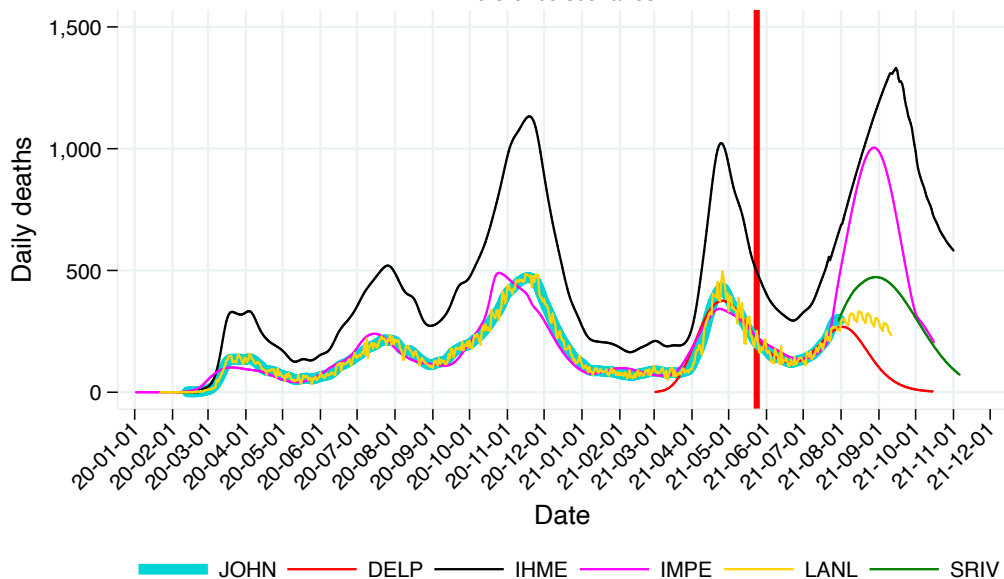


# COVID-19 daily deaths, Iran

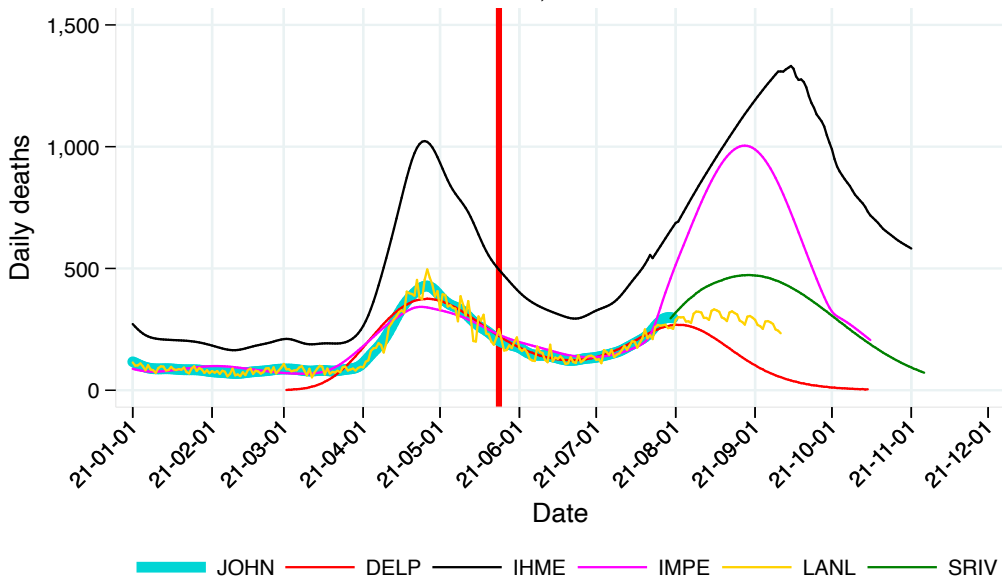
reference scenarios



- Red vertical line: 20210424 online meeting; estimated probability, timing, dimensions, drivers, preventive measures of fifth wave discussed with MOH.

# COVID-19 daily deaths, Iran

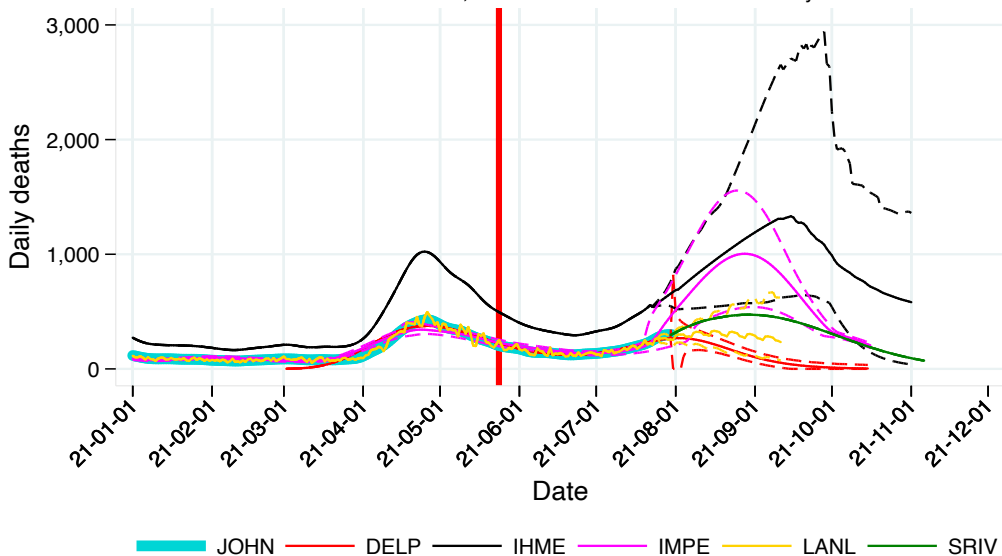
after 2021-01-01, reference scenarios



- Red vertical line: 20210424 online meeting; estimated probability, timing, dimensions, drivers, preventive measures of fifth wave discussed with MOH.

# COVID-19 daily deaths, Iran

after 2021-01-01, reference scenarios with uncertainty

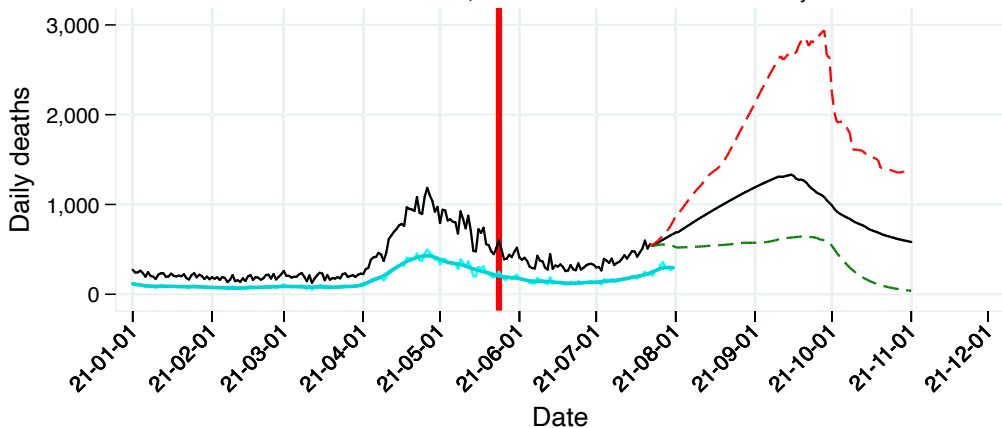


- Uncertainty limits: dashed curves

- Red vertical line: 20210424 online meeting; estimated probability, timing, dimensions, drivers, preventive measures of fifth wave discussed with MOH.

# COVID-19 daily deaths, Iran, IHME

after 2021-01-01, reference scenario with uncertainty



JOHN raw

JOHN smooth

IHME reference scenario, mean

IHME reference scenario, lower

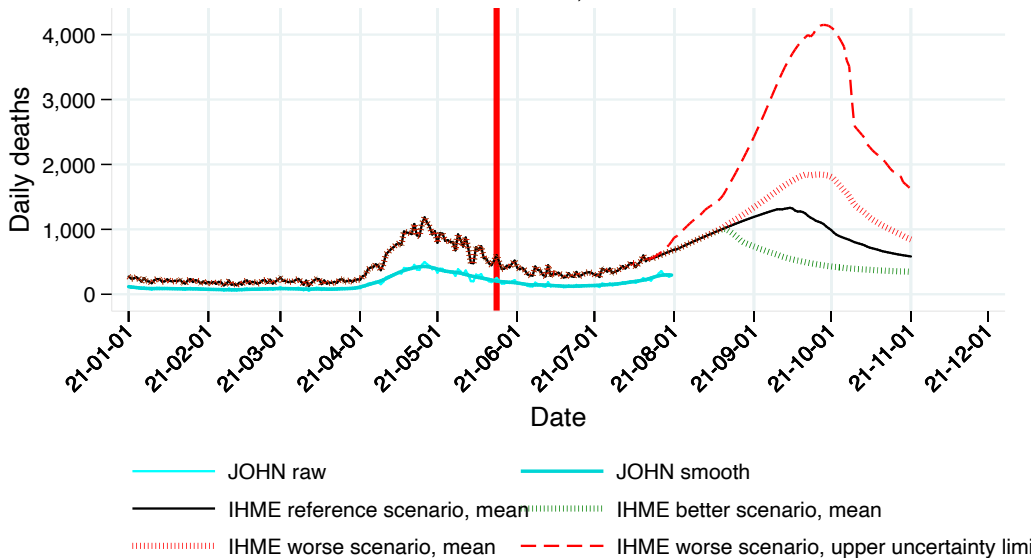
IHME reference scenario, upper

- Uncertainty limits: dashed (— —) curves

- Red vertical line: 20210424 online meeting; estimated probability, timing, dimensions, drivers, preventive measures of fifth wave discussed with MOH.

# COVID-19 daily deaths, Iran, IHME

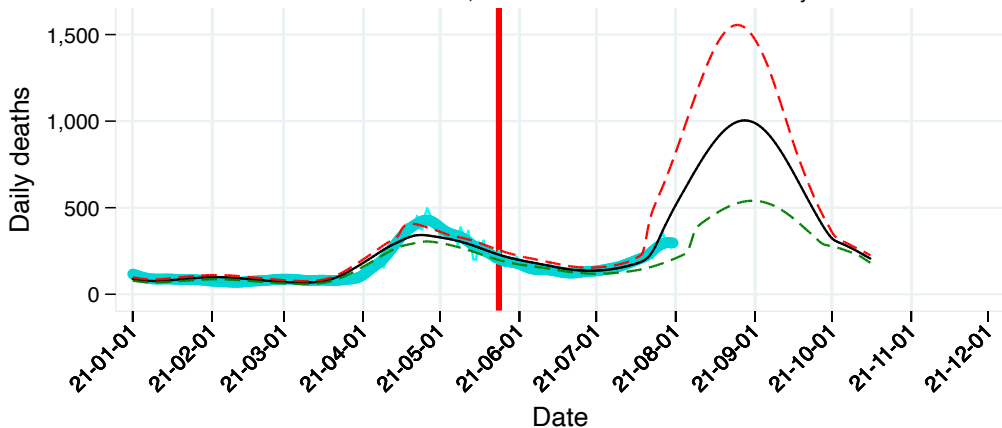
after 2021-01-01, 3 scenarios



- Better and worse scenarios: tight dot (.....) curves; Uncertainty limits: dashed (---) curves.
- Red vertical line: 20210424 online meeting; estimated probability, timing, dimensions, drivers, preventive measures of fifth wave discussed with MOH.

# COVID-19 daily deaths, Iran, IMPE

after 2021-01-01, reference scenario with uncertainty



JOHN raw

JOHN smooth

IMPE reference scenario, mean

IMPE reference scenario, lower

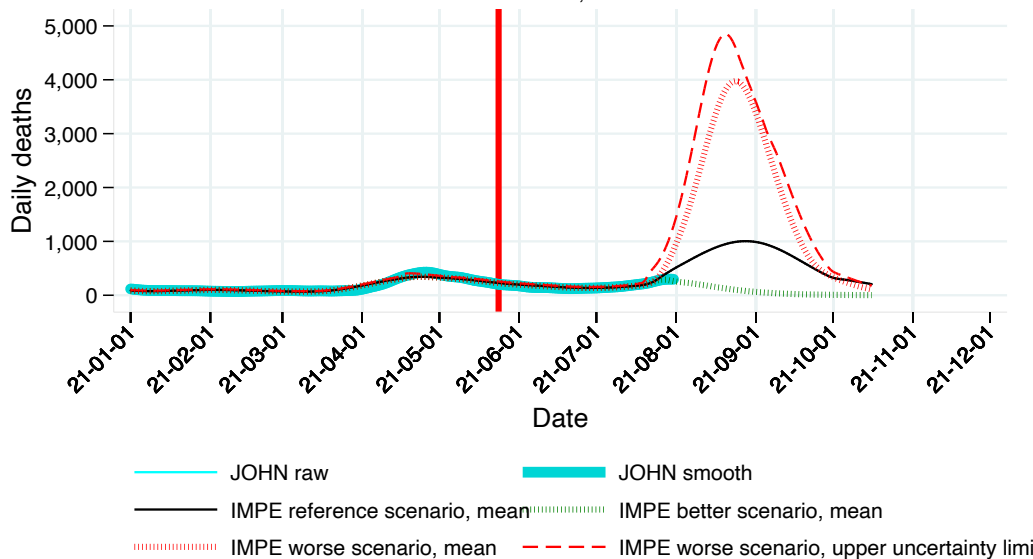
IMPE reference scenario, upper

- Uncertainty limits: dashed (---) curves.

- Red vertical line: 20210424 online meeting; estimated probability, timing, dimensions, drivers, preventive measures of fifth wave discussed with MOH.

# COVID-19 daily deaths, Iran, IMPE

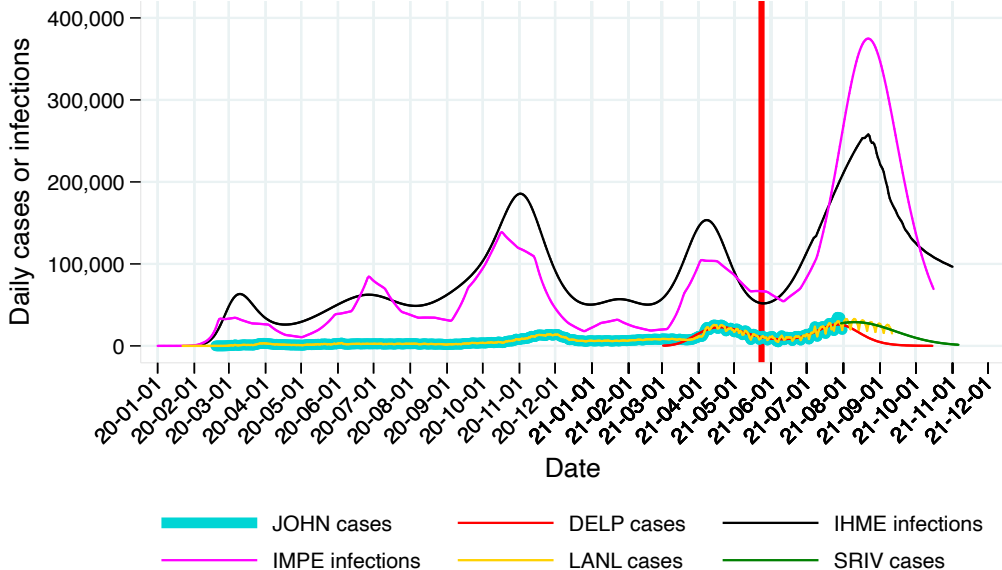
after 2021-01-01, 3 scenarios



- Better and worse scenarios: tight dot (||||) curves; Uncertainty limits: dashed (---) curves.
- Red vertical line: 20210424 online meeting; estimated probability, timing, dimensions, drivers, preventive measures of fifth wave discussed with MOH.

# COVID-19 daily cases or infections, Iran

reference scenarios

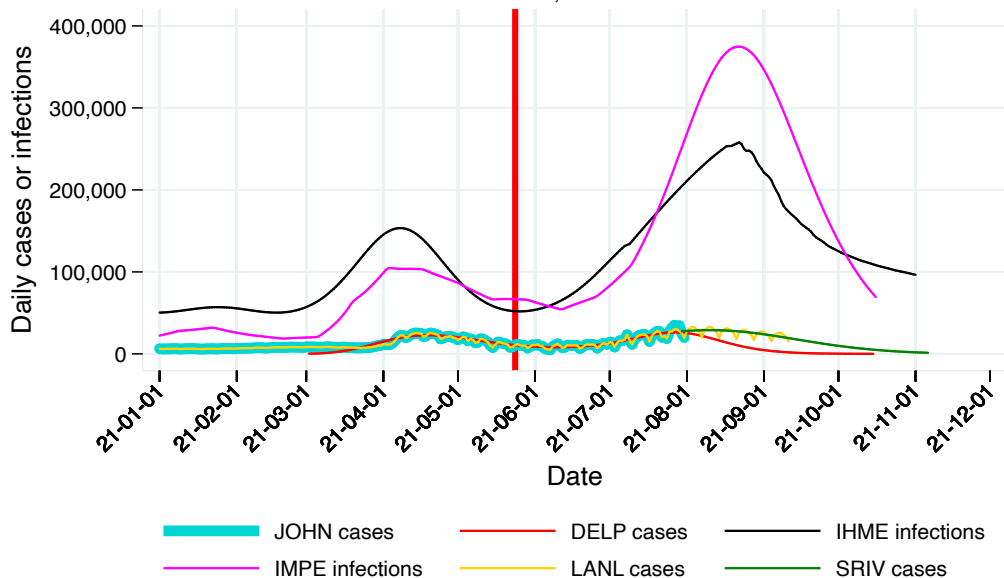


- Red vertical line: 20210424 online meeting; estimated probability, timing, dimensions, drivers, preventive measures of fifth wave discussed with MOH.



# COVID-19 daily cases or infections, Iran

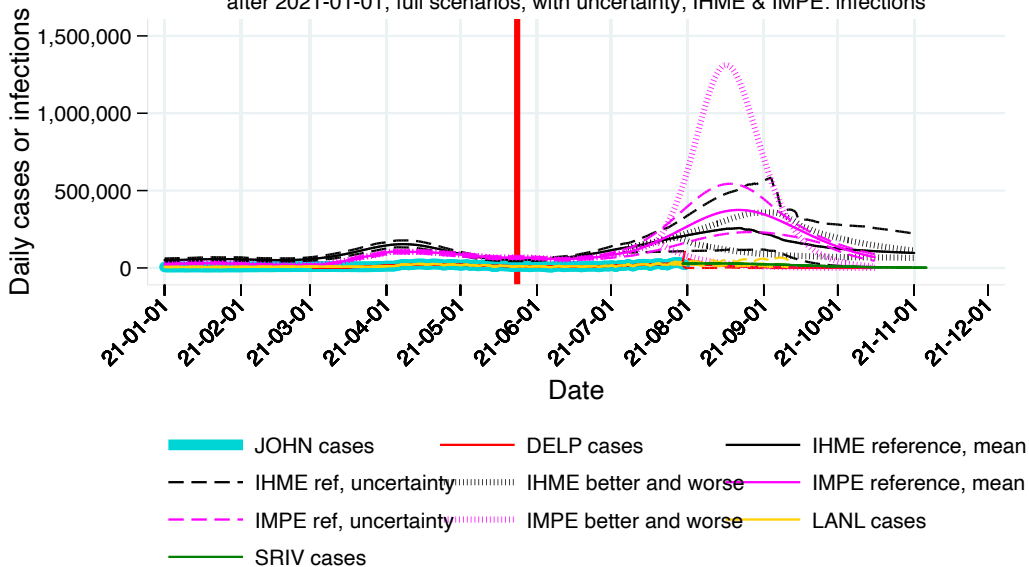
after 2021-01-01, reference scenarios



- Red vertical line: 20210424 online meeting; estimated probability, timing, dimensions, drivers, preventive measures of fifth wave discussed with MOH.

# COVID-19 daily cases or infections, Iran

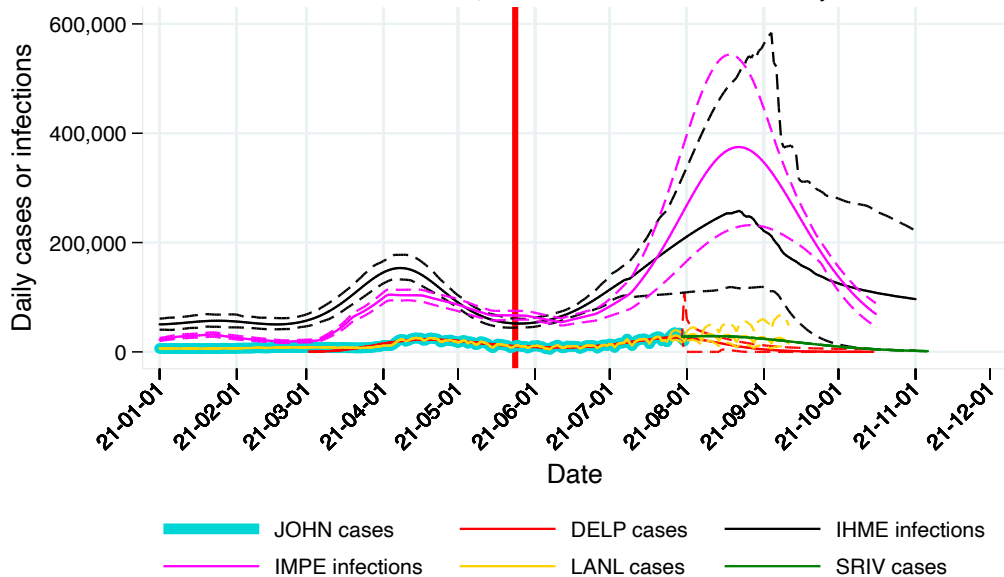
after 2021-01-01, full scenarios, with uncertainty; IHME & IMPE: infections



- Uncertainty limits: dashed (---) curves; Better and worse scenarios: tight dot (IIIII) curves.  
 - Red vertical line: 20210424 online meeting; estimated probability, timing, dimensions, drivers, preventive measures of fifth wave discussed with MOH.

## COVID-19 daily cases or infections, Iran

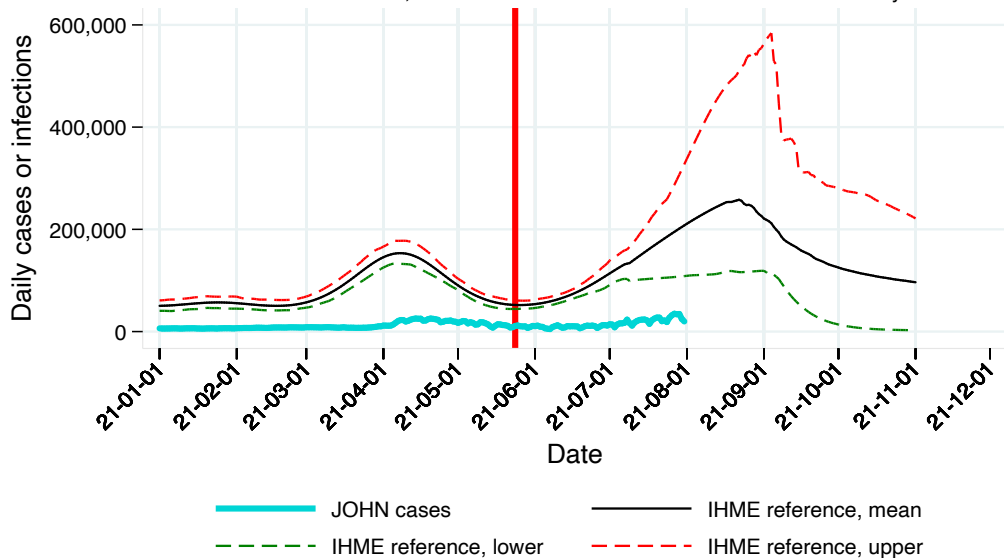
after 2021-01-01, reference scenarios with uncertainty



- Red vertical line: 20210424 online meeting; estimated probability, timing, dimensions, drivers, preventive measures of fifth wave discussed with MOH.

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

after 2021-01-01, IHME infections reference scenario with uncertainty

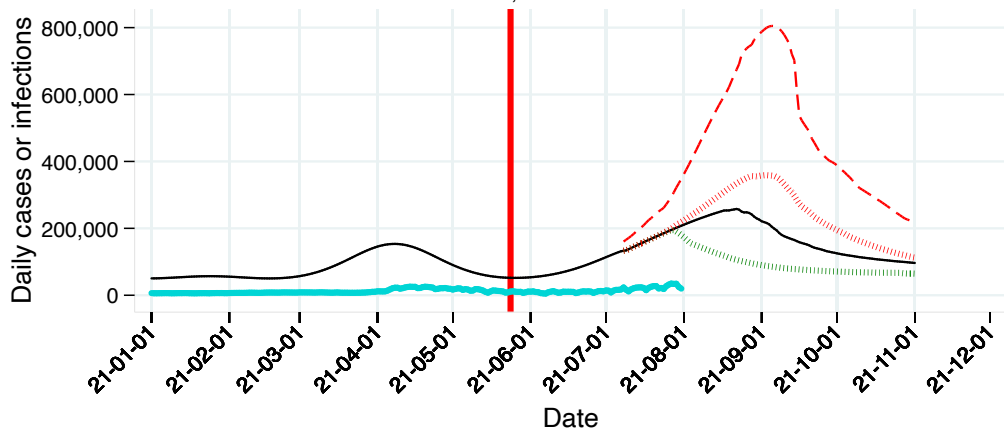


- Uncertainty limits: dashed (---) curves.

- Red vertical line: 20210424 online meeting; estimated probability, timing, dimensions, drivers, preventive measures of fifth wave discussed with MOH.

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

after 2021-01-01, IHME infections 3 scenarios



JOHN cases

IHME better, mean

IHME worse scenario, upper uncertainty limit

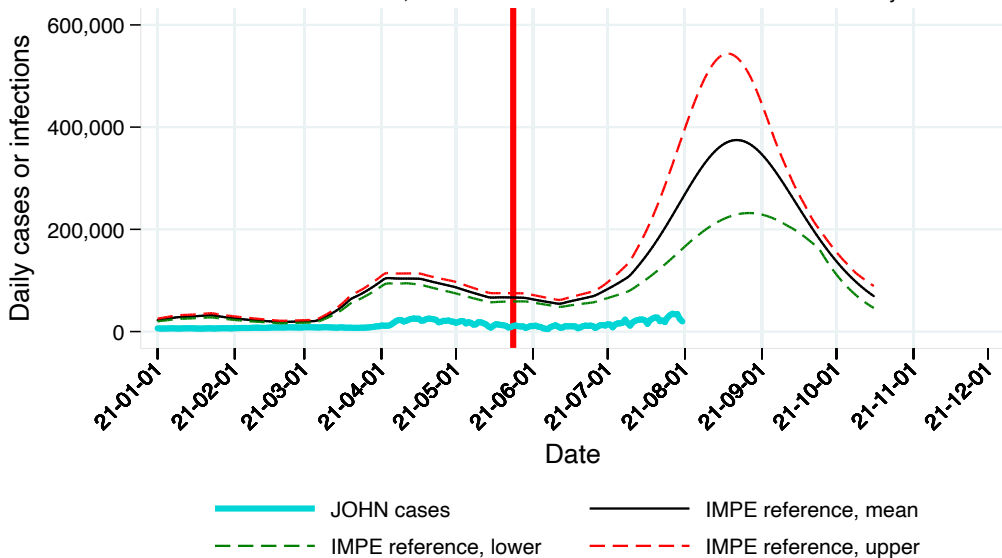
IHME reference, mean

IHME worse, mean

- Better and worse scenarios: tight dot (IIII) curves; Uncertainty limits: dashed (— —) curves.
- Red vertical line: 20210424 online meeting; estimated probability, timing, dimensions, drivers, preventive measures of fifth wave discussed with MOH.

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

after 2021-01-01, IMPE infections reference scenario with uncertainty

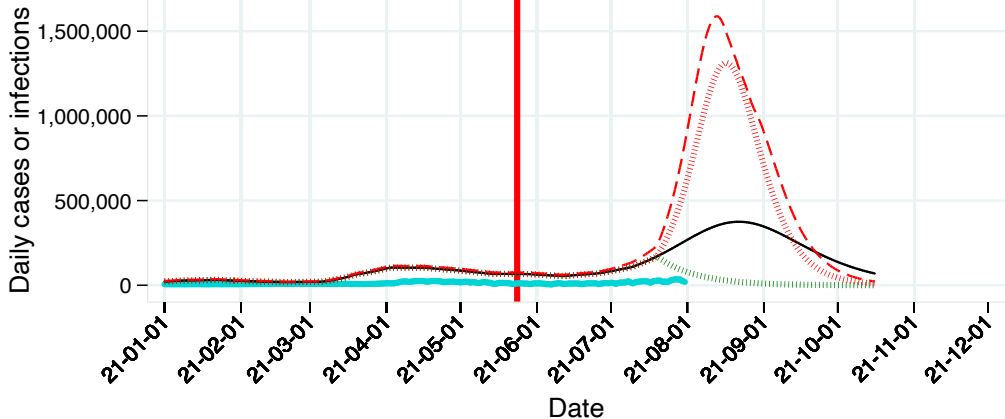


- Uncertainty limits: dashed (---) curves.

- Red vertical line: 20210424 online meeting; estimated probability, timing, dimensions, drivers, preventive measures of fifth wave discussed with MOH.

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

after 2021-01-01, 3 scenarios



— JOHN cases

..... IMPE better, mean

- - - IMPE worse scenario, upper uncertainty limit

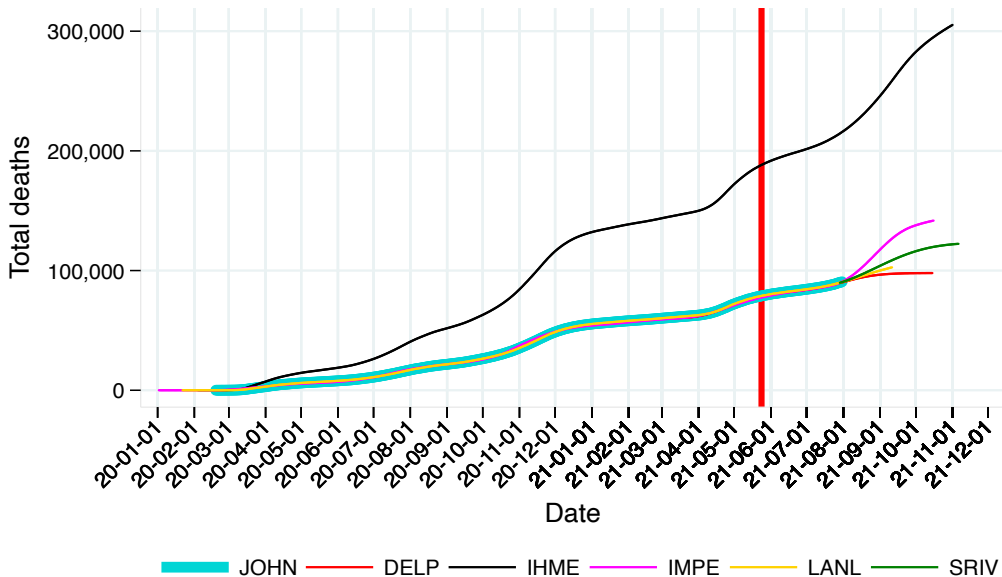
— IMPE reference, mean

..... IMPE worse, mean

- Better and worse scenarios: tight dot (.....) curves; Uncertainty limits: dashed (- - -) curves.
- Red vertical line: 20210424 online meeting; estimated probability, timing, dimensions, drivers, preventive measures of fifth wave discussed with MOH.

# COVID-19 total deaths, Iran

reference scenarios

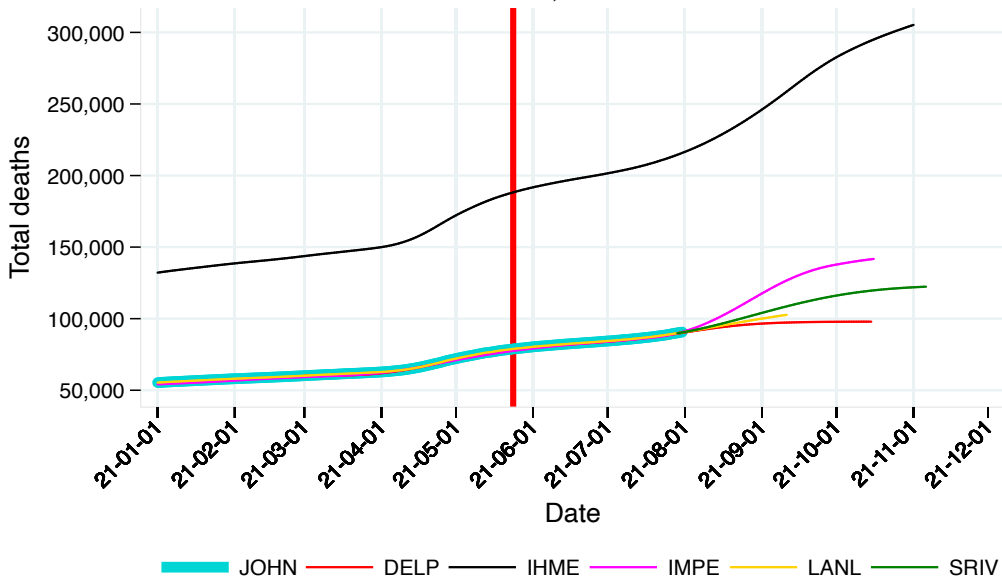


- Red vertical line: 20210424 online meeting; estimated probability, timing, dimensions, drivers, preventive measures of fifth wave discussed with MOH.



# COVID-19 total deaths, Iran

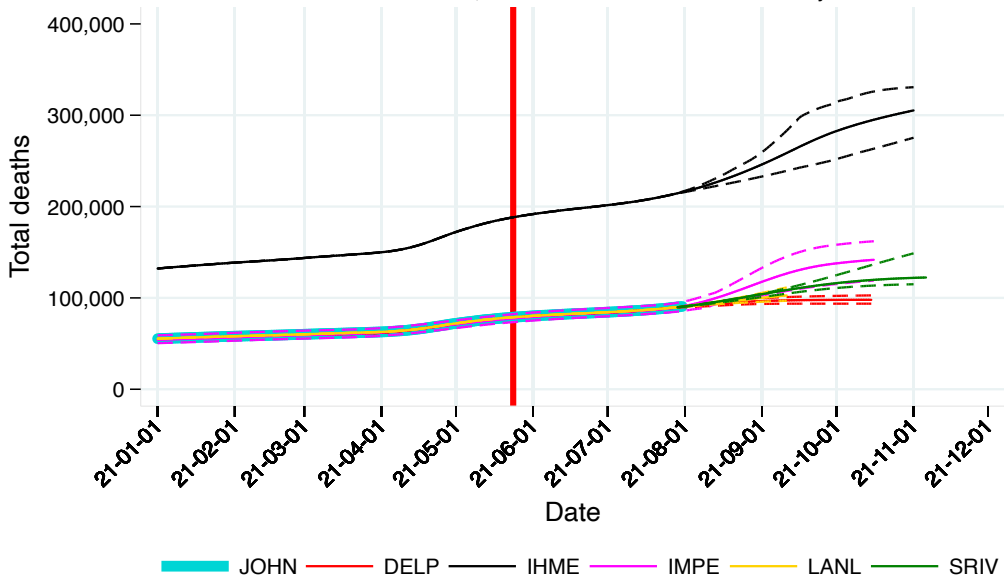
after 2021-01-01, reference scenarios



- Red vertical line: 20210424 online meeting; estimated probability, timing, dimensions, drivers, preventive measures of fifth wave discussed with MOH.

# COVID-19 total deaths, Iran

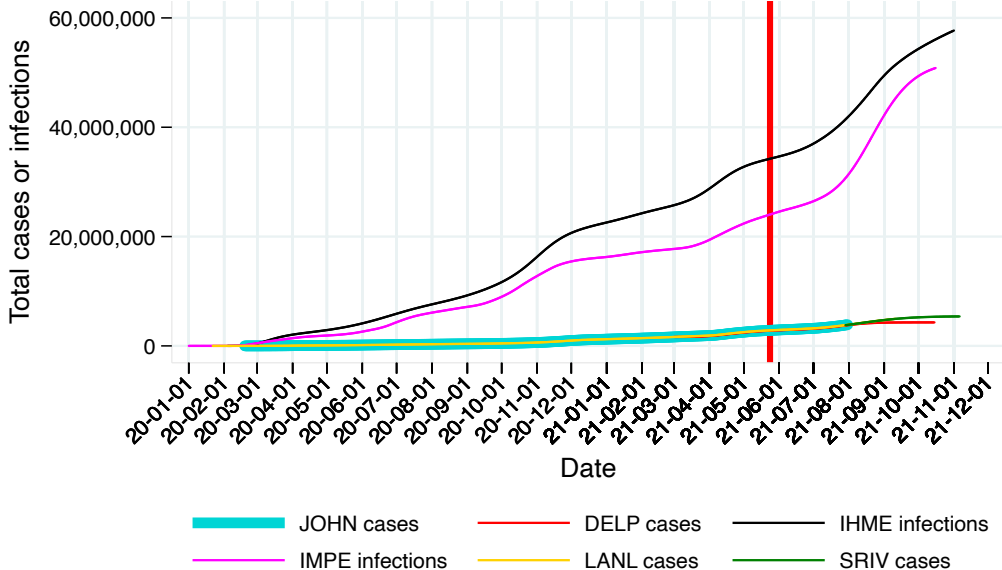
after 2021-01-01, reference scenarios with uncertainty



- Red vertical line: 20210424 online meeting; estimated probability, timing, dimensions, drivers, preventive measures of fifth wave discussed with MOH.

# COVID-19 total cases or infections, Iran

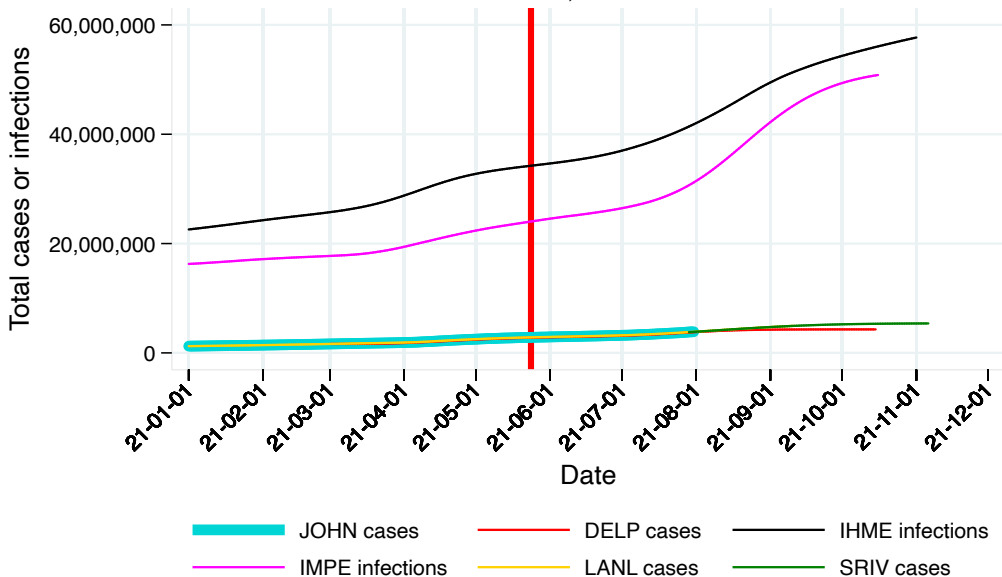
reference scenarios



- Red vertical line: 20210424 online meeting; estimated probability, timing, dimensions, drivers, preventive measures of fifth wave discussed with MOH.

# COVID-19 total cases or infections, Iran

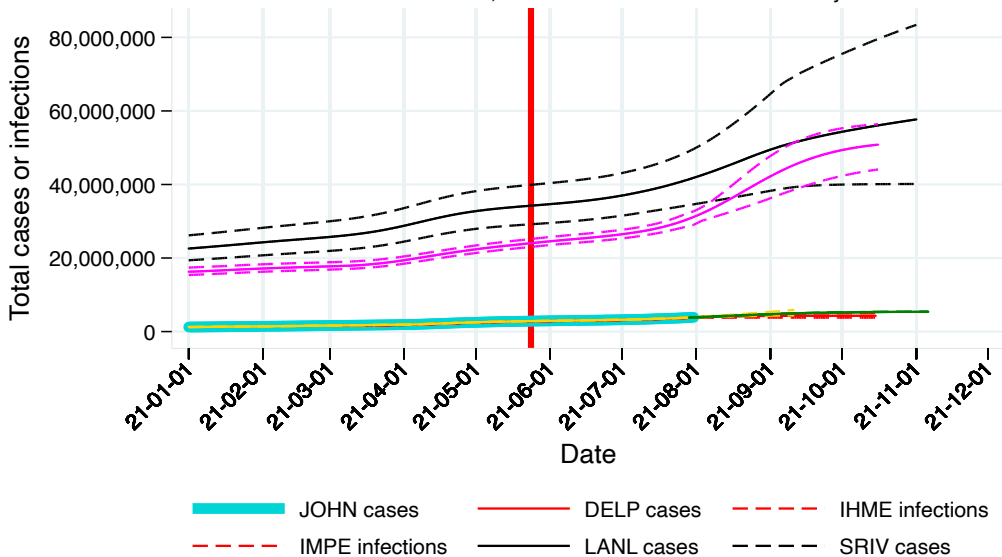
after 2021-01-01, reference scenarios



- Red vertical line: 20210424 online meeting; estimated probability, timing, dimensions, drivers, preventive measures of fifth wave discussed with MOH.

# COVID-19 total cases or infections, Iran

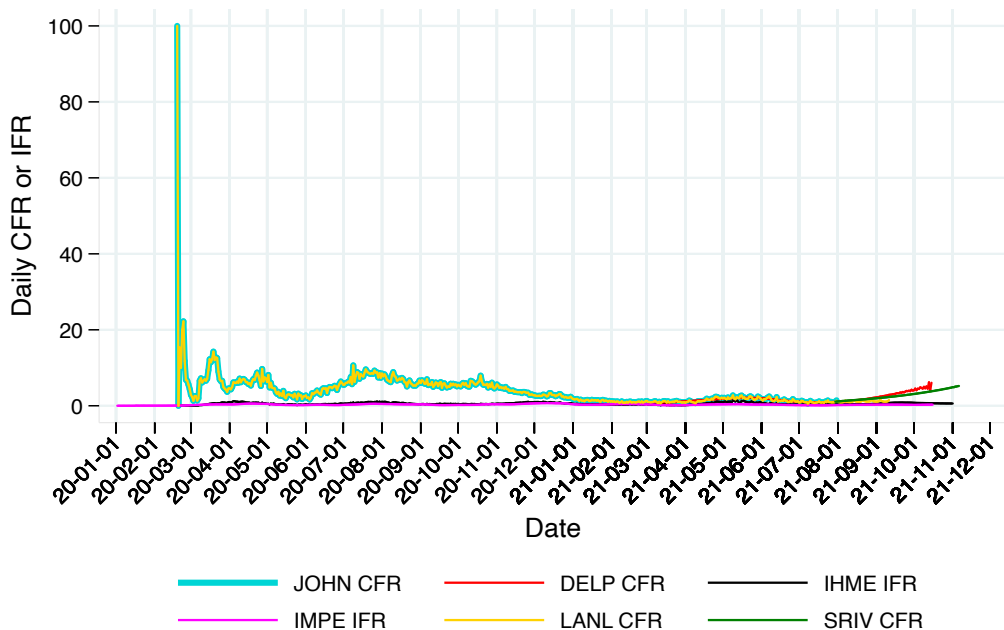
after 2021-01-01, reference scenarios with uncertainty



- Uncertainty limits: dashed curves.

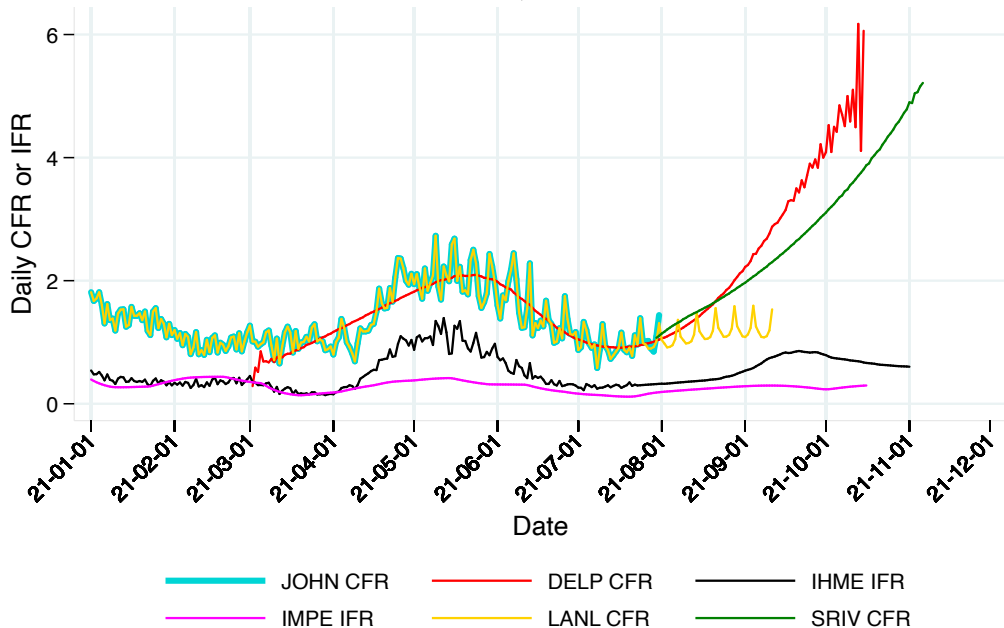
- Red vertical line: 20210424 online meeting; estimated probability, timing, dimensions, drivers, preventive measures of fifth wave discussed with MOH.

## COVID-19 daily CFR or IFR, Iran

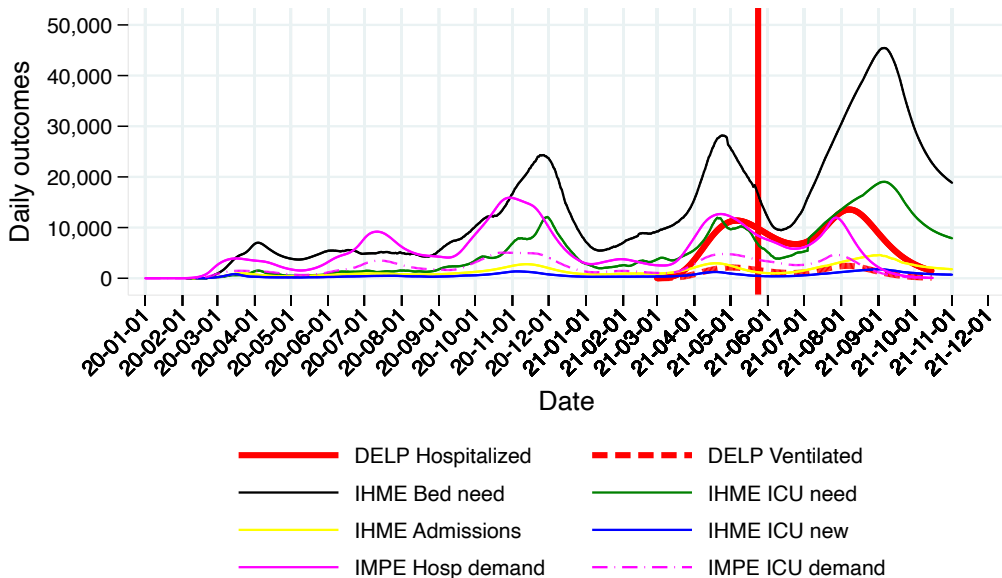


# COVID-19 daily CFR or IFR, Iran

after 2021-01-01, reference scenarios



## COVID-19 daily hospital-related outcomes Iran

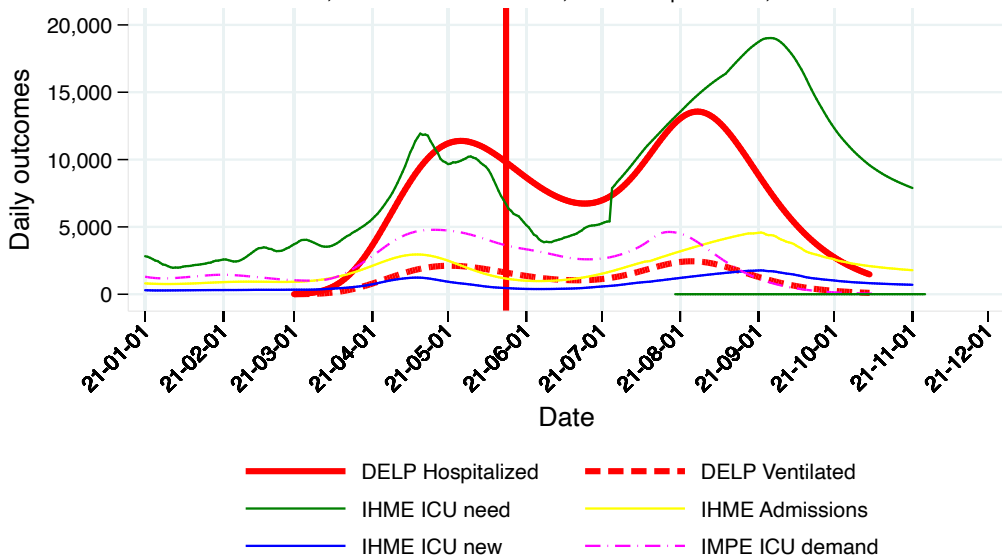


- Red vertical line: 20210424 online meeting; estimated probability, timing, dimensions, drivers, preventive measures of fifth wave discussed with MOH.



## COVID-19 daily hospital-related outcomes Iran

after 2021-01-01, without IHME Bed need, IMPE Hosp demand, reference scenarios



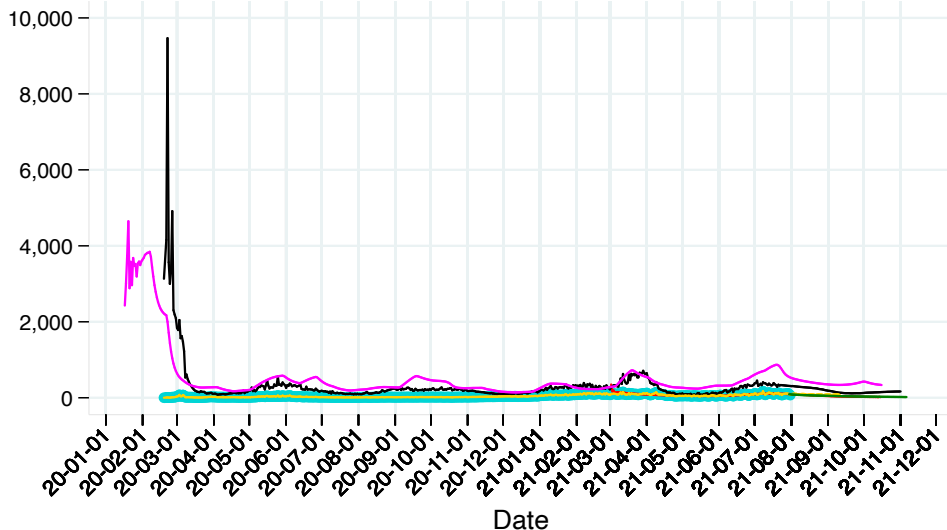
- Uncertainty limits: dashed curves.

- Red vertical line: 20210424 online meeting; estimated probability, timing, dimensions, drivers, preventive measures of fifth wave discussed with MOH.

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

reference scenarios

Daily cases or infections to deaths

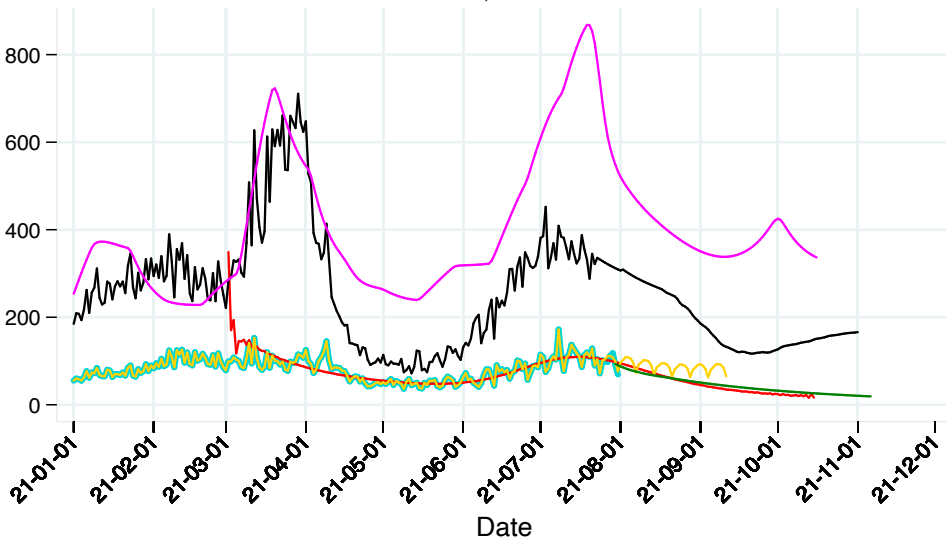


|                 |            |                 |
|-----------------|------------|-----------------|
| JOHN cases      | DELP cases | IHME infections |
| IMPE infections | LANL cases | SRIV cases      |

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

after 2021-01-01, reference scenarios

Daily cases or infections to deaths

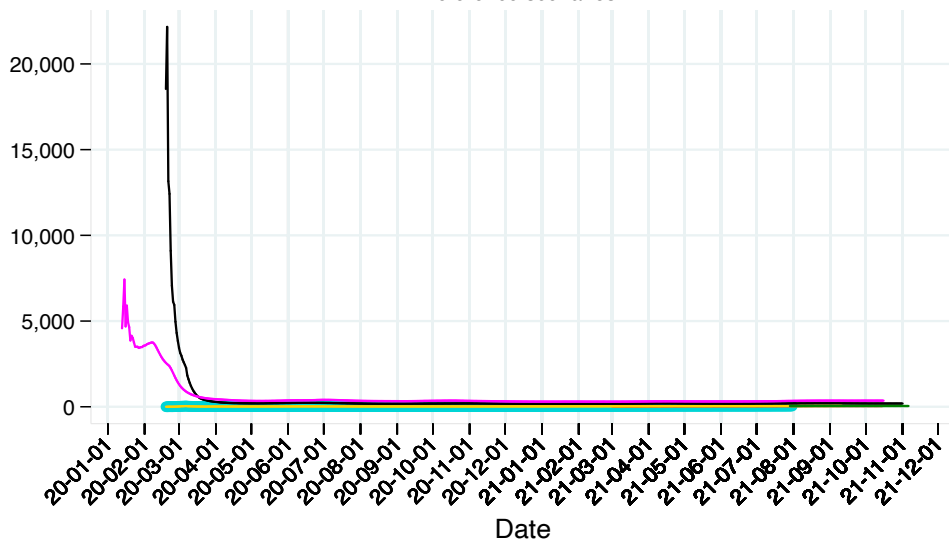


|                 |            |                 |
|-----------------|------------|-----------------|
| JOHN cases      | DELP cases | IHME infections |
| IMPE infections | LANL cases | SRIV cases      |

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

reference scenarios

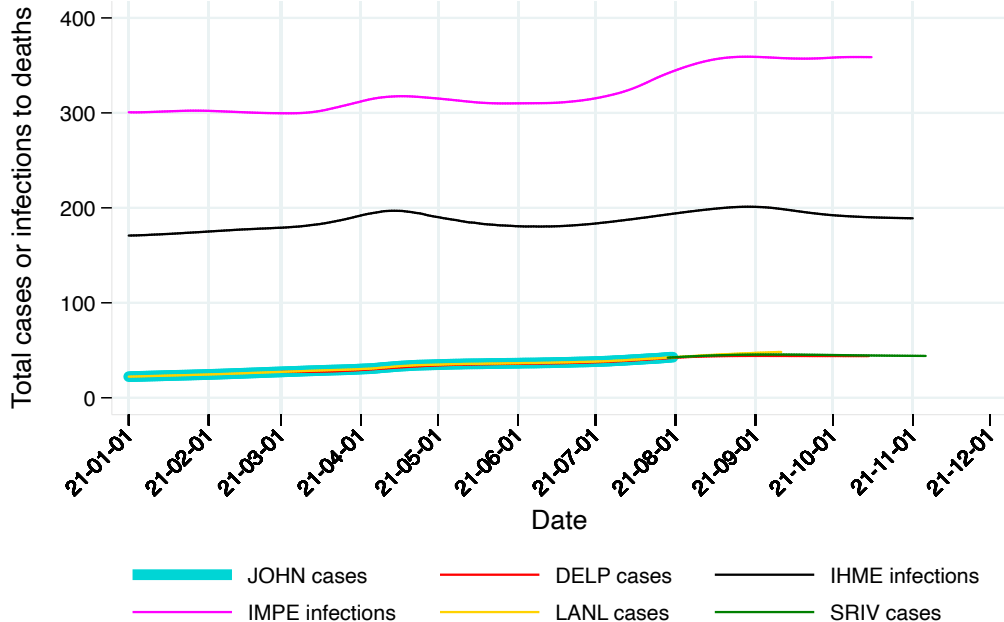
Total cases or infections to deaths



JOHN cases      DELP cases      IHME infections  
IMPE infections      LANL cases      SRIV cases

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

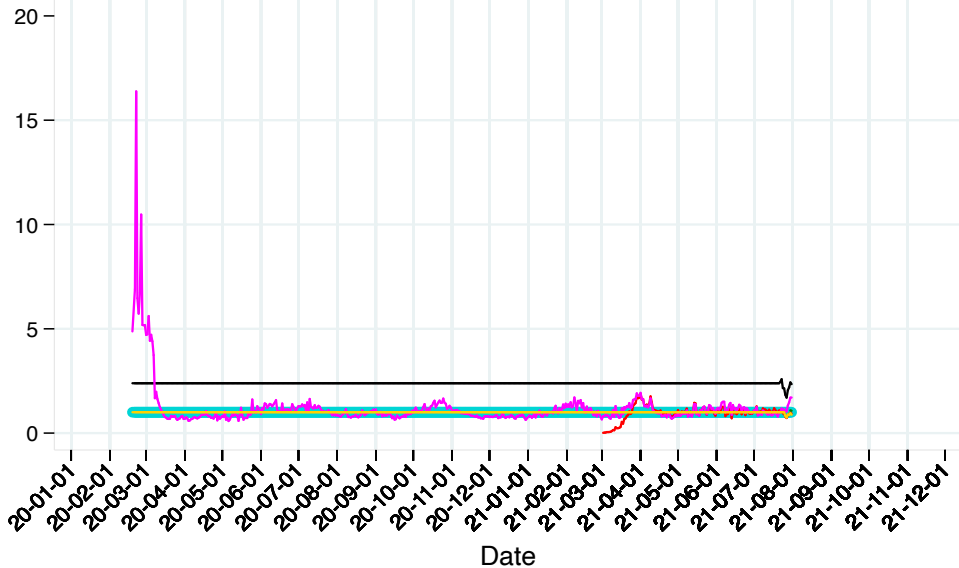
after 2021-01-01, reference scenarios



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

reference scenarios

Daily deaths estimated to reported

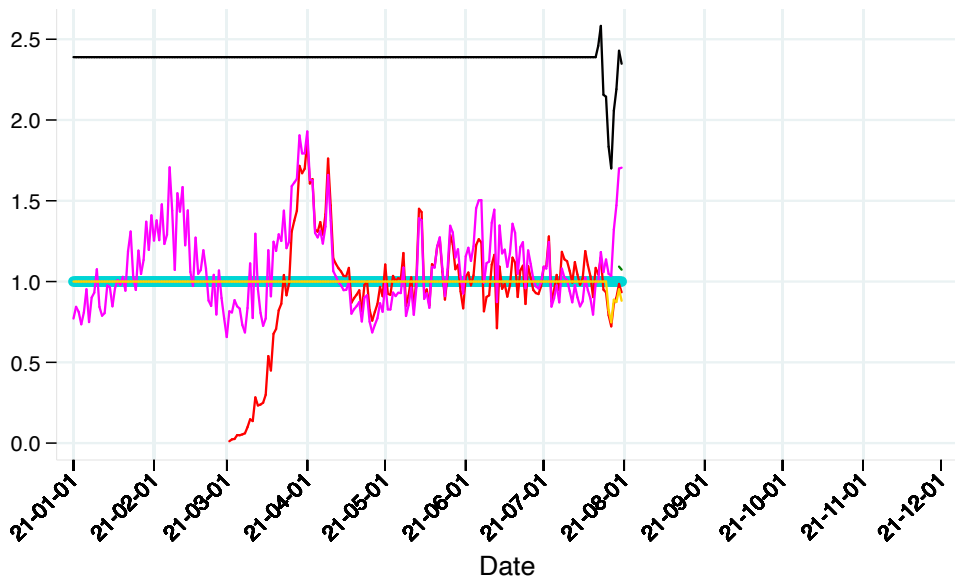


JOHN DELP IHME IMPE LANL SRIV

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

reference scenarios

Daily deaths estimated to reported

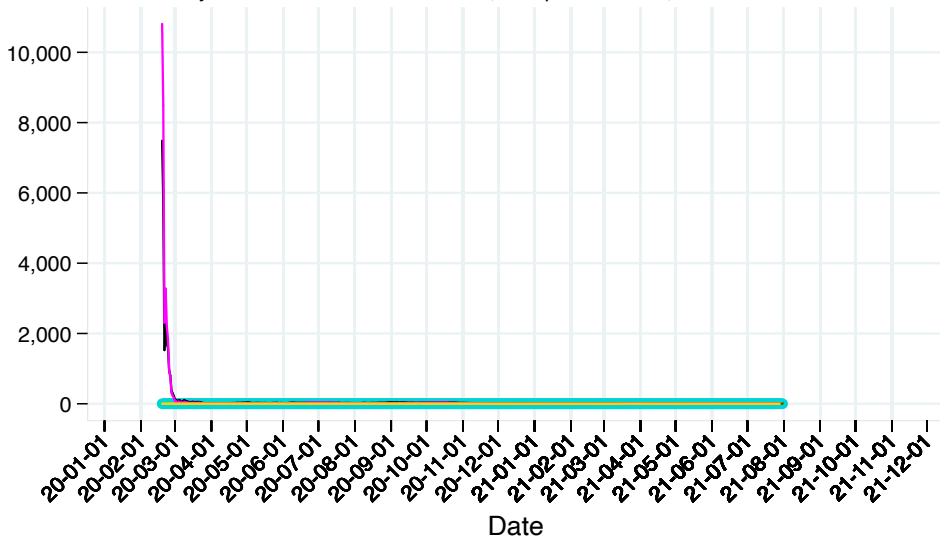


JOHN DELP IHME IMPE LANL SRIV

# COVID-19 daily cases estimated to reported, Iran

daily cases or infections estimated, to reported cases; reference scenarios

Daily cases or infections estimated to reported



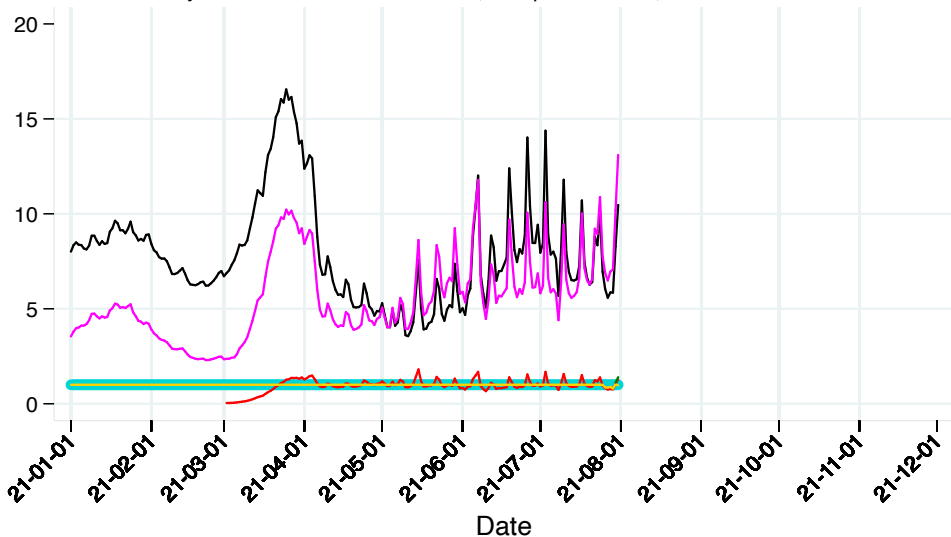
JOHN cases DELP cases IHME infections  
IMPE infections LANL cases SRIV cases



# COVID-19 daily cases estimated to reported, Iran

daily cases or infections estimated, to reported cases; reference scenarios

Daily cases or infections estimated to reported



JOHN cases

DELP cases

IHME infections

IMPE infections

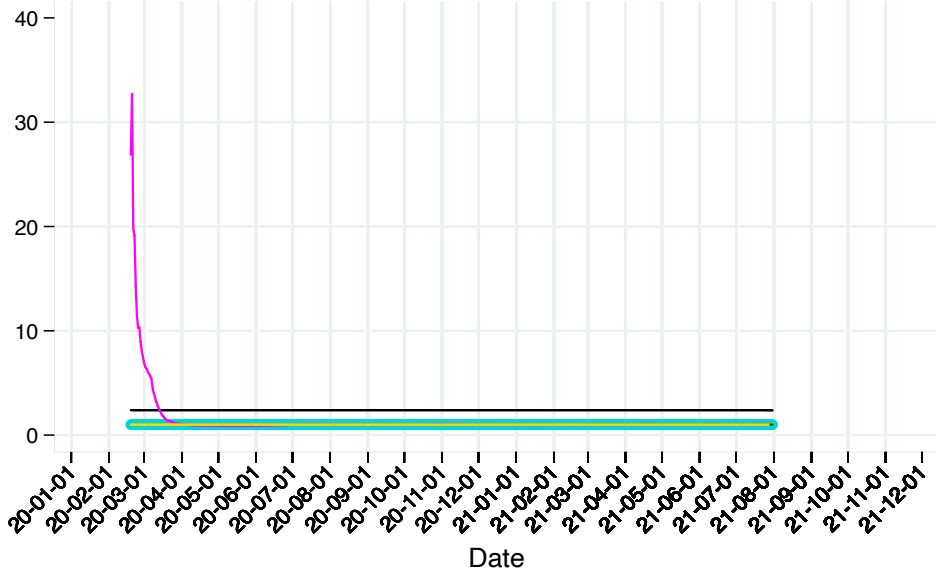
LANL cases

SRIV cases

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

reference scenarios

Total deaths estimated to reported

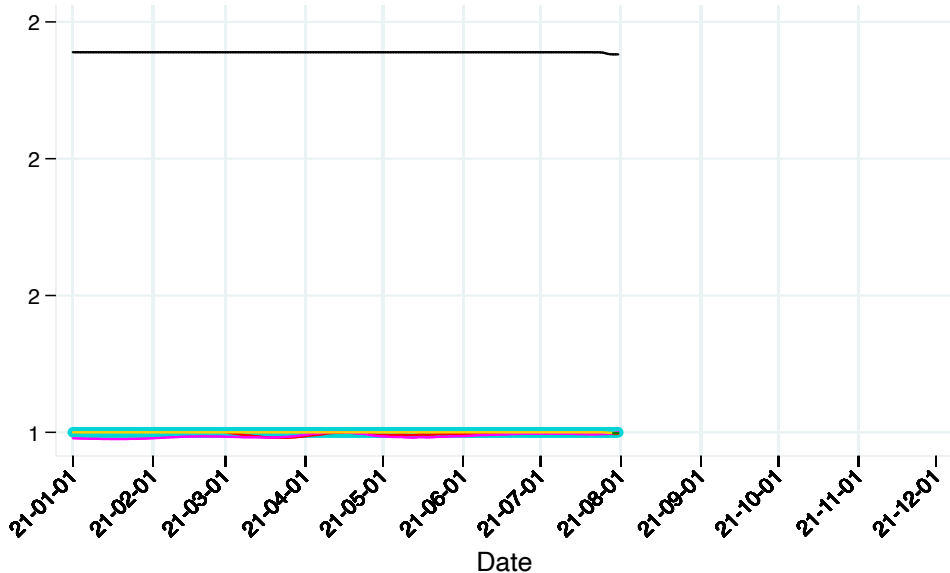


JOHN DELP IHME IMPE LANL SRIV

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

reference scenarios

Total deaths estimated to reported

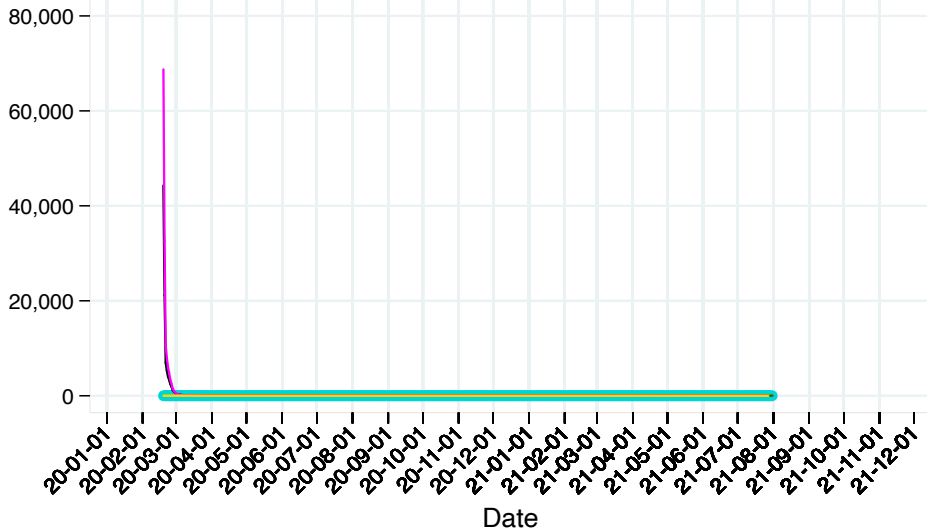


JOHN DELP IHME IMPE LANL SRIV

# COVID-19 total cases estimated to reported, Iran

total cases or infections estimated, to reported cases; reference scenarios

Total cases or infections estimated to reported

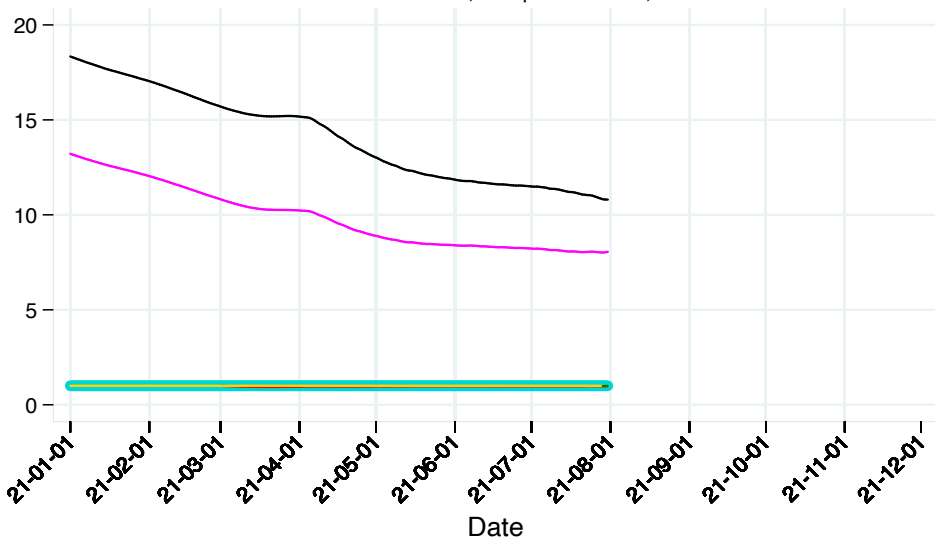


JOHN cases DELP cases IHME infections  
IMPE infections LANL cases SRIV cases

# COVID-19 total cases estimated to reported, Iran

total cases or infections estimated, to reported cases; reference scenarios

Total cases or infections estimated to reported



JOHN cases  
IMPE infections  
DELP cases  
LANL cases  
IHME infections  
SRIV cases