

Canada COVID-19 epidemic models situation report No 58 - 2022-07-01

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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**

See <https://github.com/pourmalek/CovidVisualizedCountry>

Study update dates in uptake 20220708

DELP 20220618, IHME 20220610, **IMPE 20220620**, **SRIV 20220708**

Days old: DELP 21, IHME 29, IMPE 19, SRIV 0

The latest IMPE update 20220620 was released on 20220704.

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](#)

Journal article for this work:

Pourmalek F. CovidVisualized: Visualized compilation of international updated models' estimates of COVID-19 pandemic at global and country levels. *BMC Res Notes*. 2022 Apr 9;15(1):136. doi: 10.1186/s13104-022-06020-4. PMID: 35397567.

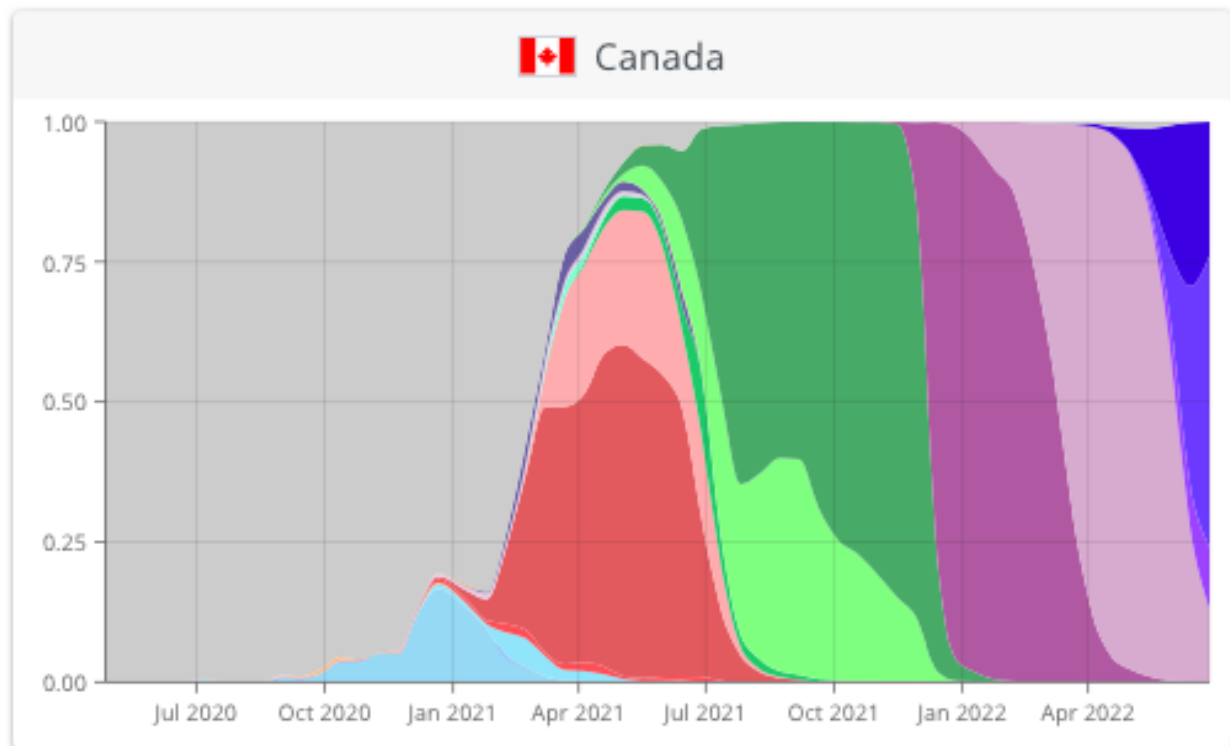
[Publisher](#) || [PubMed](#) || [PDF](#)

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Selected graphs - Canada, National











(000) Canada [Variants composition, Ending 11 July 2022, CoVariants by Emma B. Hodcroft](#)



Legend (Number sequenced and Frequency as of 20220711) :

27 Jun 2022 - 11 Jul 2022		
Variant	Num seq	Freq
22B (Omicron)	148	0.52
22C (Omicron)	68	0.24
21L (Omicron)	37	0.13
22A (Omicron)	31	0.11
others	-	-
S:677P.Pelican	-	-
S:677H.Robin1	-	-
21K (Omicron)	-	-
21J (Delta)	-	-
21I (Delta)	-	-
21H (Mu)	-	-
21G (Lambda)	-	-
21D (Eta)	-	-
21C (Epsilon)	-	-
21B (Kappa)	-	-
21A (Delta)	-	-
20J (Gamma, V3)	-	-
20I (Alpha, V1)	-	-
20H (Beta, V2)	-	-
20E (EU1)	-	-
20C/S:80Y	-	-
20B/S:732A	-	-
20A/S:98F	-	-
20A/S:439K	-	-
20A/S:126A	-	-
20A.EU2	-	-
Total	284	1.00

Mapping of variants nomenclature schemes

Nextstrain Clade	Pango Lineage	WHO Label 	Other
20I (Alpha, V1)	B.1.1.7 	α Alpha	VOC_202012/01
20H (Beta, V2)	B.1.351 	β Beta	501Y.V2
20J (Gamma, V3)	P.1 	γ Gamma	
21A (Delta)	B.1.617.2 	δ Delta	
21I (Delta)		δ Delta	
21J (Delta)		δ Delta	
21B (Kappa)	B.1.617.1 	κ Kappa	
21C (Epsilon)	B.1.427, B.1.429	ε Epsilon	CAL.20C
21D (Eta)	B.1.525 	η Eta	
21F (Iota)	B.1.526	ι Iota	(Part of Pango lineage)
21G (Lambda)	C.37	λ Lambda	
21H (Mu)	B.1.621	μ Mu	
21K (Omicron)	BA.1 	ο Omicron	
21L (Omicron)	BA.2 	ο Omicron	
22A (Omicron)	BA.4 	ο Omicron	
22B (Omicron)	BA.5 	ο Omicron	
22C (Omicron)	BA.2.12.1 	ο Omicron	
20E (EU1)	B.1.177		EU1
20B/S: 732 A	B.1.1.519		
20A/S: 126 A	B.1.620		
20A_EU2	B.1.160		
20A/S: 439 K	B.1.258		
20A/S: 98 F	B.1.221		
20C/S: 80 Y	B.1.367		
20B/S: 626 S	B.1.1.277		
20B/S: 1122 L	B.1.1.302		

<https://covariants.org>

CoVariants uses the Nextstrain naming system for variants ([here](#)).

WHO variants nomenclature scheme ([here](#)).

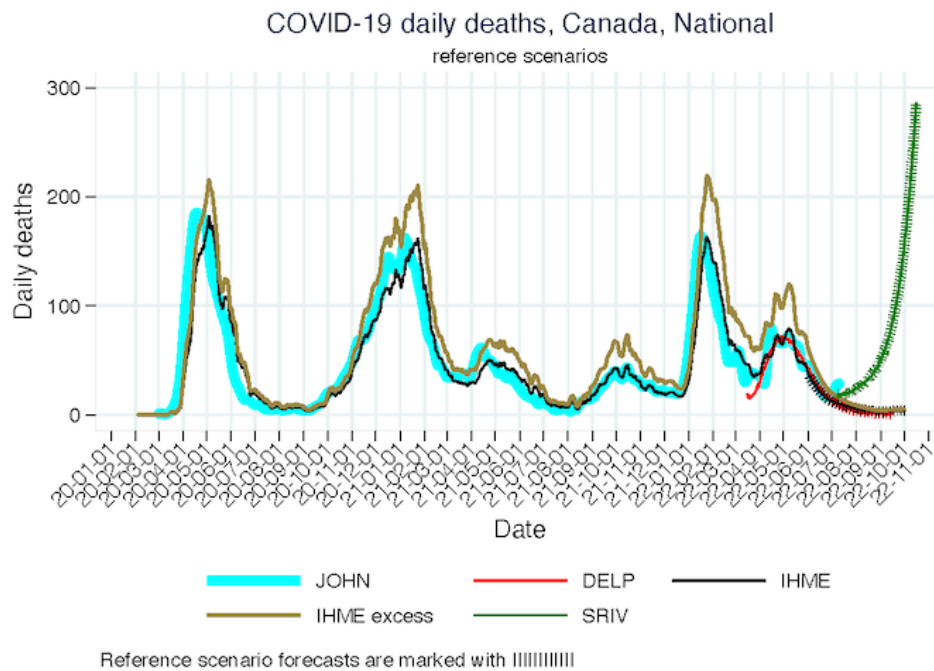
SOURCE CITATION: Emma B. Hodcroft. 2021. "CoVariants: SARS-CoV-2 Mutations and Variants of Interest." <https://covariants.org/>

SOURCE WEB PAGE: <https://covariants.org/per-country>

DATE ACCESED: 20220711

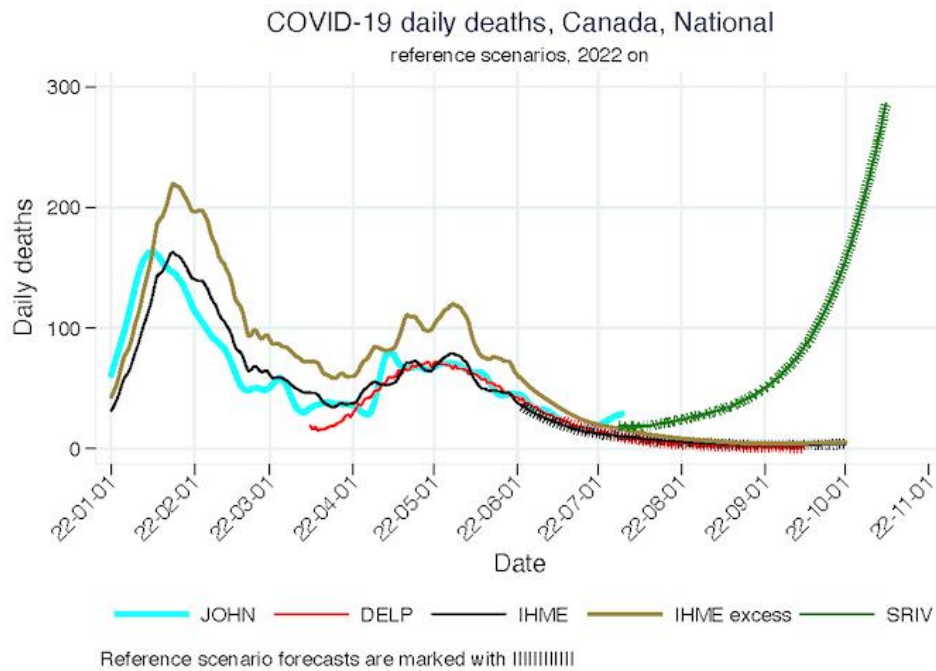
SOURCE LICENSE: This CoVariants code and work is licensed under a [GNU Affero General Public License \(AGPL\)](#). You can view this license [here](#)

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

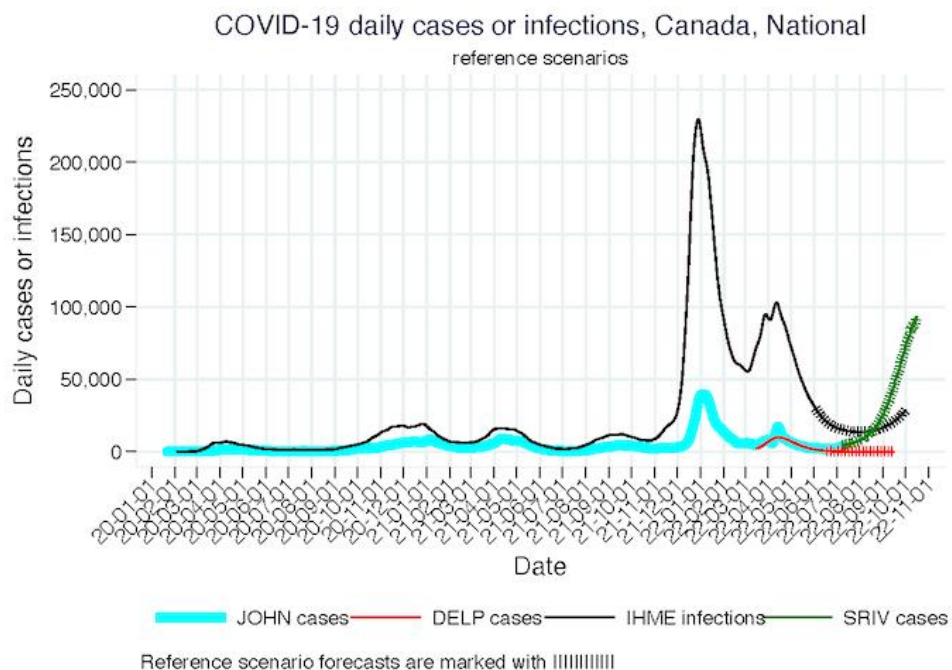


(2) Canada National [Daily deaths, All scenarios, 2021 on](#)

(2b) Canada National [Daily deaths, All scenarios, 2022 on](#)

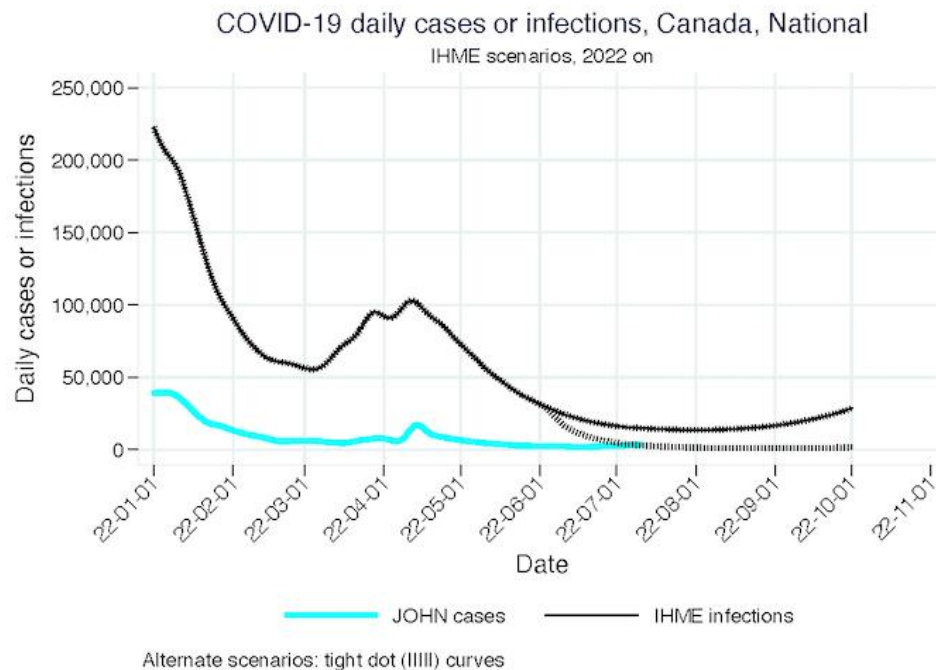


(3) Canada National [Daily cases or infections, Reference scenarios, 2020 on](#)



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

(4b) Canada National [Daily cases or infections, All scenarios, 2022 on](#)



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

(6) Canada National [Daily hospital-related outcomes, without IHME Bed need, Reference scenarios, 2021 on](#)

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

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

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

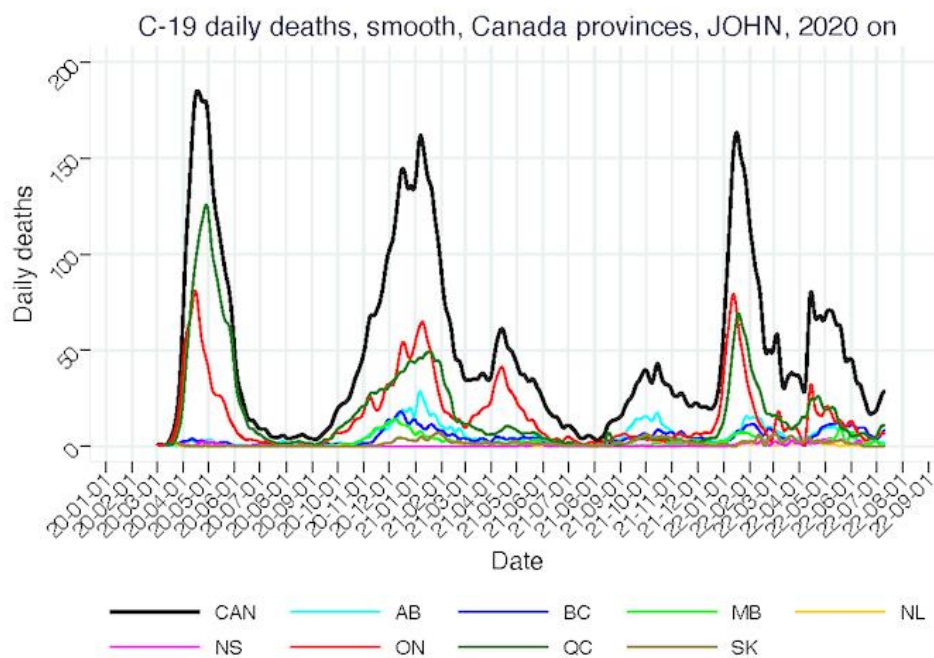
(10) Canada National [Percent cumulative vaccinated, IHME, 2020 on](#)

Selected graphs - Canada, Provinces together

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

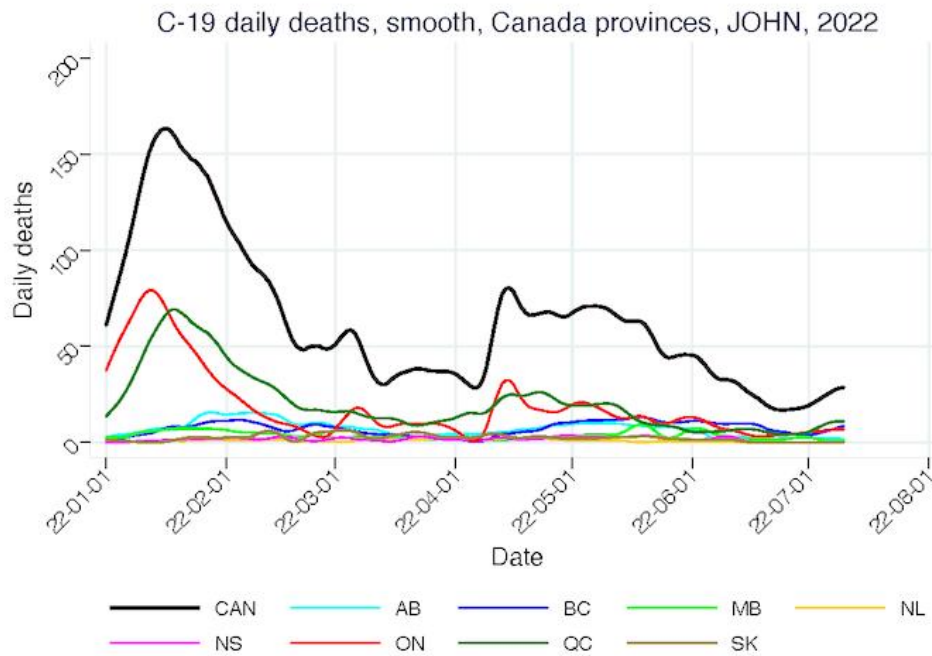
(a) Official reports to WHO, via JOHN

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

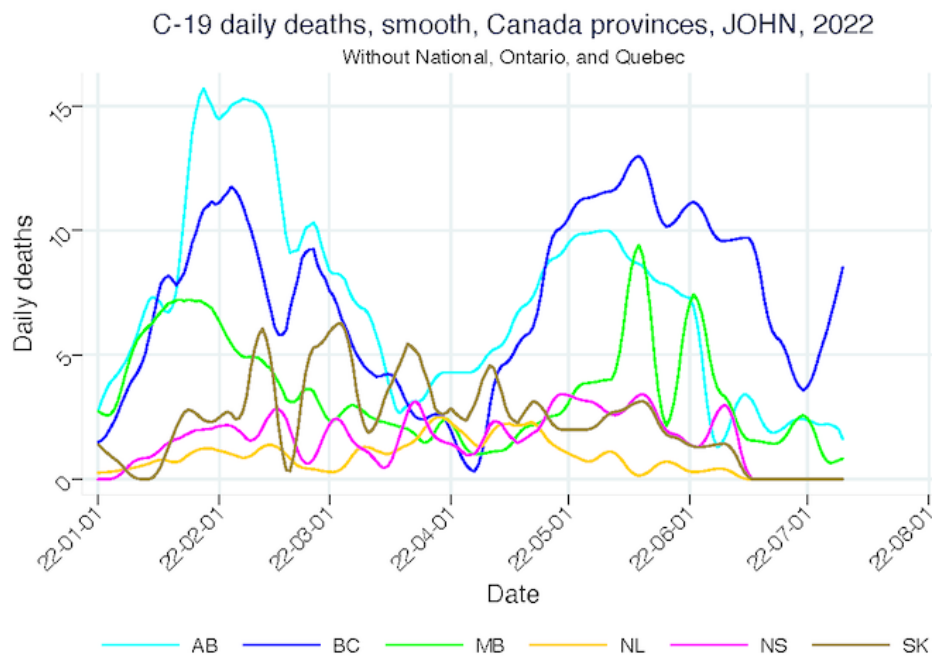


(2) Canada Provinces [Daily reported deaths, JOHN, 2021 on](#)

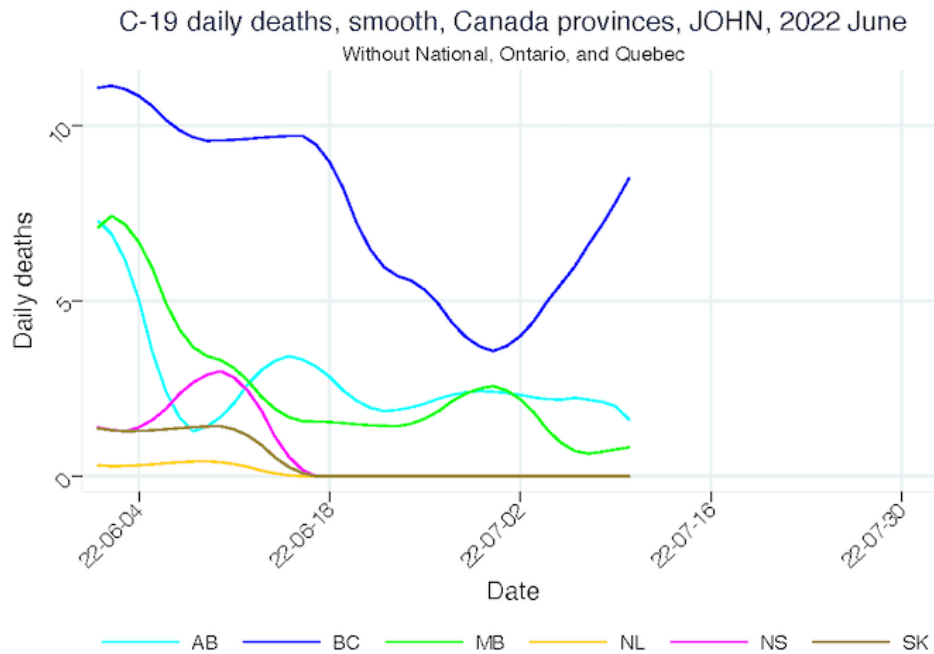
(3) Canada Provinces [Daily reported deaths, JOHN, 2022](#)



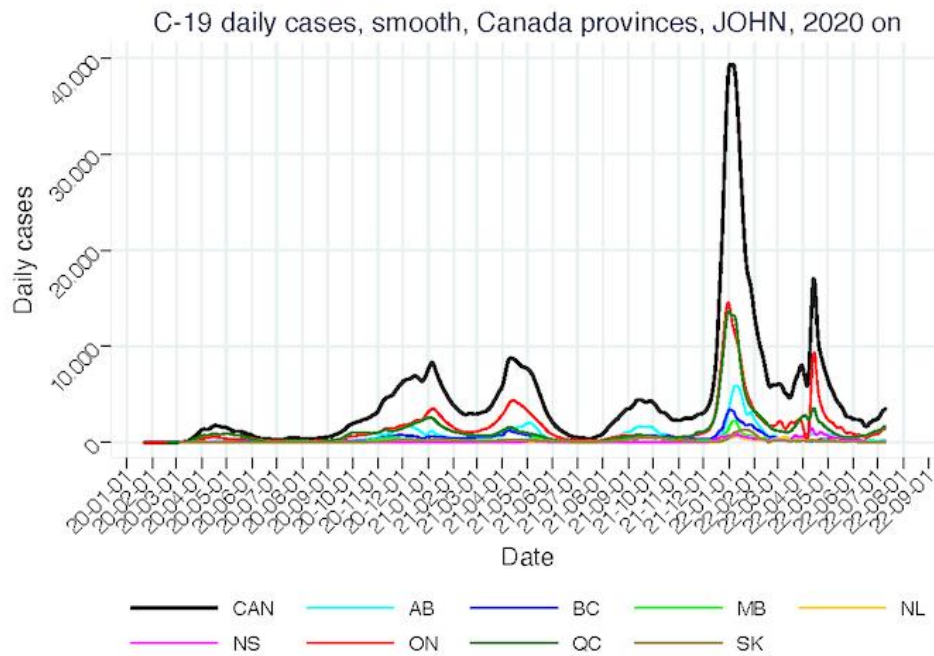
(4) Canada Provinces [Daily reported deaths, without National, Ontario, and Quebec, JOHN, 2022](#)



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

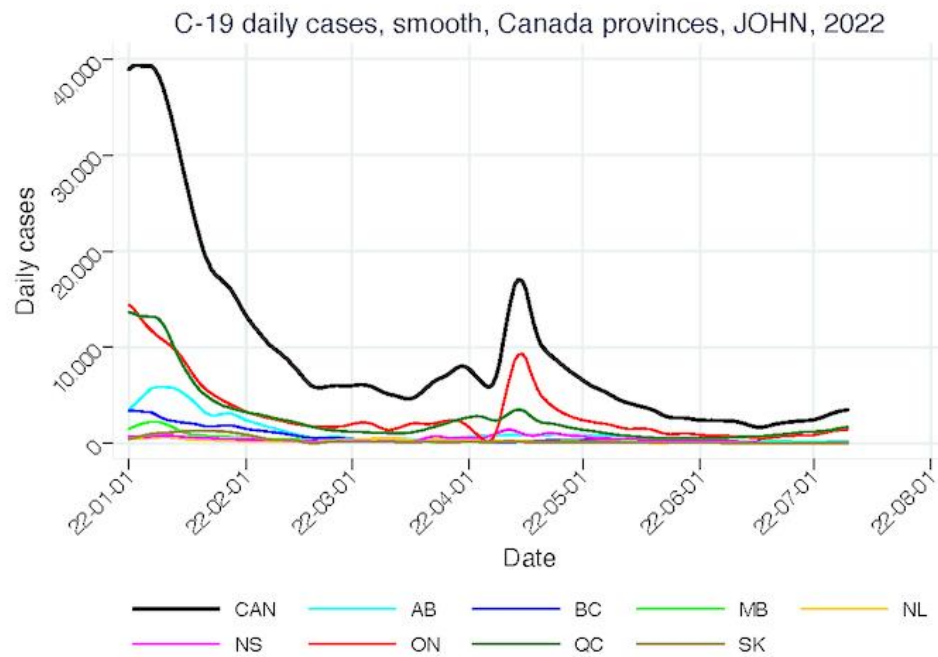


(5) Canada Provinces [Daily reported cases, JOHN, 2020 on](#)

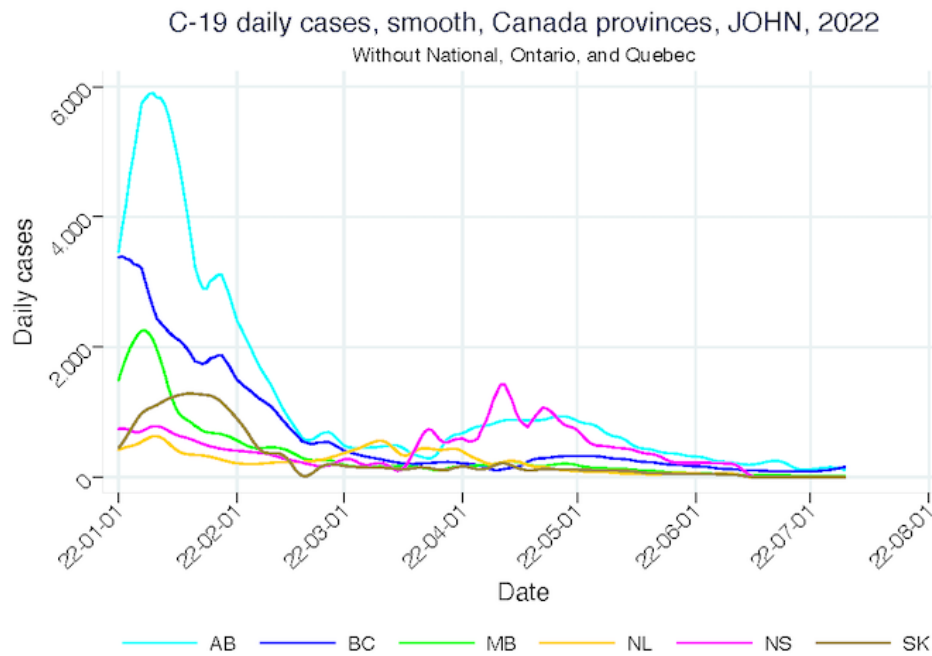


(6) Canada Provinces [Daily reported cases, JOHN, 2021 on](#)

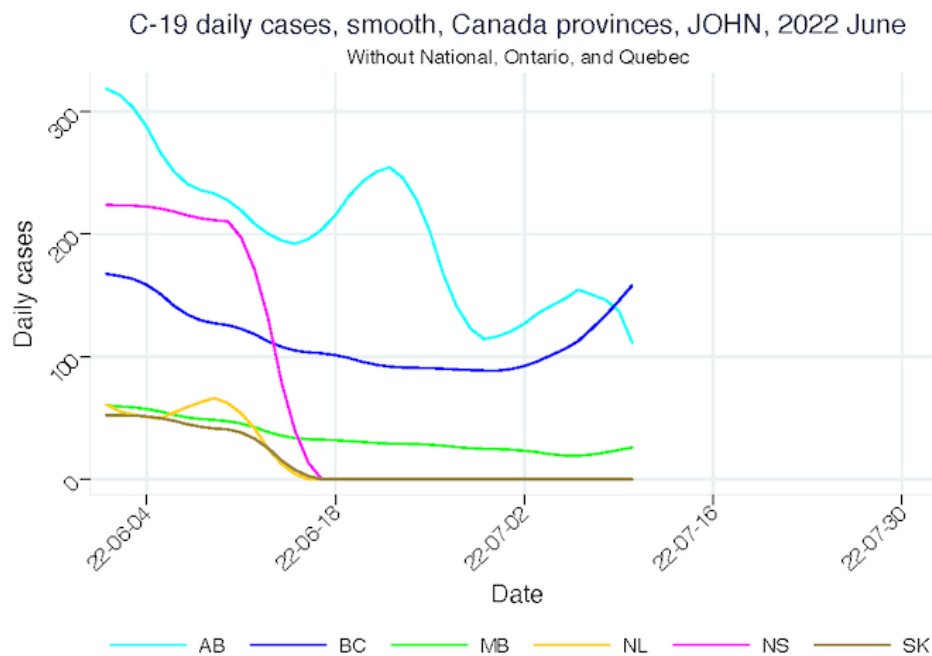
(7) Canada Provinces [Daily reported cases, JOHN, 2022](#)



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

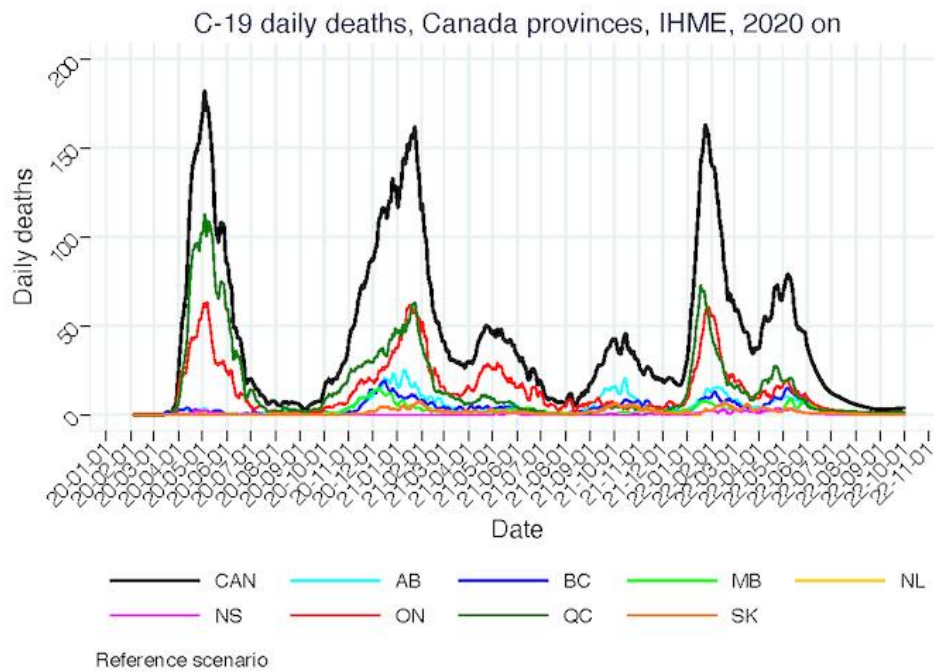


(8b) Canada Provinces [Daily reported cases, without National, Ontario, and Quebec, JOHN, 2022 June on](#)



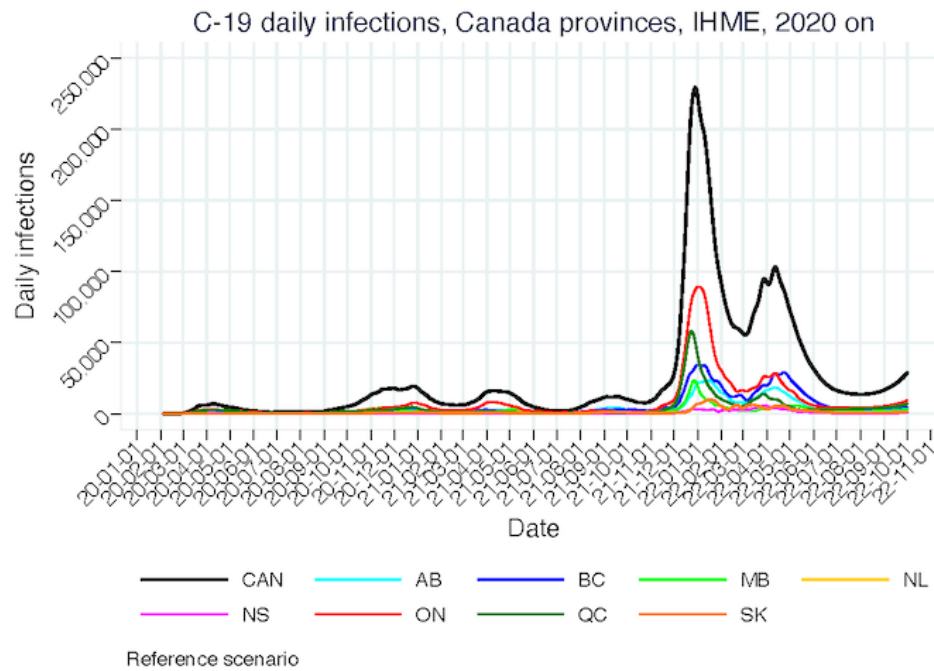
(b) Models: IHME

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

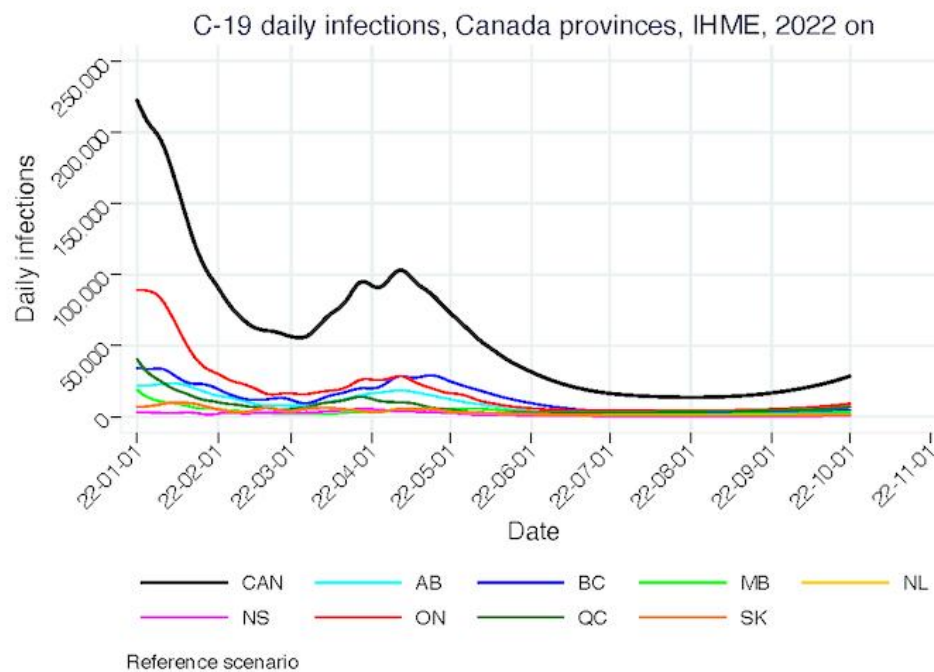


(10) Canada Provinces [Daily deaths, Reference scenario, IHME, 2021 on](#)

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

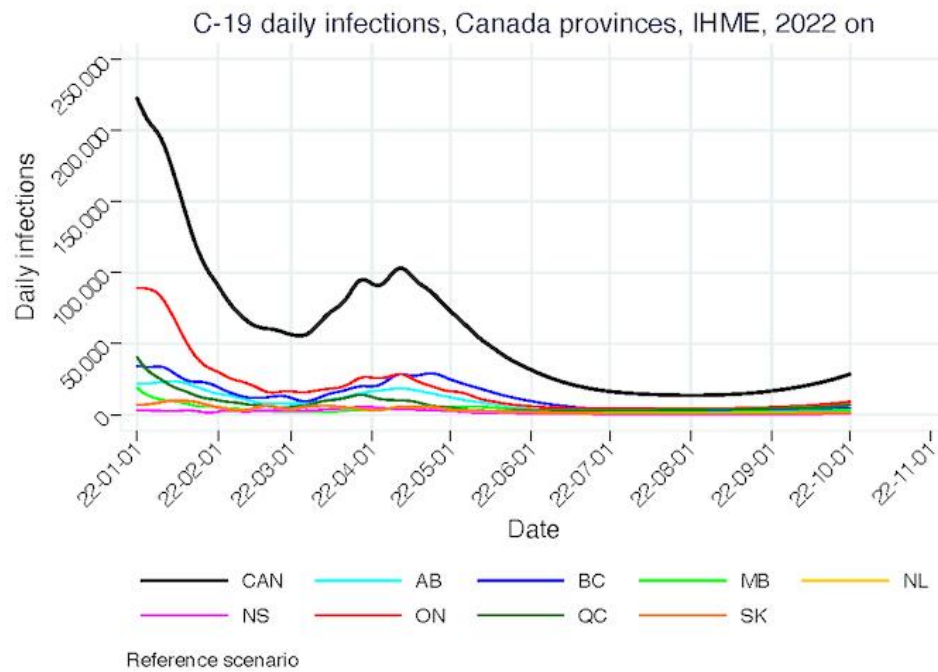


(12) Canada Provinces [Daily infections, Reference scenario, IHME, 2020 on](#)



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

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



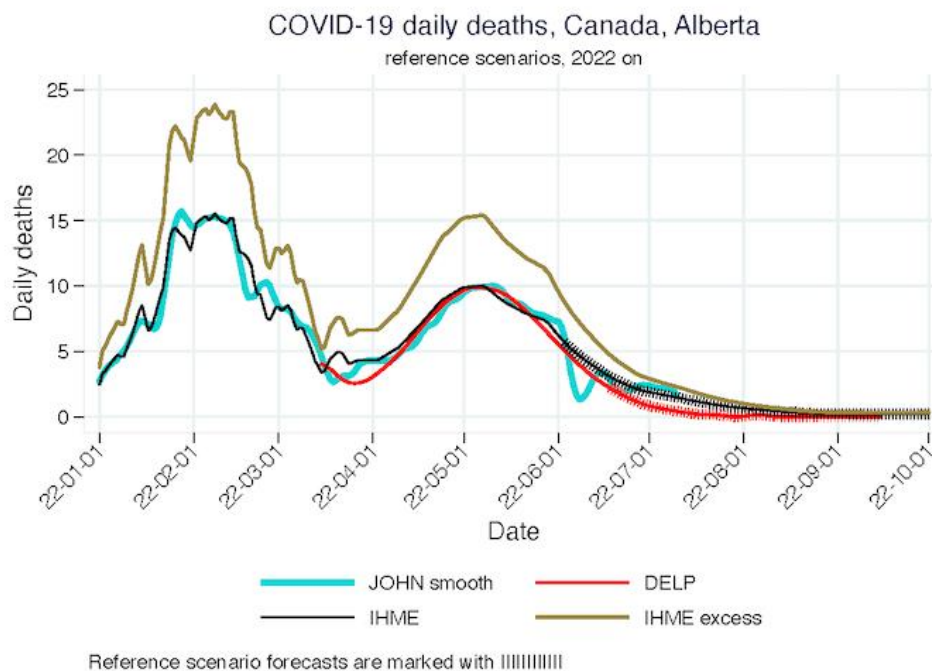
Selected graphs - Alberta

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

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

(2b) Alberta [Daily deaths, Reference scenario, 2022 on, with JOHN raw](#)

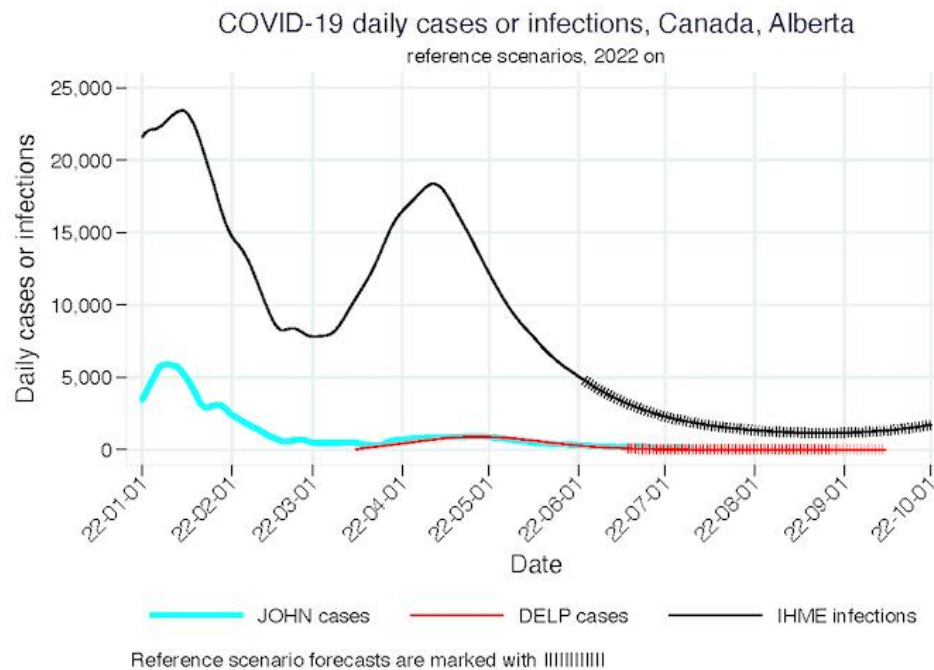
(2c) Alberta [Daily deaths, Reference scenario, 2022 on, without JOHN raw](#)



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

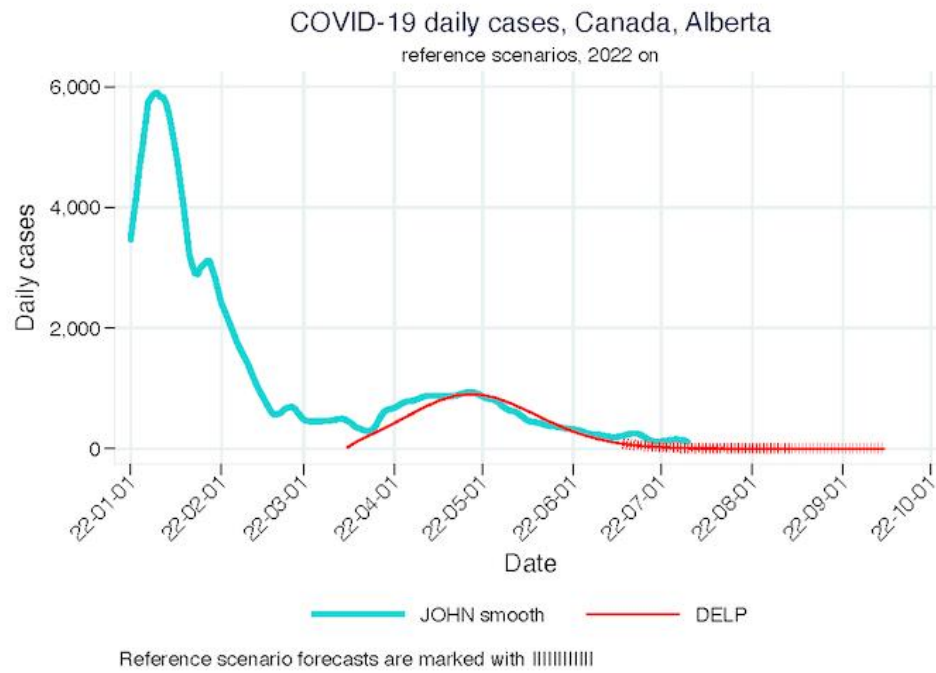
(4) Alberta [Daily cases or infections, Reference scenario, 2021 on](#)

(4b) Alberta [Daily cases or infections, Reference scenario, 2022 on](#)



(4c) Alberta [Daily cases, Reference scenario, 2022 on, with JOHN raw](#)

(4d) Alberta [Daily cases, Reference scenario, 2022 on, without JOHN raw](#)



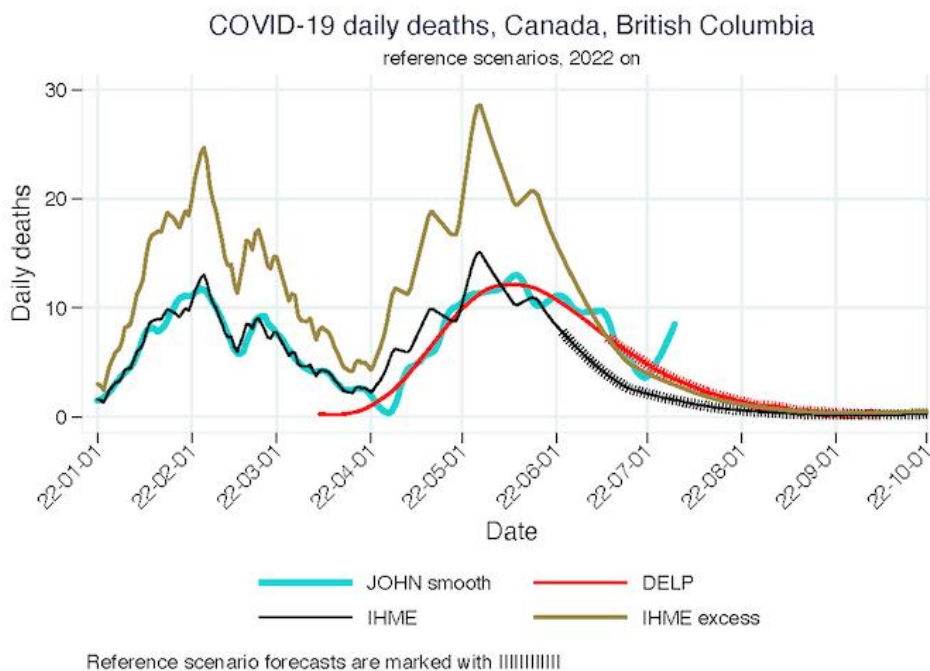
Selected graphs - British Columbia

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

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

(2b) British Columbia [Daily deaths, Reference scenario, 2022 on, with JOHN raw](#)

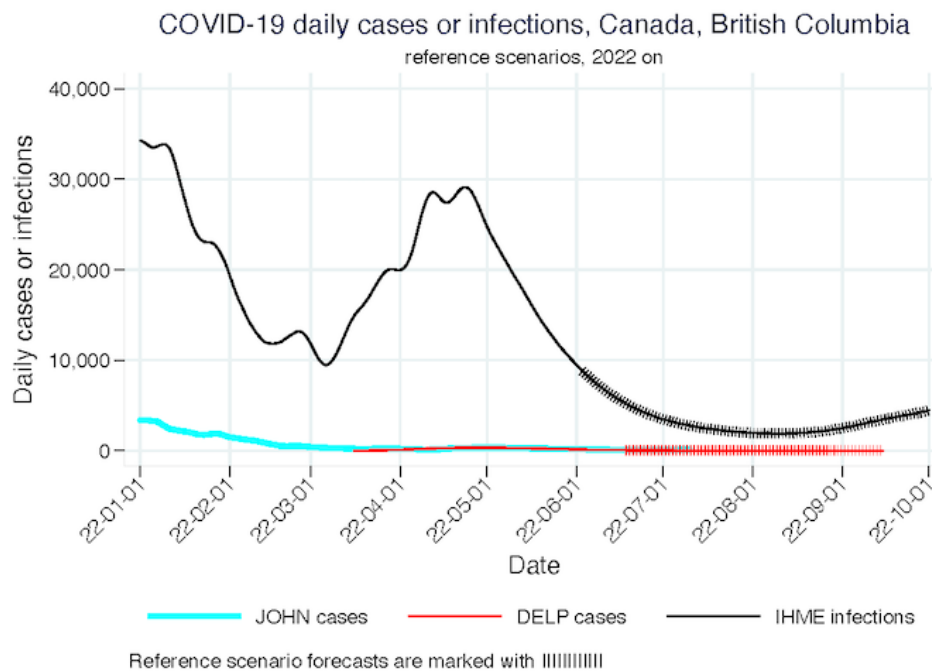
(2c) British Columbia [Daily deaths, Reference scenario, 2022 on, without JOHN raw](#)



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

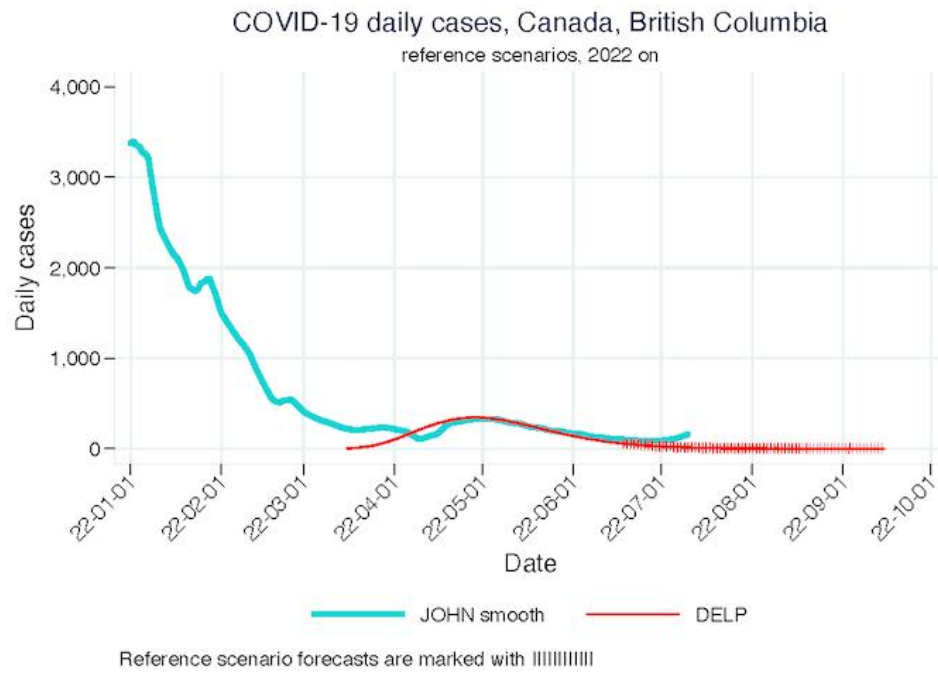
(4) British Columbia [Daily cases or infections, Reference scenario, 2021 on](#)

(4b) British Columbia [Daily cases or infections, Reference scenario, 2022 on](#)



(4c) British Columbia [Daily cases, Reference scenario, 2022 on with JOHN raw](#)

(4d) British Columbia [Daily cases, Reference scenario, 2022 on, without JOHN raw](#)



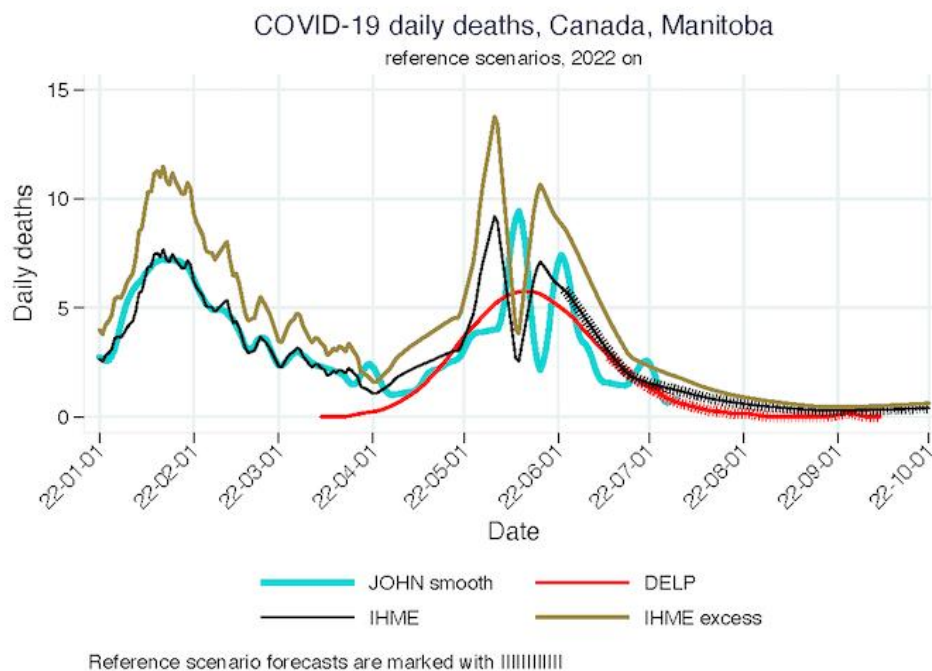
Selected graphs - Manitoba

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

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

(2b) Manitoba [Daily deaths, Reference scenario, 2022 on, with JOHN raw](#)

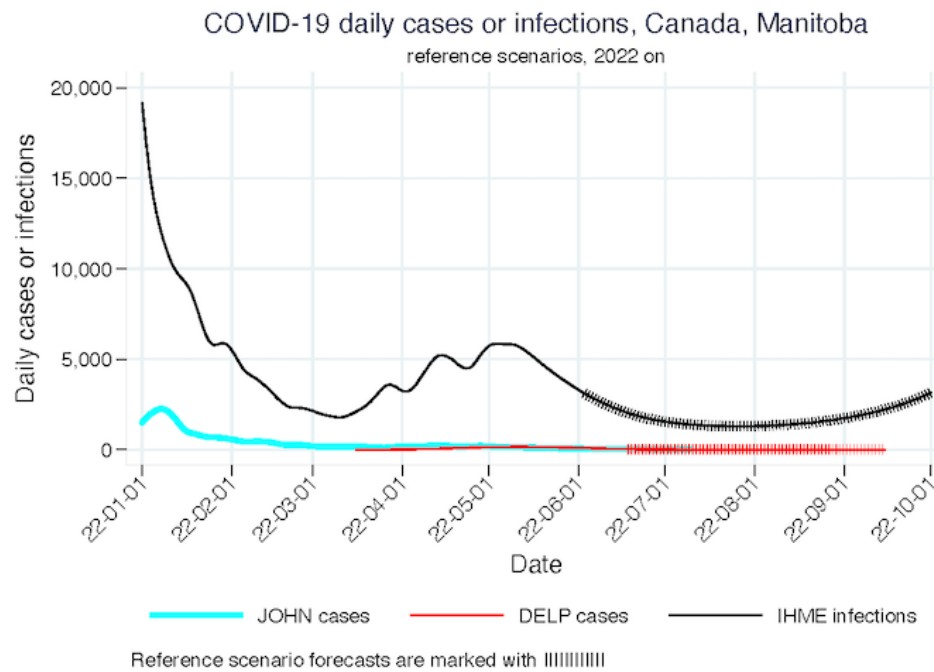
(2c) Manitoba [Daily deaths, Reference scenario, 2022 on, without JOHN raw](#)



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

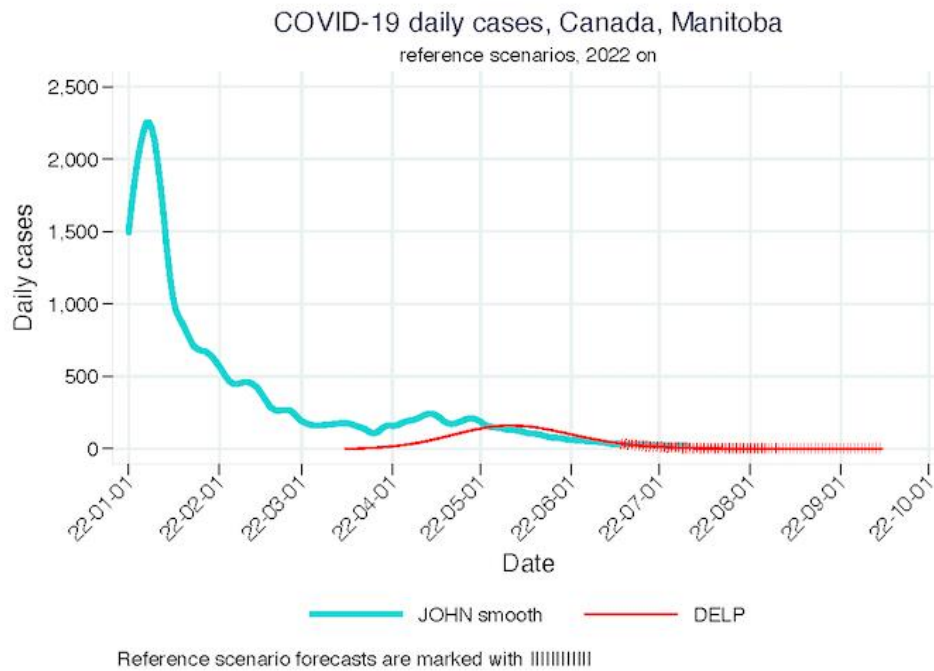
(4) Manitoba [Daily cases or infections, Reference scenario, 2021 on](#)

(4b) Manitoba [Daily cases or infections, Reference scenario, 2022 on](#)



(4c) Manitoba [Daily cases, Reference scenario, 2022 on, with JOHN raw](#)

(4d) Manitoba [Daily cases, Reference scenario, 2022 on, without JOHN raw](#)



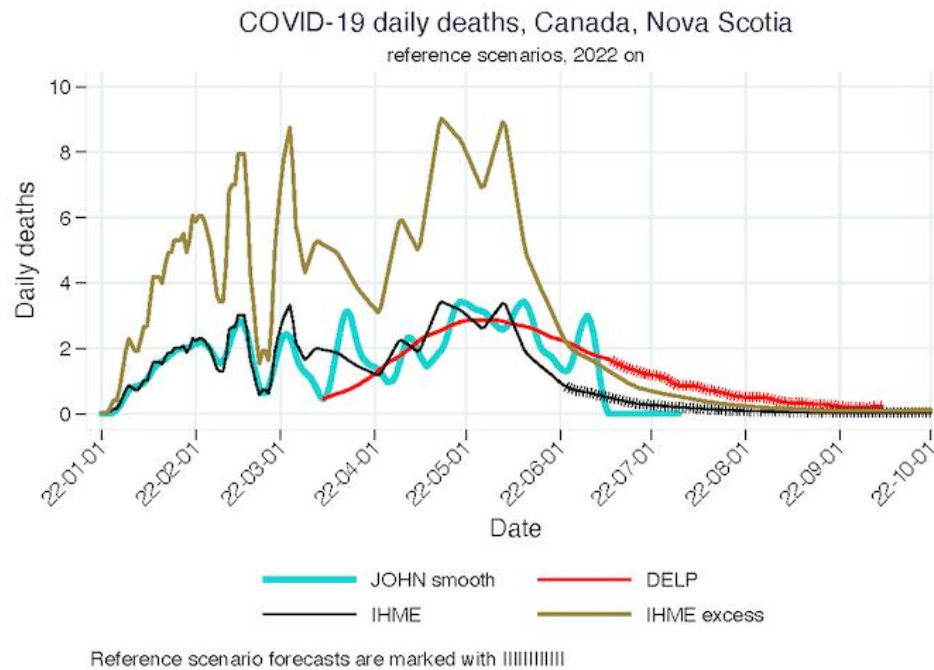
Selected graphs - Nova Scotia

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

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

(2b) Nova Scotia [Daily deaths, Reference scenario, 2022 on, with JOHN raw](#)

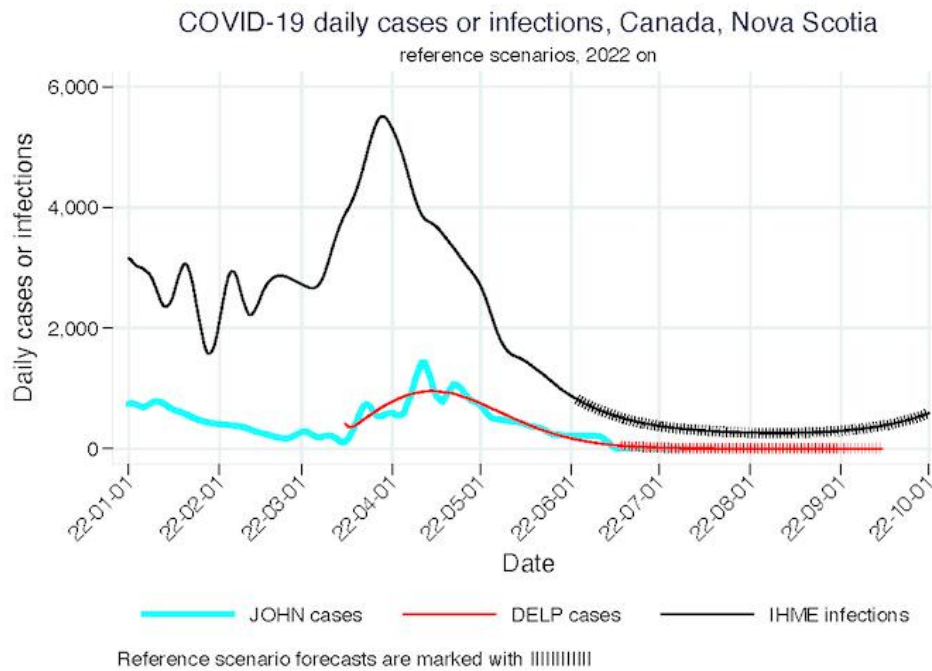
(2c) Nova Scotia [Daily deaths, Reference scenario, 2022 on, without JOHN raw](#)



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

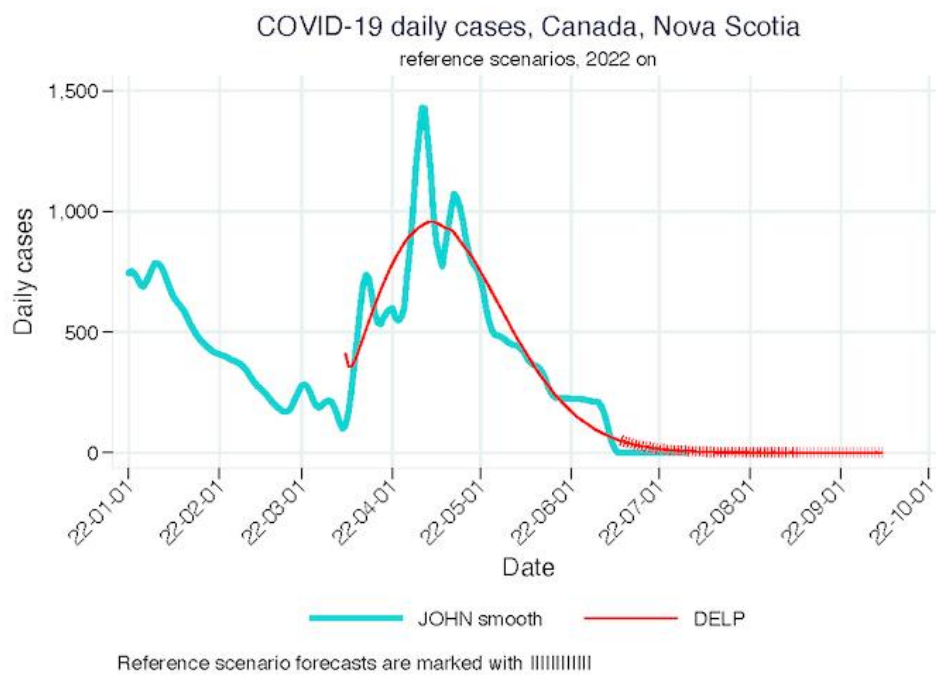
(4) Nova Scotia [Daily cases or infections, Reference scenario, 2021 on](#)

(4b) Nova Scotia [Daily cases or infections, Reference scenario, 2022 on](#)



(4c) Nova Scotia [Daily cases, Reference scenario, 2022 on, with JOHN raw](#)

(4d) Nova Scotia [Daily cases, Reference scenario, 2022 on, without JOHN raw](#)



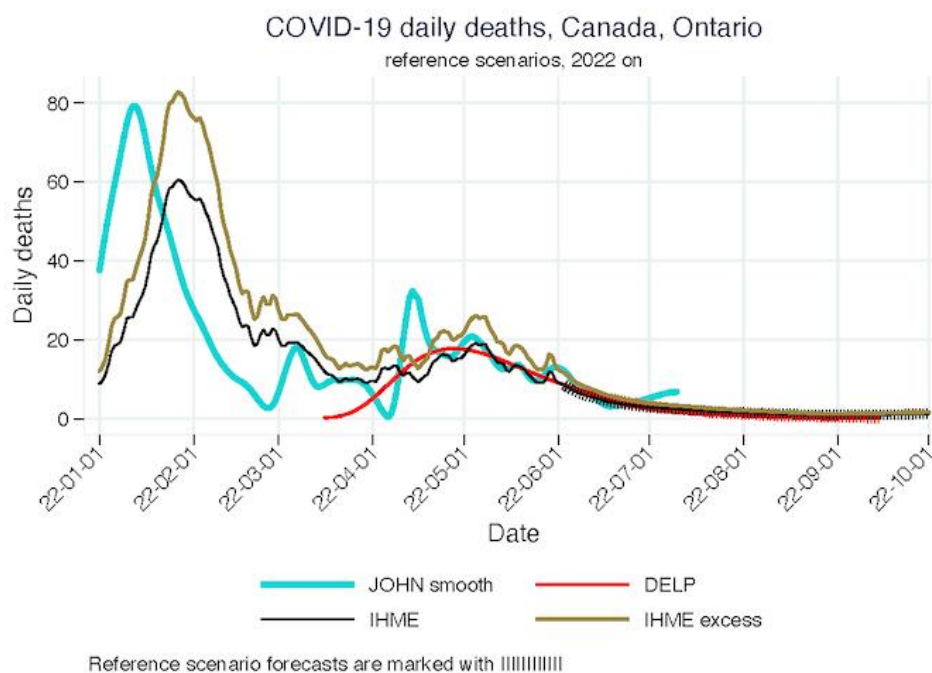
Selected graphs - Ontario

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

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

(2b) Ontario [Daily deaths, Reference scenario, 2022 on, with JOHN raw](#)

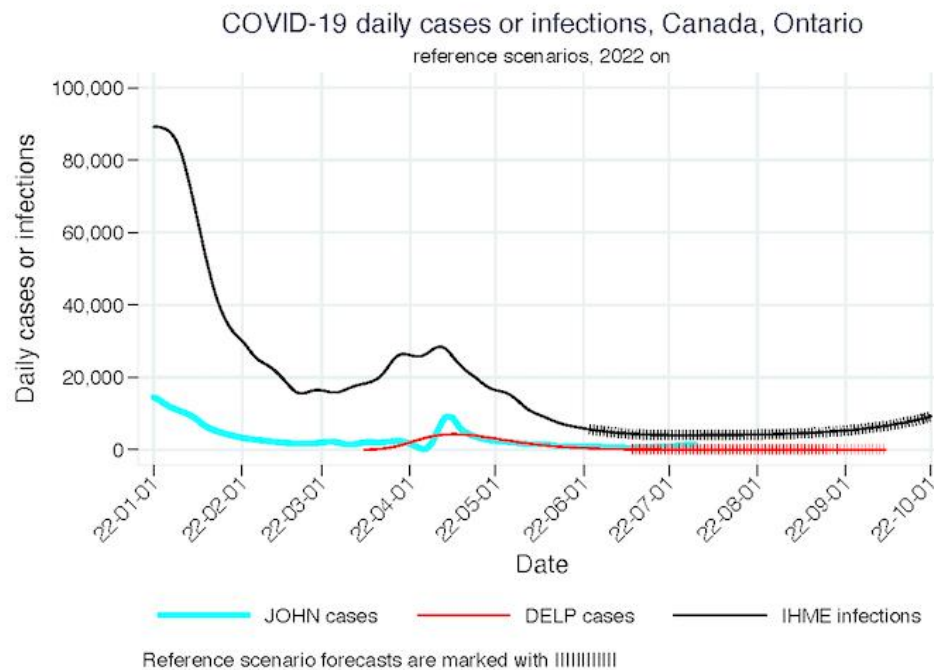
(2c) Ontario [Daily deaths, Reference scenario, 2022 on, without JOHN raw](#)



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

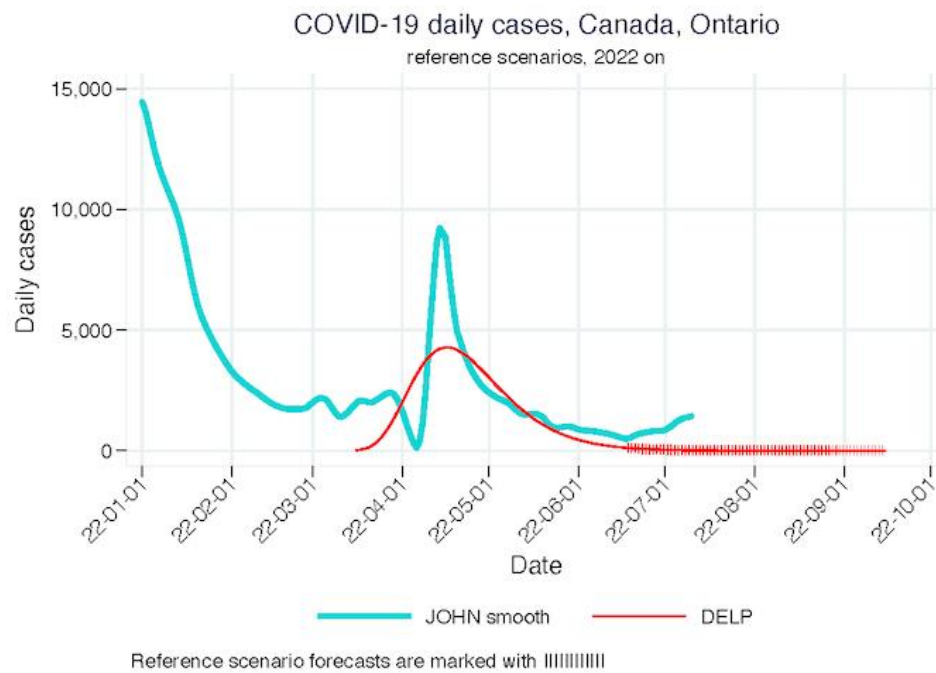
(4) Ontario [Daily cases or infections, Reference scenario, 2021 on](#)

(4b) Ontario [Daily cases or infections, Reference scenario, 2022 on](#)



(4c) Ontario [Daily cases, Reference scenario, 2022 on, with JOHN raw](#)

(4d) Ontario [Daily cases, Reference scenario, 2022 on, without JOHN raw](#)



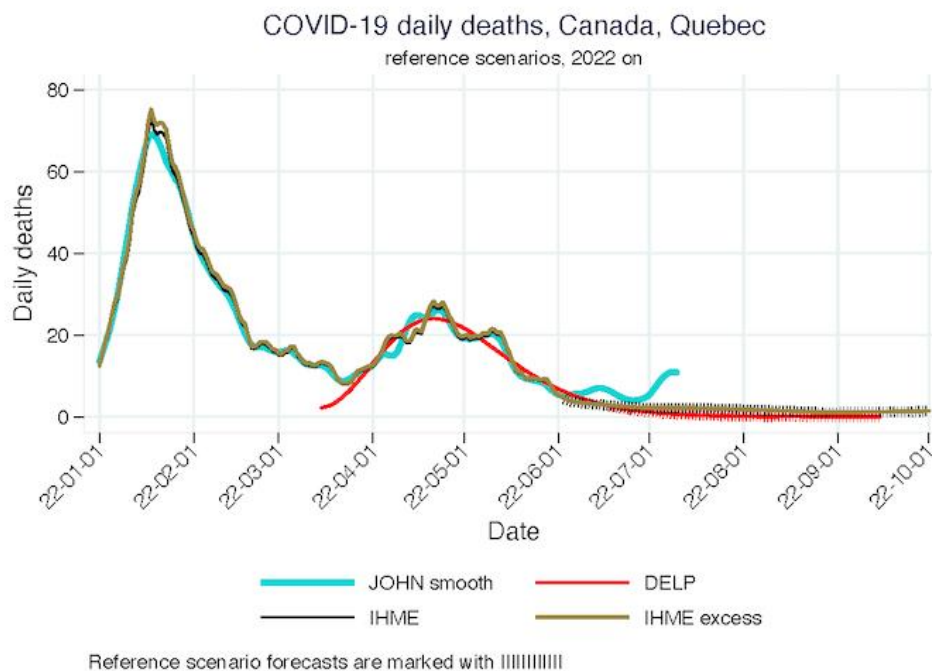
Selected graphs - Quebec

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

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

(2b) Quebec [Daily deaths, Reference scenario, 2022 on, with JOHN raw](#)

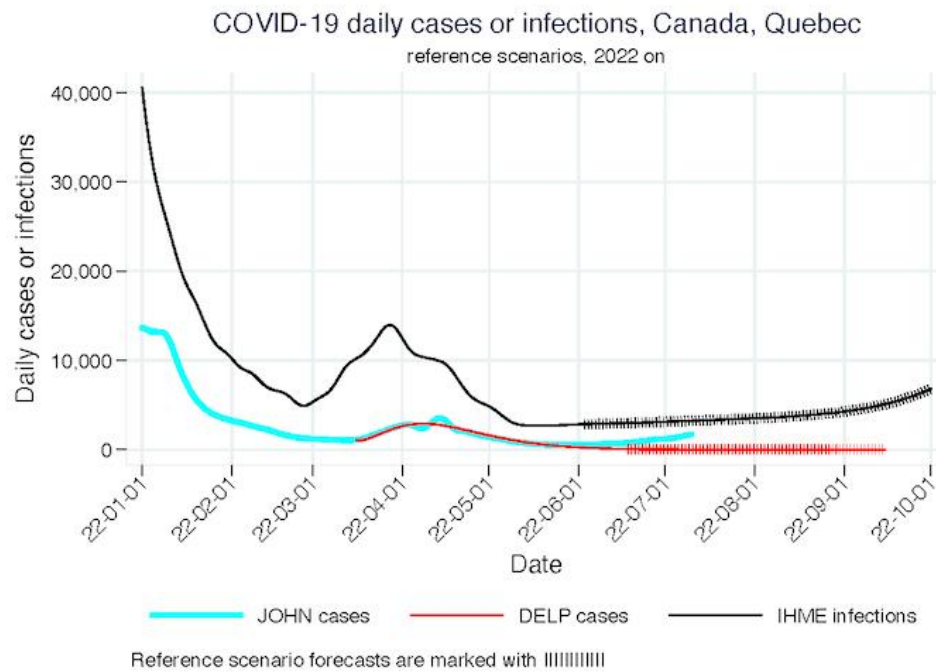
(2c) Quebec [Daily deaths, Reference scenario, 2022 on, without JOHN raw](#)



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

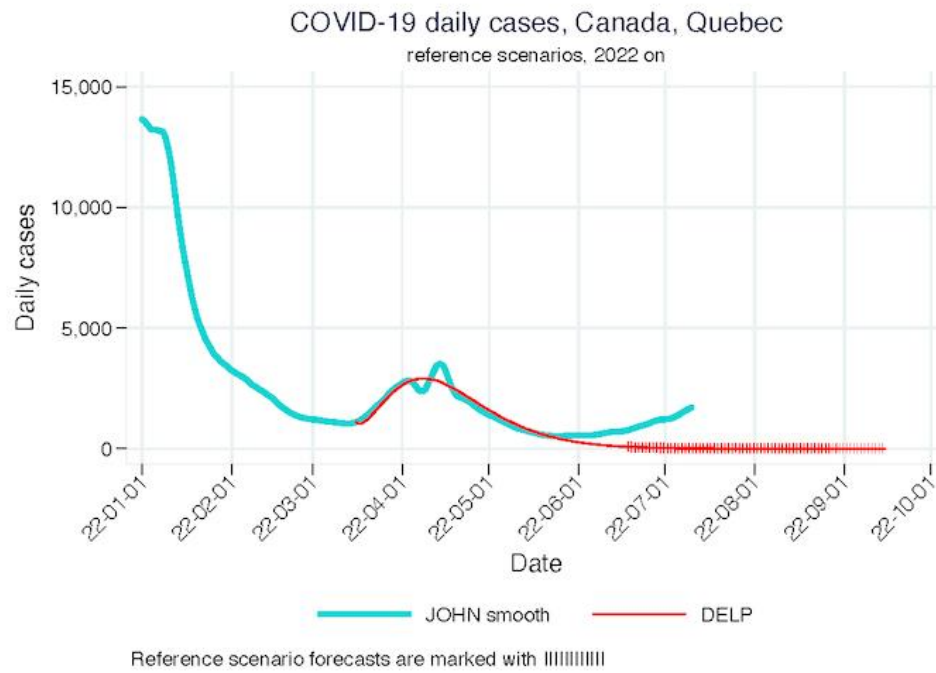
(4) Quebec [Daily cases or infections, Reference scenario, 2021 on](#)

(4b) Quebec [Daily cases or infections, Reference scenario, 2022 on](#)



(4c) Quebec [Daily cases, Reference scenario, 2022 on, with JOHN raw](#)

(4d) Quebec [Daily cases, Reference scenario, 2022 on, without JOHN raw](#)



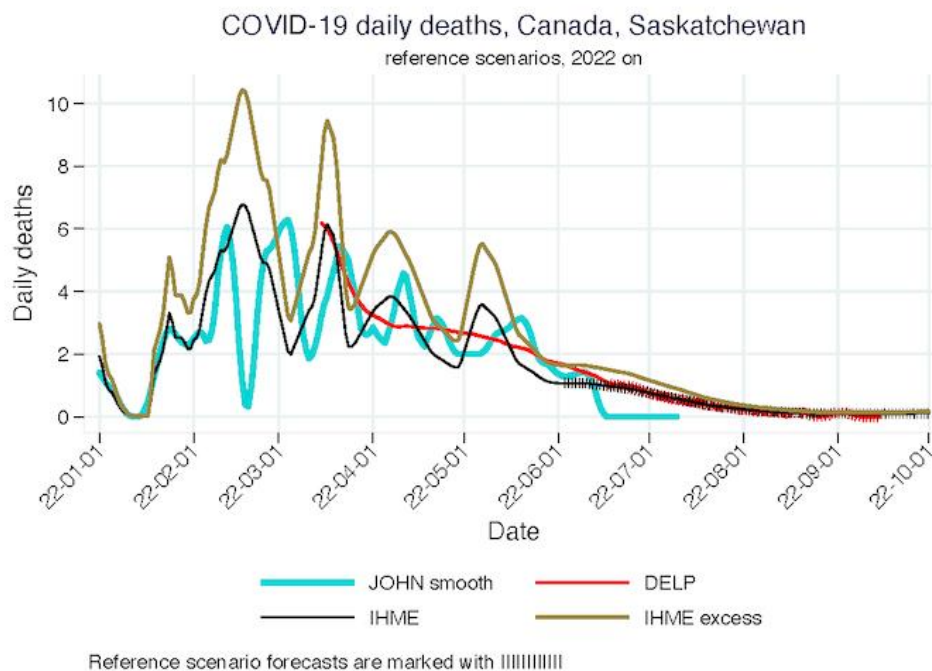
Selected graphs - Saskatchewan

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

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

(2b) Saskatchewan [Daily deaths, Reference scenario, 2022 on, with JOHN raw](#)

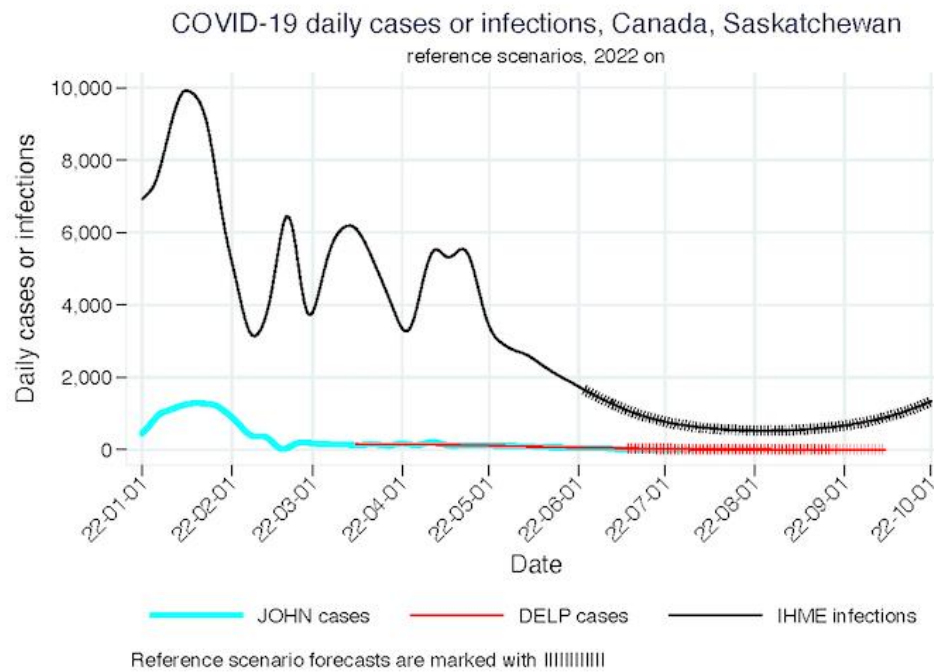
(2c) Saskatchewan [Daily deaths, Reference scenario, 2022 on, without JOHN raw](#)



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

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

(4b) Saskatchewan [Daily cases or infections, Reference scenario, 2022 on](#)



(4c) Saskatchewan [Daily cases, Reference scenario, 2022 on, with JOHN raw](#)

(4d) Saskatchewan [Daily cases, Reference scenario, 2022 on, without JOHN raw](#)

