

## Global and regional COVID-19 epidemic models situation report No 46 – 2022-05-27

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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.

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Based on uptake 20220527 in <https://github.com/pourmalek/CovidVisualizedGlobal>

### Study update dates in uptake 20220527

**DELP 20220527**, IHME 20220506, No IMPE, **SRIV 20220522**

Days old: DELP 0, IHME 14, IMPE 67, SRIV 5

IMPE update 20220315 was released on 20220505 and is > 60 days old on 20220527. Not included.

**Strengths and weakness** of the international and periodically update COVID-19 pandemic models are discussed [here](#).

## Summary 20220527:

Reported deaths show a small bounce up trend in Europe and United States.

Reported cases show a small bounce up trend in United States.

The SRIV model predicts increase in global daily deaths starting from mid-May 2022 reaching 12,000 per day in late August and above 3 million global cases about mid-August – primarily in United States and Europe.

The DELP model predicts a huge spike in daily deaths in Africa in June 2000, up to 950 per day, down to current levels in July.

## NEXT-DEMICS:

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(1) **MONKEY POX**: Status uncertain.

(2) **FOOD SCARCITY** and malnutrition plus **WATER SCARCITY** and **WEATHER**

**CALAMITIES** (environmental degradation, global warming) culminate in epidemics of nutritional, infectious, and non-communicable diseases in many countries, probably resulting in a new pandemic.

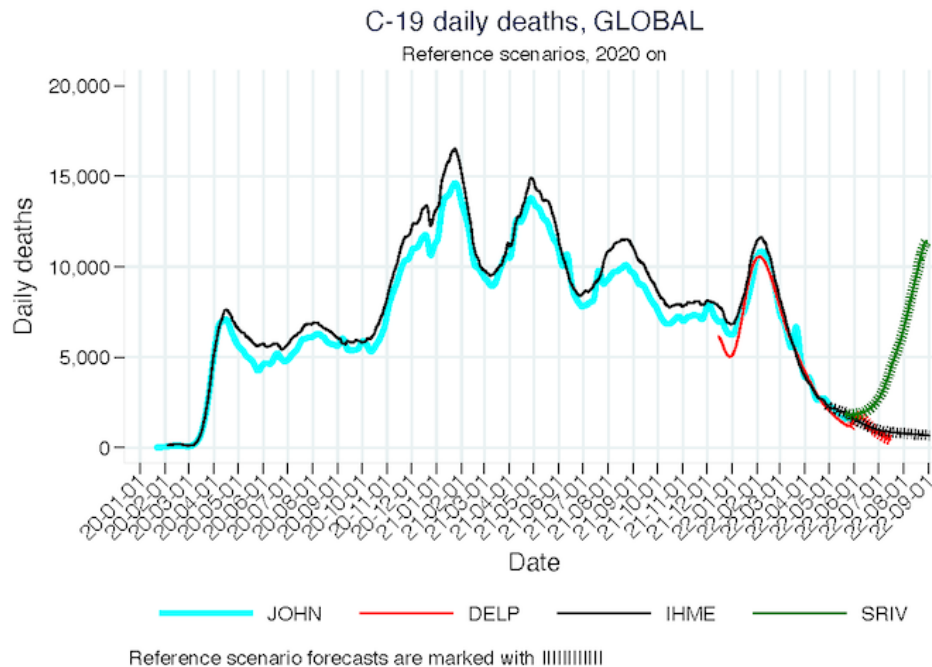
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## Selected graphs - Global

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



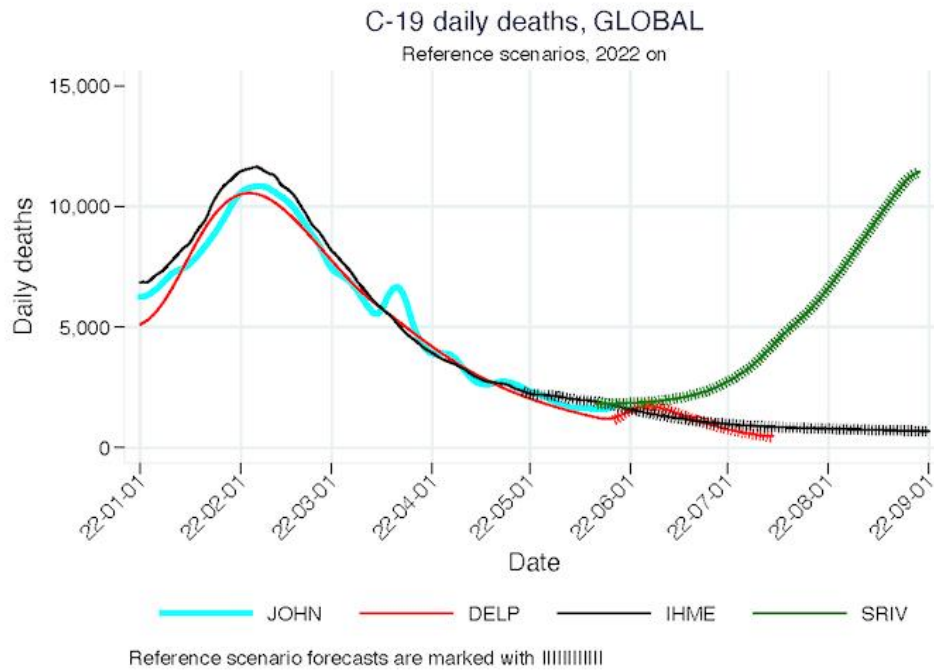
(1b) Global [Daily deaths, reference scenarios, with excess mortality, 2020 on](#)

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

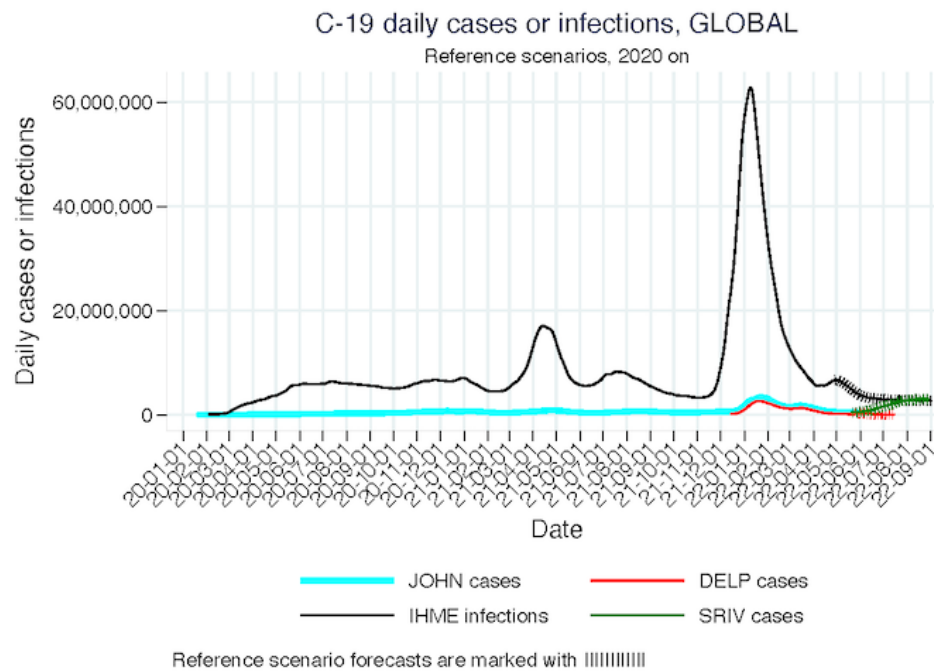
(3) Global [Daily deaths, 3 scenarios, 2021 on](#)

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

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

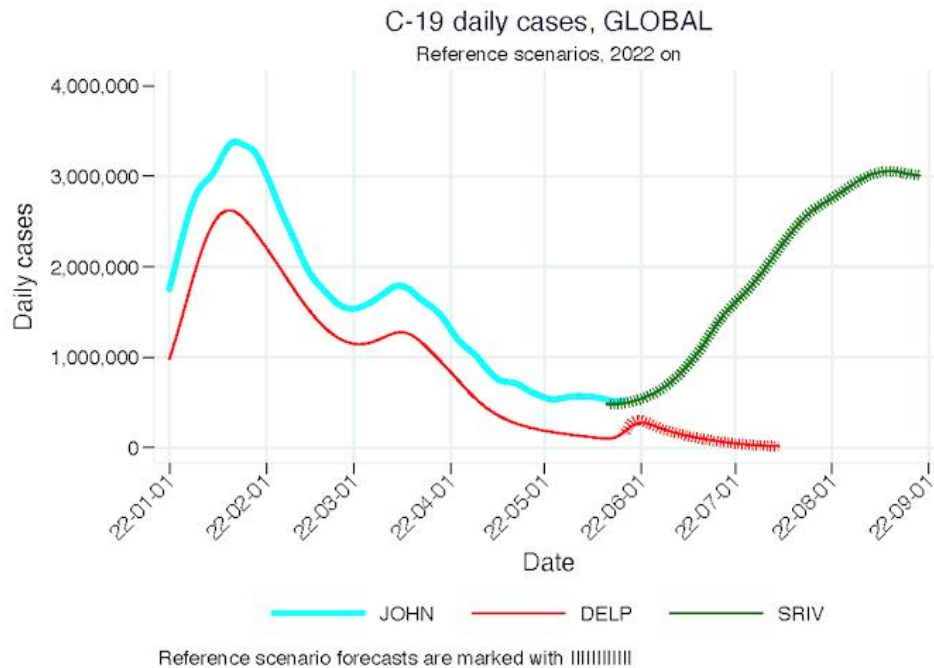


(4) Global [Daily cases or infections, reference scenarios, 2020 on](#)



(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](#)

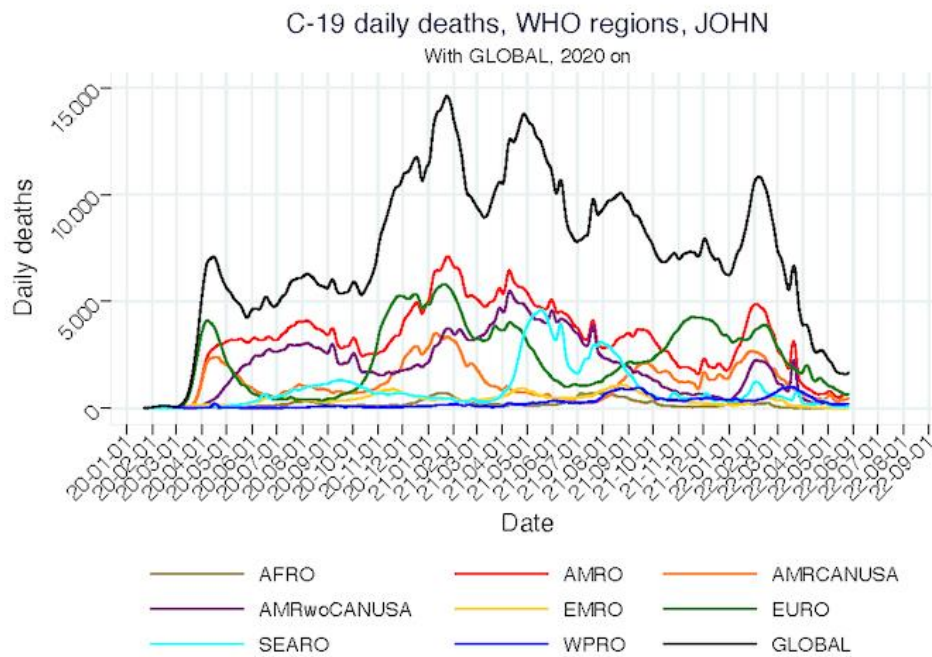
(11b) Global [Daily Infection -detection and -hospitalizations ratios, 2 scenarios, 2020 on, IHME](#)

(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](#)

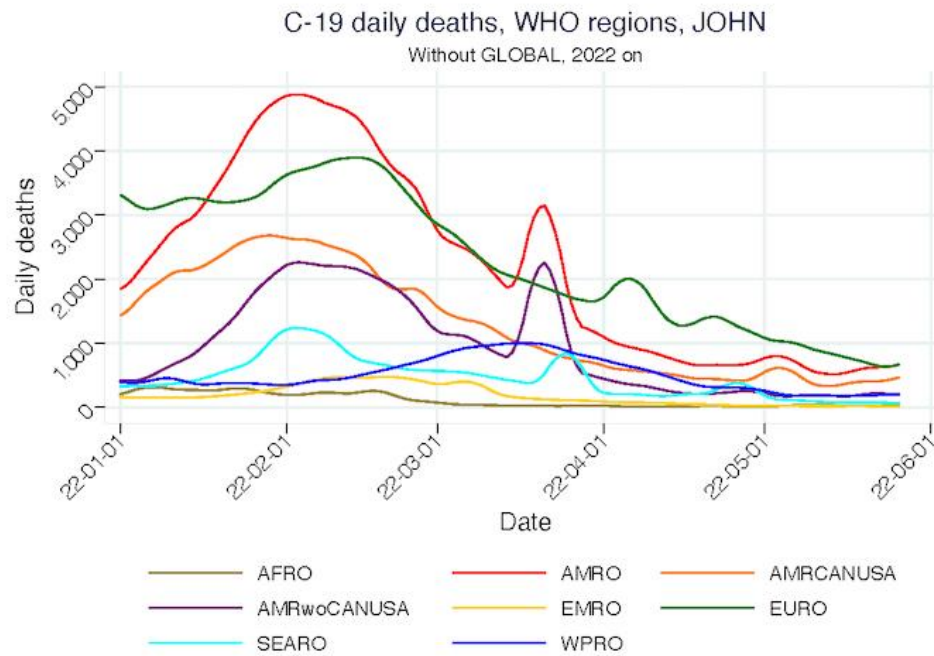


(0b) Regions together [Daily deaths, without GLOBAL, 2020 on, JOHN](#)

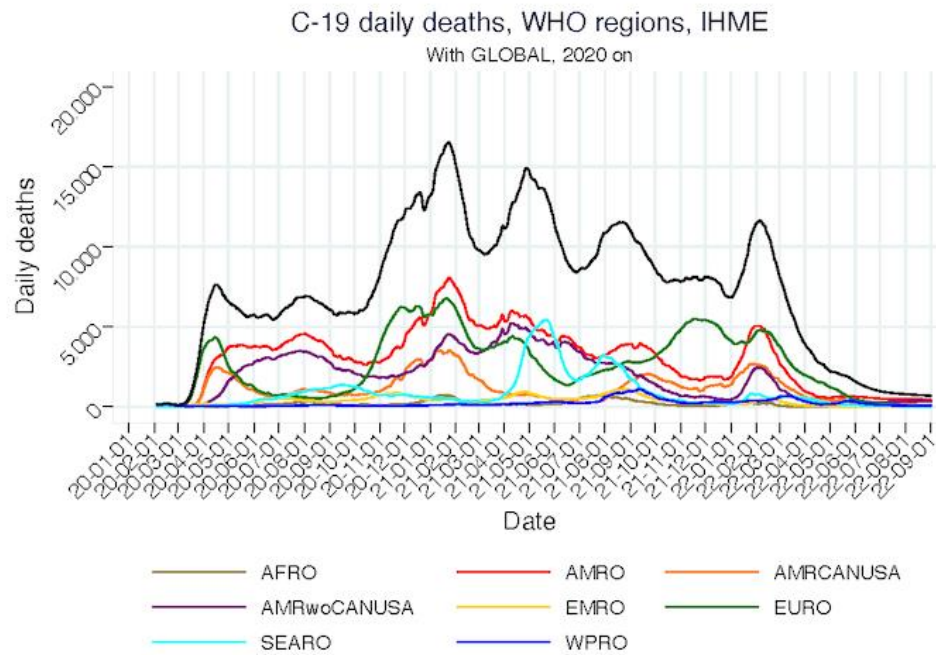
(0c) Regions together [Daily deaths, with GLOBAL, 2022 on, JOHN](#)



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

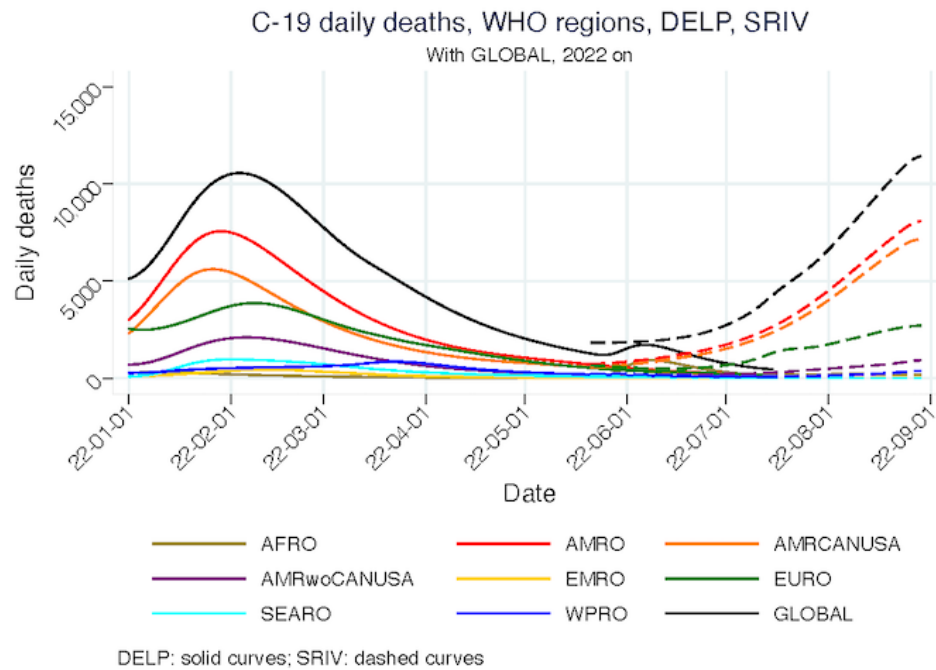


(1) Regions together [Daily deaths, with GLOBAL, 2020 on, IHME](#)



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

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

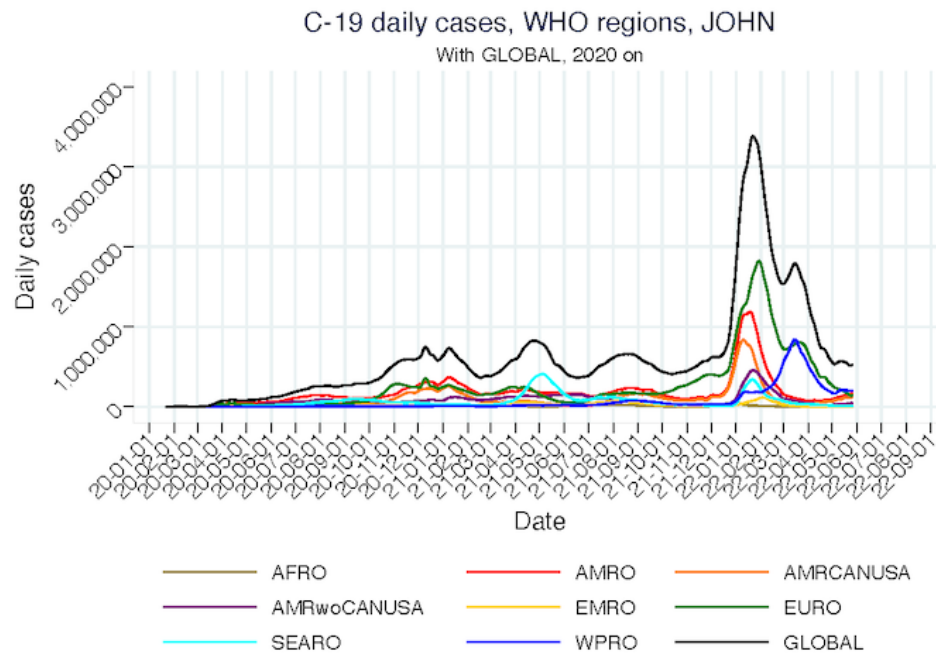


(4) Regions together [Daily deaths, without GLOBAL, 2022 on, DELP, SRIV](#)

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

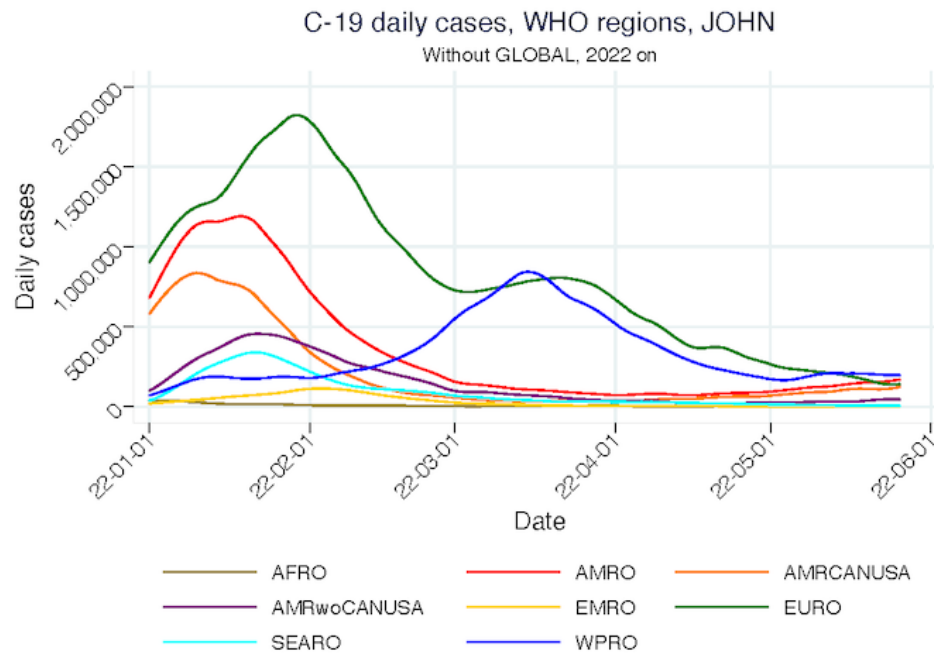
(6) Regions together [Daily excess deaths, without GLOBAL, 2020 on, IHME](#)

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

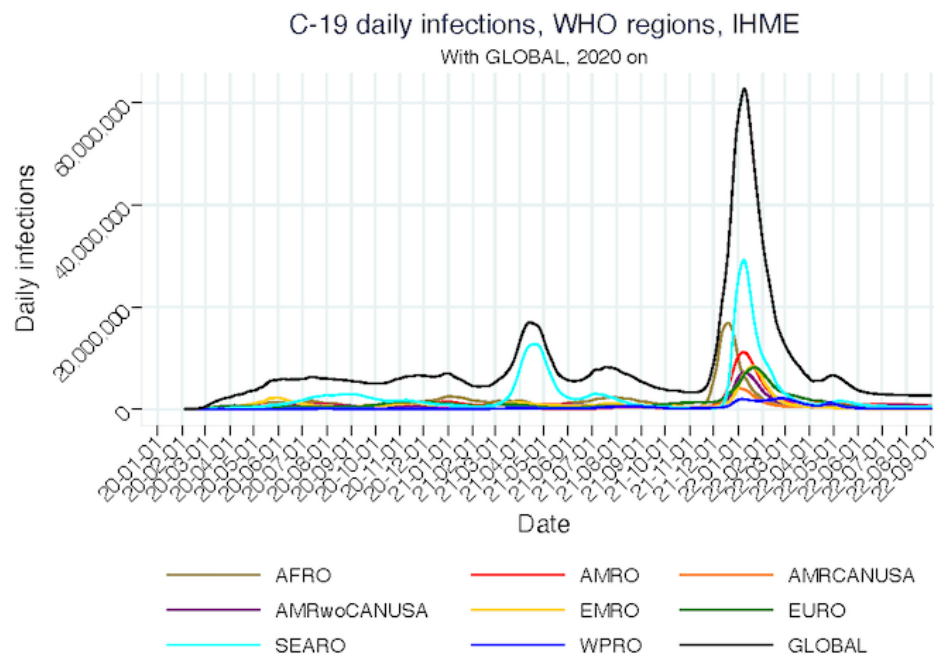


(00b) Regions together [Daily cases, without GLOBAL, 2020 on, JOHN](#)

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

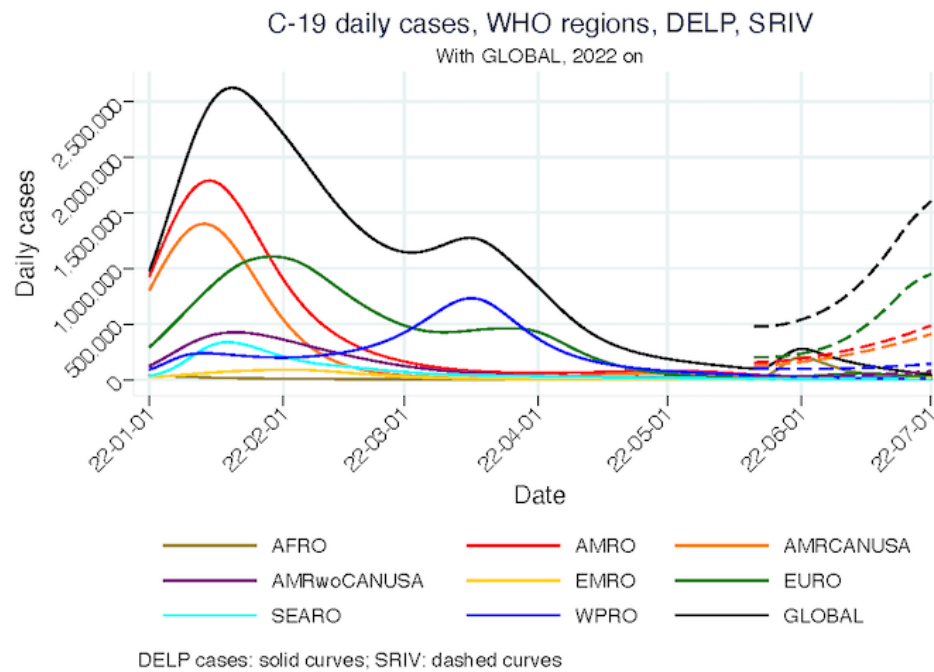


(7) Regions together [Daily infections, with GLOBAL, 2020 on, IHME](#)



(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](#)

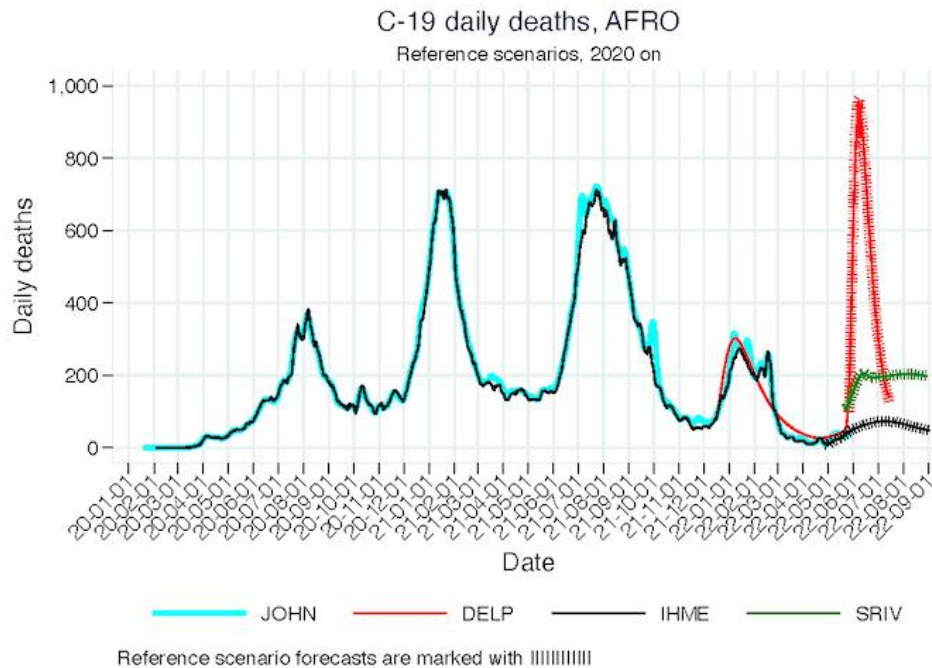
(19) Regions together [Total cases, with GLOBAL, 2022 on, DELP, SRIV](#)

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

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## Selected graphs - African region (AFRO)

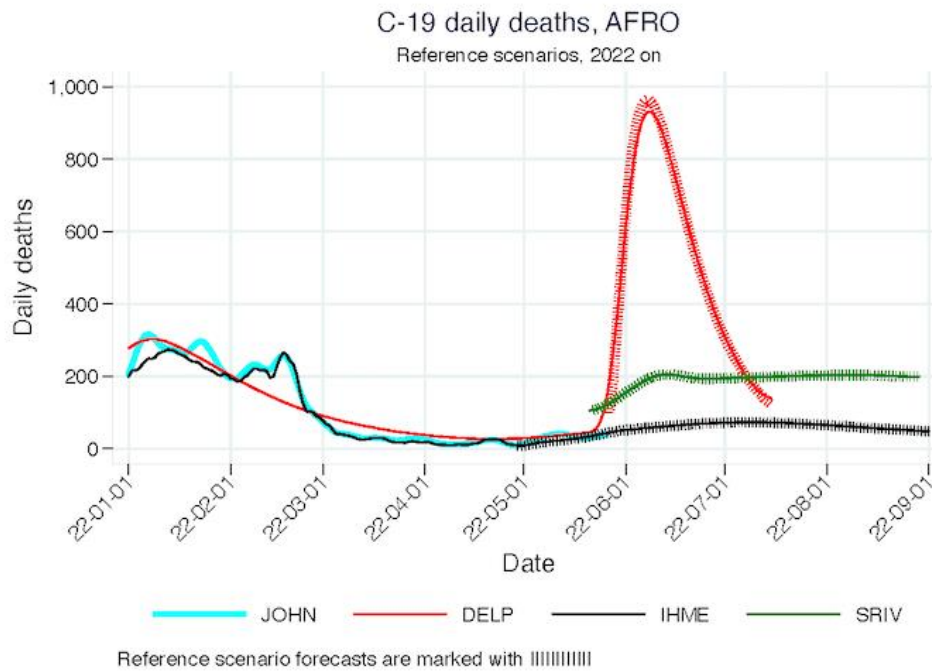
(1) African region [Daily deaths, reference scenarios, 2020 on](#)



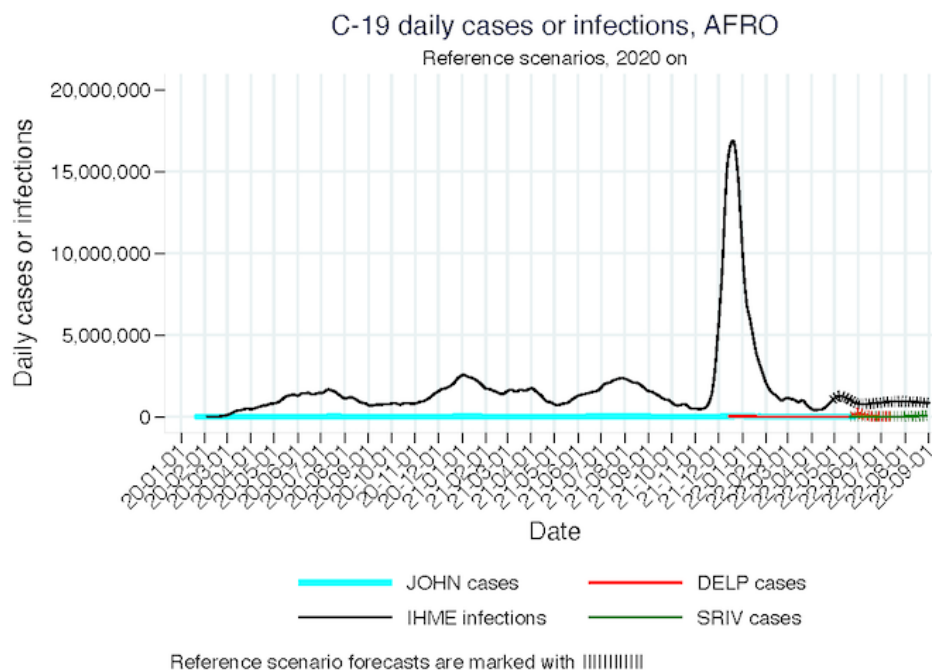
(3) African region [Daily deaths, 3 scenarios, 2021 on](#)



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

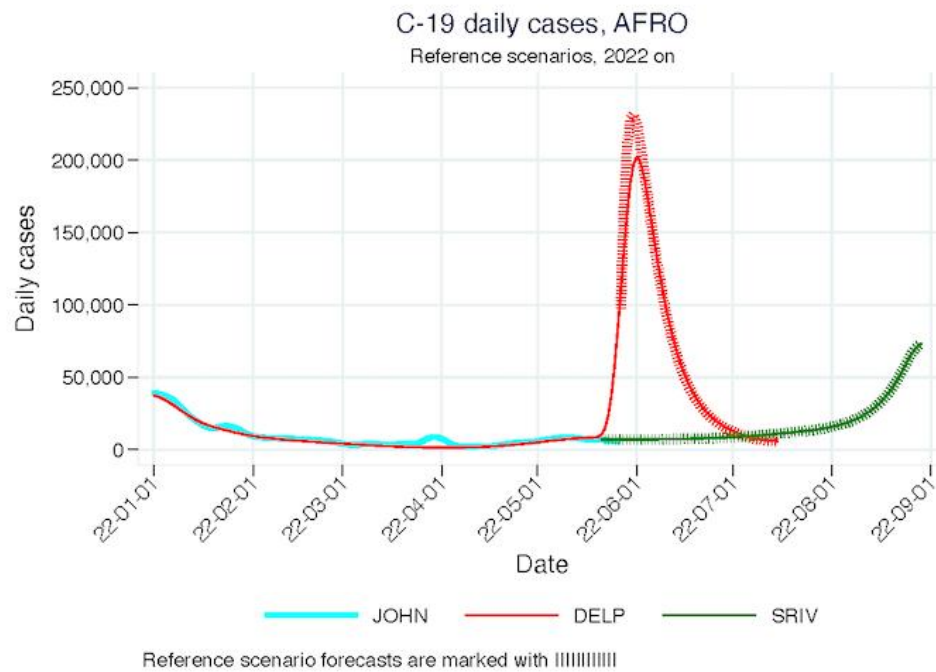


(4) African region [Daily cases or infections, reference scenarios, 2020 on](#)



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

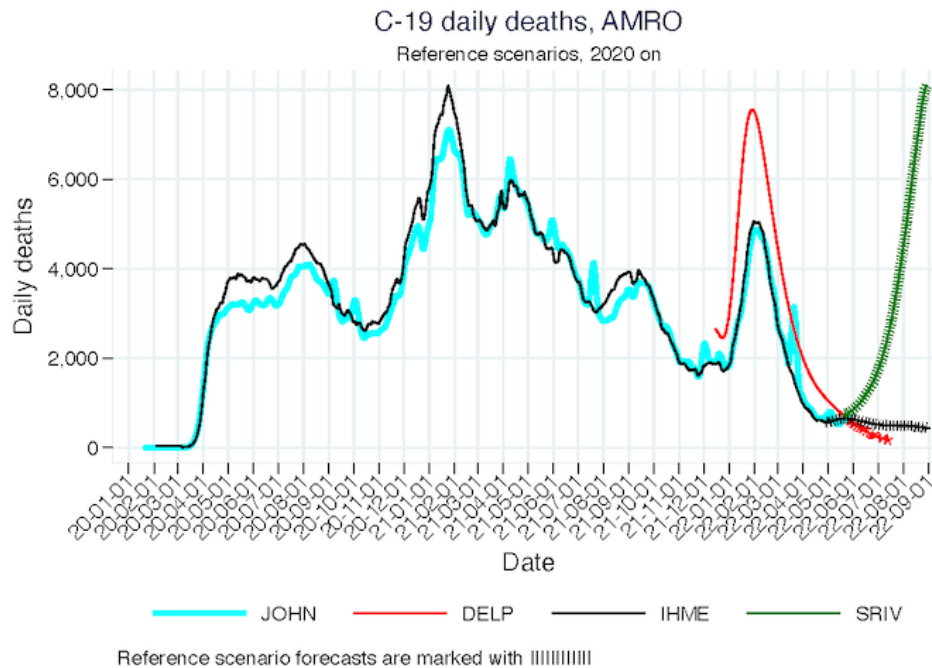
(6b) African region [Daily cases or infections, reference scenarios, 2022 on](#)



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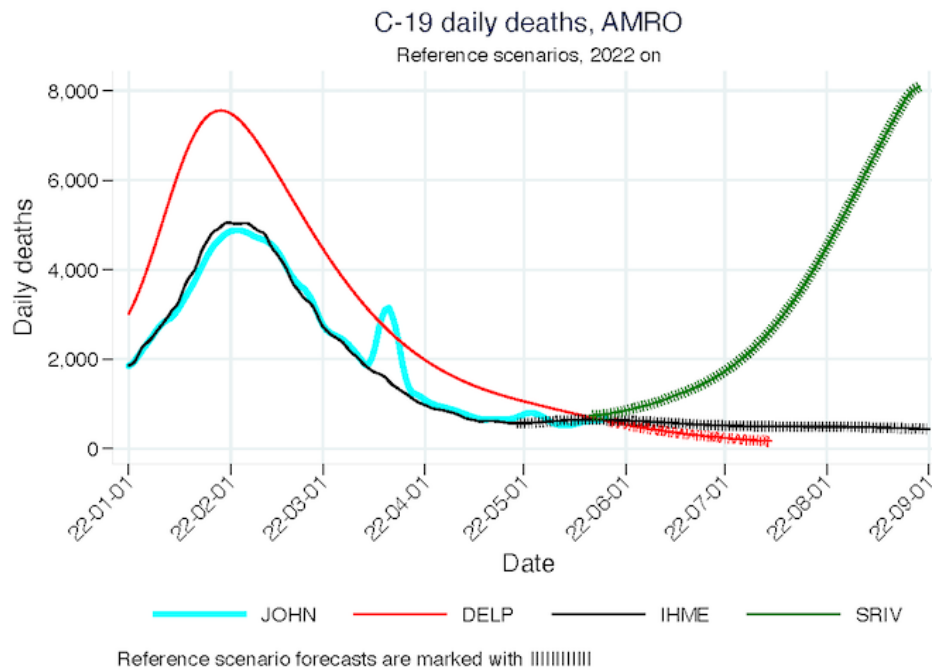
## Selected graphs – Americas region (AMRO)

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

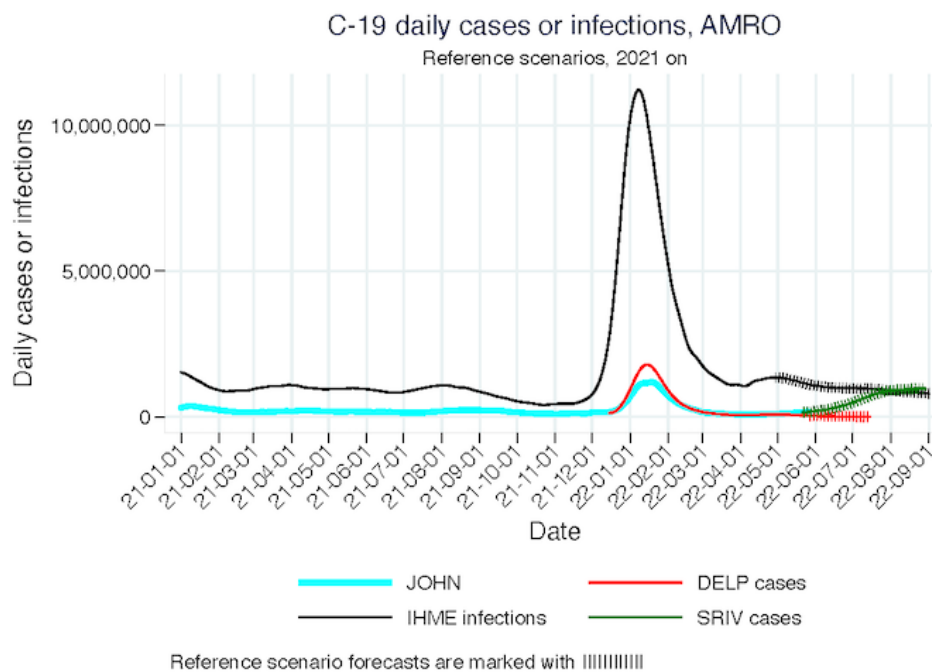


(3) Americas region [Daily deaths, 3 scenarios, 2021 on](#)

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

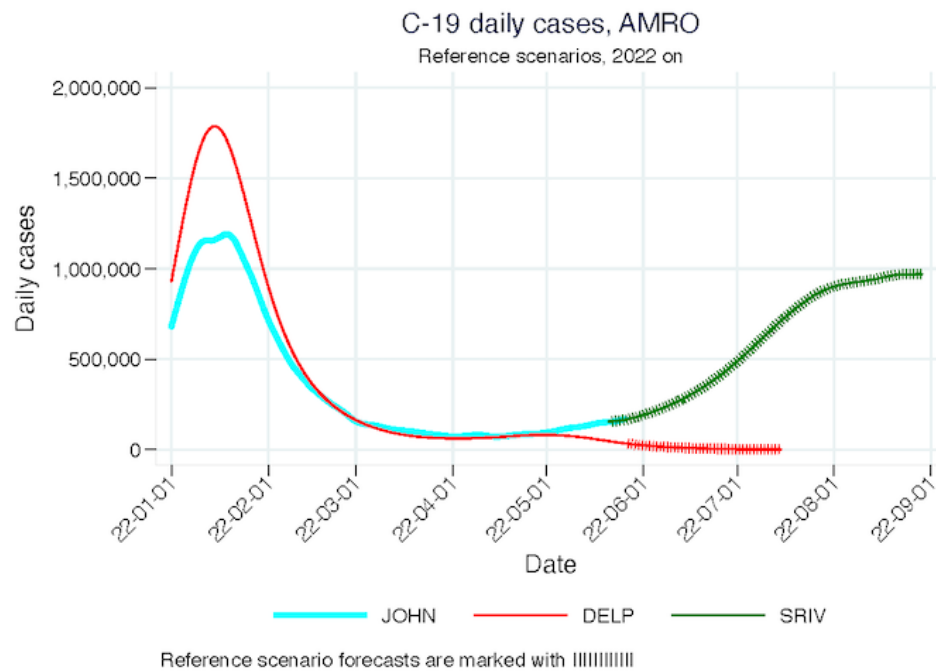


(4) Americas region [Daily cases or infections, reference scenarios, 2020 on](#)



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

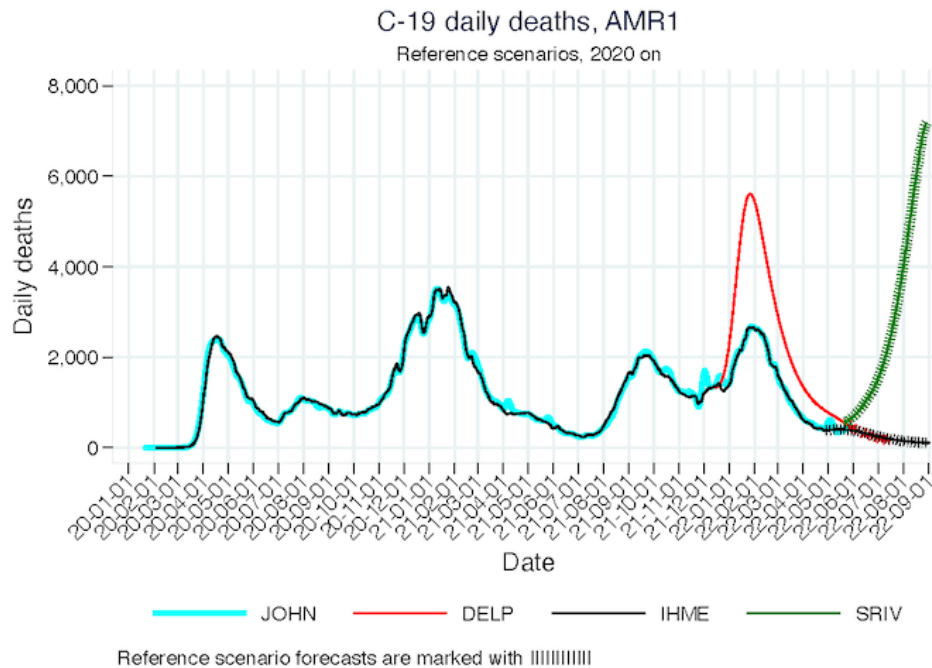
(6b) Americas region [Daily reference, 3 scenarios, 2022 on](#)



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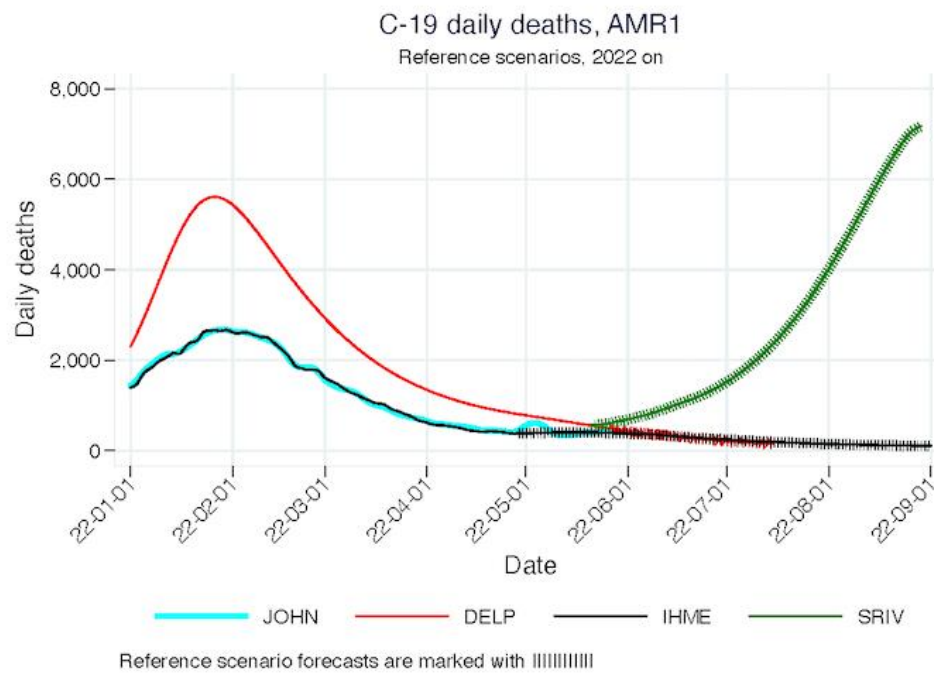
## Selected graphs – Americas region, Canada and United States (AMR1)

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

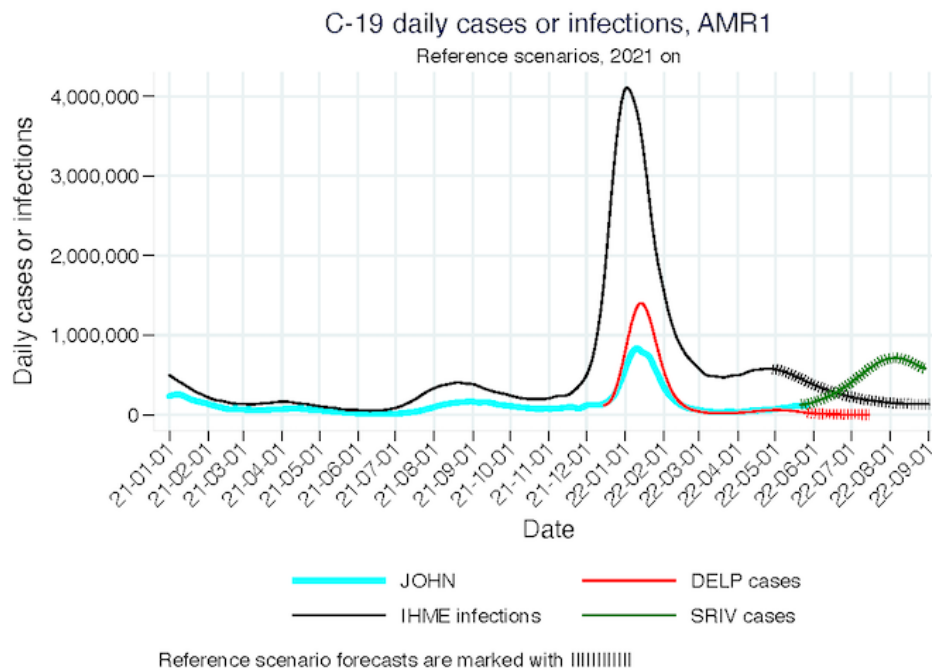


(3) Americas region, Canada and United States [Daily deaths, 3 scenarios, 2021 on](#)

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



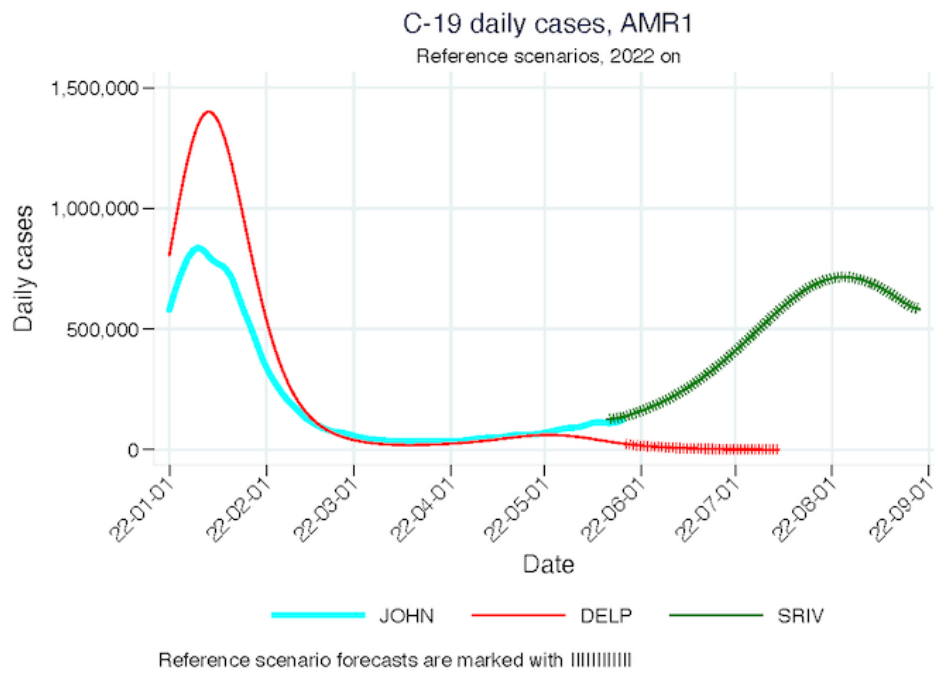
(4) Americas region, Canada and United States [Daily cases or infections, reference scenarios, 2020 on](#)



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



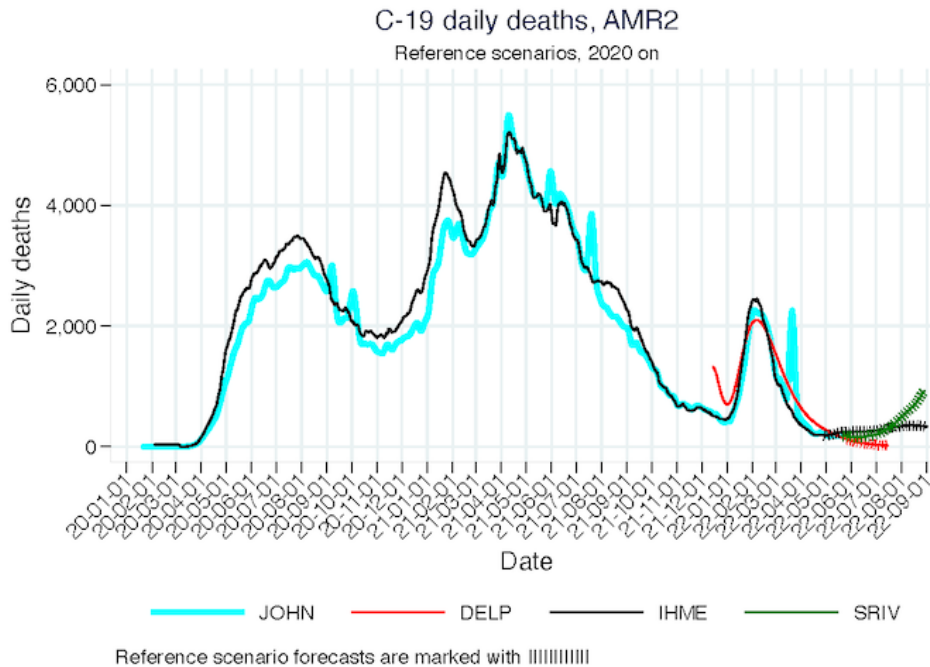
(6b) Americas region, Canada and United States [Daily cases or infections, reference scenarios, 2022 on](#)



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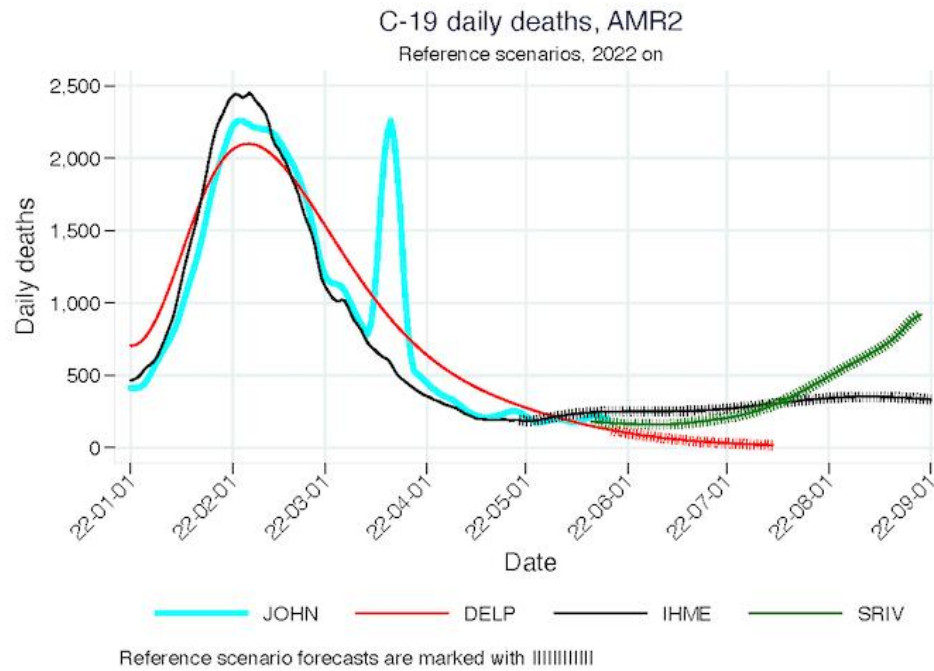
## Selected graphs – Americas region, without Canada and United States (AMR2)

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

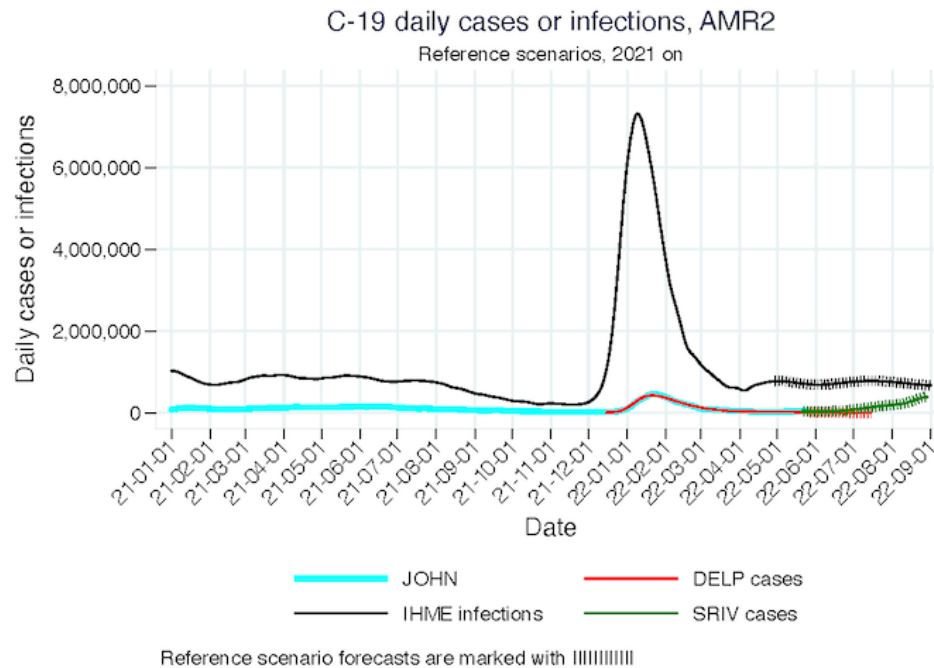


(3) Americas region, without Canada and United States [Daily deaths, 3 scenarios, 2021 on](#)

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

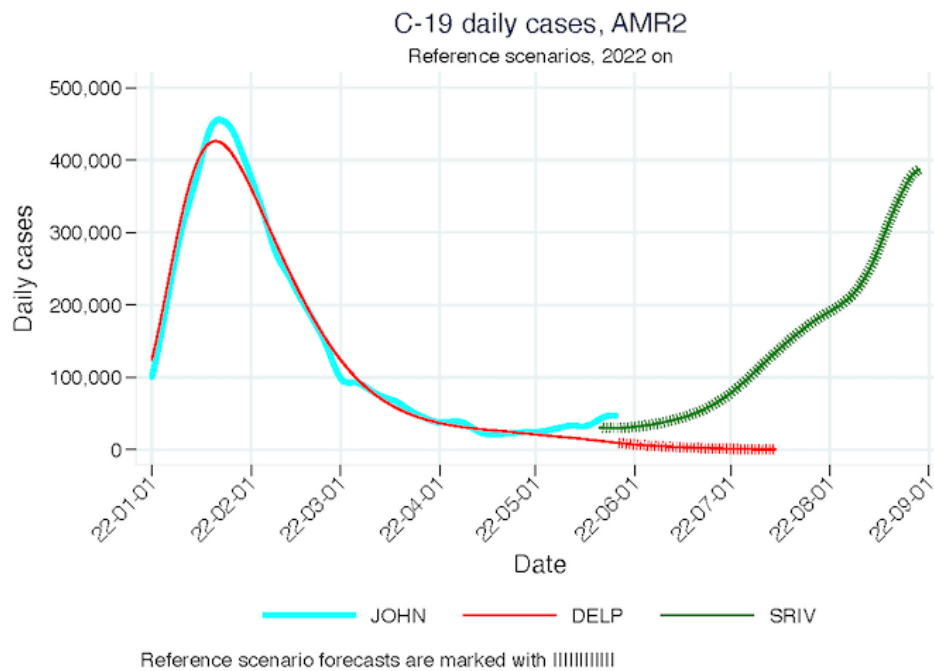


(4) Americas region, without Canada and United States [Daily cases or infections, reference scenarios, 2020 on](#)



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

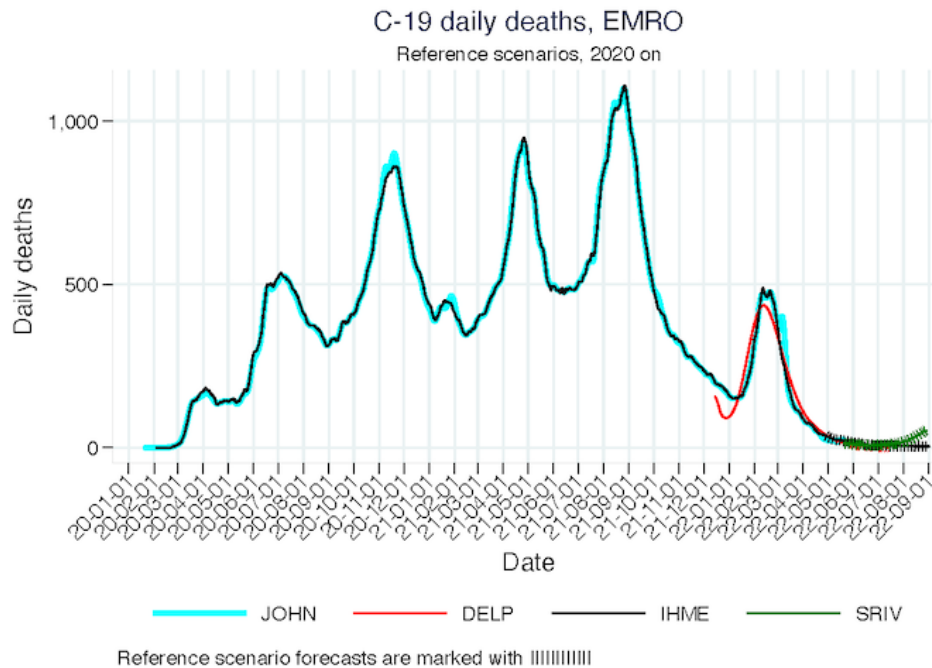
(6b) Americas region, without Canada and United States [Daily cases or infections, reference scenarios, 2022 on](#)



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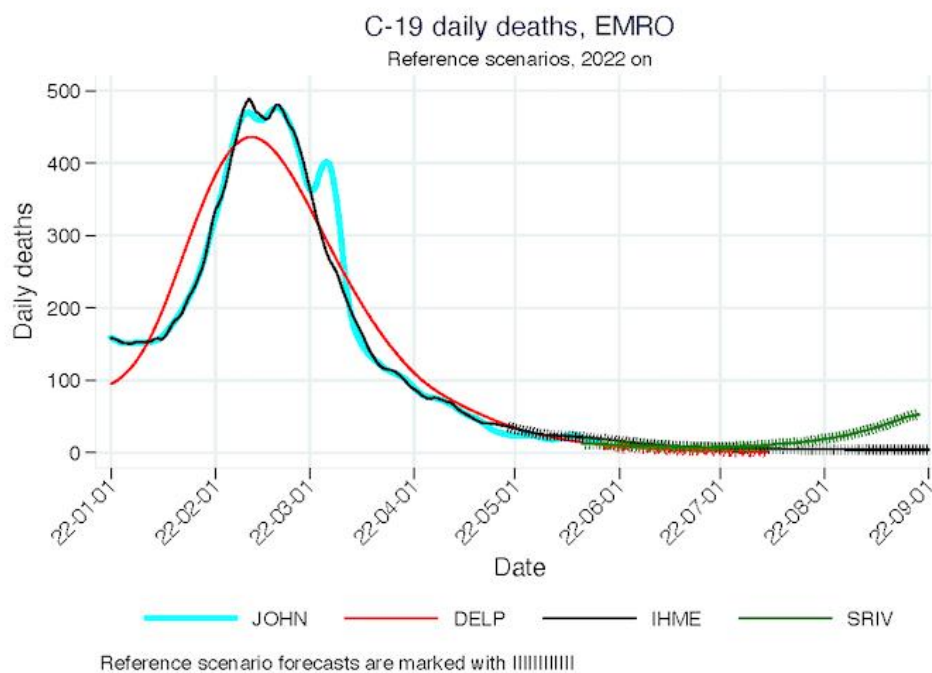
## Selected graphs – Eastern Mediterranean region (EMRO)

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

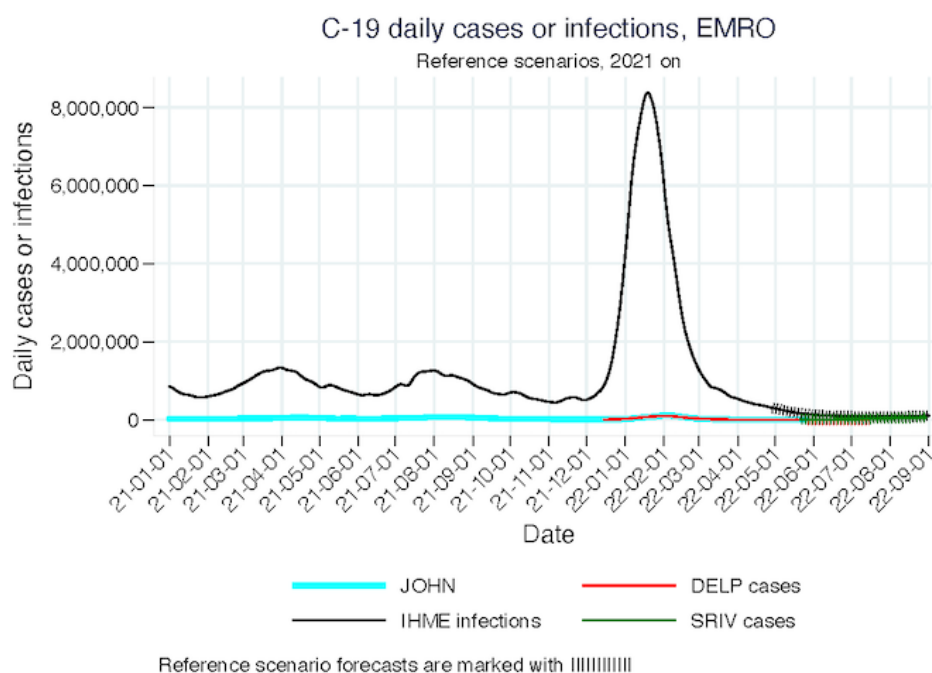


(3) Eastern Mediterranean region [Daily deaths, 3 scenarios, 2021 on](#)

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

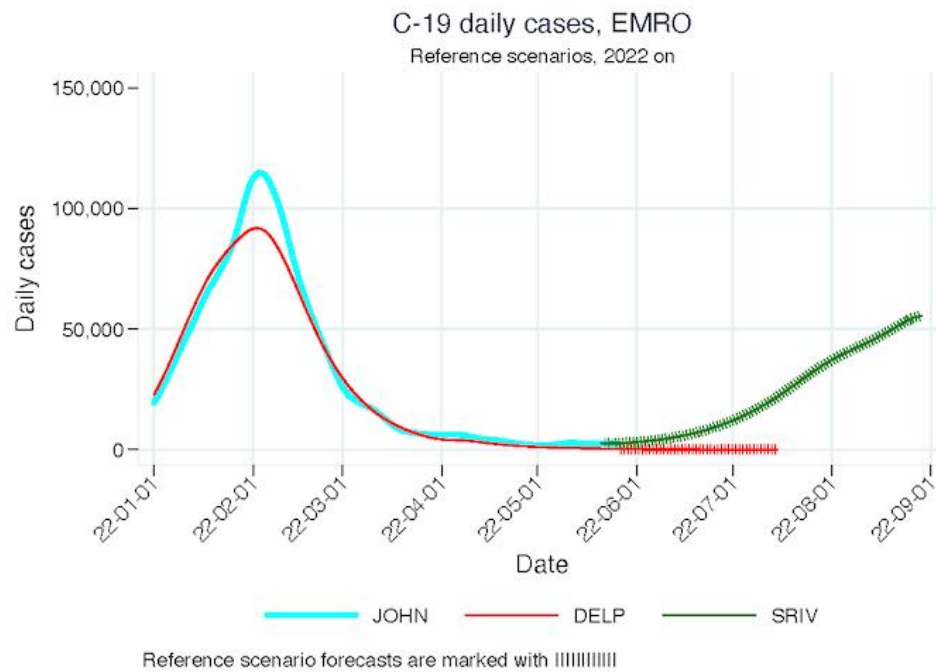


(4) Eastern Mediterranean region [Daily cases or infections, reference scenarios, 2020 on](#)



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

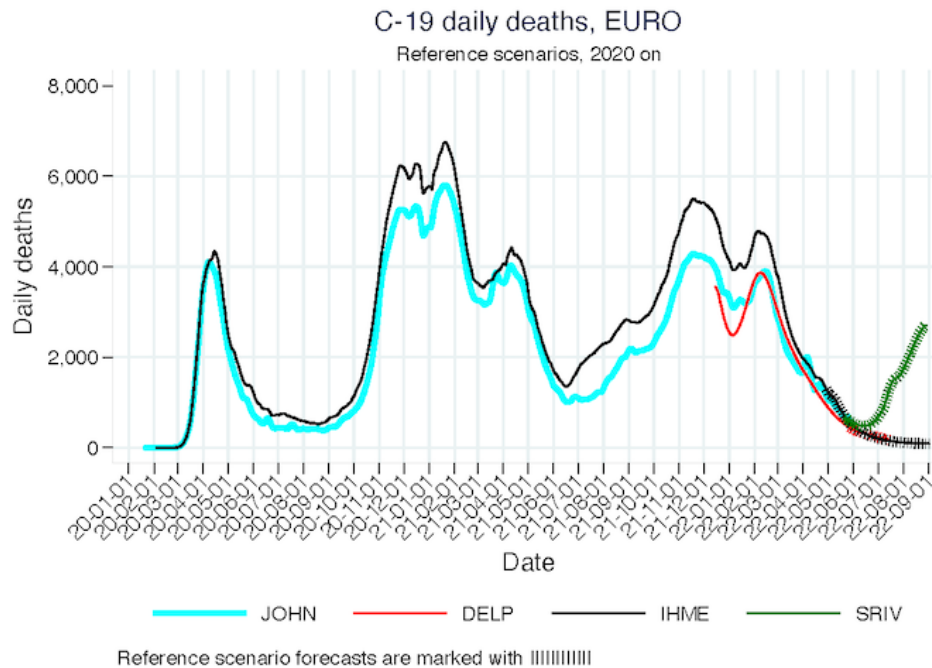
(6b) Eastern Mediterranean region [Daily cases or infections, reference scenarios, 2022 on](#)



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## Selected graphs – European region (EURO)

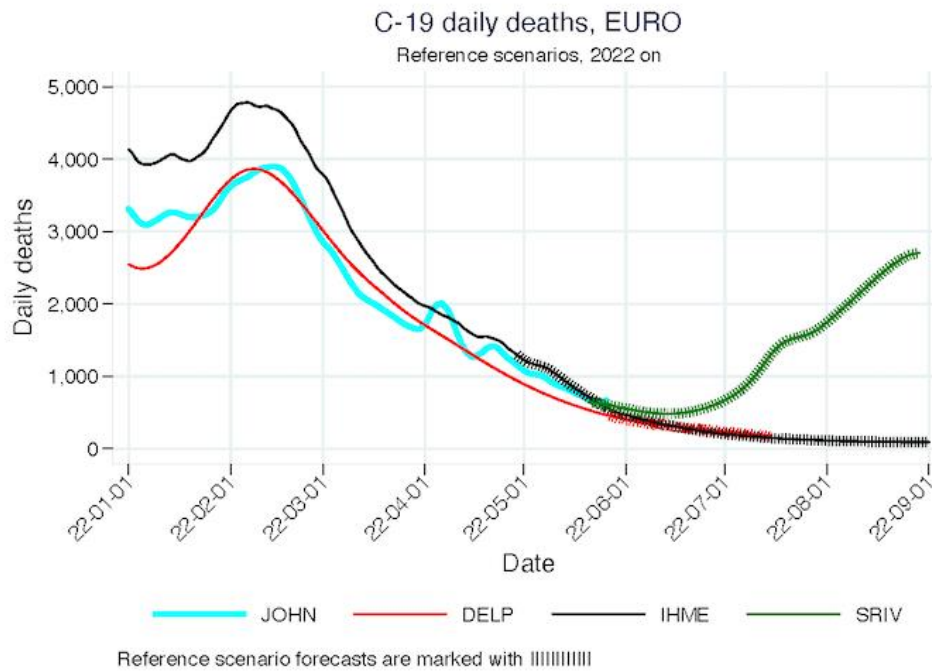
(1) European region [Daily deaths, reference scenarios, 2020 on](#)



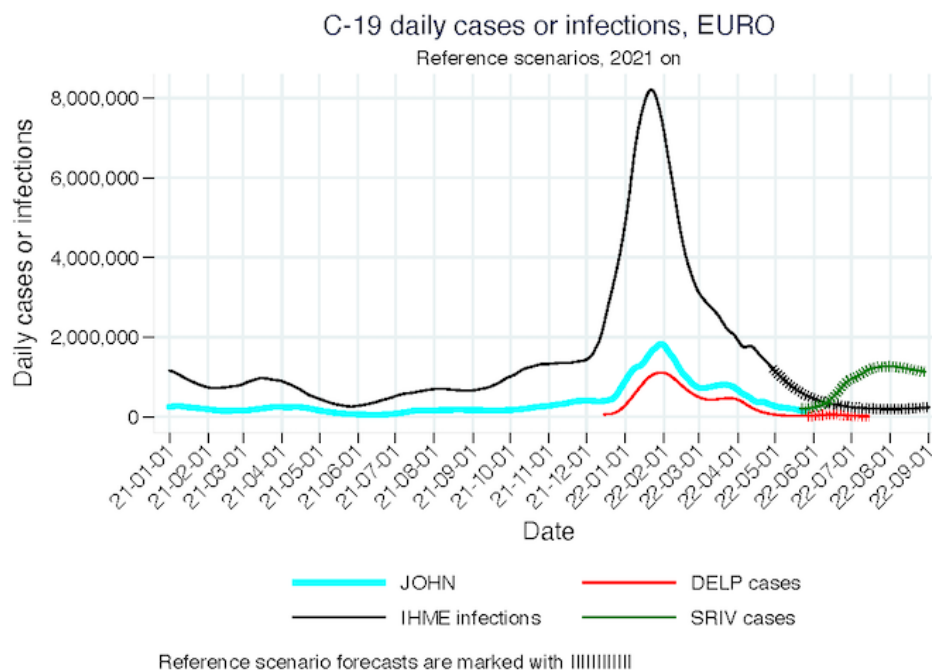
(3) European region [Daily deaths, 3 scenarios, 2021 on](#)



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

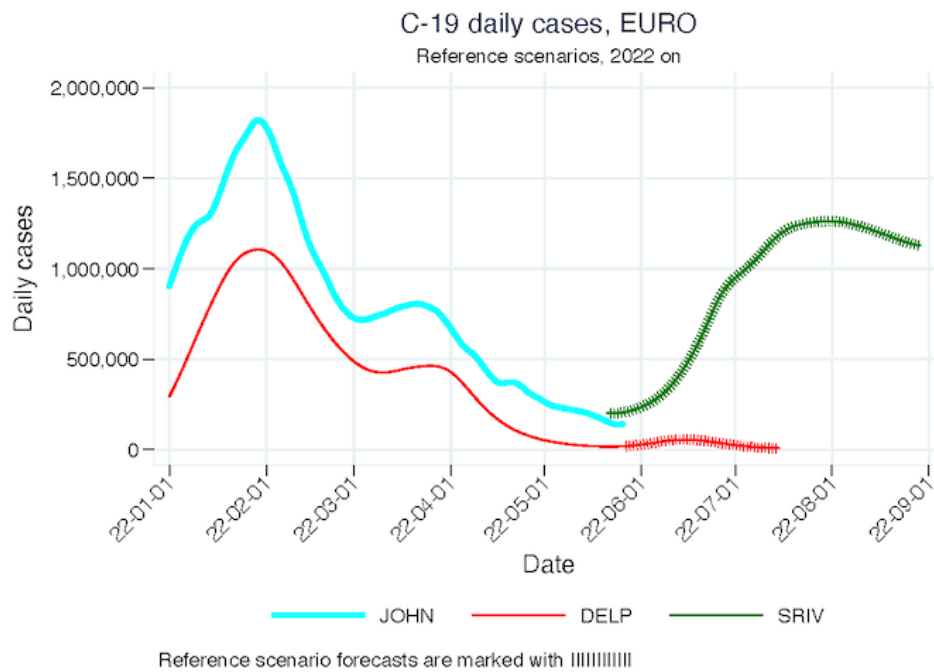


(4) European region [Daily cases or infections, reference scenarios, 2020 on](#)



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

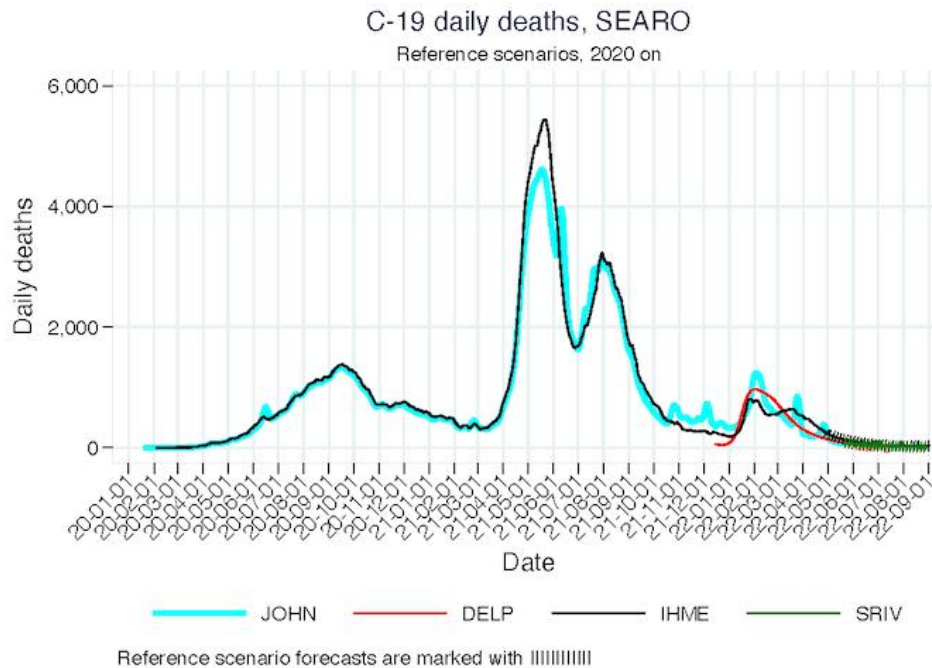
(6b) European region [Daily cases or infections, reference scenarios, 2022 on](#)



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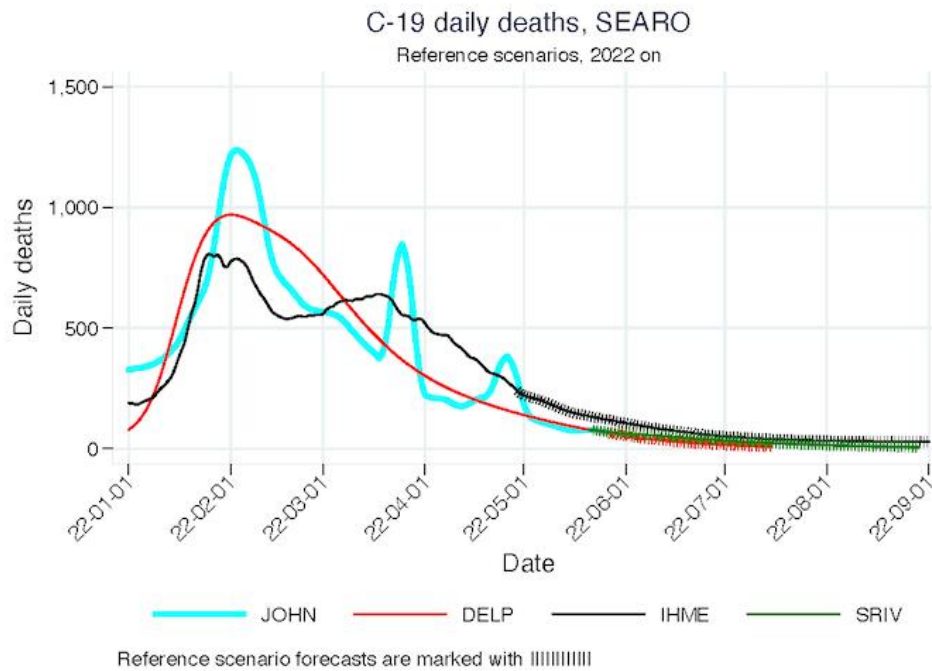
## Selected graphs – South-East Asian region (SEARO)

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

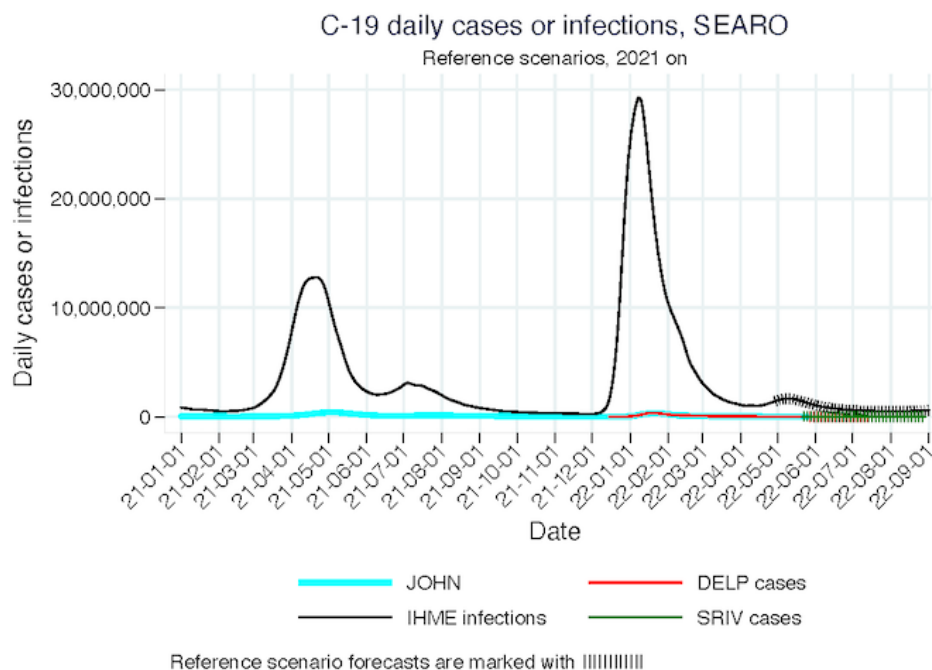


(3) South-East Asian region [Daily deaths, 3 scenarios, 2021 on](#)

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

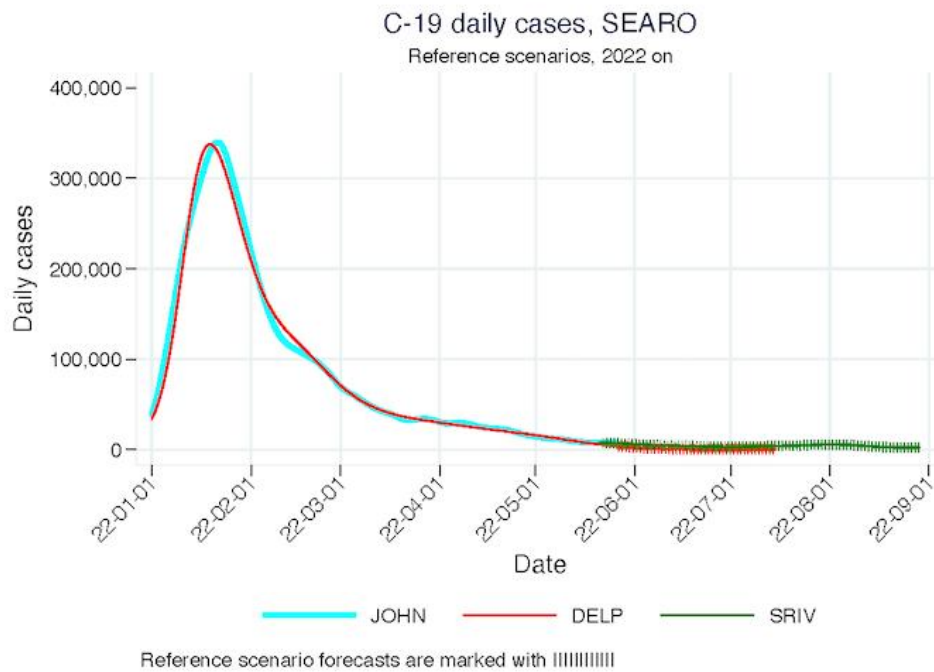


(4) South-East Asian region [Daily cases or infections, reference scenarios, 2020 on](#)



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

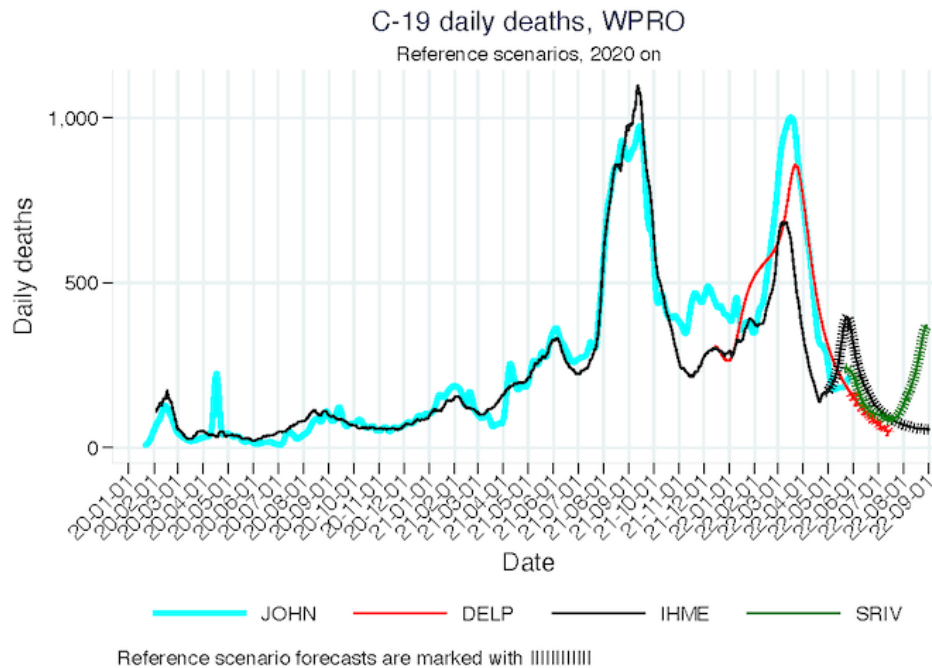
(6b) South-East Asian region [Daily cases or infections, reference scenarios, 2022 on](#)



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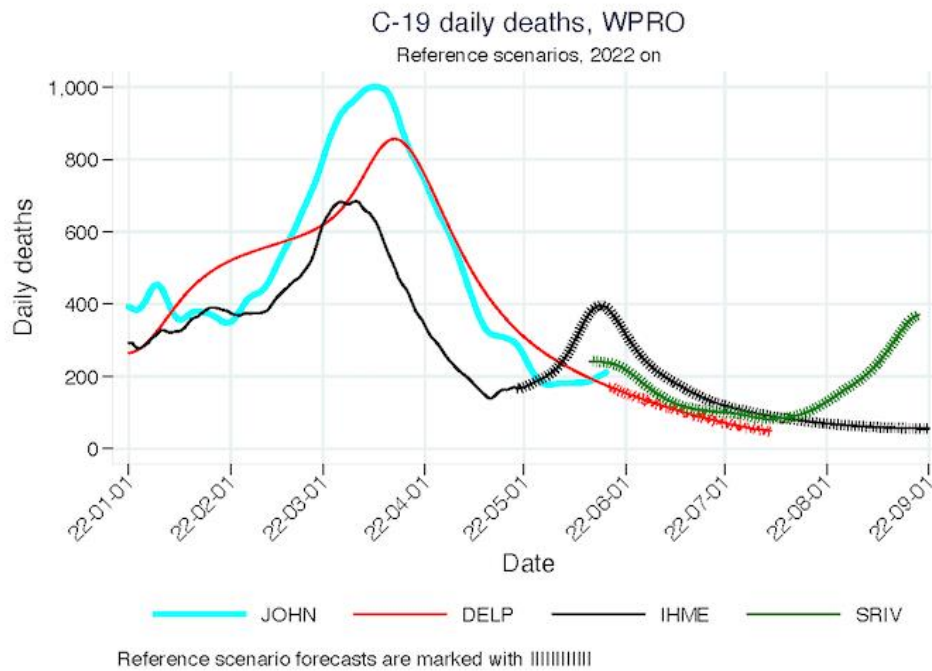
## Selected graphs – Western Pacific region (WPRO)

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

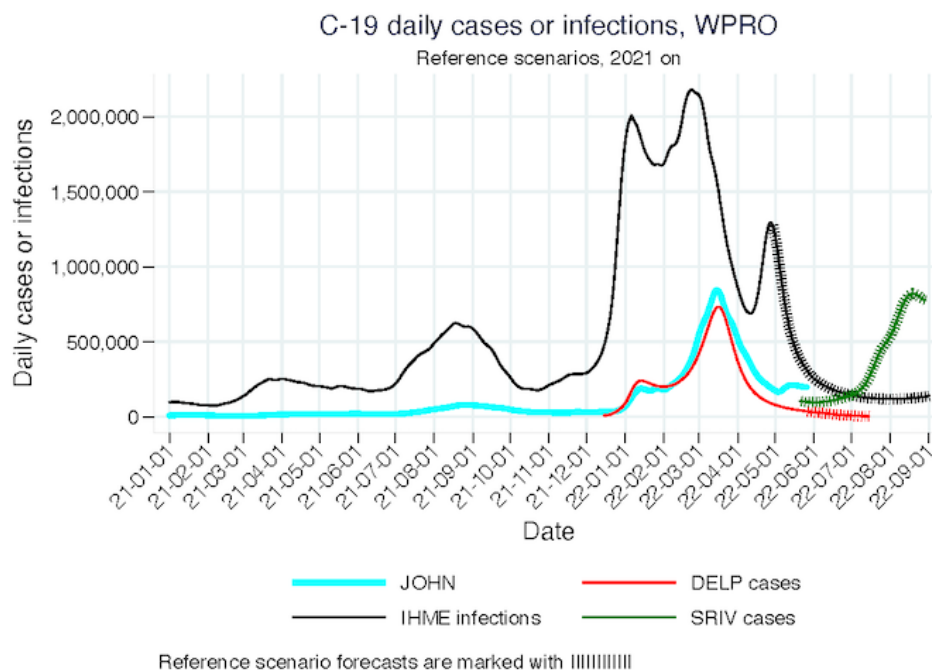


(3) Western Pacific region [Daily deaths, 3 scenarios, 2021 on](#)

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



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



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

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

