

Global and regional COVID-19 epidemic models situation report No 48 – 2022-06-10

Farshad Pourmalek MD PhD

Former lecturer, University of British Columbia, Vancouver | [UBC SPPH](#) | [ORCID](#) | [PubMed](#)
pourmalek_farshad@yahoo.com

Combine and visualize international periodically updated estimates of
COVID-19 pandemic
at the [global](#) level and for [six WHO regions](#)

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](#)

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

Study update dates in uptake 20220610

DELP 20220529, **IHME 20220610**, No IMPE, **SRIV 20220610**

Days old: DELP 13, IHME 0, no IMPE, SRIV 0

IMPE update 20220315 was released on 20220505 and is > 120 days old on 20220610. Not included.

A new IHME scenario, “Global antivirals”, has replaced the old scenario “Vaccine 3rd dose”. “Global antivirals” = Globally distributed antivirals extends coverage to all LMICs over the period of July 15, 2022, to September 15, 2022.

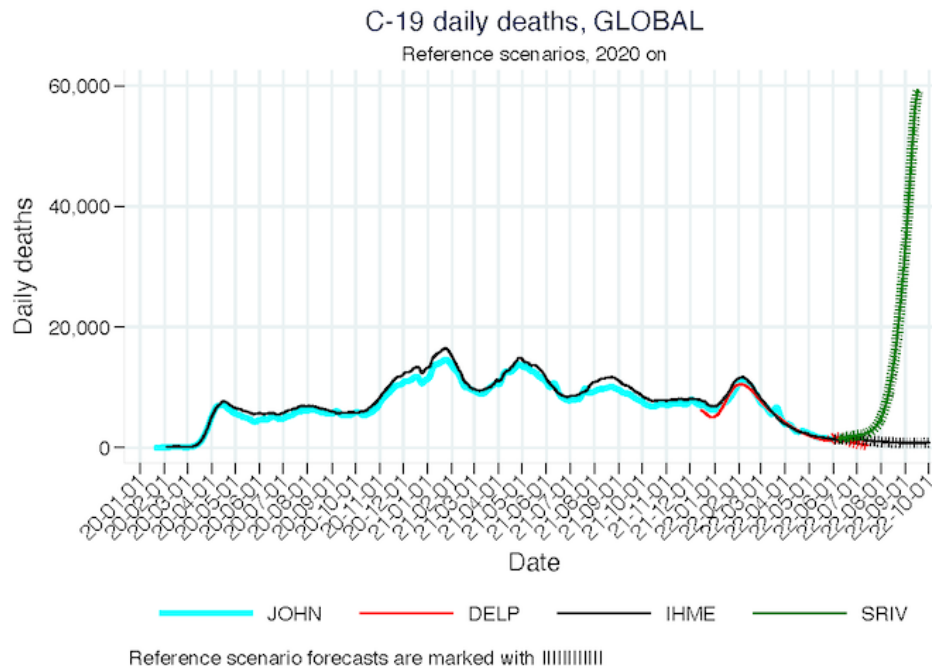
WE KNOW THAT AMONG THE COMING PANDEMICS IS THE SPREAD OF SEVERAL EPIDEMICS OF MORTALITY AND MORBIDITY DUE TO LOW OR ABSENT FOOD INTAKE, CONCENTRATED IN MIDDLE EAST, NORTH AFRICA, AND SUBSAHARAN AFRICA. DON'T WE KNOW?

Table of Graphs

Study update dates in uptake 20220610	1
Selected graphs - Global	3
Selected graphs - Regions together.....	7
Selected graphs - African region (AFRO)	14
Selected graphs – Americas region (AMRO)	17
Selected graphs – Americas region, Canada and United States (AMR1)	20
Selected graphs – Americas region, without Canada and United States (AMR2).....	23
Selected graphs – Eastern Mediterranean region (EMRO)	26
Selected graphs – European region (EURO)	29
Selected graphs – South-East Asian region (SEARO).....	32
Selected graphs – Western Pacific region (WPRO)	35

Selected graphs - Global

(1) Global [Daily deaths, reference scenarios, 2020 on](#)



(1b) Global [Daily deaths, reference scenarios, with excess mortality, 2020 on](#)

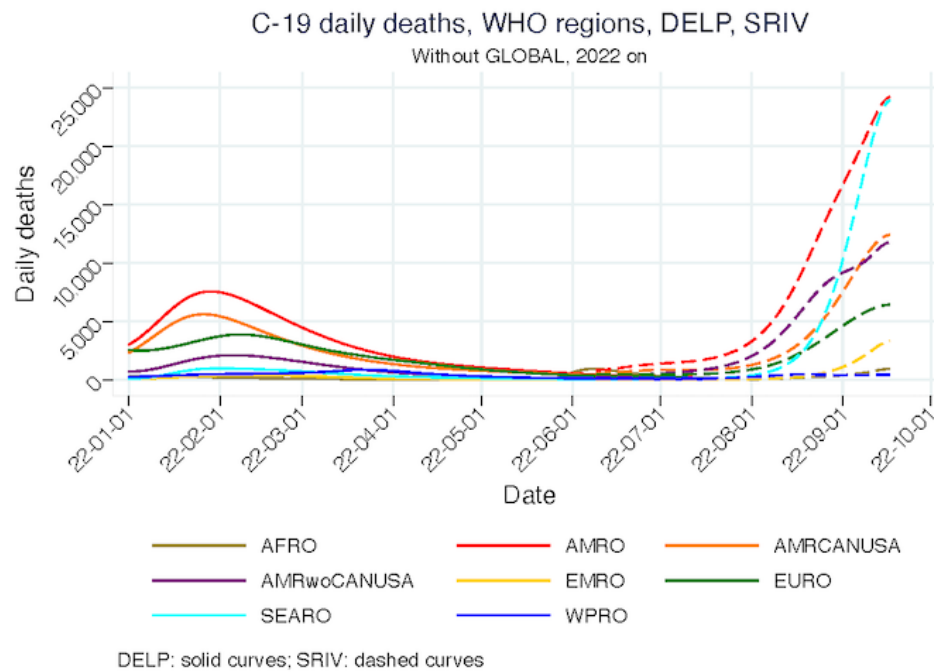
(2) Global [Daily deaths, reference scenarios, 2021 on](#)

(3) Global [Daily deaths, 3 scenarios, 2021 on](#)

(3b) Global [Daily deaths, 3 scenarios, 2021 on, IHME](#)

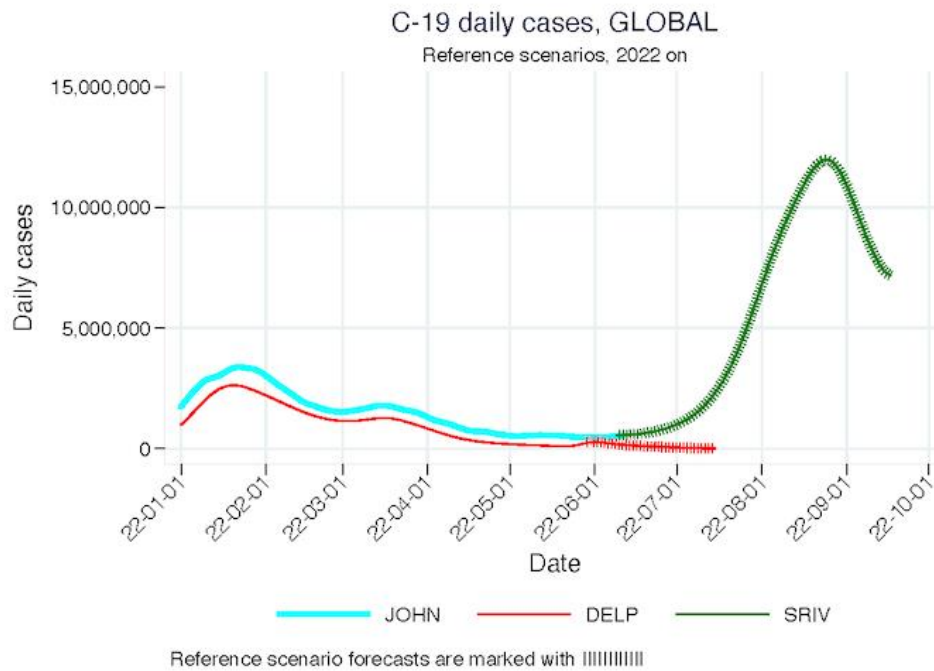
(3d) Global [Daily deaths, reference scenarios, 2022 on](#)

(4) Global [Daily cases or infections, reference scenarios, 2020 on](#)



(6) Global [Daily cases or infections, 3 scenarios, 2021 on](#)

(6b) Global [Daily cases, 2022 on](#)



(6c) Global [Daily estimated infections IHME to reported cases JOHN, main scenarios, 2021 on](#)

(7) Global [Hospital-related outcomes, 2020 on](#)

(8) Global [Hospital-related outcomes, 2021 on, without IHME Bed need](#)

(9) Global [Daily deaths estimated to reported, reference scenarios, 2020 on](#)

(11) Global [Daily Infection outcomes ratios, 2 scenarios, 2020 on, IHME](#)

(11b) Global [Daily Infection -detection and -hospitalizations ratios, 2 scenarios, 2020 on, IHME](#)

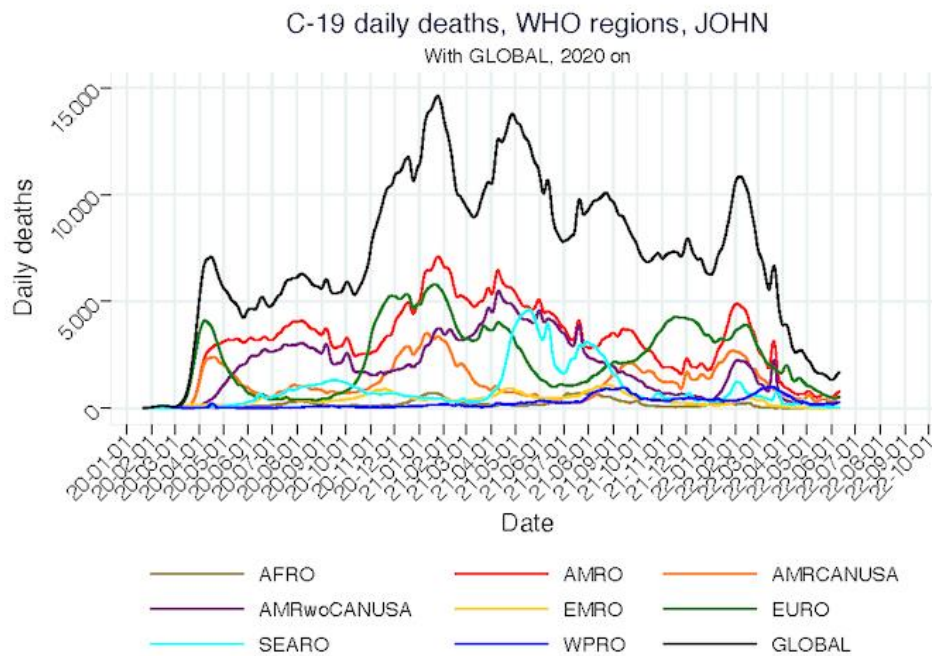
(12) Global [Daily mobility, 2 scenarios, 2020 on, IHME](#)

(13) Global [Daily mask use, 2 scenarios, 2020 on, IHME](#)

-

Selected graphs - Regions together

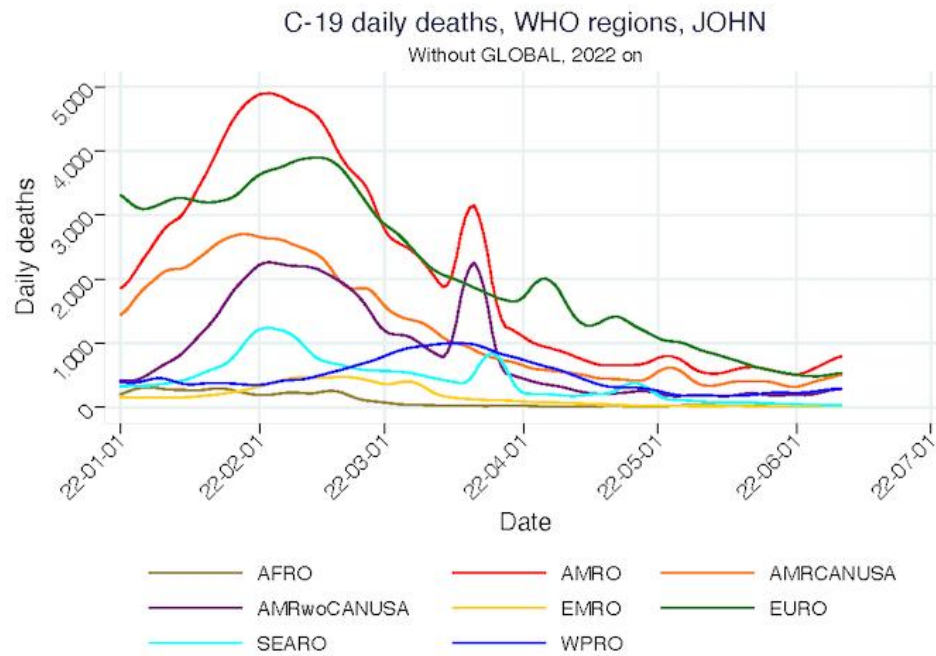
(0a) Regions together [Daily deaths, with GLOBAL, 2020 on, JOHN](#)



(0b) Regions together [Daily deaths, without GLOBAL, 2020 on, JOHN](#)

(0c) Regions together [Daily deaths, with GLOBAL, 2022 on, JOHN](#)

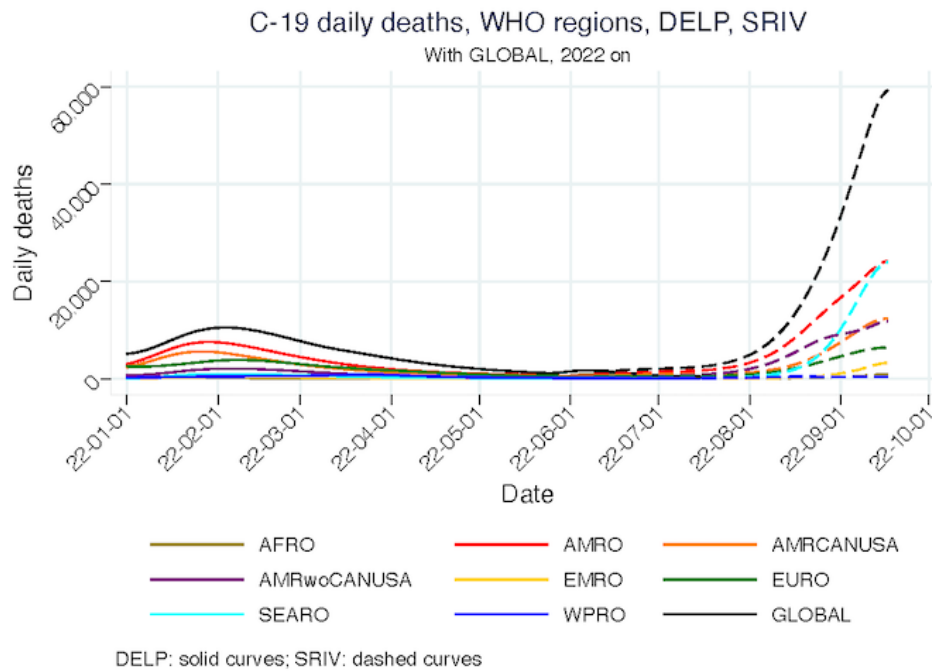
(0d) Regions together [Daily deaths, without GLOBAL, 2022 on, JOHN](#)



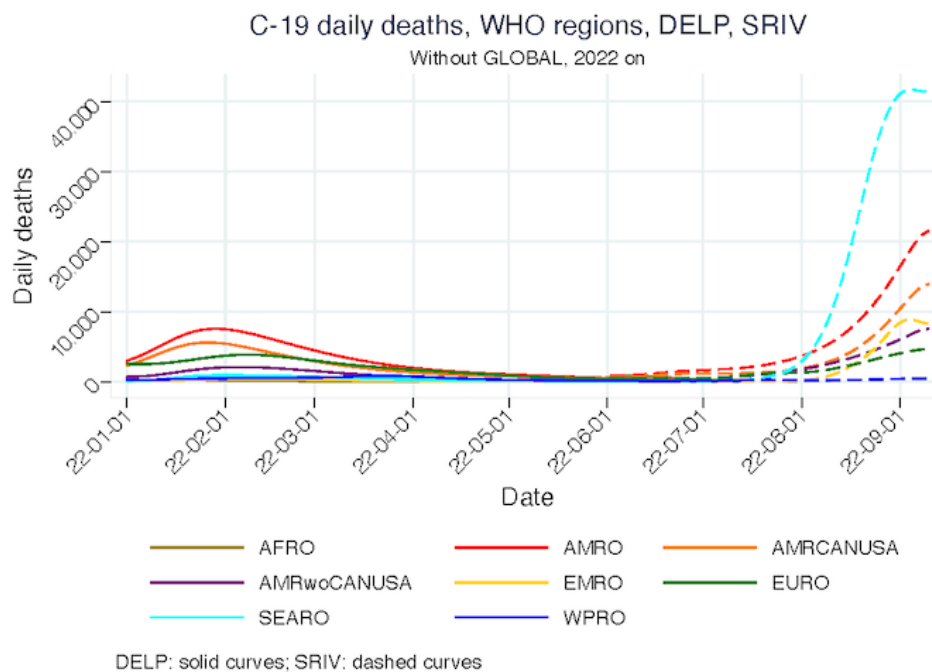
(1) Regions together [Daily deaths, with GLOBAL, 2020 on, IHME](#)

(2) Regions together [Daily deaths, without GLOBAL, 2020 on, IHME](#)

(3) Regions together [Daily deaths, with GLOBAL, 2022 on, DELP, SRIV](#)



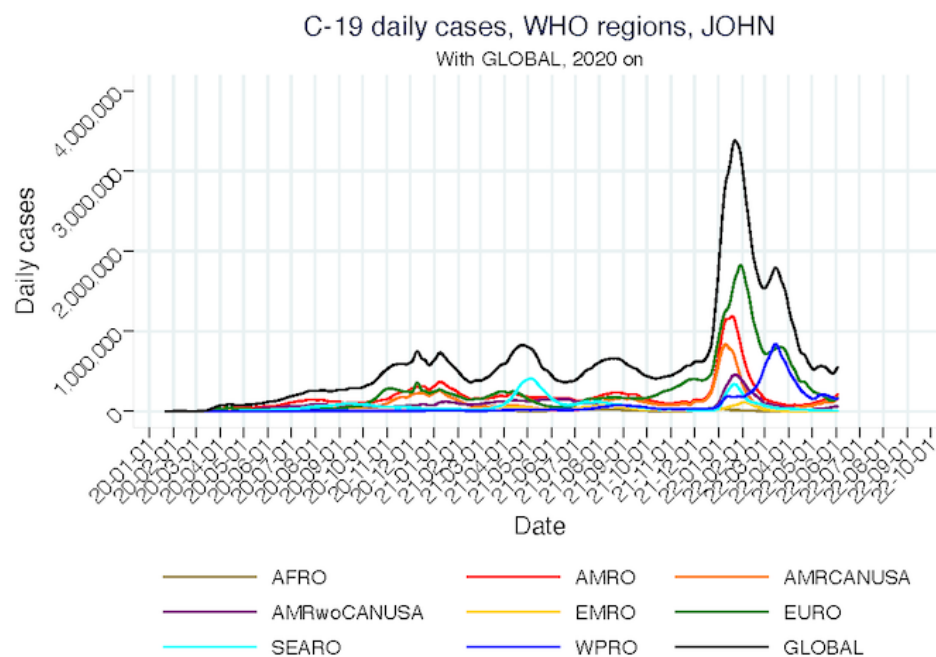
(4) Regions together [Daily deaths, without GLOBAL, 2022 on, DELP, SRIV](#)



(5) Regions together [Daily excess deaths, with GLOBAL, 2020 on, IHME](#)

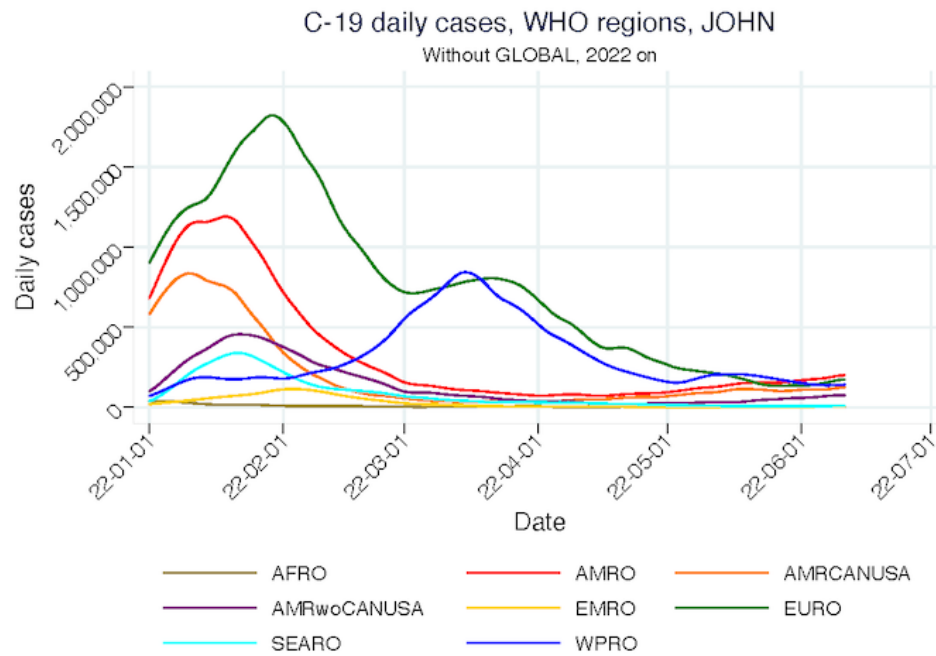
(6) Regions together [Daily excess deaths, without GLOBAL, 2020 on, IHME](#)

(00a) Regions together [Daily cases, with GLOBAL, 2020 on, JOHN](#)



(00b) Regions together [Daily cases, without GLOBAL, 2020 on, JOHN](#)

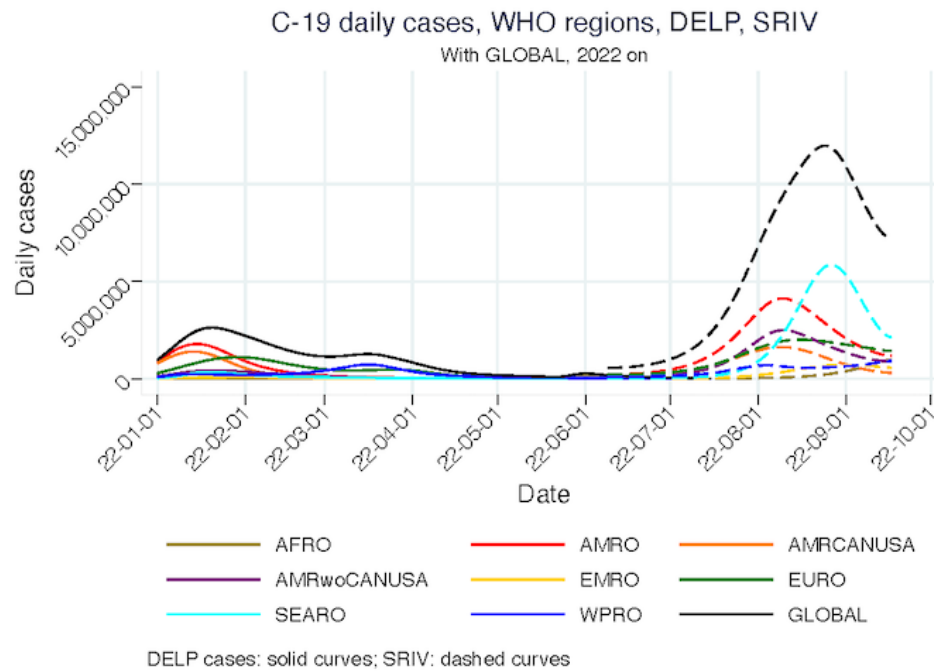
(00c) Regions together [Daily cases, without GLOBAL, 2022 on, JOHN](#)



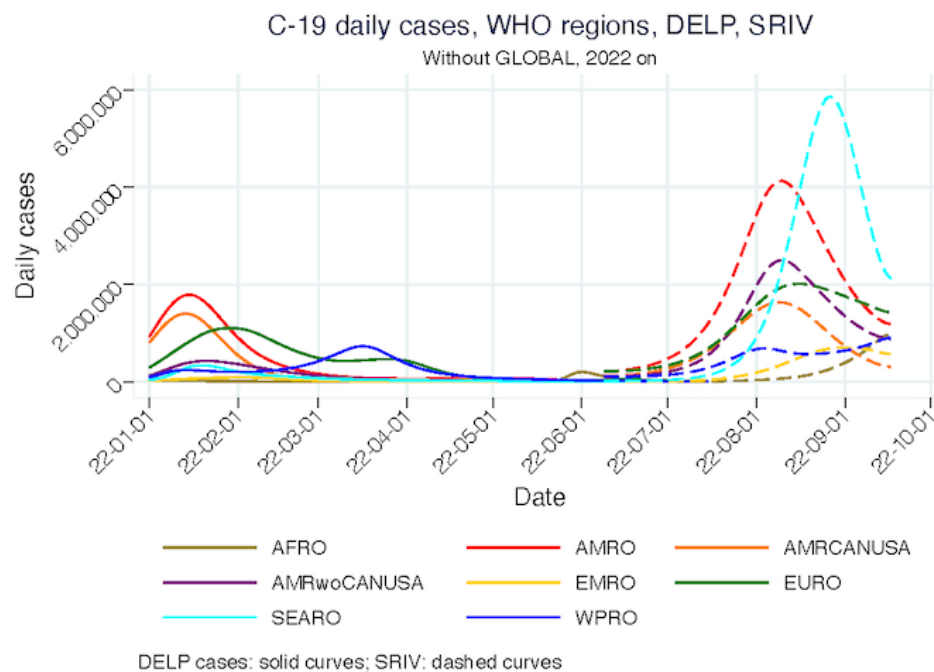
(7) Regions together [Daily infections, with GLOBAL, 2020 on, IHME](#)

(8) Regions together [Daily infections, without GLOBAL, 2020 on, IHME](#)

(9) Regions together [Daily cases, with GLOBAL, 2022 on, DELP, SRIV](#)



(10) Regions together [Daily cases, without GLOBAL, 2022 on, DELP, SRIV](#)



(11) Regions together [Total deaths, with GLOBAL, 2020 on, IHME](#)

(12) Regions together [Total deaths, without GLOBAL, 2020 on, IHME](#)

(13) Regions together [Total deaths, with GLOBAL, 2022 on, DELP, SRIV](#)

(14) Regions together [Total deaths, without GLOBAL, DELP, SRIV](#)

(15) Regions together [Total excess deaths, with GLOBAL, 2020 on, IHME](#)

(16) Regions together [Total excess deaths, without GLOBAL, 2020 on, IHME](#)

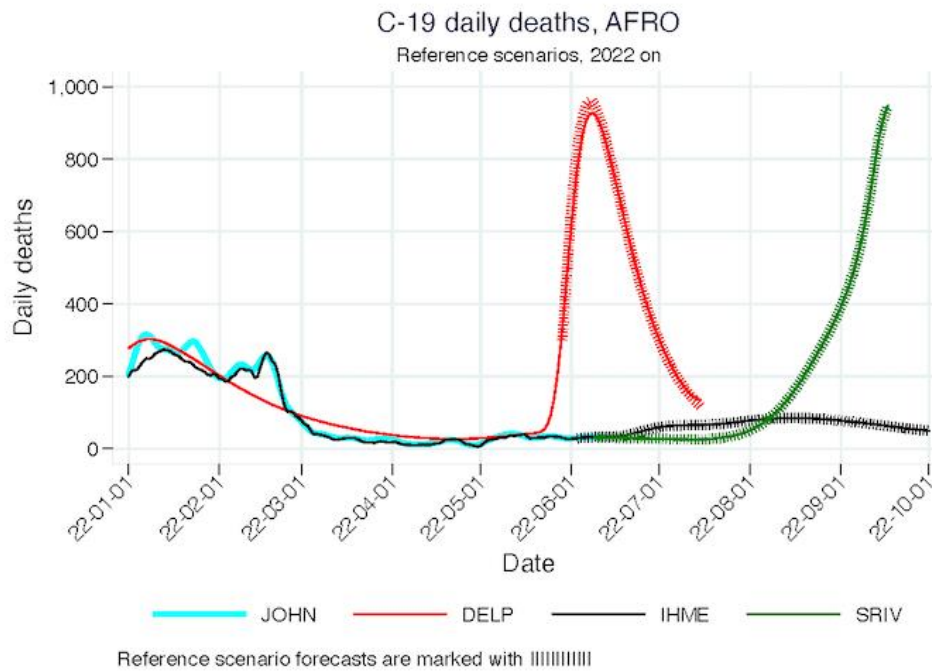
(17) Regions together [Total infections, with GLOBAL, 2020 on, IHME](#)

(18) Regions together [Total infections, without GLOBAL, 2020 on, IHME](#)

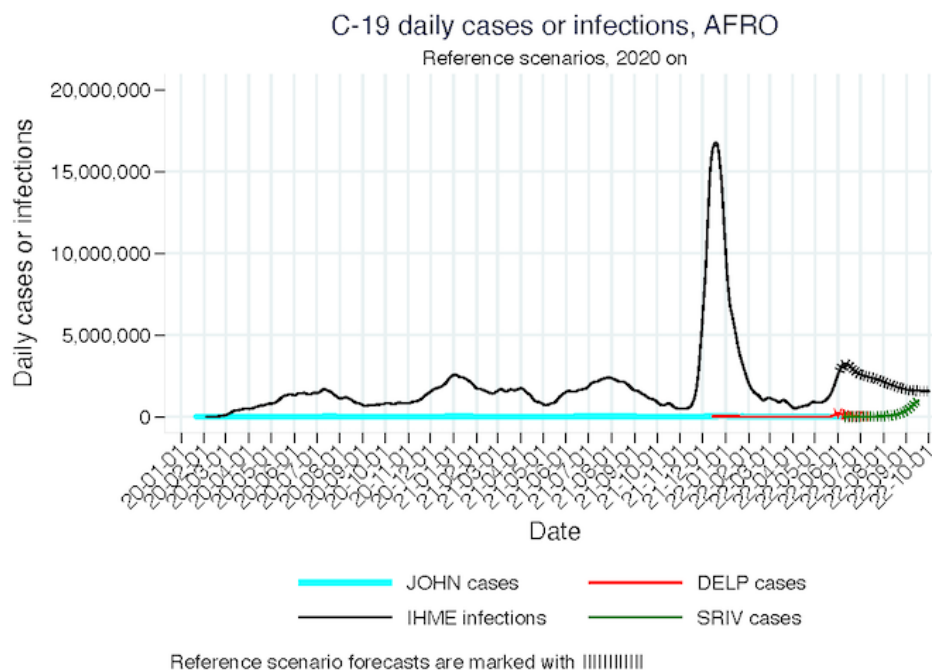
(19) Regions together [Total cases, with GLOBAL, 2022 on, DELP, SRIV](#)

(20) Regions together [Total cases, without GLOBAL, 2022 on, DELP, SRIV](#)

(3b) African region [Daily deaths, reference scenarios, 2022 on](#)

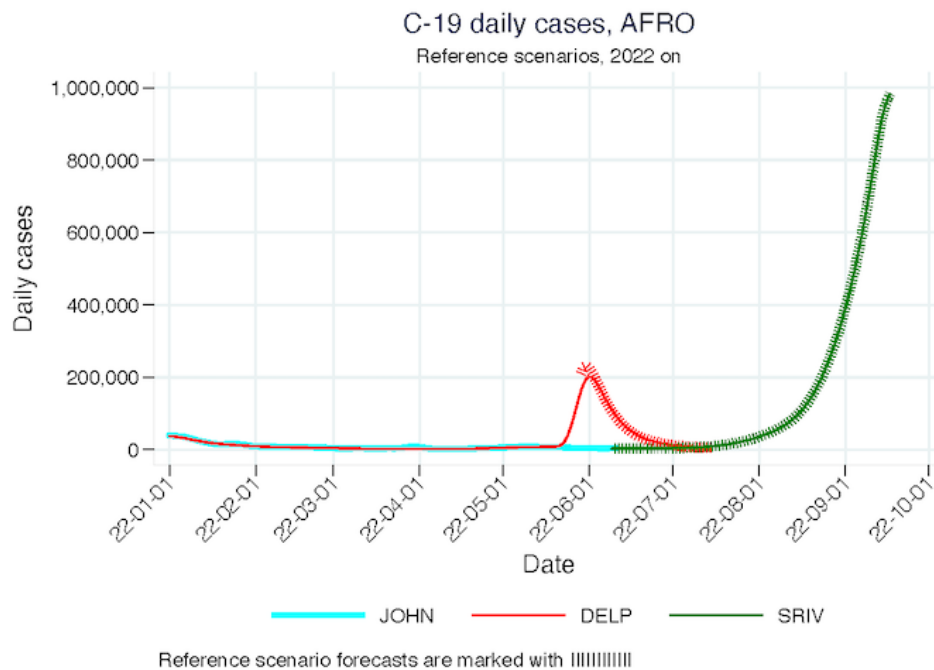


(4) African region [Daily cases or infections, reference scenarios, 2020 on](#)



(6) African region [Daily cases or infections, 3 scenarios, 2021 on](#)

(6b) African region [Daily cases or infections, reference scenarios, 2022 on](#)

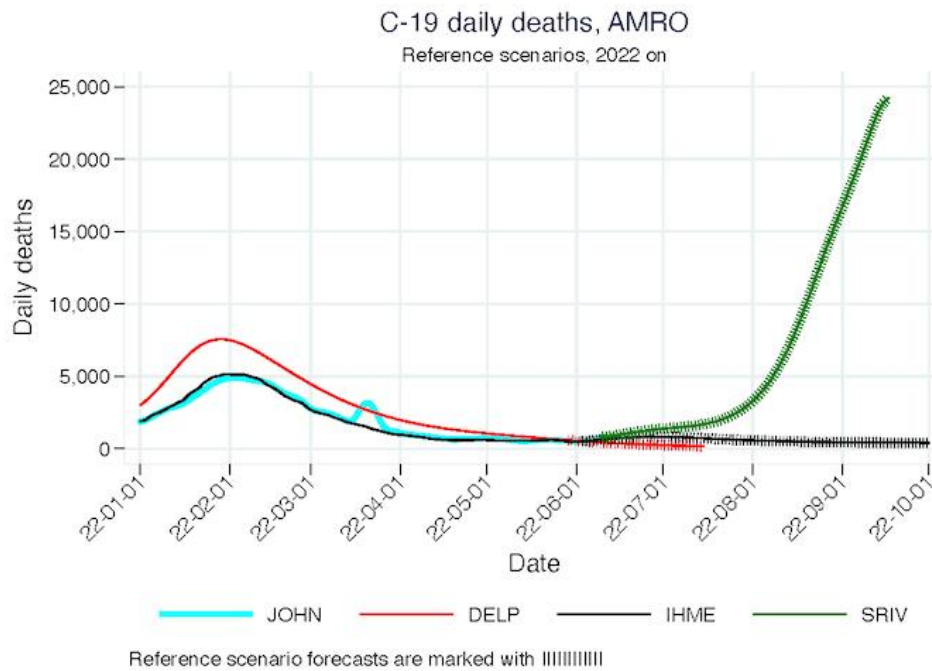


•

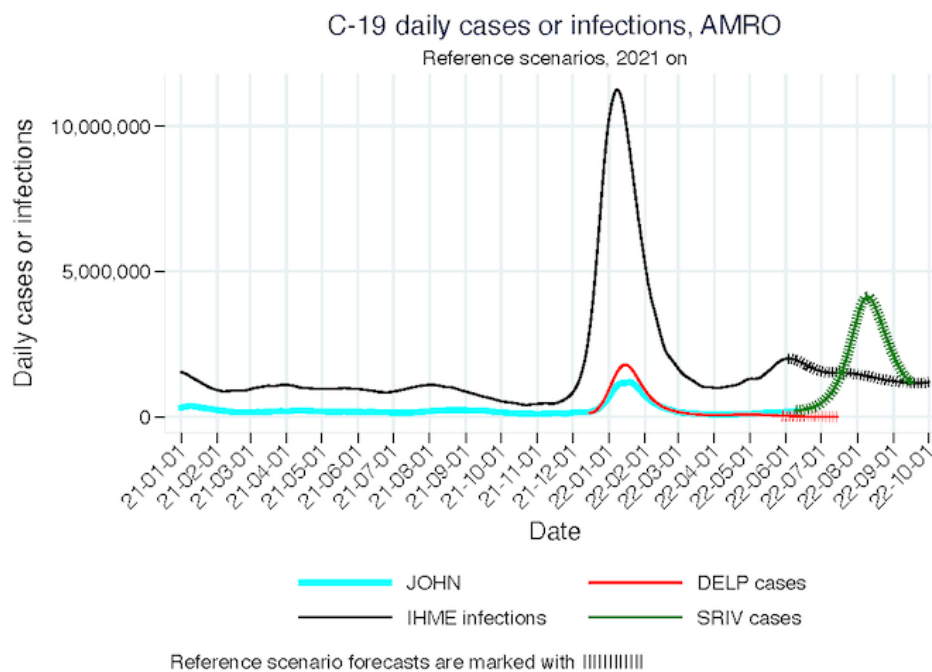
(1) Americas region [Daily deaths, reference scenarios, 2020 on](#)



(3b) Americas region [Daily deaths, reference scenarios, 2022 on](#)

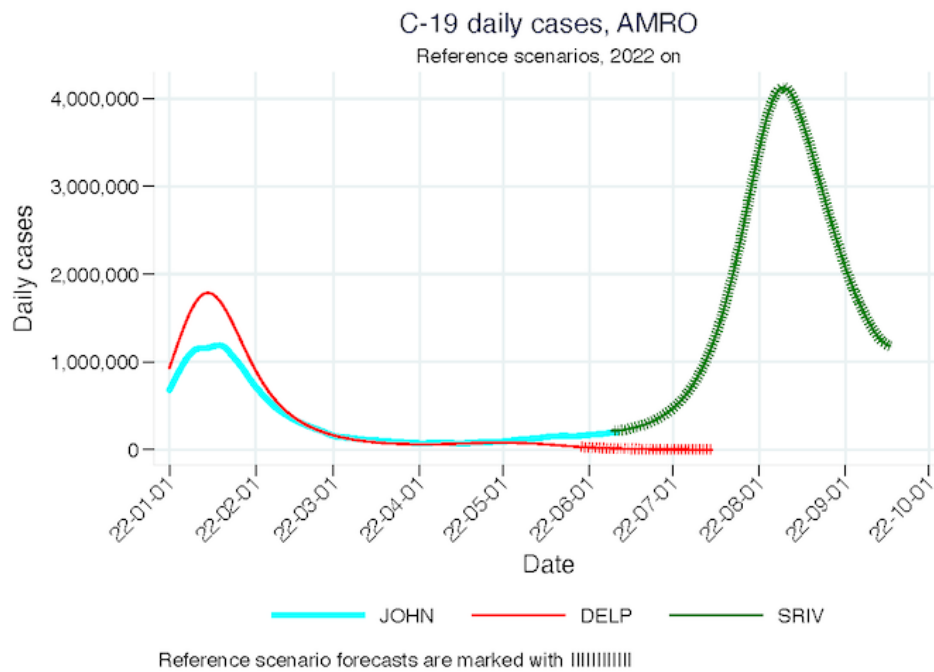


(4) Americas region [Daily cases or infections, reference scenarios, 2020 on](#)



(6) Americas region [Daily cases or infections, 3 scenarios, 2021 on](#)

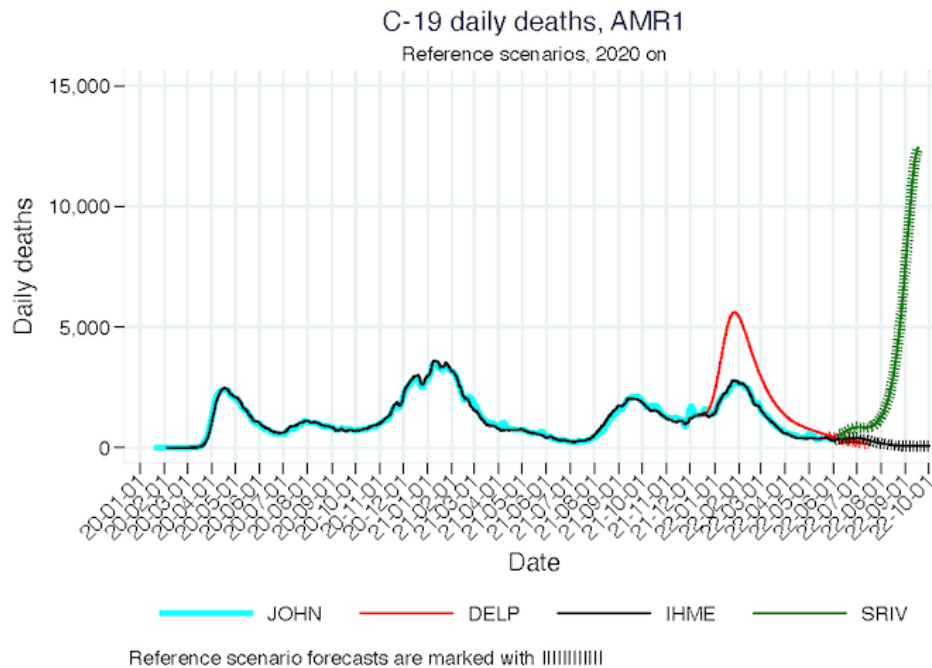
(6b) Americas region [Daily reference, 3 scenarios, 2022 on](#)



•

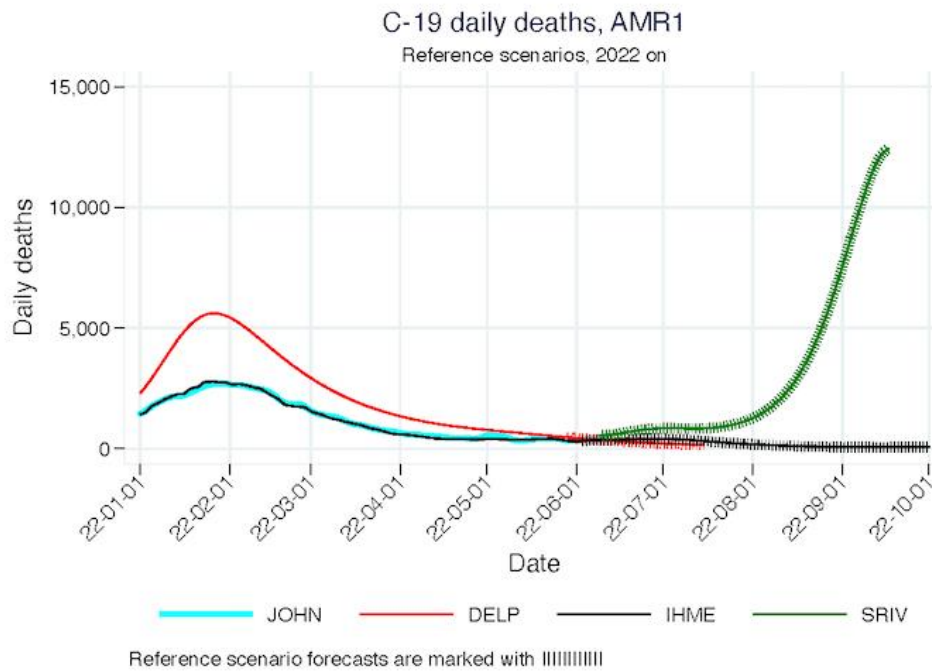
Selected graphs – Americas region, Canada and United States (AMR1)

(1) Americas region, Canada and United States [Daily deaths, reference scenarios, 2020 on](#)

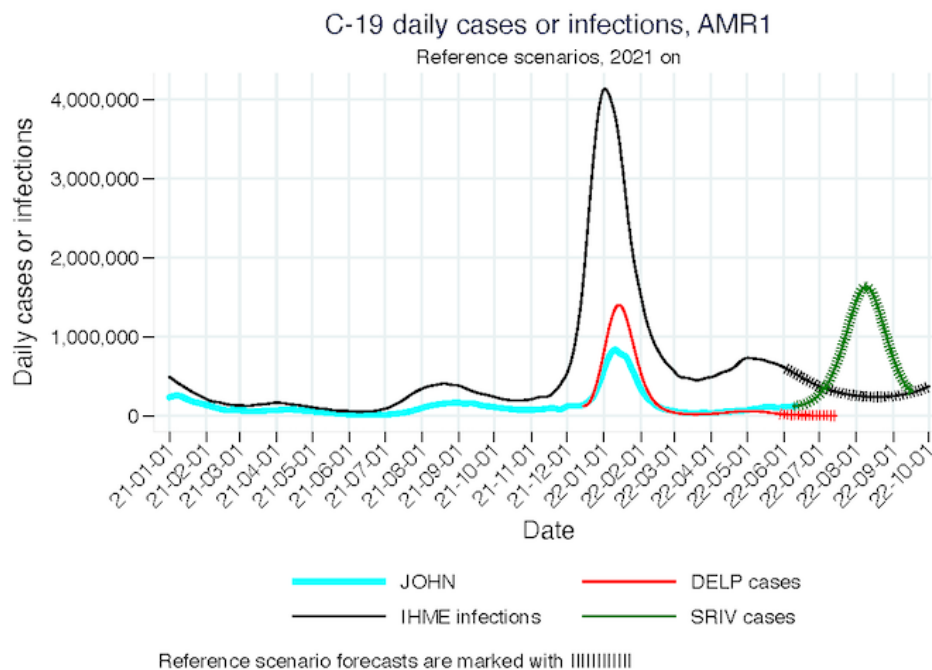


(3) Americas region, Canada and United States [Daily deaths, 3 scenarios, 2021 on](#)

(3b) Americas region, Canada & United States [Daily deaths, reference scenarios, 2022 on](#)

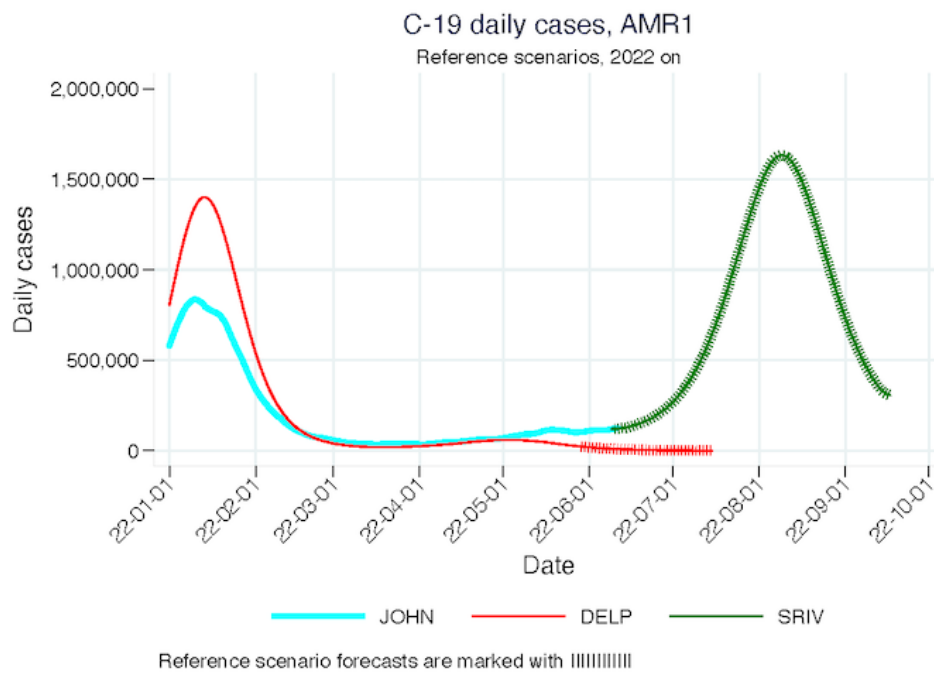


(4) Americas region, Canada & United States [Daily cases or infections, reference scenarios, 2020 on](#)



(6) Americas region, Canada and United States [Daily cases or infections, 3 scenarios, 2021 on](#)

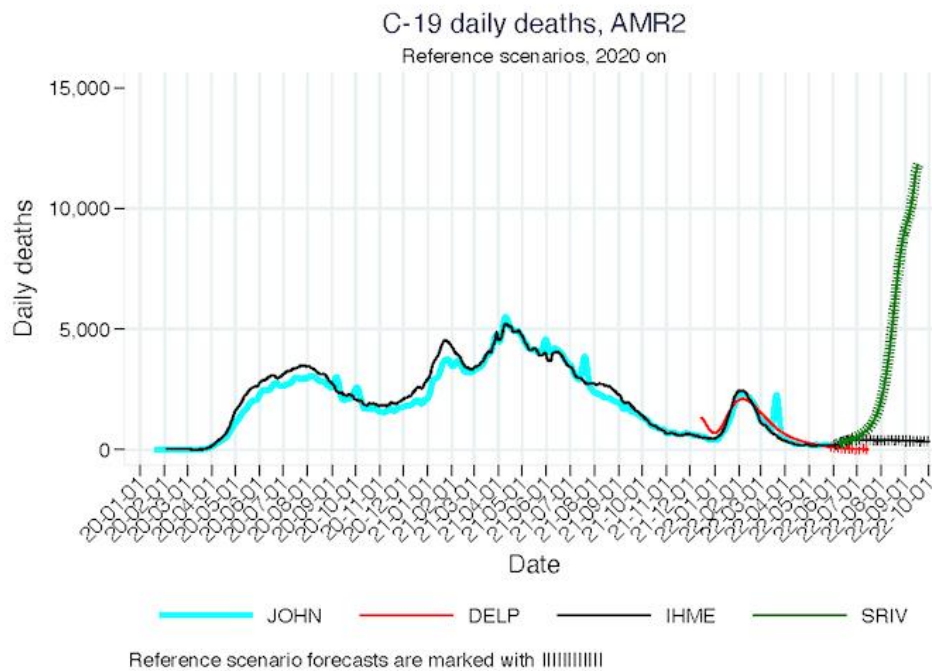
(6b) Americas region, Canada and United States [Daily cases or infections, reference scenarios, 2022 on](#)



•

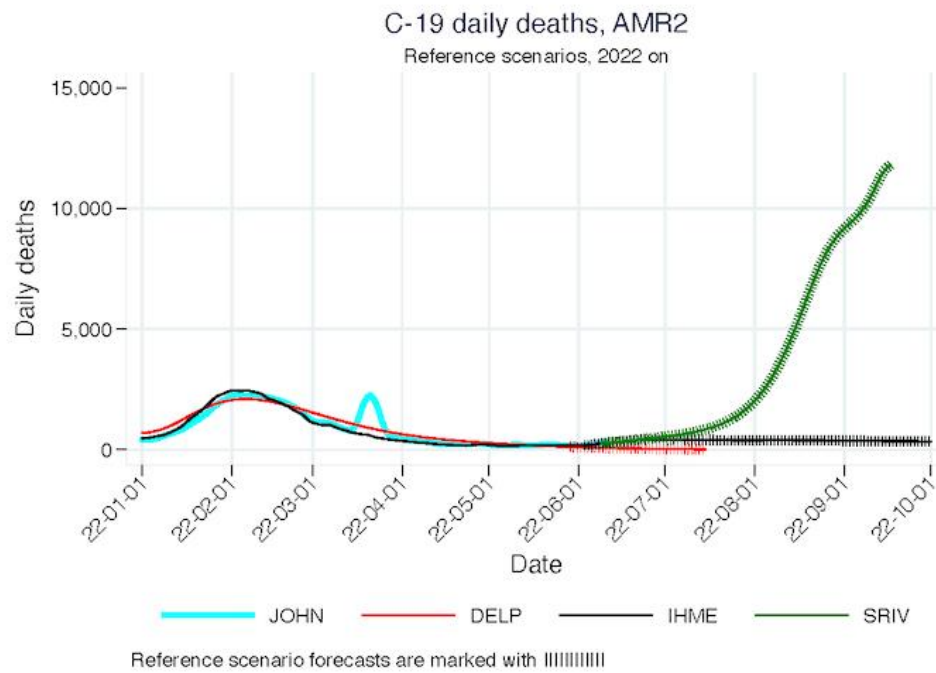
Selected graphs – Americas region, without Canada and United States (AMR2)

(1) Americas region, without Canada and United States [Daily deaths, reference scenarios, 2020 on](#)
[on](#)



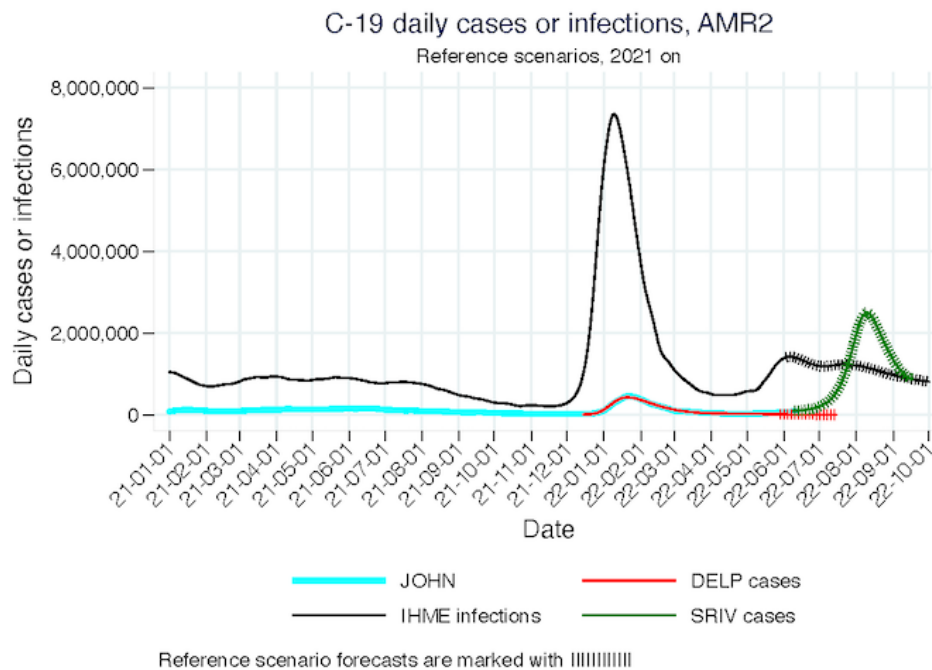
(3) Americas region, without Canada and United States [Daily deaths, 3 scenarios, 2021 on](#)

(3b) Americas region, without Canada and United States [Daily deaths, reference scenarios, 2022 on](#)

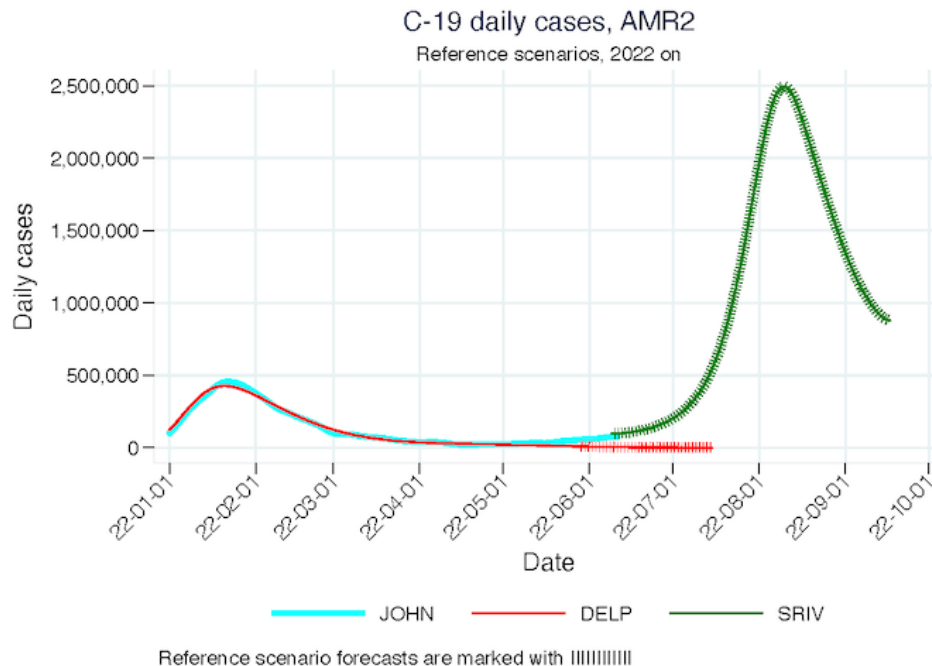


(4) Americas region, without Canada and United States [Daily cases or infections, reference scenarios, 2020 on](#)

(6) Americas region, without Canada & United States [Daily cases or infections, 3 scenarios, 2021 on](#)

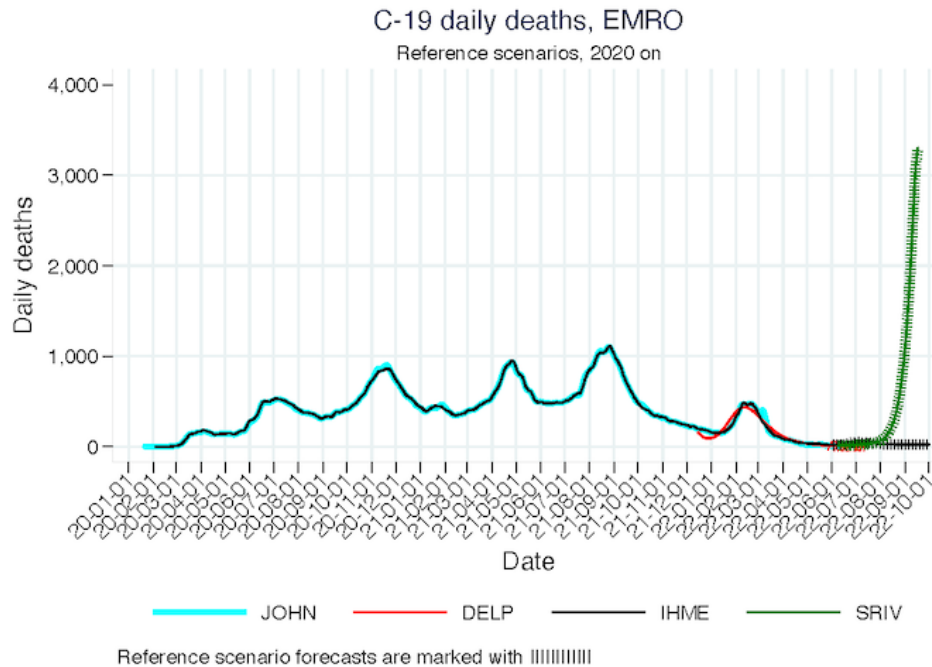


(6b) Americas region, without Canada & United States [Daily cases or infections, reference scenarios, 2022 on](#)



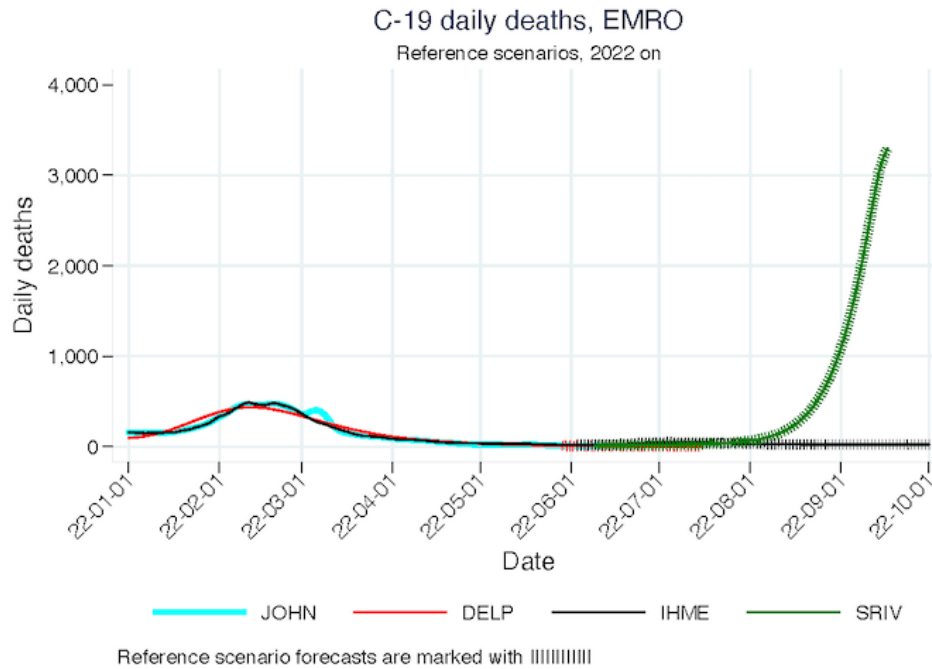
Selected graphs – Eastern Mediterranean region (EMRO)

(1) Eastern Mediterranean region [Daily deaths, reference scenarios, 2020 on](#)

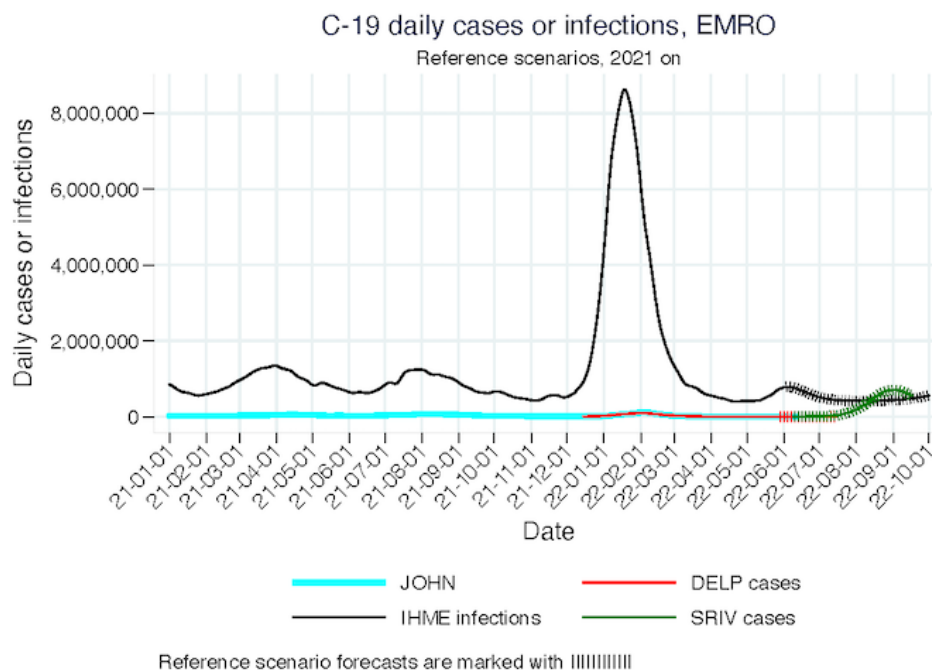


(3) Eastern Mediterranean region [Daily deaths, 3 scenarios, 2021 on](#)

(3b) Eastern Mediterranean region [Daily deaths, reference scenarios, 2022 on](#)

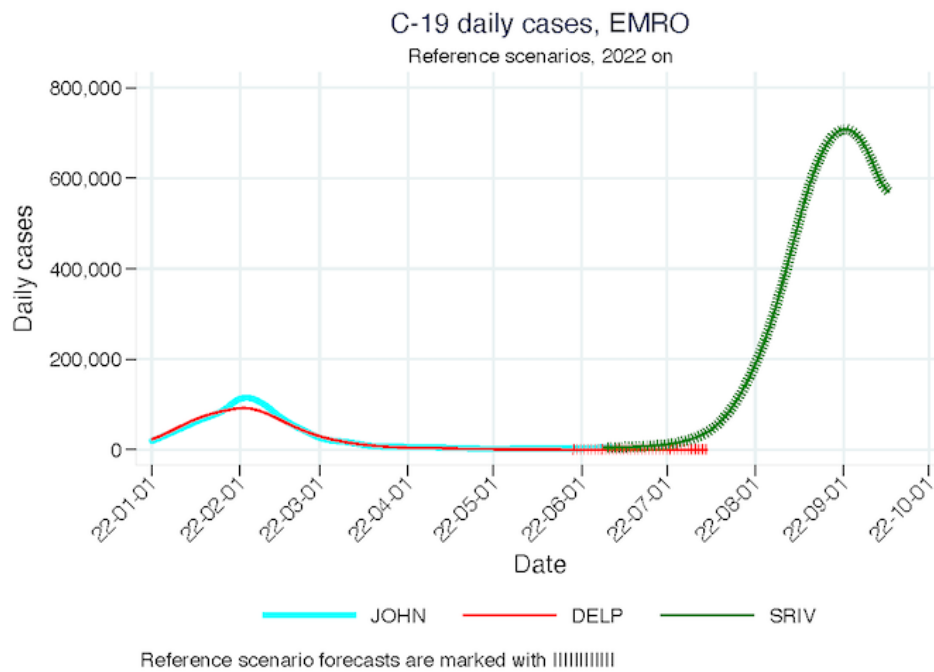


(4) Eastern Mediterranean region [Daily cases or infections, reference scenarios, 2020 on](#)



(6) Eastern Mediterranean region [Daily cases or infections, 3 scenarios, 2021 on](#)

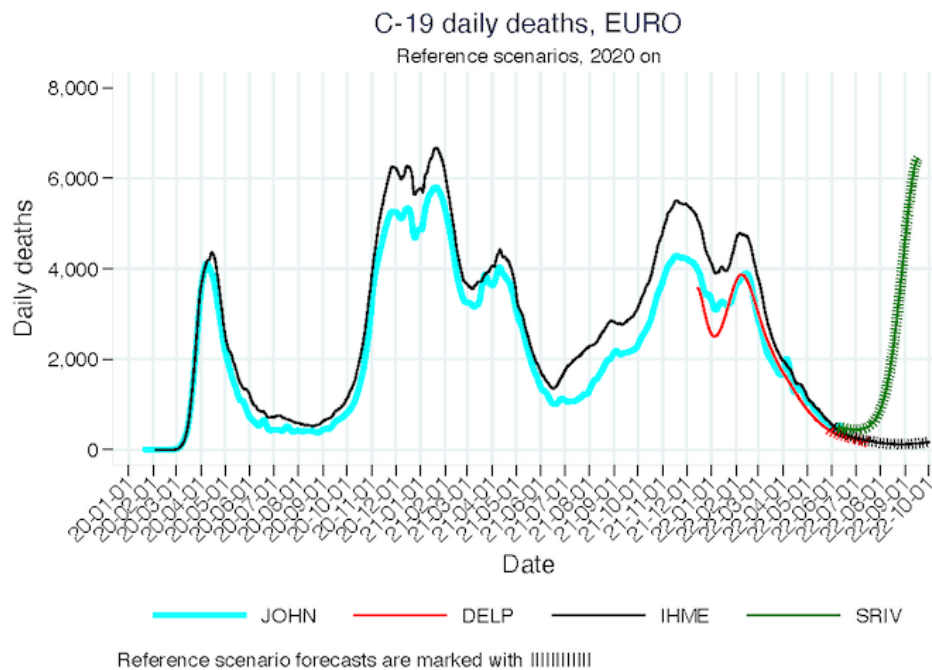
(6b) Eastern Mediterranean region [Daily cases or infections, reference scenarios, 2022 on](#)



•

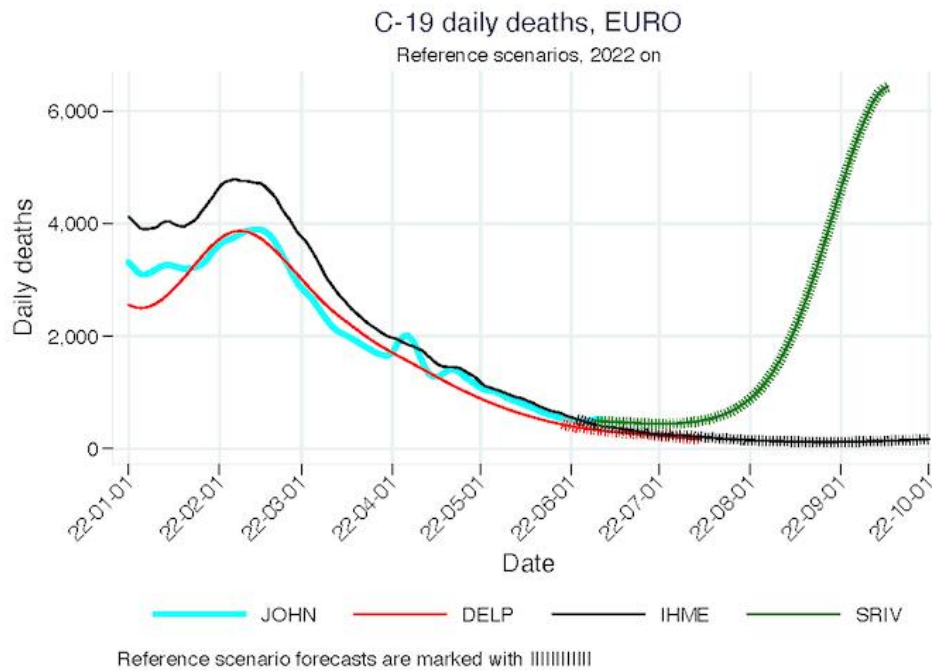
Selected graphs – European region (EURO)

(1) European region [Daily deaths, reference scenarios, 2020 on](#)

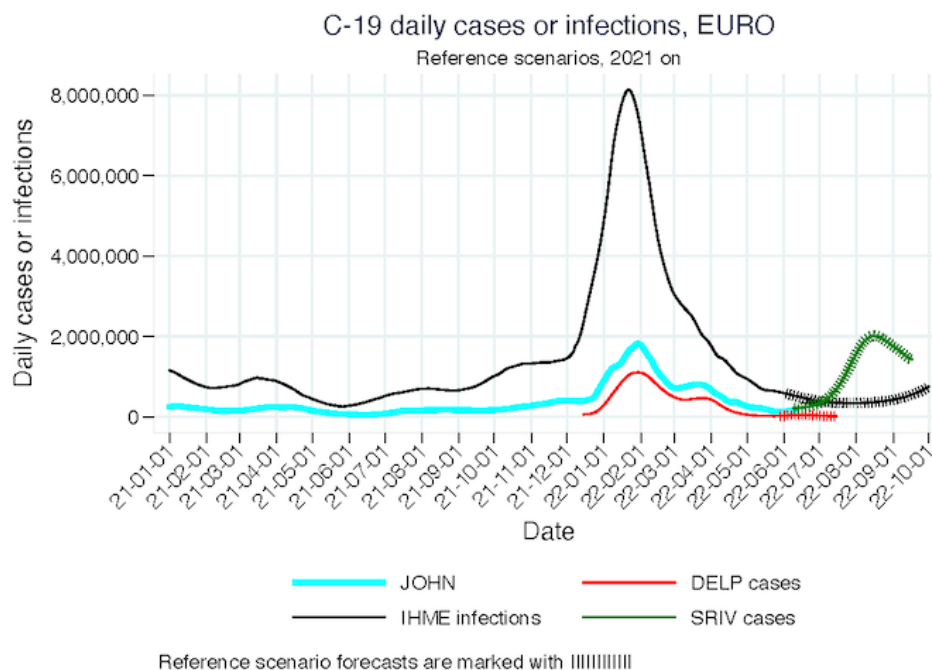


(3) European region [Daily deaths, 3 scenarios, 2021 on](#)

(3b) European region [Daily deaths, reference scenarios, 2022 on](#)

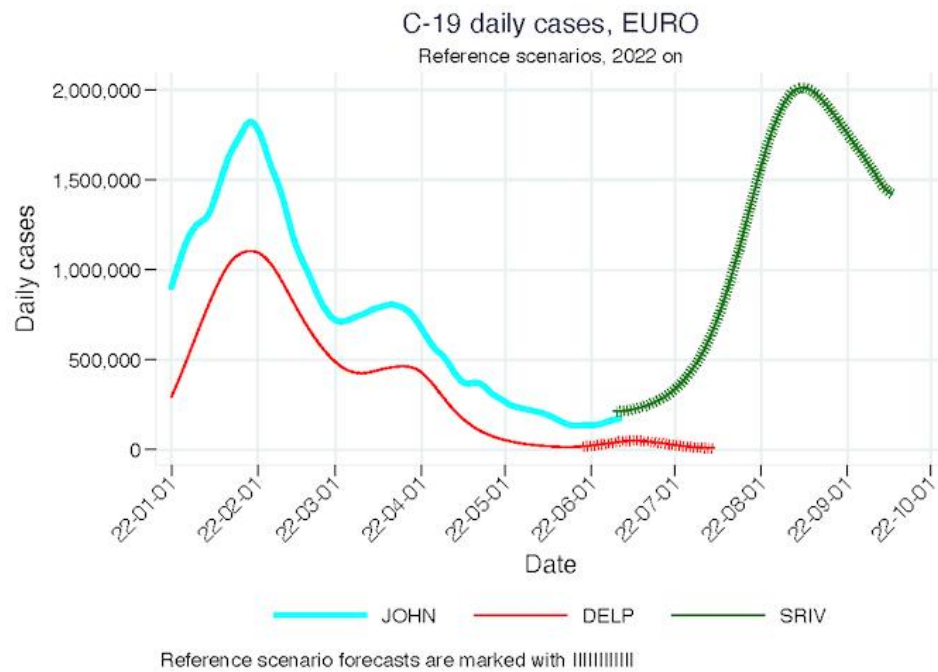


(4) European region [Daily cases or infections, reference scenarios, 2020 on](#)



(6) European region [Daily cases or infections, 3 scenarios, 2021 on](#)

(6b) European region [Daily cases or infections, reference scenarios, 2022 on](#)

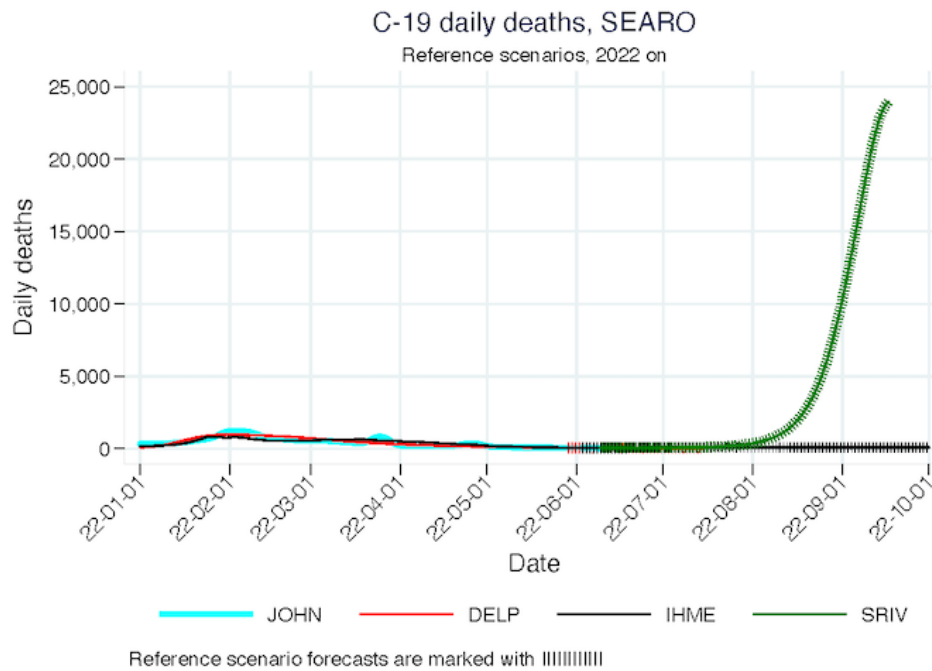


•

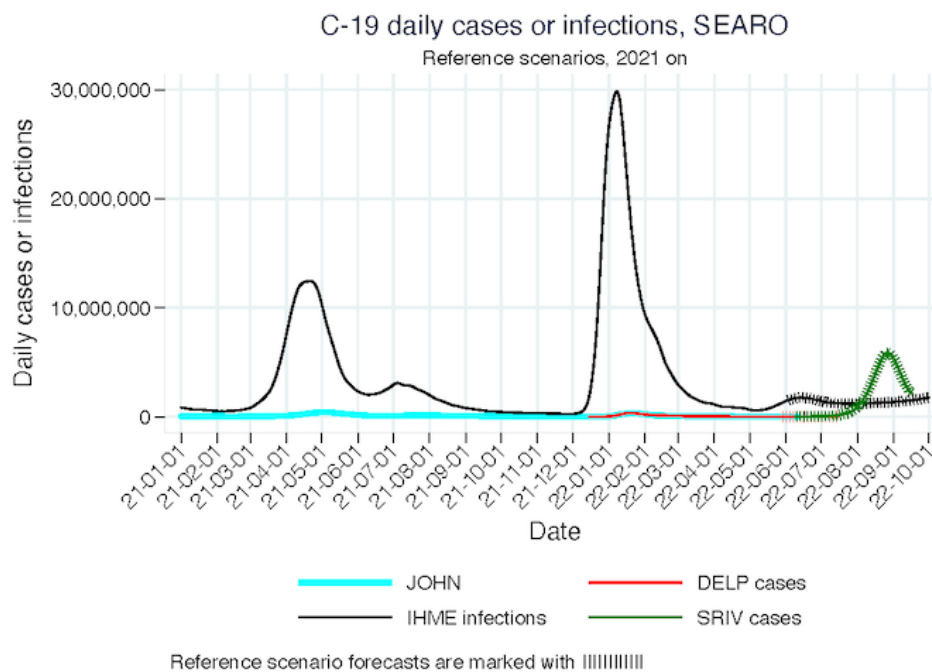
(1) South-East Asian region [Daily deaths, reference scenarios, 2020 on](#)



(3b) South-East Asian region [Daily deaths, reference scenarios, 2022 on](#)

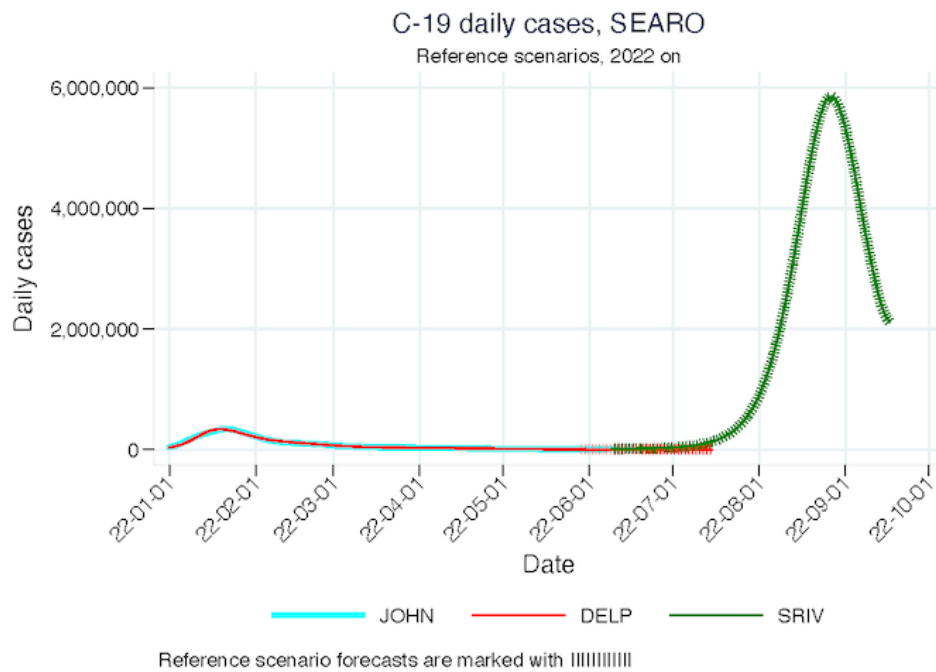


(4) South-East Asian region [Daily cases or infections, reference scenarios, 2020 on](#)



(6) South-East Asian region [Daily cases or infections, 3 scenarios, 2021 on](#)

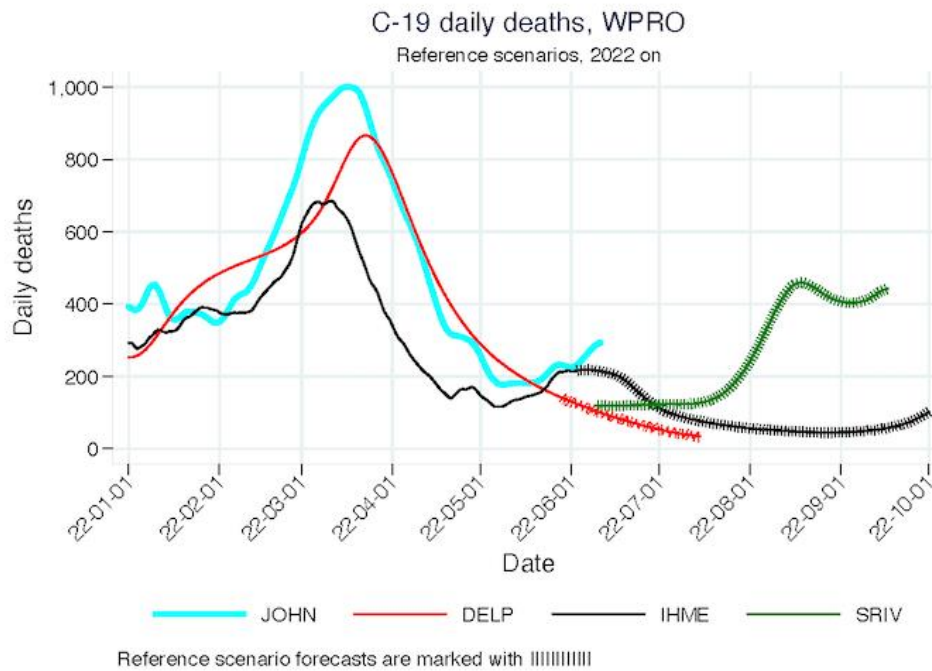
(6b) South-East Asian region [Daily cases or infections, reference scenarios, 2022 on](#)



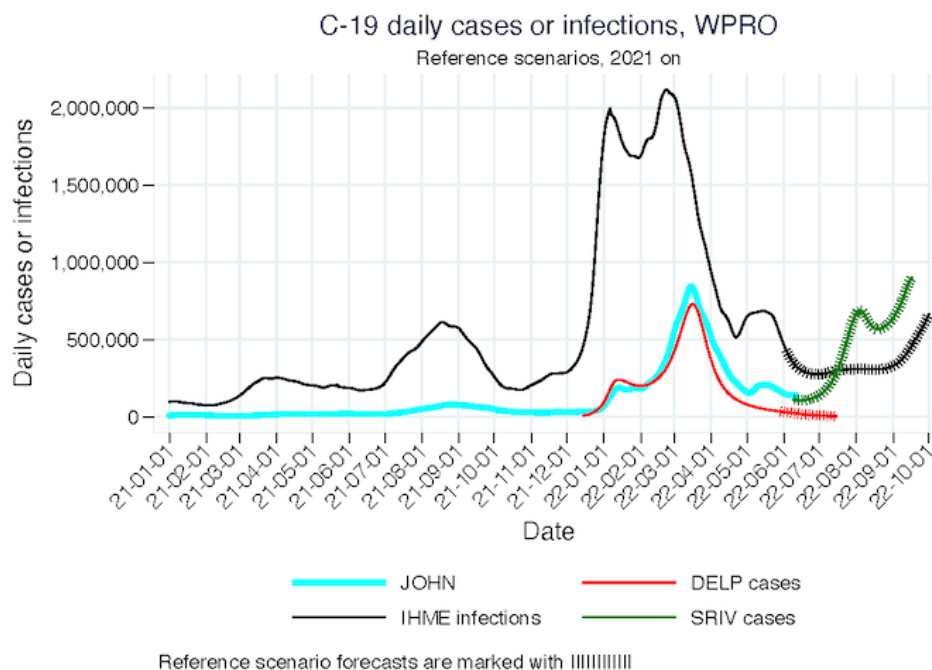
•

C-19 daily deaths, WPRO
Reference: newspaper, 2020 on

(3b) Western Pacific region [Daily deaths, reference scenarios, 2022 on](#)



(4) Western Pacific region [Daily cases or infections, reference scenarios, 2020 on](#)



(6) Western Pacific region [Daily cases or infections, 3 scenarios, 2021 on](#)

(6b) Western Pacific region [Daily cases or infections, reference scenarios, 2022 on](#)

