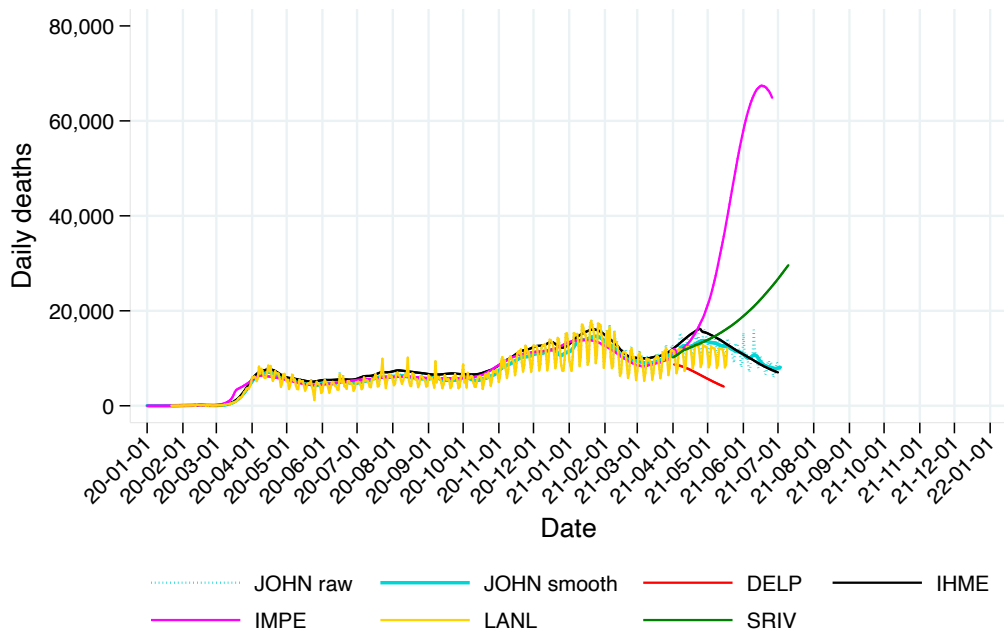
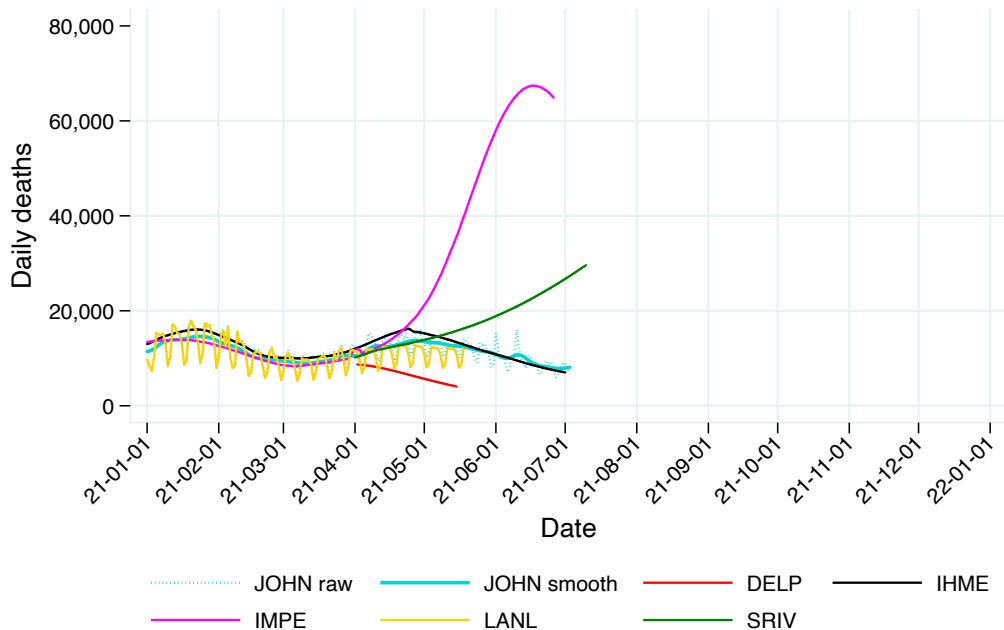


# COVID-19 daily deaths, global, reference scenarios



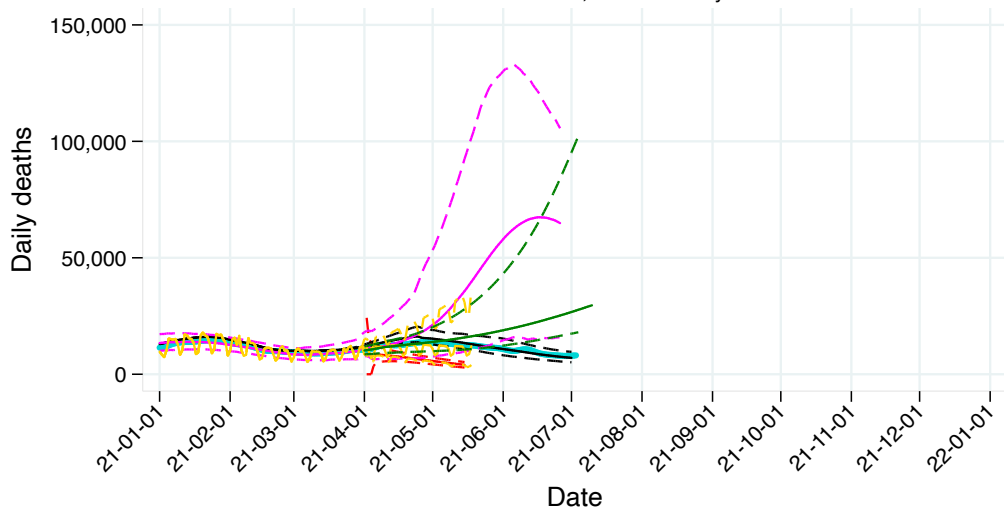
# COVID-19 daily deaths, global, reference scenarios

after 2021-01-01



# COVID-19 daily deaths, global, reference scenarios

after 2021-01-01, w/ uncertainty



JOHN smooth

DELP

IHME

IMPE

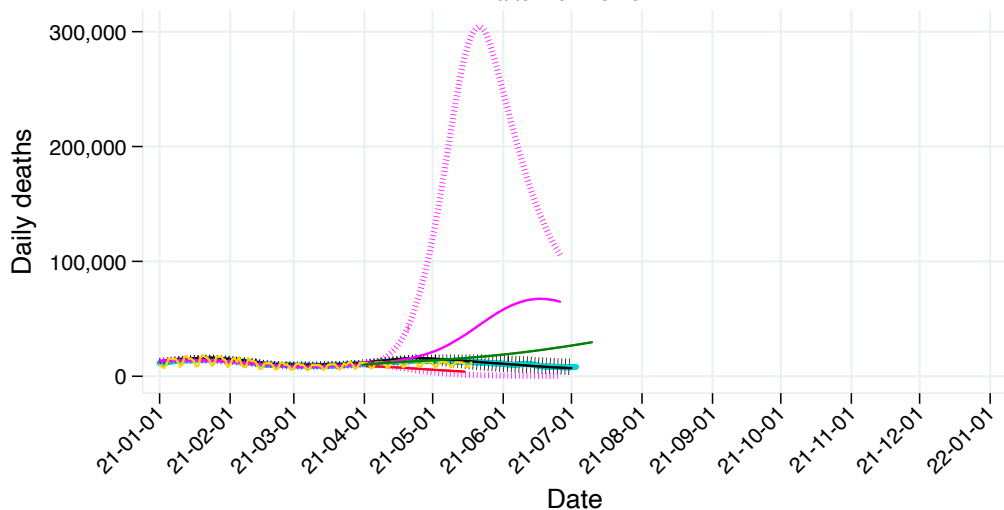
LANL

SRIV

Uncertainty limits: dashed curves

# COVID-19 daily deaths, global, 3 scenarios

after 2021-01-01

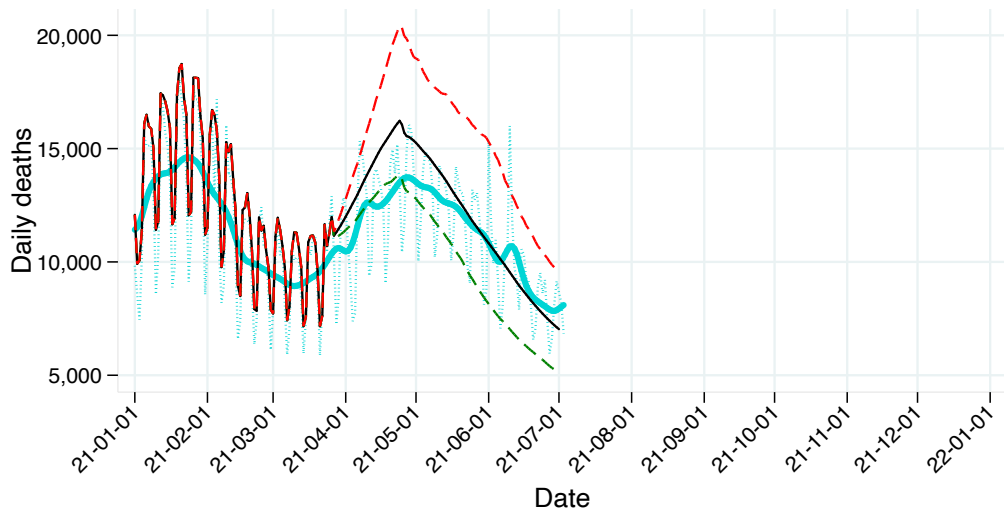


JOHN smooth    DELP    IHME  
IMPE    LANL    SRIV

Better and worse scenarios: tight dot (||||) curves; IHME and IMPE

# COVID-19 daily deaths, global, reference scenario w/ uncertainty, IHME

after 2021-01-01

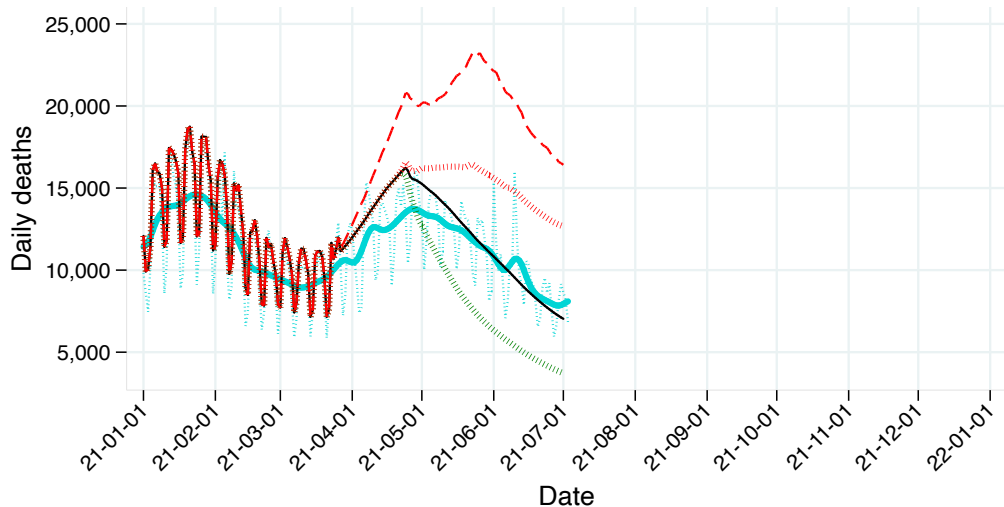


JOHN raw      JOHN smooth      IHME mean  
IHME lower      IHME upper

Uncertainty limits: dashed (---) curves

# COVID-19 daily deaths, global, 3 scenarios, IHME

after 2021-01-01



JOHN raw

JOHN smooth

IHME reference

IHME best

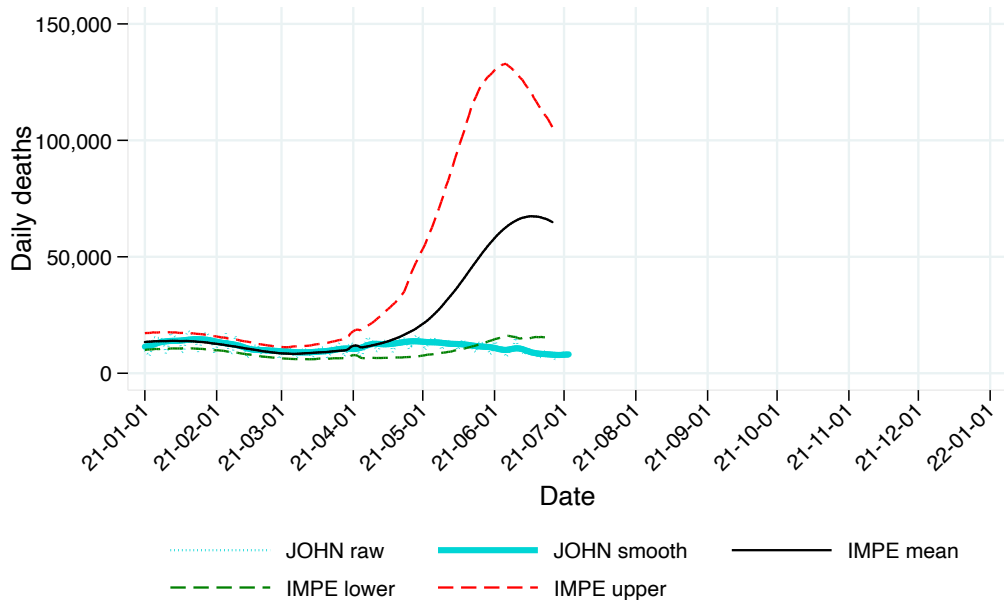
IHME worse

IHME worse upper

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

# COVID-19 daily deaths, global, reference scenario w/ uncertainty, IMPE

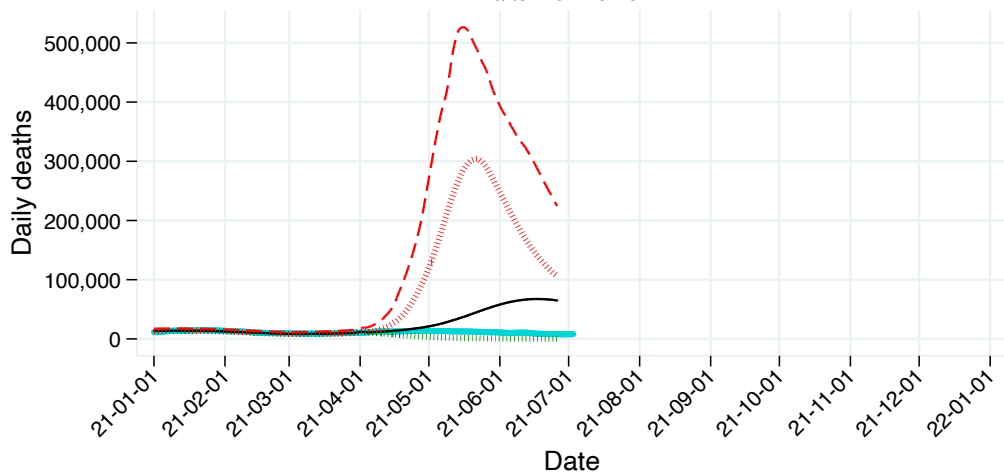
after 2021-01-01



Uncertainty limits: dashed (---) curves

# COVID-19 daily deaths, global, 3 scenarios, IMPE

after 2021-01-01

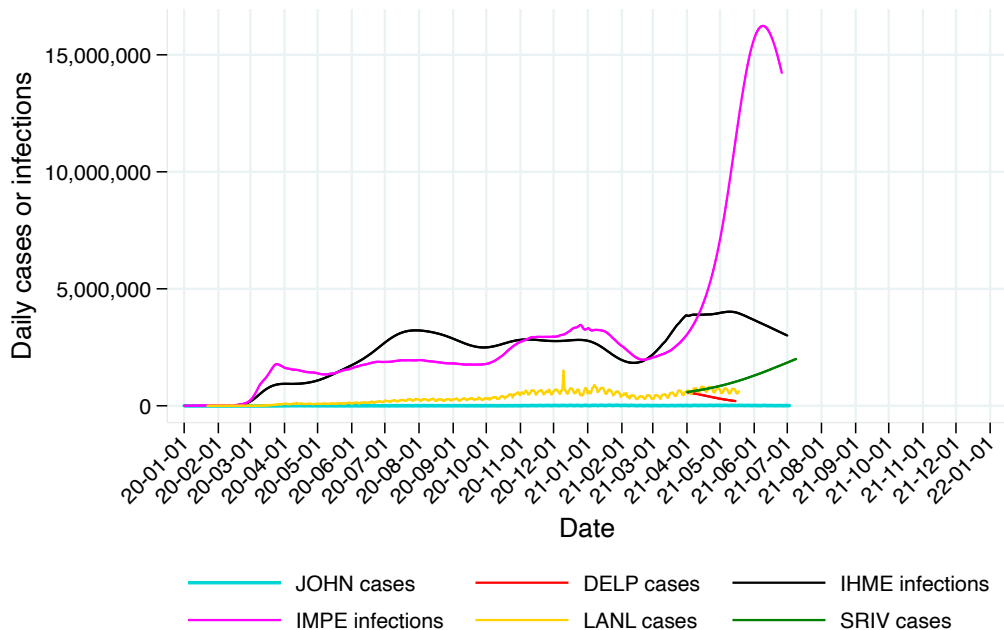


JOHN raw  
JOHN smooth  
IMPE reference  
IMPE better  
IMPE worse  
IMPE worse upper

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

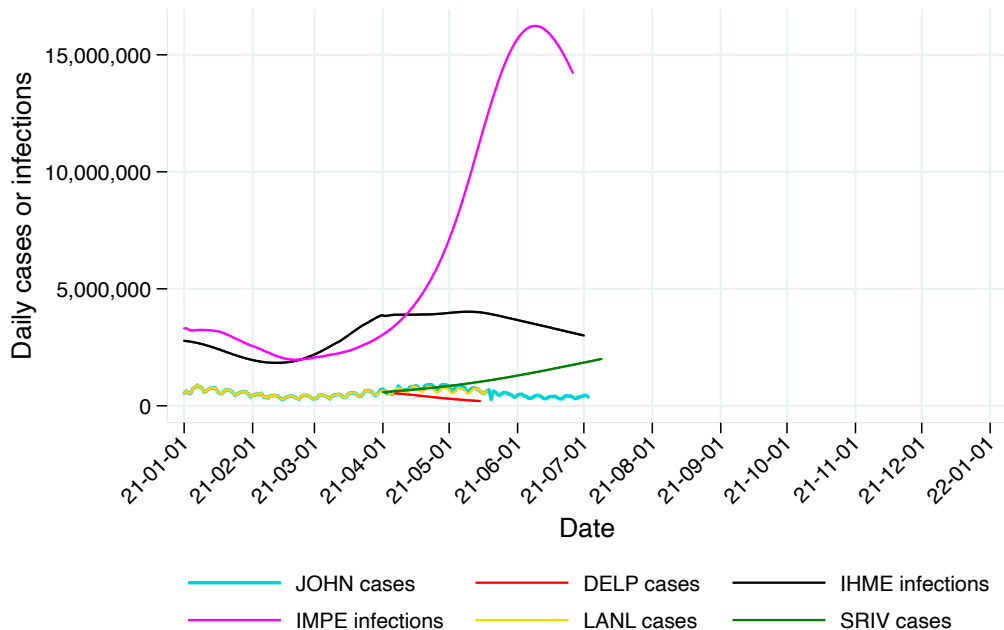


## COVID-19 daily cases or infections, global, reference scenarios



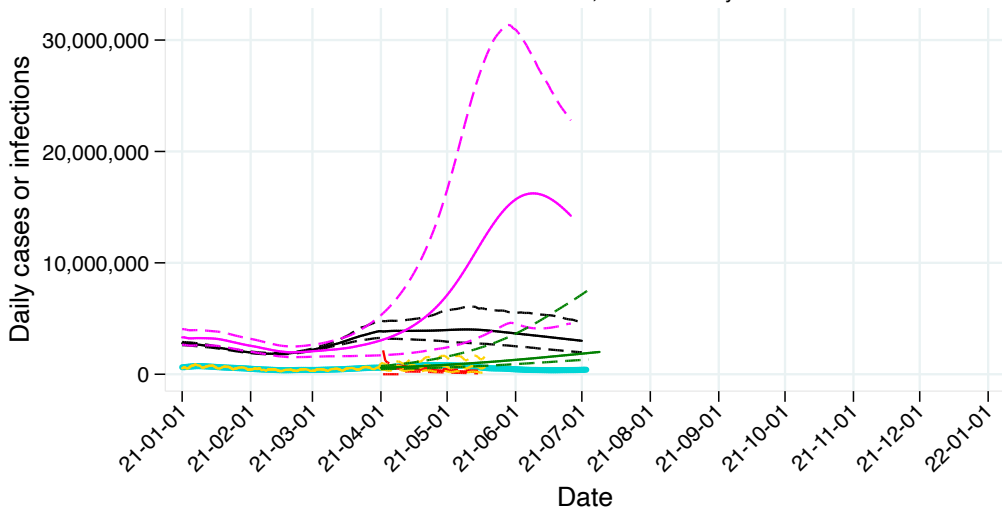
# COVID-19 daily cases or infections, global, reference scenarios

after 2021-01-01



# COVID-19 daily cases or infections, global, reference scenarios

after 2021-01-01, w/ uncertainty

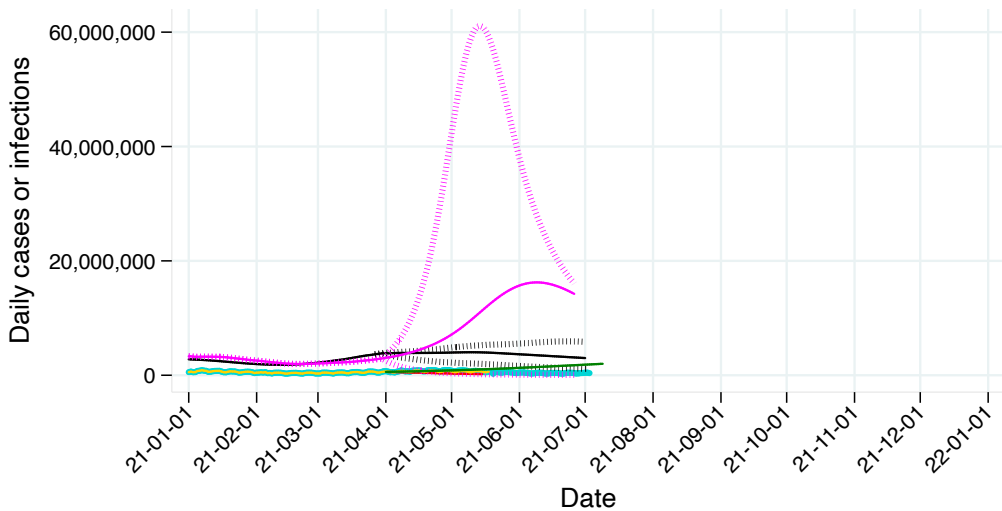


JOHN cases      DELP cases      IHME infections  
IMPE infections      LANL cases      SRIV cases

Uncertainty limits: dashed curves

# COVID-19 daily cases or infections, global, 3 scenarios

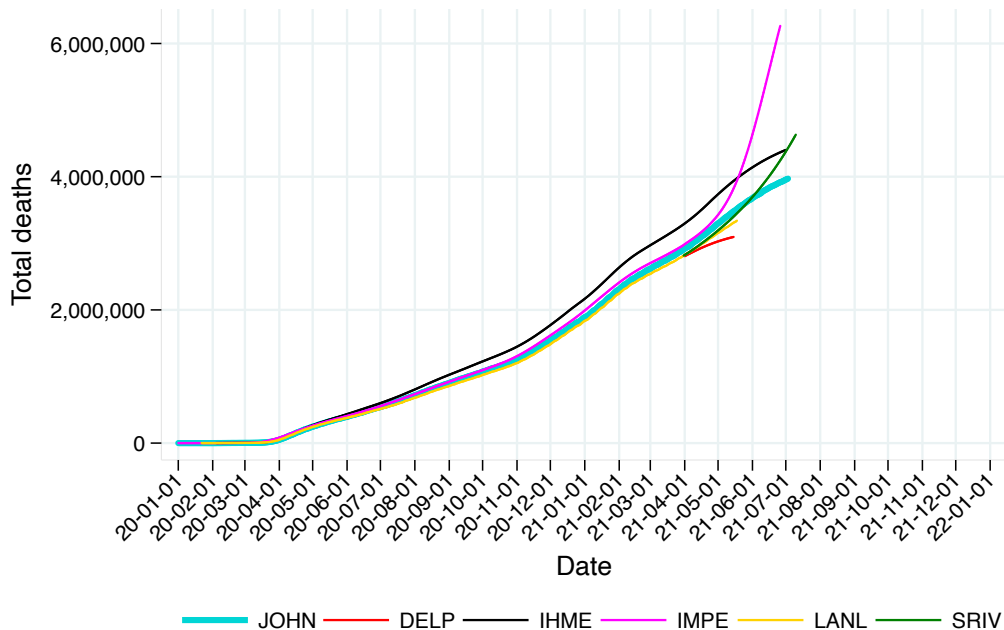
after 2021-01-01



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

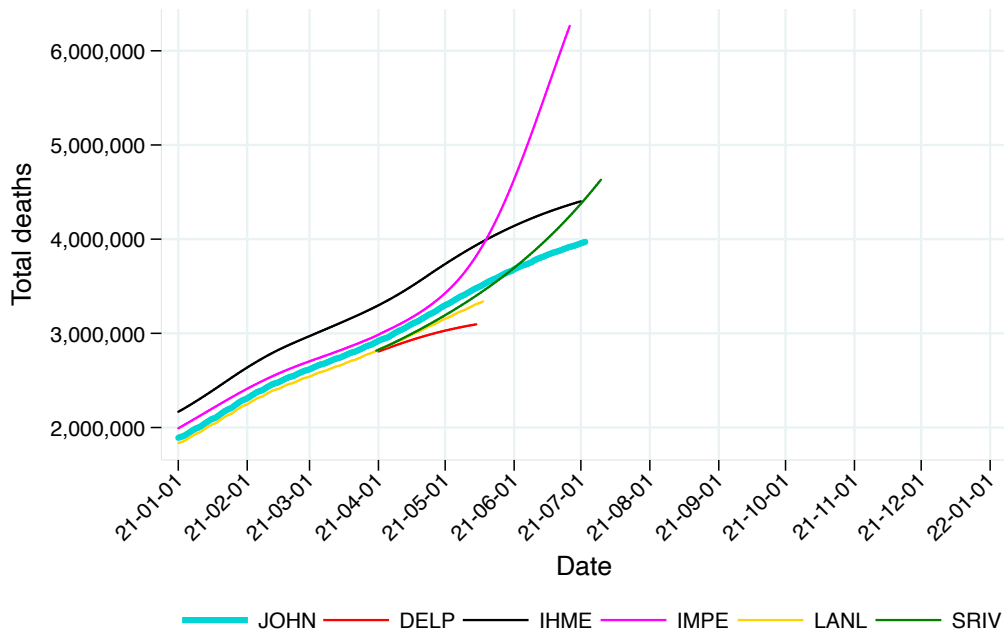
Better and worse scenarios: tight dot (|||||) curves; IHME and IMPE

## COVID-19 total deaths, global, reference scenarios



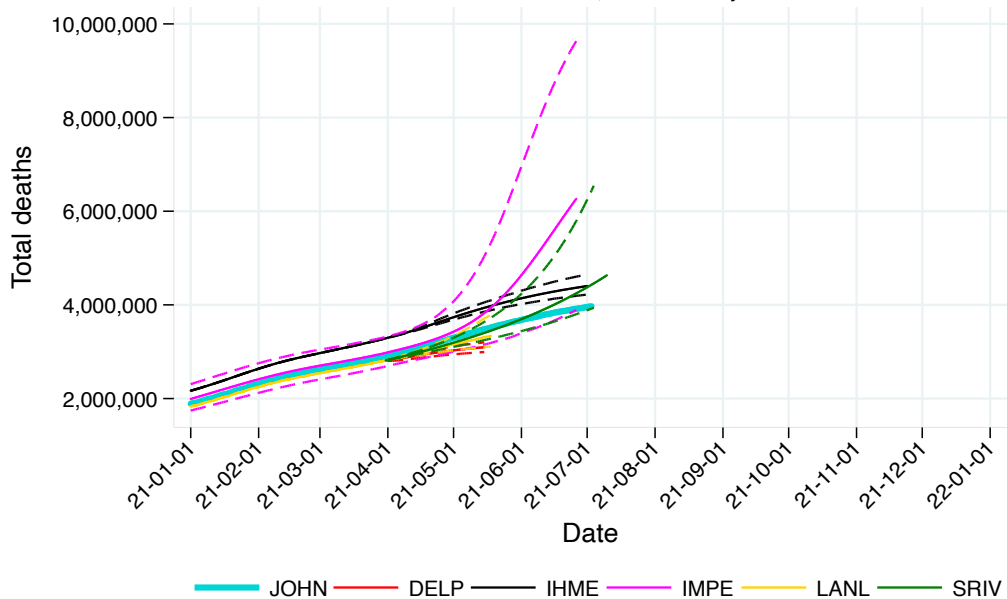
# COVID-19 total deaths, global, reference scenarios

after 2021-01-01



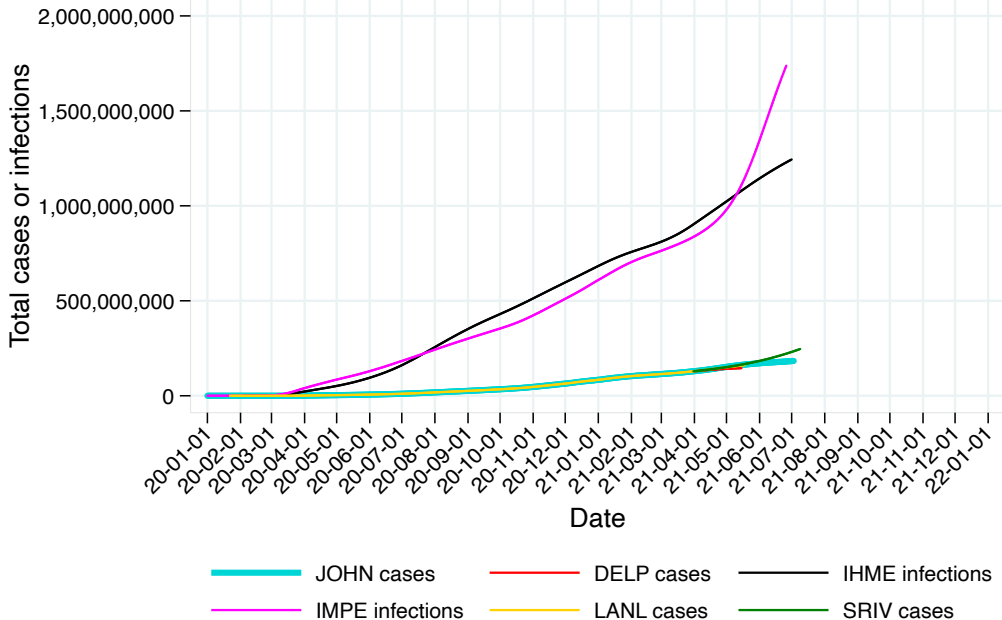
# COVID-19 total deaths, global, reference scenarios

after 2021-01-01, w/ uncertainty



Uncertainty limits: dashed curves

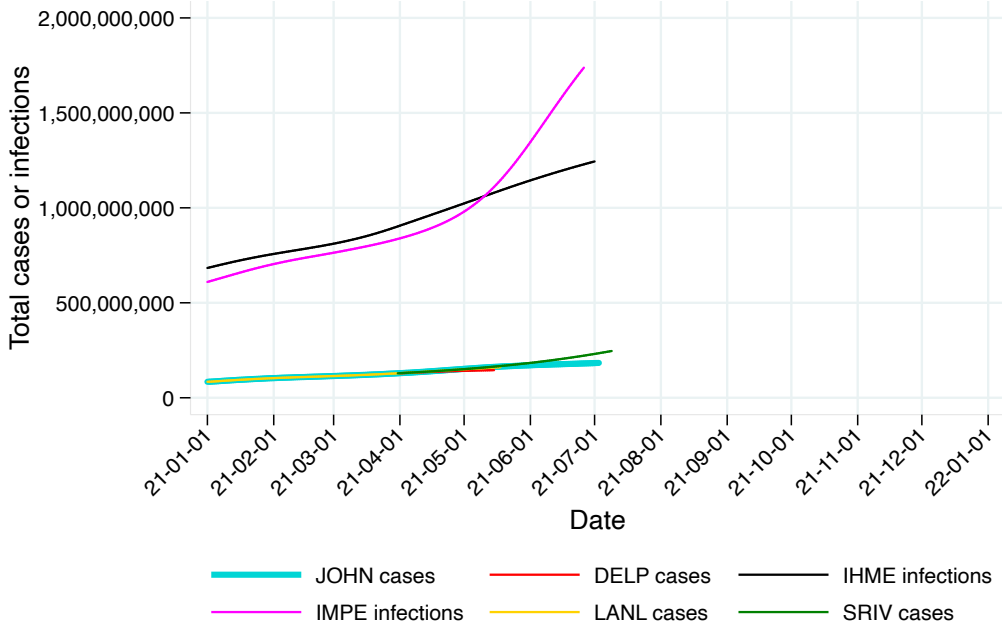
## COVID-19 total cases or infections, global, reference scenarios





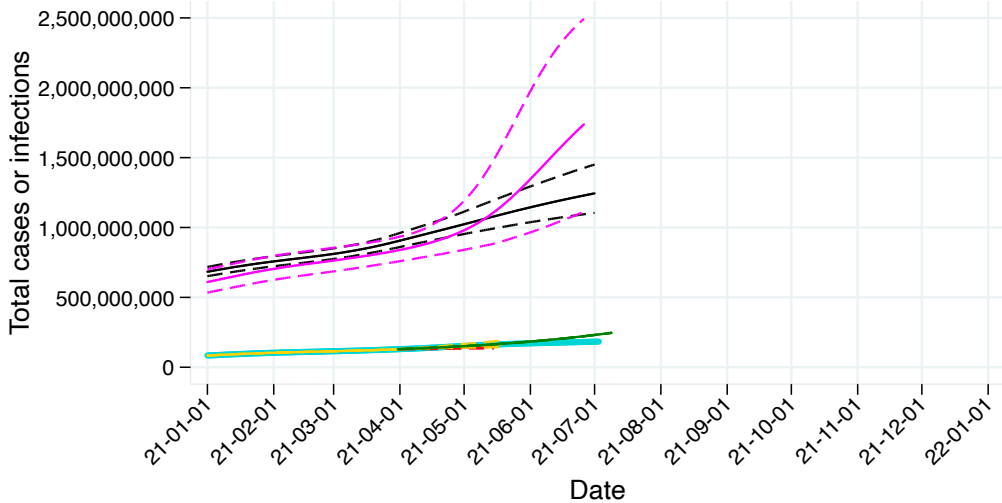
# COVID-19 total cases or infections, global, reference scenarios

after 2021-01-01



# COVID-19 total cases or infections, global, reference scenarios

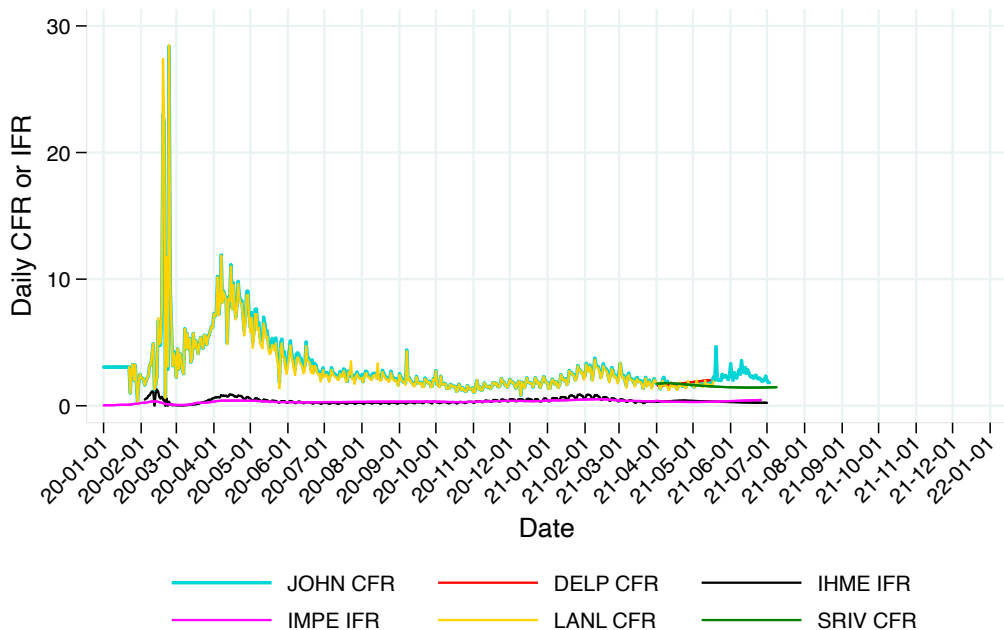
after 2021-01-01, w/ uncertainty



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

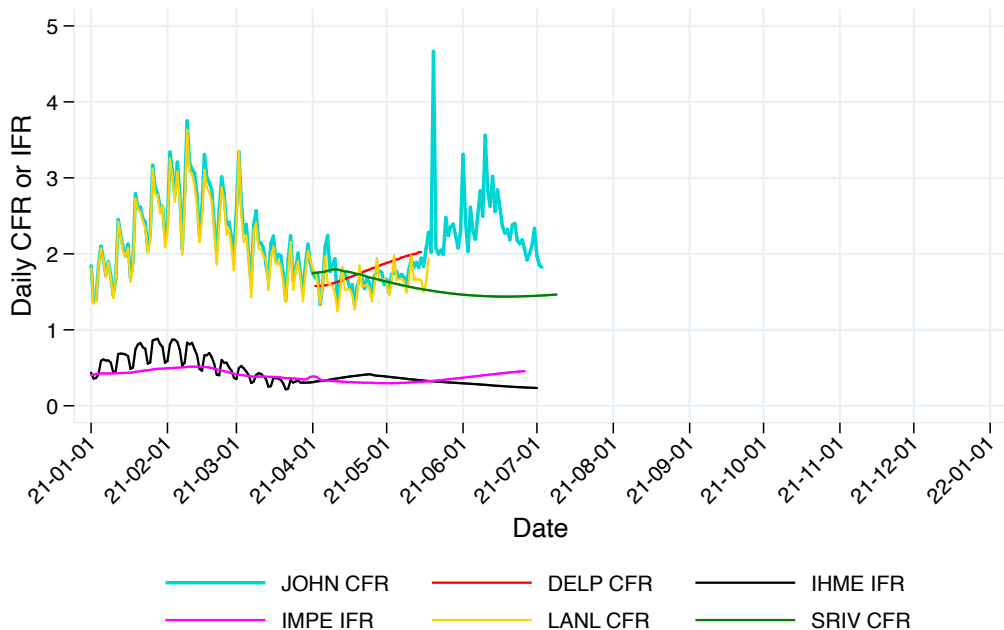
Uncertainty limits: dashed curves

## COVID-19 daily CFR or IFR, global, reference scenarios



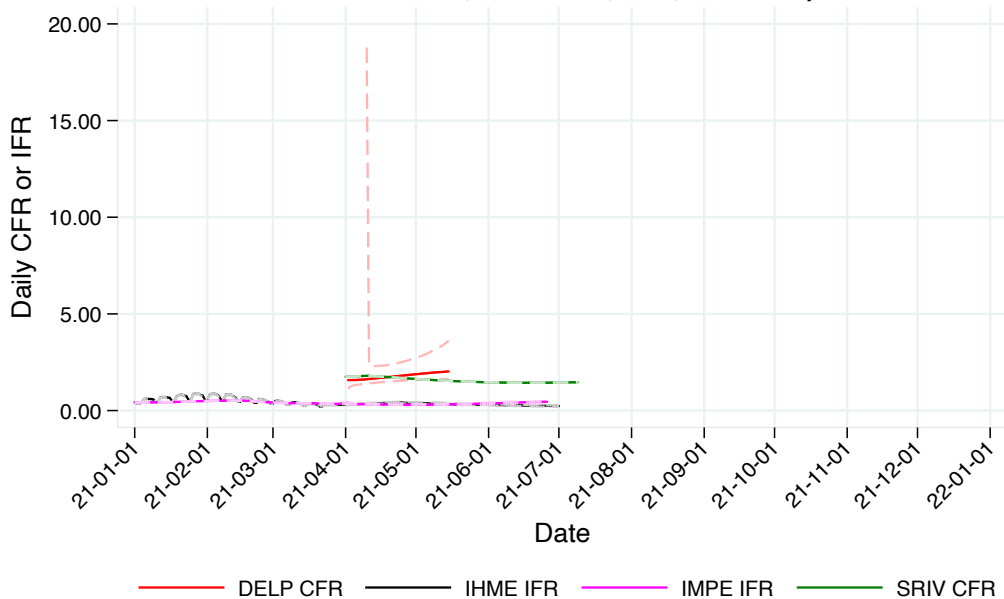
# COVID-19 daily CFR or IFR, global, reference scenarios

after 2021-01-01



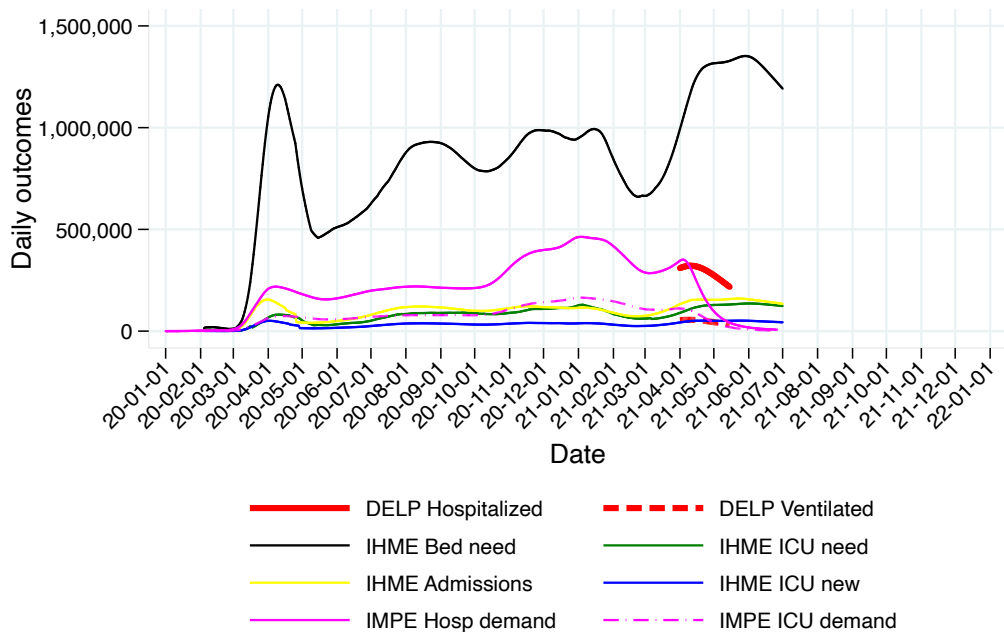
# COVID-19 daily CFR or IFR, global, reference scenarios

after 2021-01-01, without JOHN, LANL, w/ uncertainty



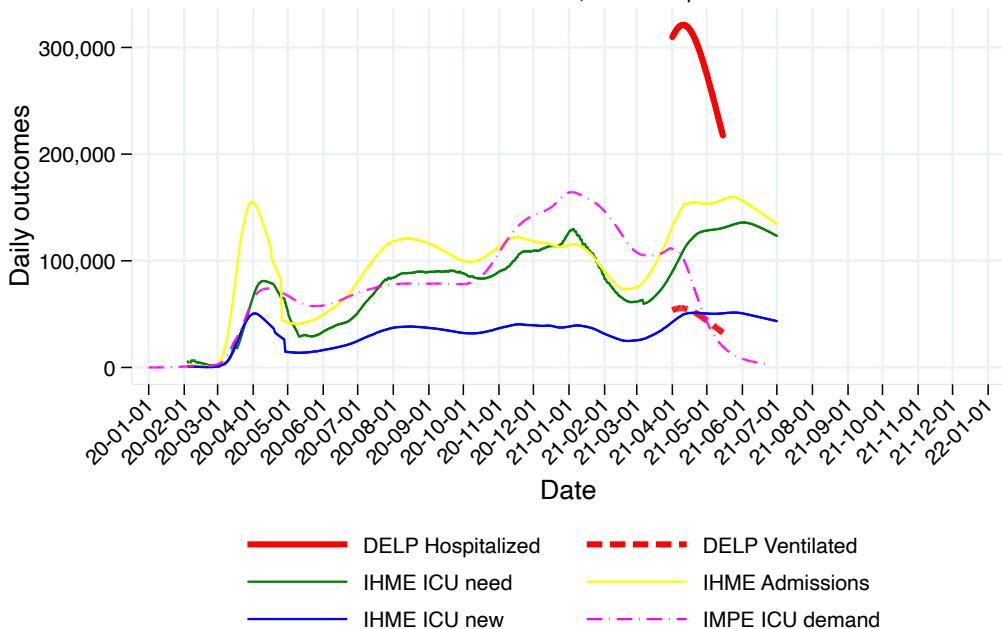
Uncertainty limits: dashed light curves.

# COVID-19 daily hospital-related outcomes global, median scenarios



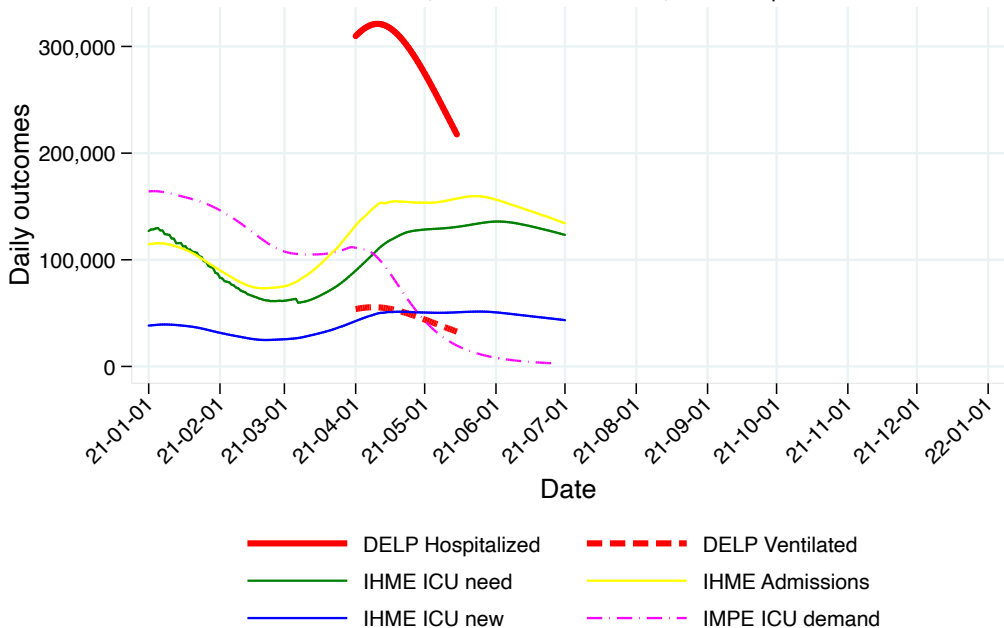
# COVID-19 daily hospital-related outcomes global, median scenarios

without IHME Bed need, IMPE Hosp demand



# COVID-19 daily hospital-related outcomes global, median scenarios

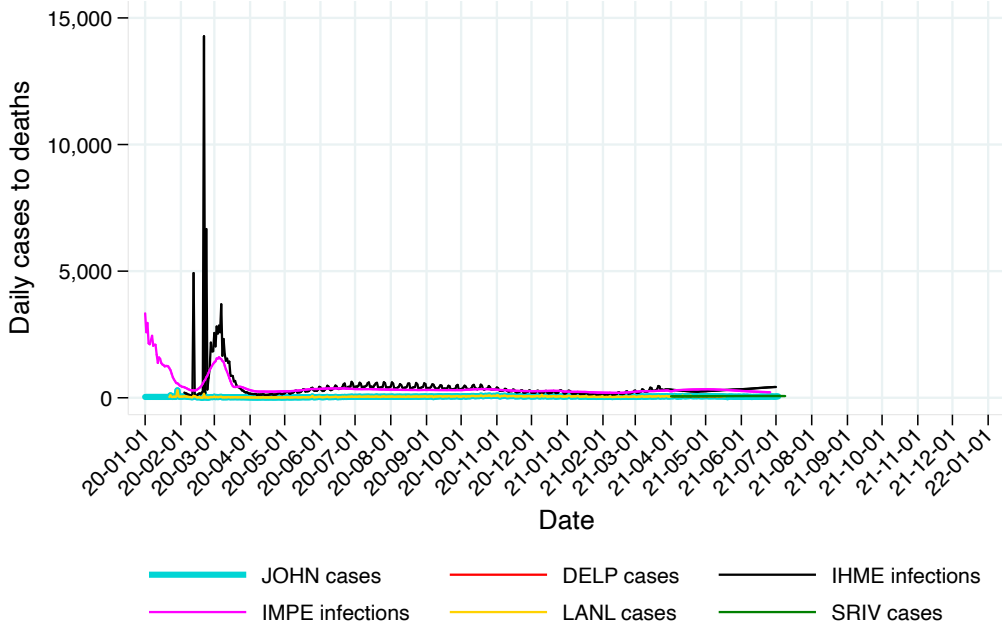
after 2021-01-01, without IHME Bed need, IMPE Hosp demand





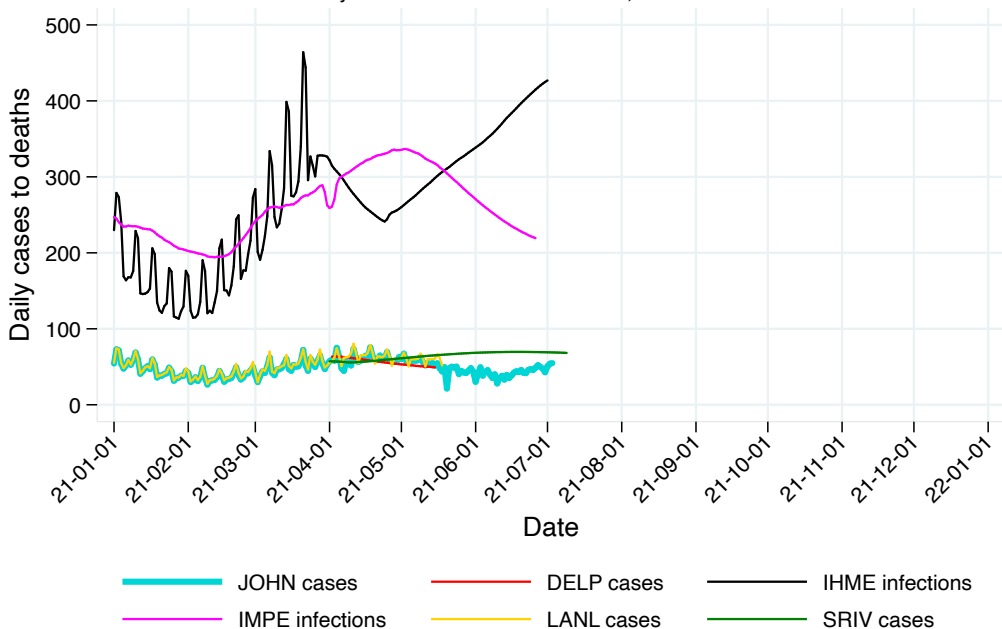
# COVID-19 daily cases to deaths, global, reference scenarios

daily cases or infections to deaths



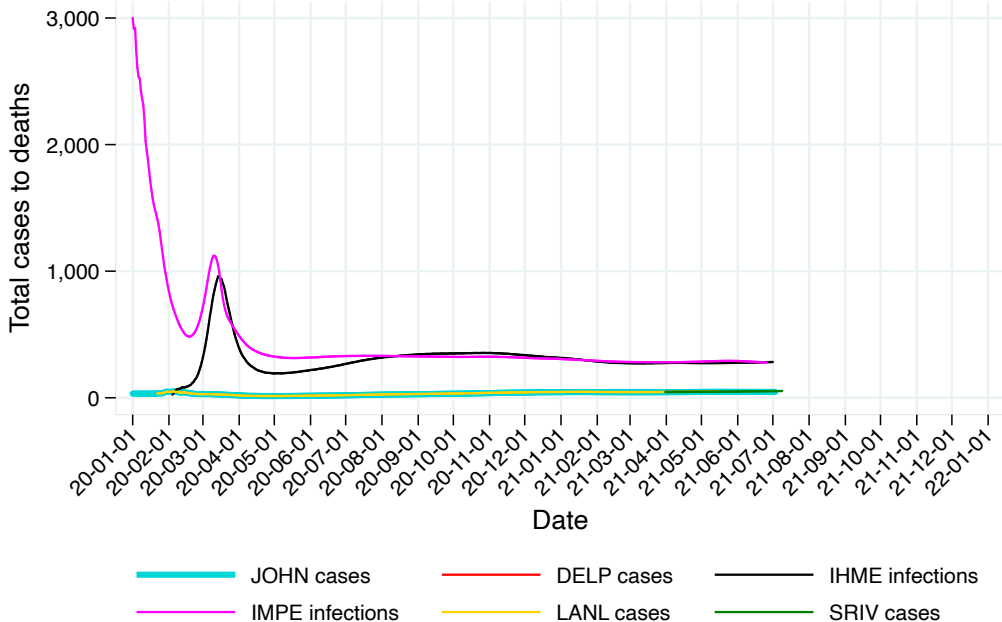
# COVID-19 daily cases to deaths, global, reference scenarios

daily cases or infections to deaths; after 2021-01-01



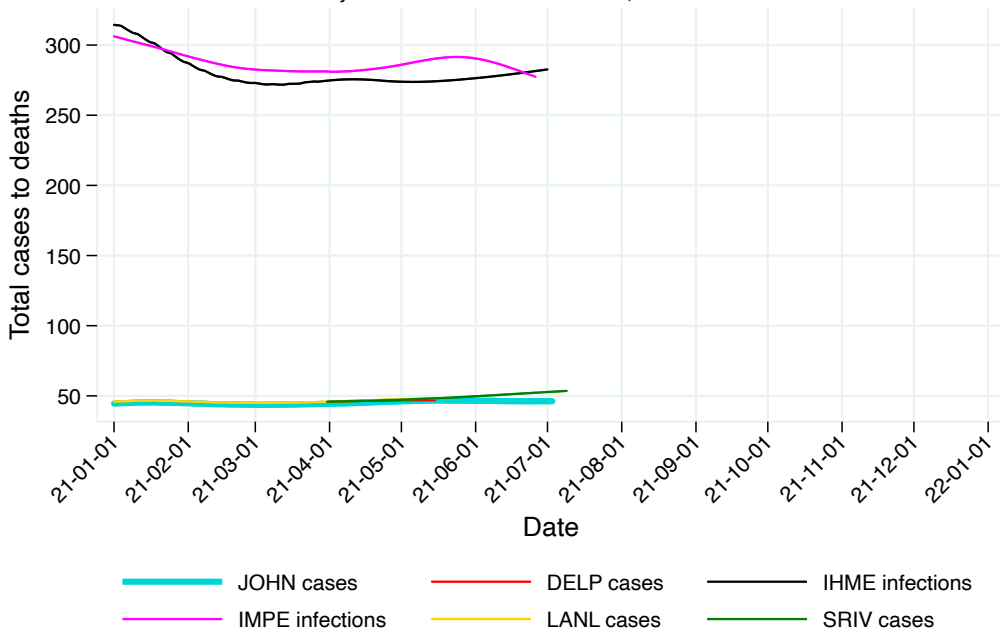
# COVID-19 total cases to deaths, global, reference scenarios

daily cases or infections to deaths

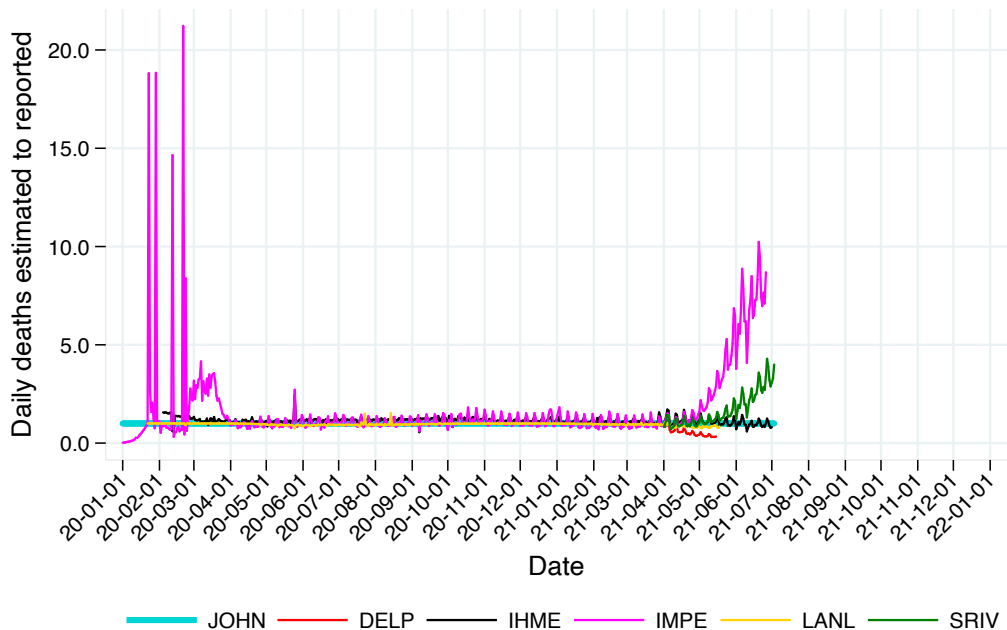


# COVID-19 total cases to deaths, global, reference scenarios

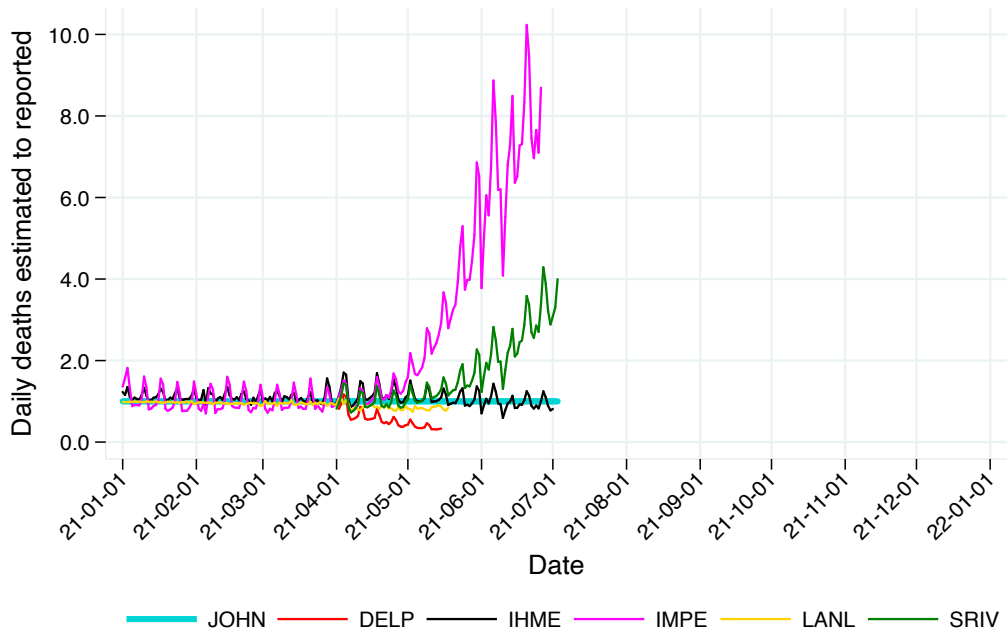
daily cases or infections to deaths; after 2021-01-01



# COVID-19 daily deaths estimated to reported, global, reference scenarios

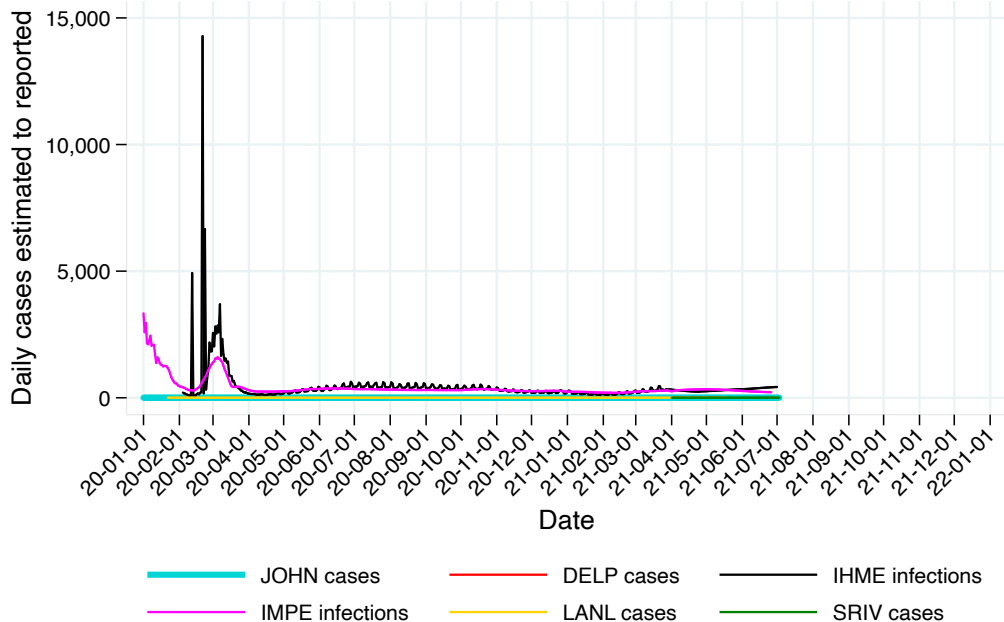


# COVID-19 daily deaths estimated to reported, global, reference scenarios



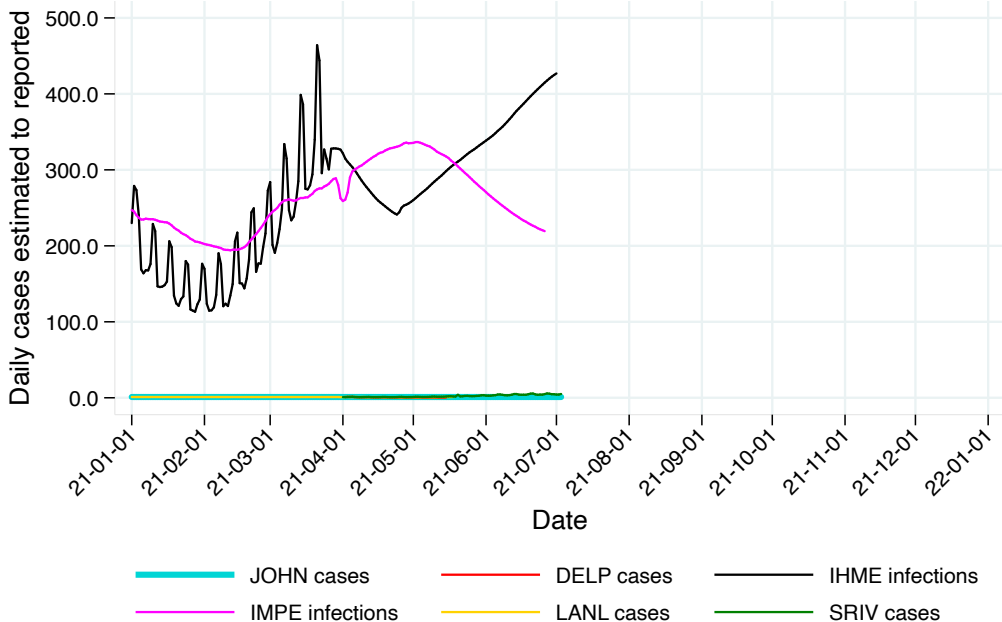
# COVID-19 daily cases estimated to reported, global, reference scenarios

daily cases or infections estimated, to reported cases



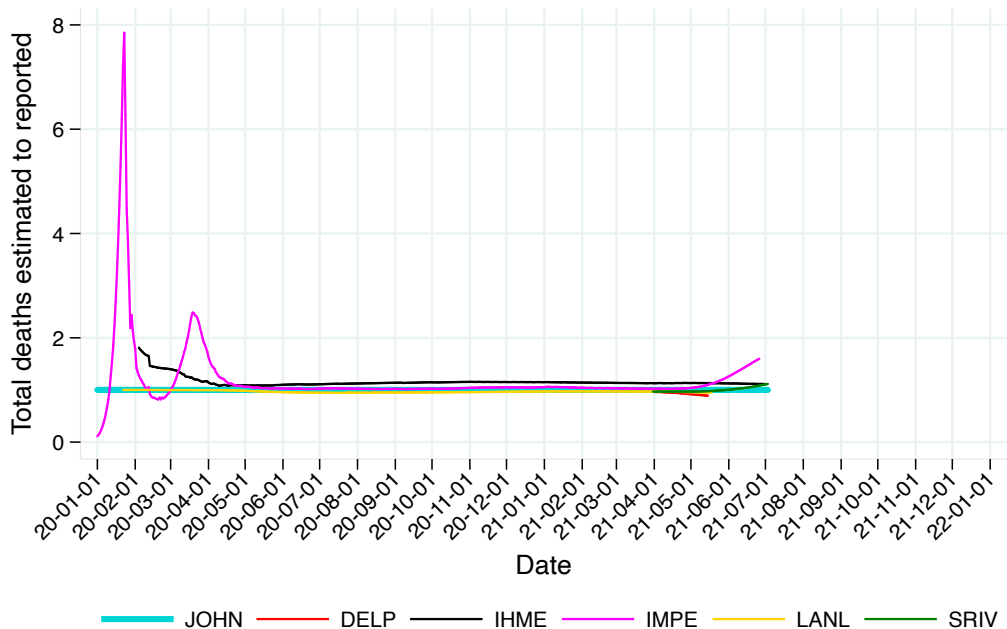
# COVID-19 daily cases estimated to reported, global, reference scenarios

daily cases or infections estimated, to reported cases

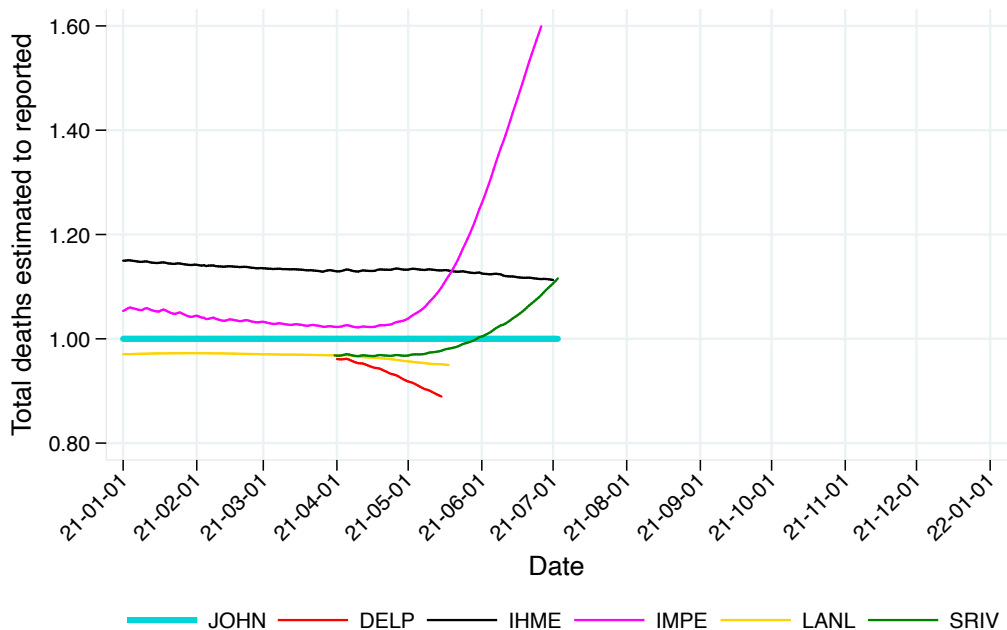




# COVID-19 total deaths estimated to reported, global, reference scenarios



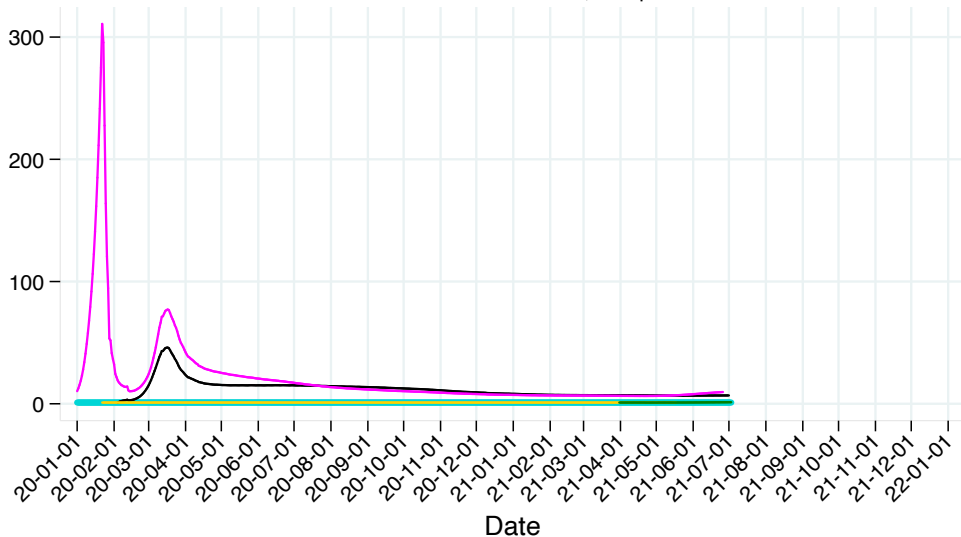
# COVID-19 total deaths estimated to reported, global, reference scenarios



# COVID-19 total cases estimated to reported, global, reference scenarios

total cases or infections estimated, to reported cases

Total cases estimated to reported



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

# COVID-19 total cases estimated to reported, global, reference scenarios

total cases or infections estimated, to reported cases

