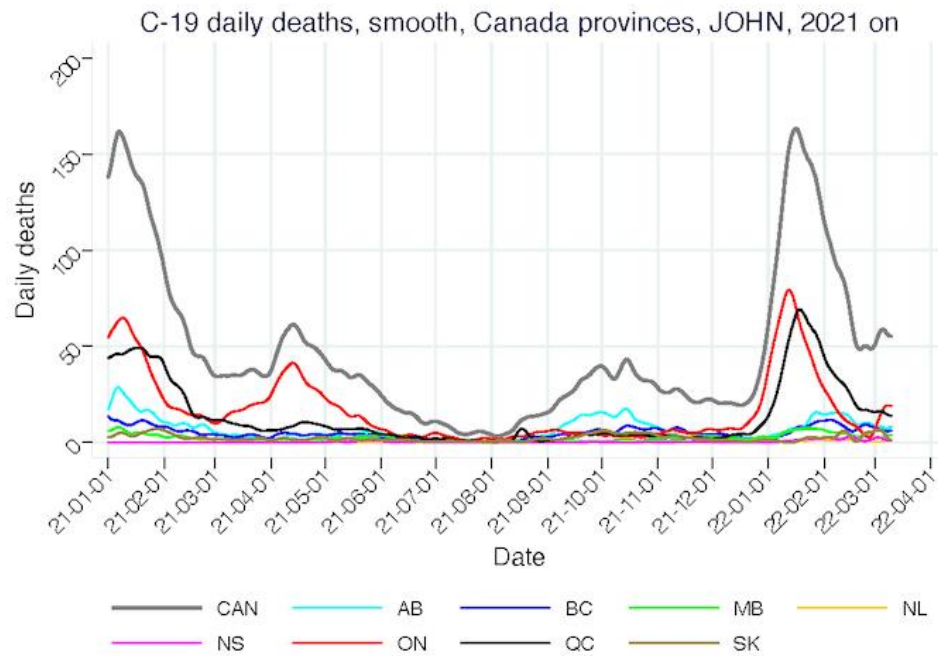
(a) Official reports to WHO, via JOHN

(1) Canada Provinces [Daily reported deaths, JOHN, 2020 on](#)

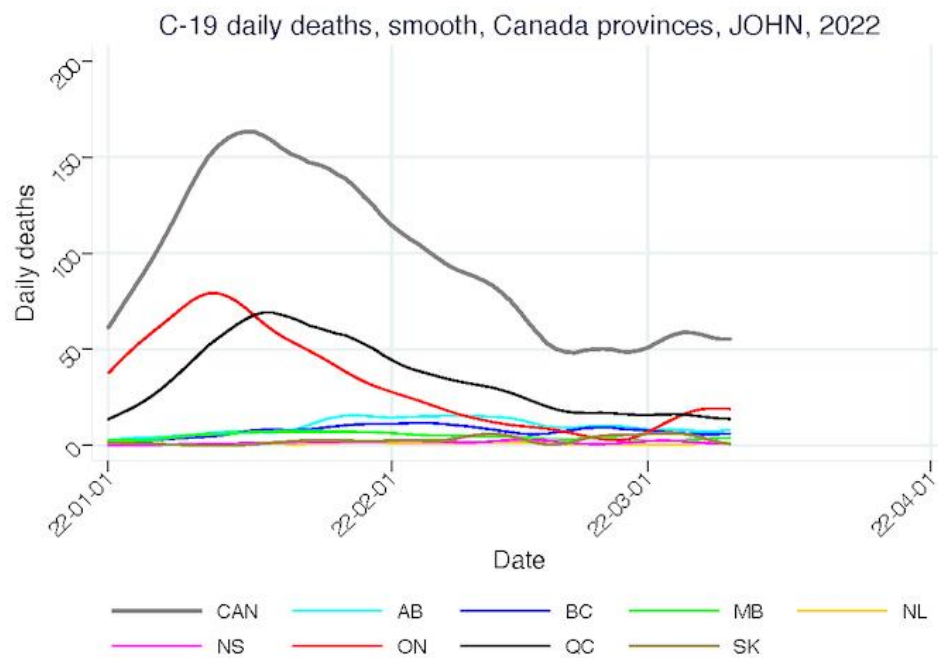




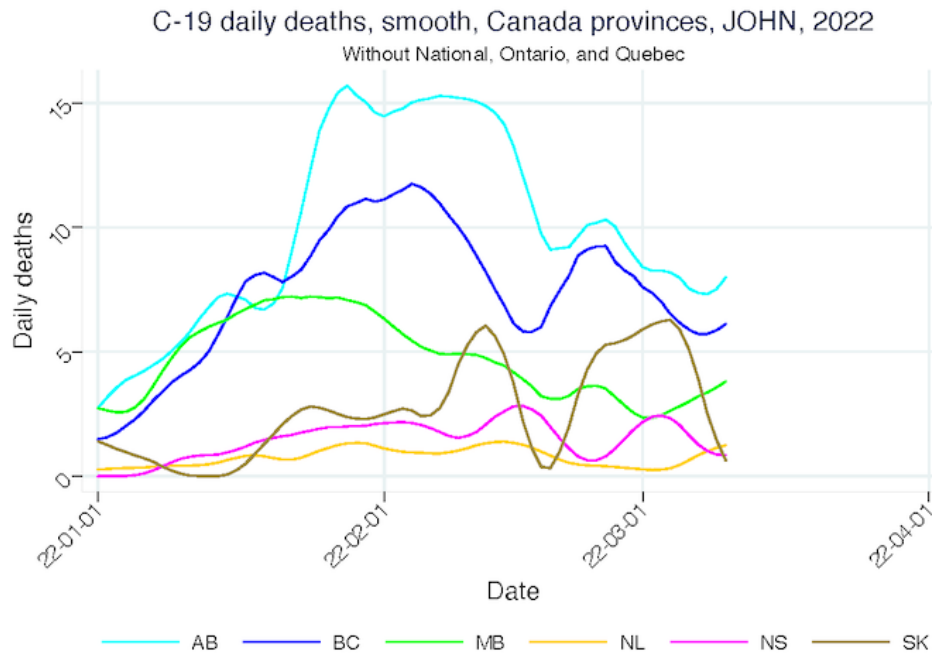
(2) Canada Provinces [Daily reported deaths, JOHN, 2021 on](#)



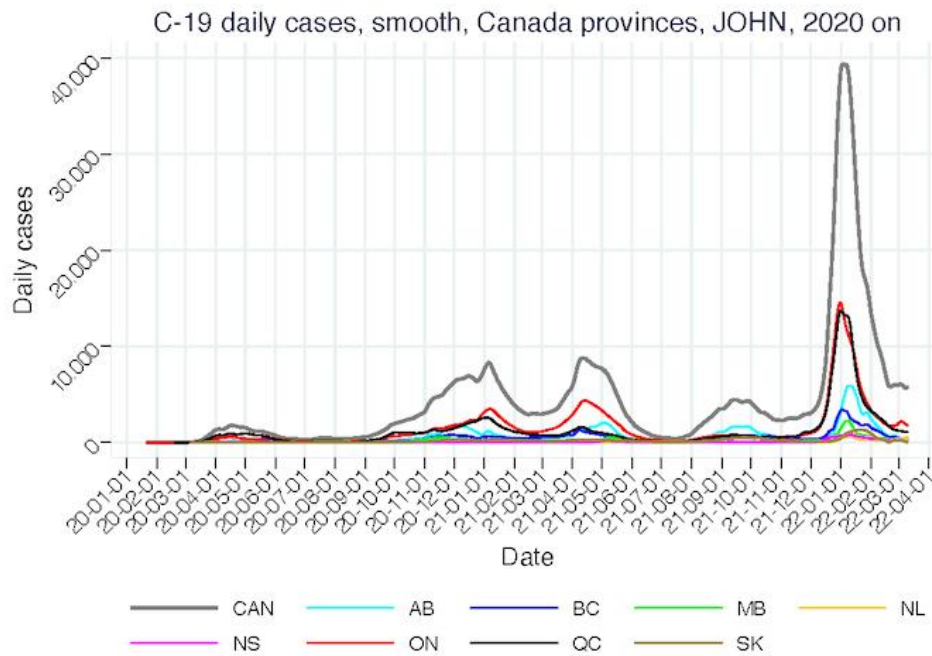
(3) Canada Provinces [Daily reported deaths, JOHN, 2022](#)



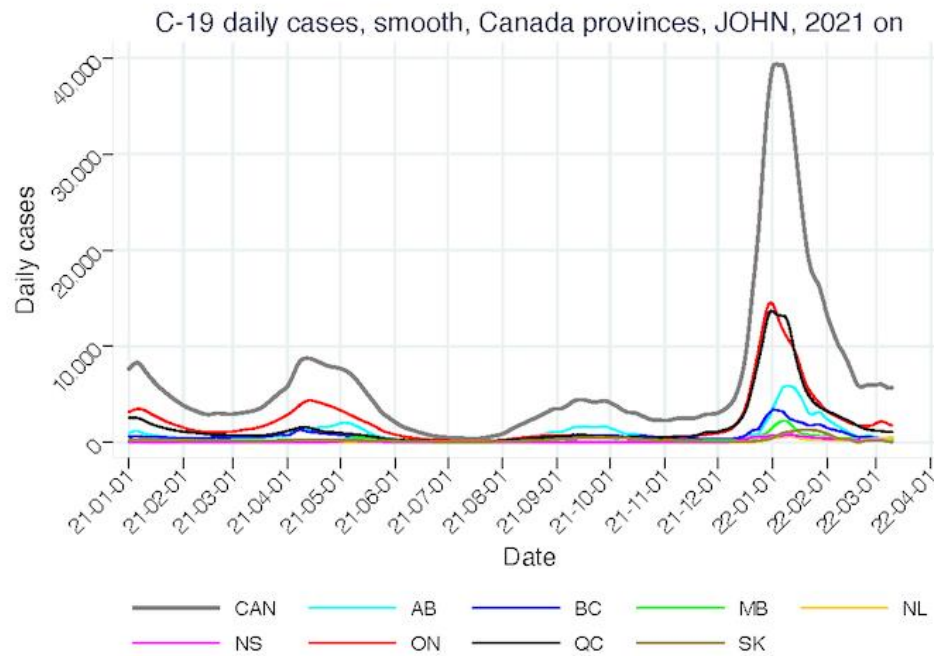
(4) Canada Provinces [Daily reported deaths, without National, Ontario, and Quebec, JOHN, 2022](#)



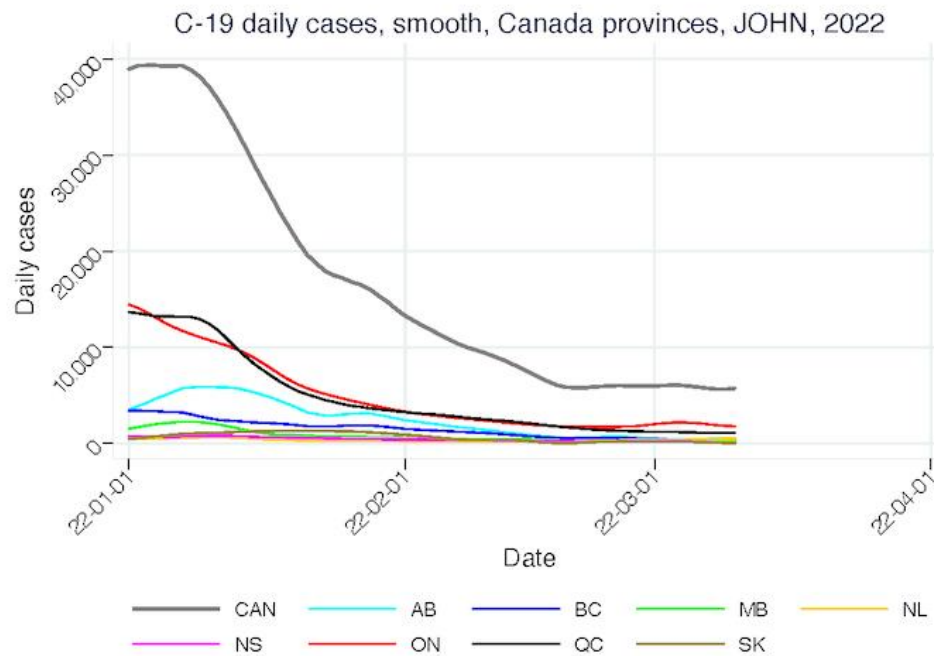
(5) Canada Provinces [Daily reported cases, JOHN, 2020 on](#)



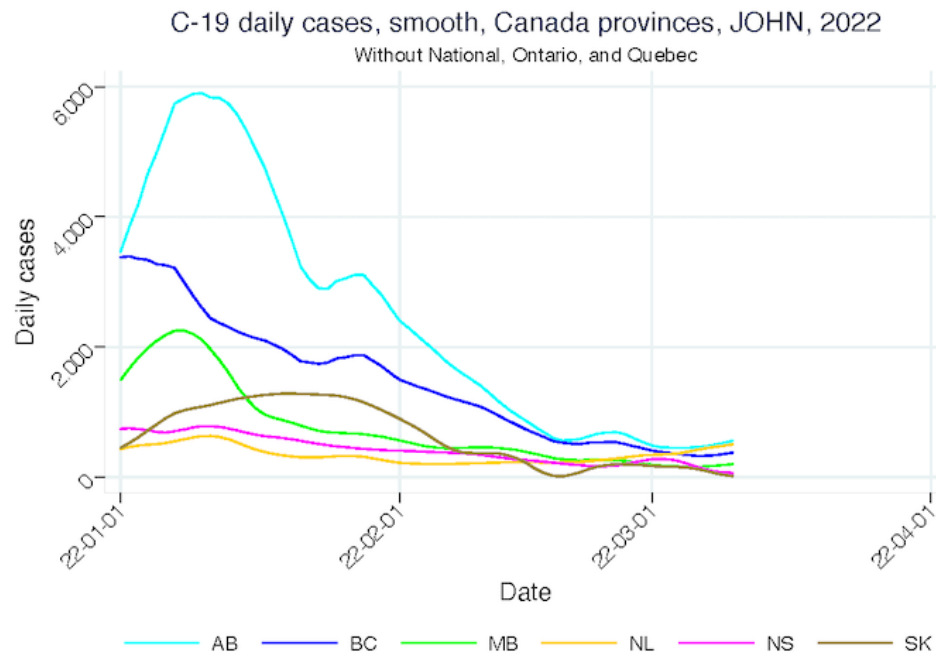
(6) Canada Provinces [Daily reported cases, JOHN, 2021 on](#)



(7) Canada Provinces [Daily reported cases, JOHN, 2022](#)

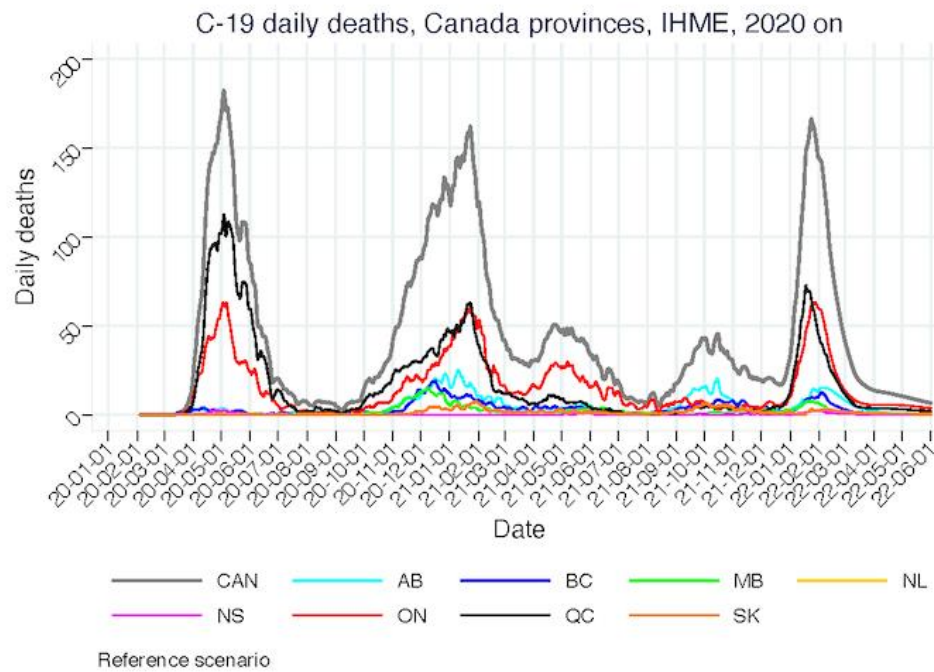


(8) Canada Provinces [Daily reported cases, without National, Ontario, and Quebec, JOHN, 2022](#)

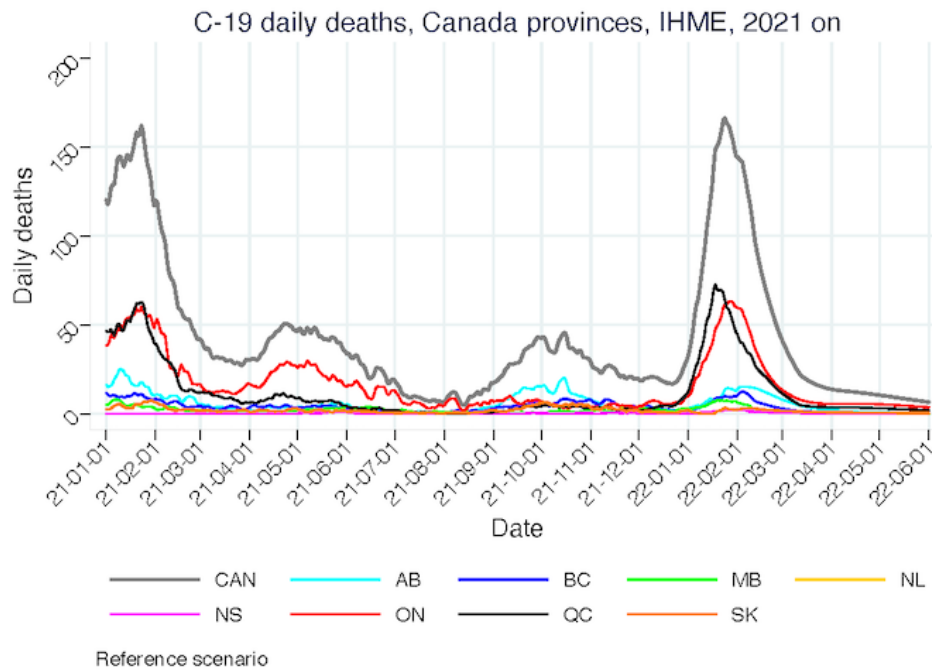


(b) Models: IHME

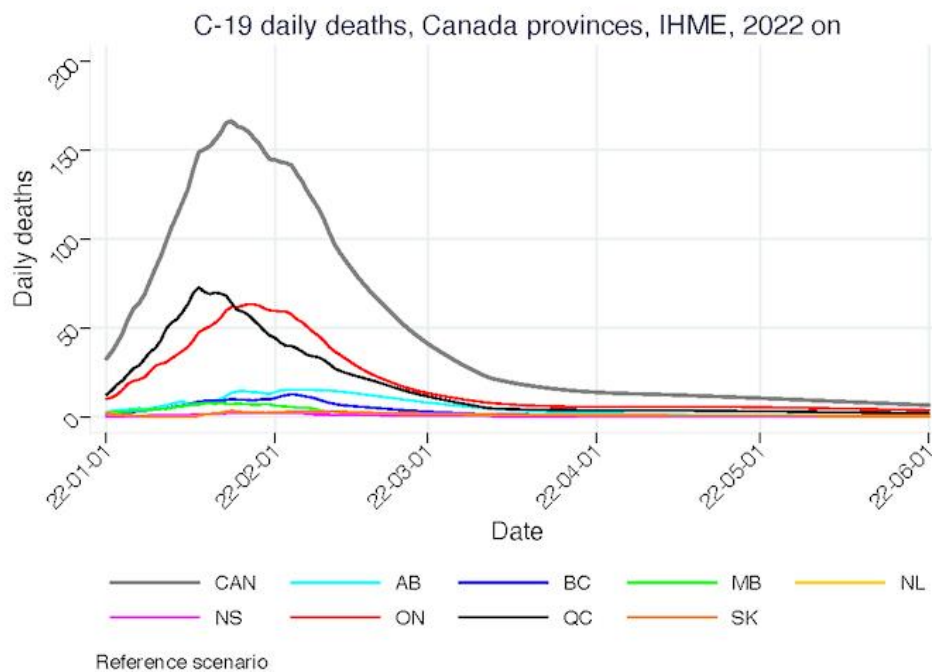
(9) Canada Provinces [Daily deaths, Reference scenario, IHME, 2020 on](#)



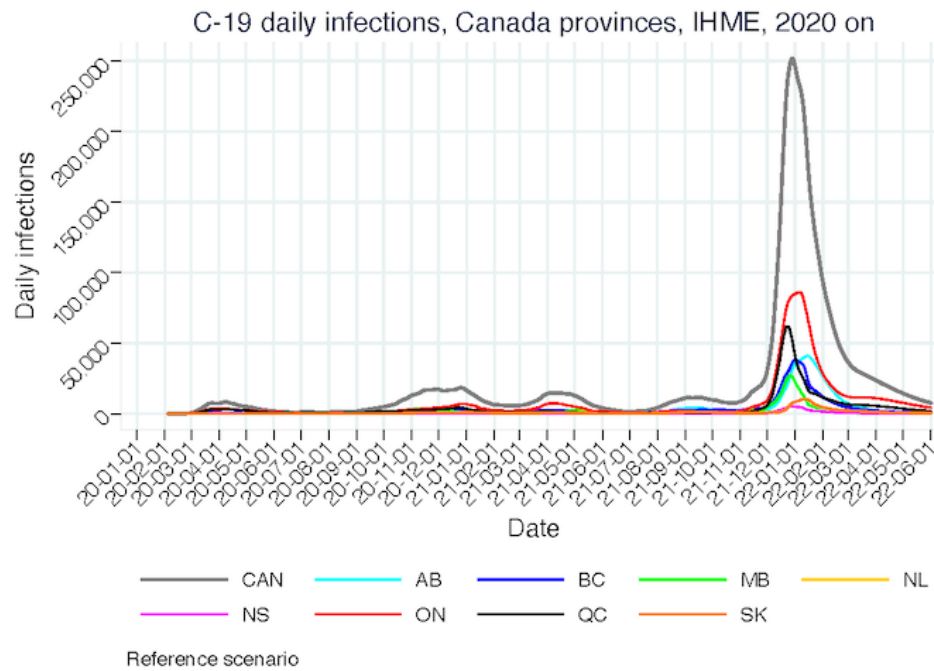
(10) Canada Provinces [Daily deaths, Reference scenario, IHME, 2021 on](#)



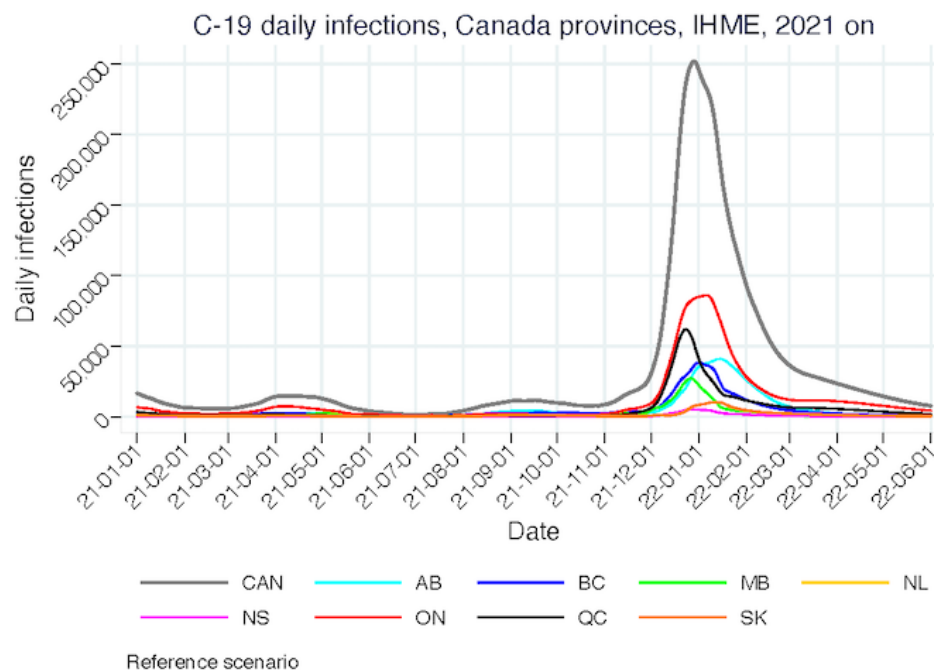
(11) Canada Provinces [Daily deaths, Reference scenario, IHME, 2022](#)



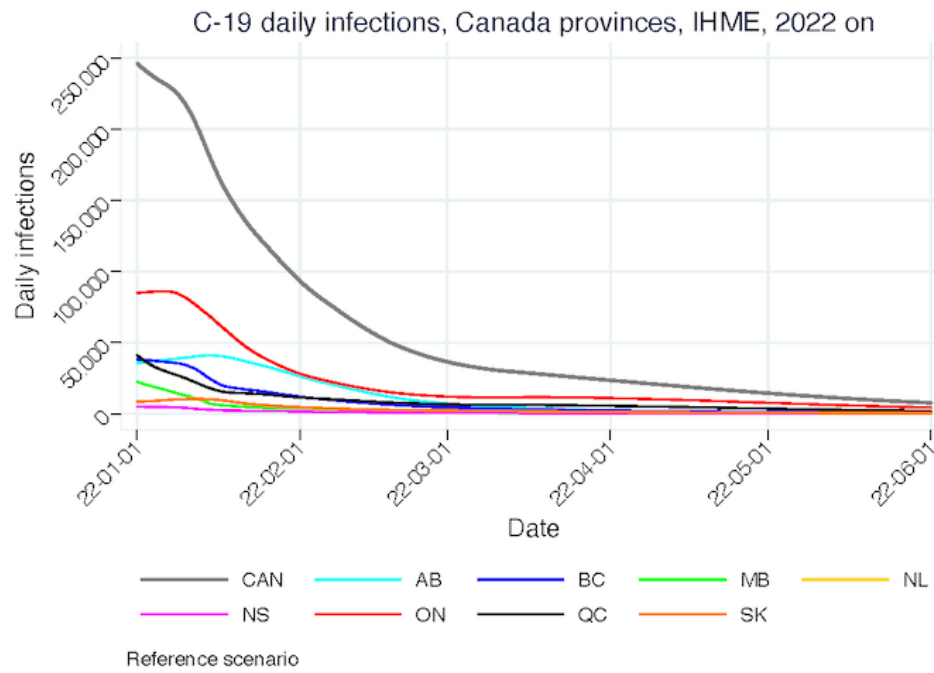
(12) Canada Provinces [Daily infections, Reference scenario, IHME, 2020 on](#)



(13) Canada Provinces [Daily infections, Reference scenario, IHME, 2021 on](#)



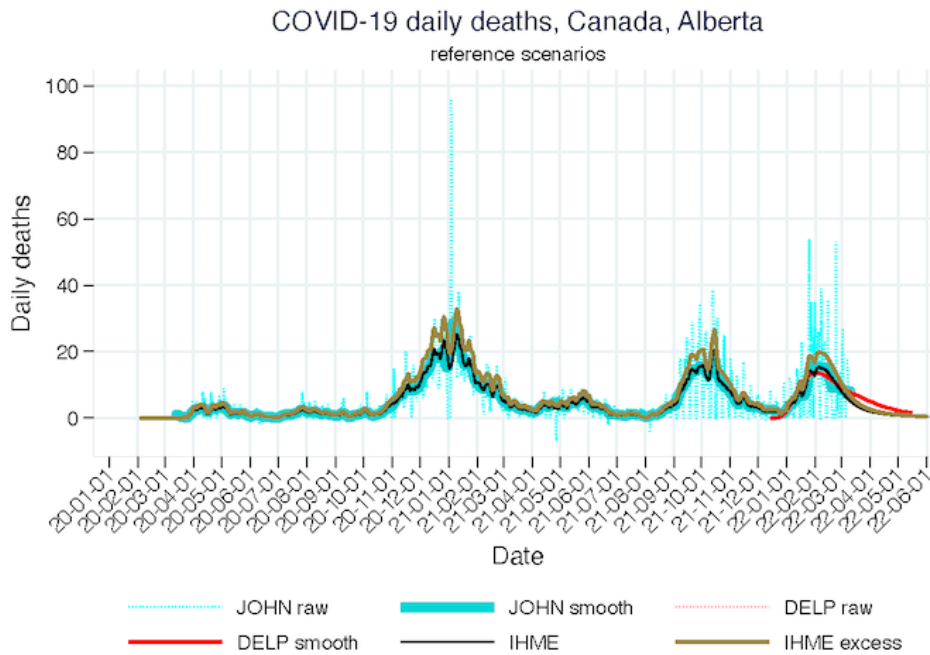
(14) Canada Provinces [Daily infections, Reference scenario, IHME, 2022](#)



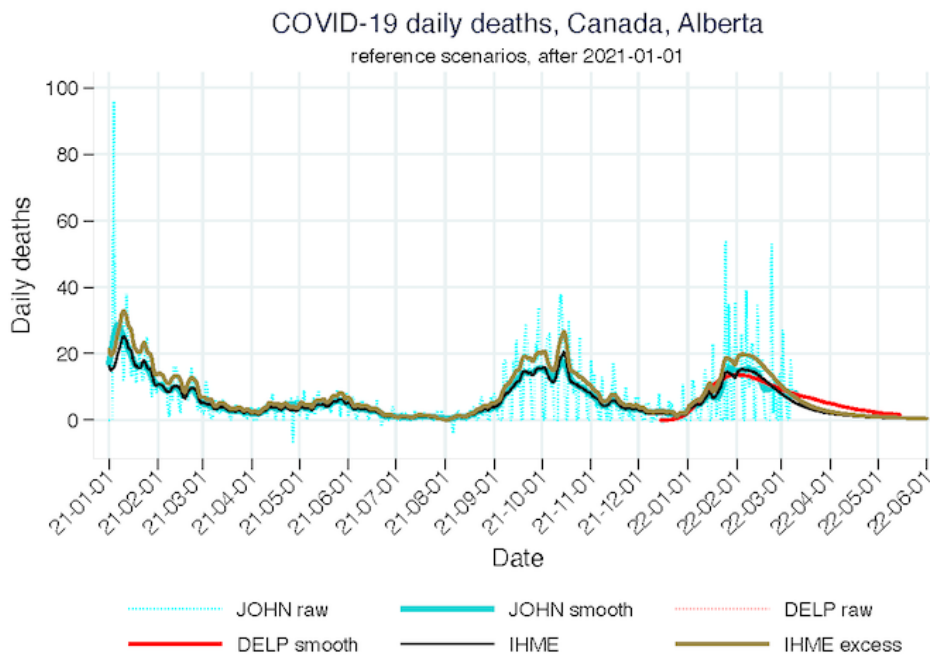


## Selected graphs - Alberta

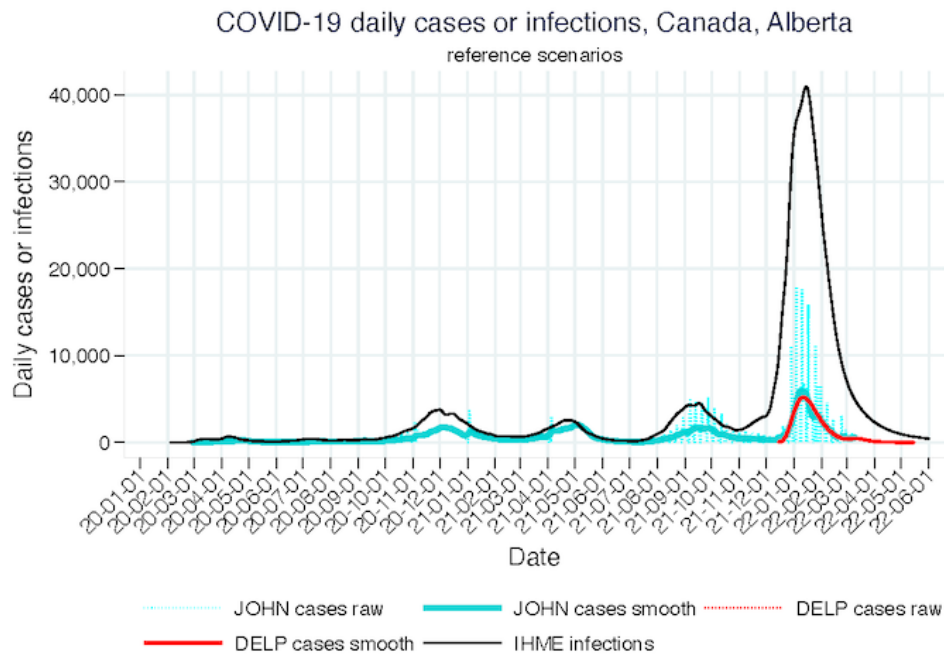
### (1) Alberta [Daily deaths, Reference scenario, 2020 on](#)



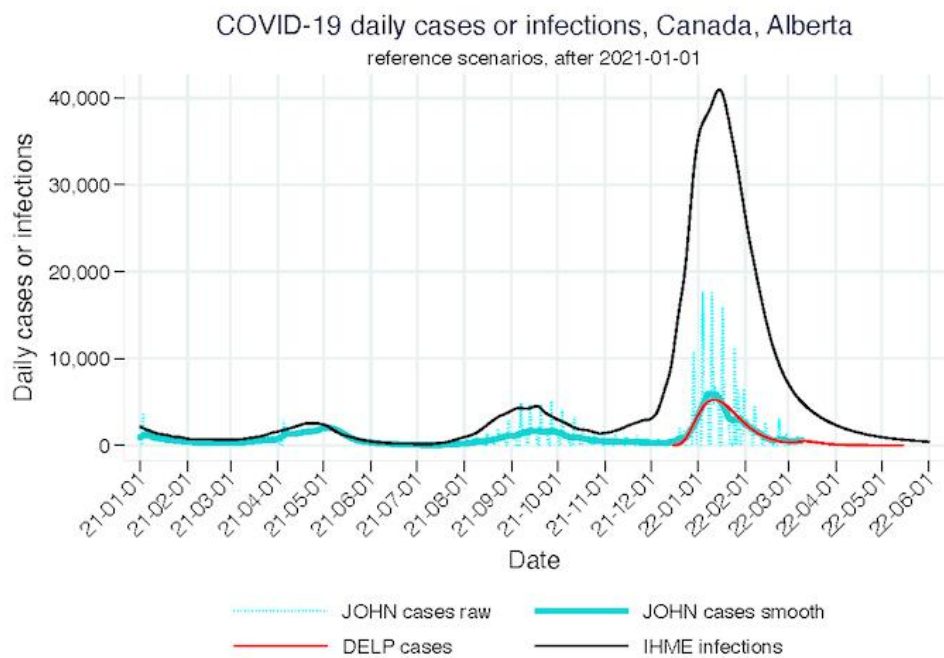
### (2) Alberta [Daily deaths, Reference scenario, 2021 on](#)



(3) Alberta [Daily cases or infections, Reference scenario, 2020 on](#)

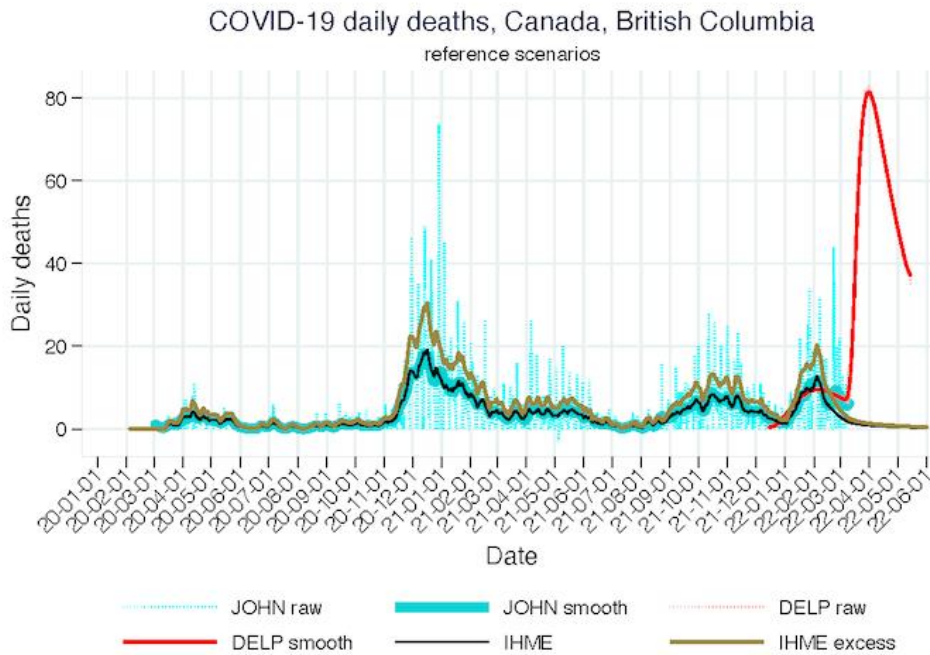


(4) Alberta [Daily cases or infections, Reference scenario, 2021 on](#)

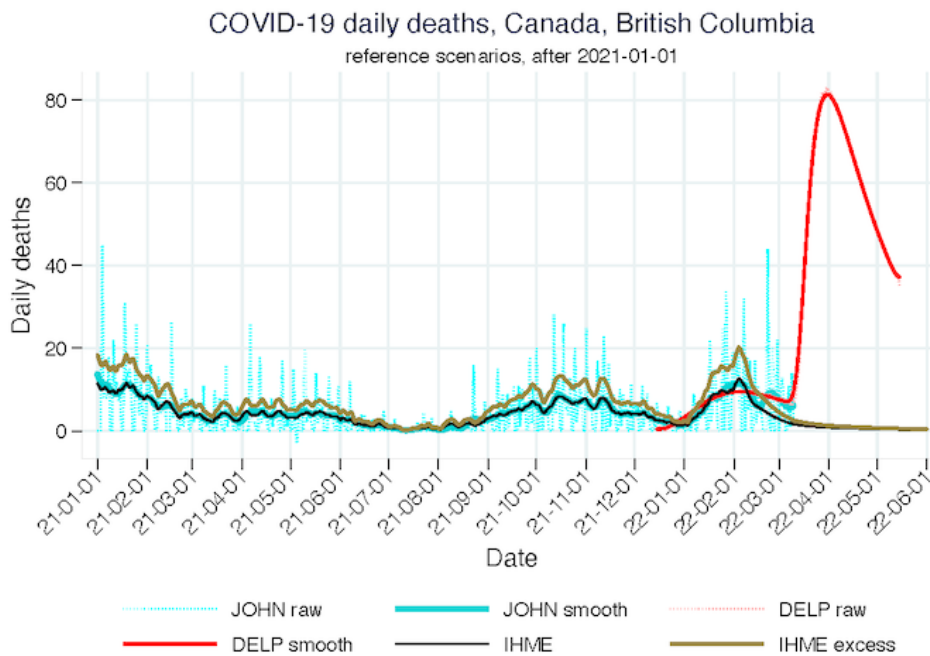


## Selected graphs - British Columbia

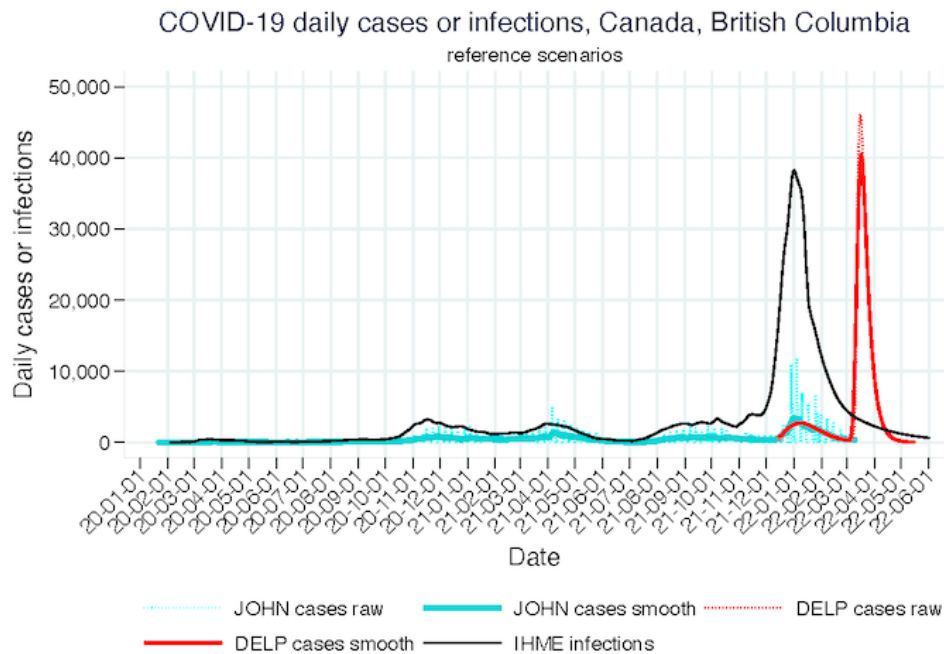
(1) British Columbia [Daily deaths, Reference scenario, 2020 on](#)



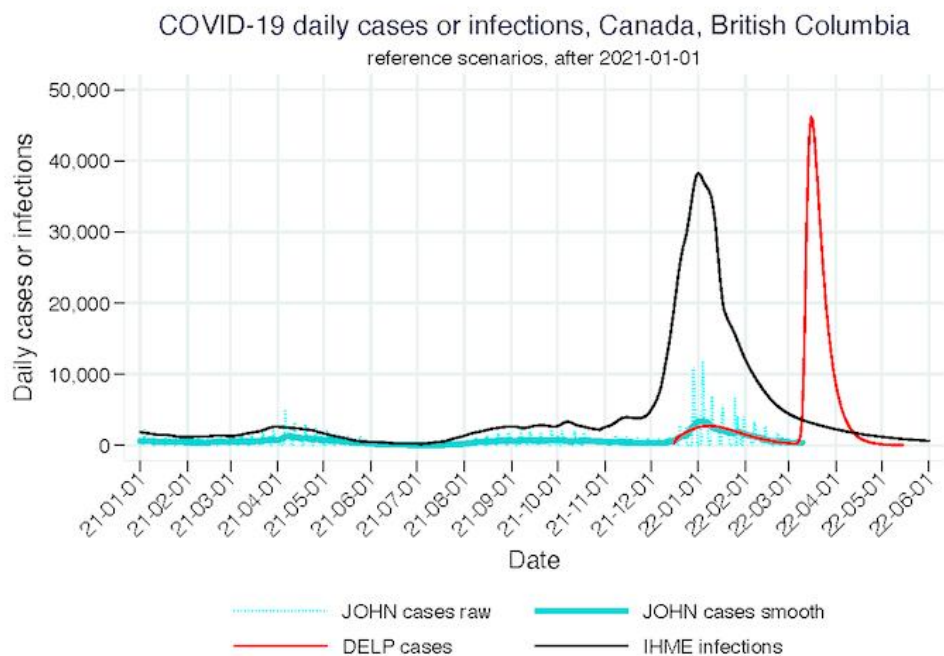
(2) British Columbia [Daily deaths, Reference scenario, 2021 on](#)



(3) British Columbia [Daily cases or infections, Reference scenario, 2020 on](#)

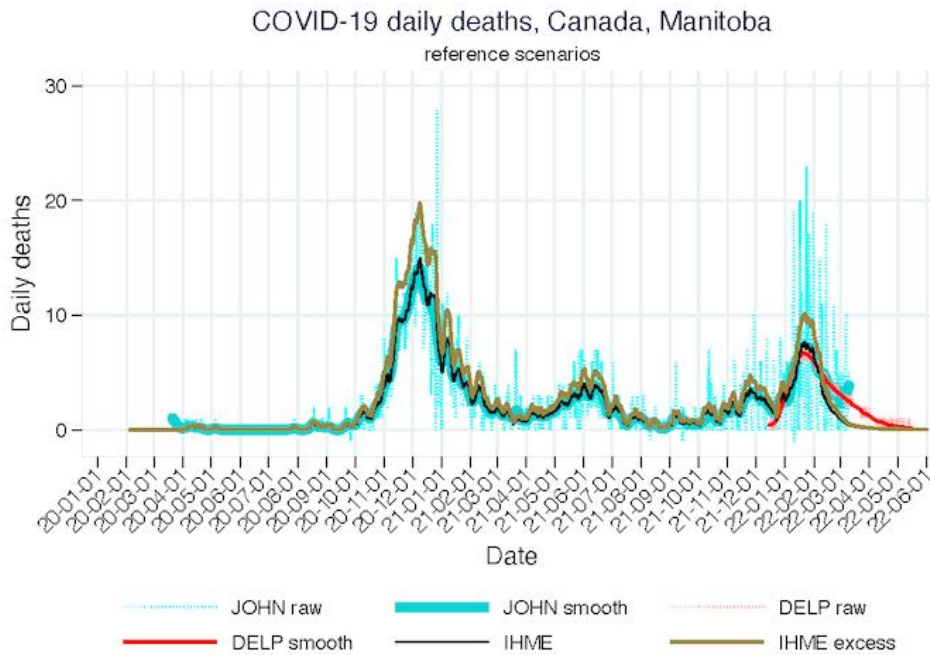


(4) British Columbia [Daily cases or infections, Reference scenario, 2021 on](#)

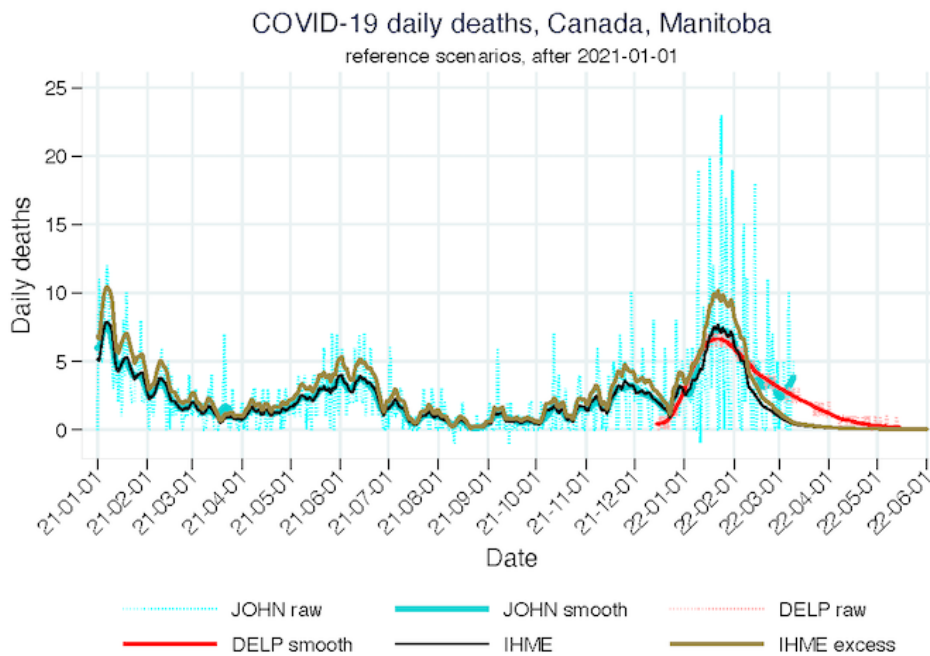


## Selected graphs - Manitoba

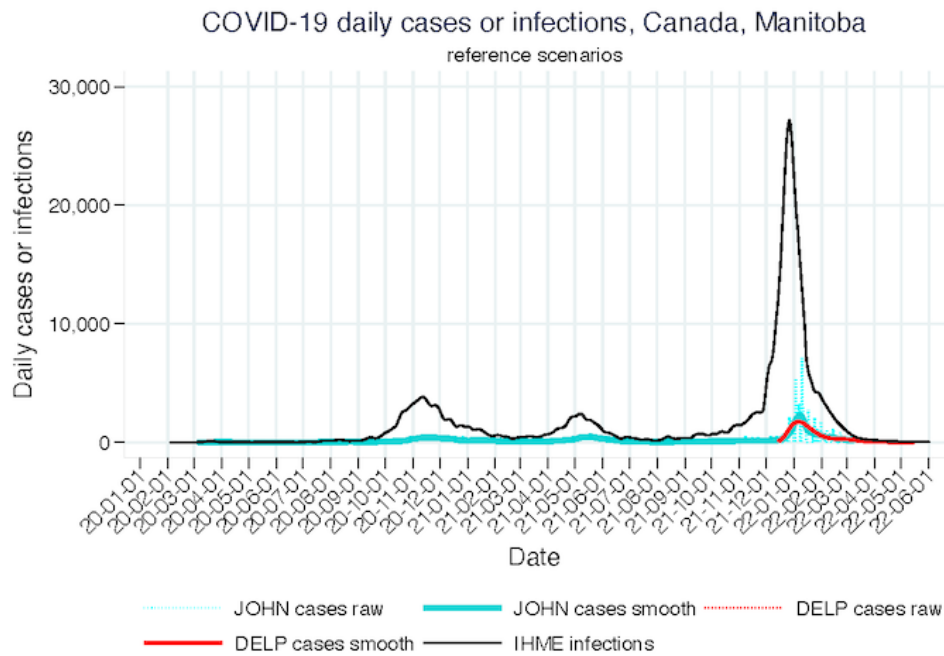
### (1) Manitoba [Daily deaths, Reference scenario, 2020 on](#)



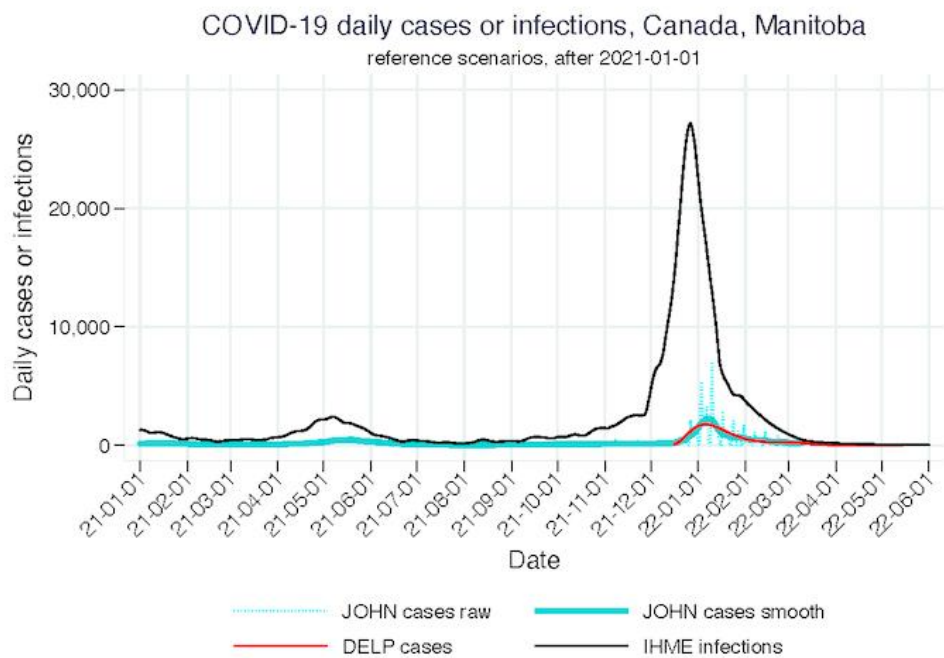
### (2) Manitoba [Daily deaths, Reference scenario, 2021 on](#)



(3) Manitoba [Daily cases or infections, Reference scenario, 2020 on](#)



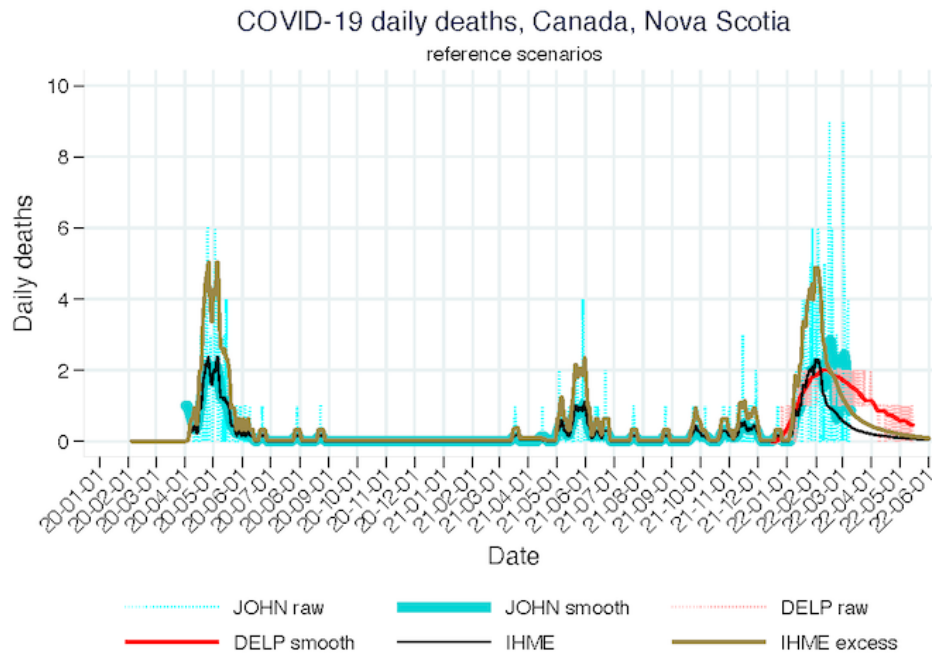
(4) Manitoba [Daily cases or infections, Reference scenario, 2021 on](#)



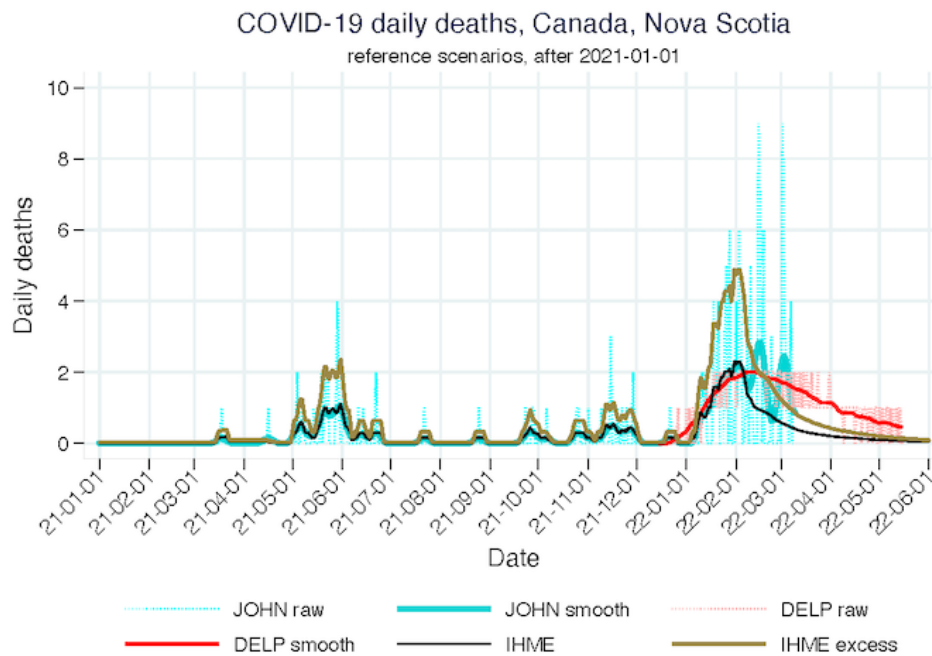


## Selected graphs - Nova Scotia

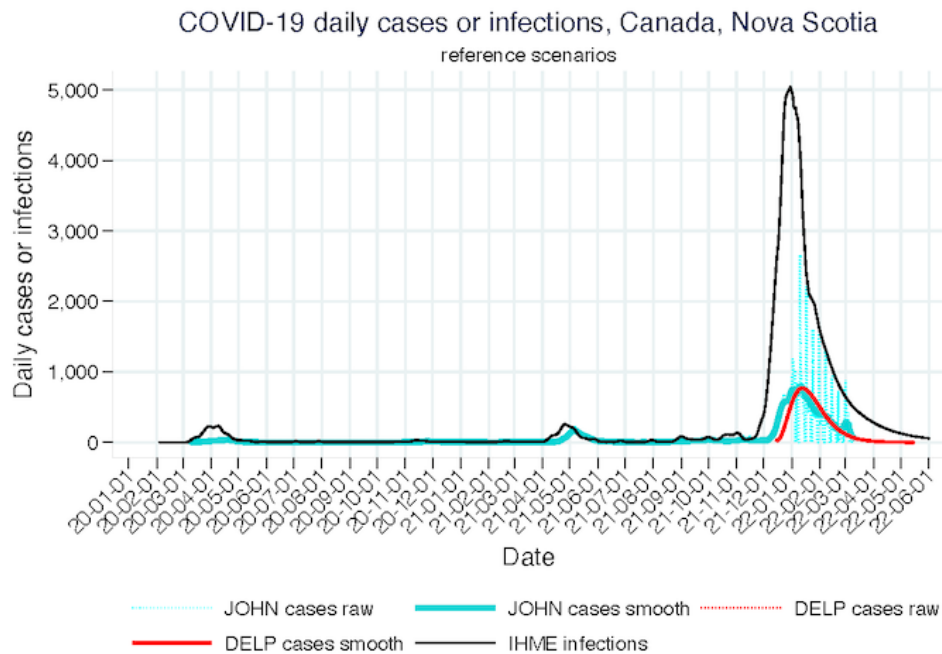
(1) Nova Scotia [Daily deaths, Reference scenario, 2020 on](#)



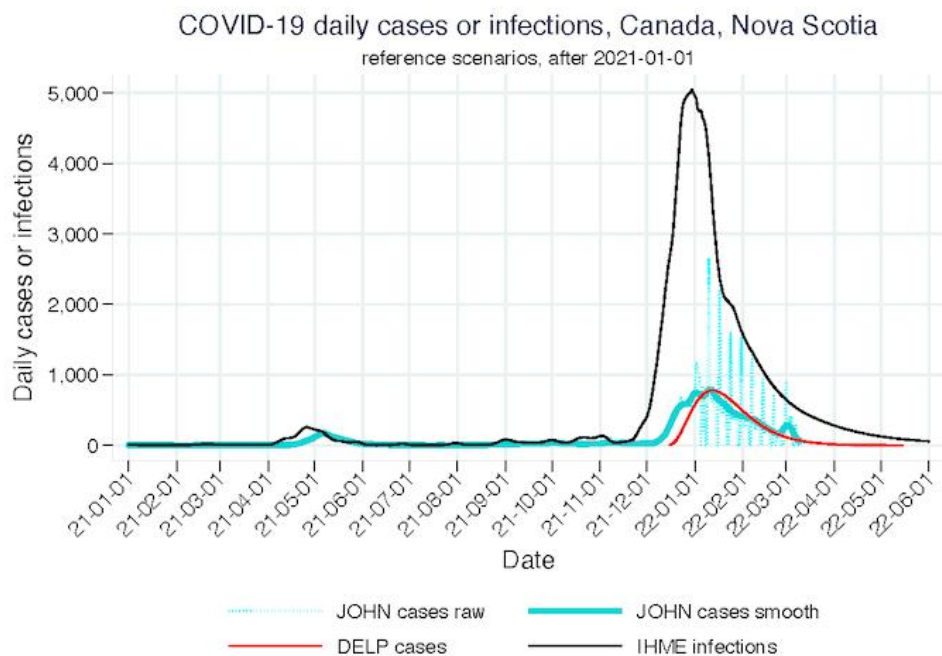
(2) Nova Scotia [Daily deaths, Reference scenario, 2021 on](#)



(3) Nova Scotia [Daily cases or infections, Reference scenario, 2020 on](#)



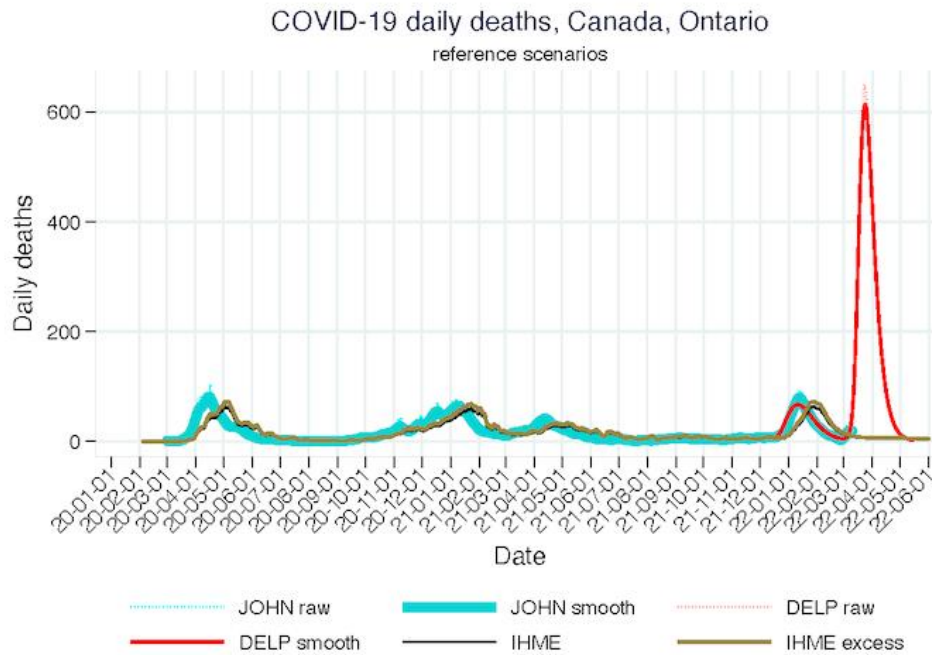
(4) Nova Scotia [Daily cases or infections, Reference scenario, 2021 on](#)



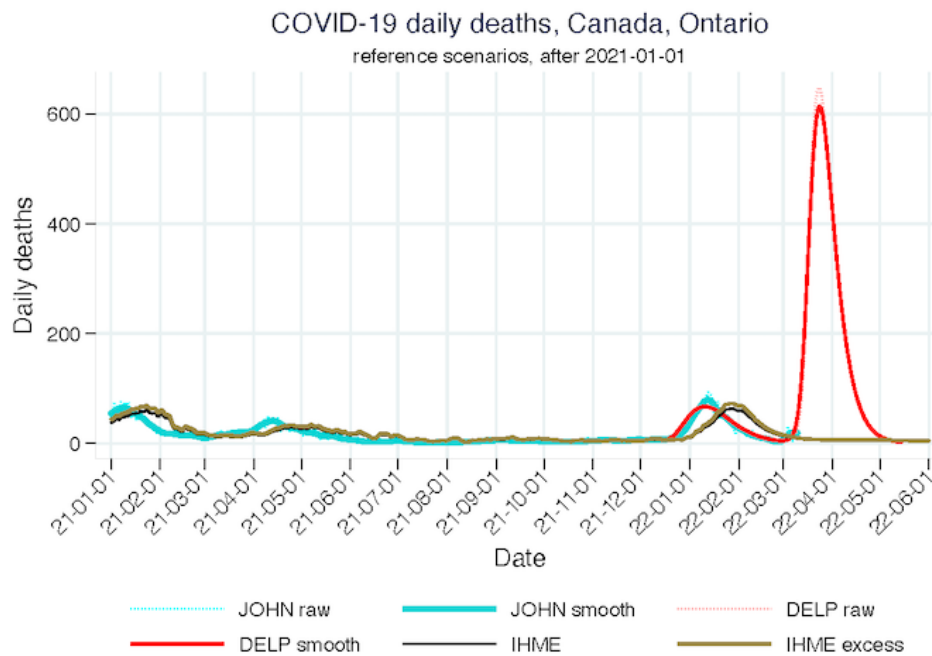


## Selected graphs - Ontario

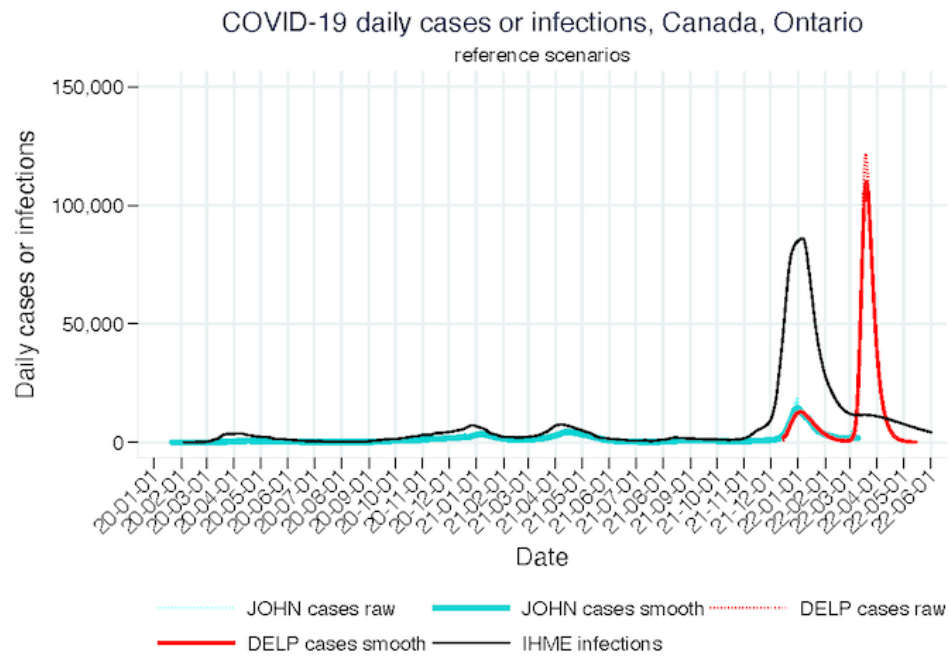
### (1) Ontario [Daily deaths, Reference scenario, 2020 on](#)



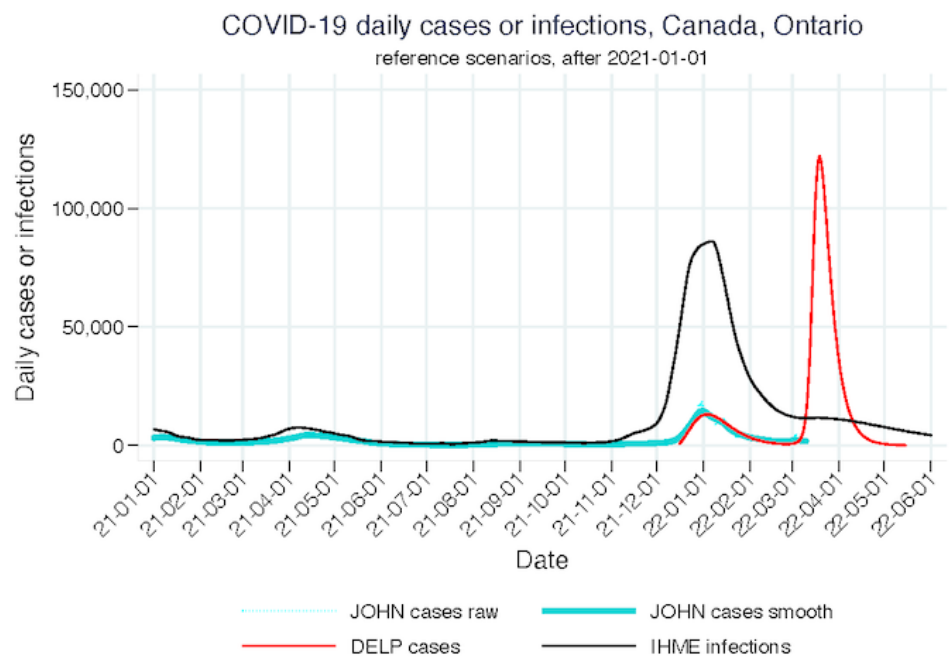
### (2) Ontario [Daily deaths, Reference scenario, 2021 on](#)



(3) Ontario [Daily cases or infections, Reference scenario, 2020 on](#)

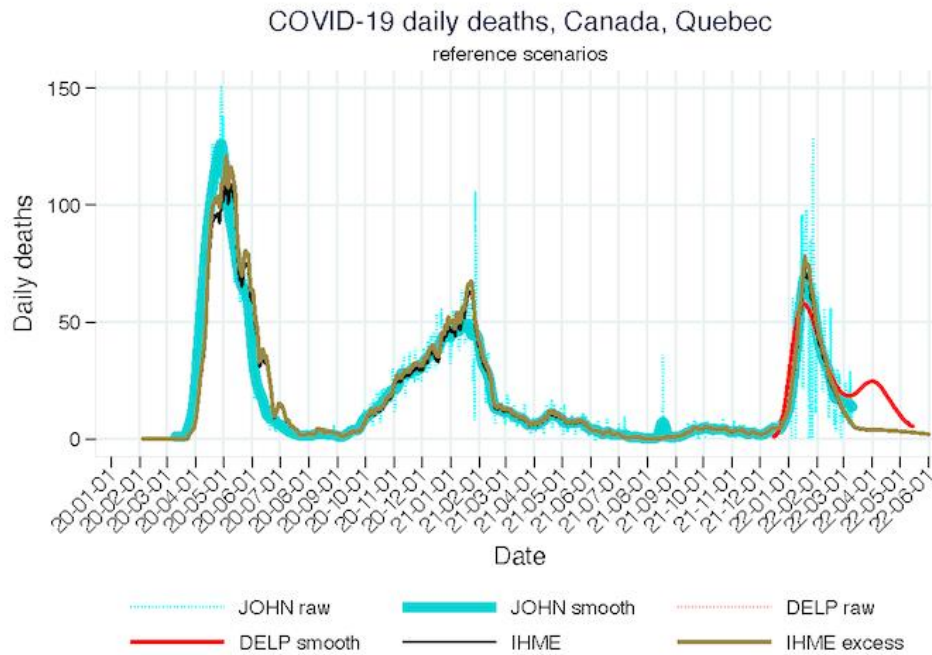


(4) Ontario [Daily cases or infections, Reference scenario, 2021 on](#)

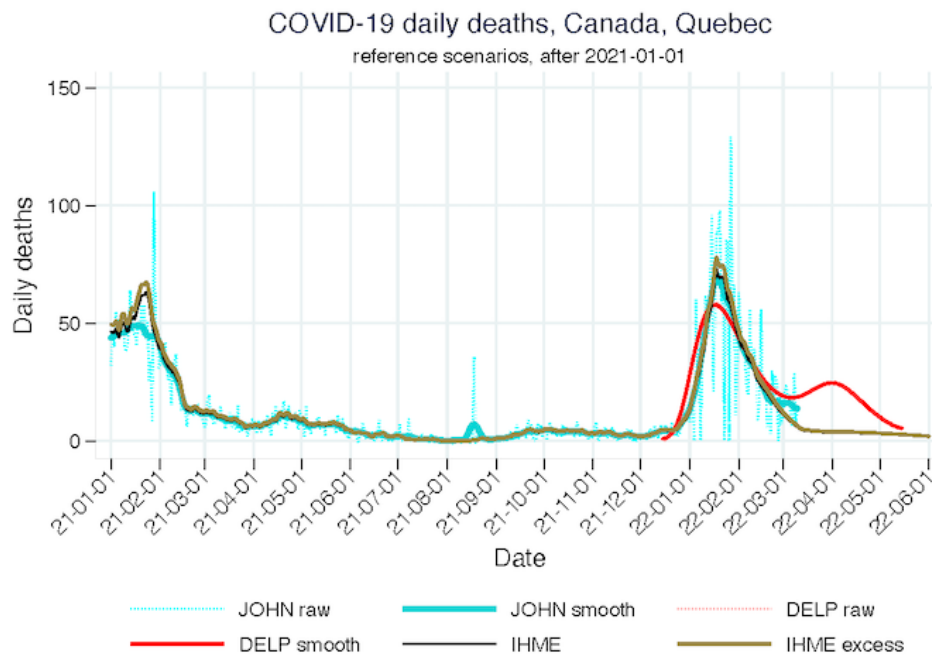


## Selected graphs - Quebec

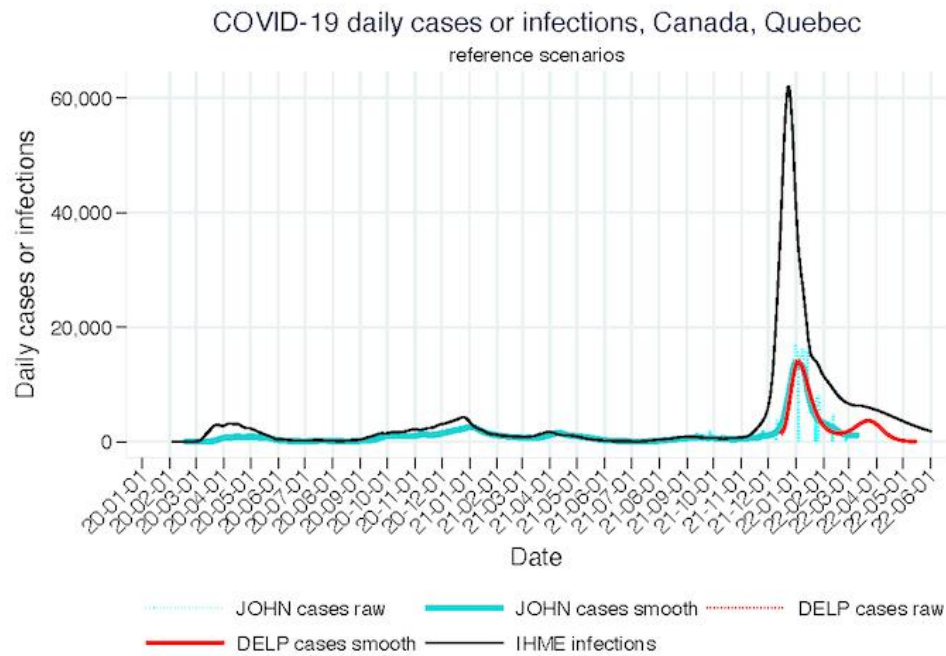
### (1) Quebec [Daily deaths, Reference scenario, 2020 on](#)



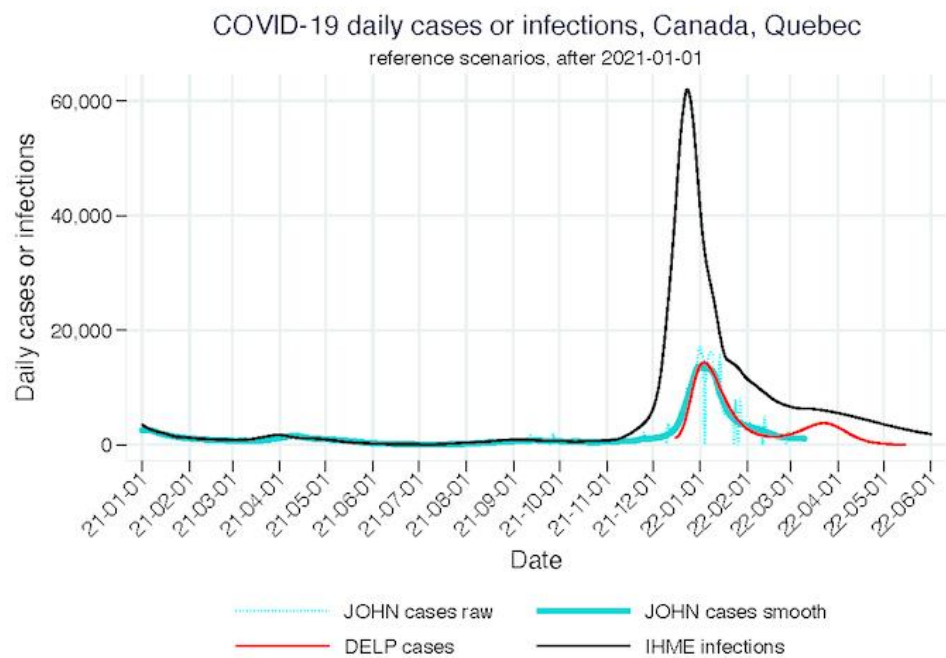
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(3) Quebec [Daily cases or infections, Reference scenario, 2020 on](#)

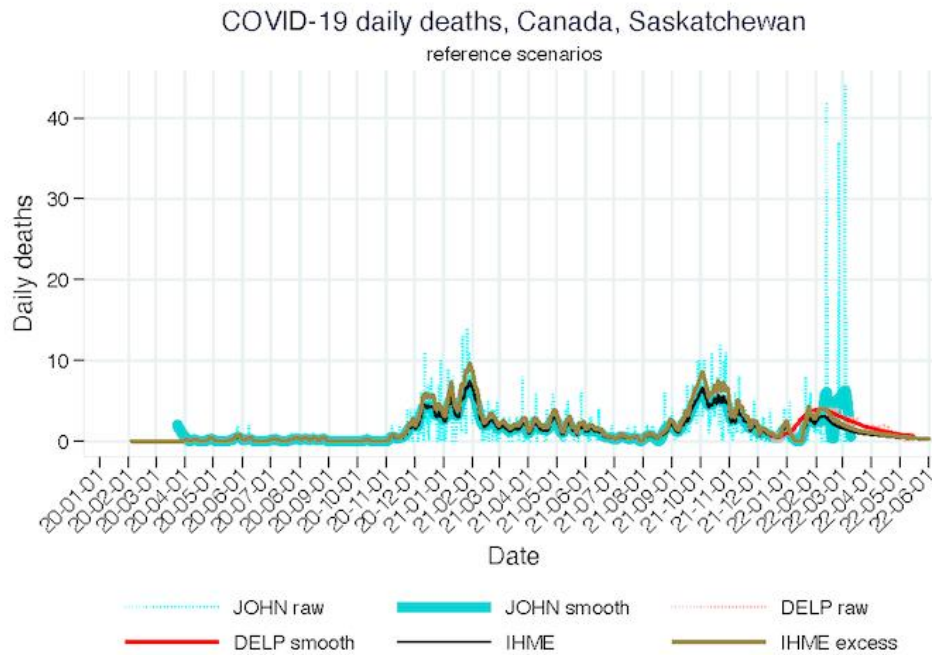


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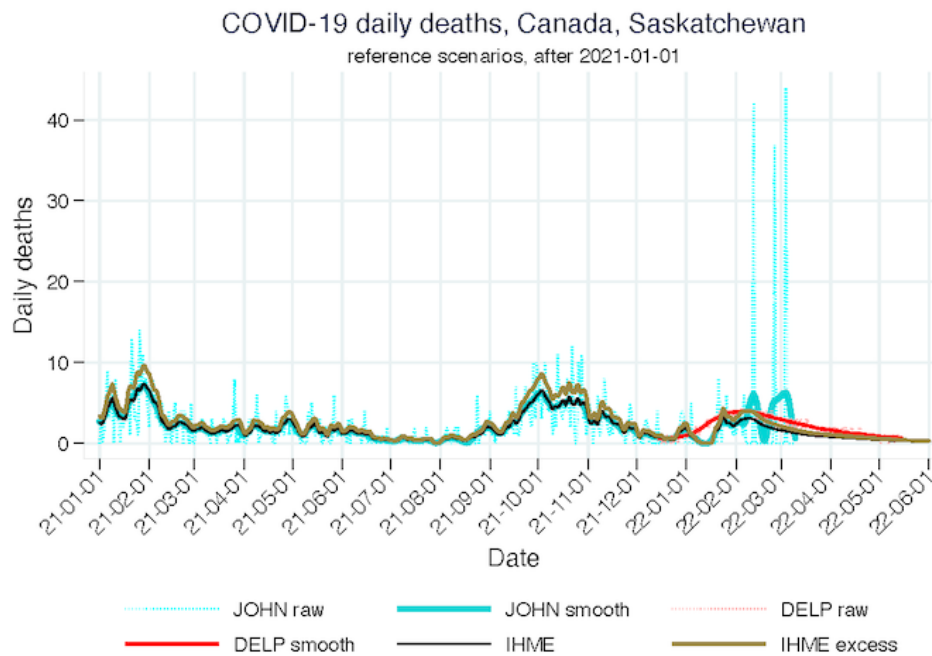


## Selected graphs - Saskatchewan

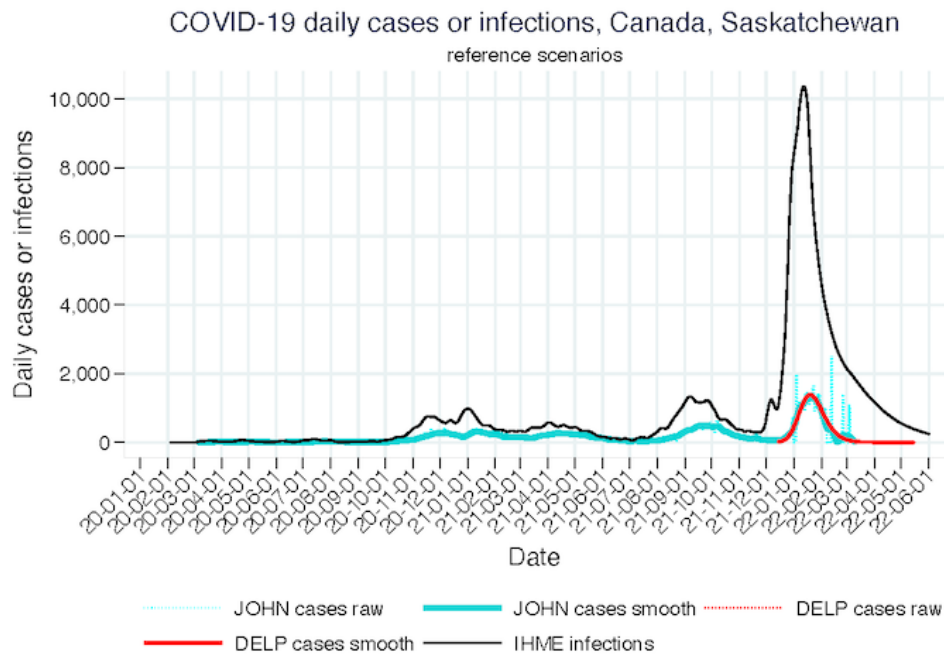
### (1) Saskatchewan [Daily deaths, Reference scenario, 2020 on](#)



### (2) Saskatchewan [Daily deaths, Reference scenario, 2021 on](#)



(3) Saskatchewan [Daily cases or infections, Reference scenario, 2020 on](#)



(4) Saskatchewan [Daily cases or infections, Reference scenario, 2021 on](#)

