Iran COVID-19 epidemic models situation report No 42 - 2022-02-04

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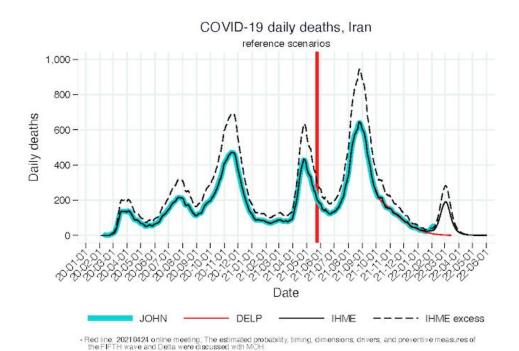
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Combine and visualize international periodically updated estimates of COVID-19 pandemic at the country level, countries without subnational level estimates Iran

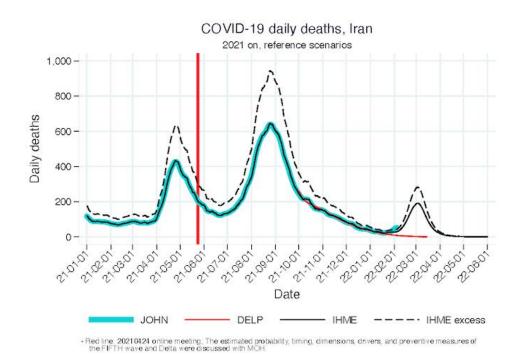
Based on uptake 20220204 in https://github.com/pourmalek/covir2
DELP 20220204, IHME 20220204, IMPE NO, SRIV NO
IMPE 20220102 is > one month old and is not included in the graphs.
SRIV Highly implausibly high estimate.

Selected graphs

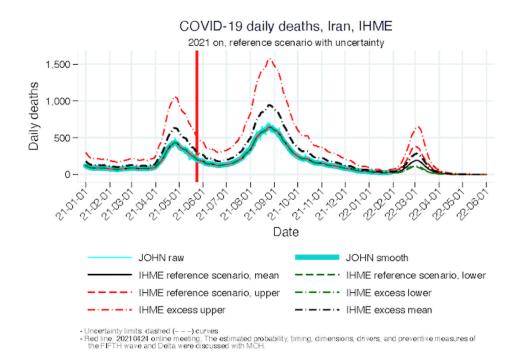
(1) Iran Daily deaths, all time



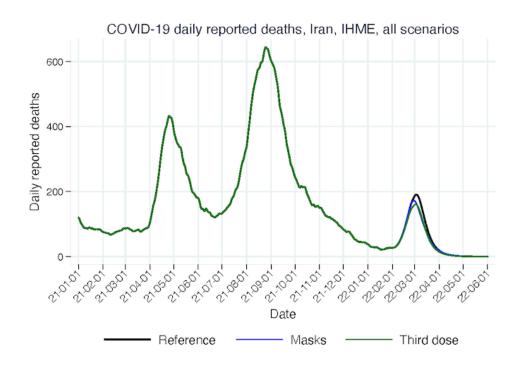
(2) Iran Daily deaths, 2021 on



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

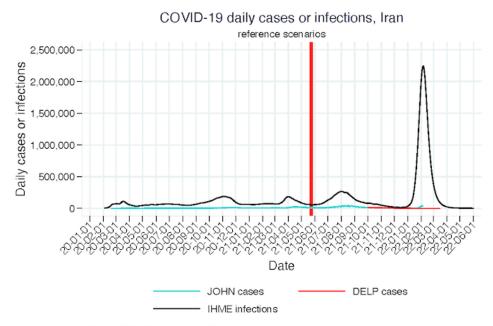


(4) Iran Daily deaths, 2021 on, all scenarios, IHME



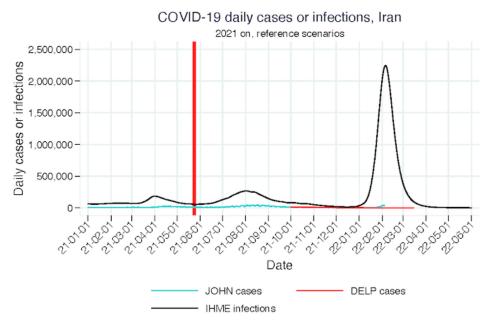
- (5) Iran Daily deaths, 2021 on, reference scenario with uncertainty, IMPE IMPE 20220102 is > one month old and is not included in the graphs.
- (6) Iran Daily deaths, 2021 on, 3 scenarios, IMPEIMPE 20220102 is > one month old and is not included in the graphs.

(7) Iran <u>Daily cases or infections</u>, all time



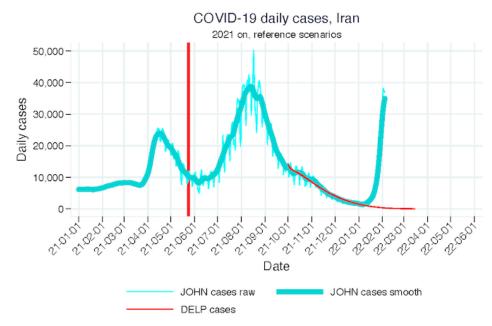
Red line: 20210124 online meeting. The estimated probability, timing, dimensions, drivers, and preventive measures of the FIFTH wave and Delta were discussed with MOH.

(8) Iran Daily cases or infections, 2021 on



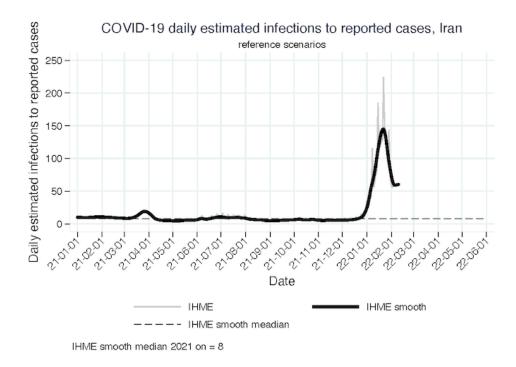
Red line: 20210124 online meeting. The estimated probability, timing, dimensions, drivers, and preventive measures of the FIFTH wave and Delta were discussed with MOH.

(8b) Iran Daily cases, 2021 on

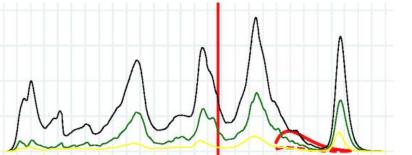


Red line: 20210424 online meeting. The estimated probability, timing, dimensions, drivers, and preventive measures of the FIFTH wave and Delta were discussed with MOH.

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



(9) Iran Hospital-related outcomes, all time



COVID-19 daily hospital-related outcomes Iran

DELP Hospitalized

Date

DELP Ventilated

40,000-

30,000

20,000

10,000

0.

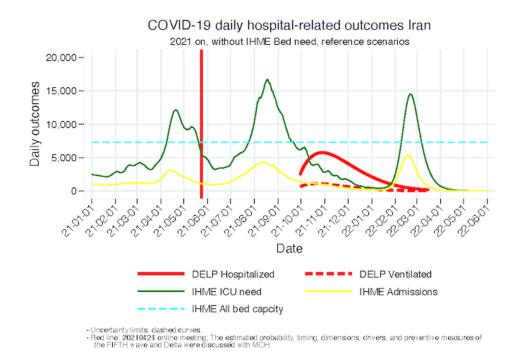
Daily outcomes

IHME Bed need IHME ICU need

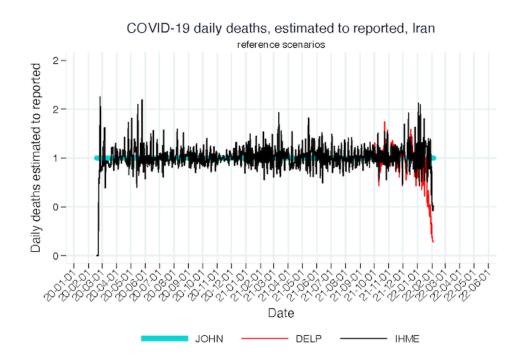
IHME Admissions

- Red line: 20210124 online meeting. The estimated probability, timing, dimensions, drivers, and preventive measures of the FIFTH wave and Delta were discussed with MCH.

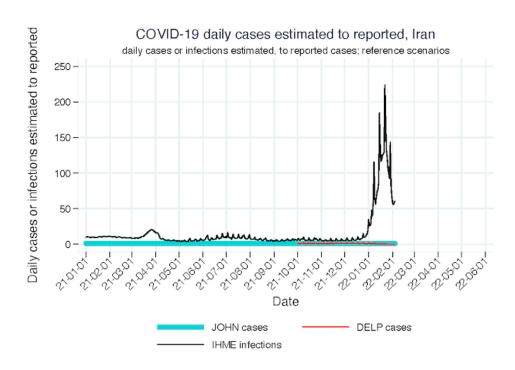
(10) Iran Hospital-related outcomes, 2021 on



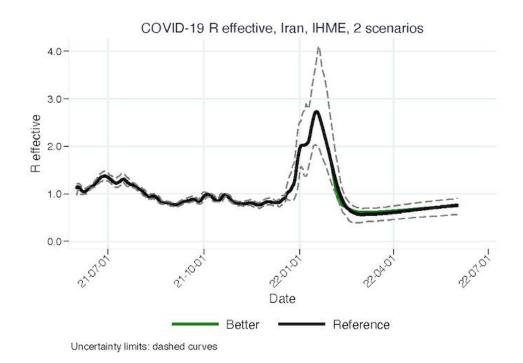
(11) Iran Daily deaths estimated to reported, all time



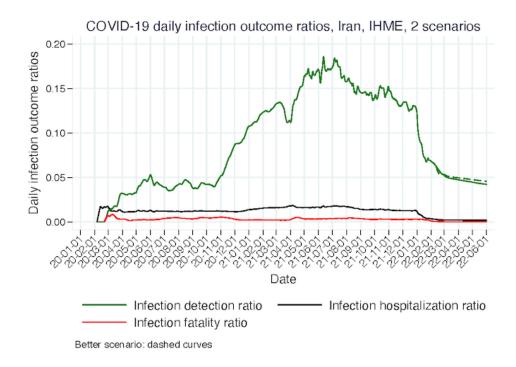
(12) Iran Daily cases or infections estimated to reported cases, 2021 on



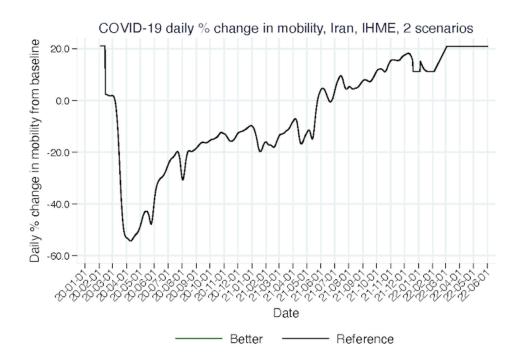
(13) Iran R effective, 2 scenarios, 2021 on, IHME



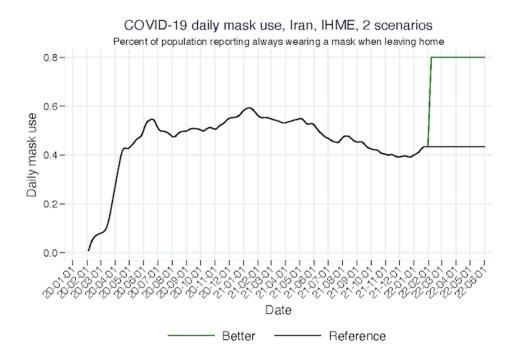
(14) Iran Daily Infection-outcome ratios, 2 scenarios, 2021 on, IHME



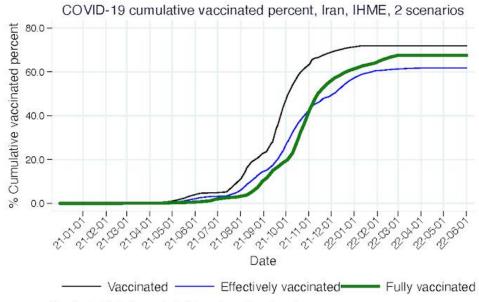
(15) Iran Daily mobility, 2 scenarios, all time, IHME



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



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



Vaccinated: Initially vaccinated (one dose of two doses) Effectively vaccinated: one and two dose with efficacy Fully vaccinated: one of one and two of two doses