

Iran COVID-19 epidemic models situation report No 50 – 2022-03-25

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 country level, countries without subnational level estimates
Iran**

Based on uptake 20220325 in <https://github.com/pourmalek/covir2>

Study update dates in uptake 20220325:

DELP 20220325, IHME **20220222**, IMPE 20220120, **SRIV 20220325**

Note that the latest available IMPE model update reflects their predictions as of 2022-01-20, more than two months old now.

Summary 20220325:



The New Year ceremonies and travels increase number of contacts and probability of transmission and spread the virus across the country. These factors are not fully included in the models. **As such, a new surge could be expected in Iran about April.**

Considerable proportions of the COVID-19 cases and deaths that will occur in the new-coming 7th wave can be **prevented** by Non-Pharmaceutical Interventions (NPIs) and vaccination.

Premature release of mandates for using masks and physical distancing serves the political and economic purposes of the governments, not the public health and survival needs of the populations.

People will die. **Do something now.**

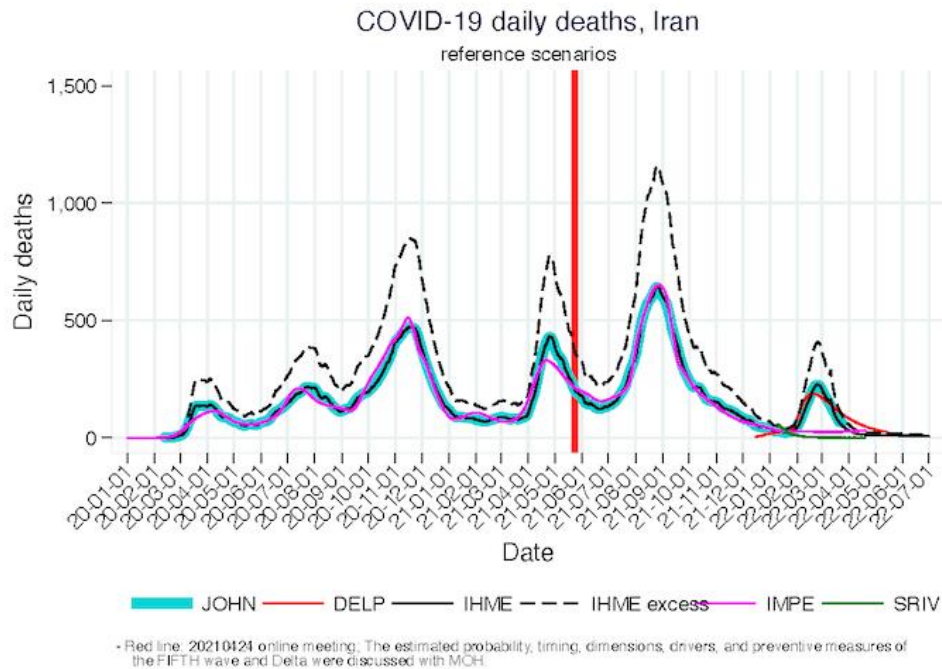
Strengths and weakness of the international and periodically update COVID-19 pandemic models are discussed [here](#).

Names of models/studies in Farsi:

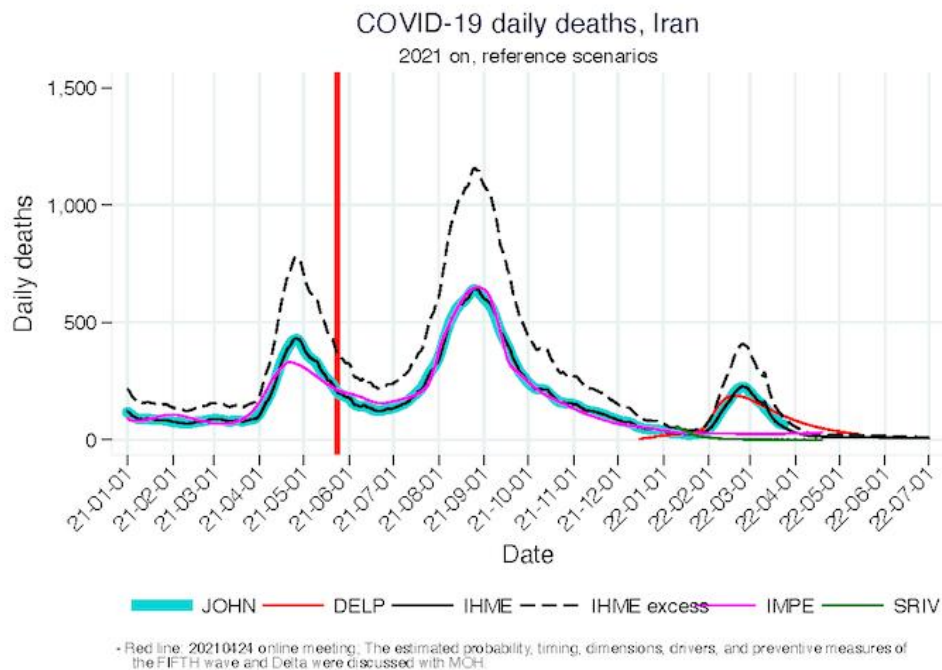
- (DELP) مطالعه دلفی، انستیتوی فناوری ماساچوست کمبریج (منحنی قرمز رنگ)
- (IHME) مطالعه موسسه آی اچ ام ای، دانشگاه واشنگتن سیاتل (منحنی سیاه رنگ)
- (IMPE) مطالعه ایمپریال کالج لندن (منحنی صورتی رنگ)
- (SRIV) مطالعه اسرئو استاوا در دانشگاه کالیفرنیا جنوبی (منحنی سبز رنگ)
- (JOHN) دانشگاه جانز هاپکینز،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

Selected graphs

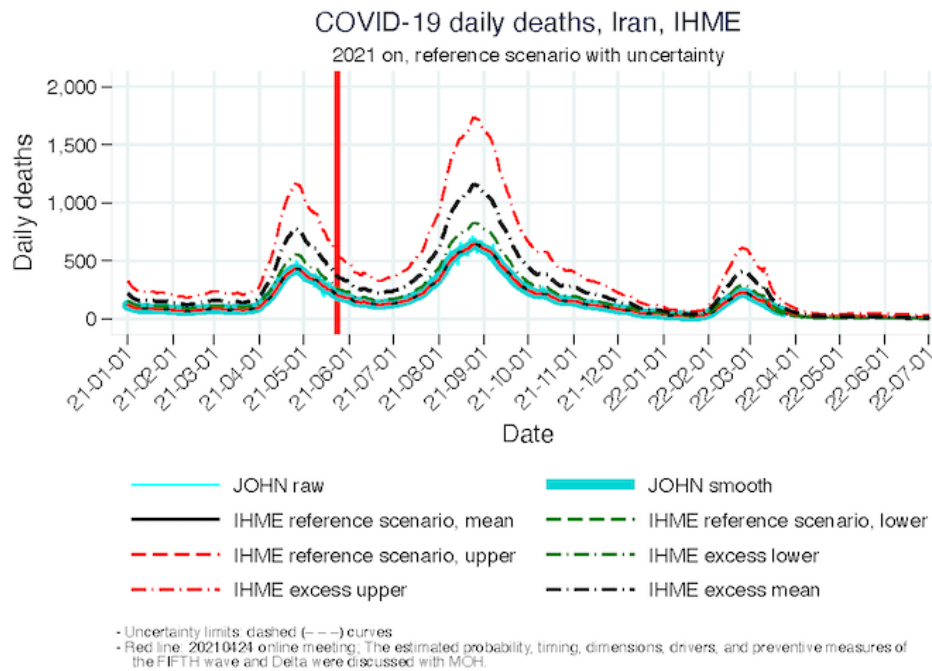
(1) Iran [Daily deaths, all time](#)



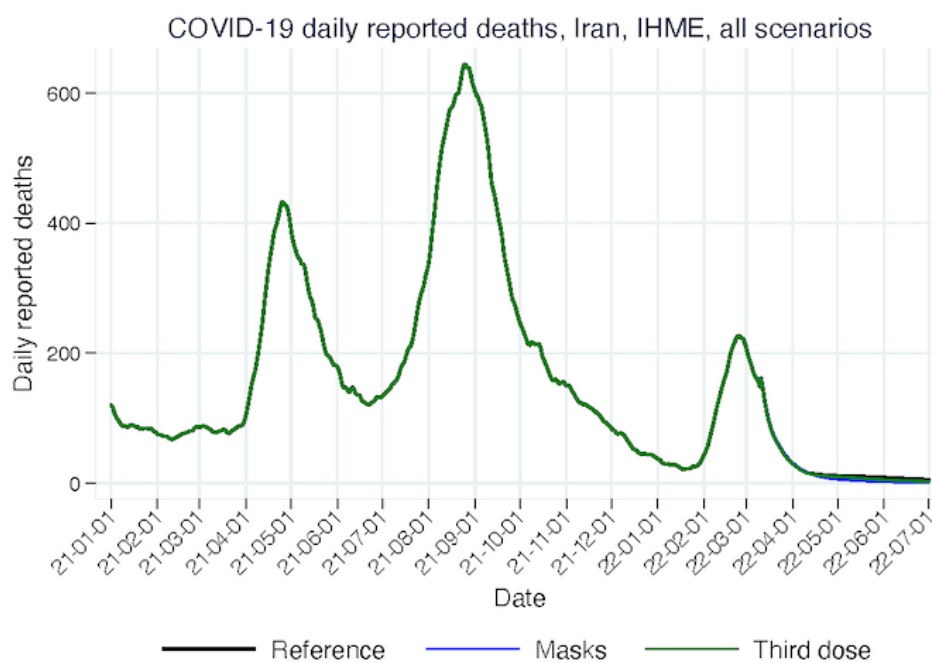
(2) Iran [Daily deaths, 2021 on](#)



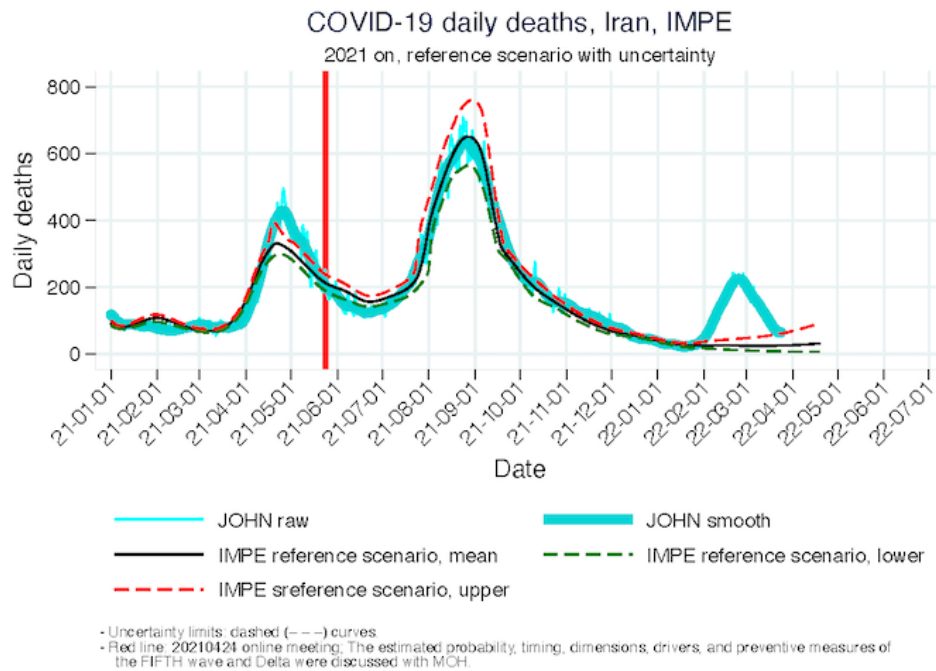
(3) Iran [Daily deaths, 2021 on, reference scenario with uncertainty, IHME](#)



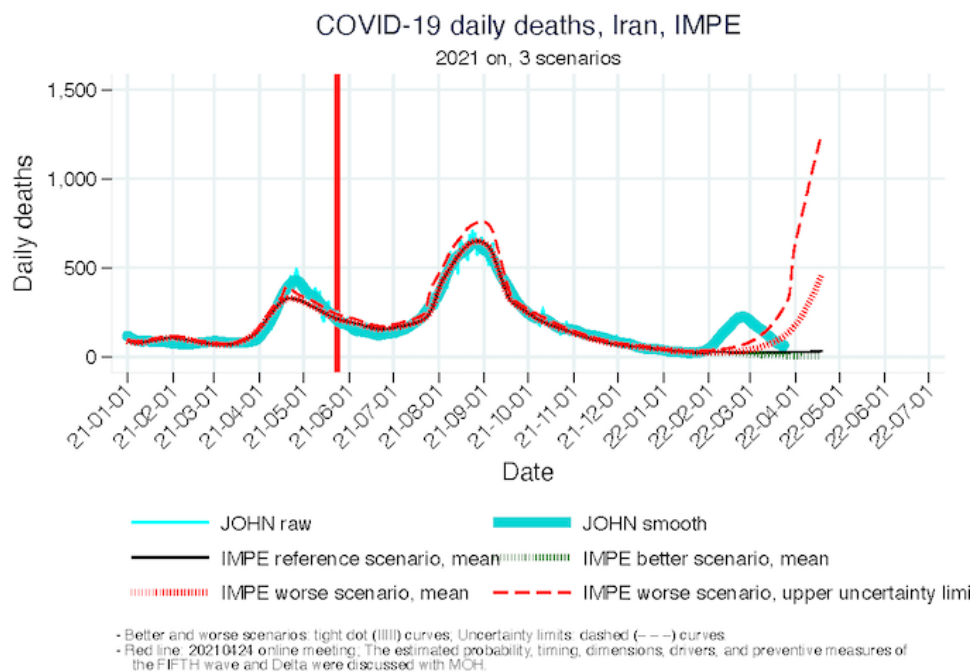
(4) Iran [Daily deaths, 2021 on, all scenarios, IHME](#)



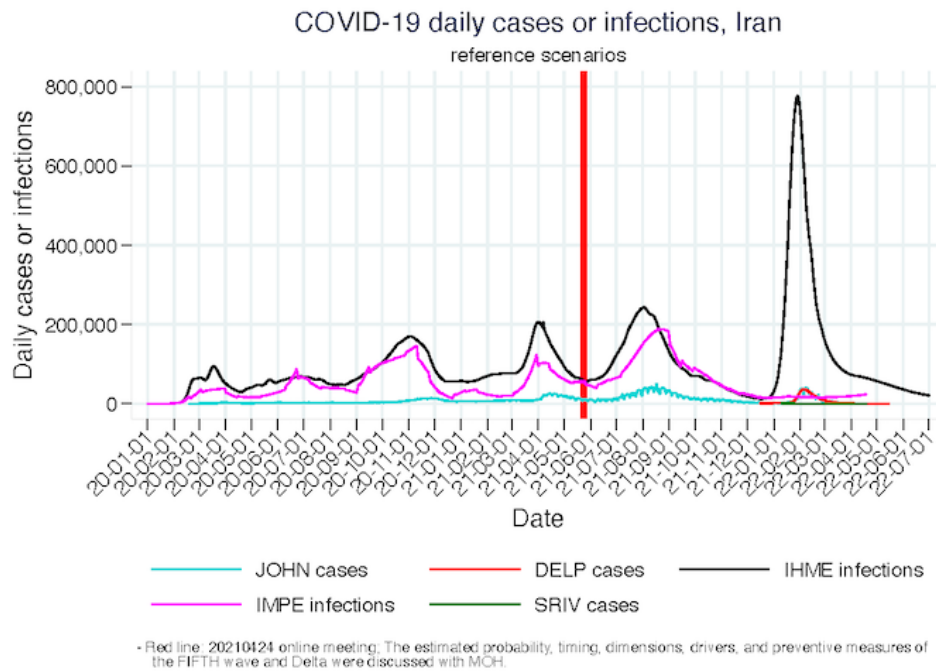
(5) Iran [Daily deaths, 2021 on, reference scenario with uncertainty, IMPE](#)



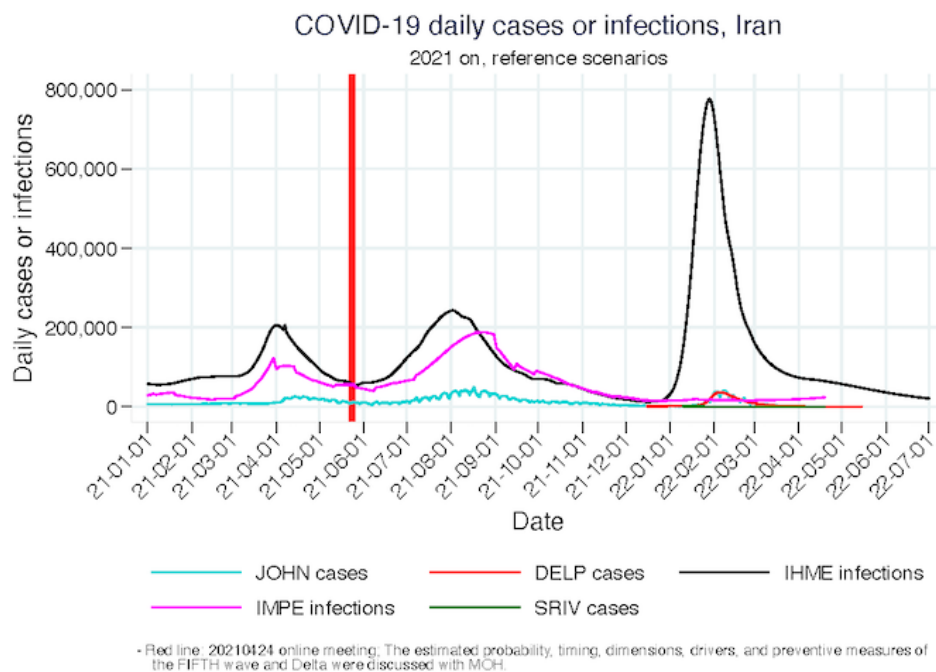
(6) Iran [Daily deaths, 2021 on, 3 scenarios, IMPE](#)



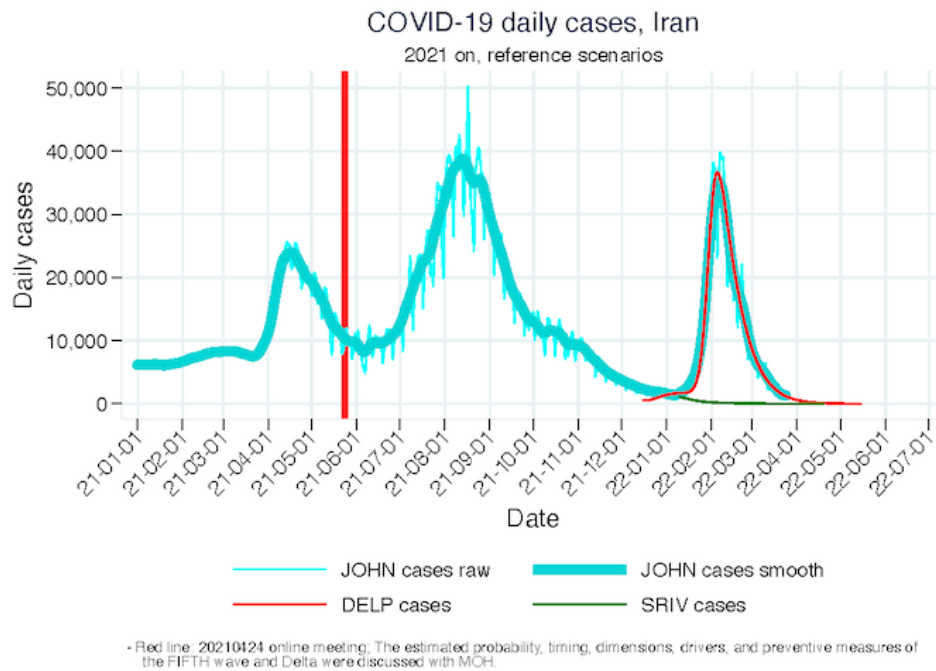
(7) Iran [Daily cases or infections, all time](#)



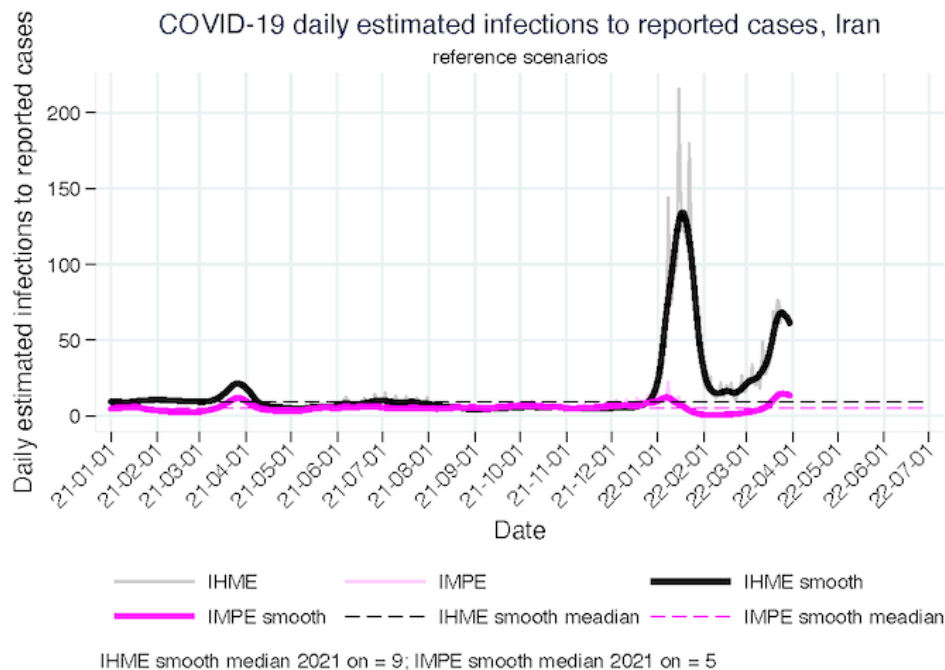
(8) Iran [Daily cases or infections, 2021 on](#)



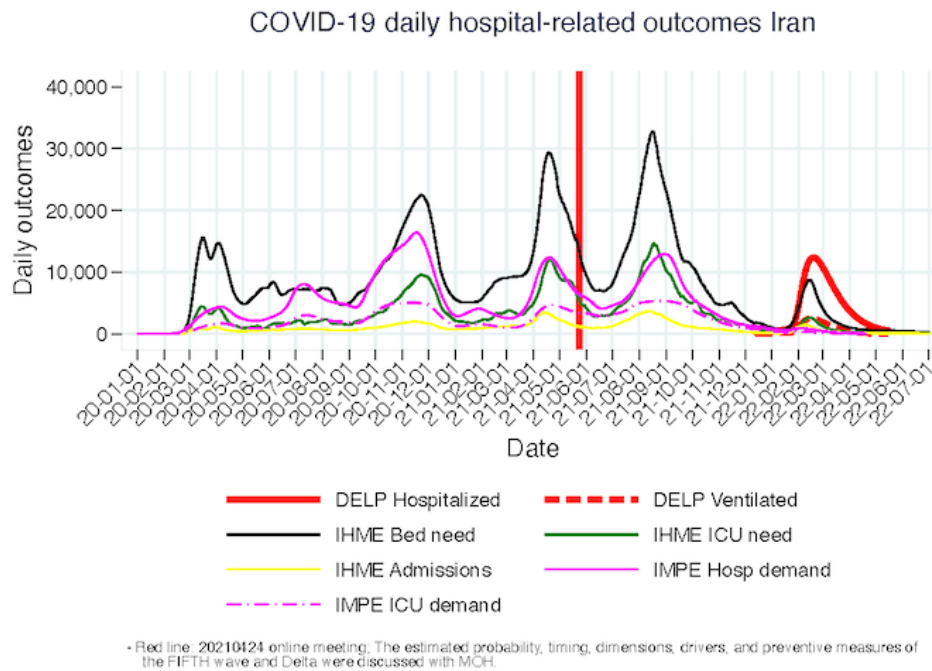
(8b) Iran [Daily cases, 2021 on](#)



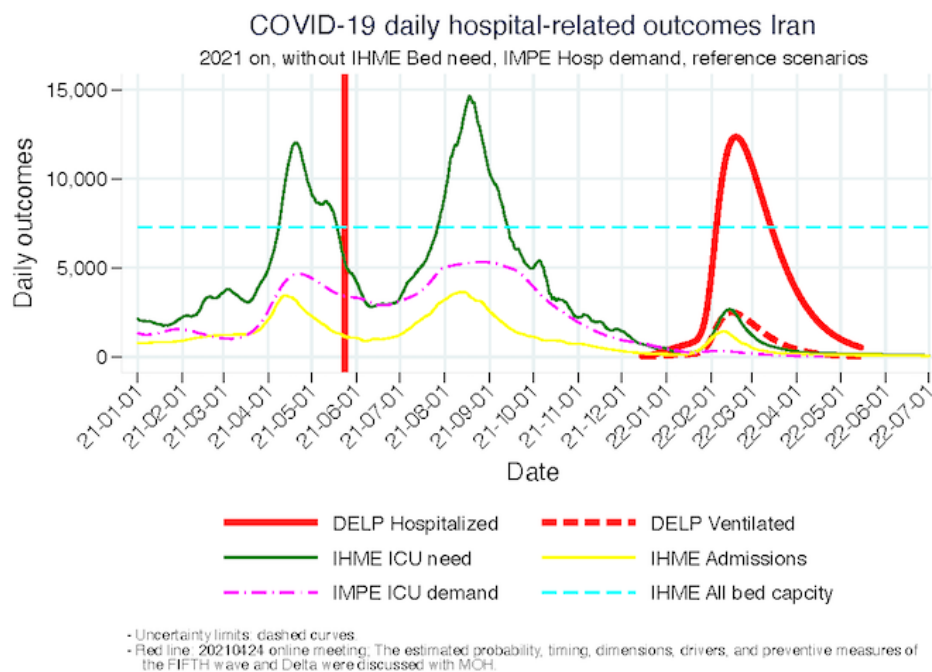
(8c) Iran [Daily estimated infections IHME, IMPE to reported cases JOHN, main scenarios, 2021 on](#)



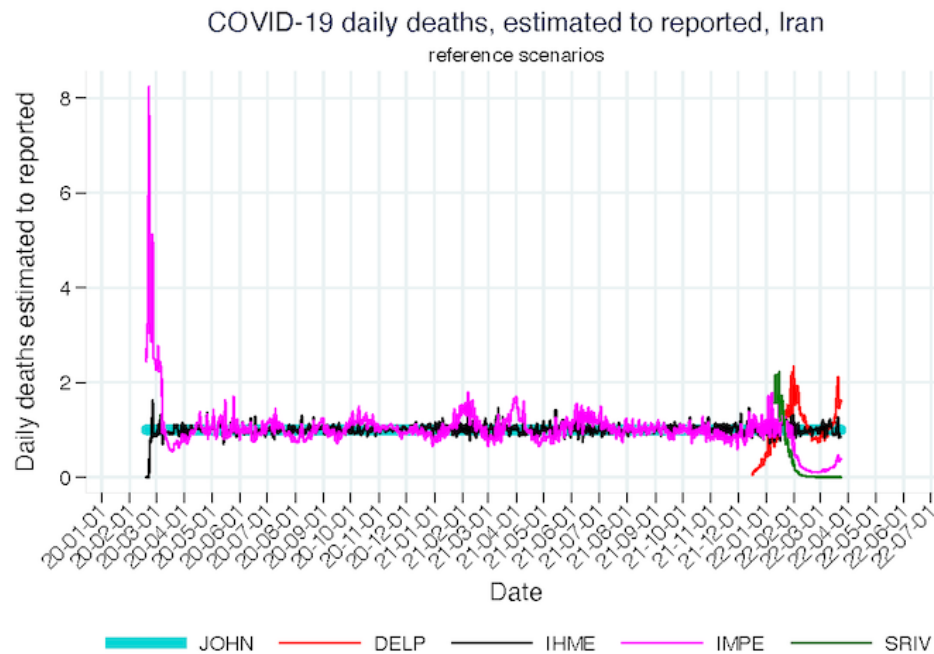
(9) Iran [Hospital-related outcomes, all time](#)



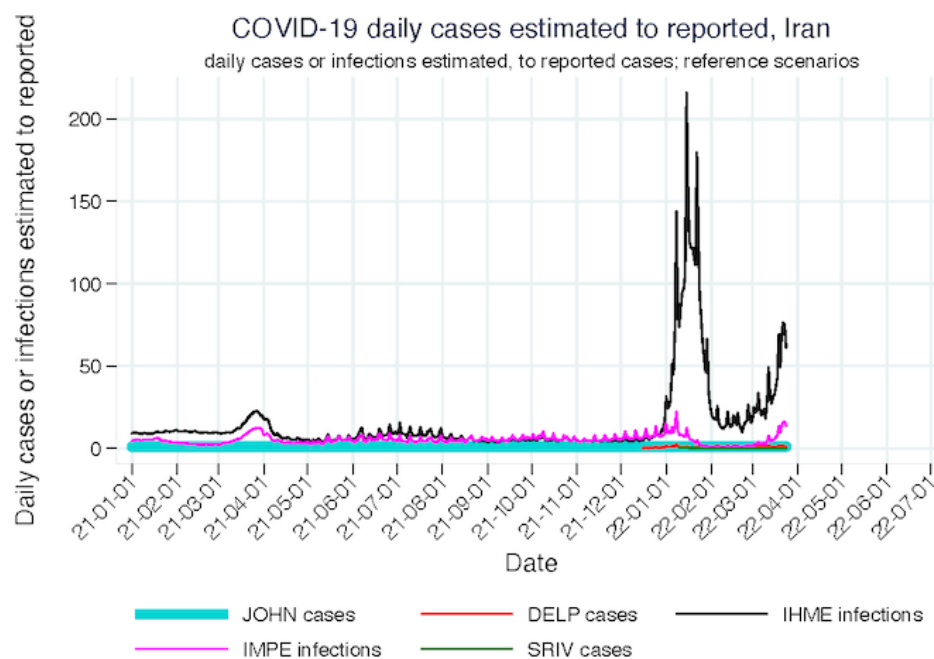
(10) Iran [Hospital-related outcomes, 2021 on](#)



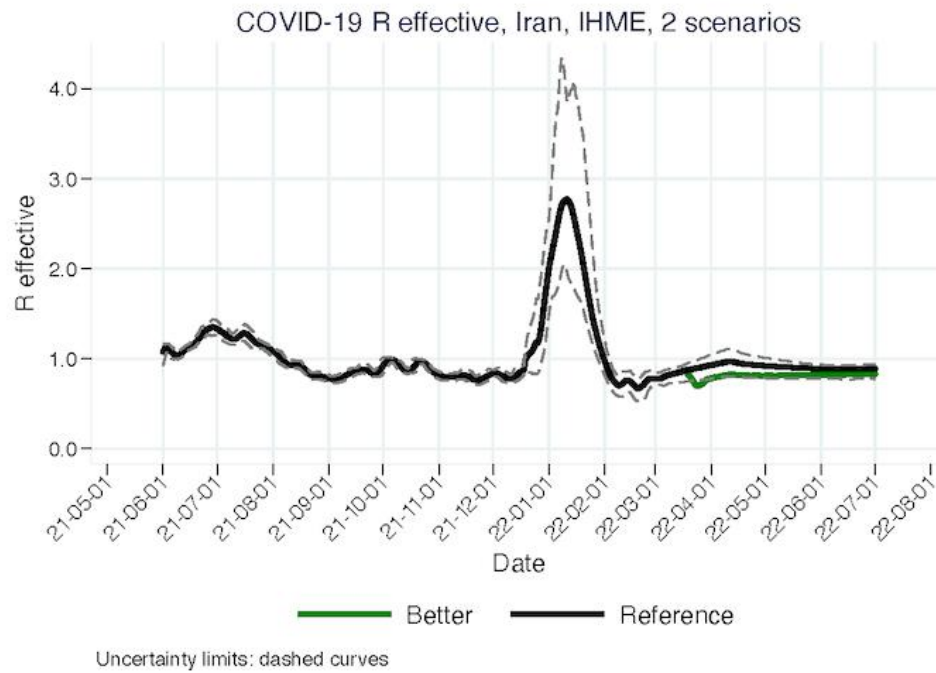
(11) Iran [Daily deaths estimated to reported, all time](#)



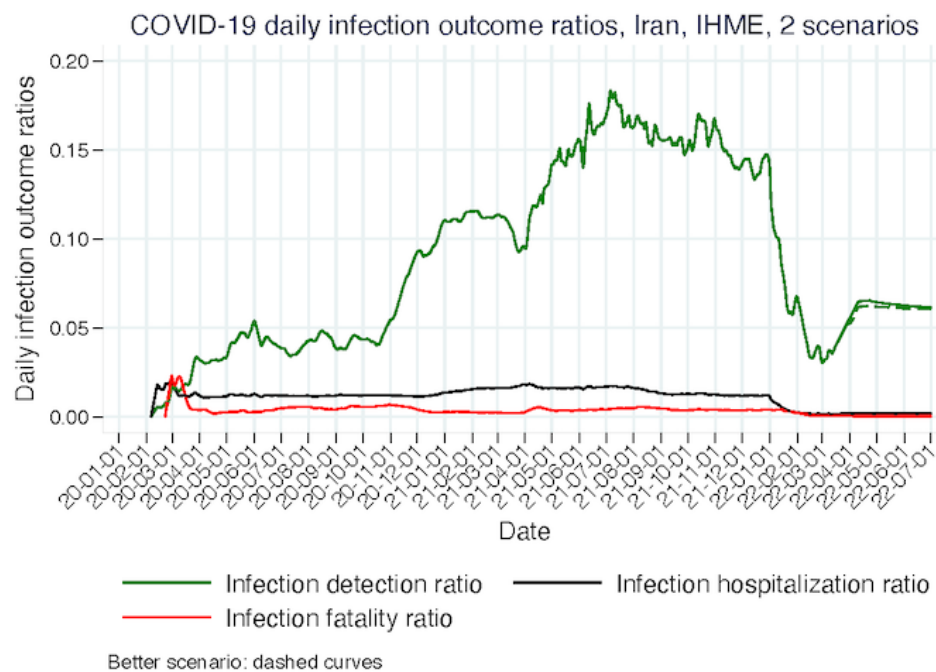
(12) Iran [Daily cases or infections estimated to reported cases, 2021 on](#)



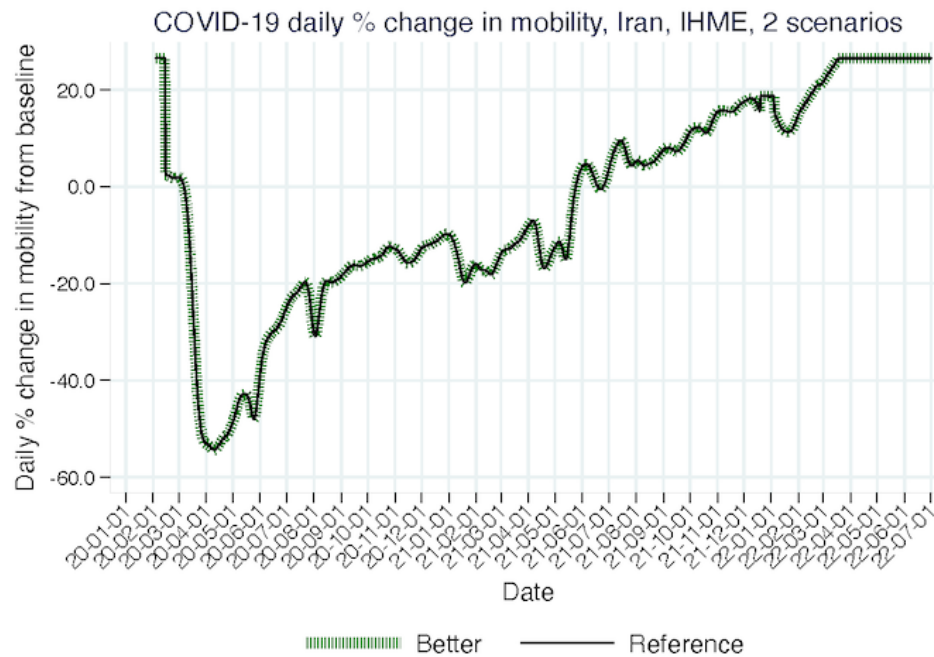
(13) Iran [R effective, 2 scenarios, 2021 on, IHME](#)



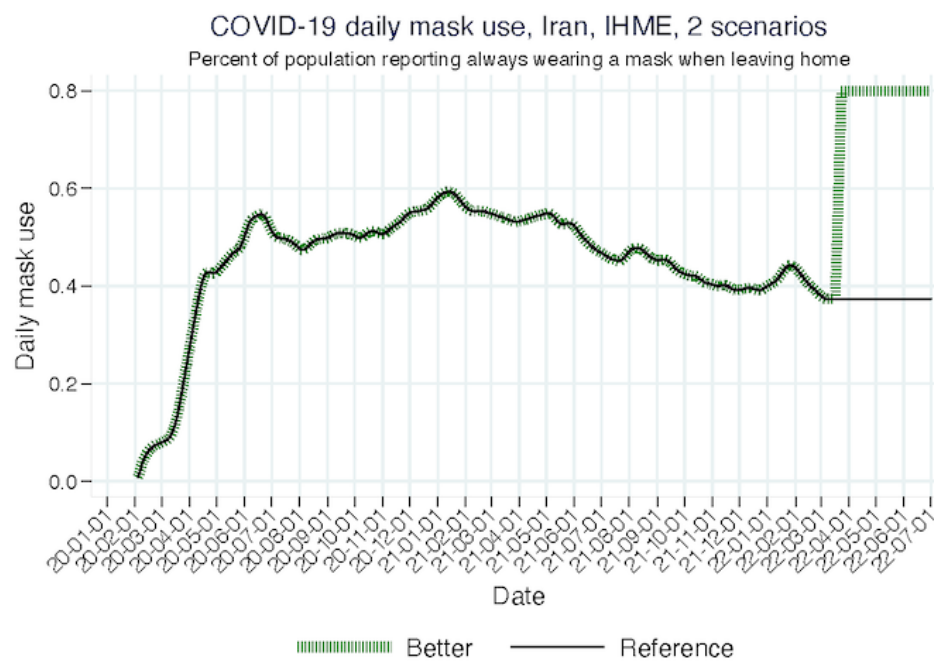
(14) Iran [Daily Infection-outcome ratios, 2 scenarios, 2021 on, IHME](#)



(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](#)

