Global and regional COVID-19 epidemic models situation report No 49 – 2022-06-17

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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:

Publisher || PubMed || PDF

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

Study update dates in uptake 20220617

DELP 20220529, IHME 20220610, *IMPE 20220530*, *SRIV 20220617*

Days old: DELP 20, IHME 7, IMPE 19, SRIV 0

IMPE update 20220530 was released on 20220617.

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?
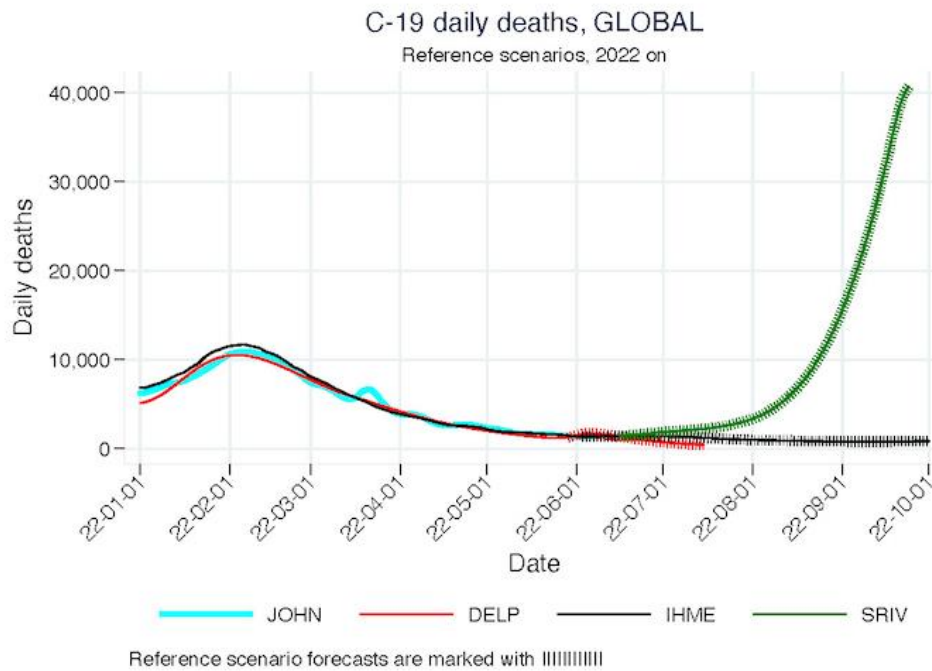

Table of Graphs

Selected graphs - Global

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

C-19 daily deaths, GLOBAL
Reference scenarios, 2020 on

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

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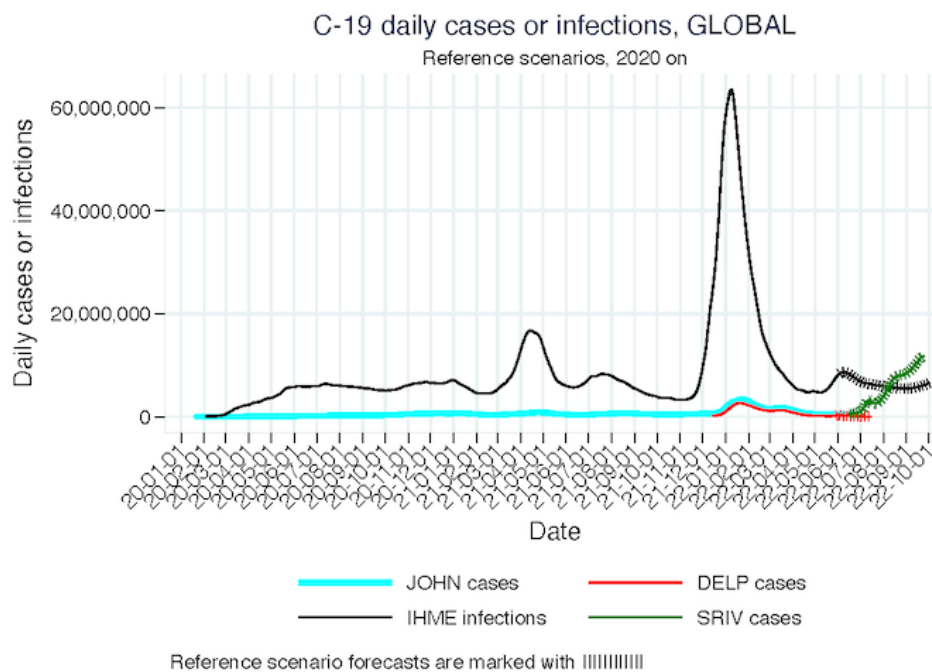
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(3) Global [Daily deaths, 3 scenarios, 2021 on](#)

(3b) Global [Daily deaths, 3 scenarios, 2021 on, IHME](#)
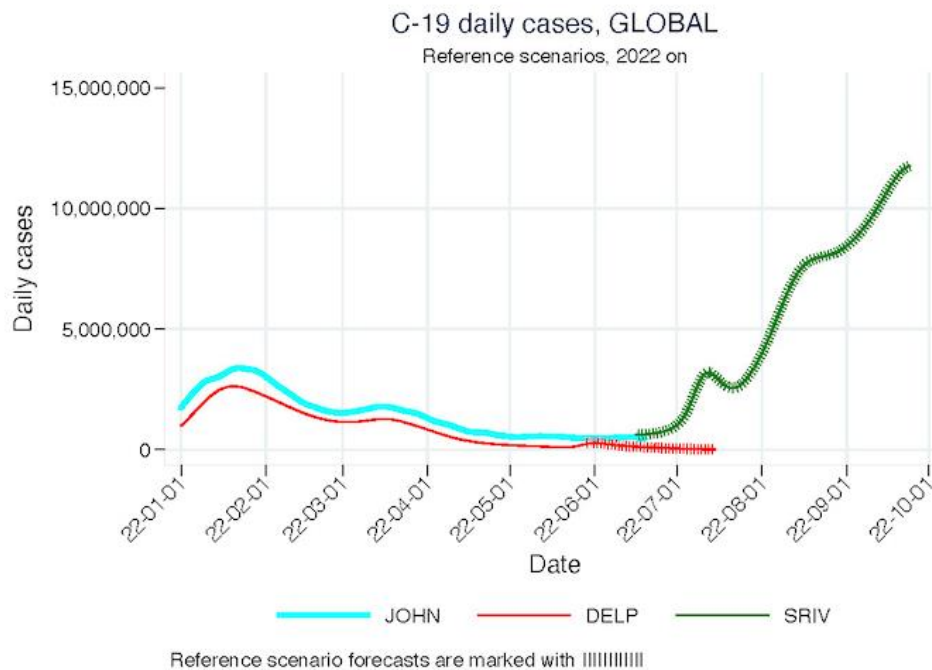
(3d) Global Daily deaths, reference scenarios, 2022 on

C-19 daily deaths, GLOBAL
Reference scenarios, 2022 on

Reference scenario forecasts are marked with |||||||||||

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

C-19 daily cases or infections, GLOBAL
Reference scenarios, 2020 on

Reference scenario forecasts are marked with |||||||||||

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

(6b) Global Daily cases, 2022 on

C-19 daily cases, GLOBAL
Reference scenarios, 2022 on

Reference scenario forecasts are marked with |||||||||||

(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](#)

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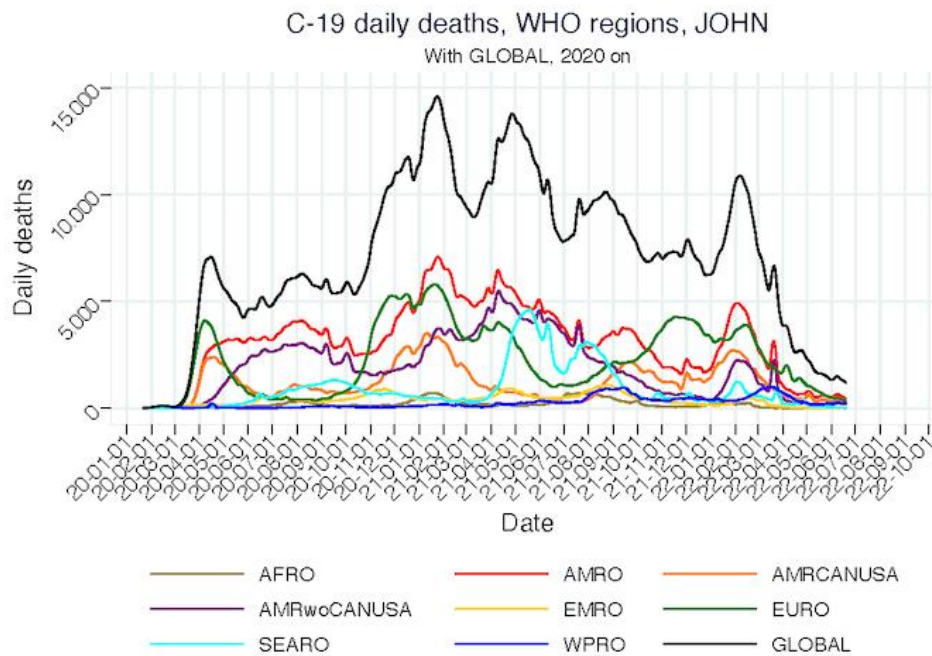

(11b) Global [Daily Infection -detection and -hospitalizations ratios, 2 scenarios, 2020 on, IHME](#)

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

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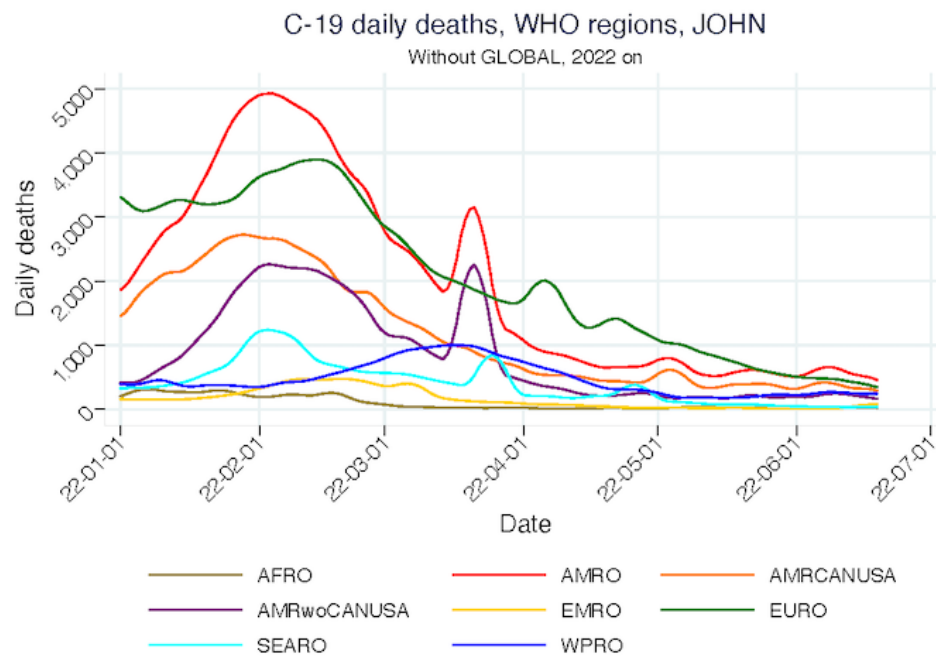

Selected graphs - Regions together

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

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

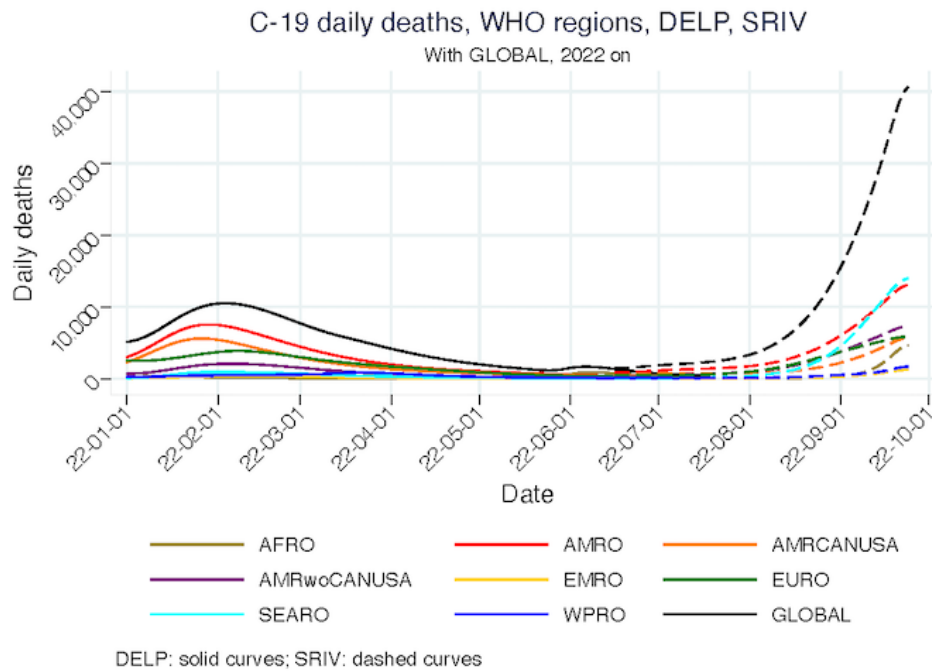(0c) Regions together Daily deaths, with GLOBAL, 2022 on, JOHN

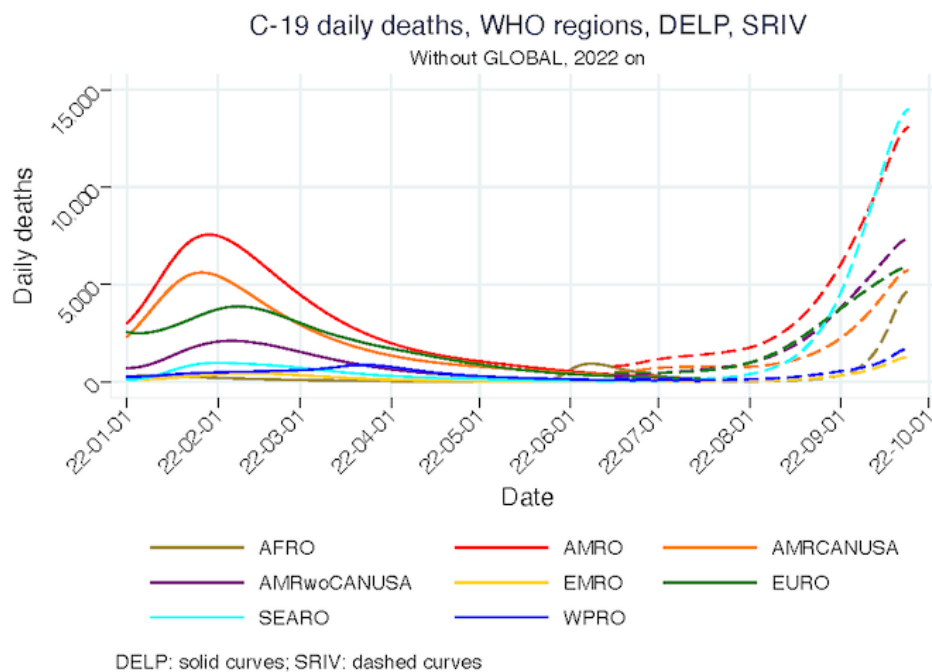**(0d) Regions together** <u>Daily deaths, without GLOBAL, 2022 on, JOHN</u>

C-19 daily deaths, WHO regions, JOHN
Without GLOBAL, 2022 on

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(1) Regions together <u>Daily deaths, with GLOBAL, 2020 on, IHME</u>

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(2) Regions together <u>Daily deaths, without GLOBAL, 2020 on, IHME</u>

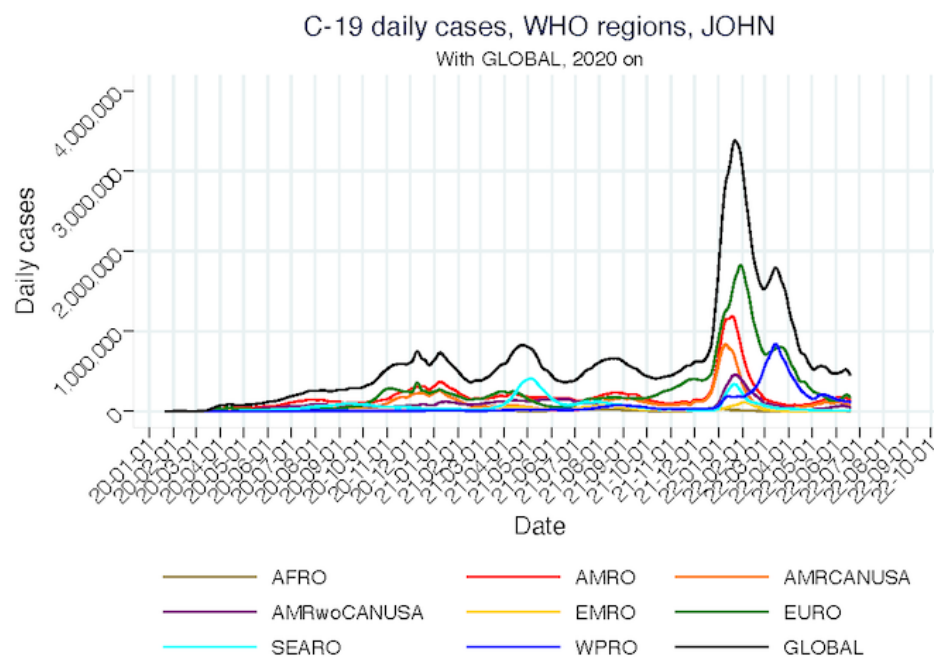**(3) Regions together** Daily deaths, with GLOBAL, 2022 on, DELP, SRIV

C-19 daily deaths, WHO regions, DELP, SRIV
With GLOBAL, 2022 on

DELP: solid curves; SRIV: dashed curves

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

C-19 daily deaths, WHO regions, DELP, SRIV
Without GLOBAL, 2022 on

DELP: solid curves; SRIV: dashed curves

(5) Regions together Daily excess deaths, with GLOBAL, 2020 on, IHME
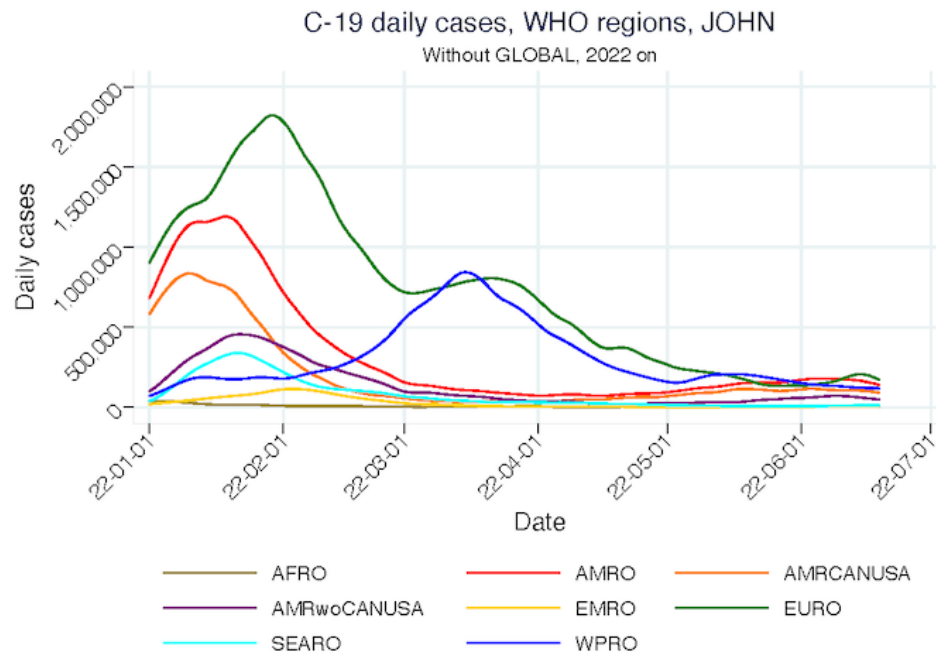
(6) Regions together Daily excess deaths, without GLOBAL, 2020 on, IHME

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

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

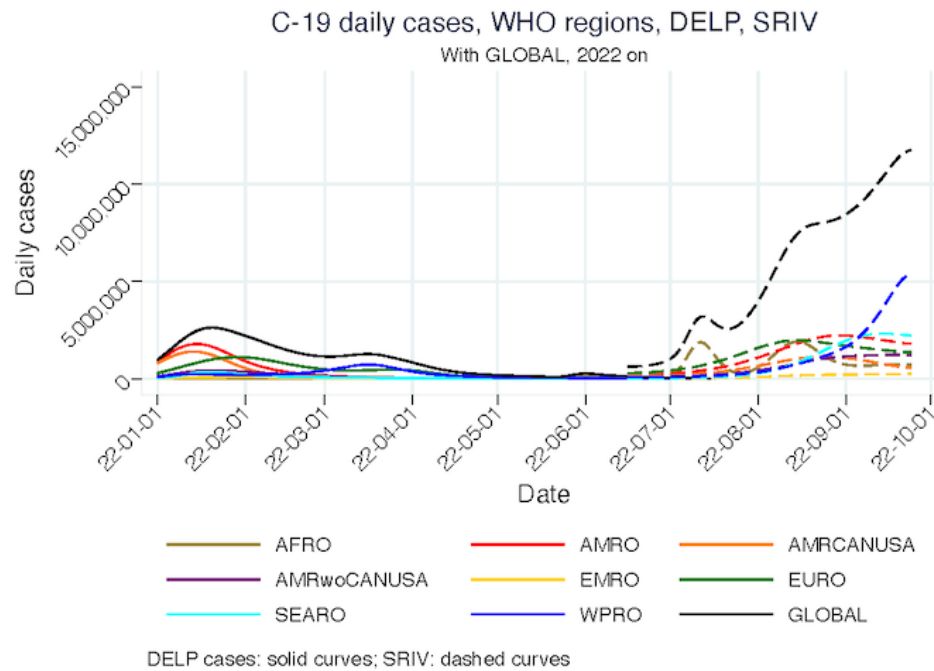(00c) Regions together Daily cases, without GLOBAL, 2022 on, JOHN

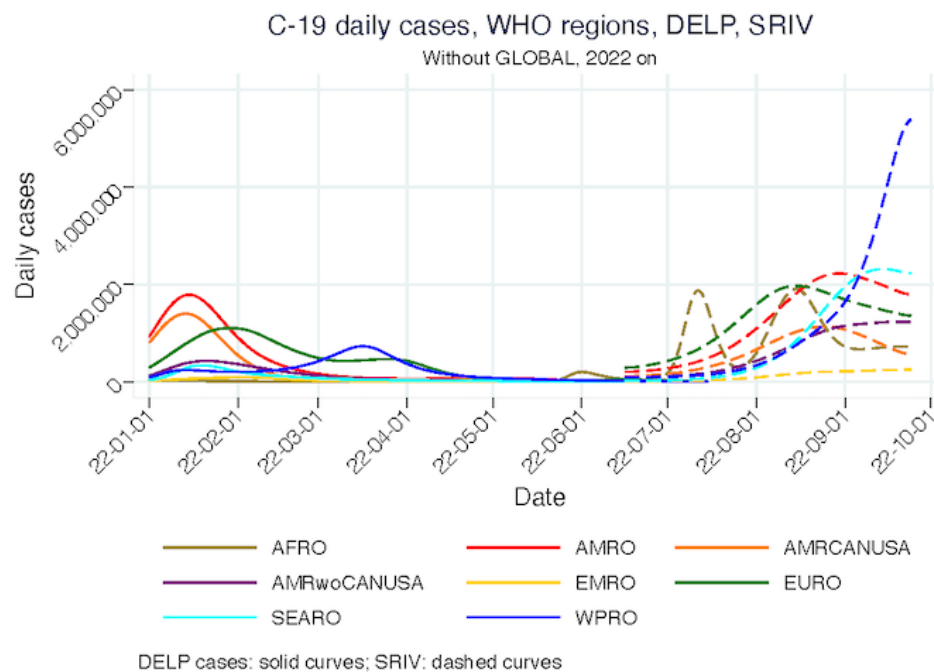C-19 daily cases, WHO regions, JOHN
Without GLOBAL, 2022 on

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

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

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

C-19 daily cases, WHO regions, DELP, SRIV
With GLOBAL, 2022 on

DELP cases: solid curves; SRIV: dashed curves

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

C-19 daily cases, WHO regions, DELP, SRIV
Without GLOBAL, 2022 on

DELP cases: solid curves; SRIV: dashed curves

(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

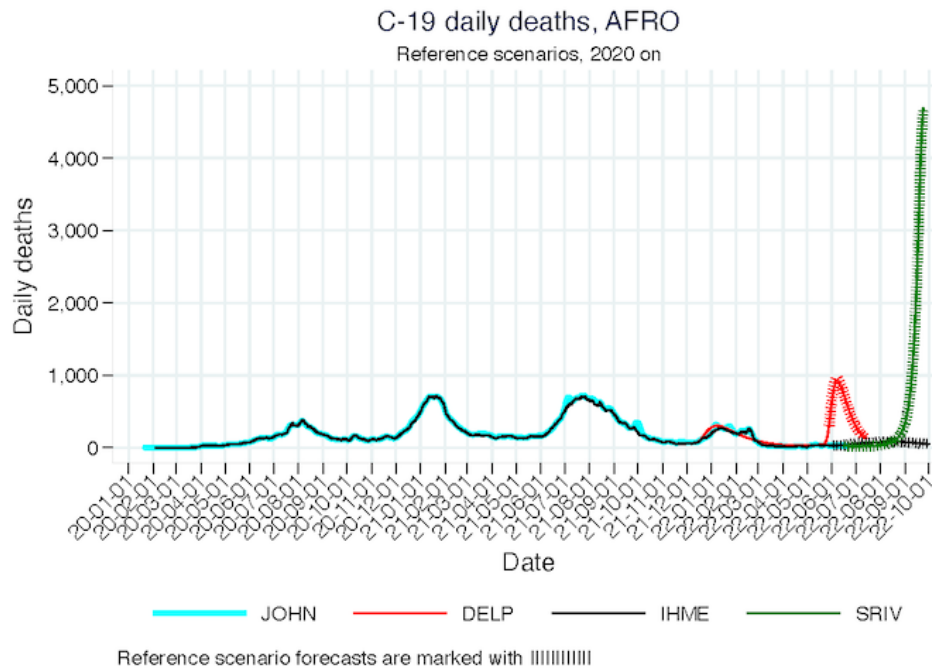(17) Regions together Total infections, with GLOBAL, 2020 on, IHME

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

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

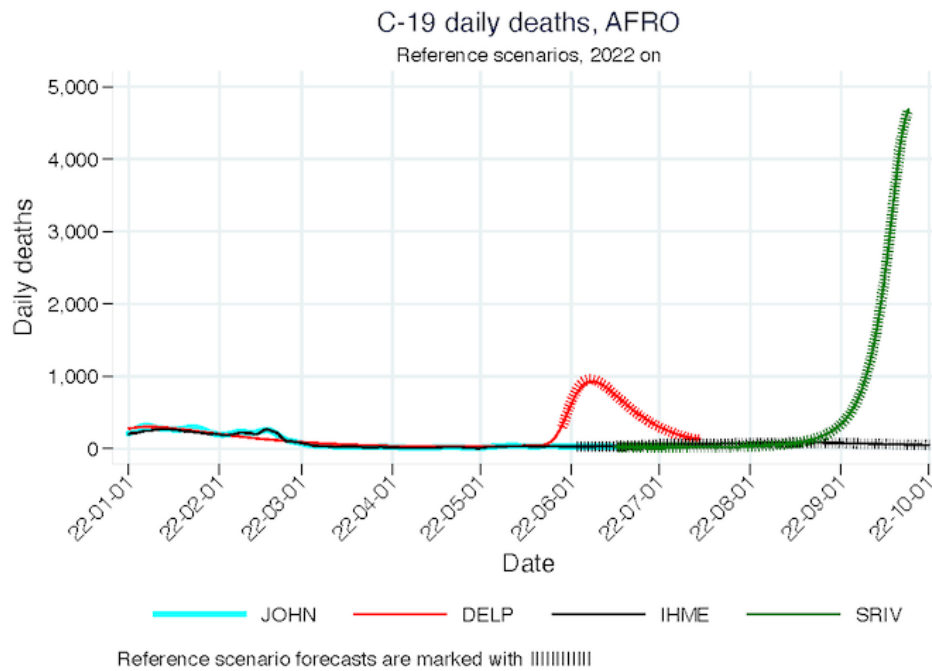(20) Regions together Total cases, without GLOBAL, 2022 on, DELP, SRIV

Selected graphs - African region (AFRO)

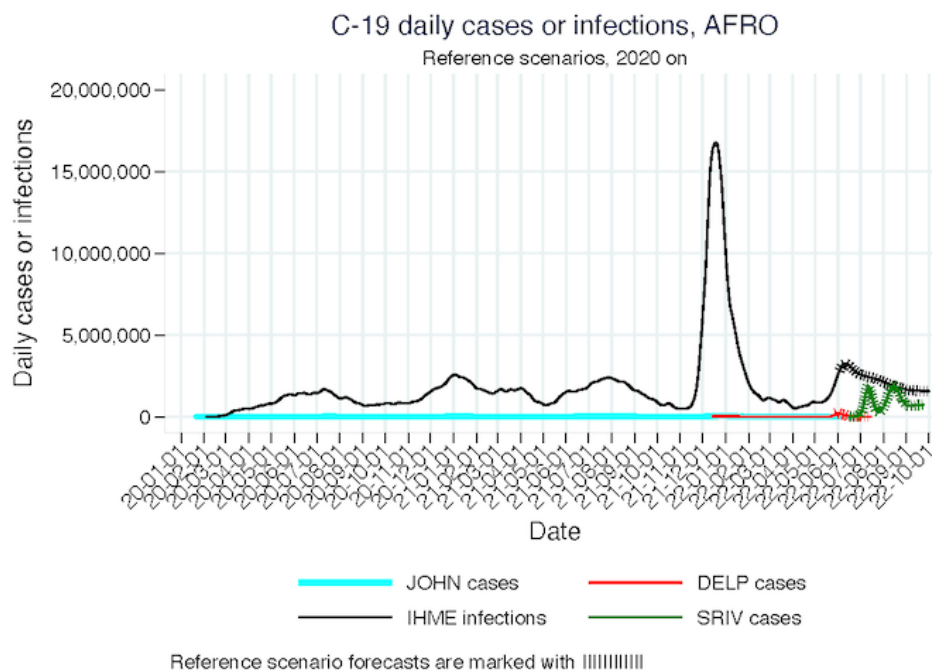(1) African region Daily deaths, reference scenarios, 2020 on

(3) African region Daily deaths, 3 scenarios, 2021 on

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

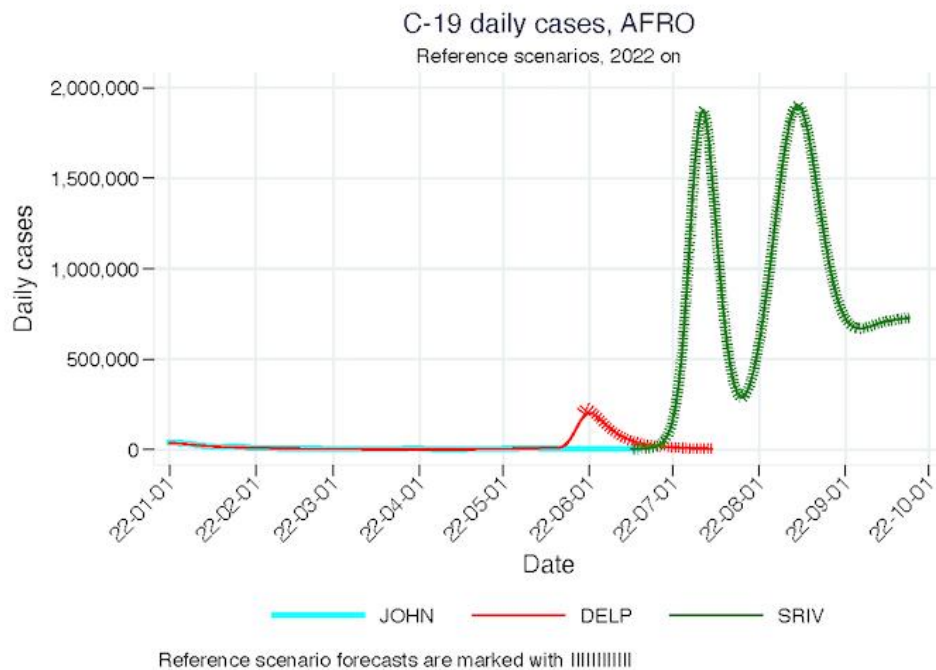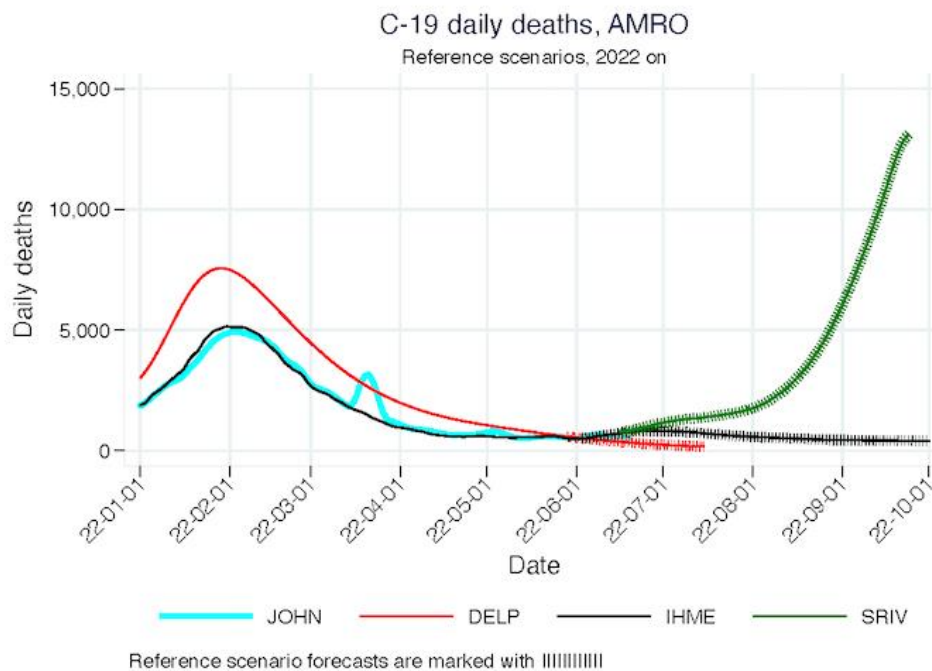**(4)** African region Daily cases or infections, reference scenarios, 2020 on

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

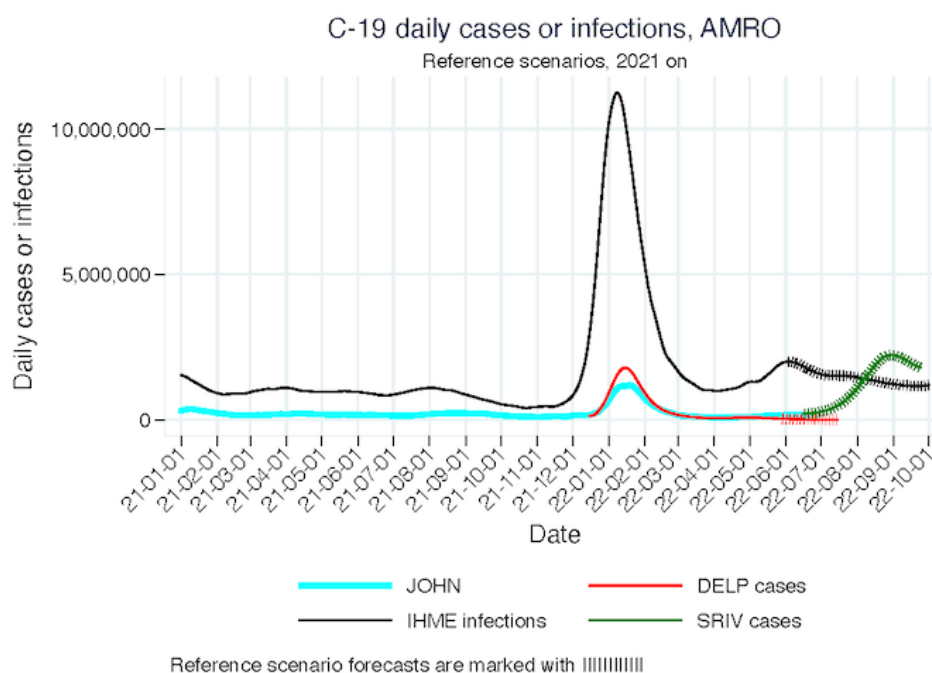(6b) African region Daily cases or infections, reference scenarios, 2022 on

C-19 daily cases, AFRO
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

C-19 daily deaths, AMRO
Reference scenarios, 2022 on

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

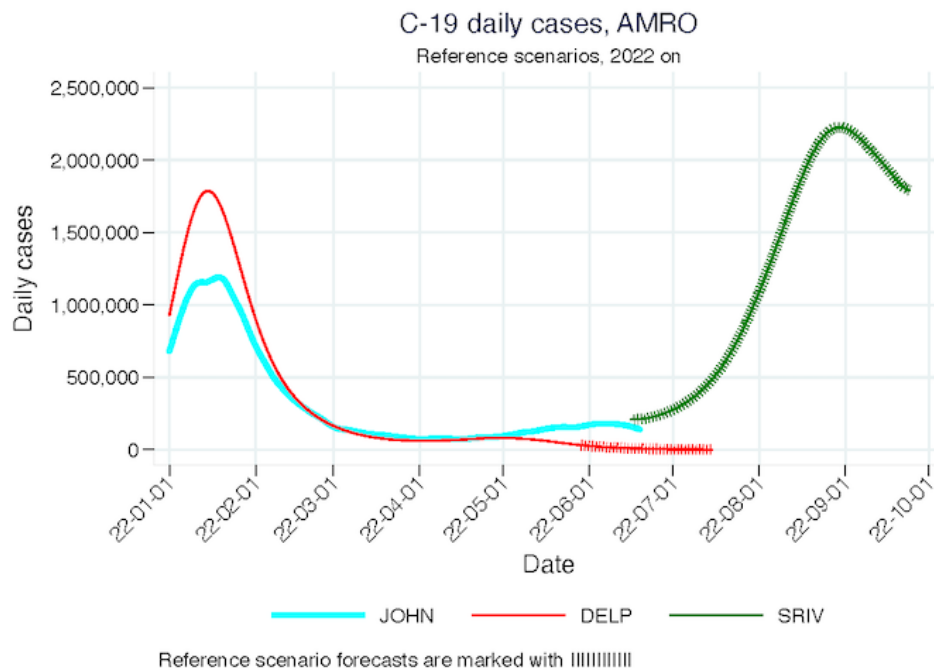C-19 daily cases or infections, AMRO
Reference scenarios, 2021 on

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

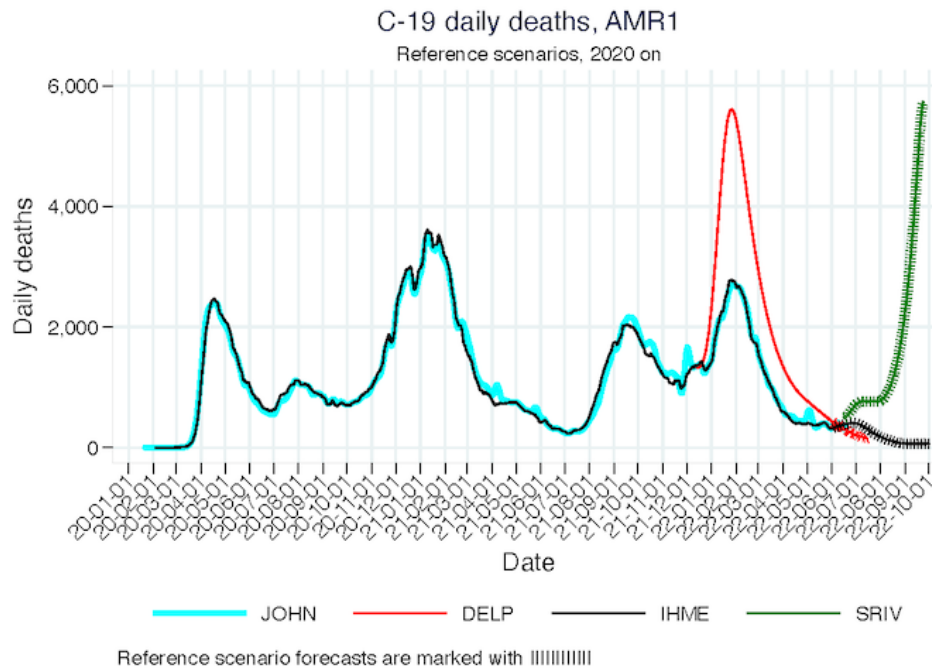(6b) Americas region Daily reference, 3 scenarios, 2022 on

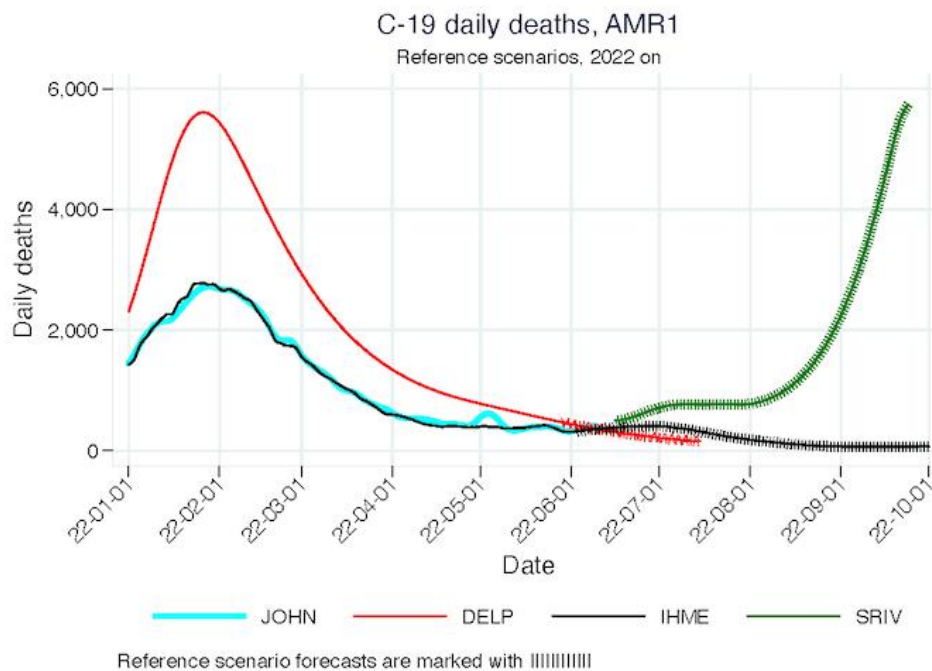C-19 daily cases, AMRO
Reference scenarios, 2022 on

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

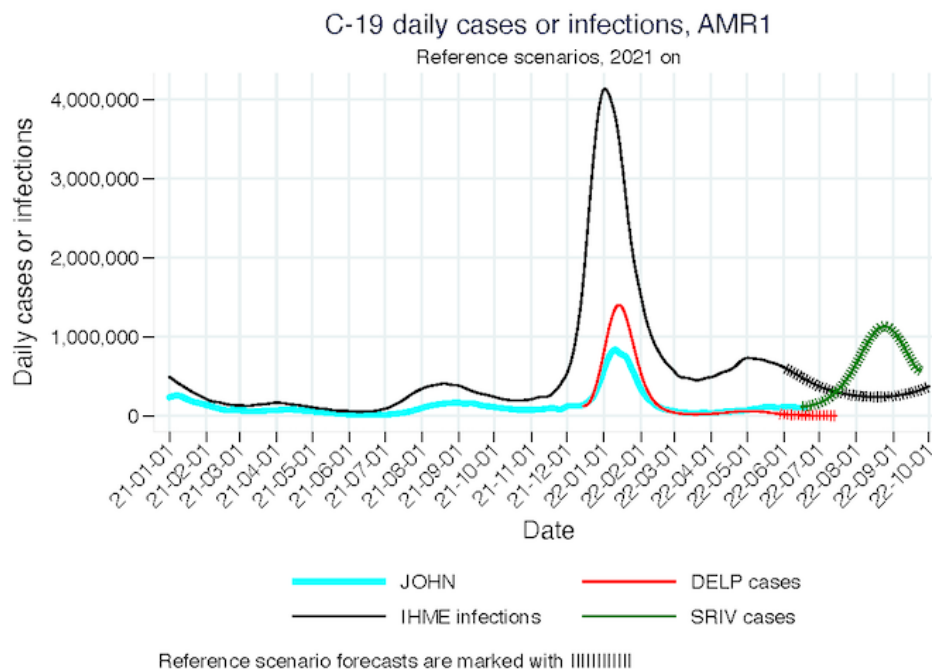(1) Americas region, Canada and United States Daily deaths, reference scenarios, 2020 on

C-19 daily deaths, AMR1
Reference scenarios, 2020 on

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

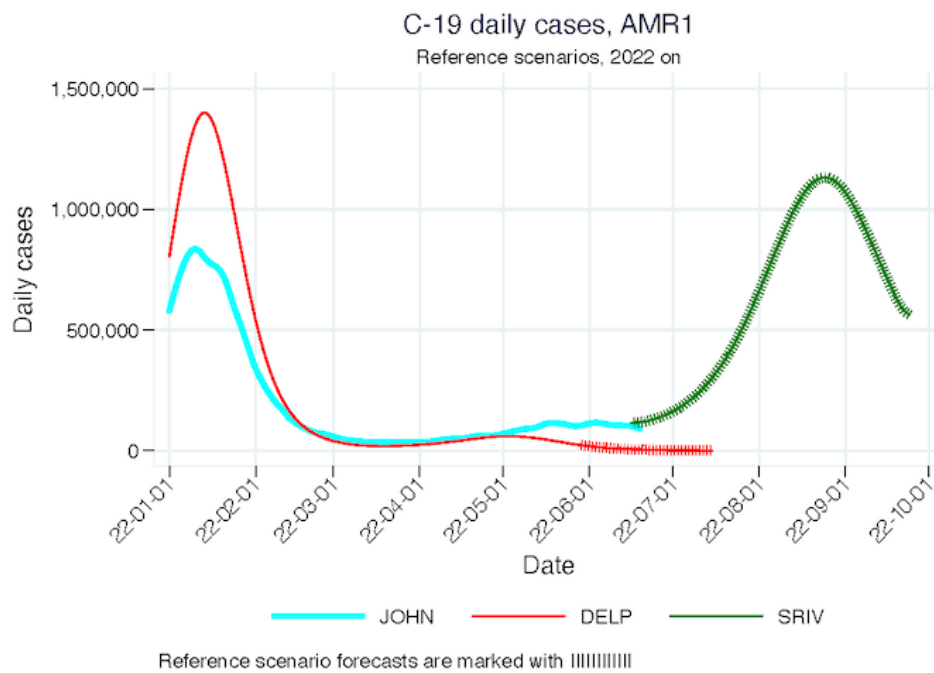**(3b)** Americas region, Canada and United States Daily deaths, reference scenarios, 2022 on

C-19 daily deaths, AMR1
Reference scenarios, 2022 on

Legend: JOHN — DELP — IHME — SRIV

Reference scenario forecasts are marked with IIIIIIIIIIII

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

C-19 daily cases or infections, AMR1
Reference scenarios, 2021 on

Legend: JOHN — DELP cases — IHME infections — SRIV cases

Reference scenario forecasts are marked with IIIIIIIIIIII

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

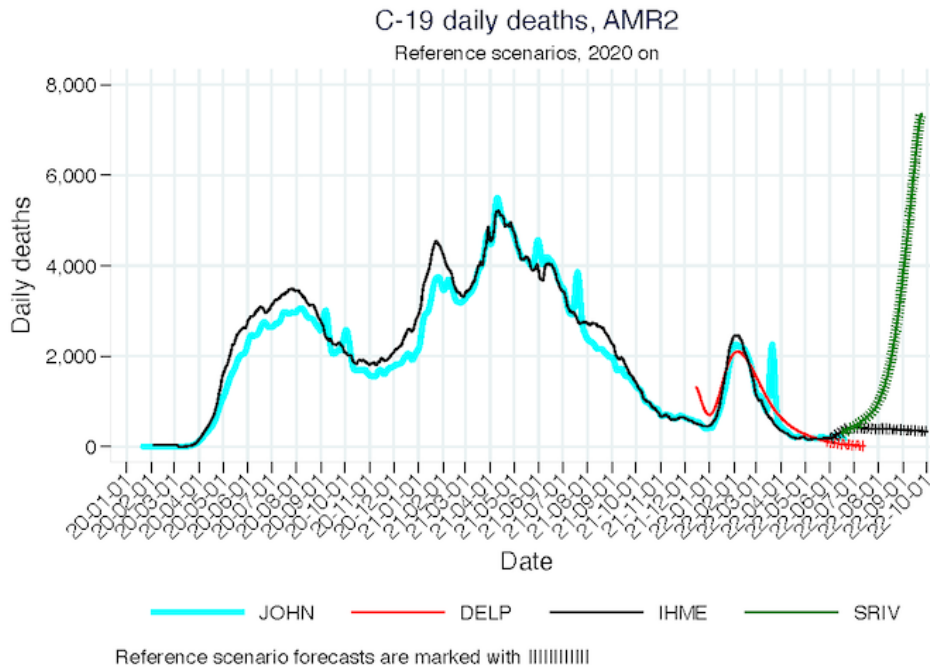(6b) Americas region, Canada and United States Daily cases or infections, reference scenarios, 2022 on

C-19 daily cases, AMR1
Reference scenarios, 2022 on

Reference scenario forecasts are marked with IIIIIIIIIIII
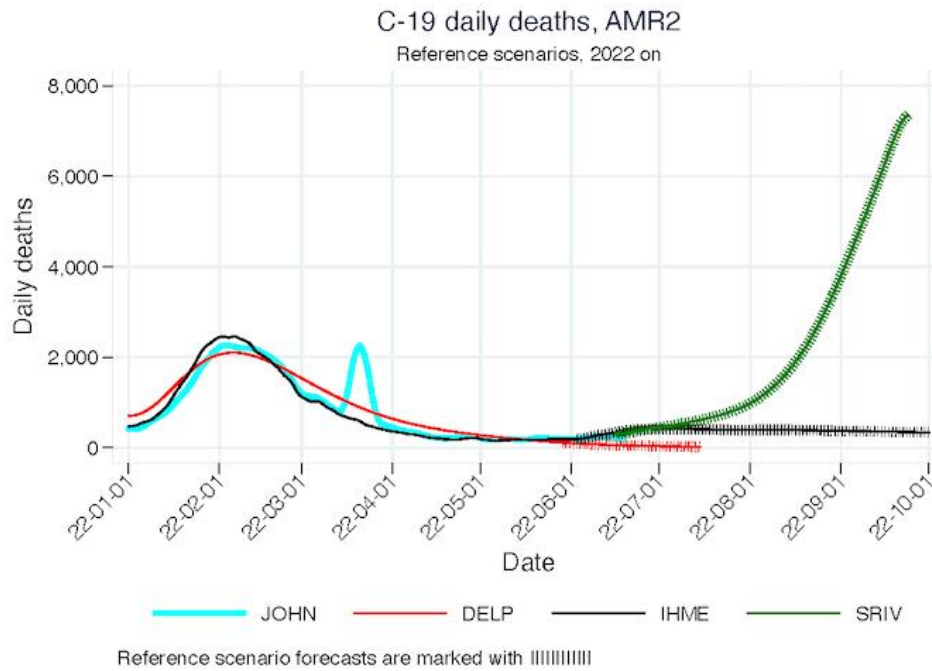
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Selected graphs – Americas region, without Canada and United States (AMR2)

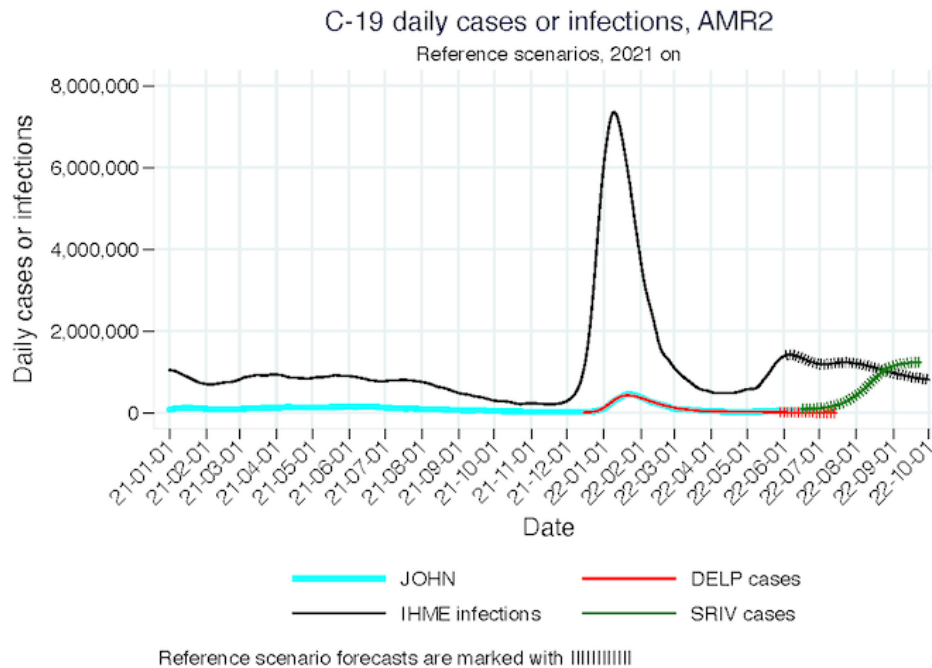(1) Americas region, without Canada and United States Daily deaths, reference scenarios, 2020 on

C-19 daily deaths, AMR2
Reference scenarios, 2020 on

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

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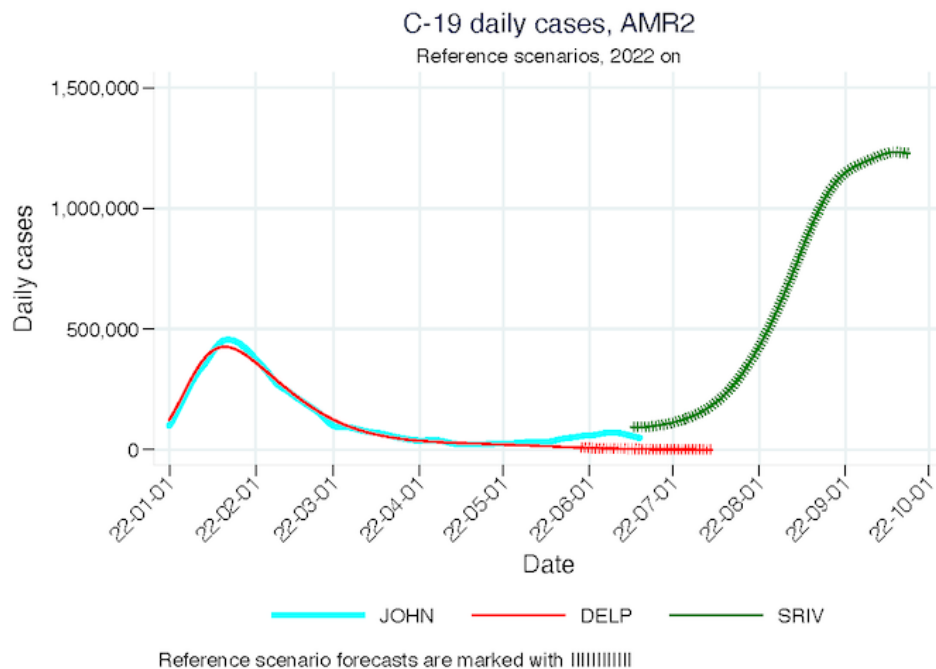(3b) Americas region, without Canada and United States Daily deaths, reference scenarios, 2022 on

C-19 daily deaths, AMR2
Reference scenarios, 2022 on

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

C-19 daily cases or infections, AMR2
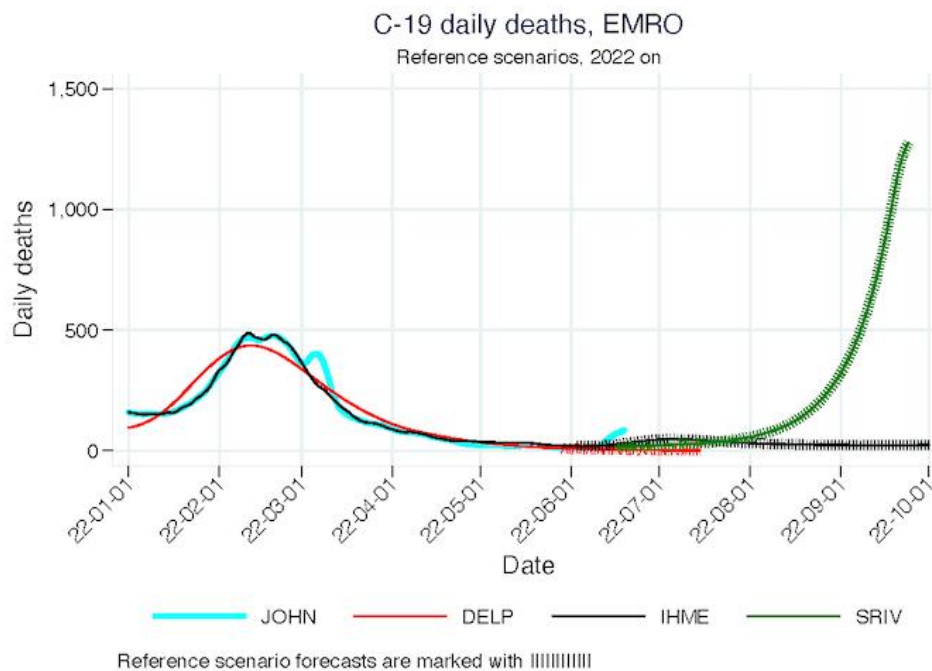Reference scenarios, 2021 on

(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](#)
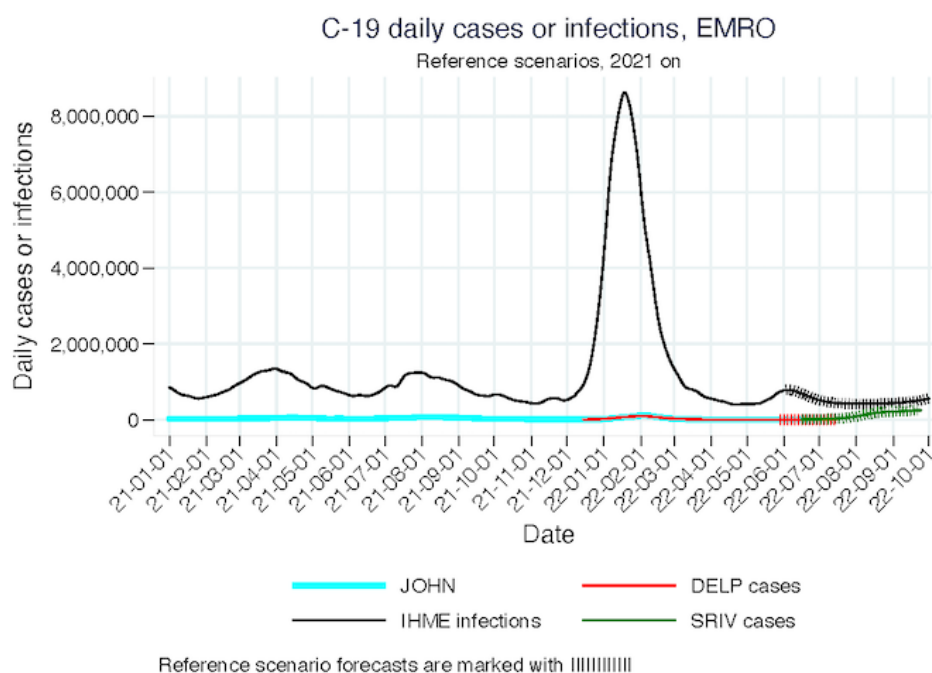

C-19 daily cases, AMR2
Reference scenarios, 2022 on

Reference scenario forecasts are marked with ||||||||||||

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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

C-19 daily deaths, EMRO
Reference scenarios, 2022 on

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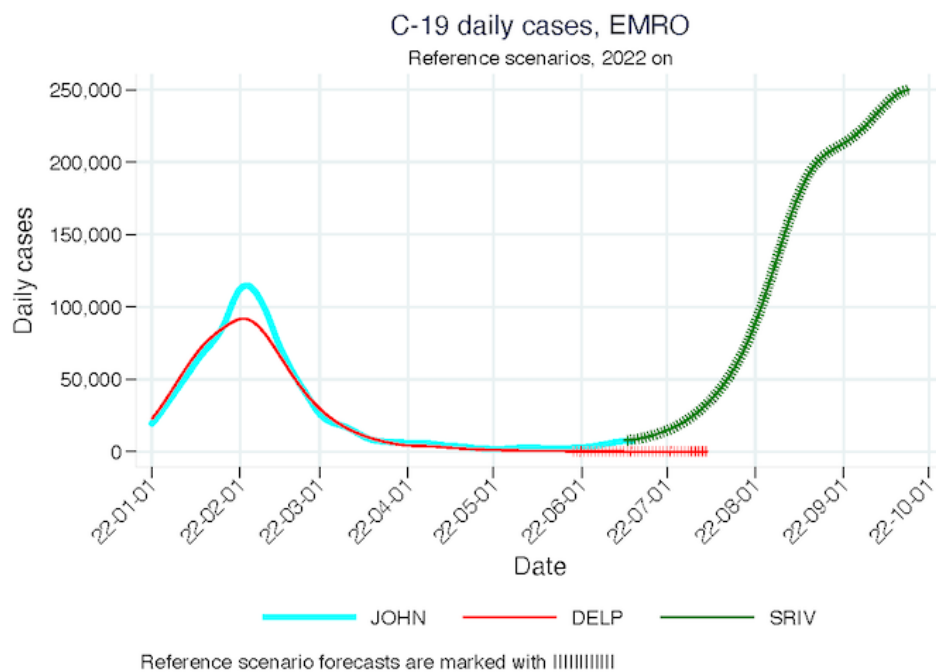

C-19 daily cases or infections, EMRO
Reference scenarios, 2021 on

(6) Eastern Mediterranean region Daily cases or infections, 3 scenarios, 2021 on
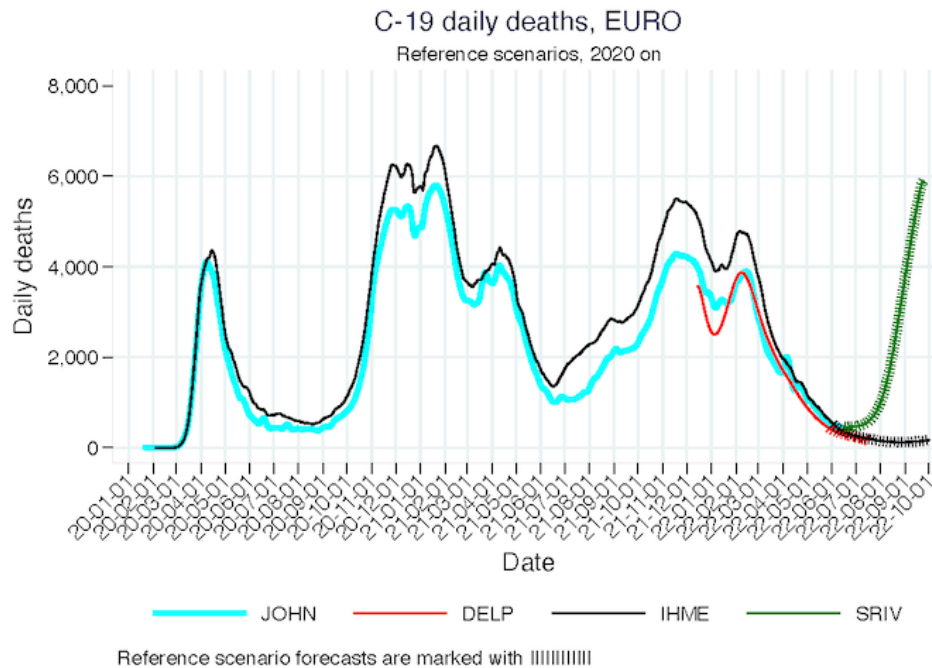
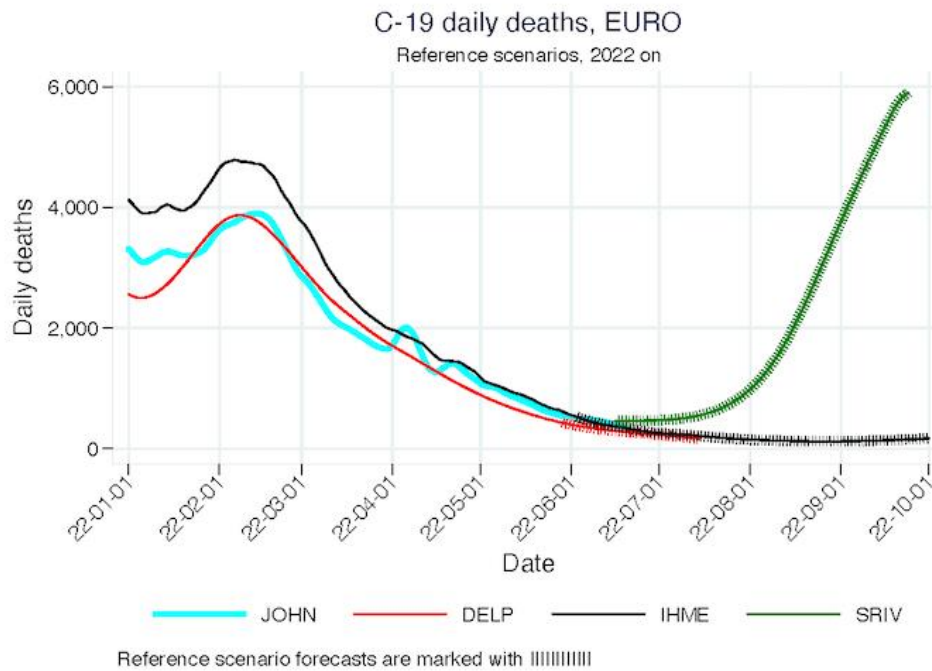(6b) Eastern Mediterranean region Daily cases or infections, reference scenarios, 2022 on

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Selected graphs – European region (EURO)

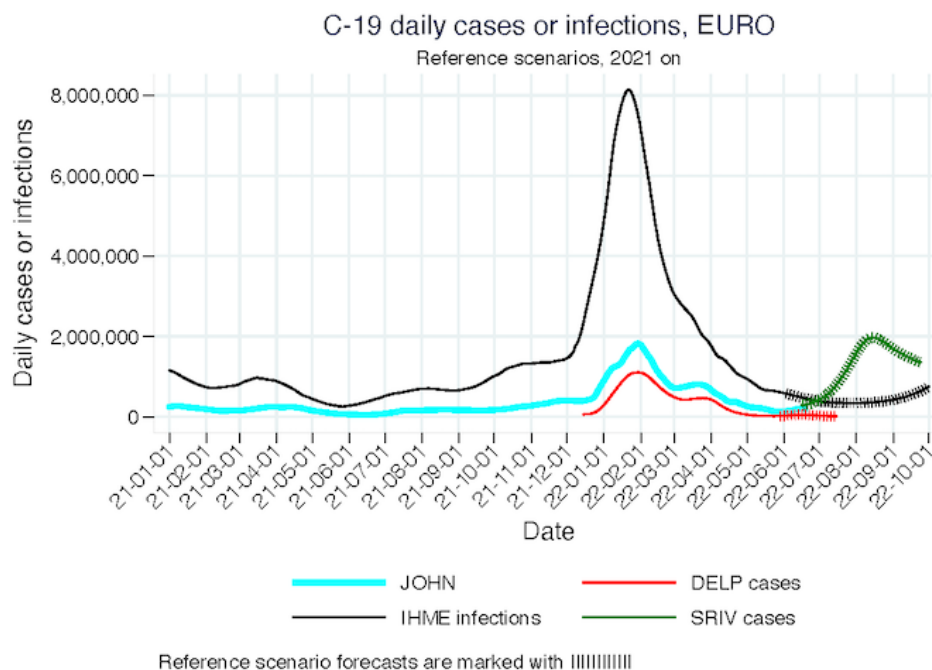(1) European region Daily deaths, reference scenarios, 2020 on

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(3) European region Daily deaths, 3 scenarios, 2021 on

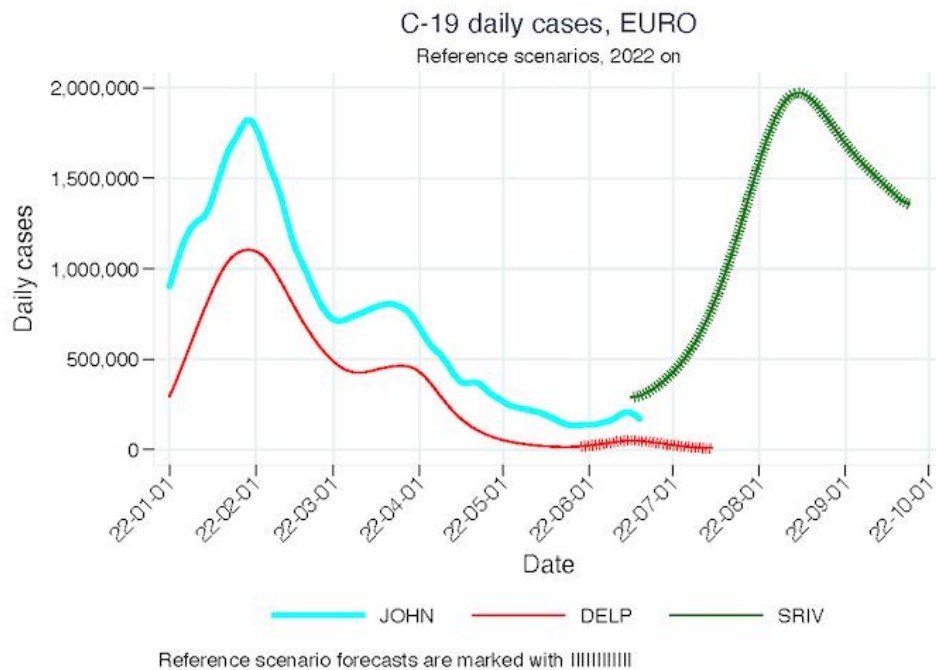**(3b) European region** Daily deaths, reference scenarios, 2022 on

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

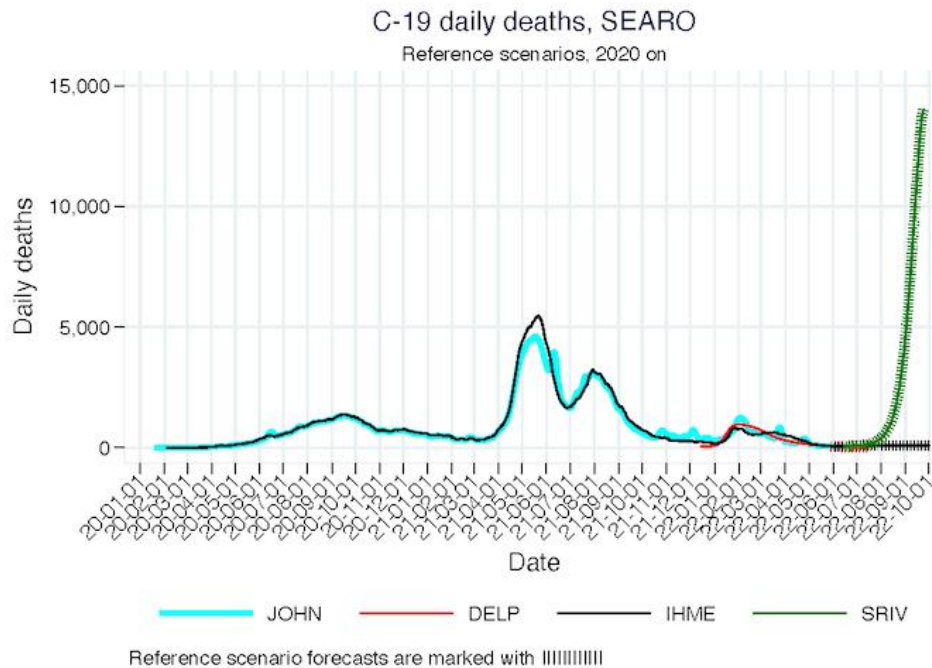(6) European region [Daily cases or infections, 3 scenarios, 2021 on](#)

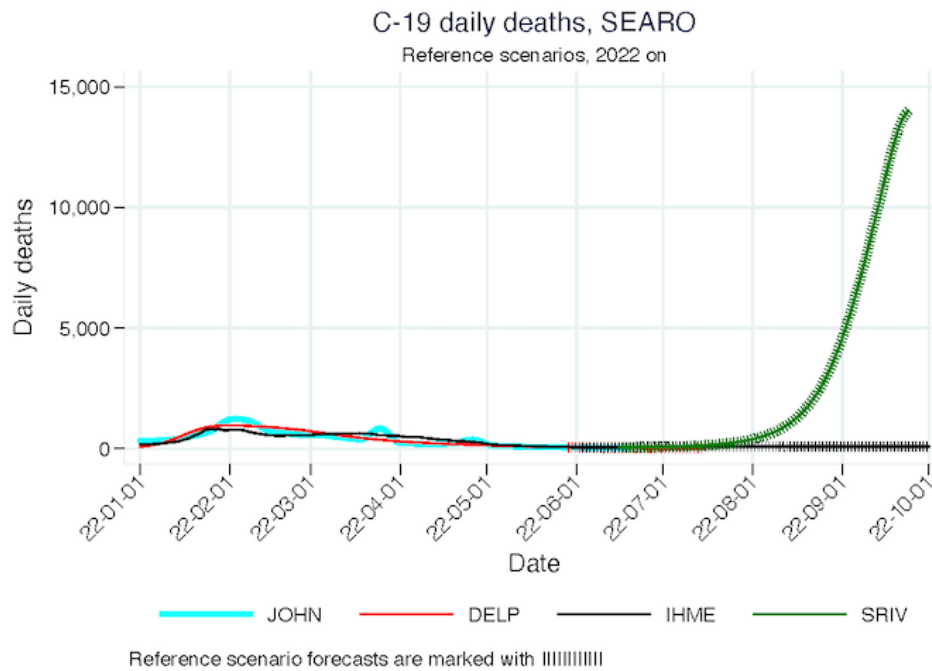(6b) European region [Daily cases or infections, reference scenarios, 2022 on](#)

C-19 daily cases, EURO
Reference scenarios, 2022 on

Reference scenario forecasts are marked with IIIIIIIIIII

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Selected graphs – South-East Asian region (SEARO)

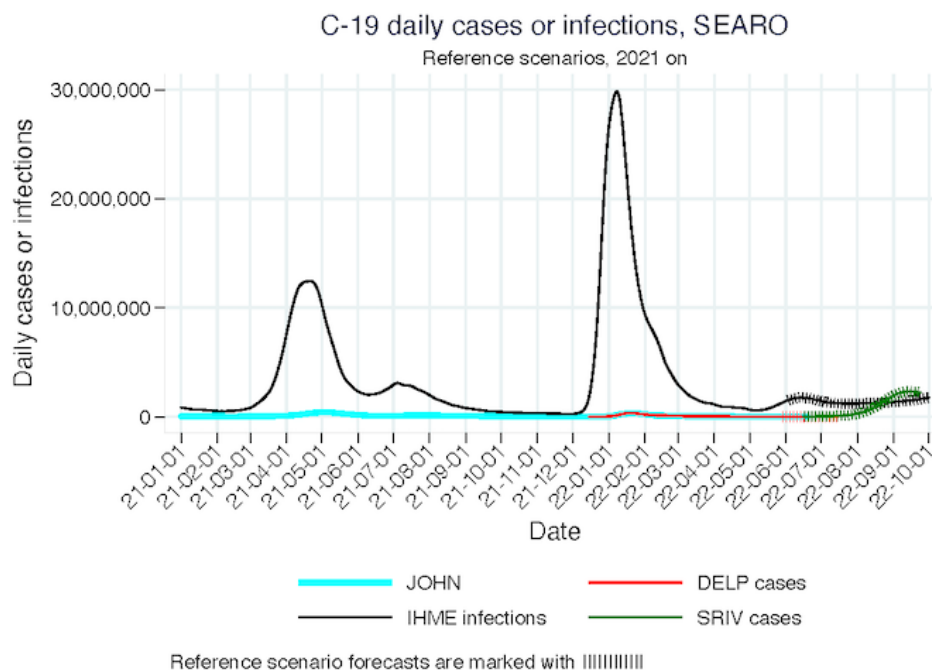(1) South-East Asian region Daily deaths, reference scenarios, 2020 on

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

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

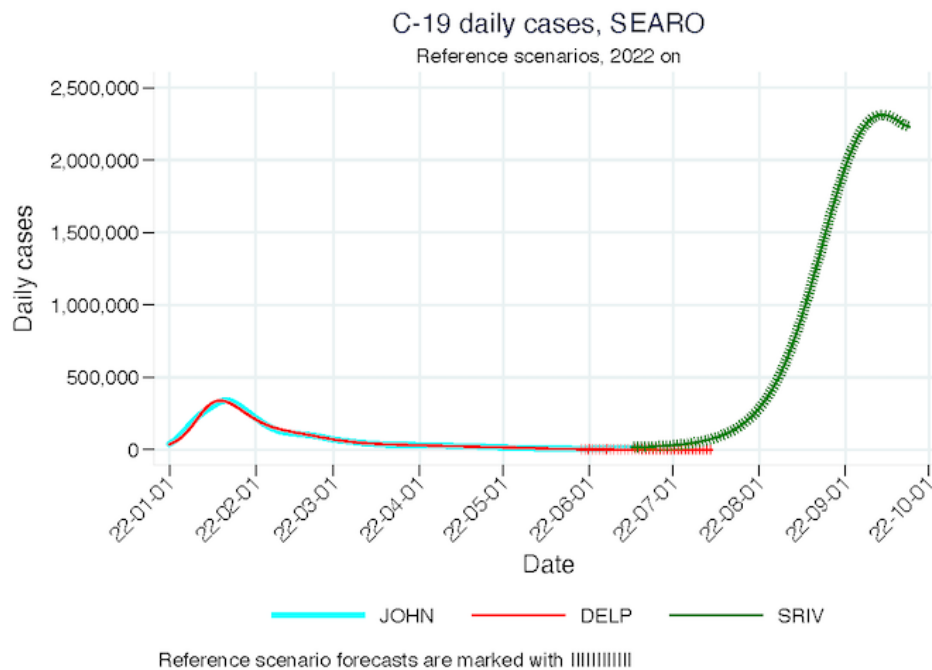C-19 daily deaths, SEARO
Reference scenarios, 2022 on

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

C-19 daily cases or infections, SEARO
Reference scenarios, 2021 on

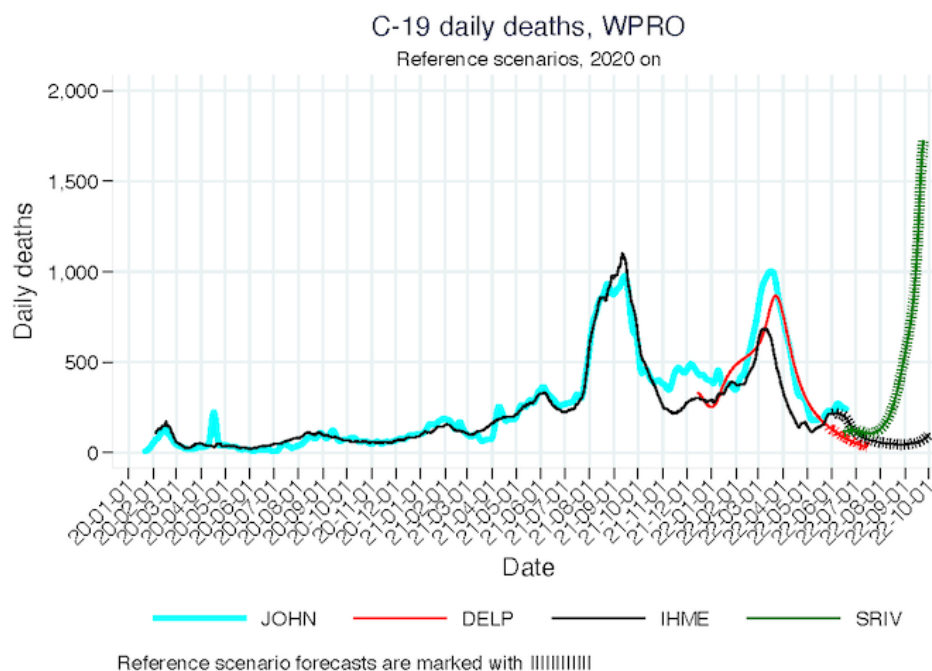(6) South-East Asian region Daily cases or infections, 3 scenarios, 2021 on

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

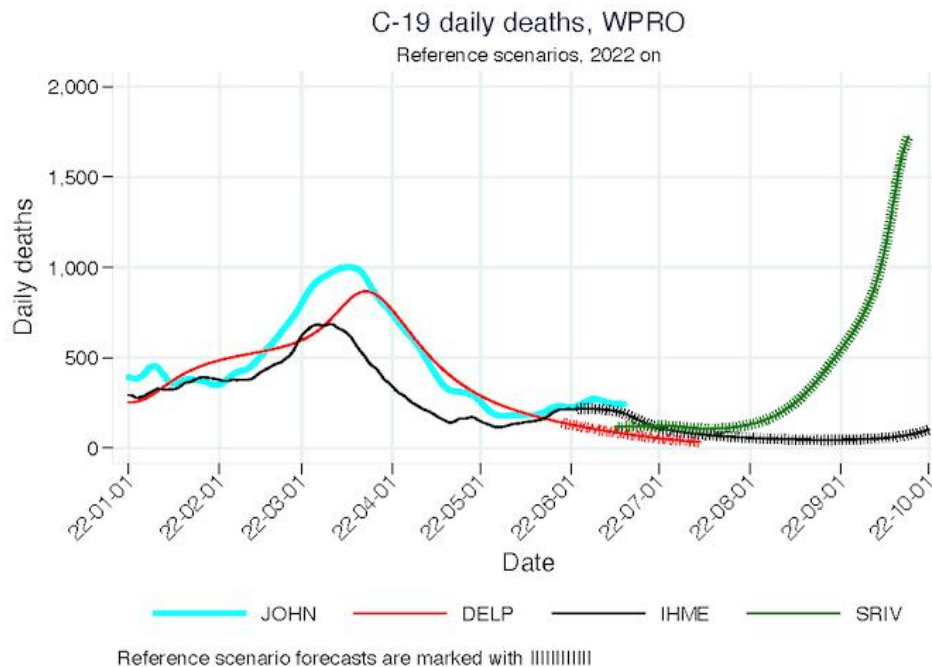C-19 daily cases, SEARO
Reference scenarios, 2022 on

Reference scenario forecasts are marked with ||||||||||||

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Selected graphs – Western Pacific region (WPRO)

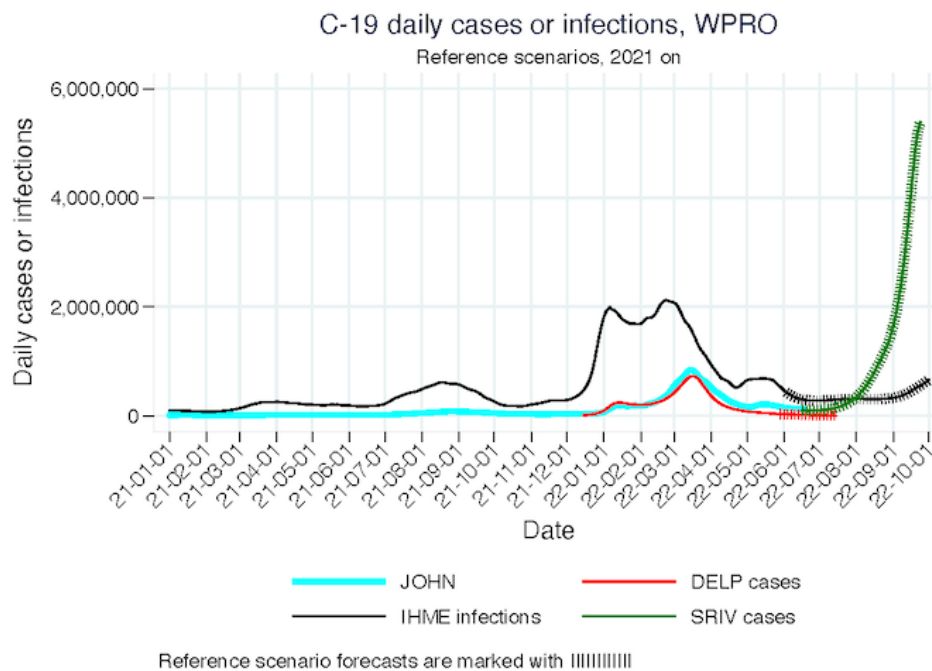(1) Western Pacific region Daily deaths, reference scenarios, 2020 on

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

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

C-19 daily deaths, WPRO
Reference scenarios, 2022 on

Reference scenario forecasts are marked with IIIIIIIIIIIII

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

C-19 daily cases or infections, WPRO
Reference scenarios, 2021 on

Reference scenario forecasts are marked with IIIIIIIIIIIII

(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

C-19 daily cases, WPRO
Reference scenarios, 2022 on

Reference scenario forecasts are marked with IIIIIIIIIII