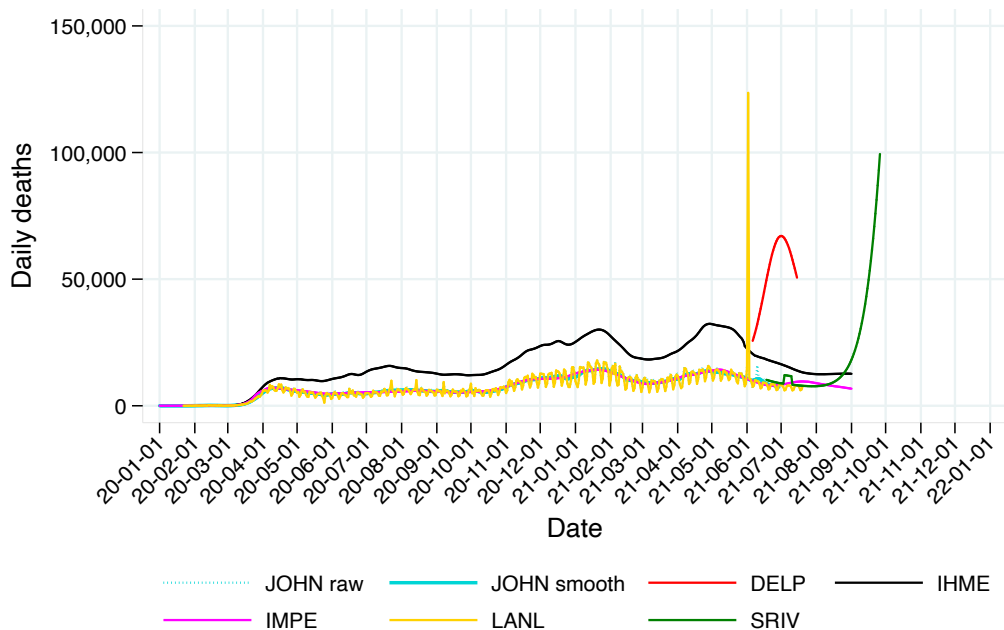
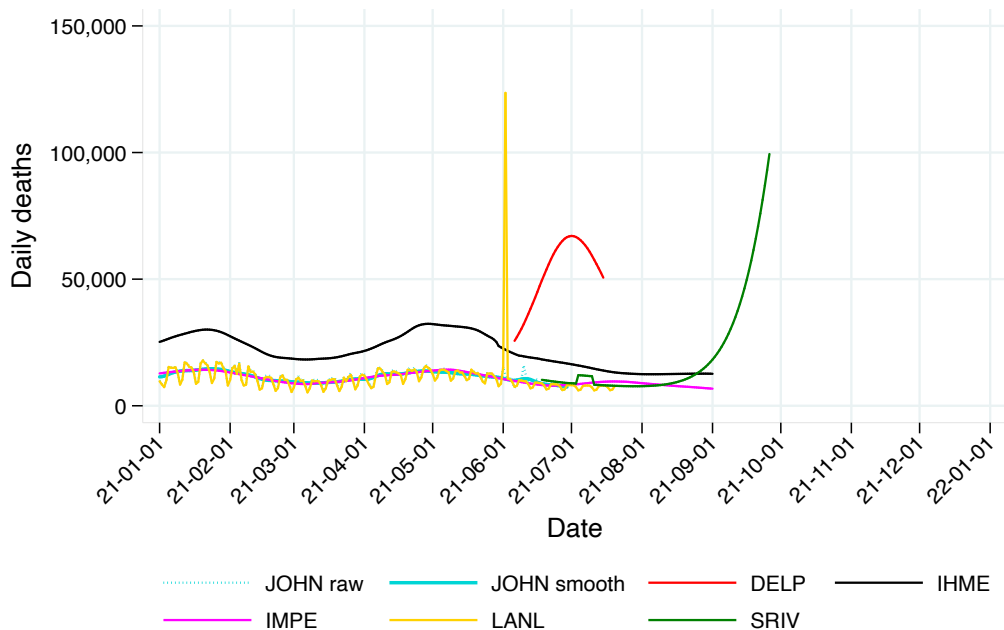


## COVID-19 daily deaths, global, reference scenarios



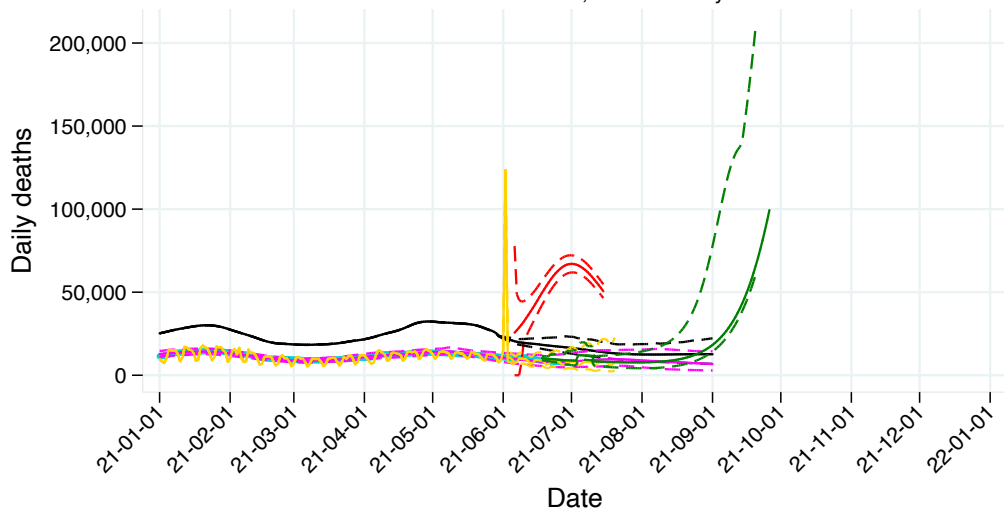
# COVID-19 daily deaths, global, reference scenarios

after 2021-01-01



# COVID-19 daily deaths, global, reference scenarios

after 2021-01-01, w/ uncertainty

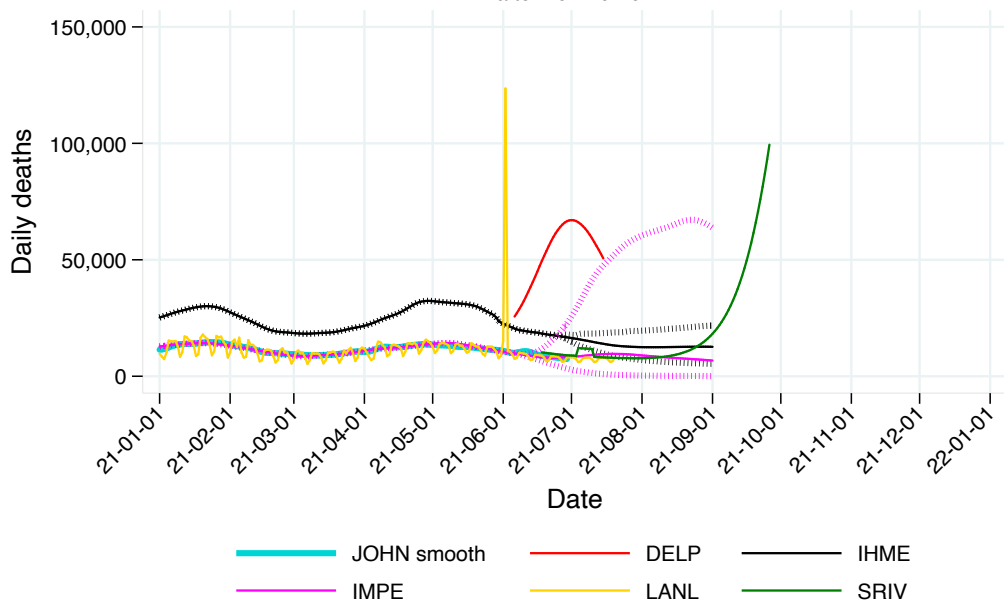


JOHN smooth      DELP      IHME  
IMPE      LANL      SRIV

Uncertainty limits: dashed curves

# COVID-19 daily deaths, global, 3 scenarios

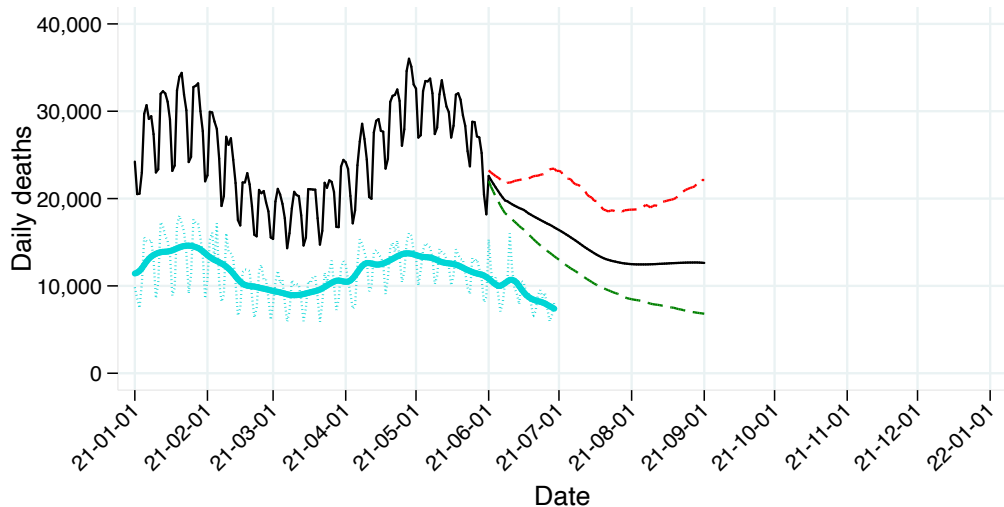
after 2021-01-01



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

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

after 2021-01-01

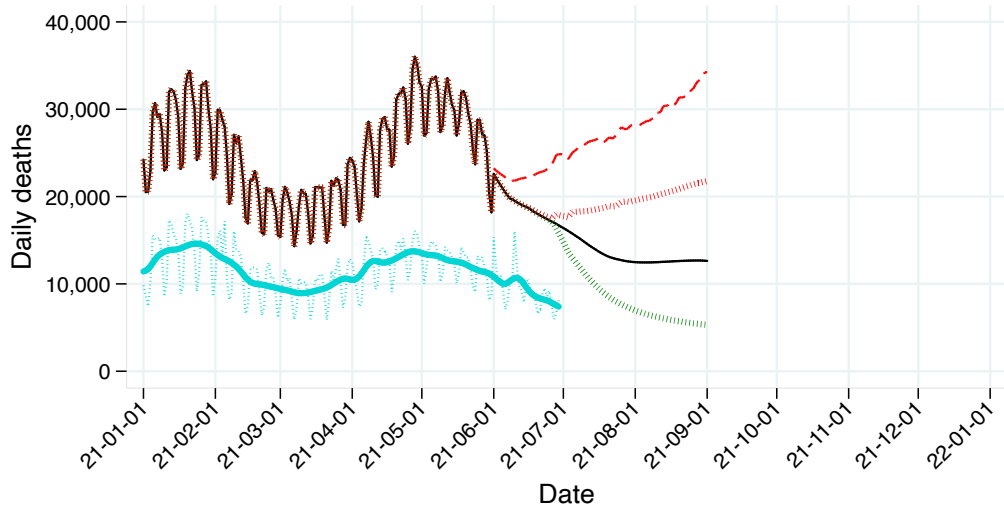


JOHN raw      JOHN smooth      IHME mean  
IHME lower      IHME upper

Uncertainty limits: dashed (---) curves

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

after 2021-01-01



JOHN raw

JOHN smooth

IHME reference

IHME best

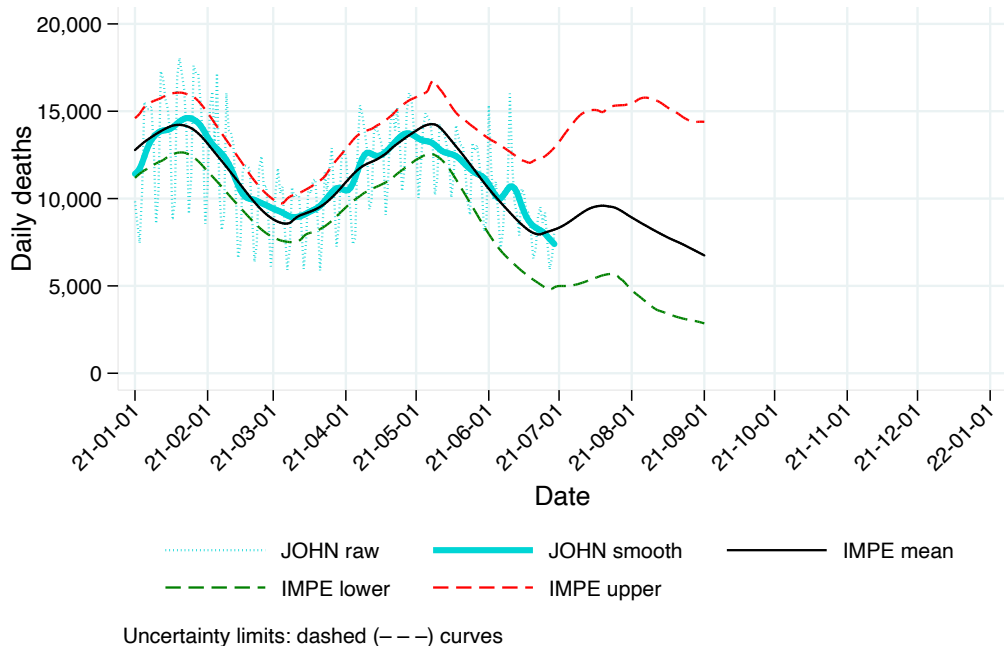
IHME worse

IHME worse upper

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

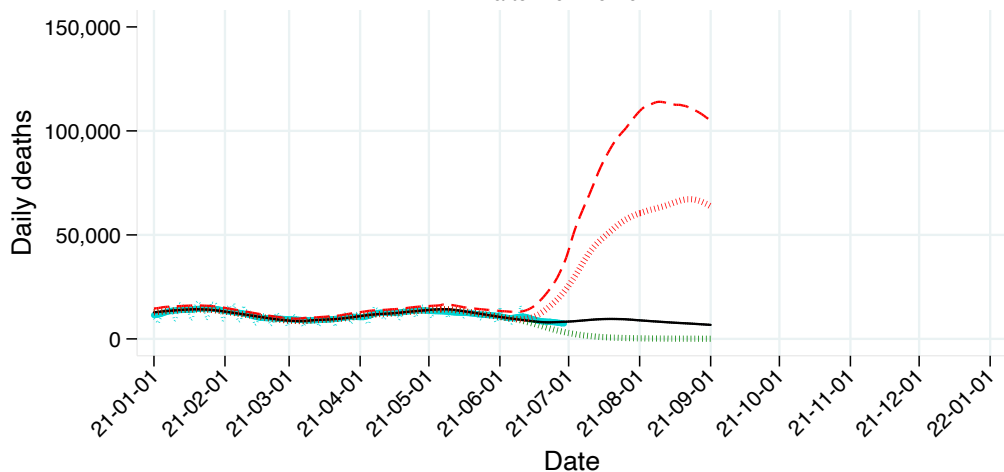
# COVID-19 daily deaths, global, reference scenario w/ uncertainty, IMPE

after 2021-01-01



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

after 2021-01-01

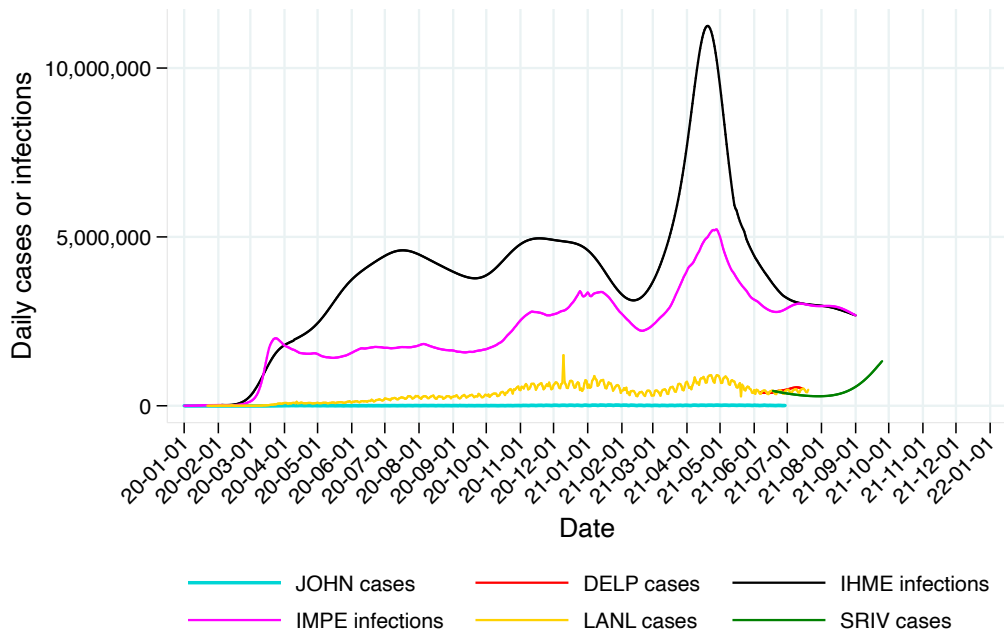


JOHN raw  
IMPE reference  
IMPE worse  
JOHN smooth  
IMPE better  
IMPE worse upper

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

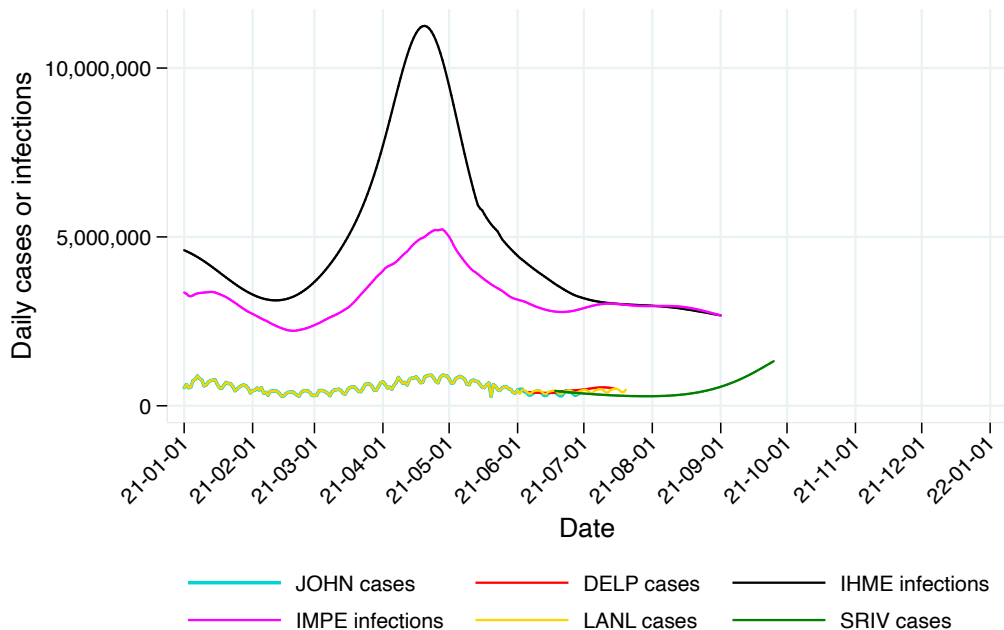


## COVID-19 daily cases or infections, global, reference scenarios



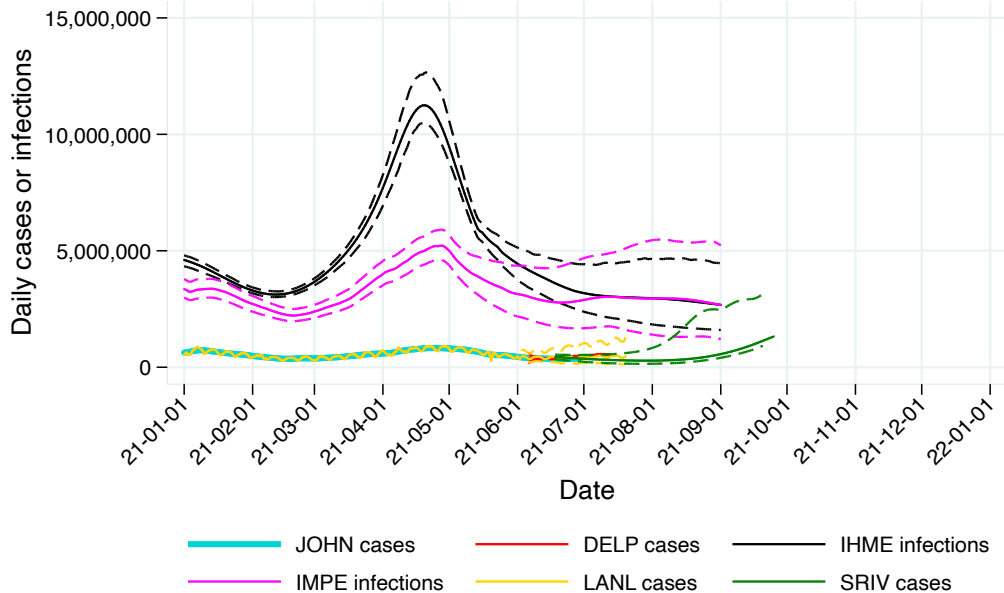
# COVID-19 daily cases or infections, global, reference scenarios

after 2021-01-01



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

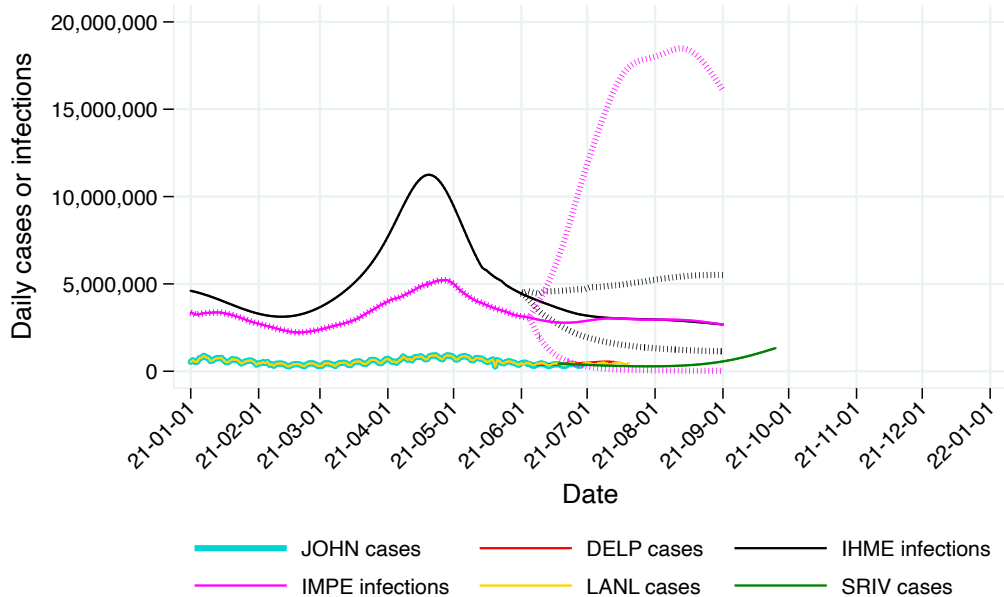
after 2021-01-01, w/ uncertainty



Uncertainty limits: dashed curves

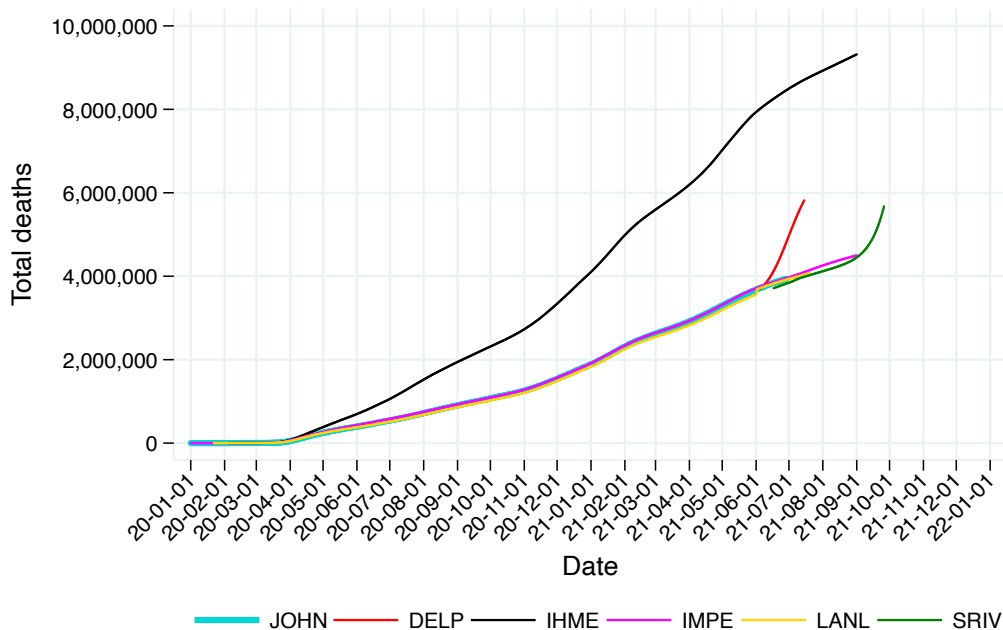
# COVID-19 daily cases or infections, global, 3 scenarios

after 2021-01-01



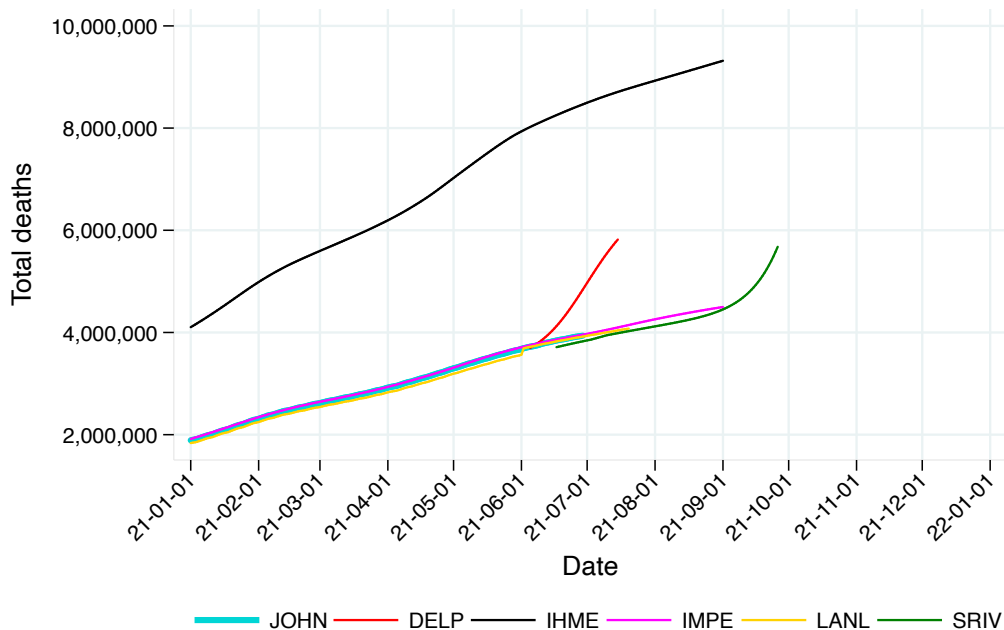
Better and worse scenarios: tight dot (|||||) curves; IHME and IMPE

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



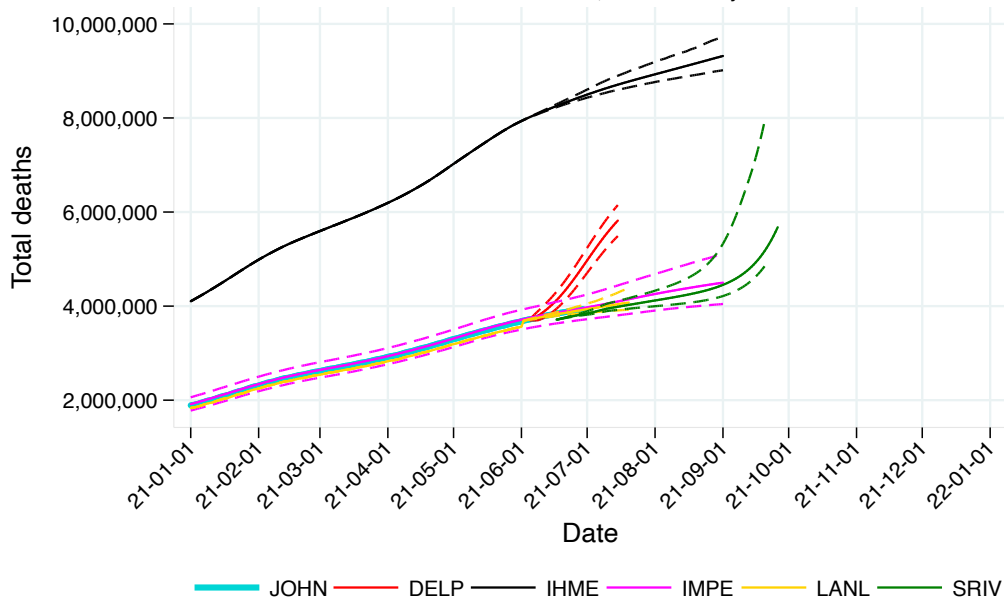
# COVID-19 total deaths, global, reference scenarios

after 2021-01-01



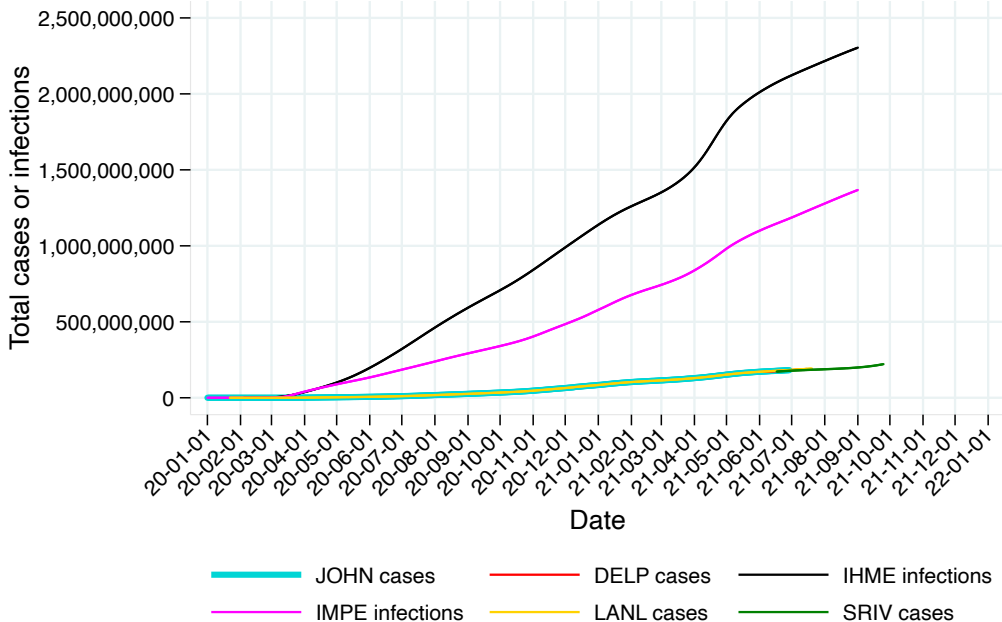
# COVID-19 total deaths, global, reference scenarios

after 2021-01-01, w/ uncertainty



Uncertainty limits: dashed curves

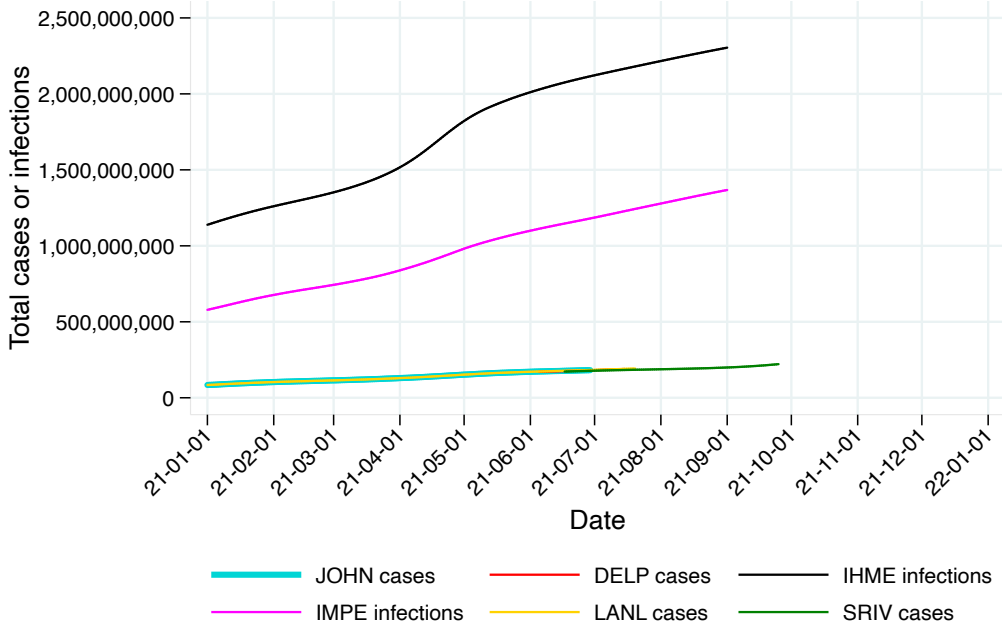
## COVID-19 total cases or infections, global, reference scenarios





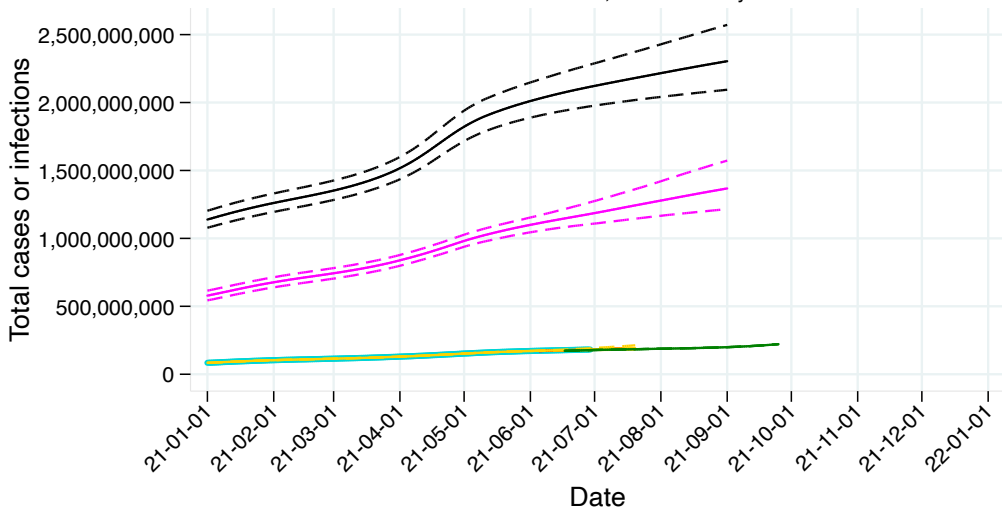
# COVID-19 total cases or infections, global, reference scenarios

after 2021-01-01



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

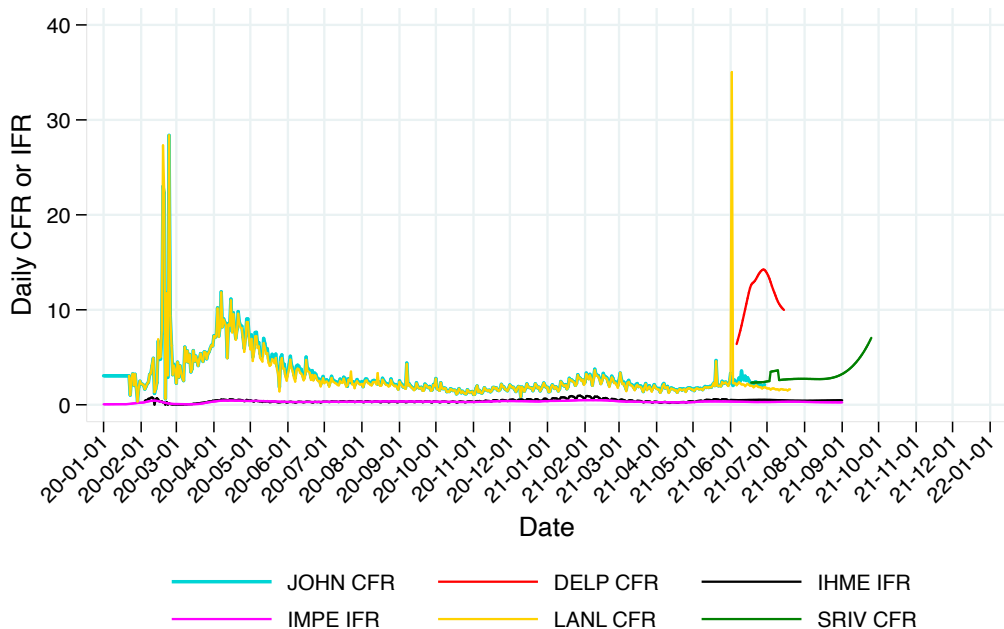
after 2021-01-01, w/ uncertainty



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

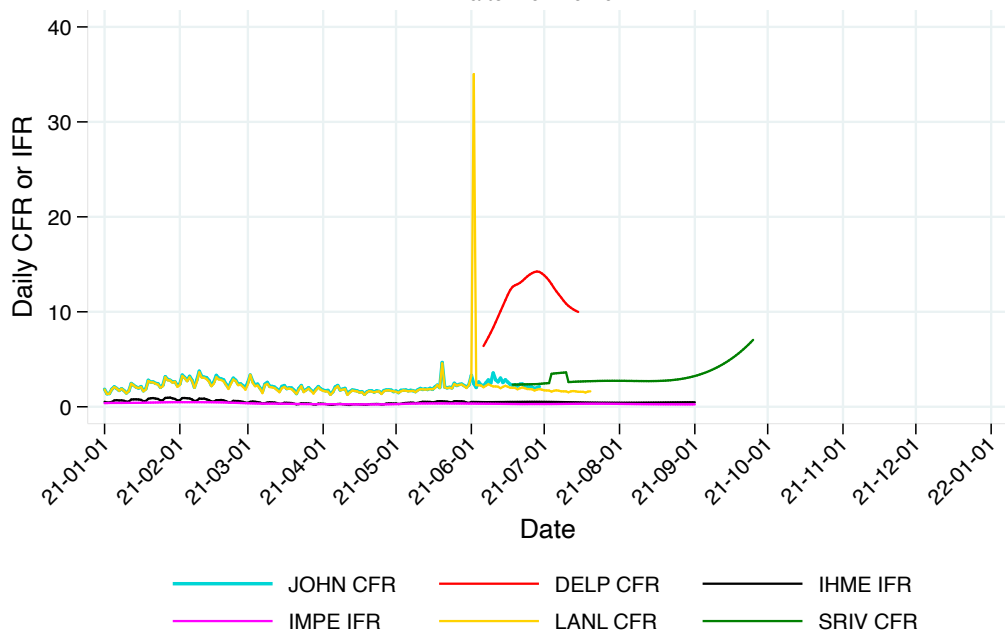
Uncertainty limits: dashed curves

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



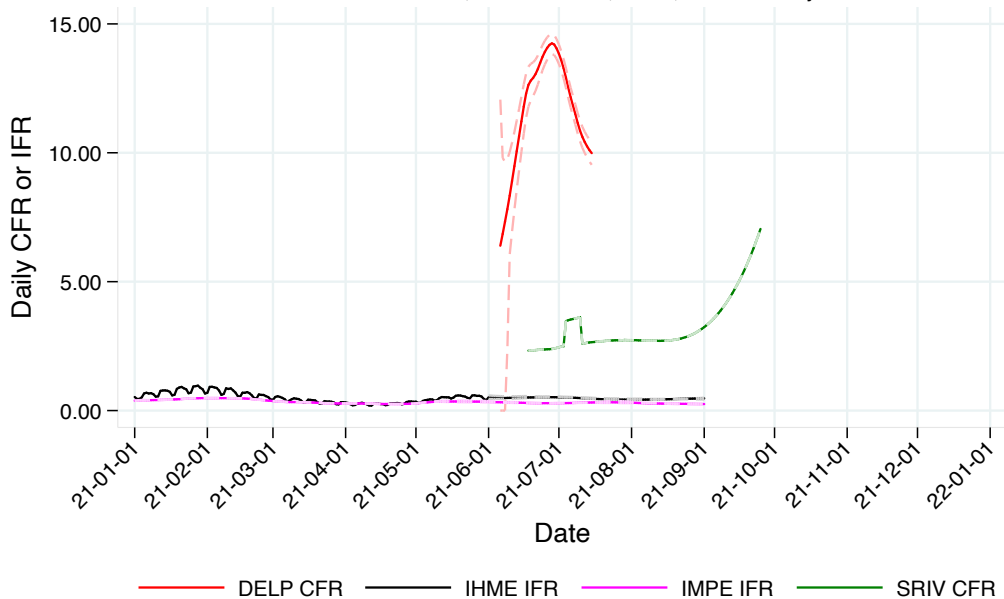
# COVID-19 daily CFR or IFR, global, reference scenarios

after 2021-01-01



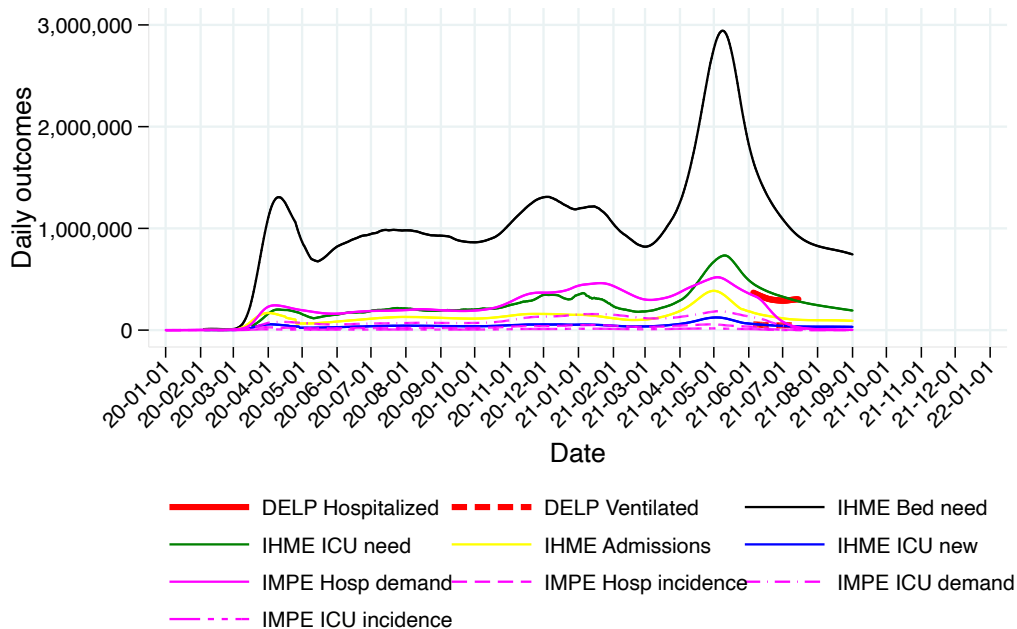
# COVID-19 daily CFR or IFR, global, reference scenarios

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



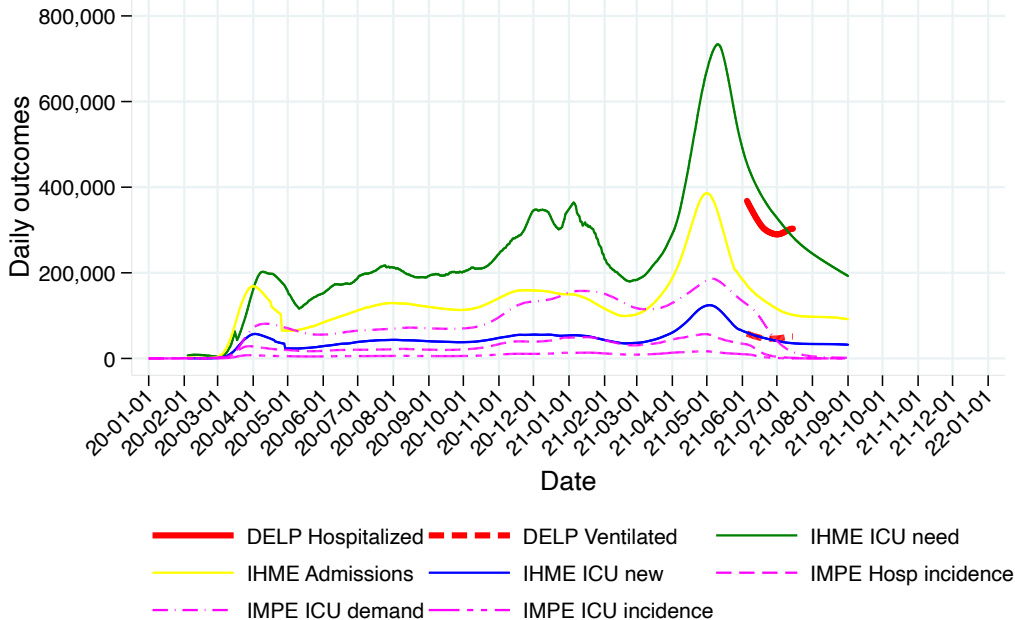
Uncertainty limits: dashed light curves.

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



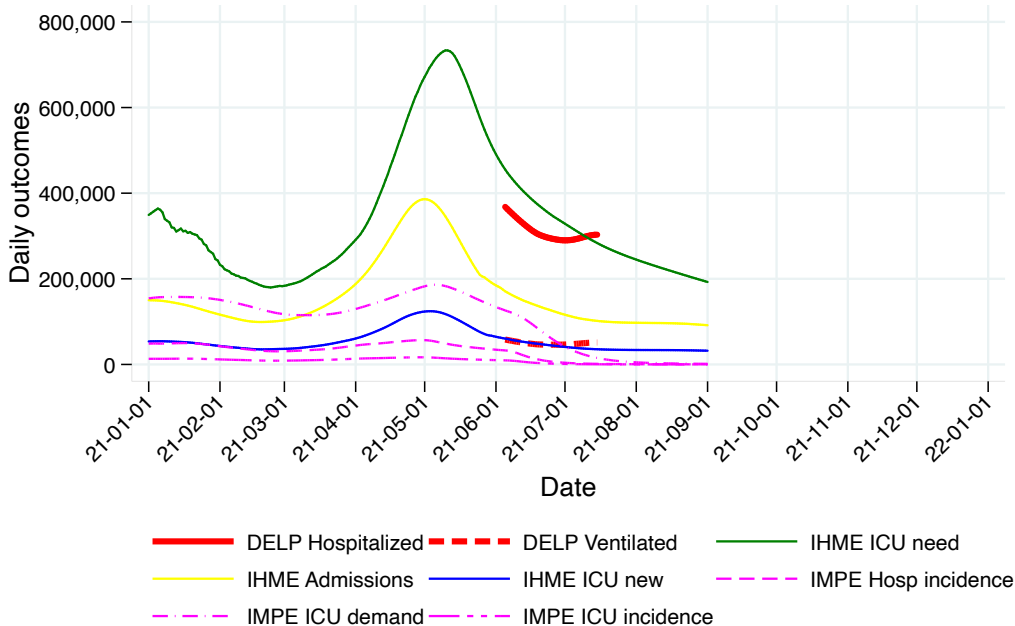
# COVID-19 daily hospital-related outcomes global, median scenarios

without IHME Bed need, IMPE Hosp demand



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

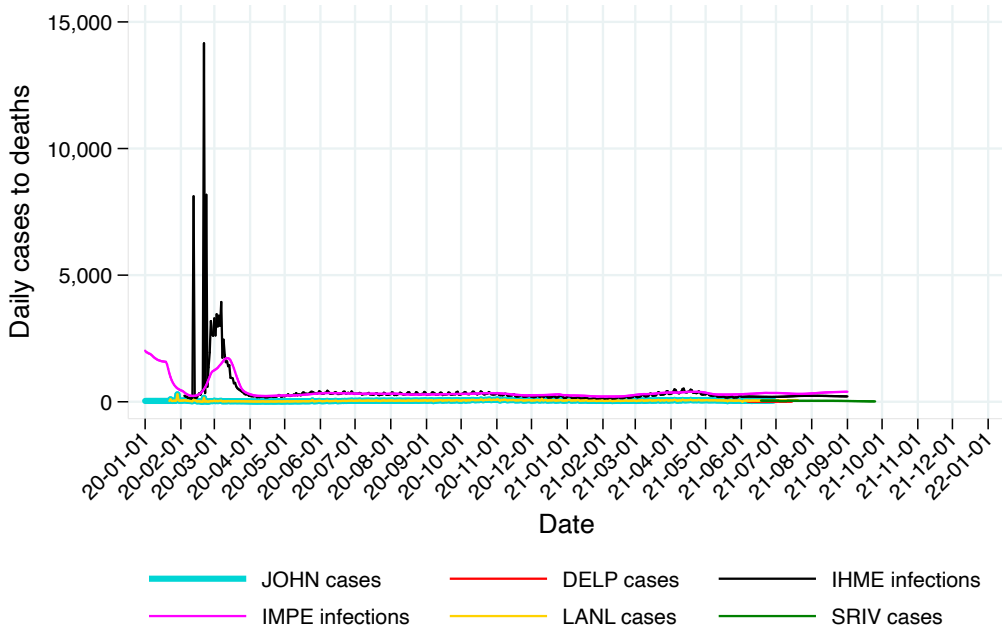
after 2021-01-01, without IHME Bed need, IMPE Hosp demand





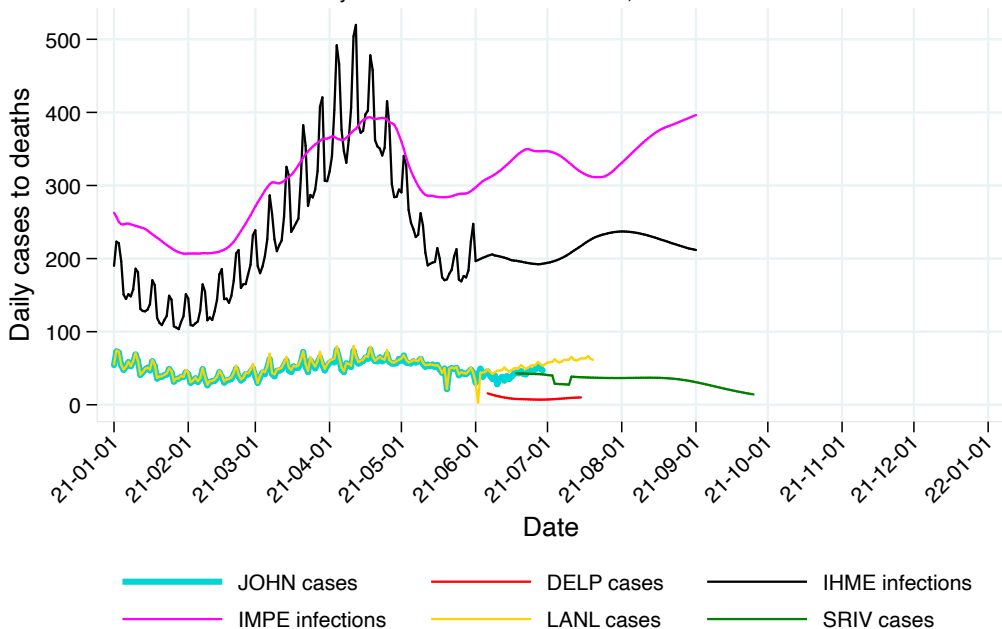
# COVID-19 daily cases to deaths, global, reference scenarios

daily cases or infections to deaths



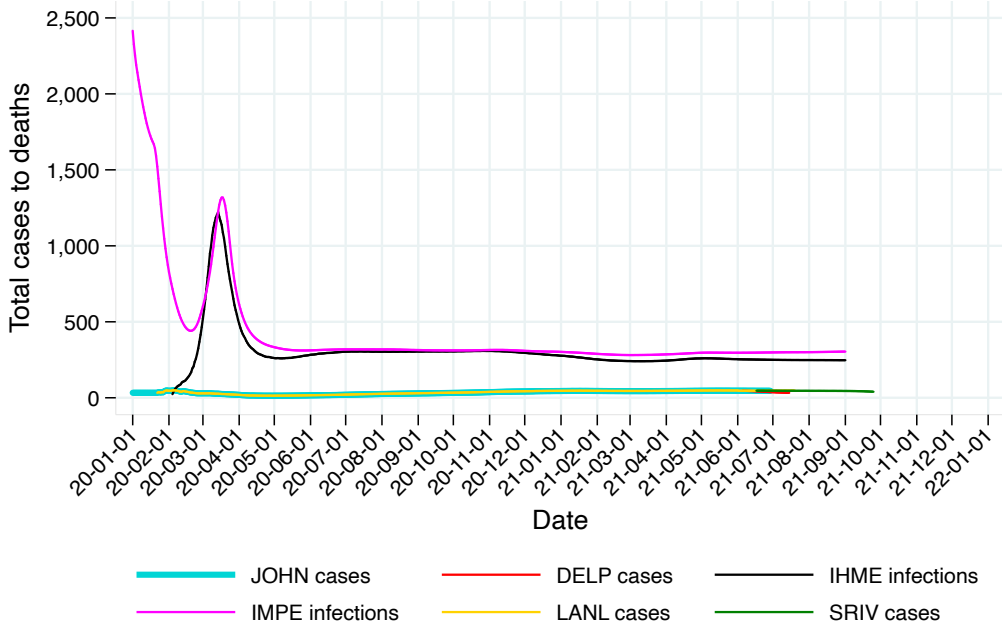
# COVID-19 daily cases to deaths, global, reference scenarios

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



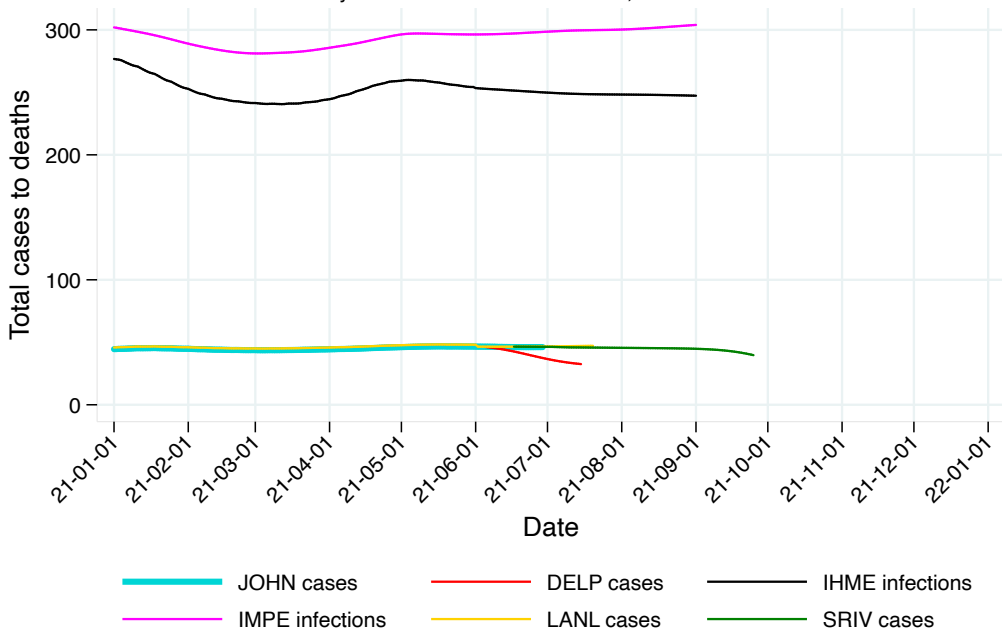
# COVID-19 total cases to deaths, global, reference scenarios

daily cases or infections to deaths

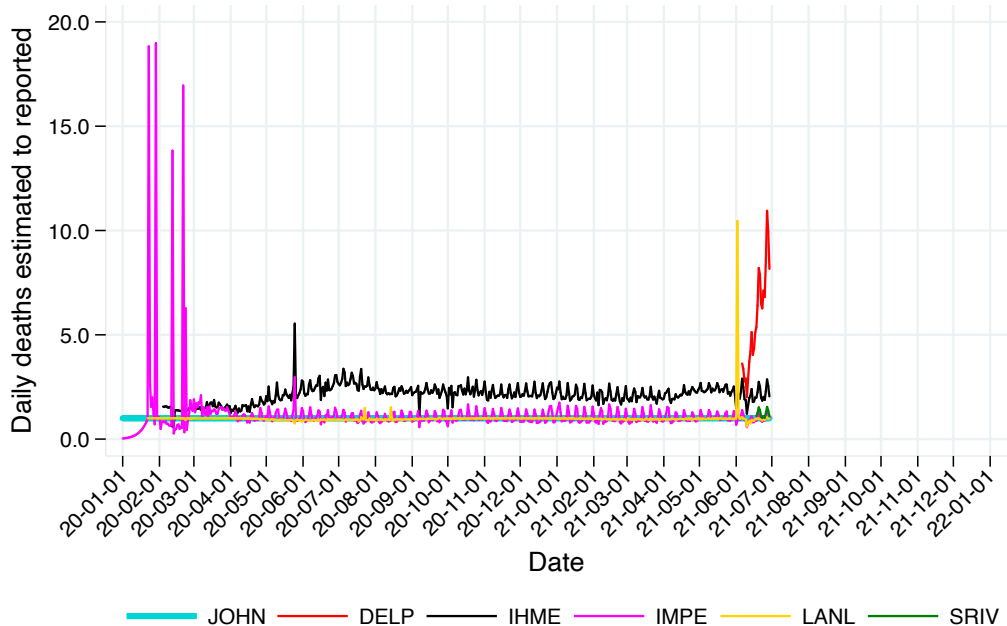


# COVID-19 total cases to deaths, global, reference scenarios

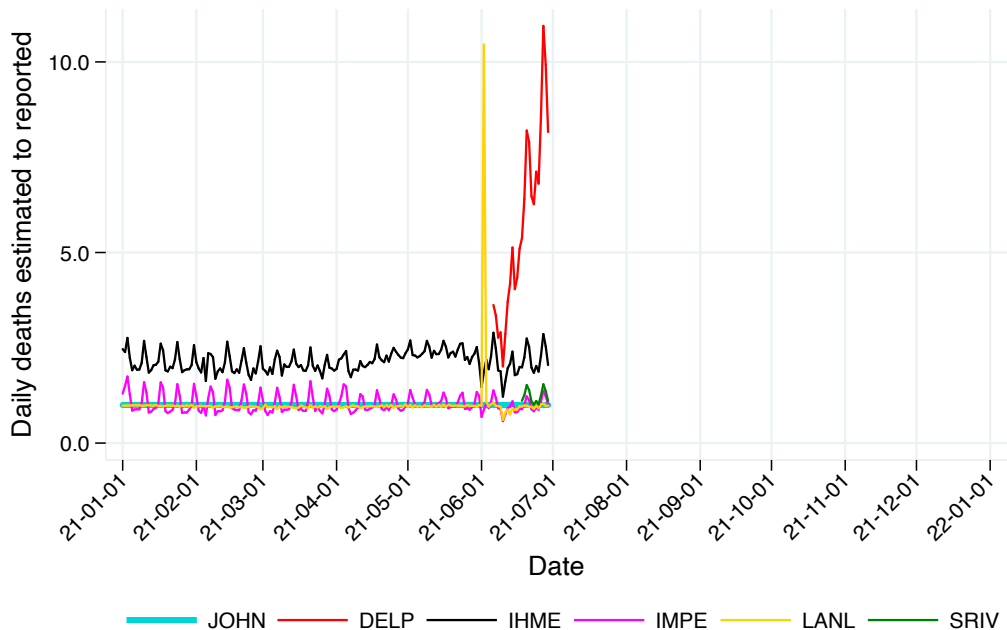
daily cases or infections to deaths; after 2021-01-01



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

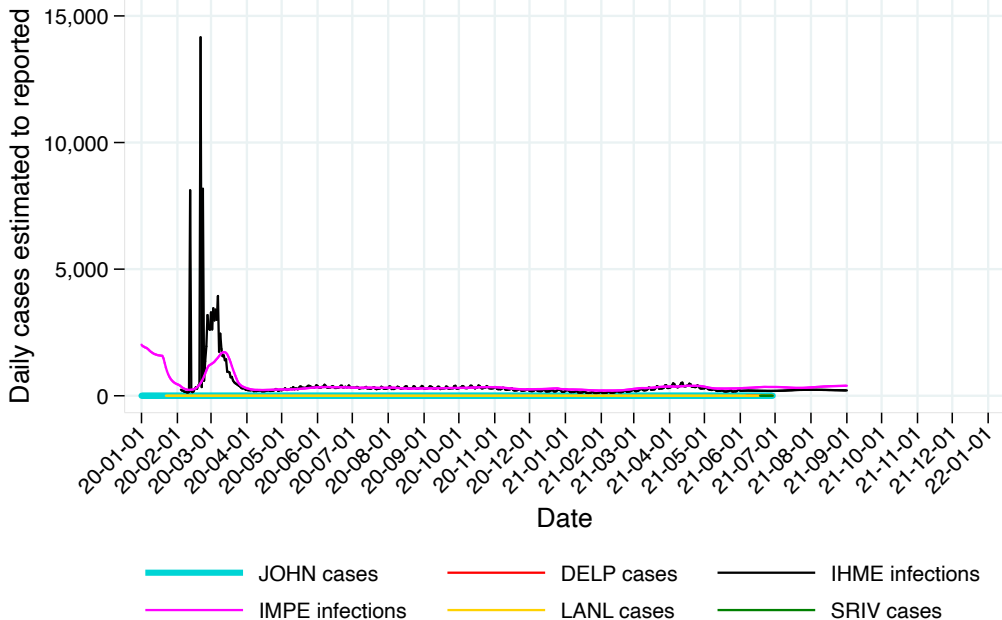


# COVID-19 daily deaths estimated to reported, global, reference scenarios



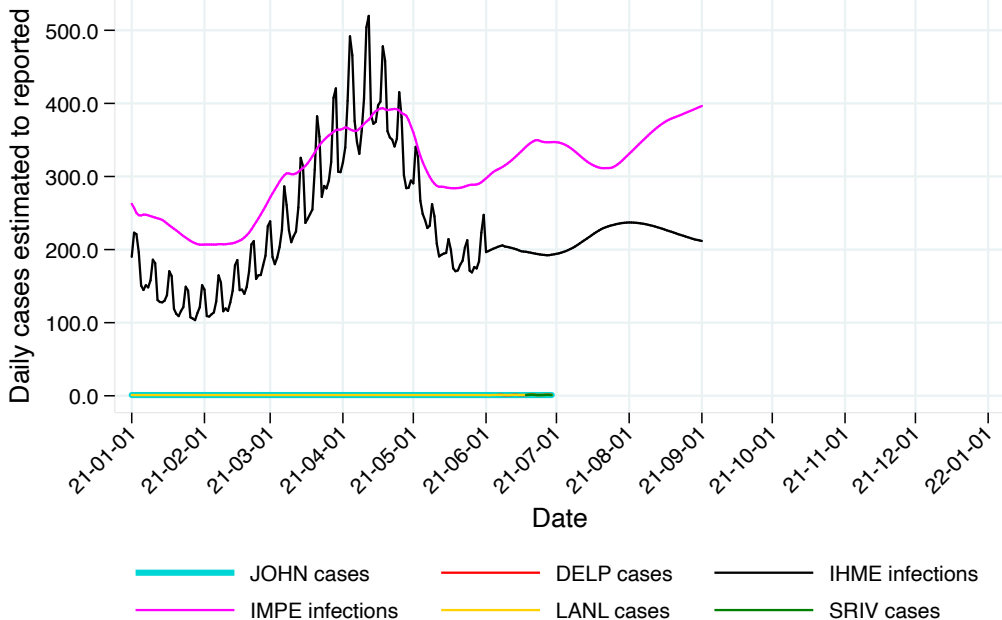
# COVID-19 daily cases estimated to reported, global, reference scenarios

daily cases or infections estimated, to reported cases



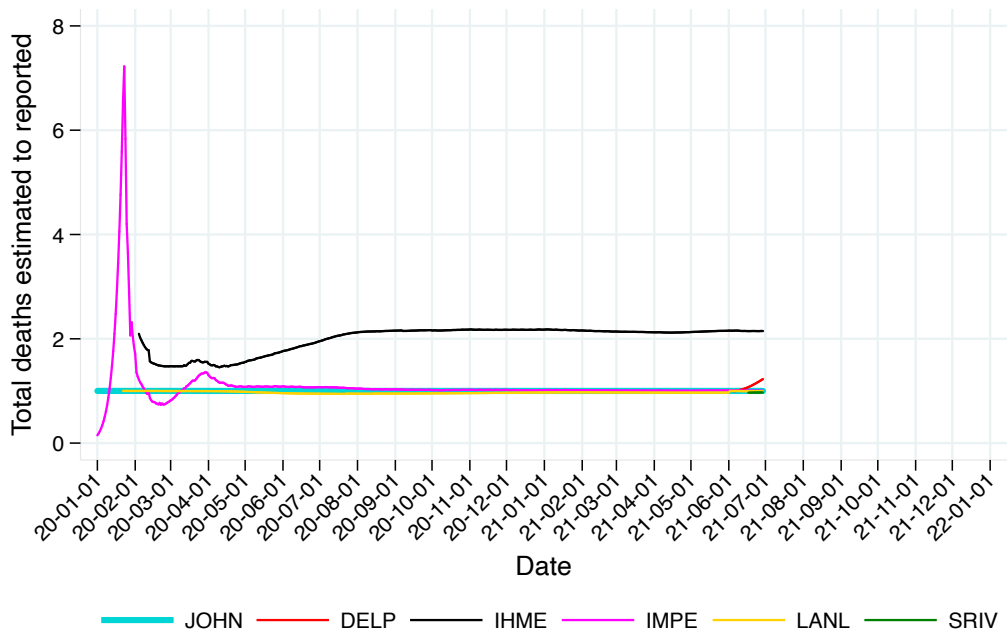
# COVID-19 daily cases estimated to reported, global, reference scenarios

daily cases or infections estimated, to reported cases

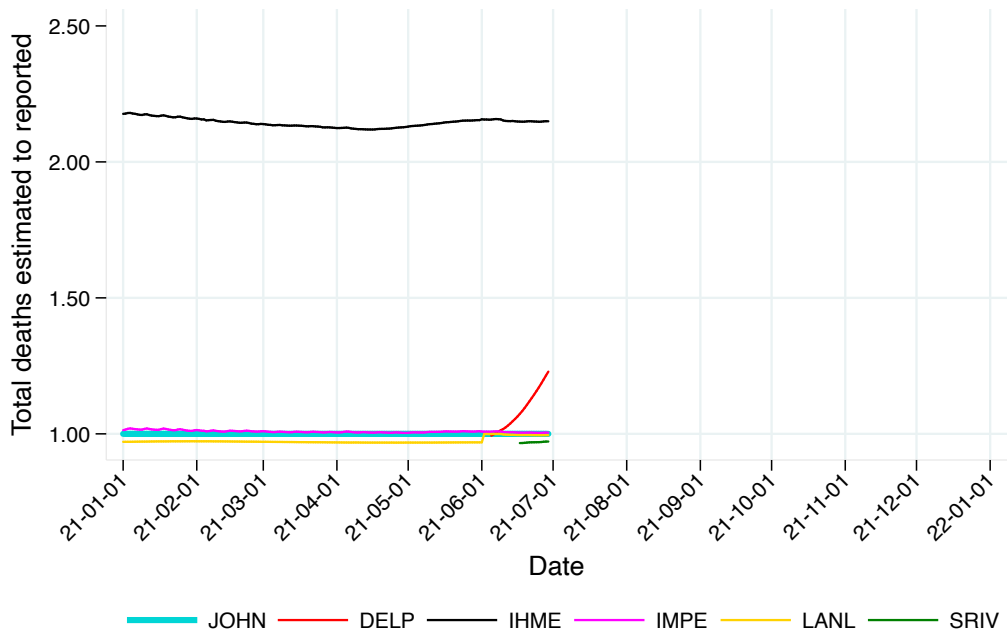




# COVID-19 total deaths estimated to reported, global, reference scenarios

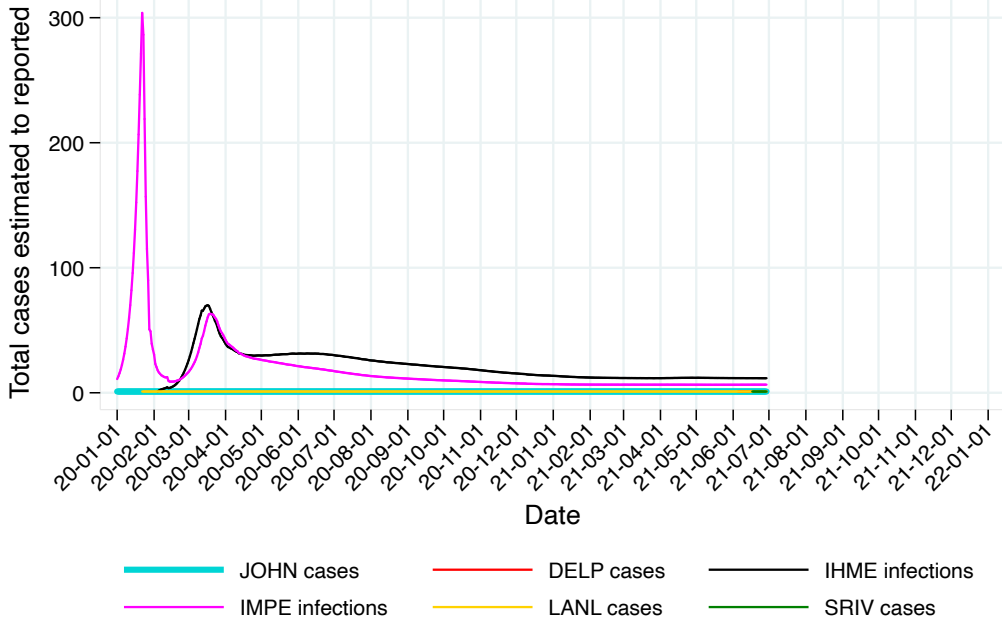


# COVID-19 total deaths estimated to reported, global, reference scenarios



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

total cases or infections estimated, to reported cases



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

total cases or infections estimated, to reported cases

