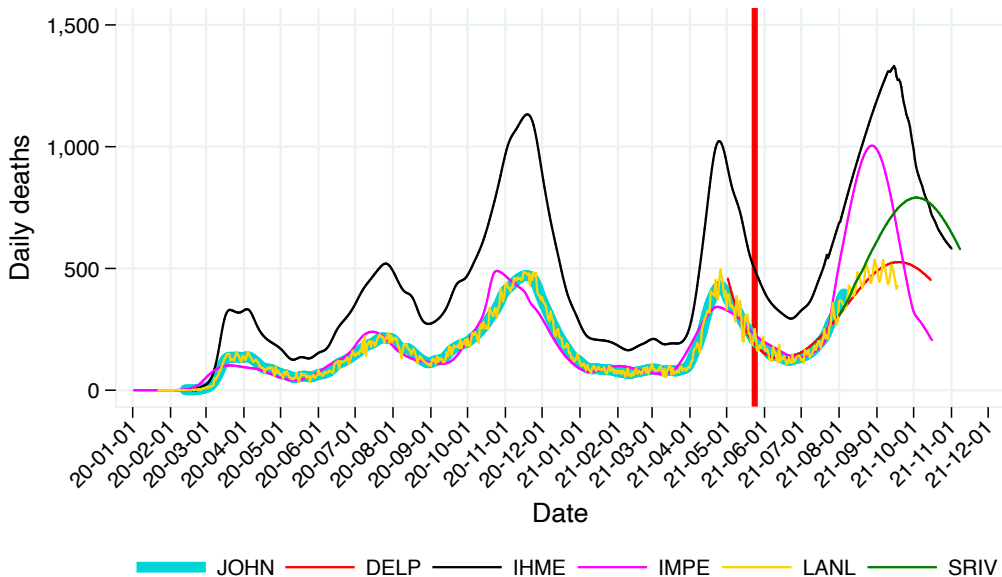


COVID-19 daily deaths, Iran

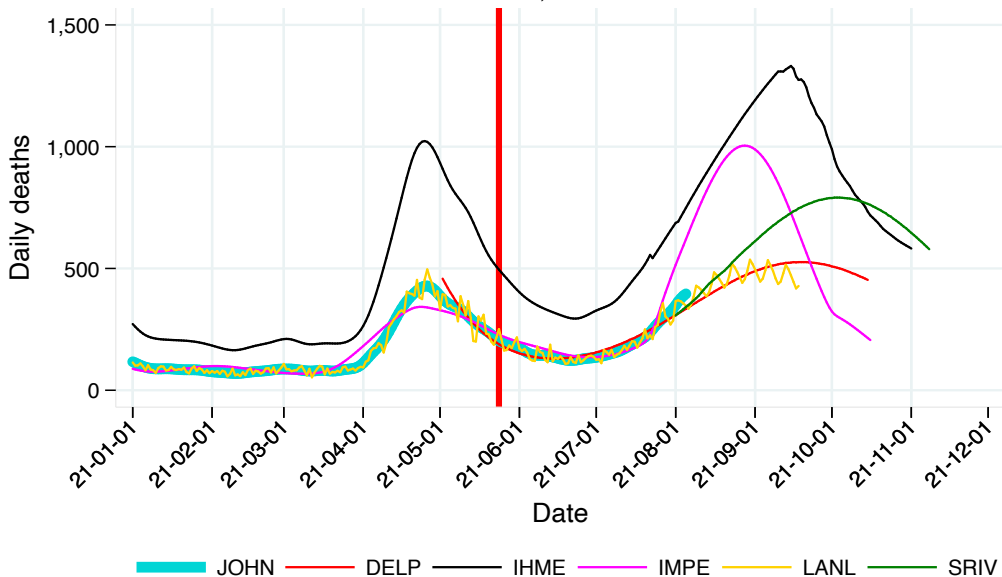
reference scenarios



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

COVID-19 daily deaths, Iran

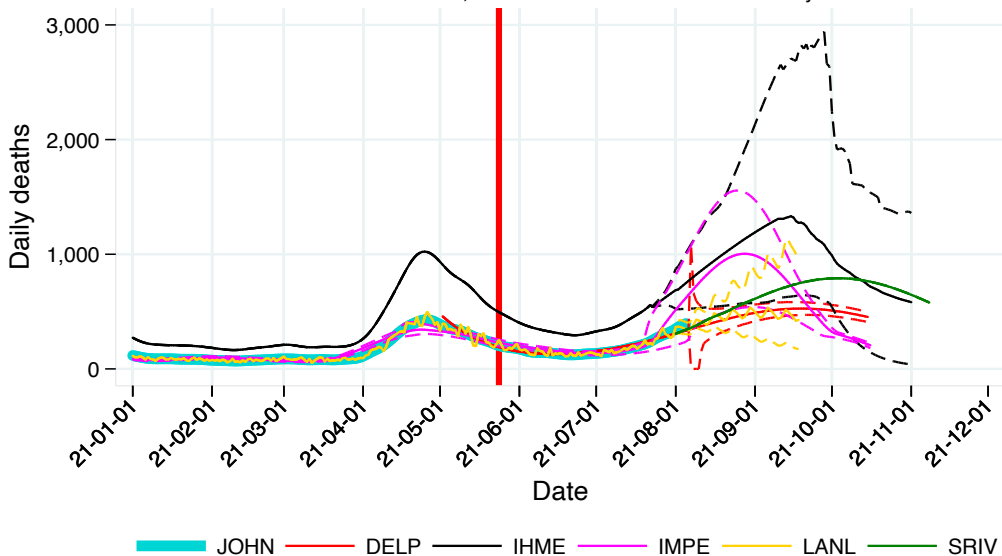
after 2021-01-01, reference scenarios



- 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

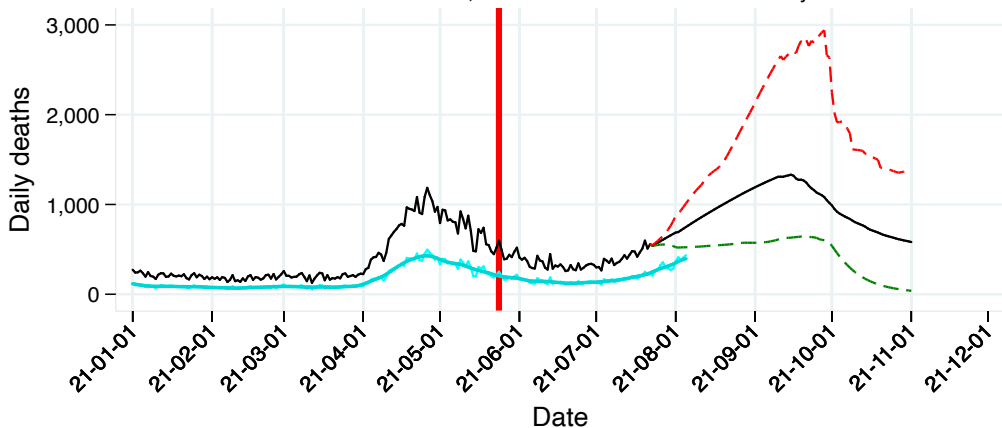


- Uncertainty limits: dashed curves

- 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

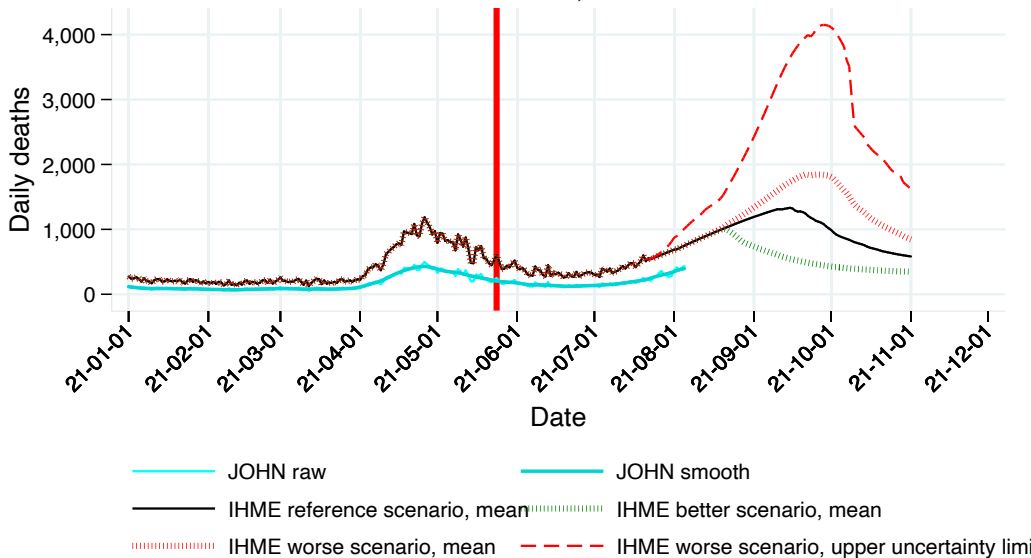
IHME reference scenario, upper

- 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

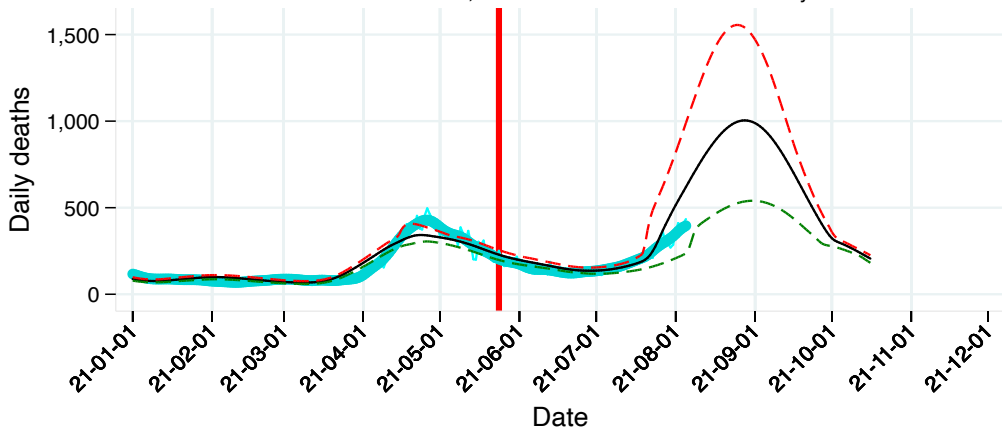
after 2021-01-01, 3 scenarios



- 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

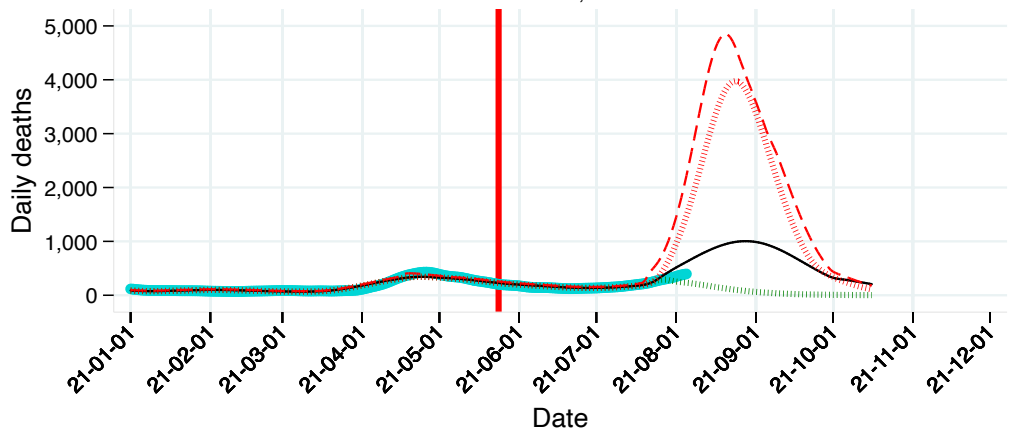
IMPE reference scenario, upper

- 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



JOHN raw

JOHN smooth

IMPE reference scenario, mean

IMPE better scenario, mean

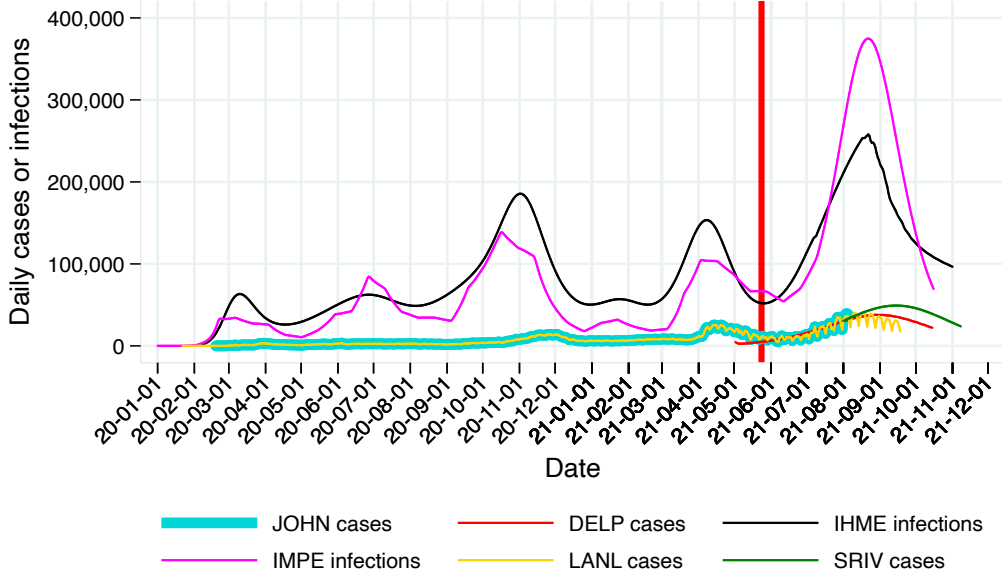
IMPE worse scenario, mean

IMPE worse scenario, upper uncertainty limit

- 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

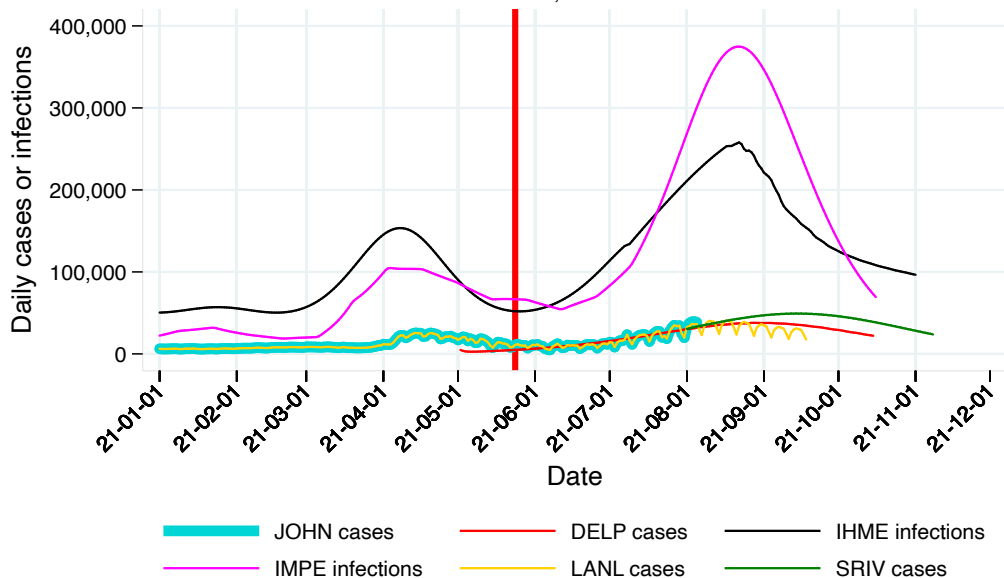
reference scenarios



- 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

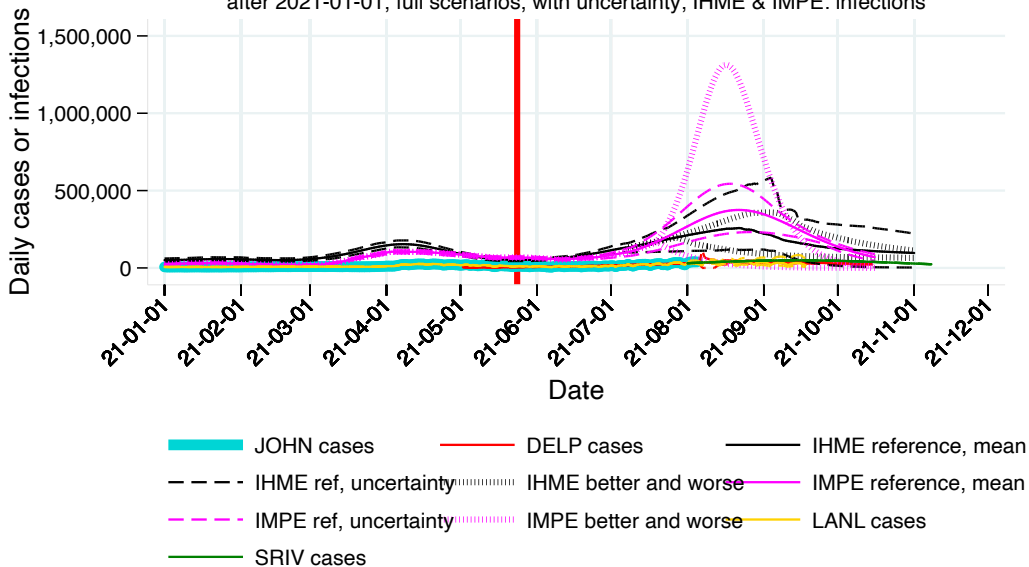
after 2021-01-01, reference scenarios



- 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

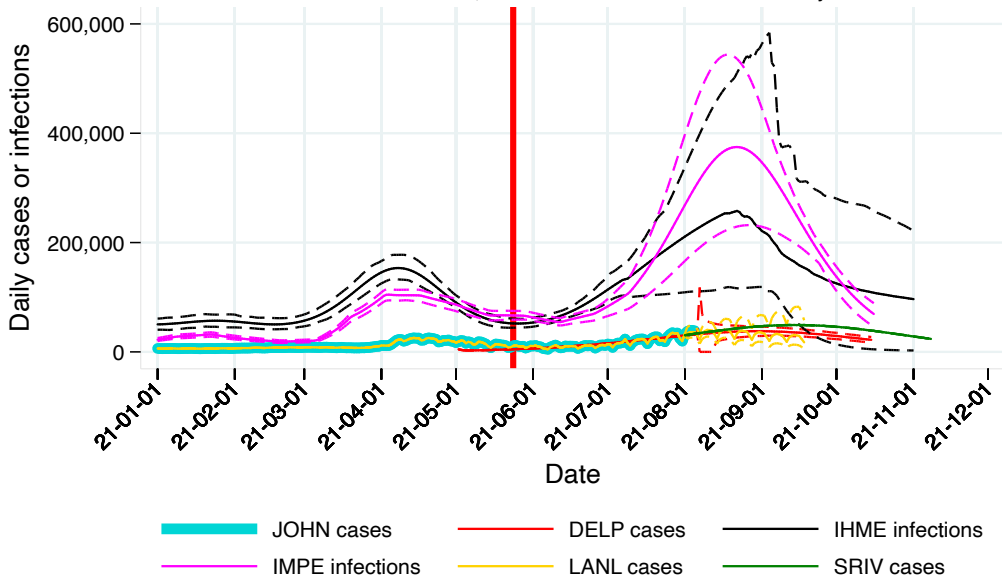
after 2021-01-01, full scenarios, with uncertainty; IHME & IMPE: infections



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

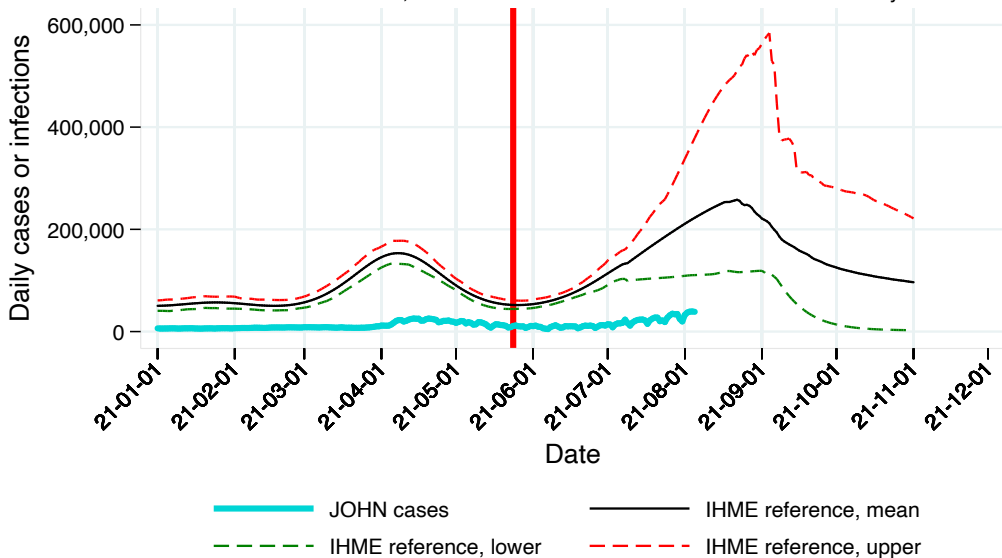
after 2021-01-01, reference scenarios with uncertainty



- 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

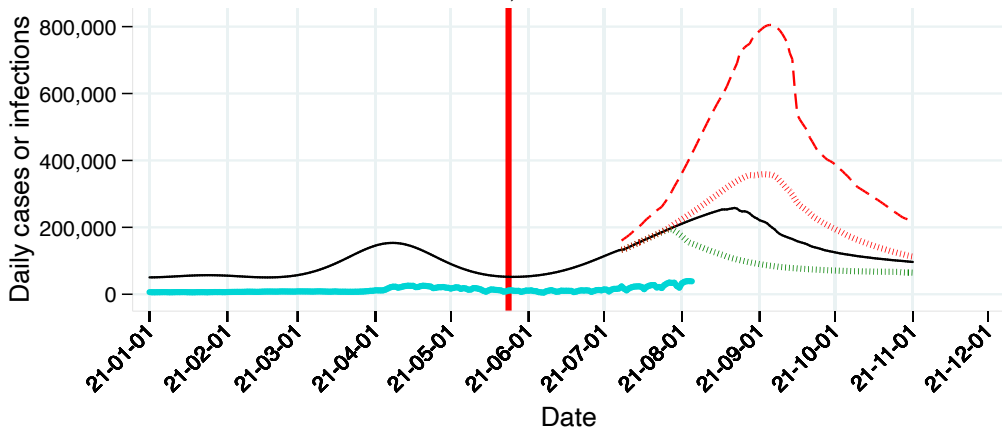


- Uncertainty limits: dashed (---) curves.

- 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

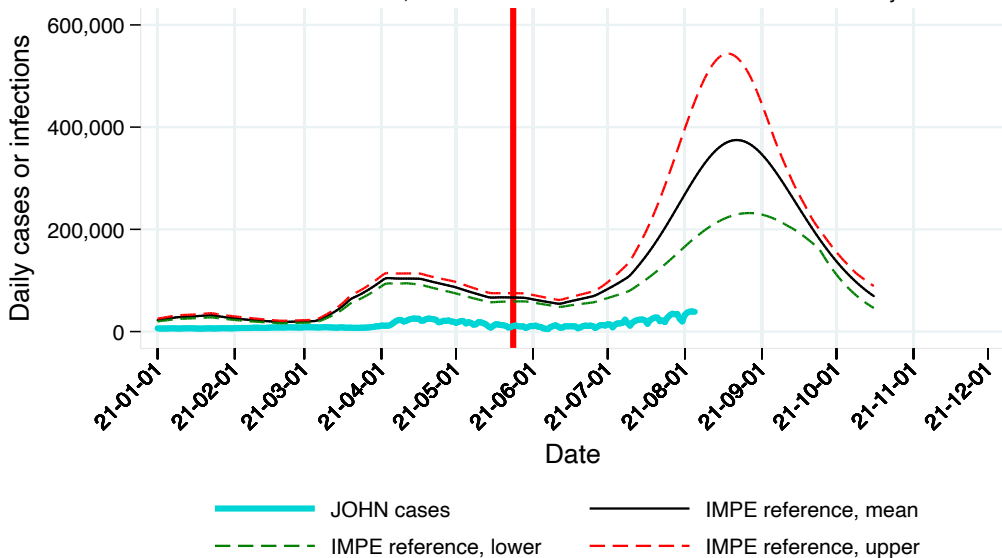
IHME reference, mean

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

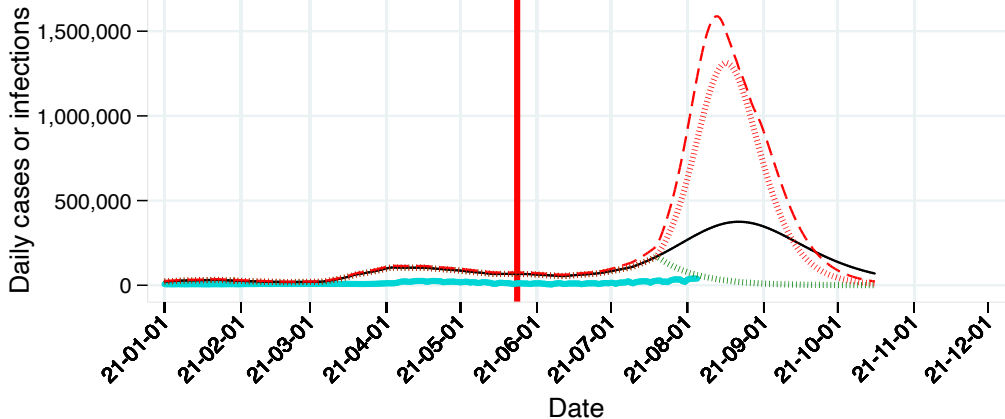


- Uncertainty limits: dashed (---) curves.

- 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

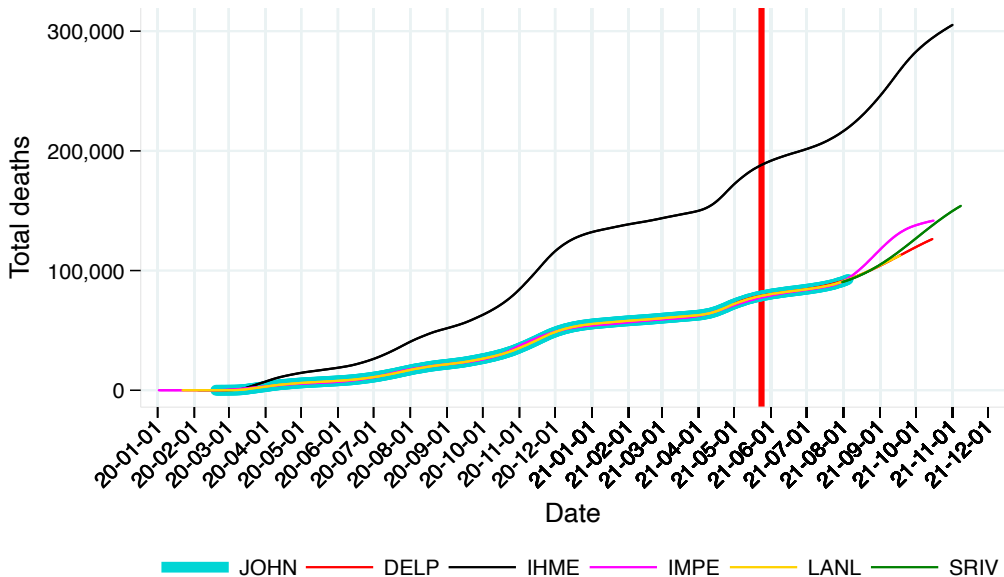


- JOHN cases
- IMPE reference, mean
- IMPE better, mean
- IMPE worse, mean
- IMPE worse scenario, upper uncertainty limit

- 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

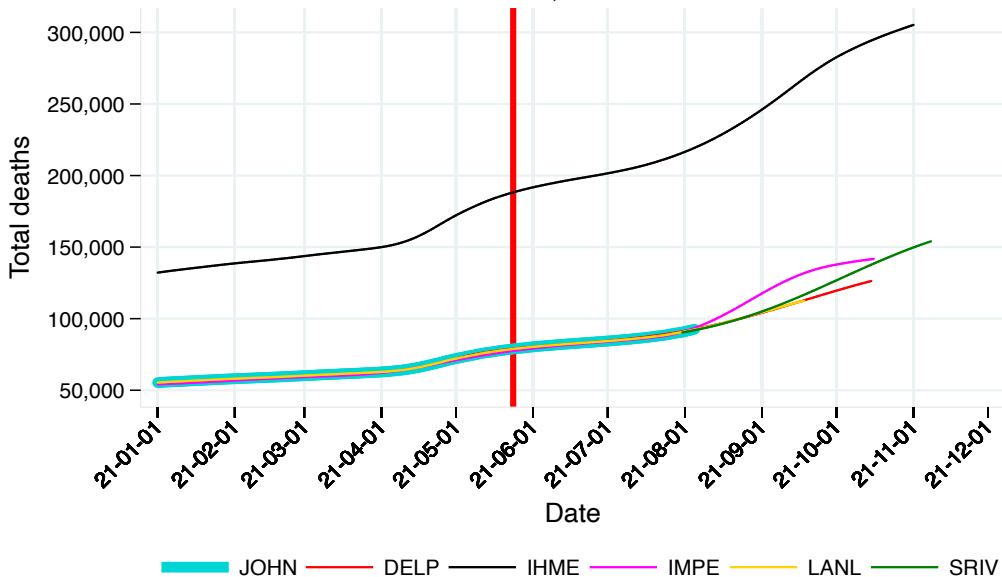
reference scenarios



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

COVID-19 total deaths, Iran

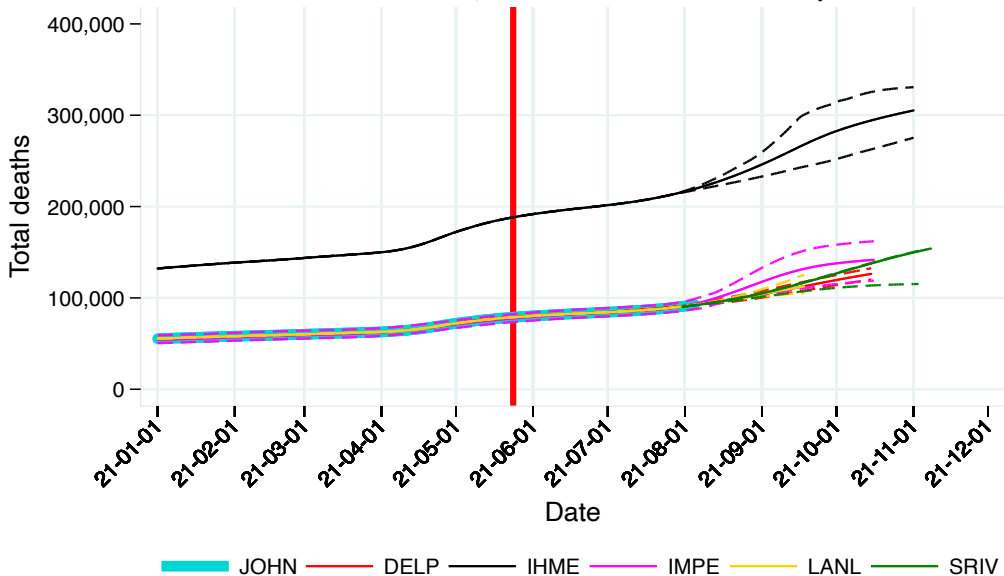
after 2021-01-01, reference scenarios



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

COVID-19 total deaths, Iran

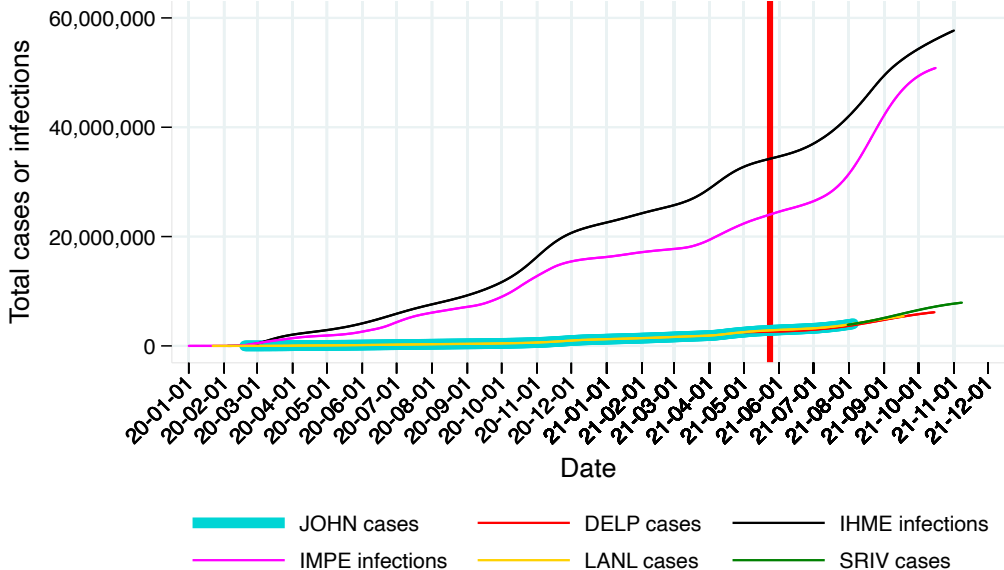
after 2021-01-01, reference scenarios with uncertainty



- 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

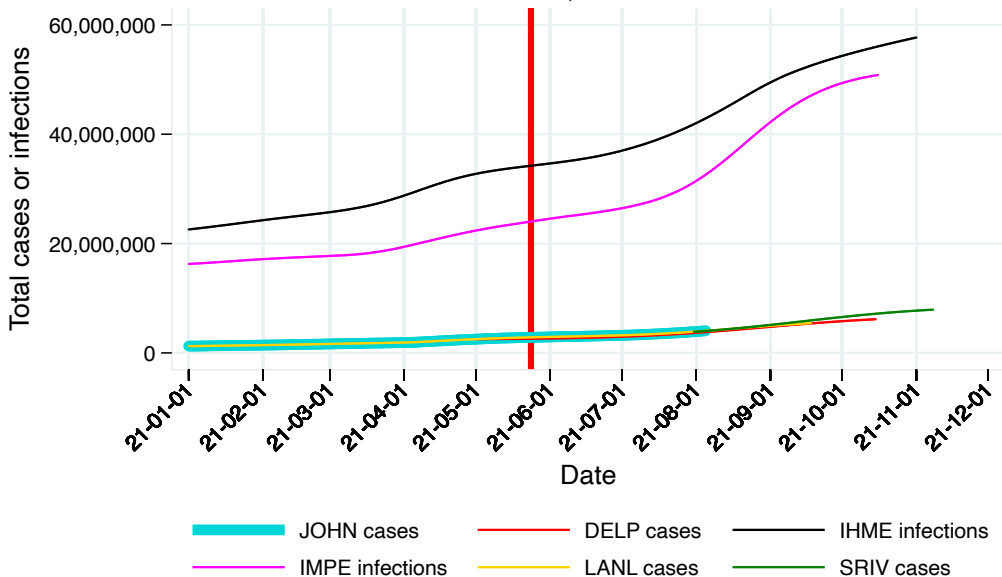
reference scenarios



- 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

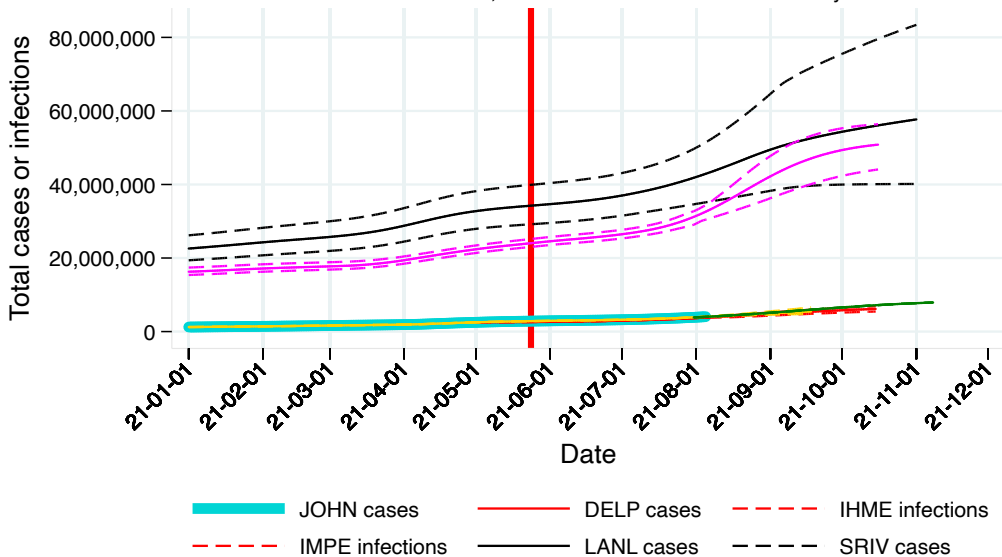
after 2021-01-01, reference scenarios



- 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

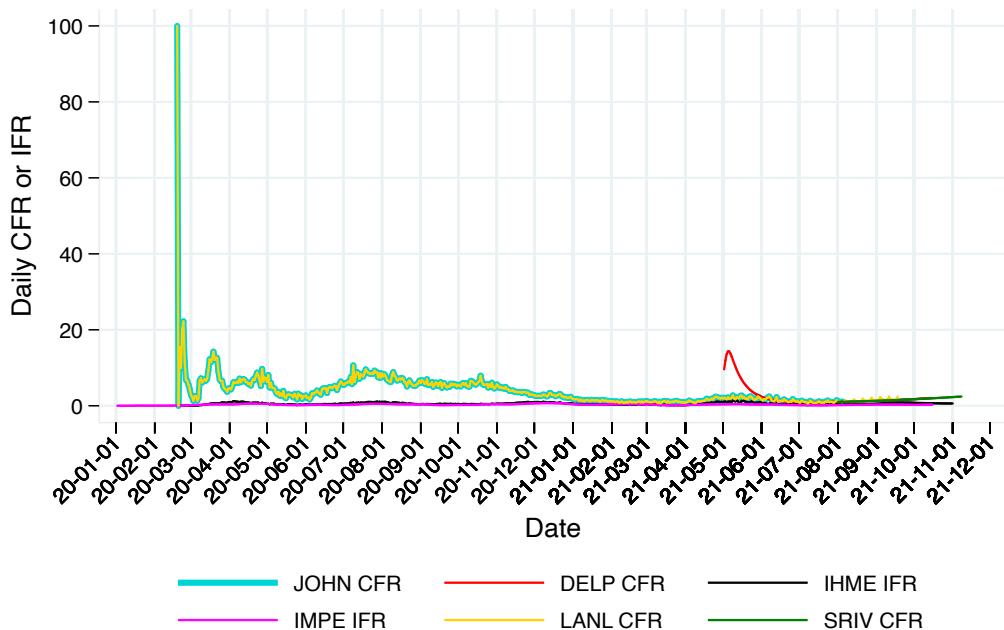
after 2021-01-01, reference scenarios with uncertainty



- Uncertainty limits: dashed curves.

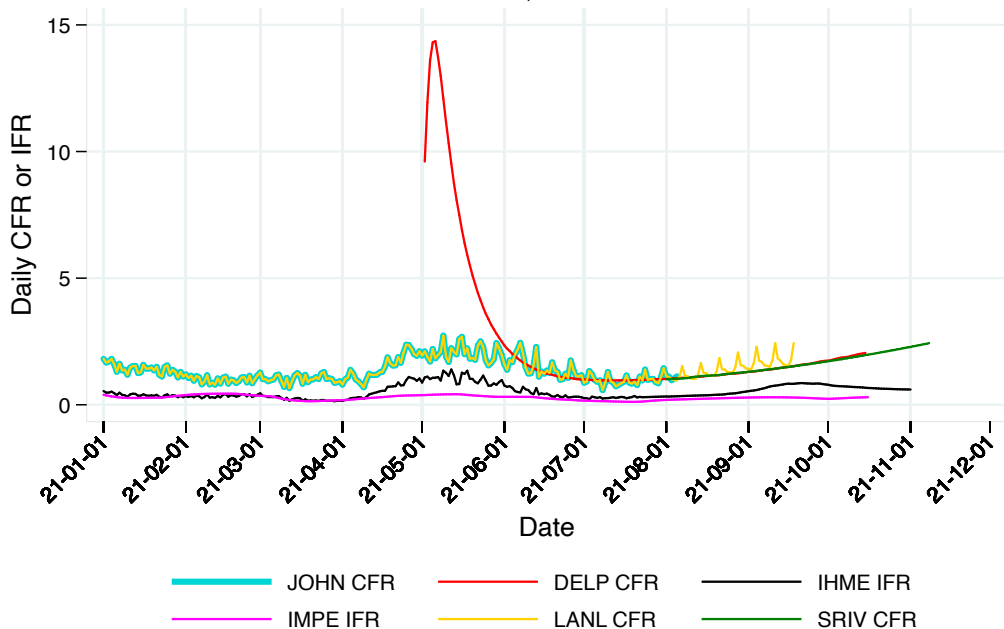
- Red vertical line: 20210424 online meeting; estimated probability, timing, dimensions, drivers, preventive measures of fifth wave discussed with MOH.

COVID-19 daily CFR or IFR, Iran

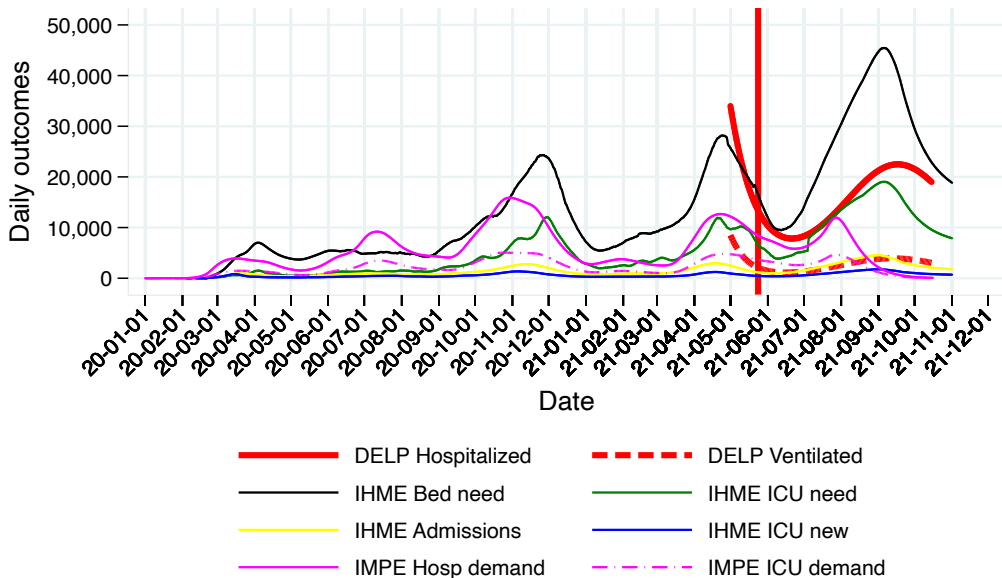


COVID-19 daily CFR or IFR, Iran

after 2021-01-01, reference scenarios



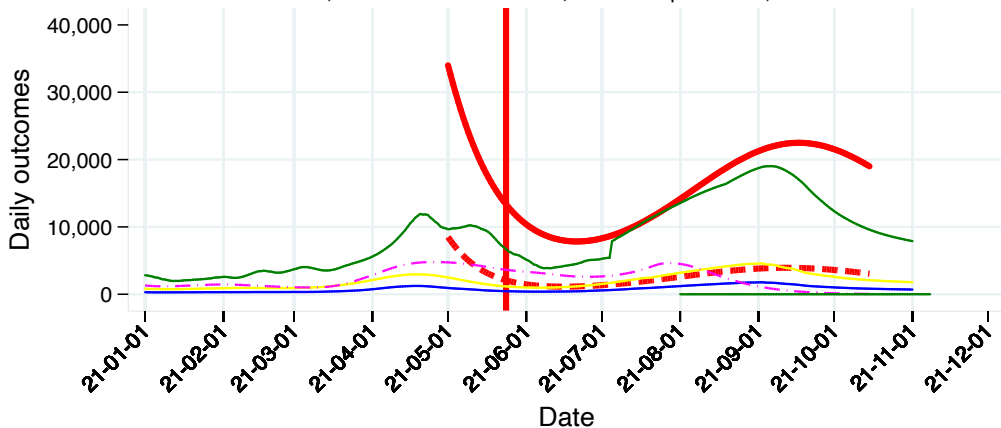
COVID-19 daily hospital-related outcomes Iran



- 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



— DELP Hospitalized	- - - DELP Ventilated
— IHME ICU need	— IHME Admissions
— IHME ICU new	- . - IMPE ICU demand

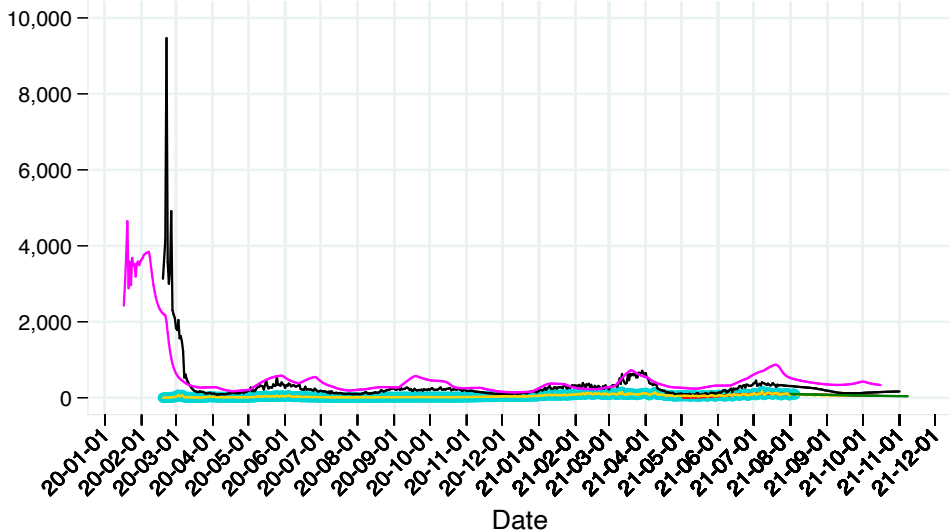
- Uncertainty limits: dashed curves.

- 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

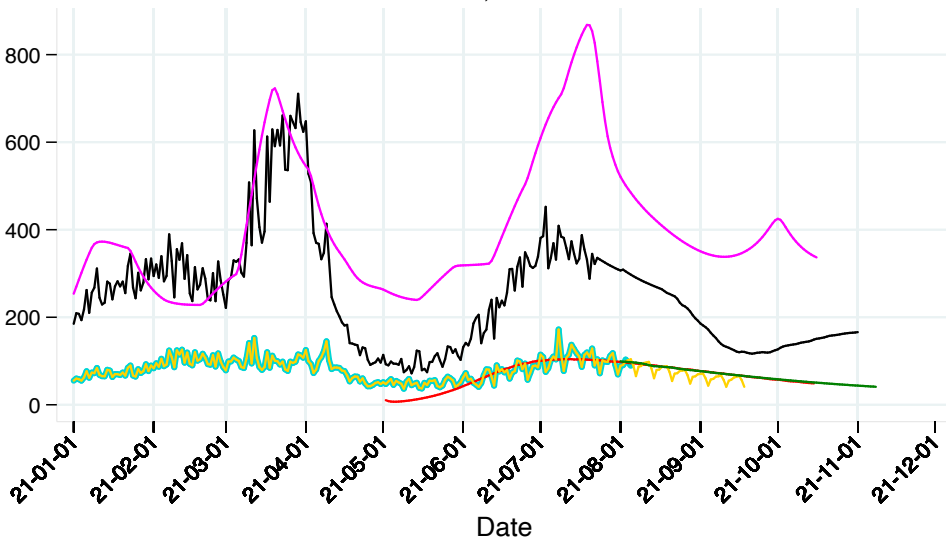


JOHN cases DELP cases IHME infections
IMPE infections LANL cases SRIV cases

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

after 2021-01-01, reference scenarios

Daily cases or infections to deaths

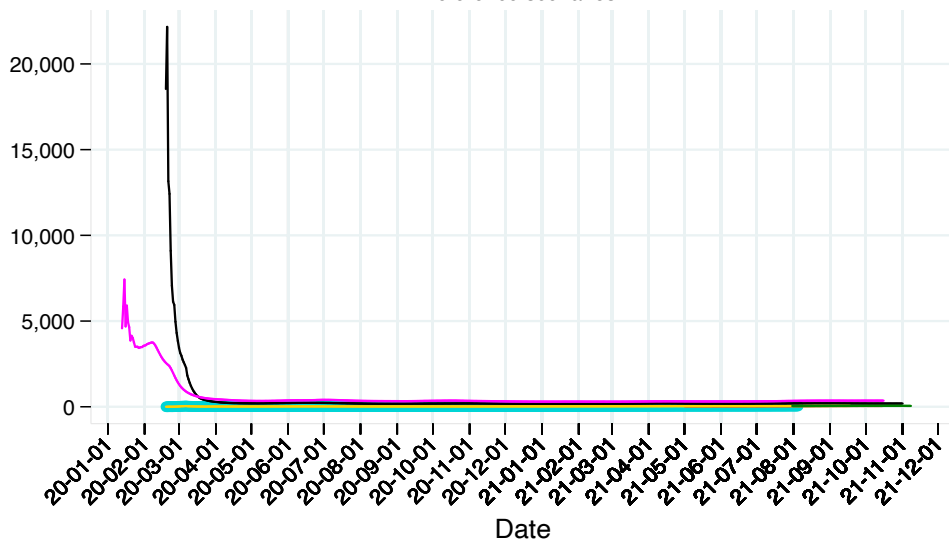


JOHN cases	DELP cases	IHME infections
IMPE infections	LANL cases	SRIV cases

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

reference scenarios

Total cases or infections to deaths

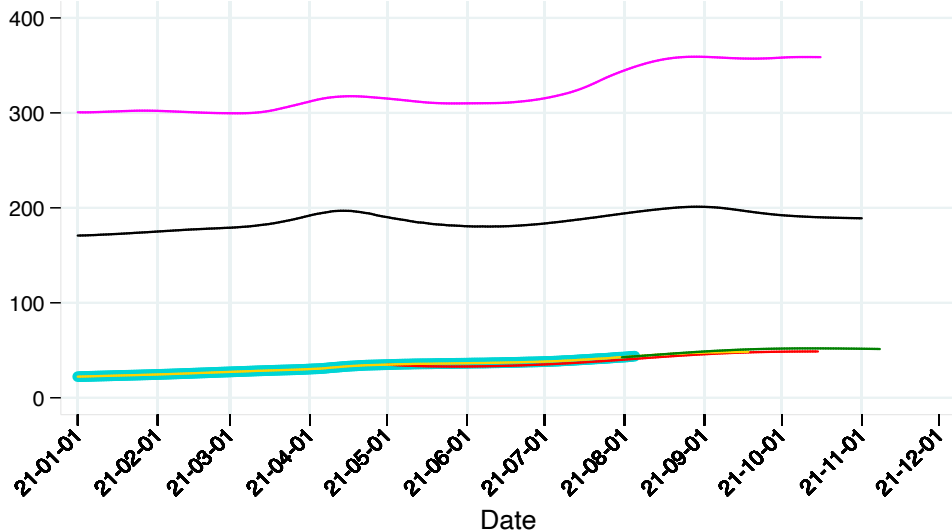


JOHN cases	DELP cases	IHME infections
IMPE infections	LANL cases	SRIV cases

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

after 2021-01-01, reference scenarios

Total cases or infections to deaths

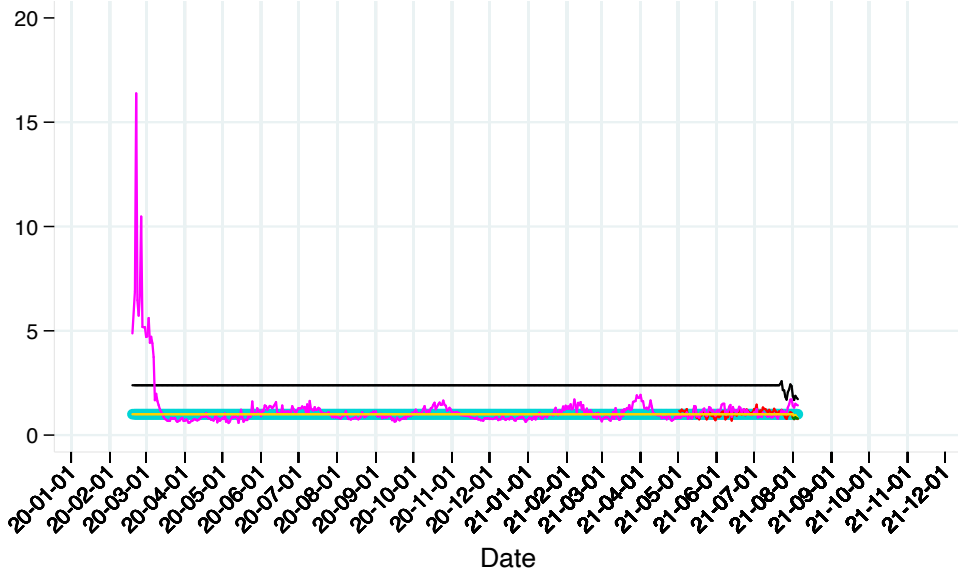


JOHN cases DELP cases IHME infections
IMPE infections LANL cases SRIV cases

COVID-19 daily deaths, estimated to reported, Iran

reference scenarios

Daily deaths estimated to reported

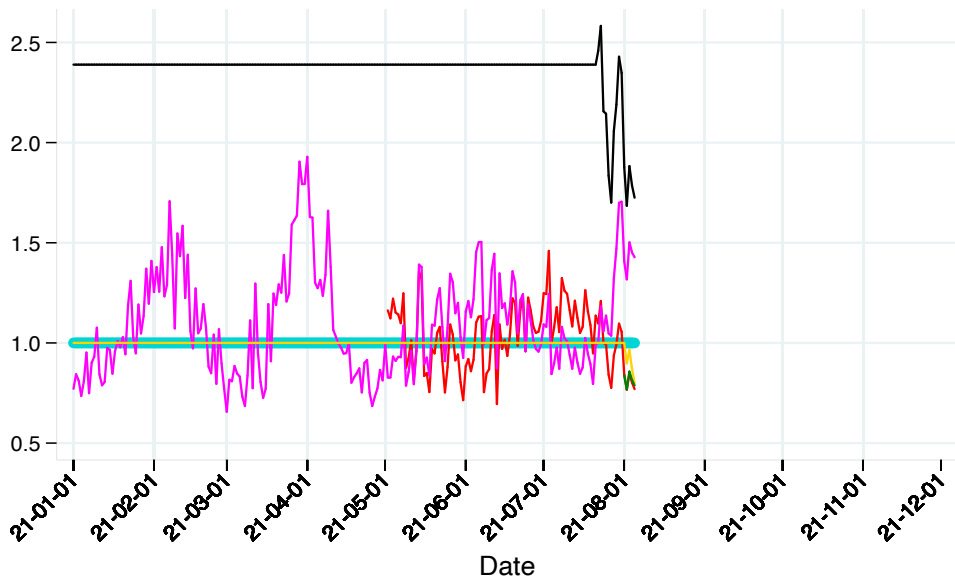


JOHN DELP IHME IMPE LANL SRIV

COVID-19 daily deaths, estimated to reported, Iran

reference scenarios

Daily deaths estimated to reported

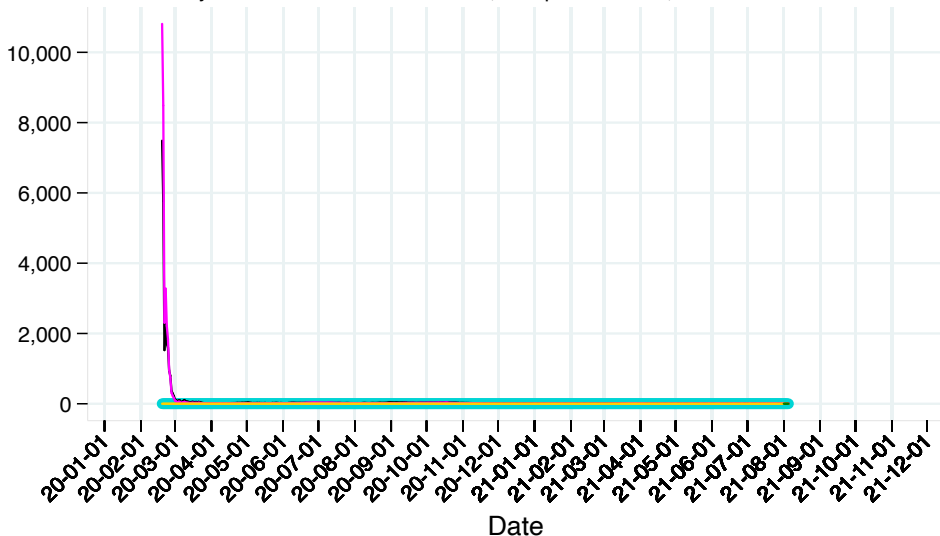


JOHN DELP IHME IMPE LANL SRIV

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

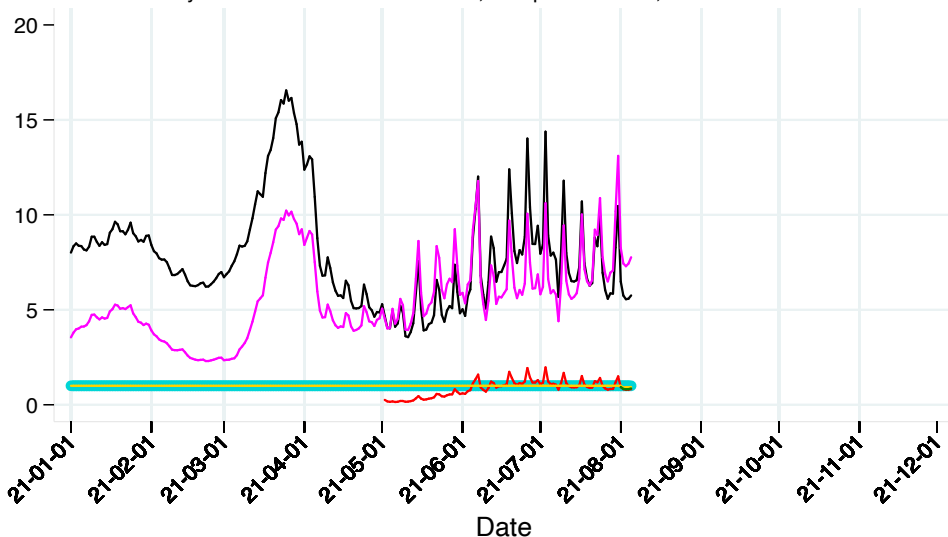


JOHN cases DELP cases IHME infections
IMPE infections LANL cases SRIV cases

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

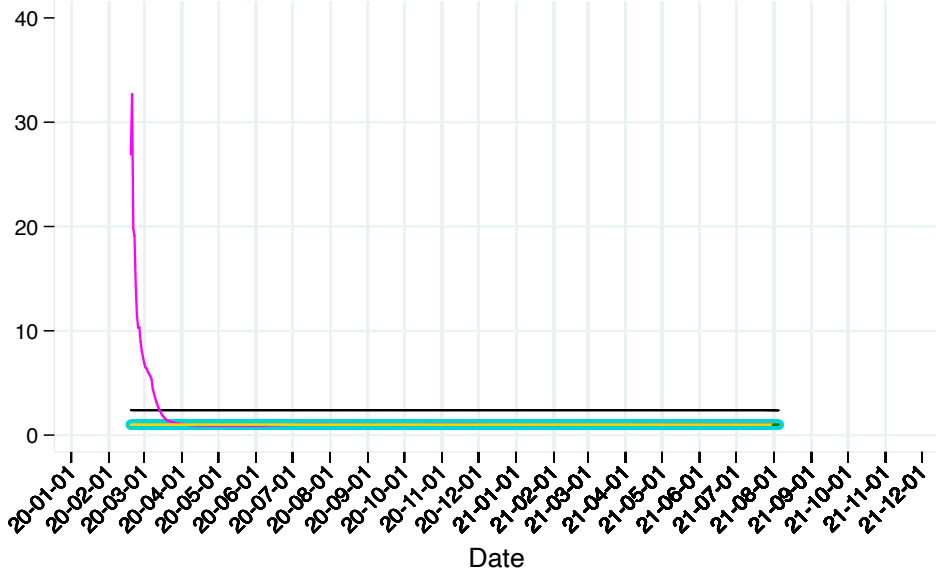


JOHN cases
IMPE infections
DELP cases
LANL cases
IHME infections
SRIV cases

COVID-19 total deaths, estimated to reported, Iran

reference scenarios

Total deaths estimated to reported

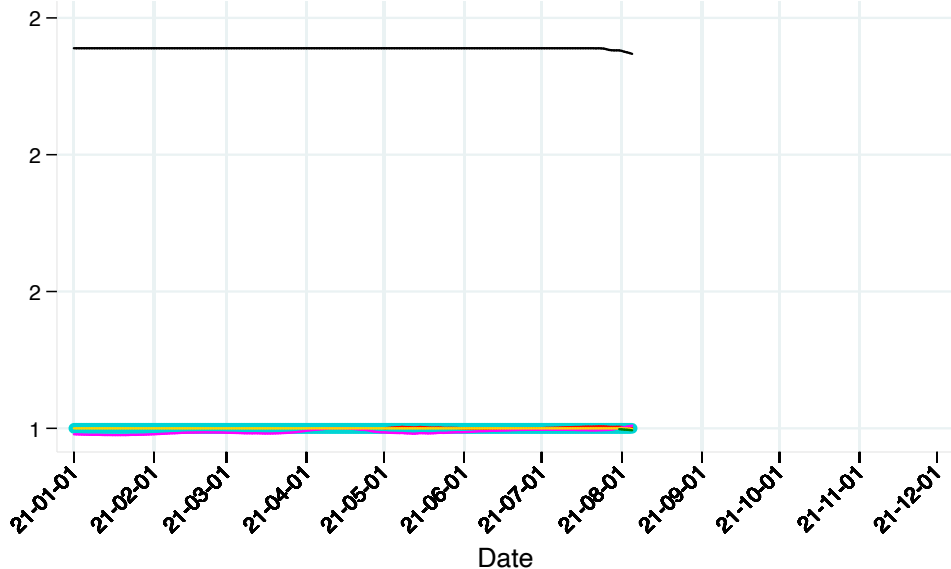


JOHN DELP IHME IMPE LANL SRIV

COVID-19 total deaths, estimated to reported, Iran

reference scenarios

Total deaths estimated to reported

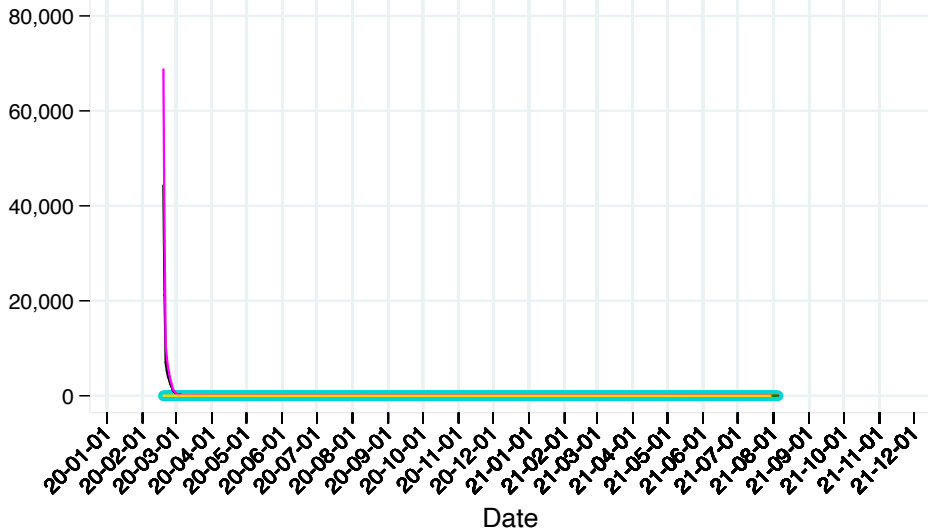


JOHN DELP IHME IMPE LANL SRIV

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

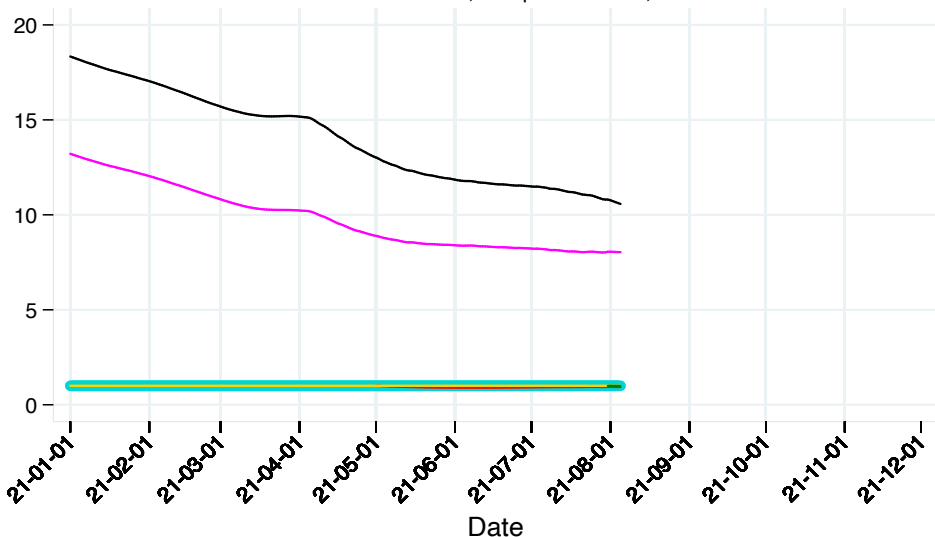


JOHN cases DELP cases IHME infections
IMPE infections LANL cases SRIV cases

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	DELP cases	IHME infections
IMPE infections	LANL cases	SRIV cases