Iran COVID-19 epidemic models situation report No 69 – 2022-08-12

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Combine and visualize international periodically updated estimates of COVID-19 pandemic at the country level, countries without subnational level estimates Iran

See https://github.com/pourmalek/covir2

Study update dates in uptake 20220812

DELP 20220721, IHME 20220719, ***IMPE 20220808***, SRIV 20220728

Days old: DELP 23, IHME 25, IMPE 5, SRIV 16

As the IHME and IMPE models' estimates are released monthly and the DELP and SRIV models' estimates are released almost biweekly, the uptakes of the current repository are changed from weekly to biweekly.

The strengths and weaknesses of the international and periodically updated COVID-19 pandemic models are discussed here.

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

Generalities about COVID-19 and global warming:

These are for documentation in history and future generations, those who and if have remained. Someday some intelligent people will read.

I informed the Ministry of Health of Iran about these reports of COVID-19 epidemic models for Iran. They listened and went on their deficient way.

Not to forget:

(1) China reacted with the lowest speed, releasing the virus to the world. WHO reacted reluctantly. The world nagged and then let it go.

(2) The course of events showed that the function of the Ministers of Health and Public Health Officers (and their equivalent positions, e.g., Health Deputy Ministers) indicated that their decisions are primarily driven by POLITICS rather than PUBLIC HEALTH. This is particularly true about Iran and Canada. Iran deliberately chose free propagation of the virus for a delusional objective of herd immunity.

(3) Epidemic models for COVD-19 are generally weak (i.e., of low predictive validity), and the emergence of newer variants practically makes them flail until the new wave has started to rise. I have looked at this, and the manuscript will be ready in future, with codes and details to be placed here: https://github.com/pourmalek/CovidLongitudinal

(4) The available vaccines do not substantially reduce the spread of the virus. This puts evolutionary pressure on the virus for the emergence of newer immune-evasive variants that are more spreadable and / or fatal. The problem will remain without vaccines that stop transmission and without effective suppression of airborne propagation. These are necessary components of the solution but not a sufficient collection of components.

(6) Governments have chosen to set the current and ongoing (low or high) levels of morbidity and mortality of the people to preserve the economy and stability. People have regressed into personal and family survival mode. Numerable individuals speak, and no one listens. Environmental degradation (consequences of which includes the infamous global warming, the old "greenhouse effect") is an existential threat for Homo sapiens, and the causes and solutions have been explained since the 1980s.

Carl Sagan testifying before Congress in 1985 on climate change
|| https://www.youtube.com/watch?v=Wp-WiNXH6hI

Names of models/studies in Farsi:

(DELP) مطالعه دلفی، انستیتوی فناوری ماساچوست کمبریج (منحنی قرمز رنگ)
(IHME) مطالعه موسسه آی اچ ام ای، دانشگاه واشنگتن سیاتل (منحنی سیاه رنگ)
(IMPE) مطالعه ایمپریال کالج لندن (منحنی صورتی رنگ)
(SRIV) مطالعه اسریواستاوا در دانشگاه کالیفرنیای جنوبی (منحنی سبز رنگ)
(JOHN) دانشگاه جانز هاپکینز، انعکاس گزارش های رسمی کشور ها به سازمان جهانی بهداشت (منحنی آبی رنگ)

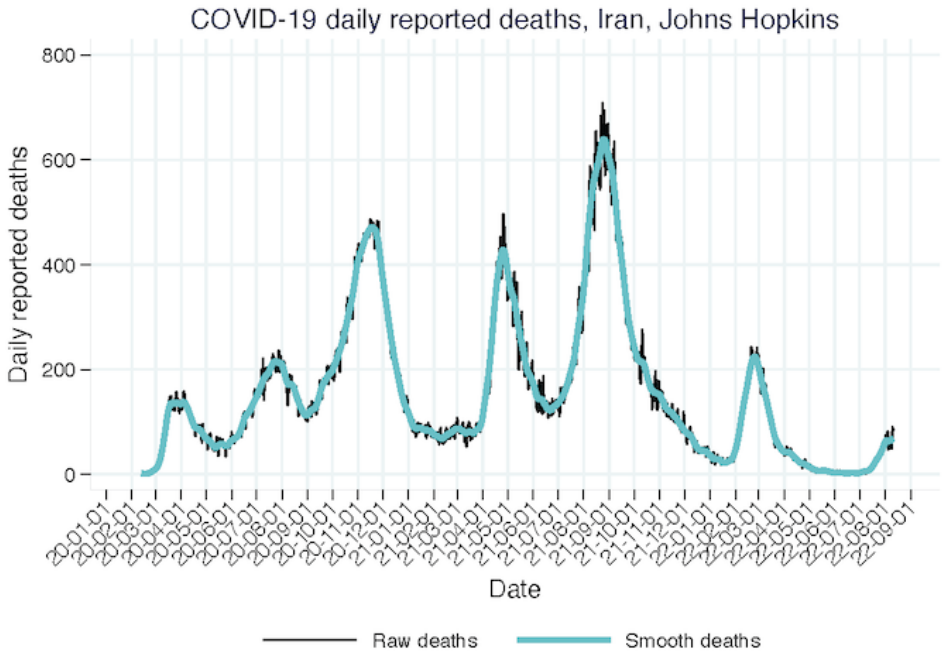
Selected graphs

(a) Iran, Official reports and models' predictions

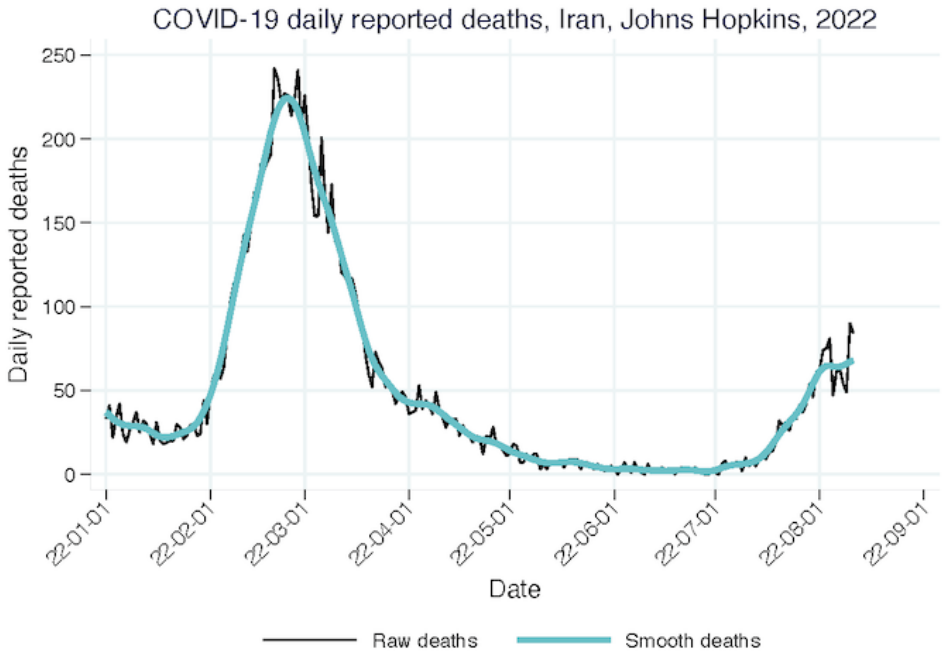
(b) Eastern Mediterranean Region, Official reports and models' predictions

(a) Iran, Official reports and models' predictions

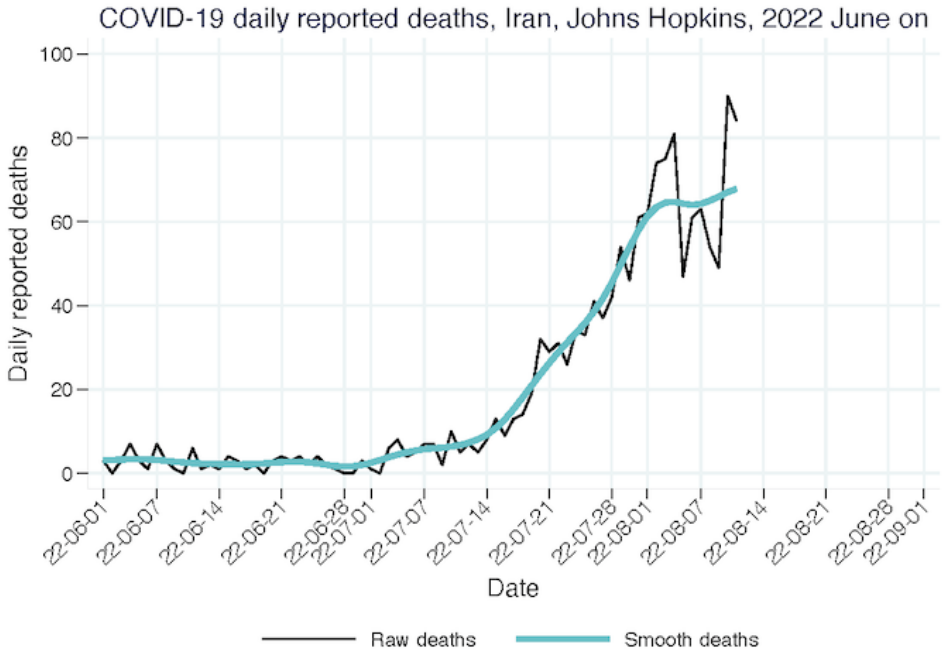
(0) Iran Daily reported deaths, JOHN, all times



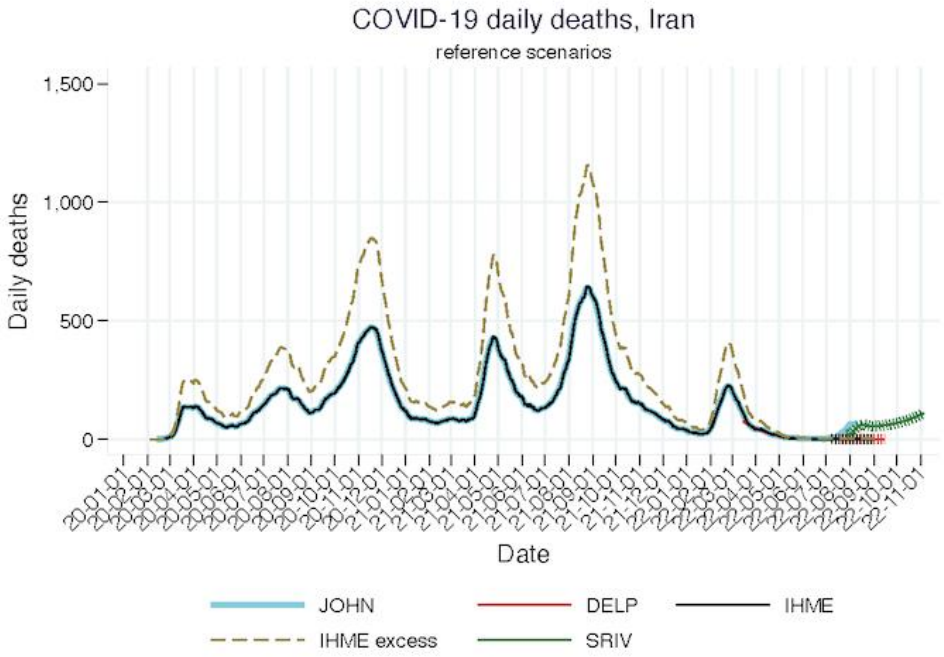
(0b) Iran [Daily reported deaths, JOHN, 2022]



(0c) Iran [Daily reported deaths, JOHN, 2022 June on]



(1) Iran Daily deaths, all time

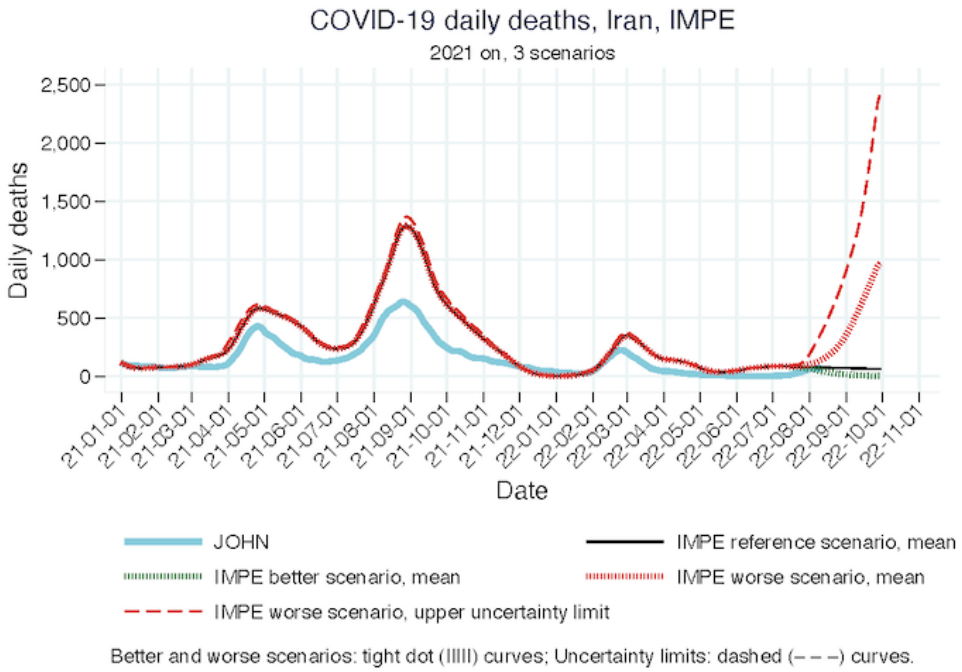


(2) Iran Daily deaths, 2021 on

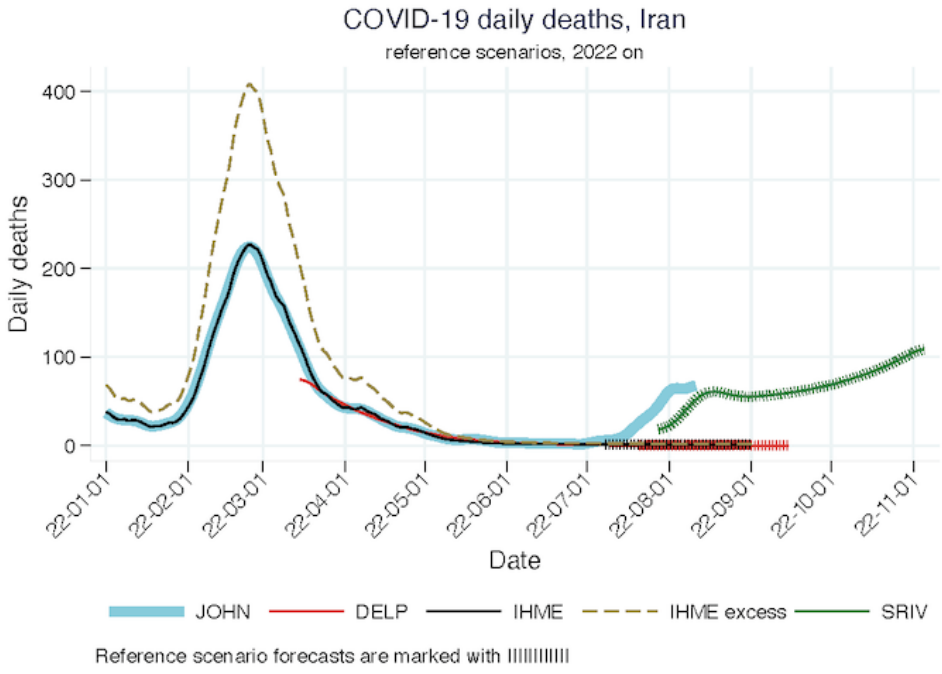
(3) Iran Daily deaths, 2021 on, reference scenario with uncertainty, IHME

(4) Iran Daily deaths, 2021 on, all scenarios, IHME

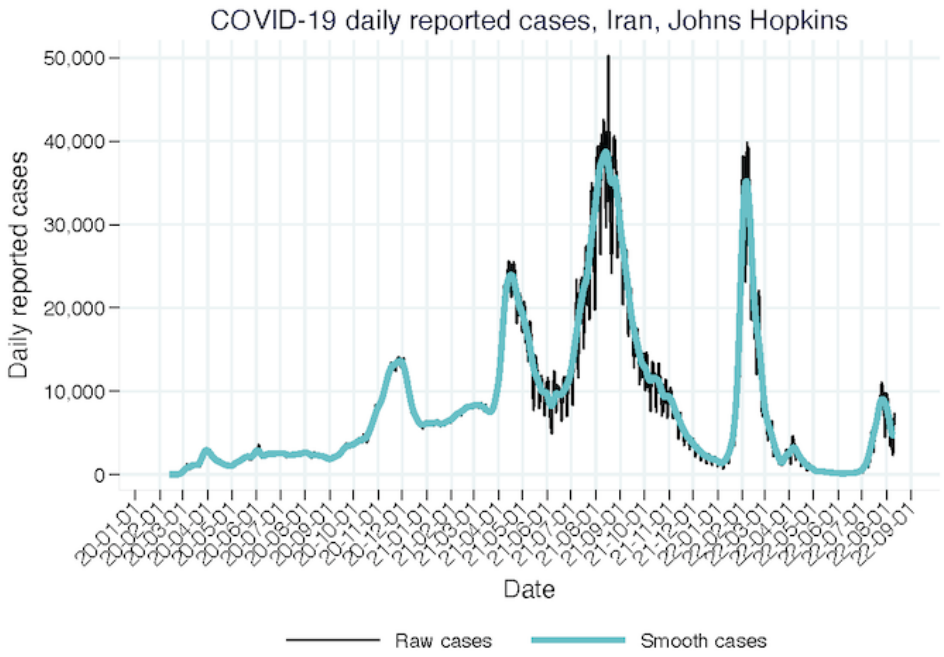
(5) Iran Deaths, Iran, IMPE, 2021 on, 3 scenarios



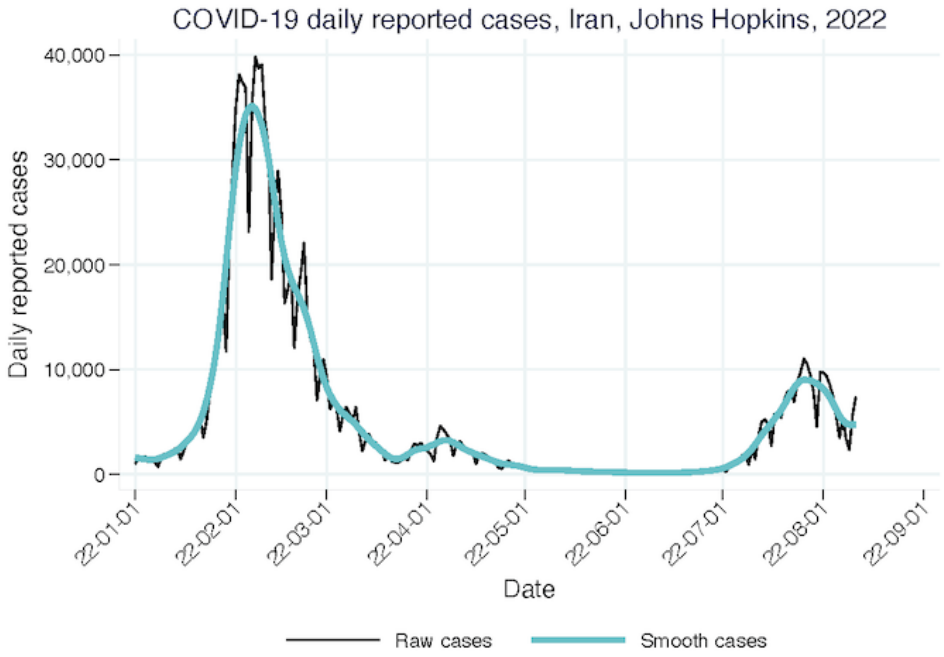
(6b) Iran Daily deaths, 2022 on, reference scenarios



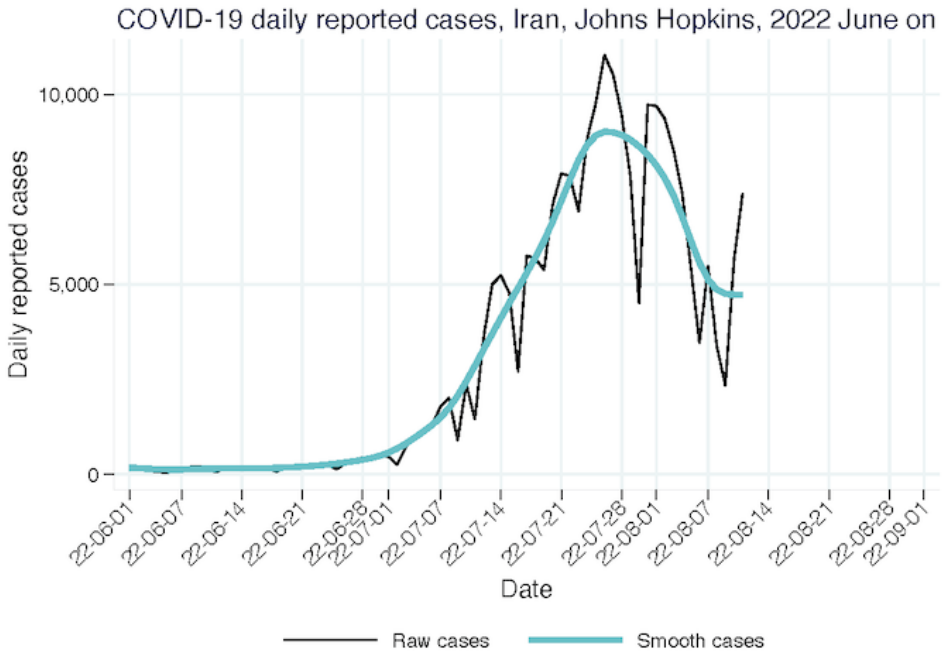
(00) Iran Daily reported cases, JOHN, all times



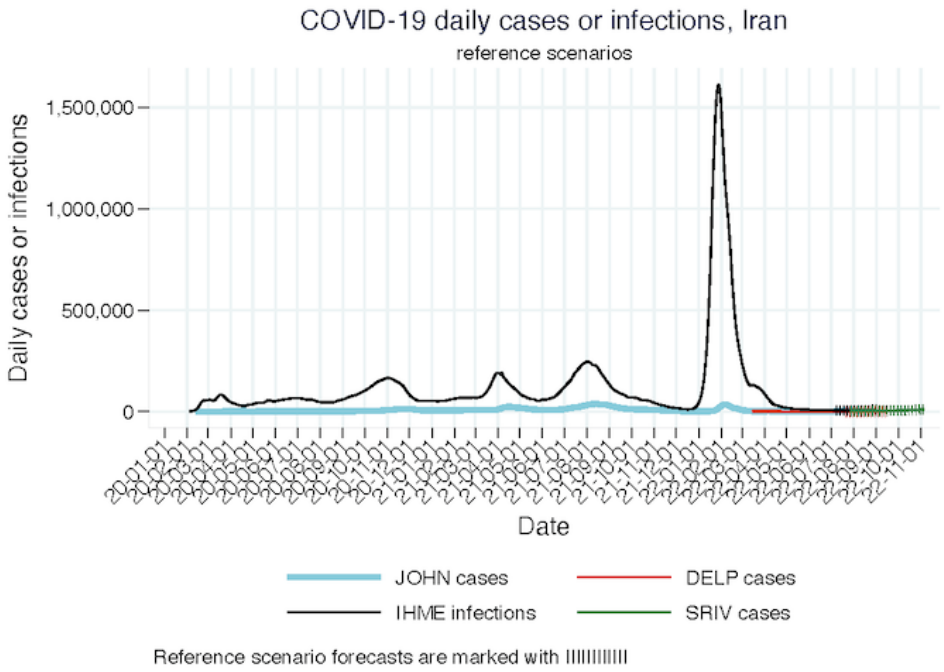
(00b3) Iran [Daily reported cases, JOHN, 2022]



(00c) Iran [Daily reported cases, JOHN, 2022 June on]



(7) Iran [Daily cases or infections, all time]

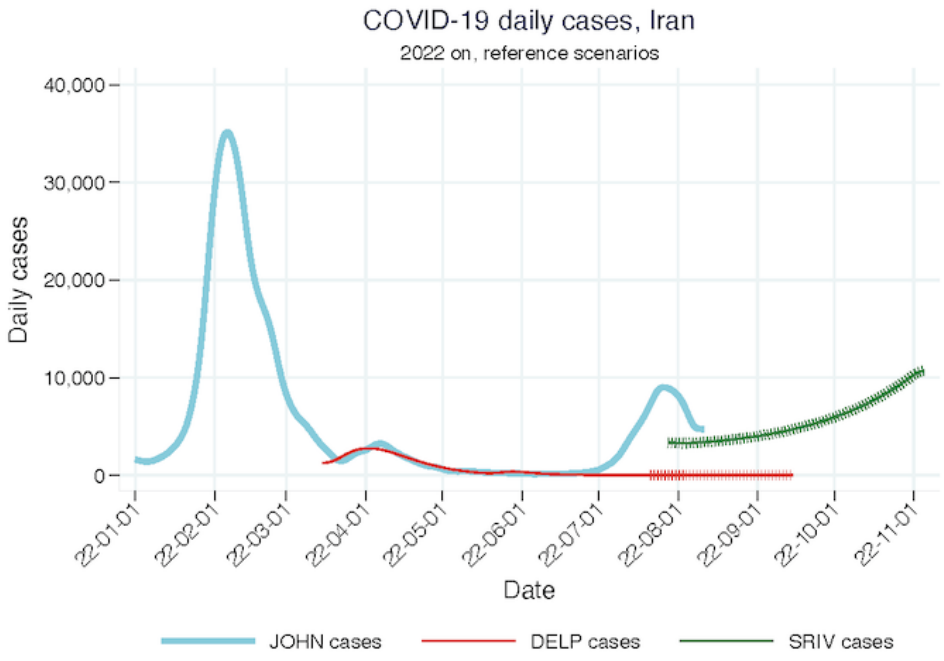


(8) Iran Daily cases or infections, 2021 on

(8b) Iran Daily cases, 2021 on

(8b1) Iran Daily cases JOHN, and infections IMPE, Iran, 2021 on

(8b2) Iran Daily cases, 2022 on



(8c) Iran Daily estimated infections IHME to reported cases JOHN, main scenarios, 2021 on

(9) Iran Hospital-related outcomes, all time

(10) Iran Hospital-related outcomes, 2021 on

(11) Iran's Daily deaths estimated to reported, all time

(12) Iran Daily cases or infections estimated to reported cases, 2021 on

IHME graphs

(13) Iran R effective, 2 scenarios, 2021 on, IHME

(14) Iran Daily Infection-outcome ratios, 2 scenarios, 2021 on, IHME

(15) Iran Daily mobility, 2 scenarios, all time, IHME

(16) Iran Daily mask use, 2 scenarios, all time, IHME

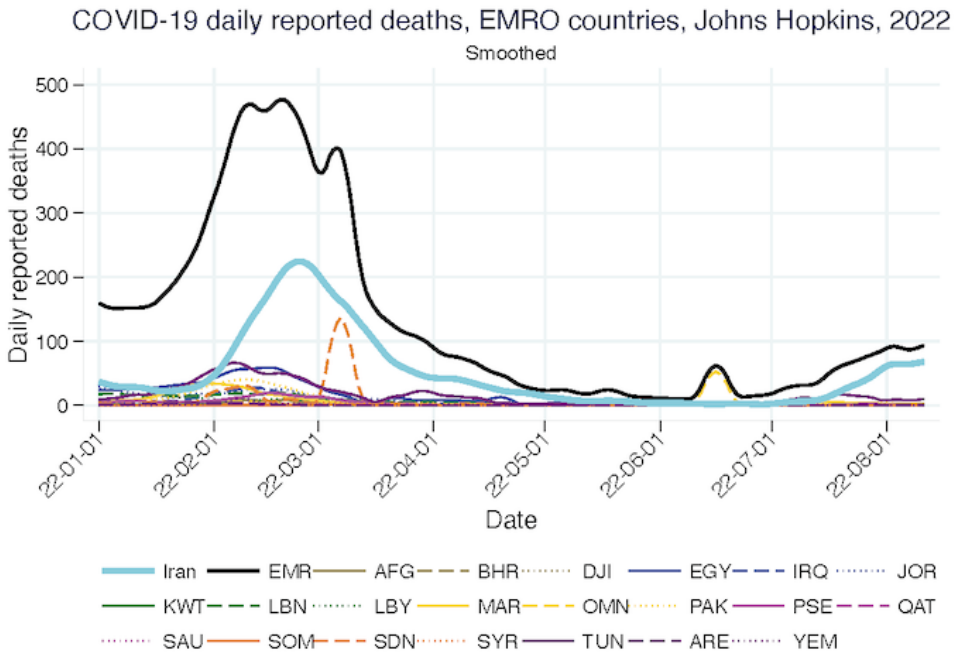
(17) Iran Percent cumulative vaccinated, 2021 on, IHME

(b) Eastern Mediterranean Region, Official reports and models' predictions

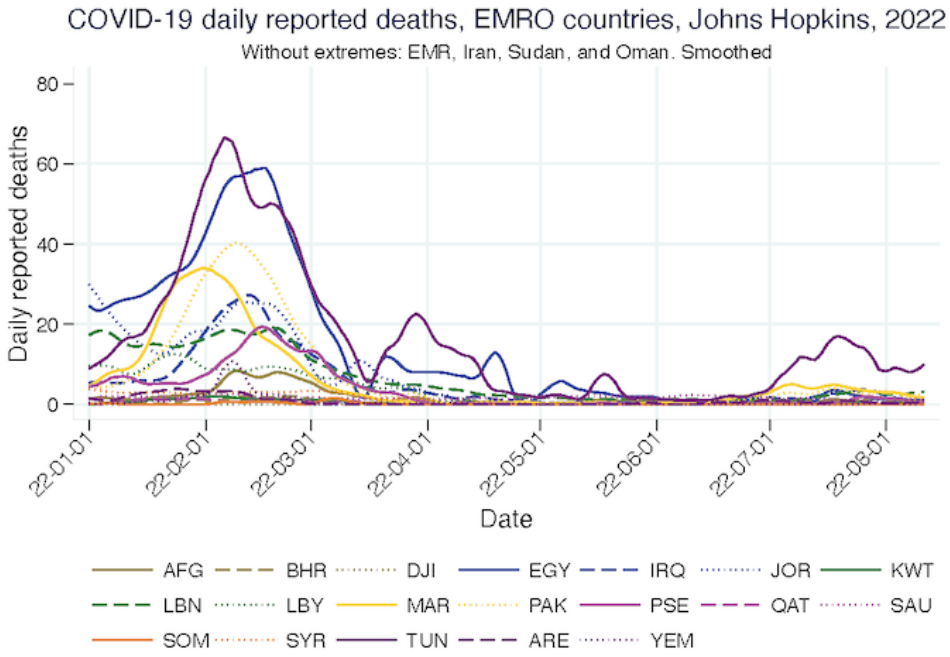
AFG: Afghanistan; ARE: United Arab Emirates; BHR: Bahrain; DJI: Djibouti; EGY: Egypt; **EMR: EMRO;** IRN: Iran; IRQ: Iraq; JOR: Jordan; KWT: Kuwait; LBN: Lebanon; LBY: Libya; MAR: Morocco; OMN: Oman; PAK: Pakistan; PSE: Palestine; QAT: Qatar; SAU: Saudi Arabia; SDN: Sudan; SOM: Somalia; SYR: Syria; TUN: Tunisia; YEM: Yemen

(b1) Eastern Mediterranean Region (EMR), official country reports (JOHN)

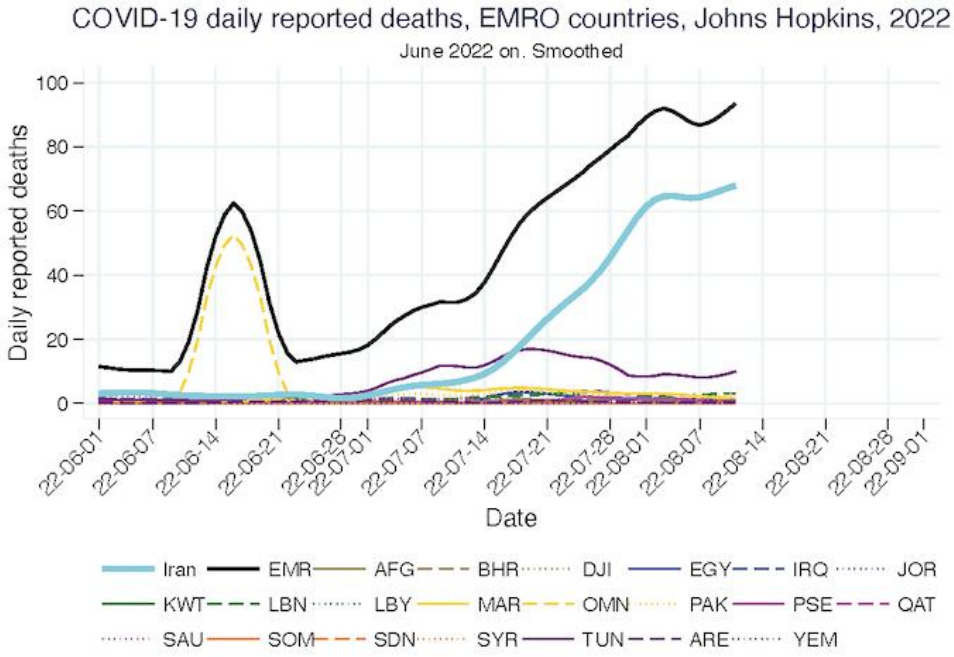
(1) EMR Daily reported deaths, EMR countries, Johns Hopkins, 2022



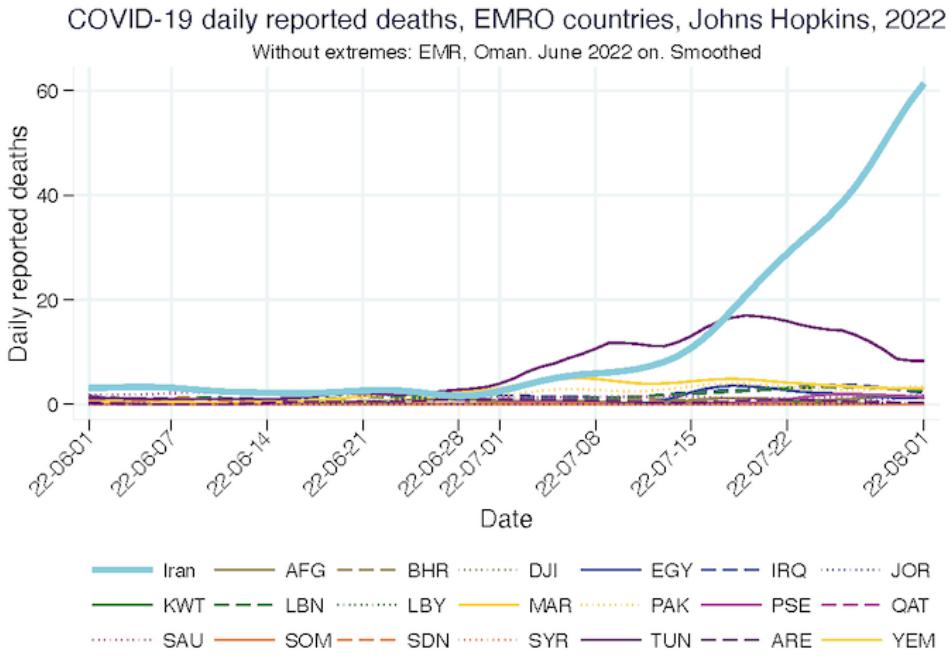
(2) EMR [Daily reported deaths, EMR countries, Johns Hopkins, 2022, without extremes]



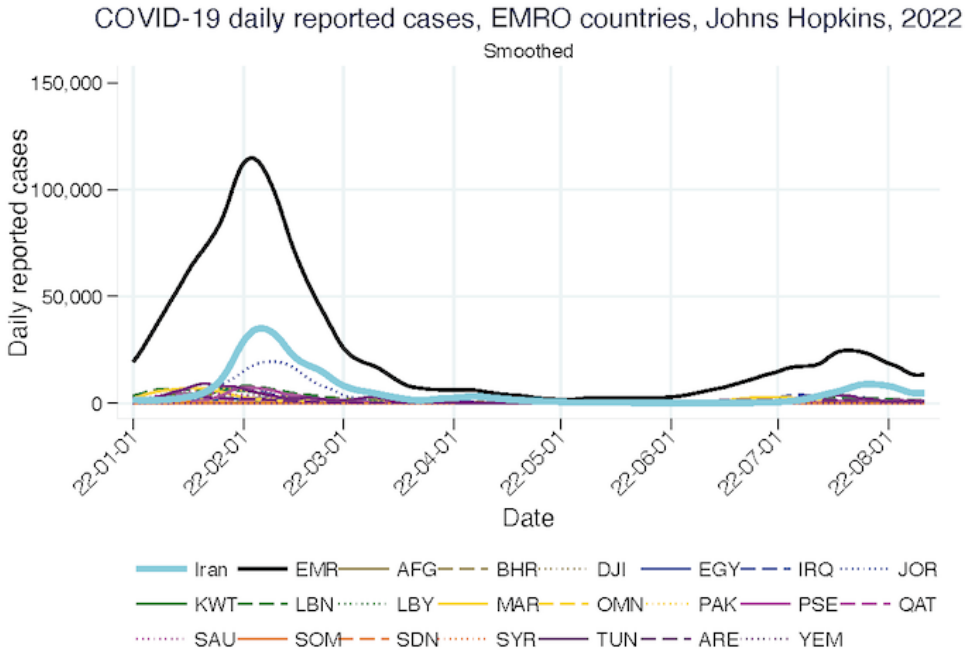
(3) EMR [Daily reported deaths, EMR countries, Johns Hopkins, June 2022 on]



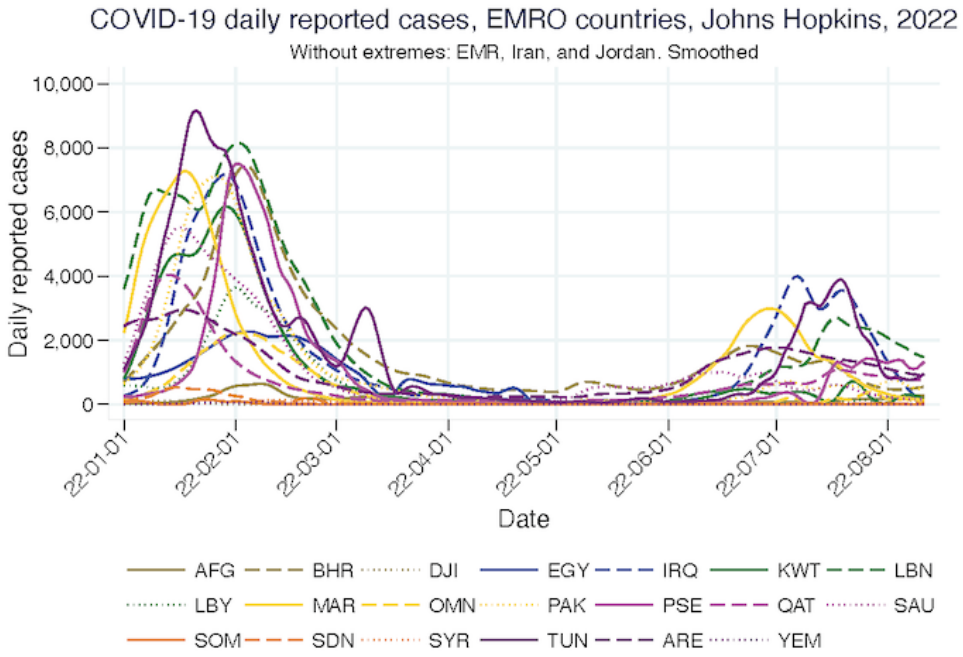
(4) EMR [Daily reported deaths, EMR countries, Johns Hopkins, June 2022 on, without extremes]



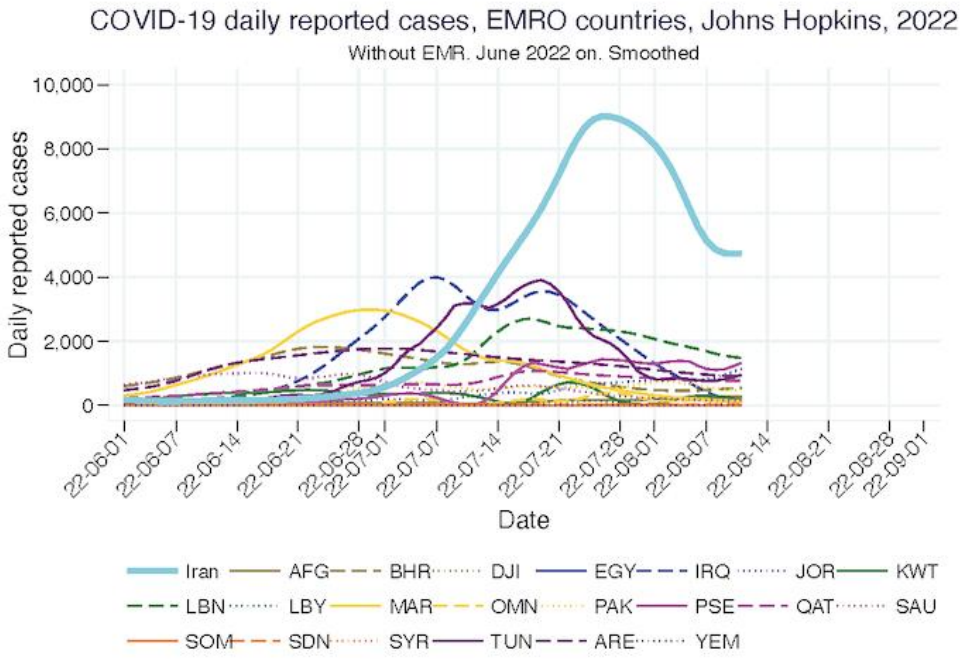
(5) EMR [Daily reported cases, EMR countries, Johns Hopkins, 2022]



(6) EMR [Daily reported cases, EMR countries, Johns Hopkins, 2022, without extremes]



(7) EMR [Daily reported cases, EMR countries, Johns Hopkins, June 2022 on]



(b2) Eastern Mediterranean Region (EMR), IHME model

(8) EMR Daily deaths, EMR countries, IHME, 2022

(9) EMR Daily deaths, EMR countries, IHME, 2022, Forecast only

(10) EMR Daily infections, EMR countries, IHME, 2022

(11) EMR Daily infections, EMR countries, IHME, 2022, Forecast only

(12) EMR Daily infections, EMR countries, IHME, 2022, Forecast only, without extremes

(13) EMR Daily infections, EMR countries, IHME, 2022, Forecast only, without more extremes