Iran COVID-19 epidemic models situation report No 46 – 2022-03-04

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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 20220304 in https://github.com/pourmalek/covir2
Study update dates in uptake 20220304:
DELP 20220304, IHME 20220218, *IMPE 20220120*, *SRIV 20220301*
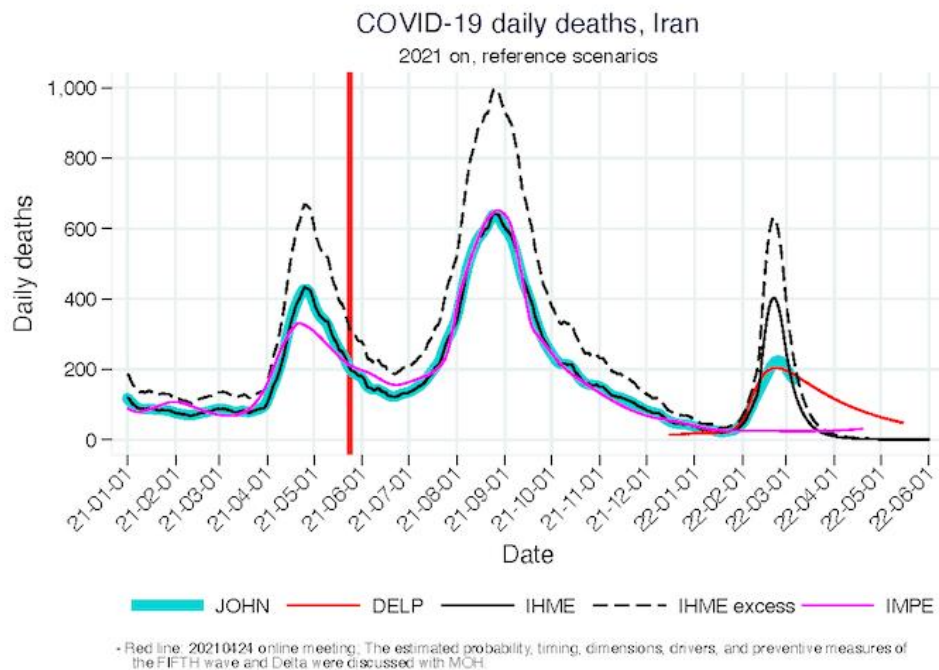
Names of models/studies in Farsi:

(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
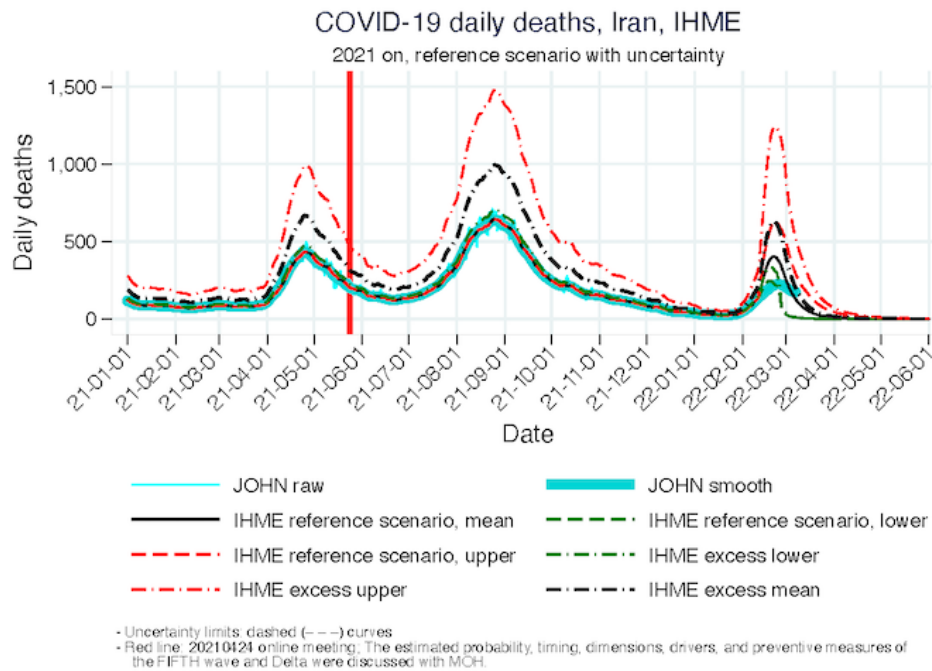
(1) Iran Daily deaths, all time
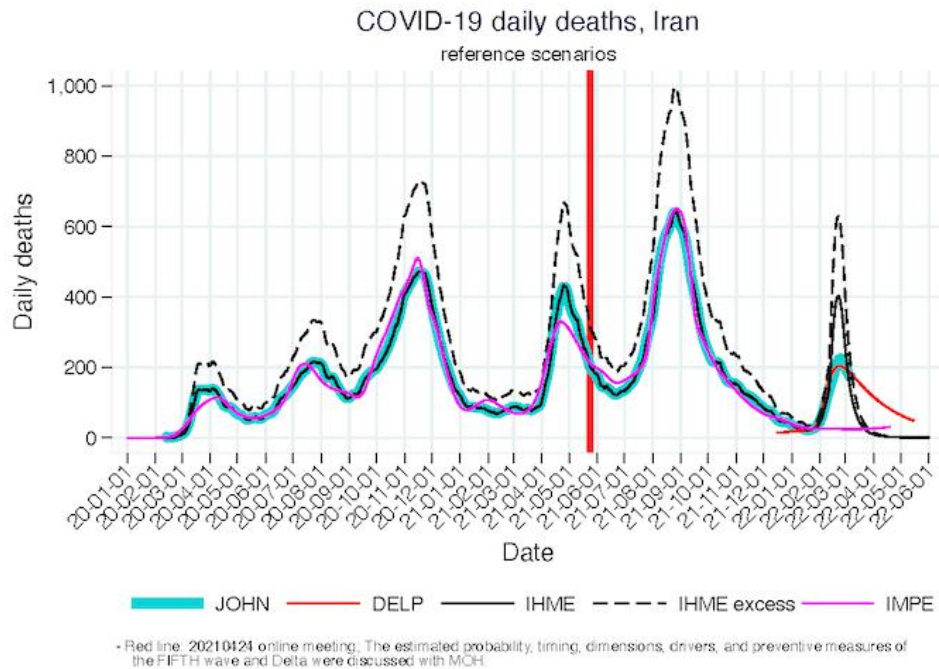
(2) Iran Daily deaths, 2021 on

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

COVID-19 daily deaths, Iran, IHME
2021 on, reference scenario with uncertainty

- Uncertainty limits: dashed (– – –) curves
- Red line: 20210124 online meeting; The estimated probability, timing, dimensions, drivers, and preventive measures of the FIFTH wave and Delta were discussed with MOH.

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

COVID-19 daily reported deaths, Iran, IHME, all scenarios

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

COVID-19 daily deaths, Iran, IMPE
2021 on, reference scenario with uncertainty

- Uncertainty limits: dashed (– – –) curves
- Red line: 20210424 online meeting; The estimated probability, timing, dimensions, drivers, and preventive measures of the FIFTH wave and Delta were discussed with MOH.
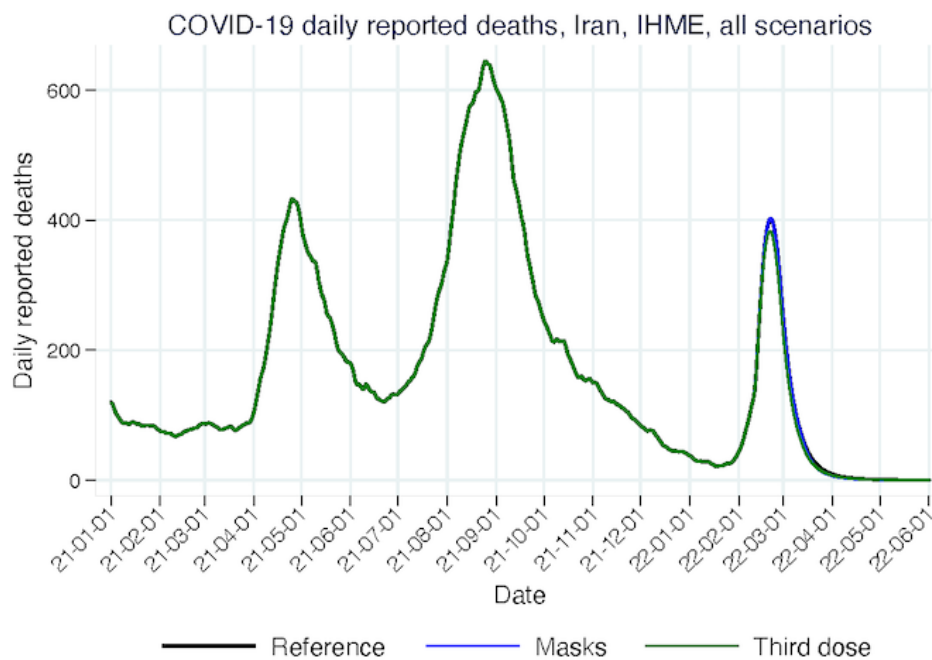
(6) Iran Daily deaths, 2021 on, 3 scenarios, IMPE

COVID-19 daily deaths, Iran, IMPE
2021 on, 3 scenarios

- Better and worse scenarios: tight dot (IIIII) curves; Uncertainty limits: dashed (– – –) curves
- Red line: 20210424 online meeting; The estimated probability, timing, dimensions, drivers, and preventive measures of the FIFTH wave and Delta were discussed with MOH.
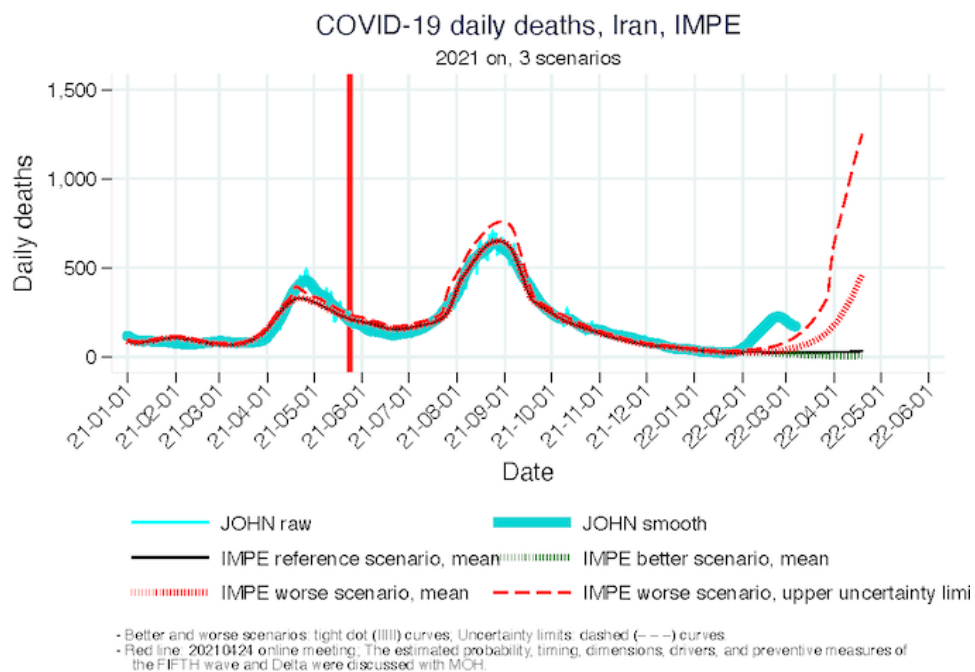
(7) Iran Daily cases or infections, all time

COVID-19 daily cases or infections, Iran
reference scenarios

- Red line: 20210124 online meeting; The estimated probability, timing, dimensions, drivers, and preventive measures of the FIFTH wave and Delta were discussed with MOH.
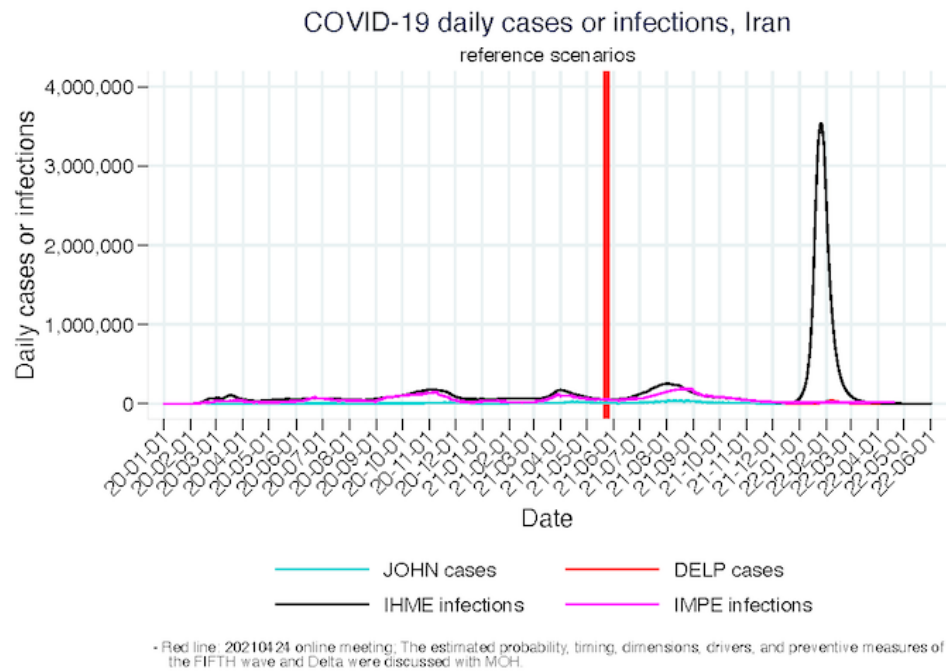
(8) Iran Daily cases or infections, 2021 on

COVID-19 daily cases or infections, Iran
2021 on, reference scenarios

- Red line: 20210124 online meeting; The estimated probability, timing, dimensions, drivers, and preventive measures of the FIFTH wave and Delta were discussed with MOH.
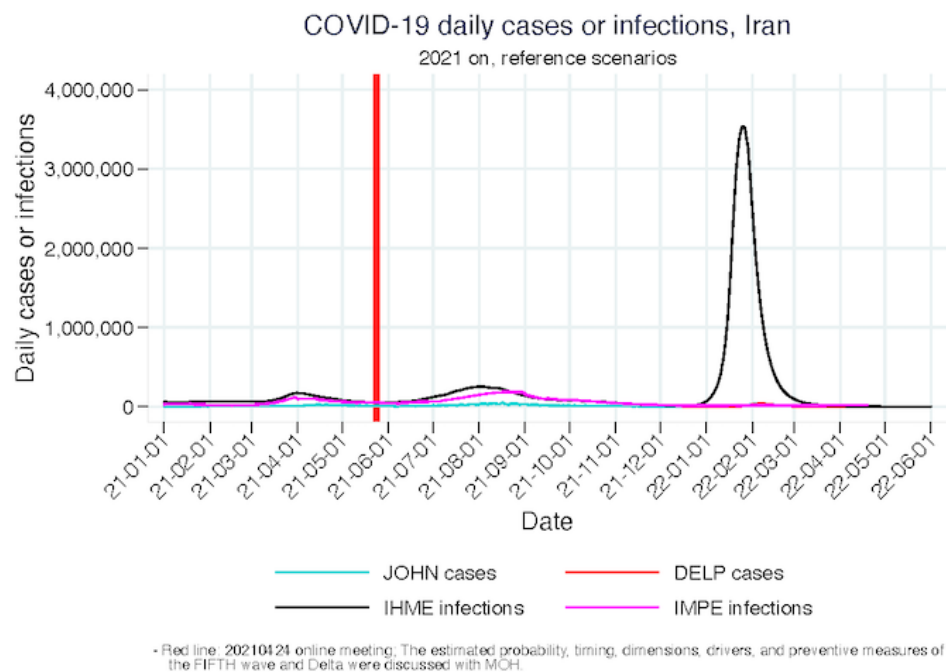
(8b) Iran Daily cases, 2021 on

COVID-19 daily cases, Iran
2021 on, reference scenarios

Legend:
- JOHN cases raw
- JOHN cases smooth
- DELP cases

- Red line: 20210124 online meeting; The estimated probability, timing, dimensions, drivers, and preventive measures of the FIFTH wave and Delta were discussed with MOH.
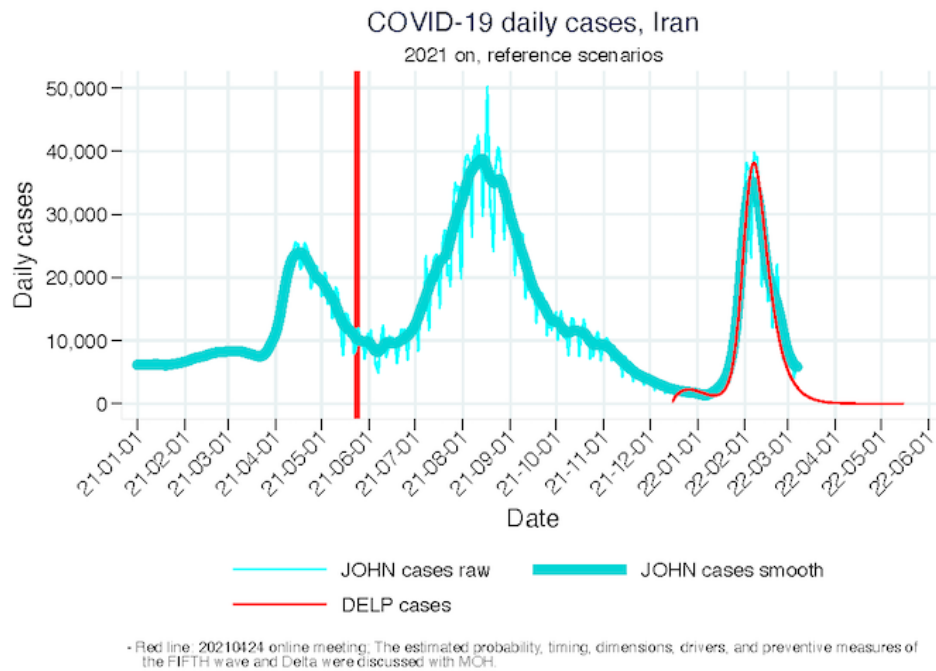
(8c) Iran Daily estimated infections IHME to reported cases JOHN, main scenarios, 2021 on

COVID-19 daily estimated infections to reported cases, Iran
reference scenarios

Legend:
- IHME
- IMPE
- IHME smooth
- IMPE smooth
- IHME smooth meadian
- IMPE smooth meadian

IHME smooth median 2021 on = 8; IMPE smooth median 2021 on = 5
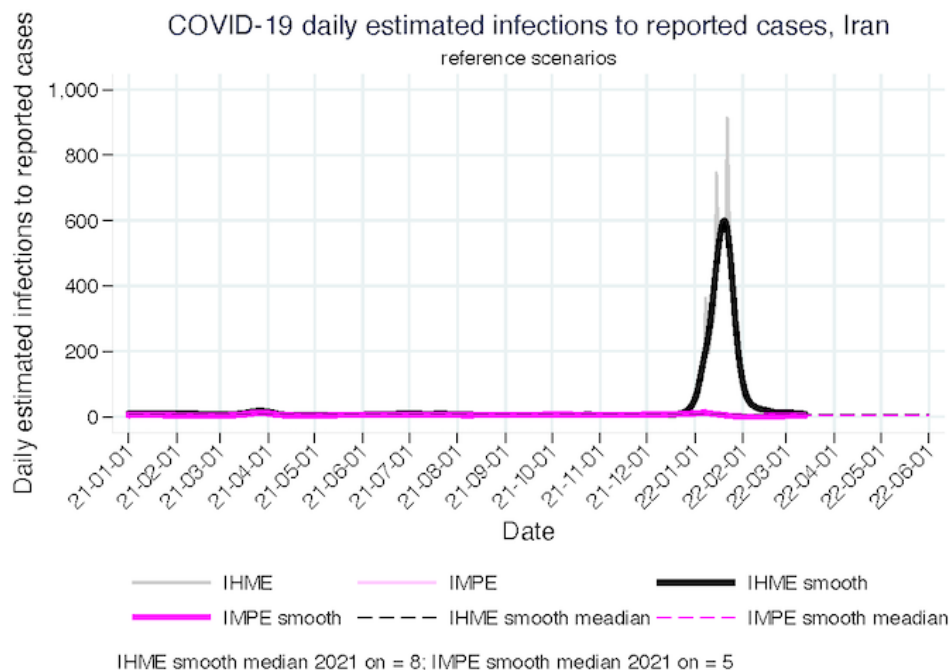
(9) Iran Hospital-related outcomes, all time

COVID-19 daily hospital-related outcomes Iran

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

(10) Iran Hospital-related outcomes, 2021 on

COVID-19 daily hospital-related outcomes Iran
2021 on, without IHME Bed need, IMPE Hosp demand, reference scenarios

- Uncertainty limits: dashed curves
- Red line: 20210124 online meeting; The estimated probability, timing, dimensions, drivers, and preventive measures of the FIFTH wave and Delta were discussed with MOH.
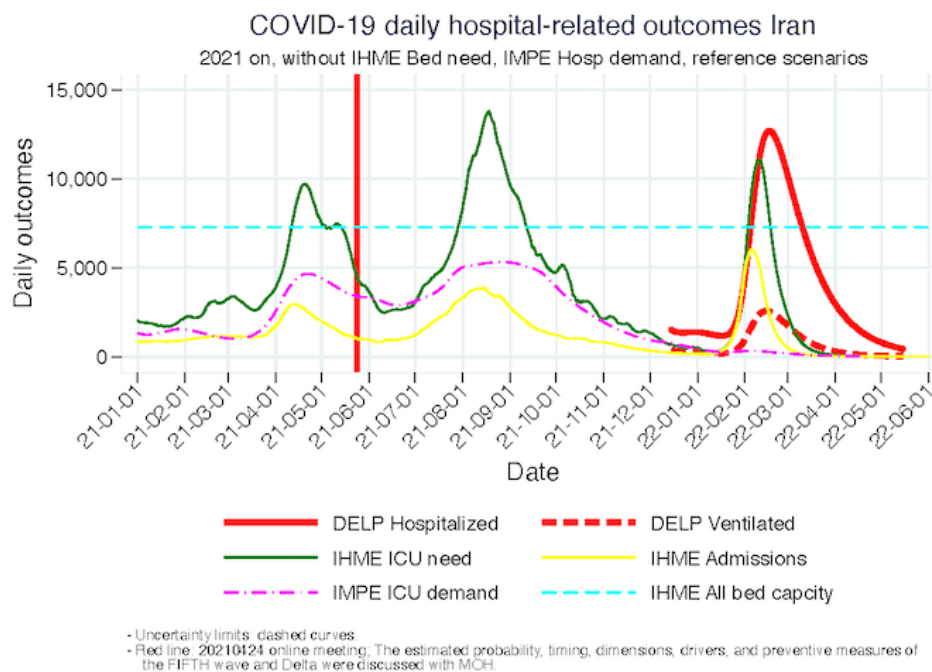
(11) Iran Daily deaths estimated to reported, all time

COVID-19 daily deaths, estimated to reported, Iran
reference scenarios
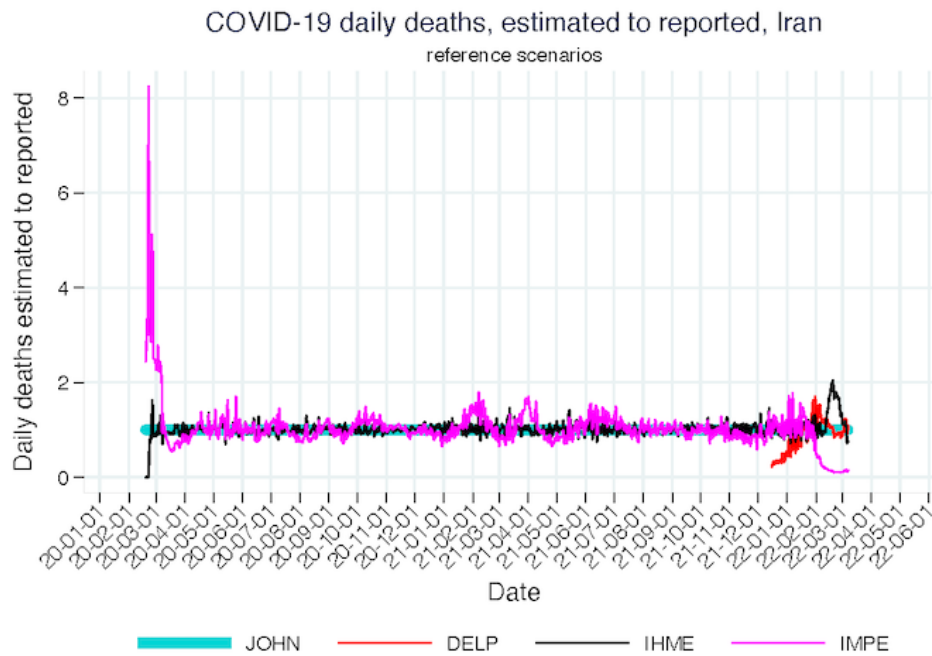
(12) Iran Daily cases or infections estimated to reported cases, 2021 on
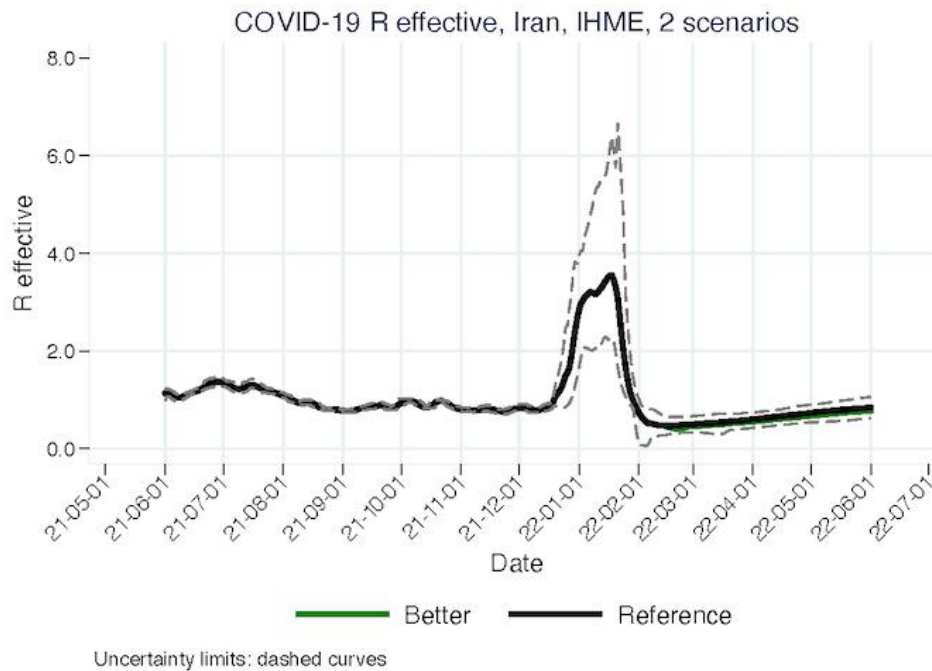

COVID-19 daily cases estimated to reported, Iran
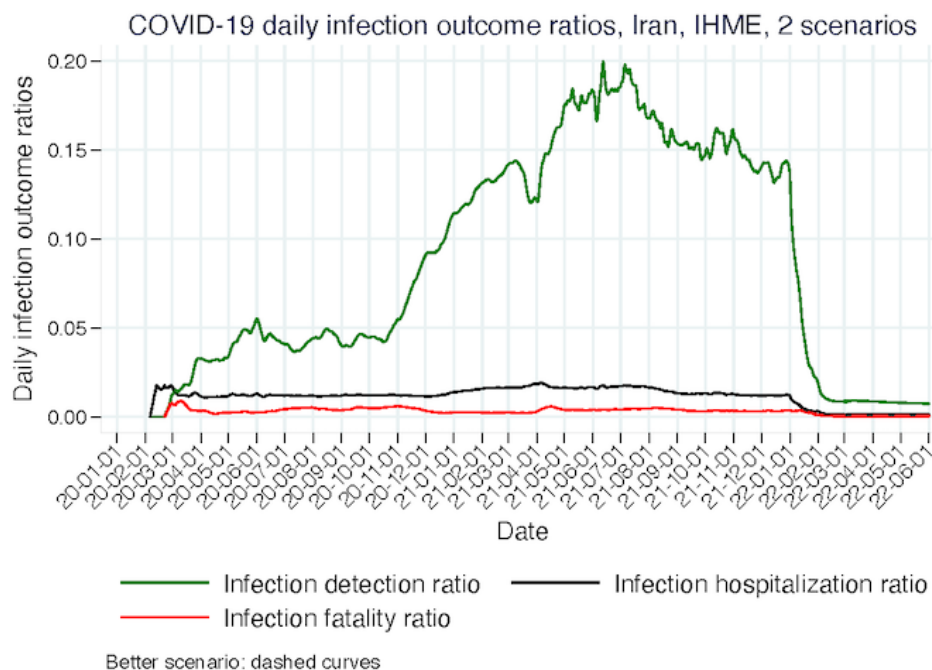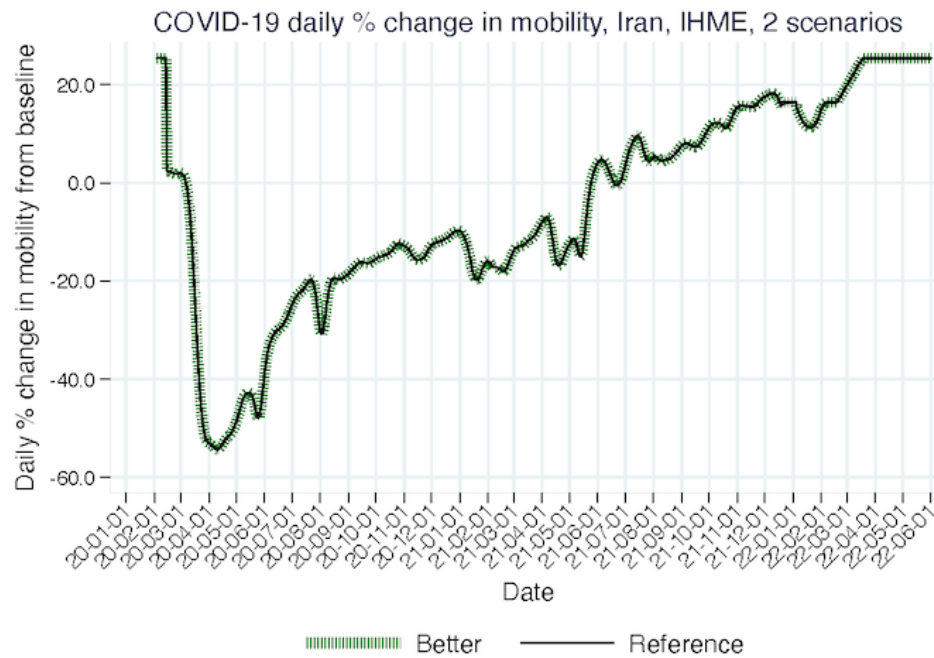daily cases or infections estimated, to reported cases; reference scenarios
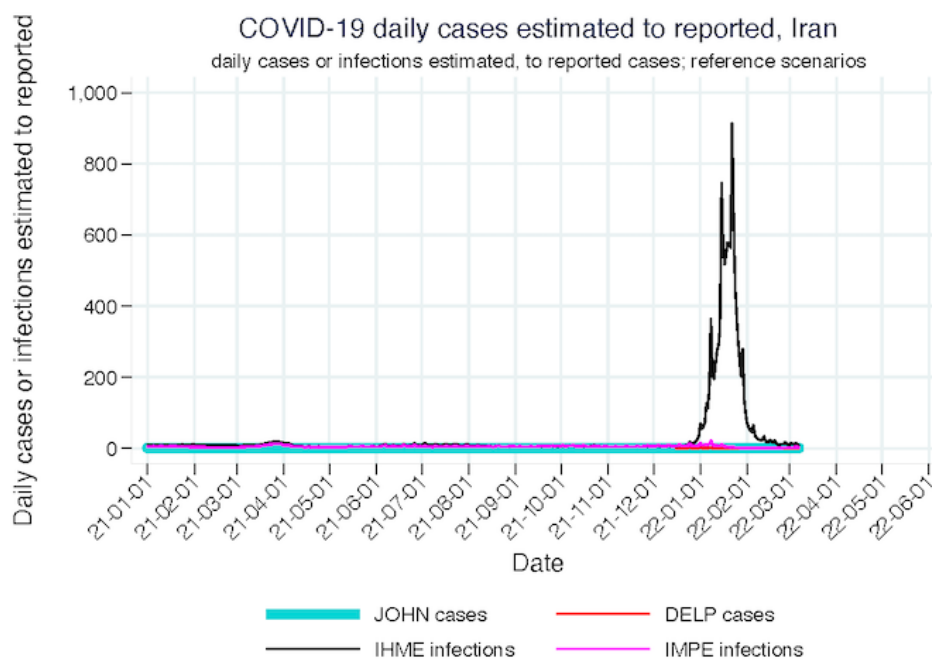
(13) Iran R effective, 2 scenarios, 2021 on, IHME

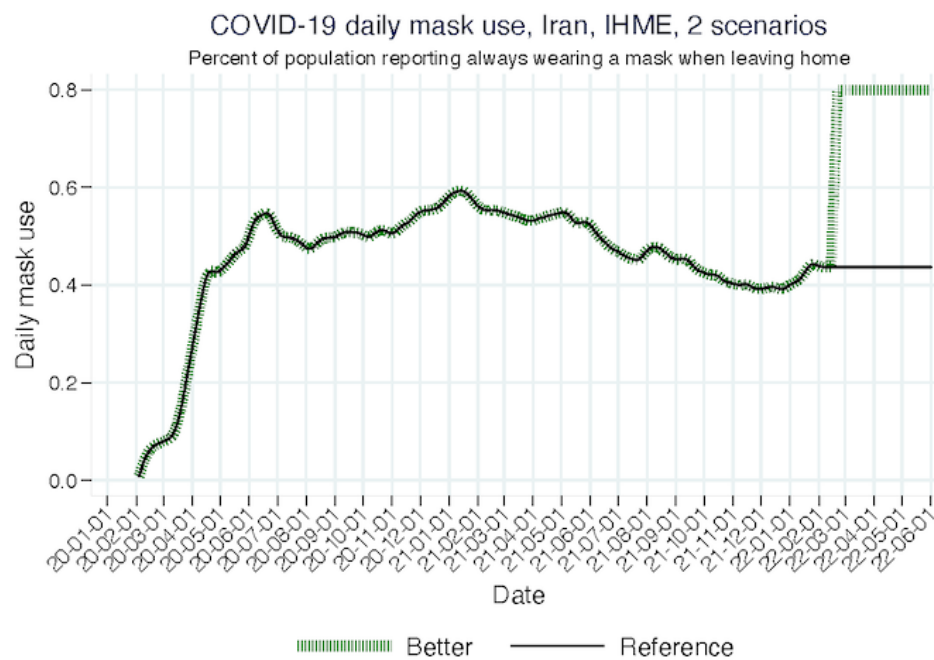(14) Iran Daily Infection-outcome ratios, 2 scenarios, 2021 on, IHME

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

COVID-19 daily % change in mobility, Iran, IHME, 2 scenarios

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

COVID-19 daily mask use, Iran, IHME, 2 scenarios
Percent of population reporting always wearing a mask when leaving home

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

COVID-19 cumulative vaccinated percent, Iran, IHME, 2 scenarios

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