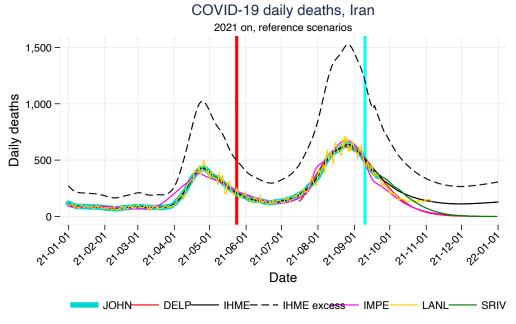


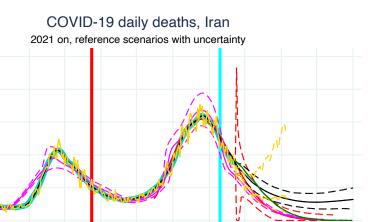
Red line: 20210424 online meeting; The estimated probability, timing, dimensions, drivers, and preventive measures of the FIFTH wave and Delta were discussed with MOH.

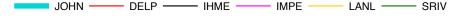
Cyan line: 20210910; Travel restrictions to Iraq, surveillance of variants, inter alia, to delay and attenuate the SIXTH wave, Lambda, and +/- Mu, relayed to the new MOH.



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

Cyan line: 20210910; Travel restrictions to Iraq, surveillance of variants, inter alia, to delay and attenuate the SIXTH wave, Lambda, and +/- Mu, relayed to the new MOH.





Date

1,000 -

800 -

600 -

400 -

200 -

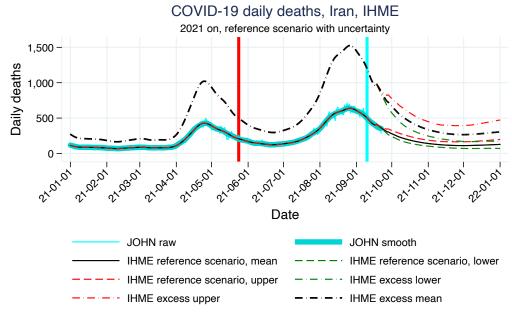
0 -

Daily deaths

<sup>-</sup> 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.

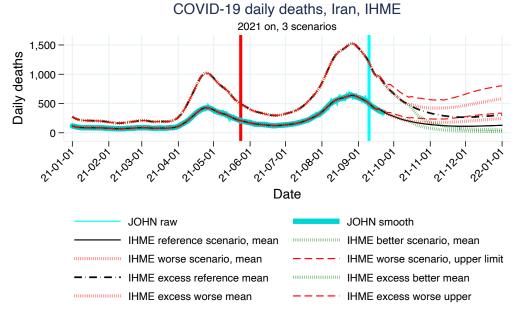
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<sup>-</sup> Uncertainty limits: dashed (- - -) curves

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

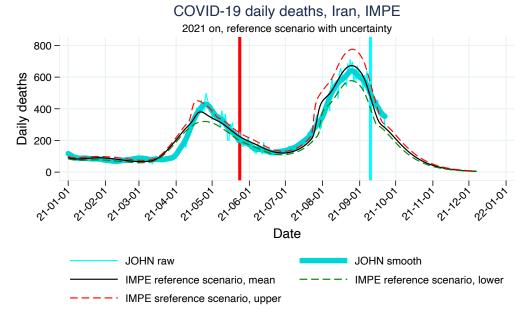
Cyan line: 20210910; Travel restrictions to Iraq, surveillance of variants, inter alia, to delay and attenuate the SIXTH wave, Lambda, and +/- Mu, relayed to the new MOH.



<sup>-</sup> 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.

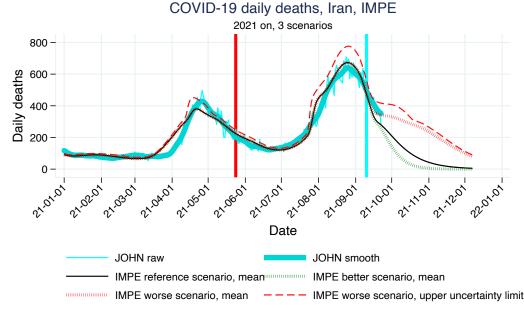
Cyan line: 20210910; Travel restrictions to Iraq, surveillance of variants, inter alia, to delay and attenuate the SIXTH wave, Lambda, and +/- Mu, relayed to the new MOH.



<sup>-</sup> 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.

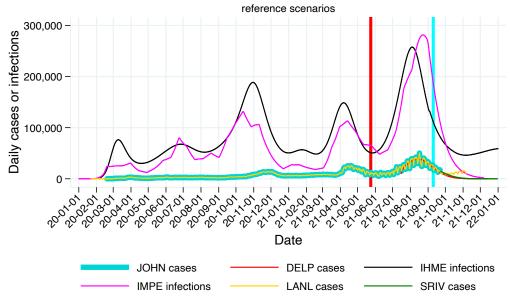
Cyan line: 20210910; Travel restrictions to Iraq, surveillance of variants, inter alia, to delay and attenuate the SIXTH wave, Lambda, and +/- Mu, relayed to the new MOH.



<sup>-</sup> 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.

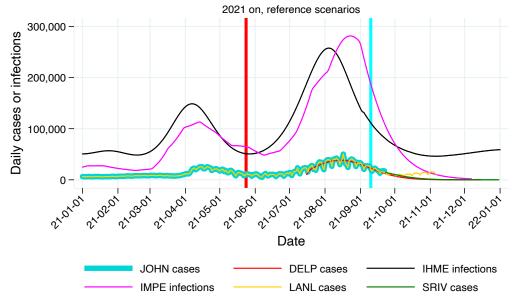
<sup>-</sup> Cyan line: 20210910; Travel restrictions to Iraq, surveillance of variants, inter alia, to delay and attenuate the SIXTH wave, Lambda, and +/- Mu, relayed to the new MOH.

#### COVID-19 daily cases or infections, Iran



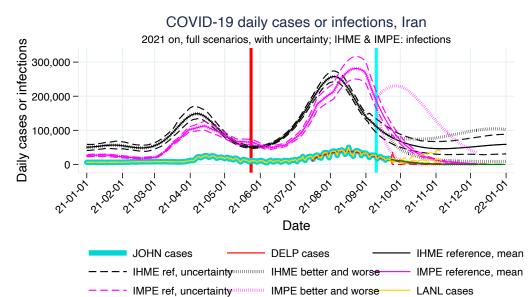
- Red line: 20210424 online meeting; The estimated probability, timing, dimensions, drivers, and preventive measures of the FIFTH wave and Delta were discussed with MOH.
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#### COVID-19 daily cases or infections, Iran



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

Cyan line: 20210910; Travel restrictions to Iraq, inter alia, to delay and attenuate the SIXTH wave, Lambda, +/- Mu, relayed to the new MOH.

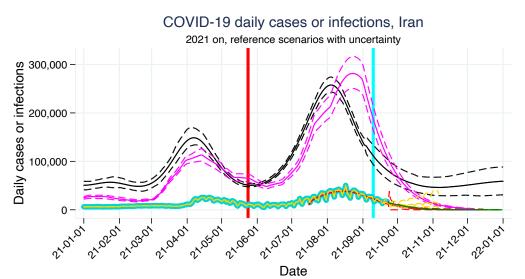


- Uncertainty limits: dashed (---) curves; Better and worse scenarios: tight dot (IIIII) curves.

SRIV cases

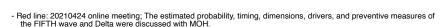
 Cyan line: 20210910; Travel restrictions to Iraq, surveillance of variants, inter alia, to delay and attenuate the SIXTH wave, Lambda, and +/- Mu, relayed to the new MOH.

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



JOHN cases

IMPF infections



 Cyan line: 20210910; Travel restrictions to Iraq, surveillance of variants, inter alia, to delay and attenuate the SIXTH wave, Lambda, and +/- Mu, relayed to the new MOH.

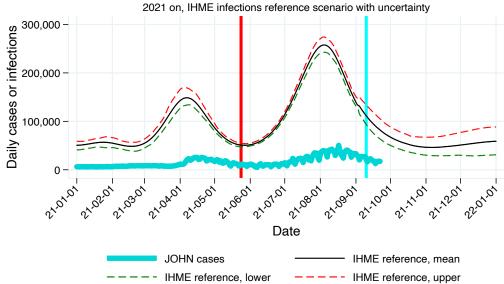
**DELP** cases

LANL cases

IHME infections

SRIV cases

## COVID-19 daily cases JOHN, and infections IHME, Iran

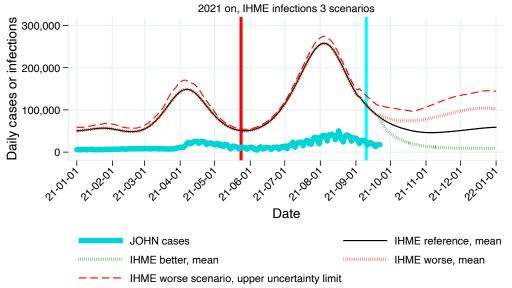


<sup>-</sup> Uncertainty limits: dashed (- - -) curves.

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

Cyan line: 20210910; Travel restrictions to Iraq, surveillance of variants, inter alia, to delay and attenuate the SIXTH wave, Lambda, and +/- Mu, relayed to the new MOH.

#### COVID-19 daily JOHN, and infections IHME, Iran

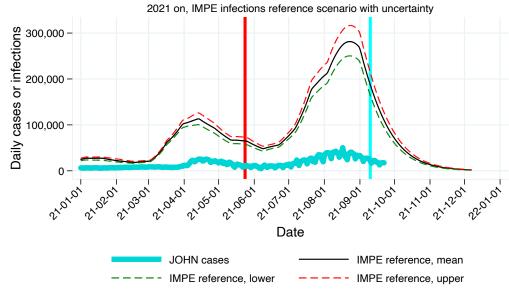


- Better and worse scenarios: tight dot (IIIII) curves; Uncertainty limits: dashed (- - -) curves.

 Cyan line: 20210910; Travel restrictions to Iraq, surveillance of variants, inter alia, to delay and attenuate the SIXTH wave, Lambda, and +/- Mu, relayed to the new MOH.

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

#### COVID-19 daily cases JOHN, and infections IMPE, Iran

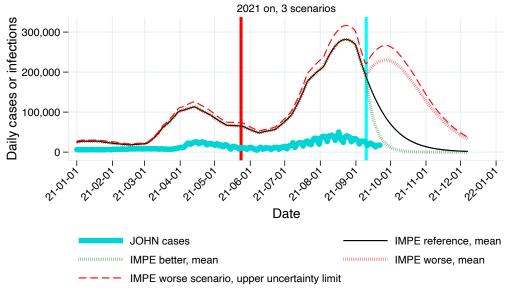


<sup>-</sup> Uncertainty limits: dashed (- - -) curves.

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

Cyan line: 20210910; Travel restrictions to Iraq, surveillance of variants, inter alia, to delay and attenuate the SIXTH wave, Lambda, and +/- Mu, relayed to the new MOH.

#### COVID-19 daily JOHN, and infections IMPE, Iran

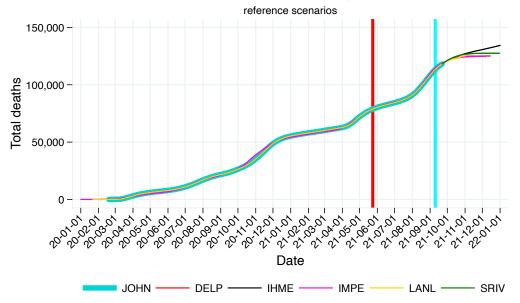


- Better and worse scenarios: tight dot (IIIII) curves; Uncertainty limits: dashed (- - -) curves.

 Cyan line: 20210910; Travel restrictions to Iraq, surveillance of variants, inter alia, to delay and attenuate the SIXTH wave, Lambda, and +/- Mu, relayed to the new MOH.

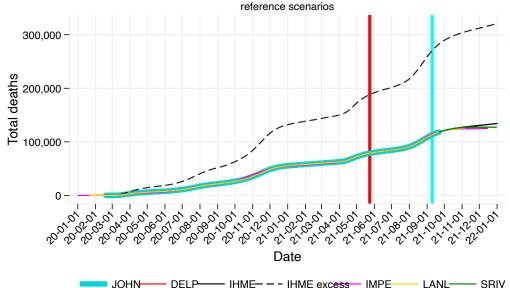
Red line: 20210424 online meeting; The estimated probability, timing, dimensions, drivers, and preventive measures of the FIFTH wave and Delta were discussed with MOH.

#### COVID-19 total deaths, Iran



- Red line: 20210424 online meeting; The estimated probability, timing, dimensions, drivers, and preventive measures of the FIFTH wave and Delta were discussed with MOH.
- Cyan line: 20210910; Travel restrictions to Iraq, surveillance of variants, inter alia, to delay and attenuate the SIXTH wave, Lambda, and +/- Mu, relayed to the new MOH.

# COVID-19 total deaths, Iran

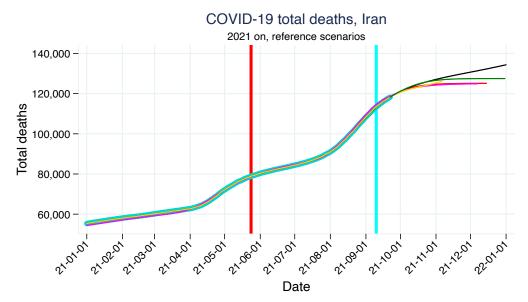


**JOHN** 

- Red line: 20210424 online meeting; The estimated probability, timing, dimensions, drivers, and preventive measures of the FIFTH wave and Delta were discussed with MOH.
- Cyan line: 20210910; Travel restrictions to Iraq, surveillance of variants, inter alia, to delay and attenuate the SIXTH wave, Lambda, and +/- Mu, relayed to the new MOH.

LANL:

SRIV



DELP ——

JOHN ——

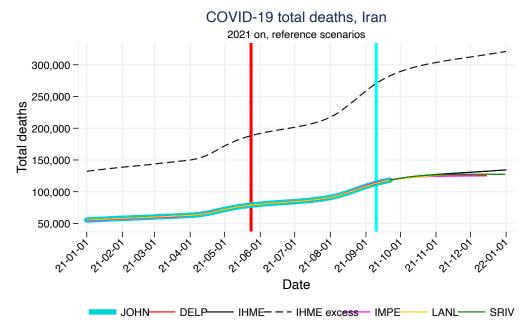
- Red line: 20210424 online meeting; The estimated probability, timing, dimensions, drivers, and preventive measures of the FIFTH wave and Delta were discussed with MOH.
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IHME ——

IMPE

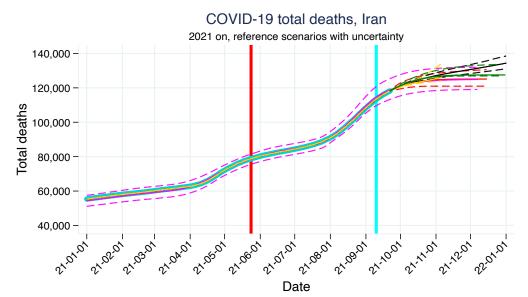
LANL -

SRIV



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

Cyan line: 20210910; Travel restrictions to Iraq, surveillance of variants, inter alia, to delay and attenuate the SIXTH wave, Lambda, and +/- Mu, relayed to the new MOH.



DELP ——

JOHN ——

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- Cyan line: 20210910; Travel restrictions to Iraq, surveillance of variants, inter alia, to delay and attenuate the SIXTH wave, Lambda, and +/- Mu, relayed to the new MOH.

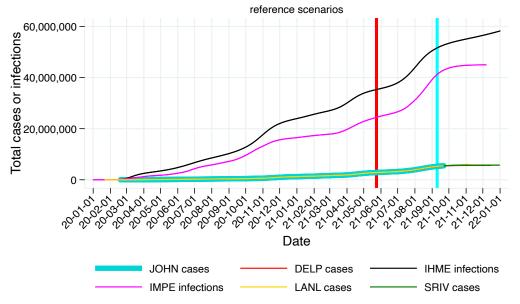
IHME ----

IMPE ·

LANL -

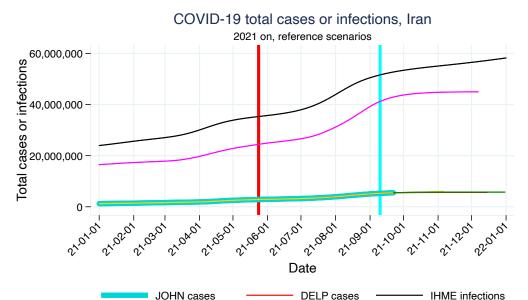
SRIV

#### COVID-19 total cases or infections, Iran



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

Cyan line: 20210910; Travel restrictions to Iraq, surveillance of variants, inter alia, to delay and attenuate the SIXTH wave, Lambda, and +/- Mu, relayed to the new MOH.



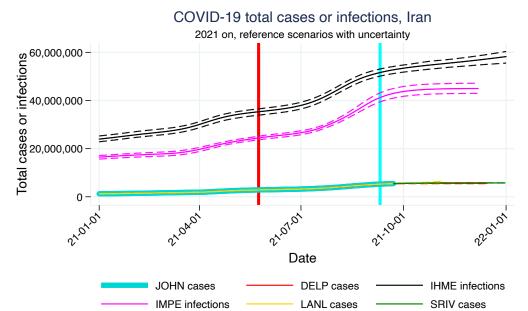
IMPF infections

LANL cases

SRIV cases

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

Cyan line: 20210910; Travel restrictions to Iraq, surveillance of variants, inter alia, to delay and attenuate the SIXTH wave, Lambda, and +/- Mu, relayed to the new MOH.

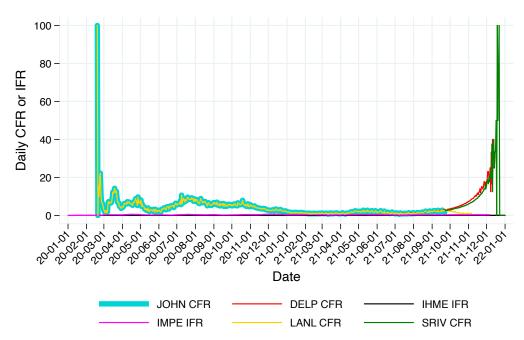


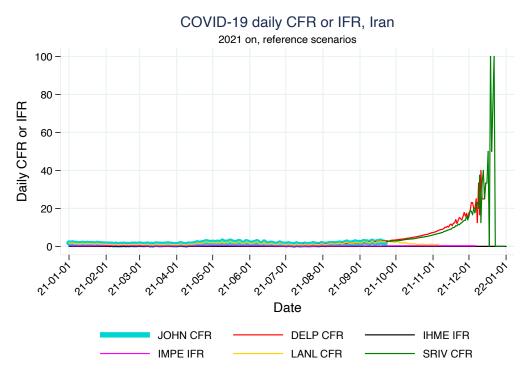
<sup>-</sup> Uncertainty limits: dashed curves.

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

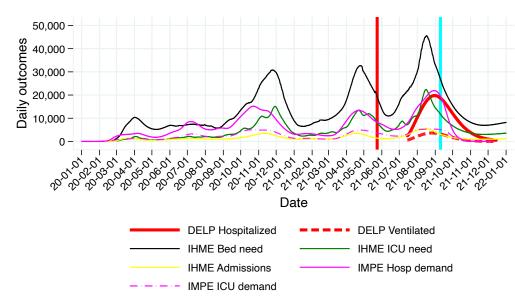
Cyan line: 20210910; Travel restrictions to Iraq, surveillance of variants, inter alia, to delay and attenuate the SIXTH wave, Lambda, and +/- Mu, relayed to the new MOH.

#### COVID-19 daily CFR or IFR, Iran





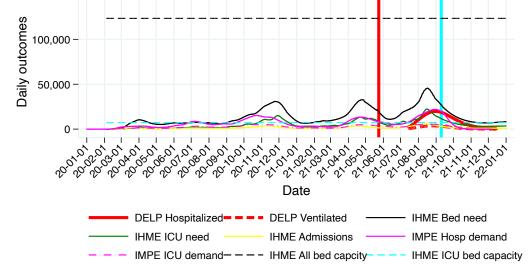
#### COVID-19 daily hospital-related outcomes Iran



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

 Cyan line: 20210910; Travel restrictions to Iraq, surveillance of variants, inter alia, to delay and attenuate the SIXTH wave, Lambda, and +/- Mu, relayed to the new MOH.

#### COVID-19 daily hospital-related outcomes Iran

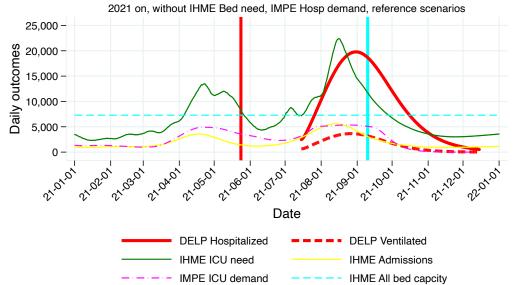


150,000 -

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

Cyan line: 20210910; Travel restrictions to Iraq, surveillance of variants, inter alia, to delay and attenuate the SIXTH wave, Lambda, and +/- Mu, relayed to the new MOH.

#### COVID-19 daily hospital-related outcomes Iran

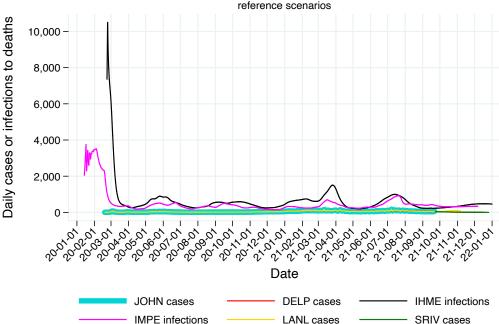


<sup>-</sup> Uncertainty limits: dashed curves.

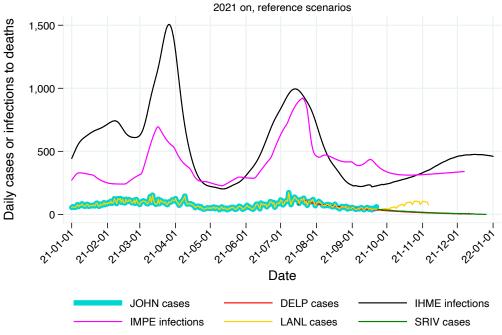
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Cyan line: 20210910; Travel restrictions to Iraq, surveillance of variants, inter alia, to delay and attenuate the SIXTH wave, Lambda, and +/- Mu, relayed to the new MOH.

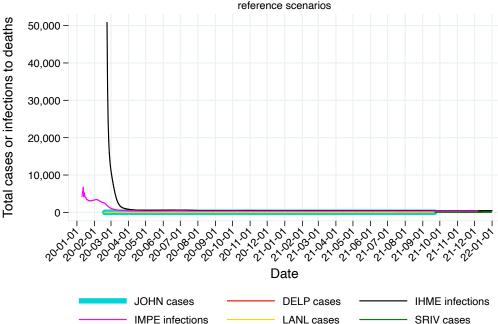


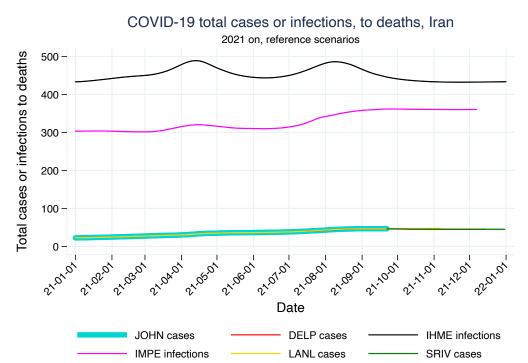


## COVID-19 daily cases or infections, to deaths, Iran

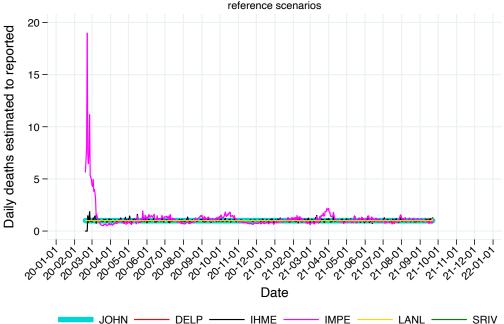


COVID-19 total cases or infections, to deaths, Iran

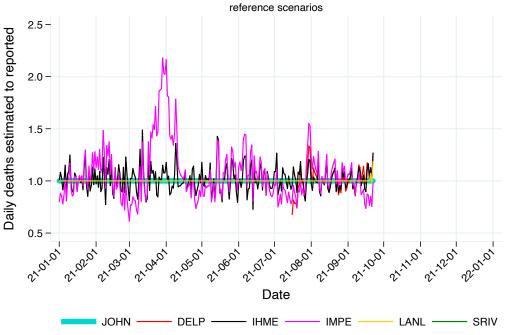




# COVID-19 daily deaths, estimated to reported, Iran



# COVID-19 daily deaths, estimated to reported, Iran

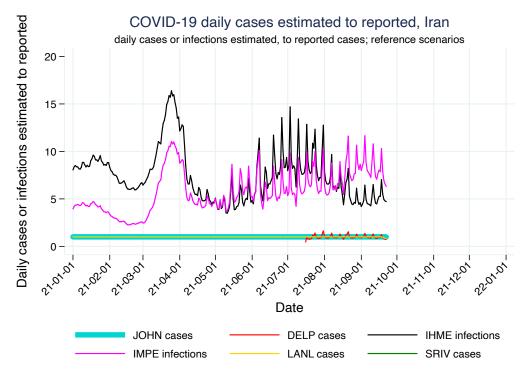


# COVID-19 daily cases estimated to reported, Iran daily cases or infections estimated, to reported cases; reference scenarios 15,000 -10,000 -5,000 -0 -Date JOHN cases **DELP** cases **IHME** infections

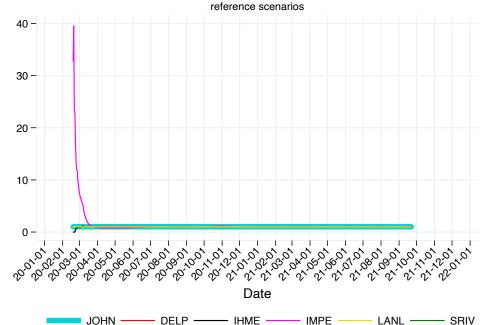
LANL cases

SRIV cases

IMPE infections



# COVID-19 total deaths, estimated to reported, Iran



COVID-19 total deaths, estimated to reported, Iran reference scenarios Total deaths estimated to reported 1.0 -1.0 -1.0 -1.0 -Date

DELP ——

IHME ·

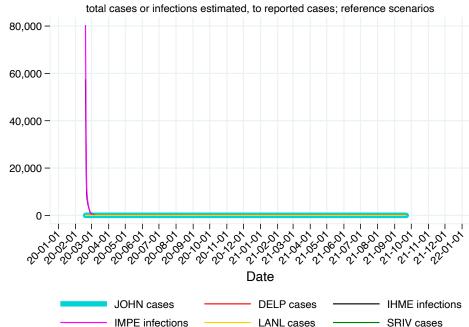
**IMPE** 

LANL

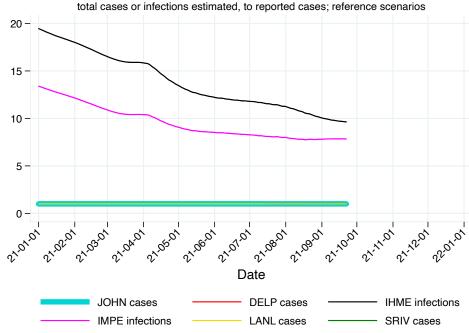
SRIV

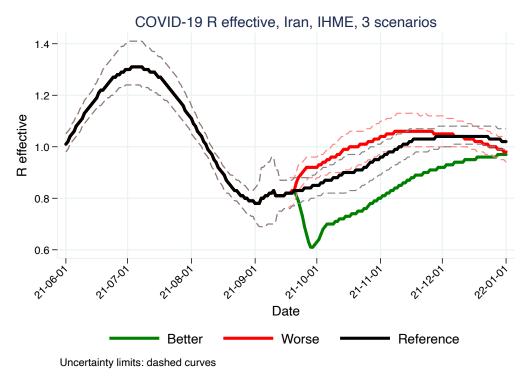
JOHN

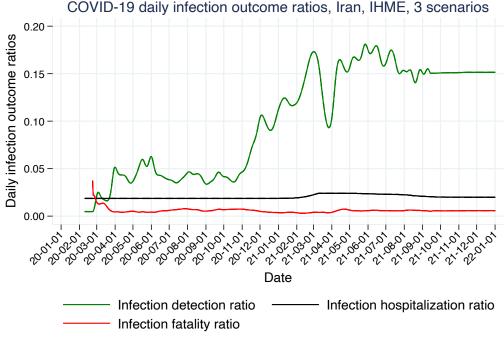
# COVID-19 total cases estimated to reported, Iran



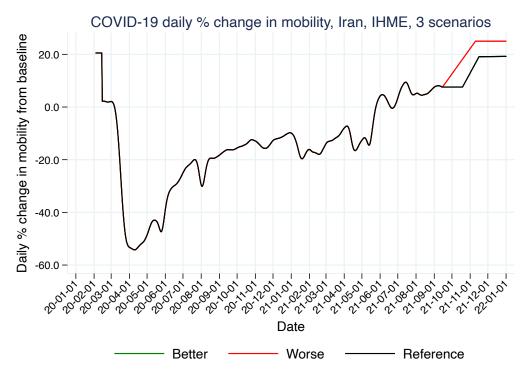
# COVID-19 total cases estimated to reported, Iran



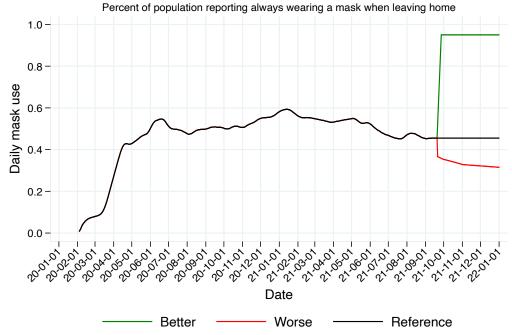


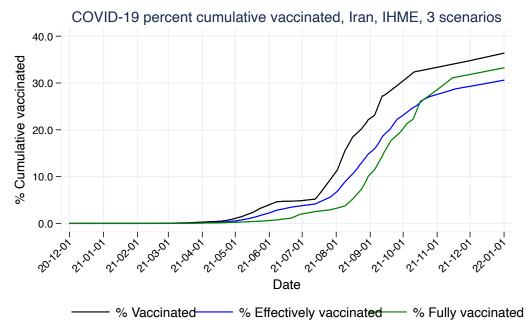


Better and worse scenarios: dashed curves



COVID-19 daily mask use, Iran, IHME, 3 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