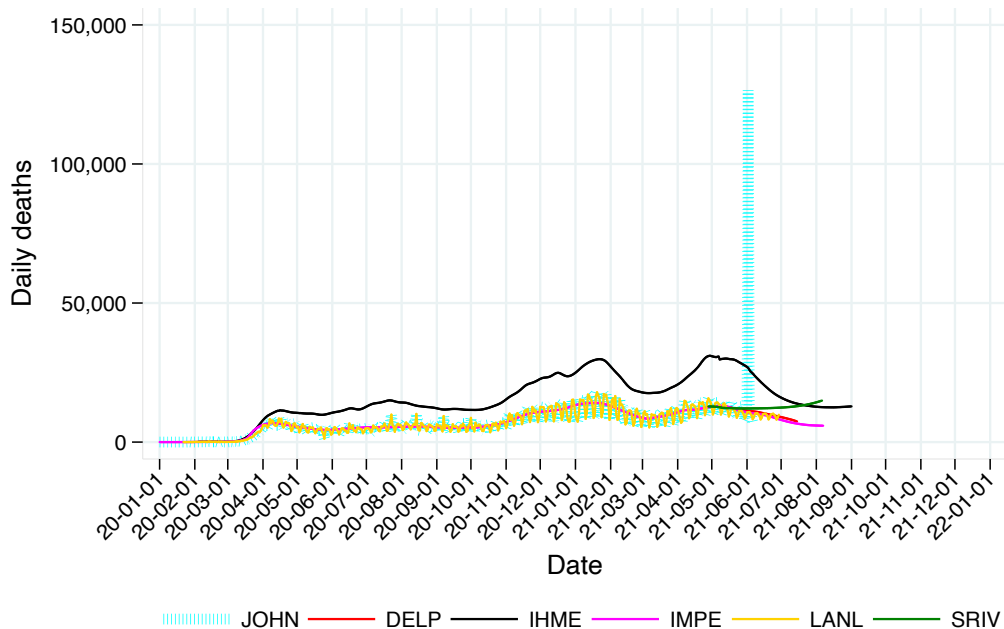
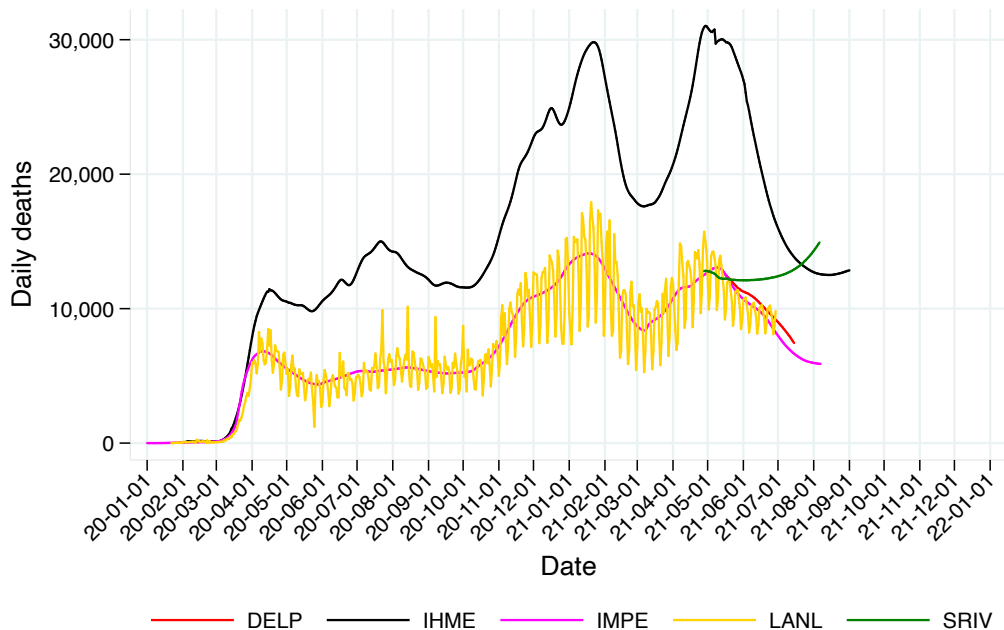


## COVID-19 daily deaths, global, reference scenarios



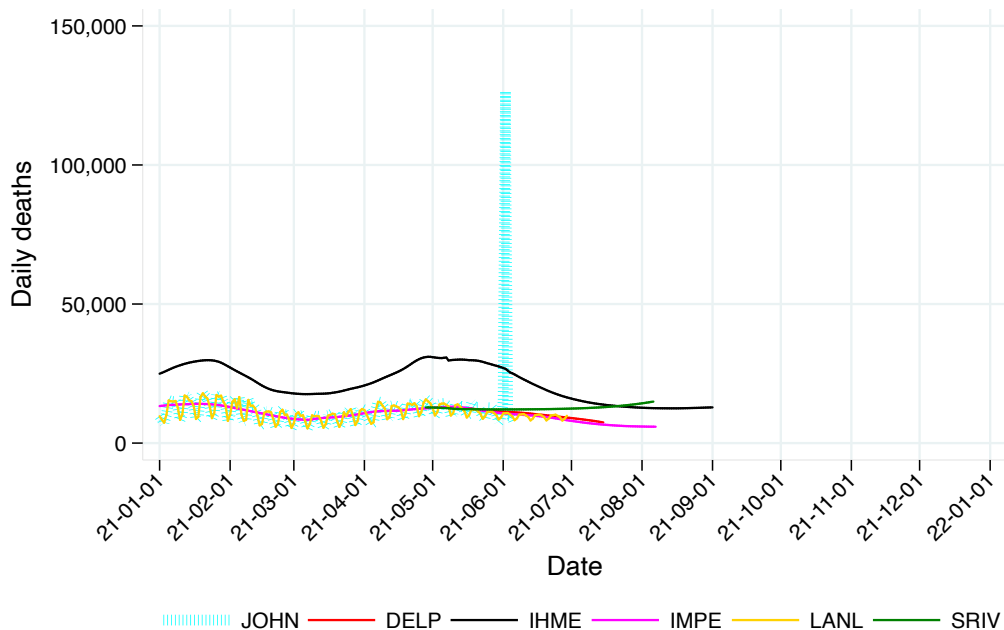
# COVID-19 daily deaths, global, reference scenarios

without JOHN



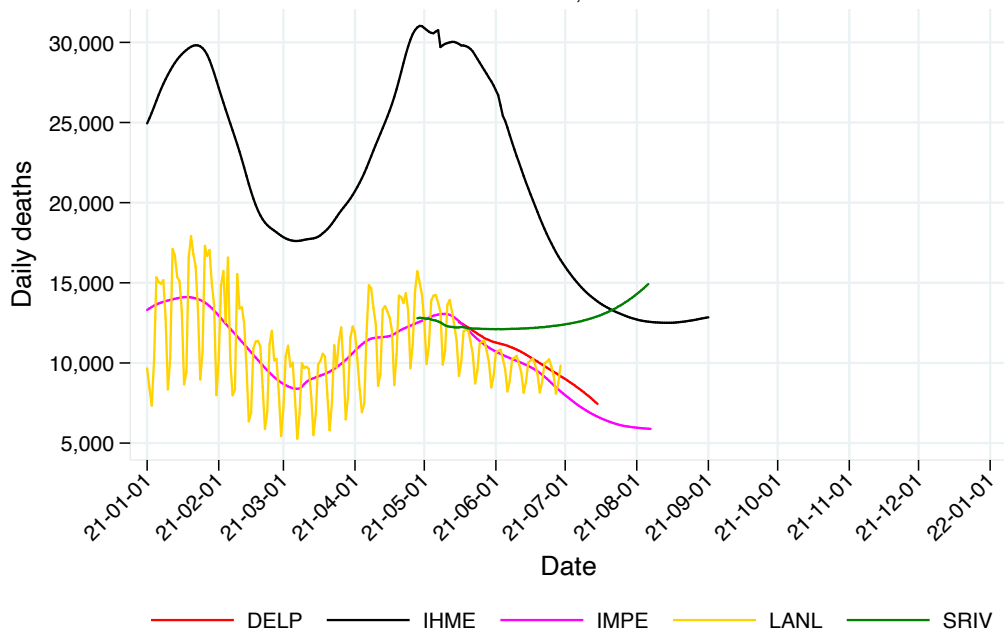
# COVID-19 daily deaths, global, reference scenarios

after 2021-01-01



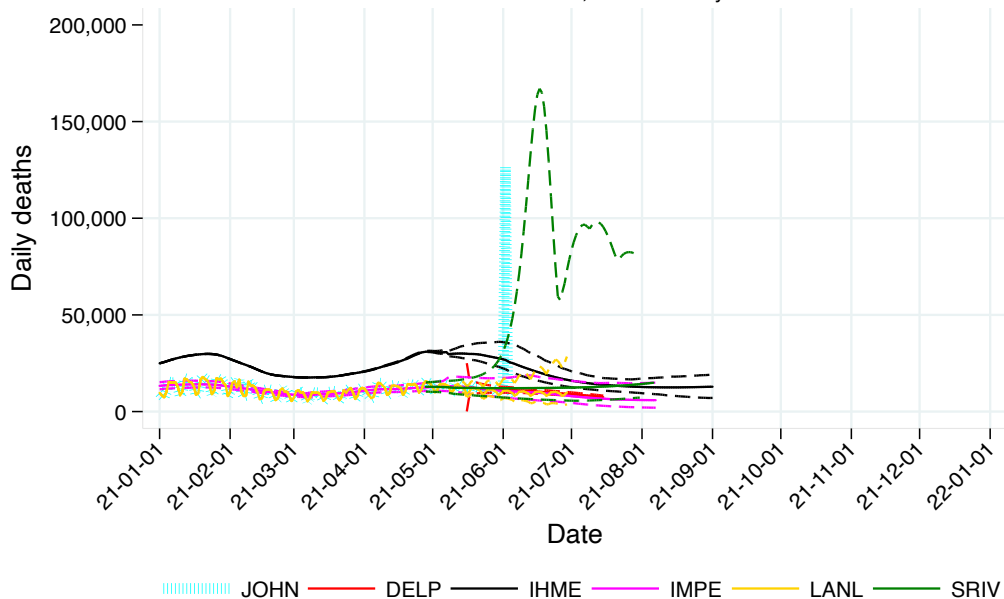
# COVID-19 daily deaths, global, reference scenarios

after 2021-01-01, without JOHN



# COVID-19 daily deaths, global, reference scenarios

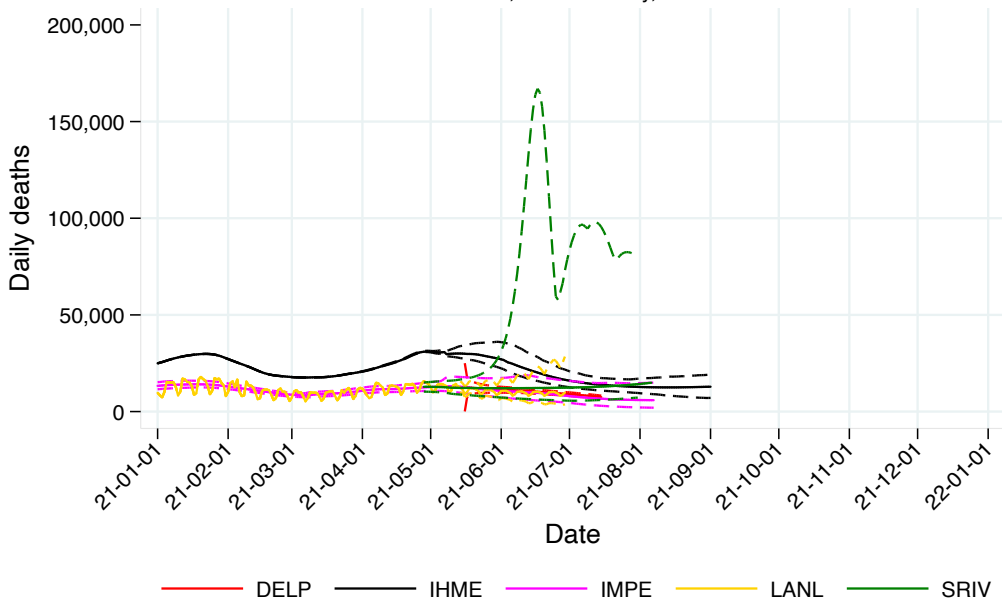
after 2021-01-01, w/ uncertainty



Uncertainty limits: dashed curves

# COVID-19 daily deaths, global, reference scenarios

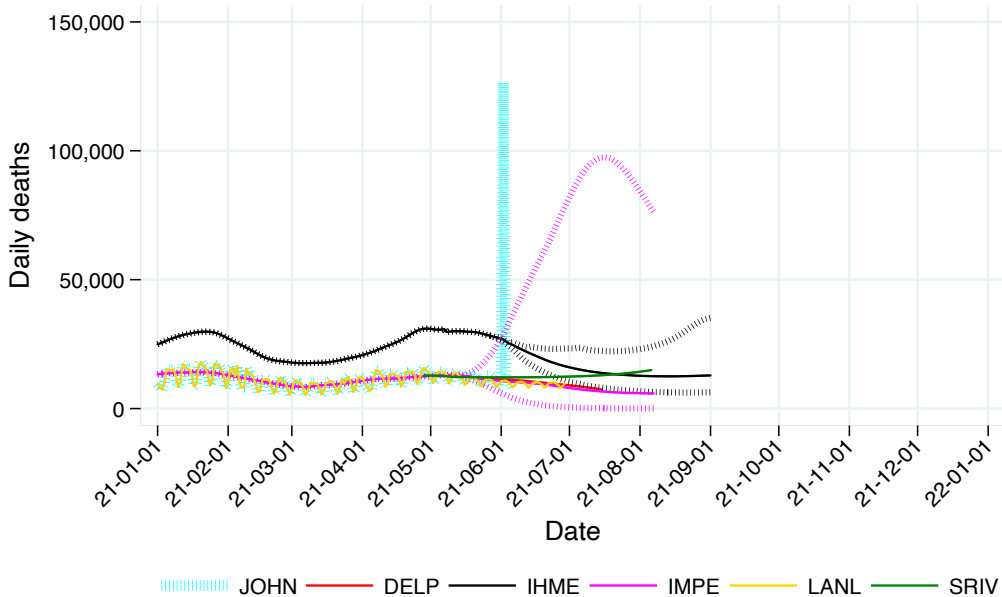
after 2021-01-01, w/ uncertainty, without JOHN



Uncertainty limits: dashed curves

# COVID-19 daily deaths, global, 3 scenarios

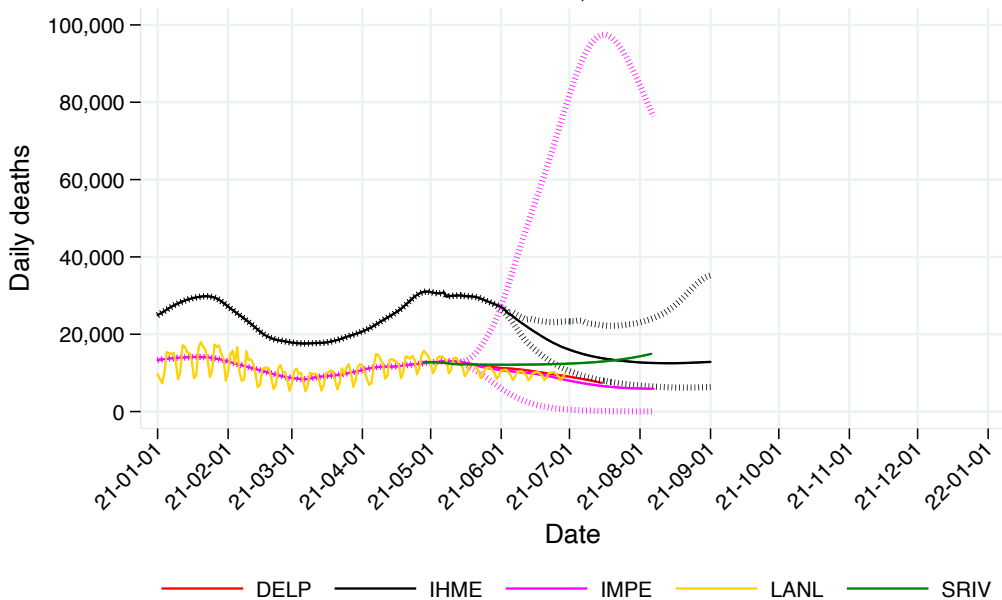
after 2021-01-01



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

# COVID-19 daily deaths, global, 3 scenarios

after 2021-01-01, without JOHN

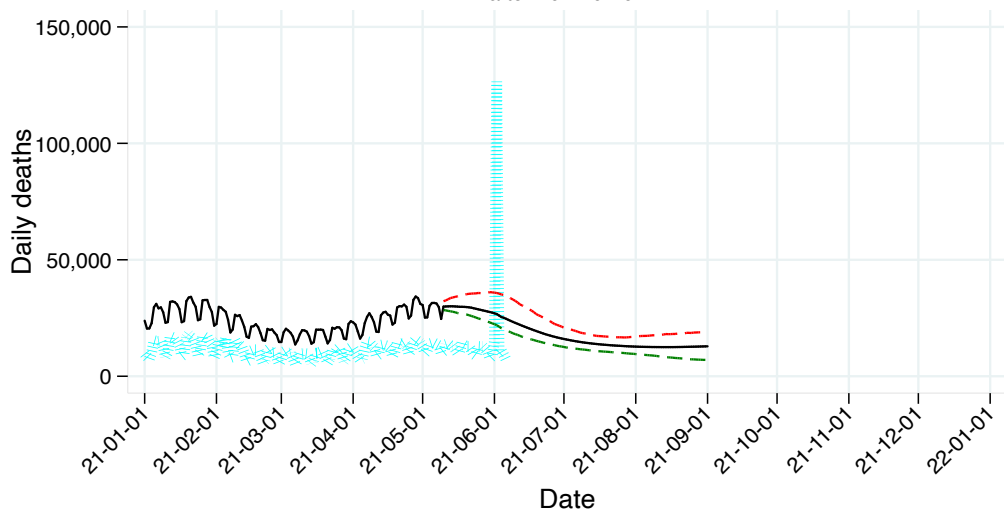


Better and worse scenarios: tight dot (||||) curves; IHME and IMPE



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

after 2021-01-01



JOHN

reference scenario, lower

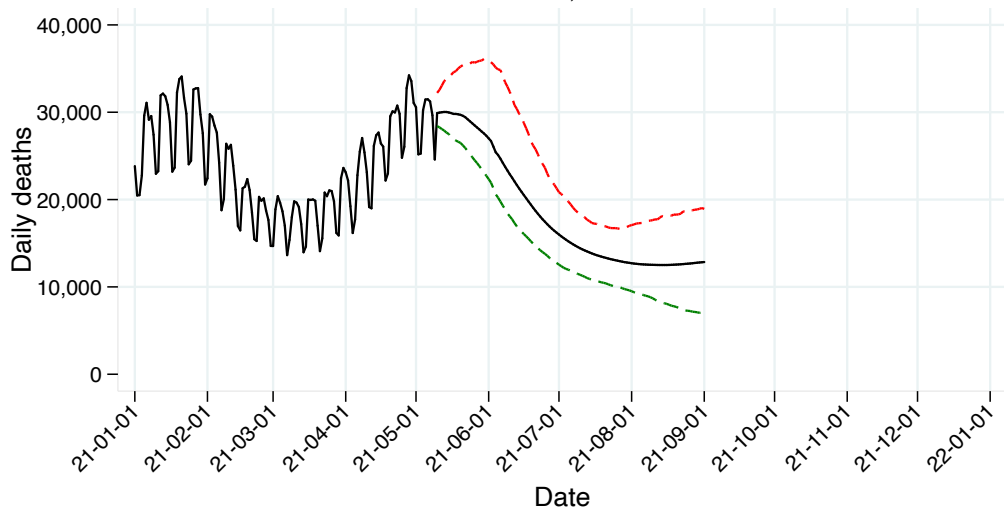
reference scenario, mean

reference scenario, upper

Uncertainty limits: dashed (— —) curves

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

after 2021-01-01, without JOHN



— reference scenario, mean

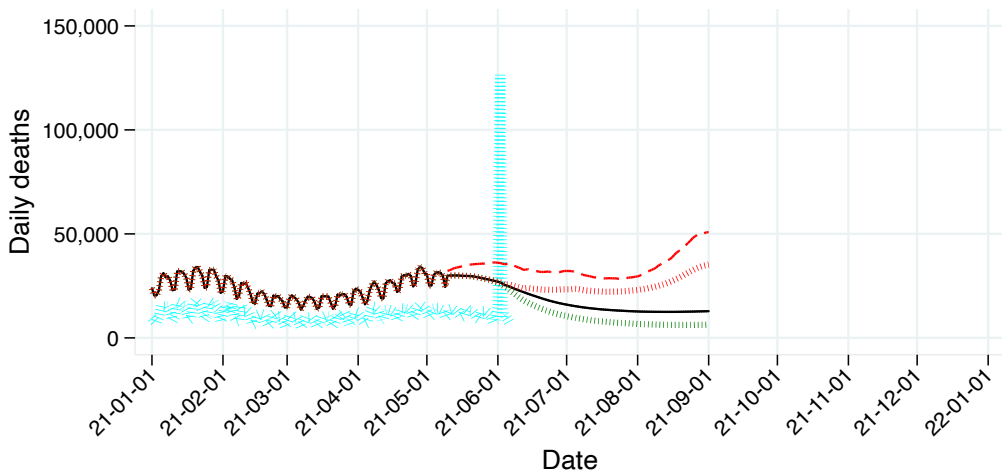
- - - reference scenario, lower

- - - reference scenario, upper

Uncertainty limits: dashed (— —) curves

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

after 2021-01-01



JOHN

better scenario, mean

worse scenario, upper

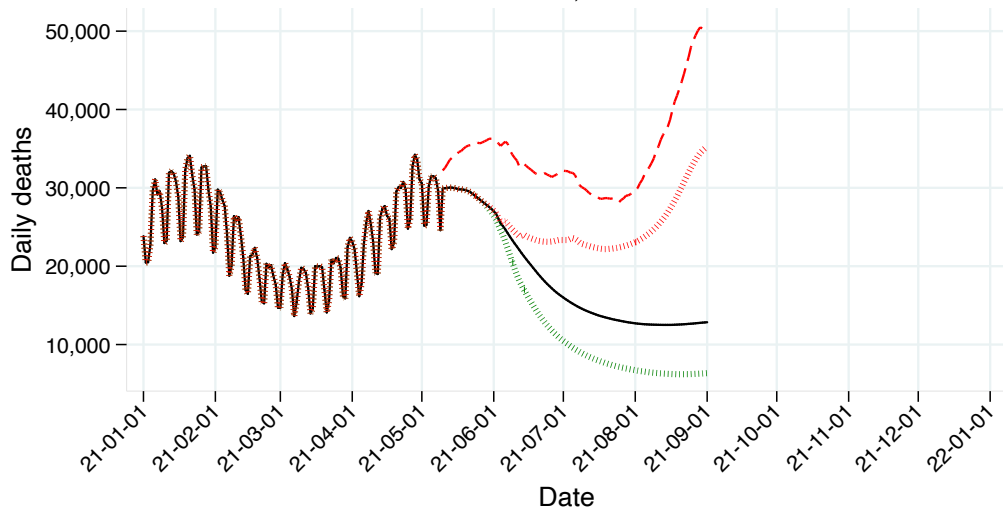
reference scenario, mean

worse scenario, mean

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

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

after 2021-01-01, without JOHN



— reference scenario, mean

..... better scenario, mean

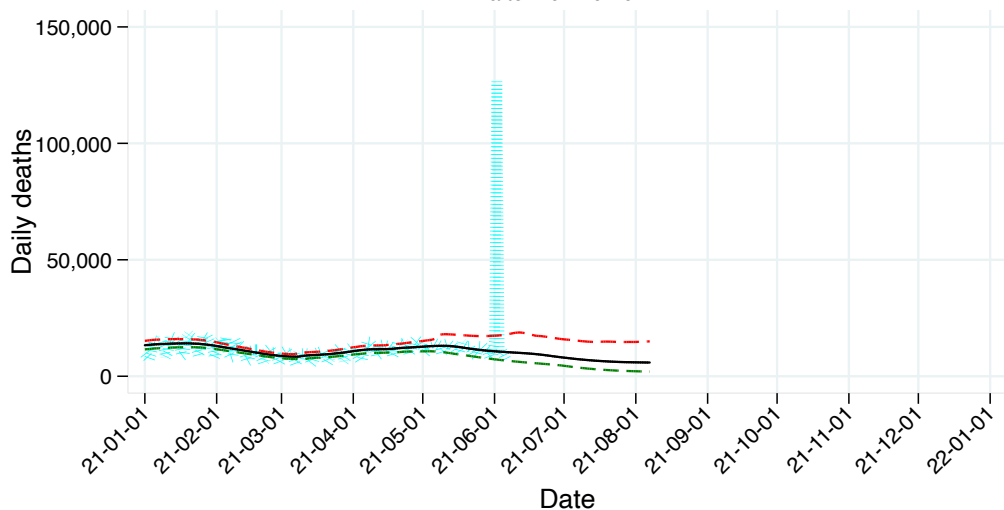
..... worse scenario, mean

- - - worse scenario, 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



JOHN

reference scenario, lower

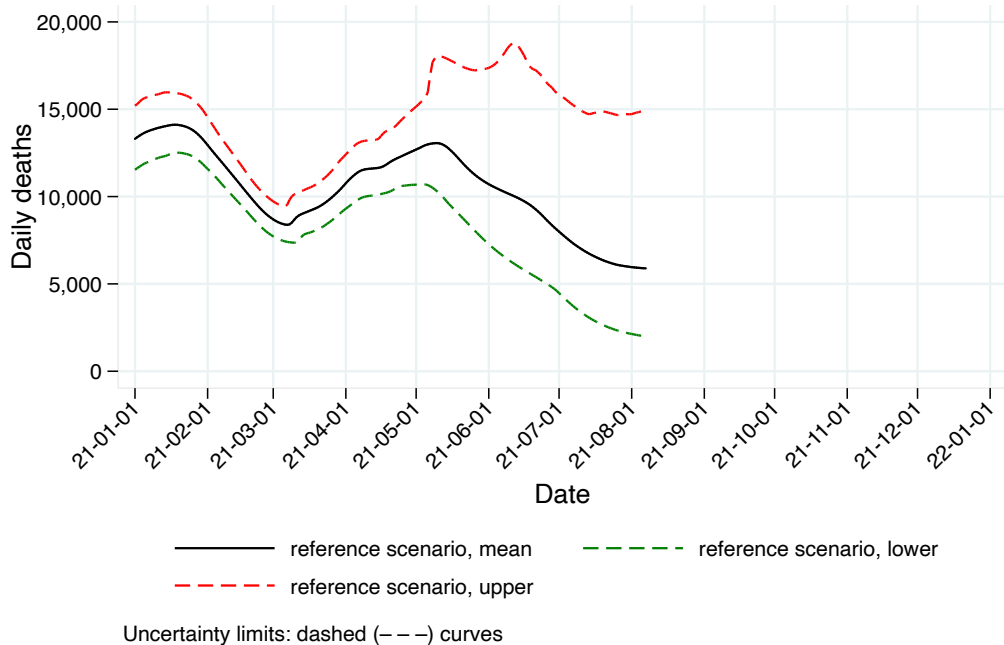
reference scenario, mean

reference scenario, upper

Uncertainty limits: dashed (---) curves

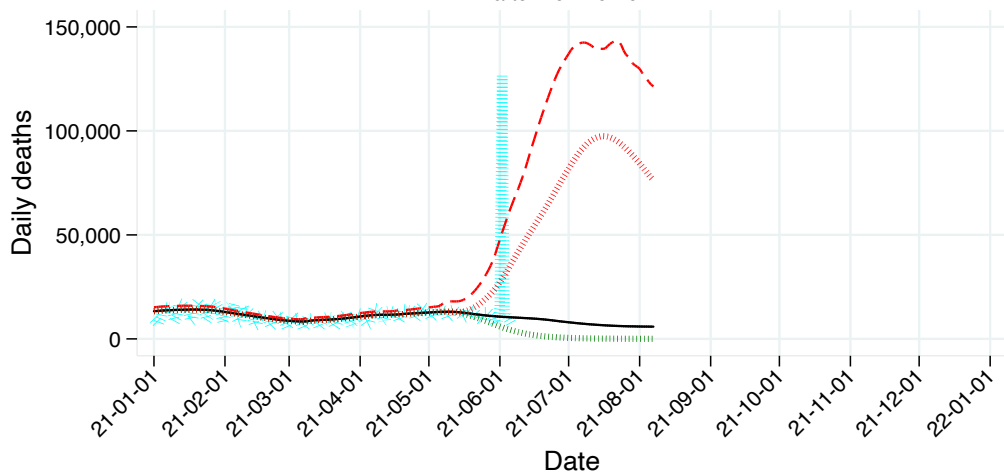
# COVID-19 daily deaths, global, reference scenario w/ uncertainty, IMPE

after 2021-01-01, without JOHN



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

after 2021-01-01



JOHN

better scenario, mean

worse scenario, upper

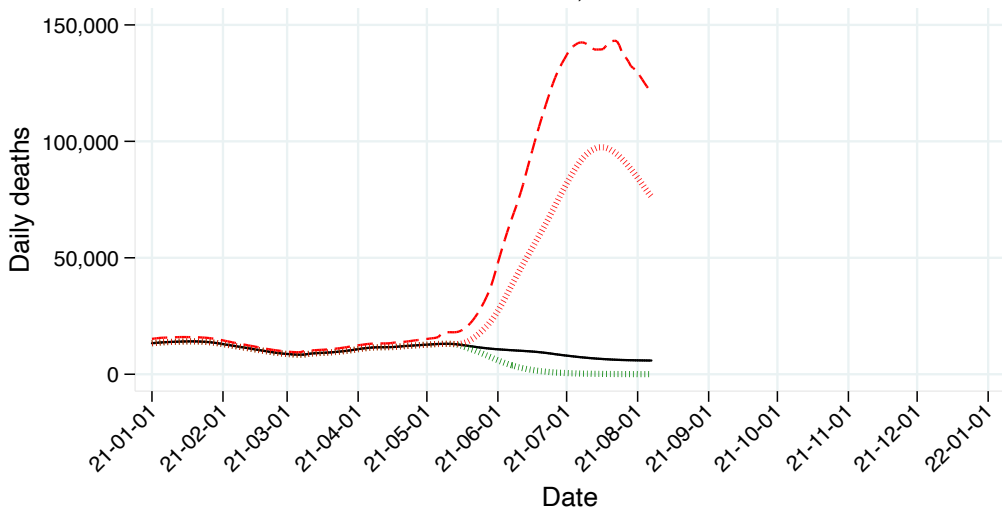
reference scenario, mean

worse scenario, mean

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

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

after 2021-01-01, without JOHN



— reference scenario, mean

..... better scenario, mean

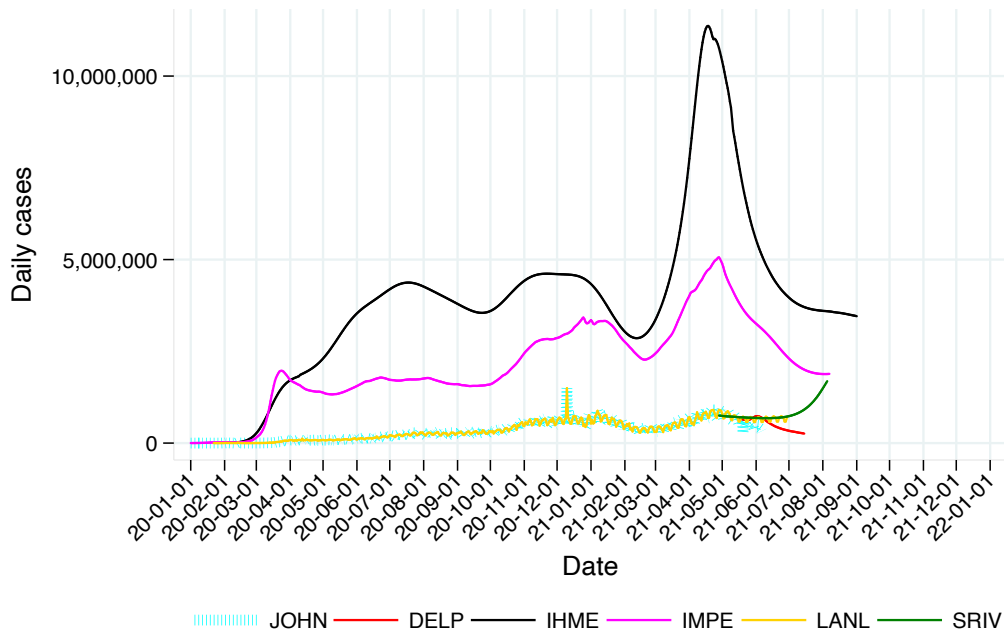
..... worse scenario, mean

- - - worse scenario, upper

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

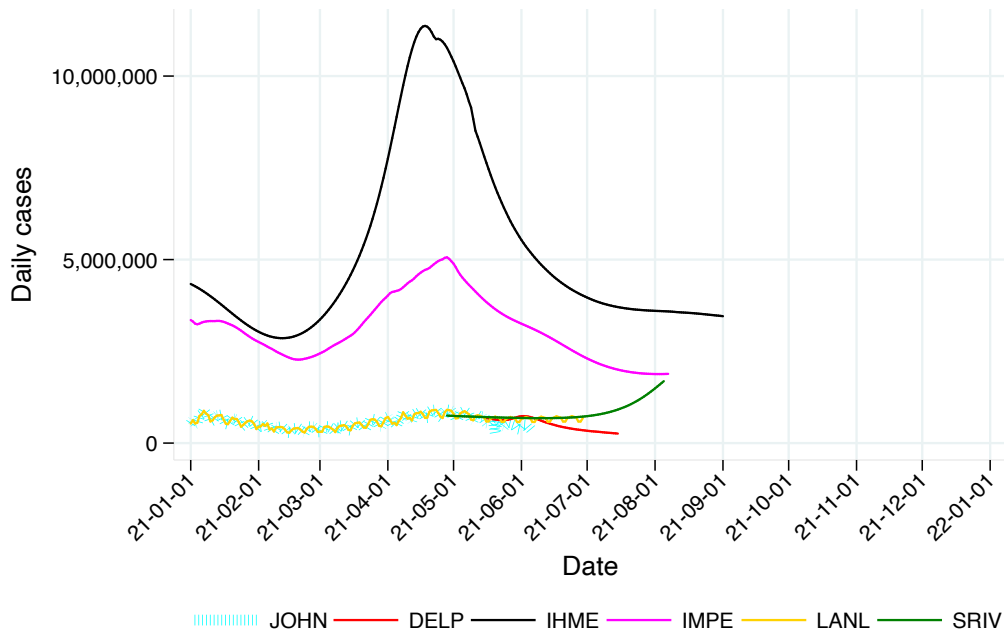


## COVID-19 daily cases, global, reference scenarios



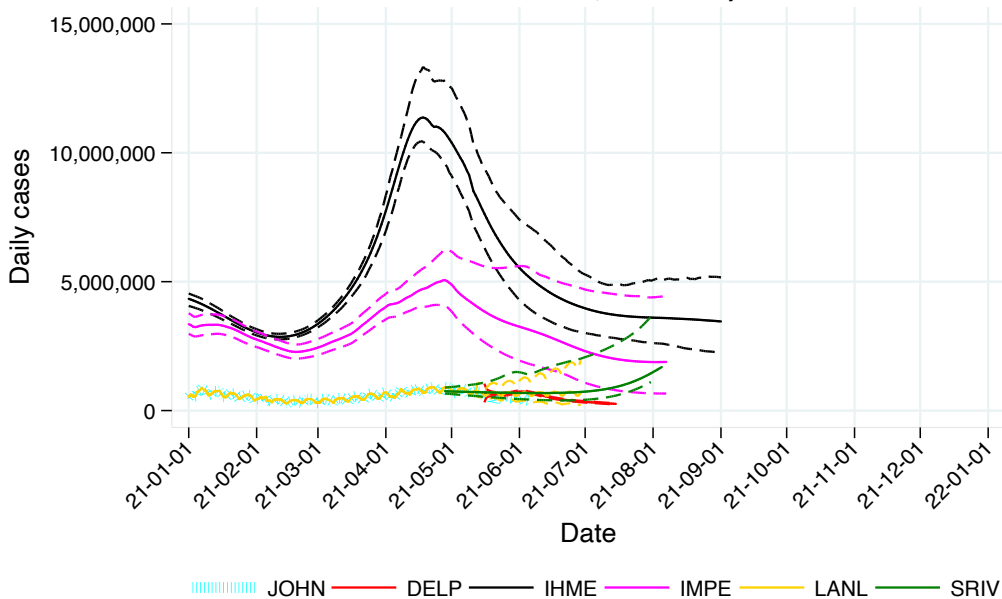
# COVID-19 daily cases, global, reference scenarios

after 2021-01-01



# COVID-19 daily cases, global, reference scenarios

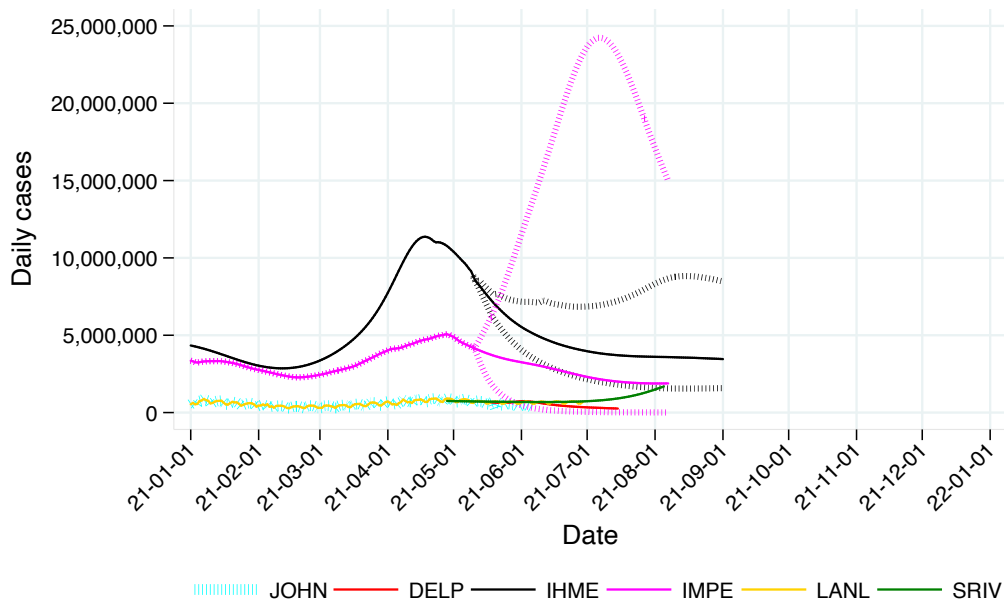
after 2021-01-01, w/ uncertainty



Uncertainty limits: dashed curves

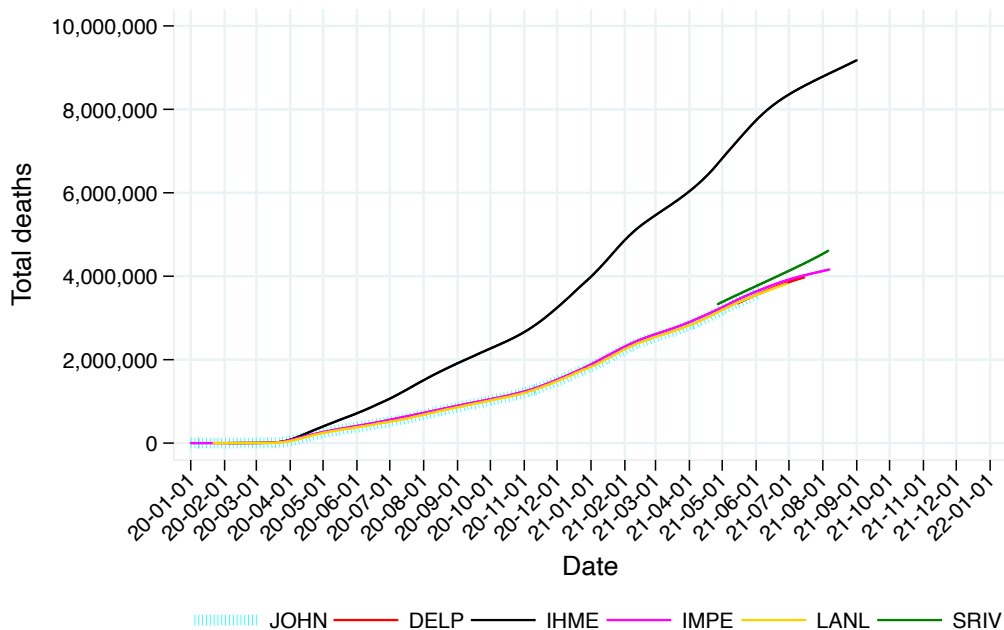
# COVID-19 daily cases, global, 3 scenarios

after 2021-01-01



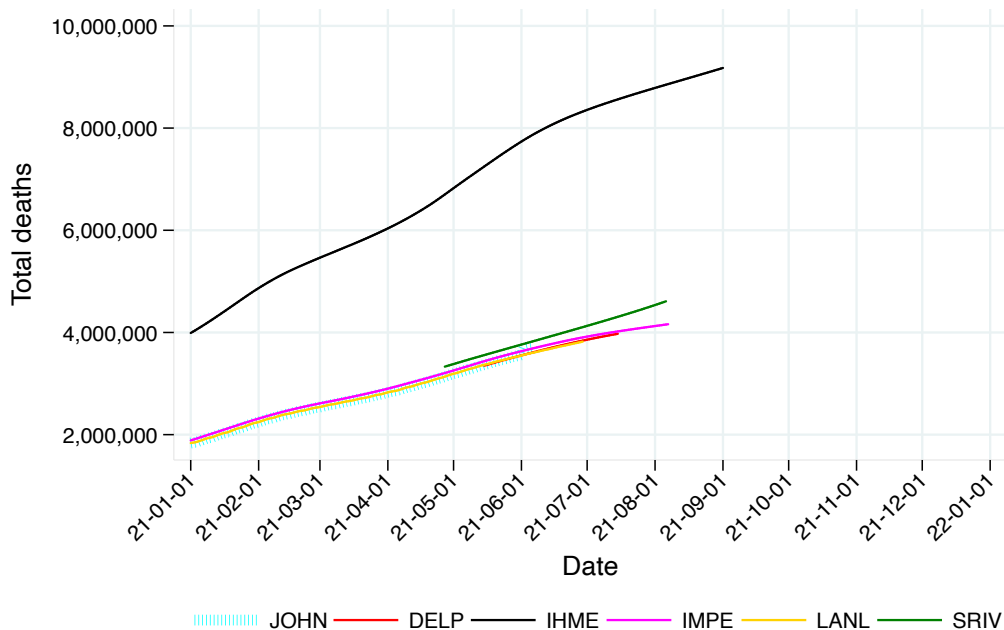
Better and worse scenarios: tight dot (|||||) curves; IHME and IMPE

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



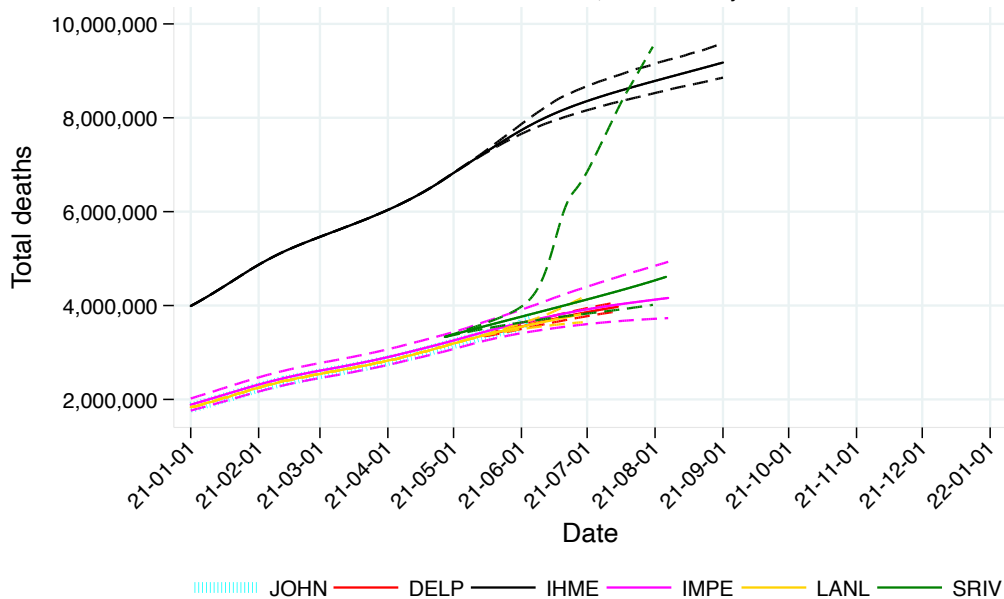
# COVID-19 total deaths, global, reference scenarios

after 2021-01-01



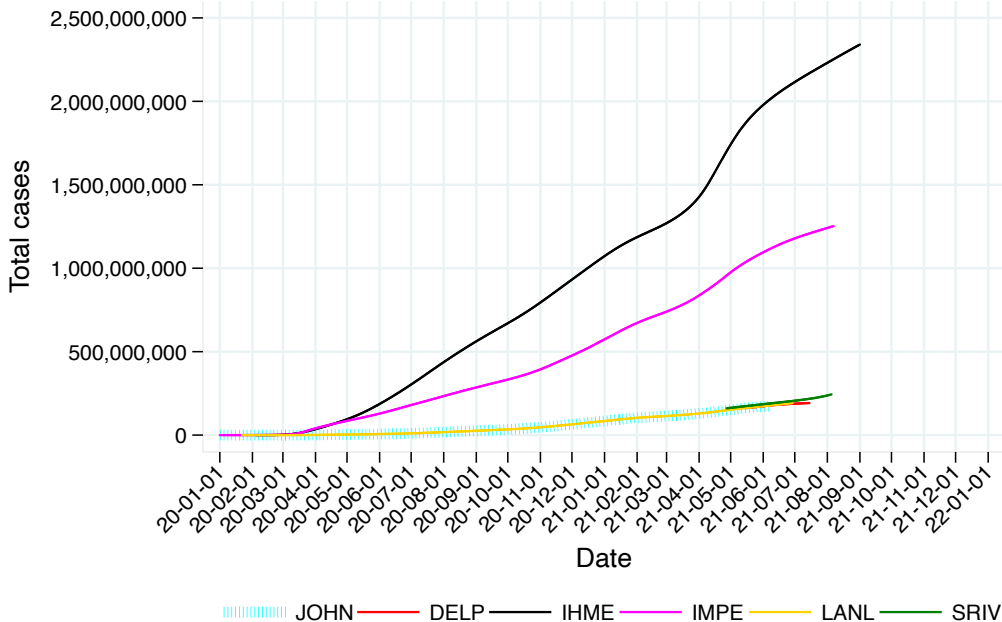
# COVID-19 total deaths, global, reference scenarios

after 2021-01-01, w/ uncertainty



Uncertainty limits: dashed curves

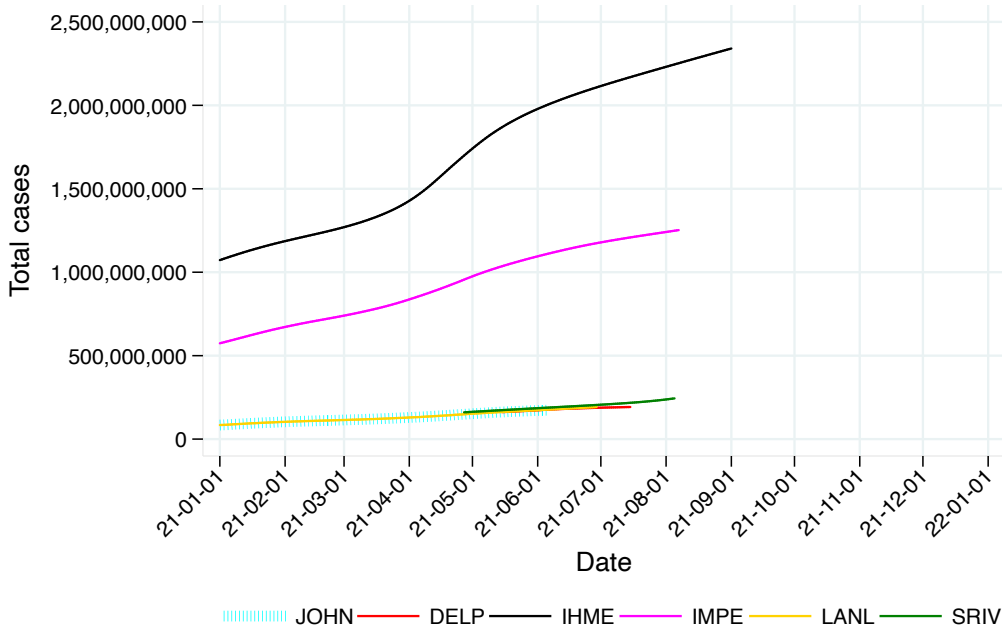
## COVID-19 total cases, global, reference scenarios





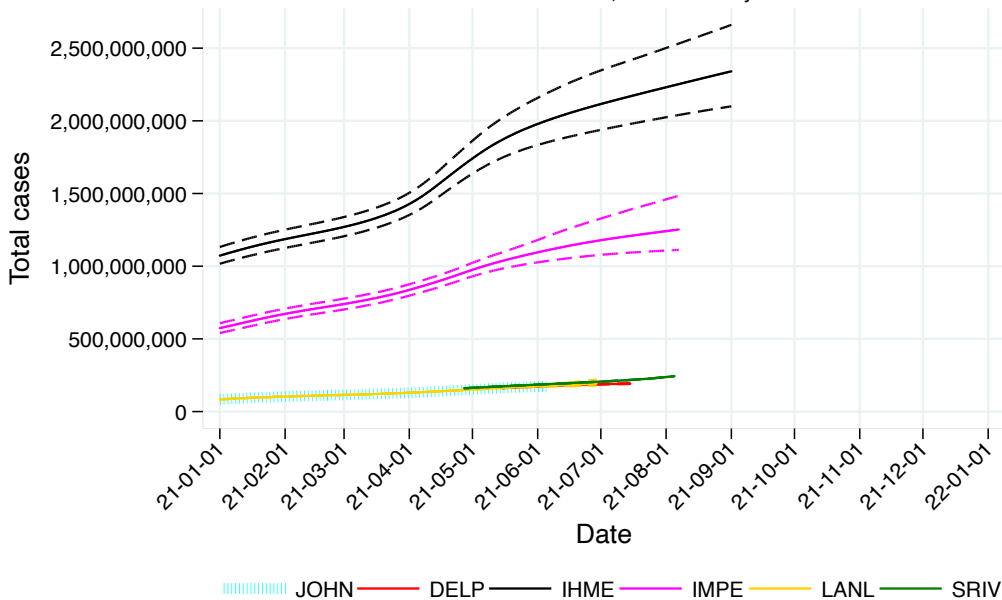
# COVID-19 total cases, global, reference scenarios

after 2021-01-01



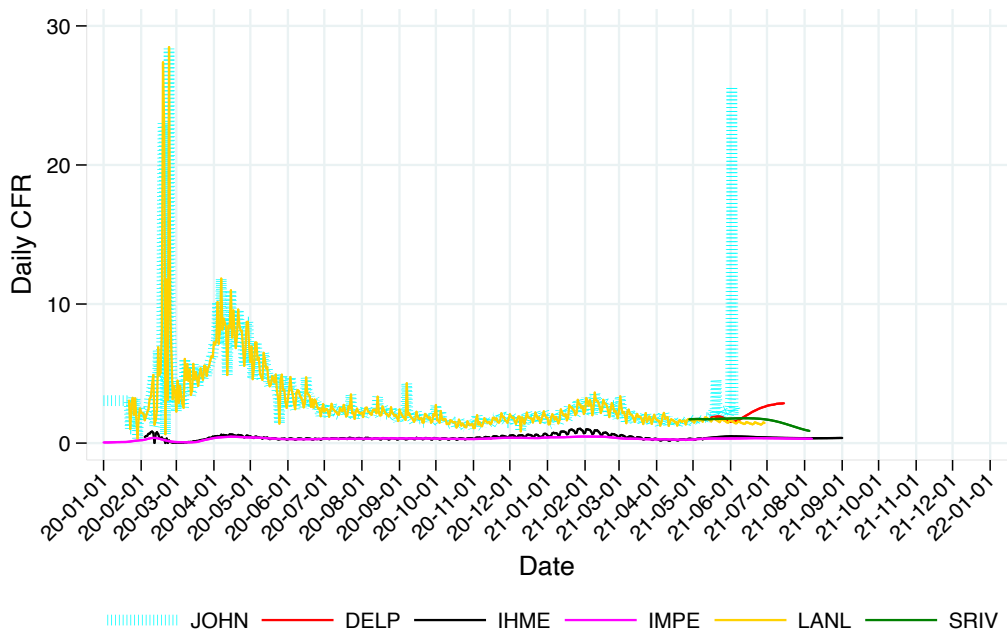
# COVID-19 total cases, global, reference scenarios

after 2021-01-01, w/ uncertainty



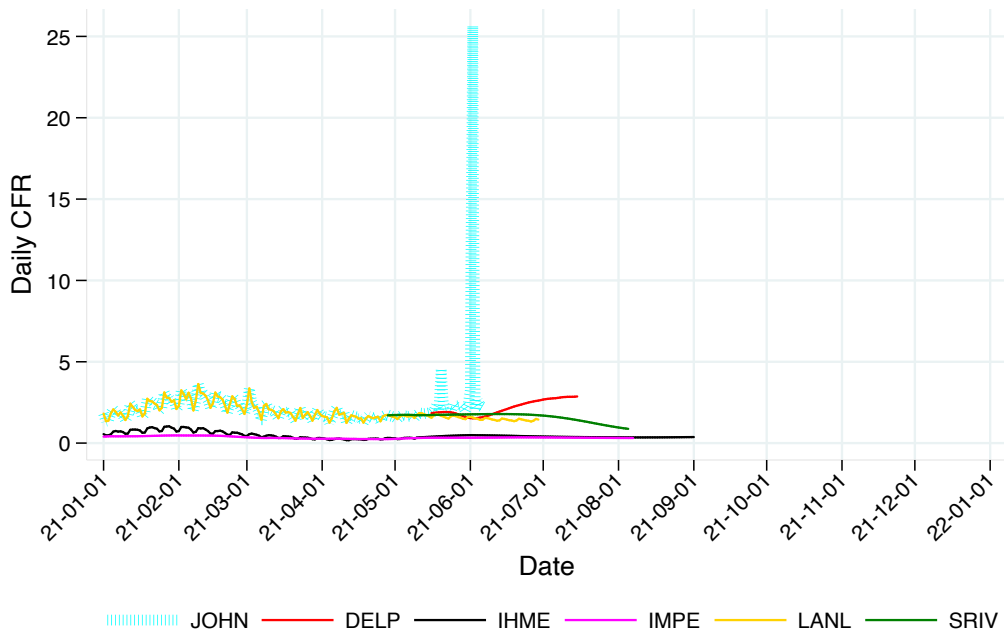
Uncertainty limits: dashed curves

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



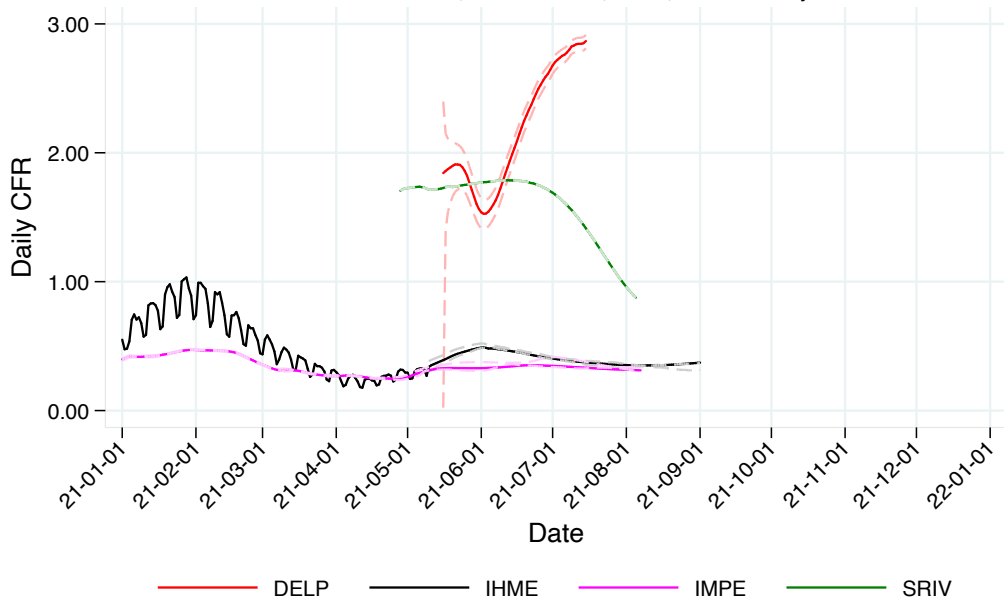
# COVID-19 daily CFR, global, reference scenarios

after 2021-01-01



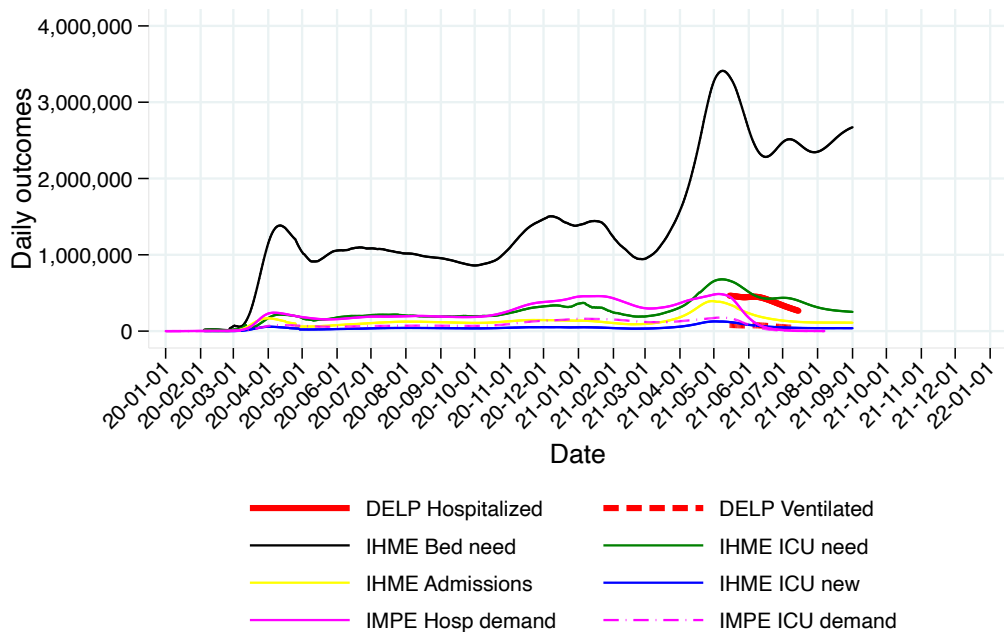
# COVID-19 daily CFR, global, reference scenarios

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



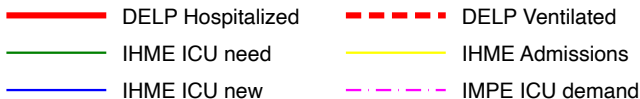
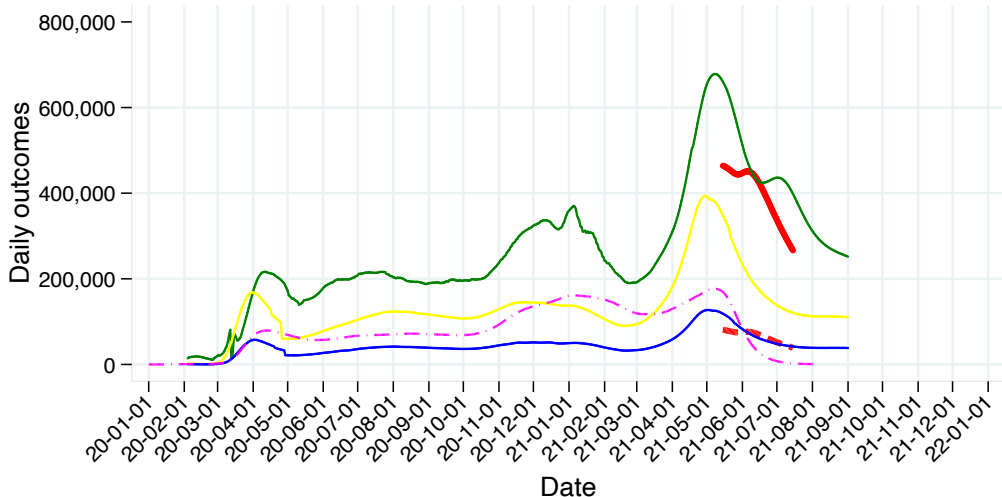
Uncertainty limits: dashed light curves.

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



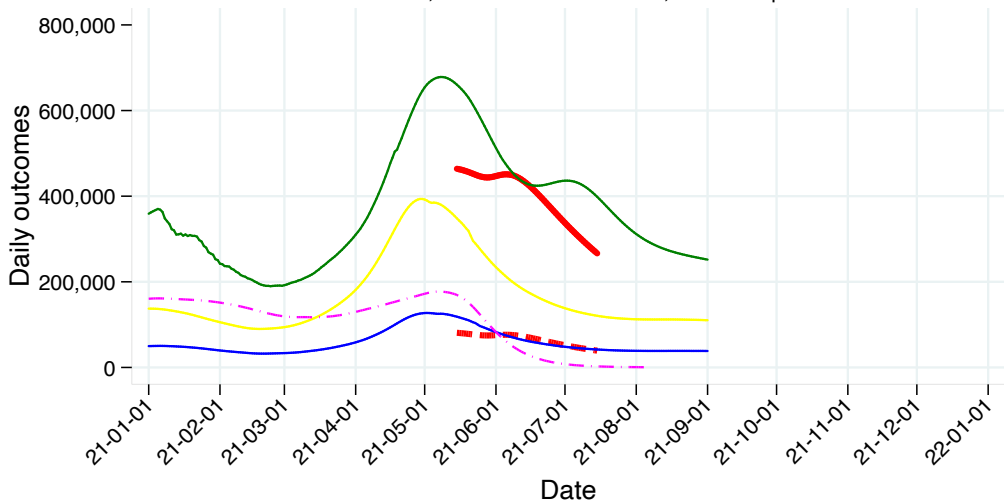
# COVID-19 daily hospital-related outcomes global, median scenarios

without IHME Bed need, IMPE Hosp demand



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

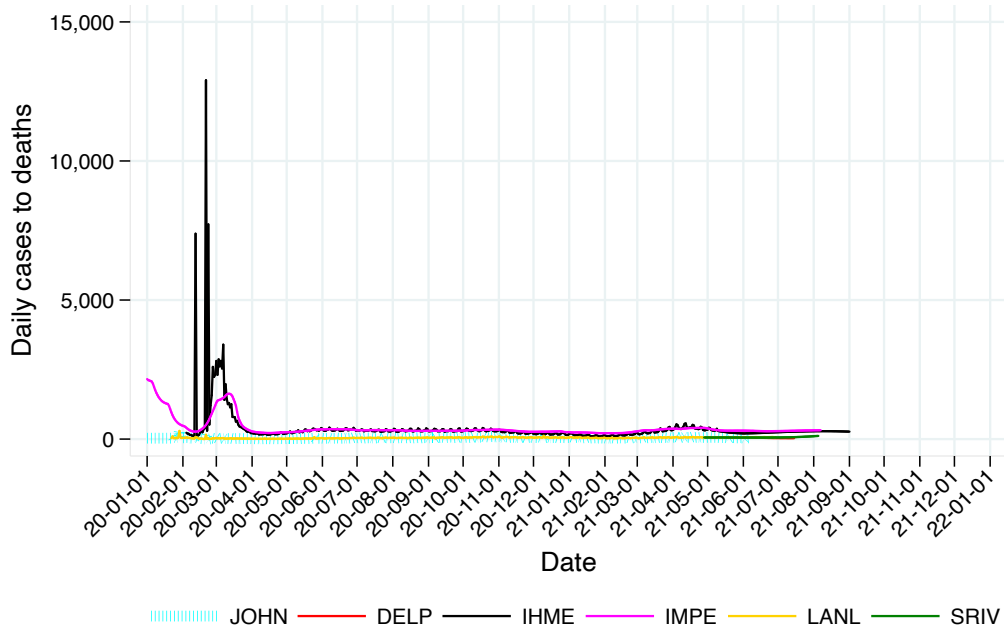
after 2021-01-01, without IHME Bed need, IMPE Hosp demand



- DELP Hospitalized
- IHME ICU need
- IMPE Hosp incidence
- DELP Ventilated
- IHME Admissions
- IMPE ICU demand

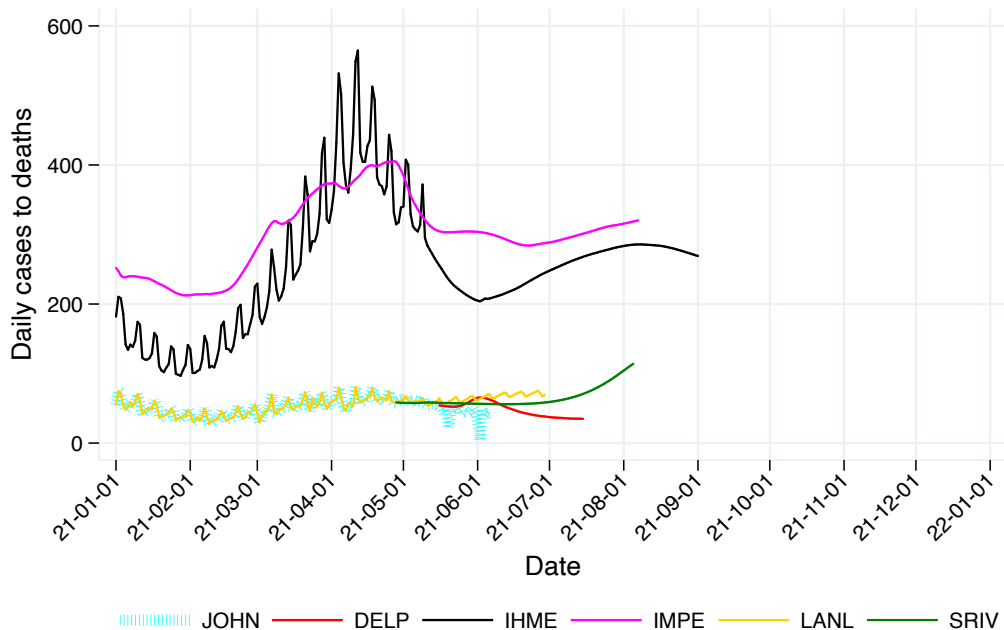


## COVID-19 daily cases to deaths, global, reference scenarios

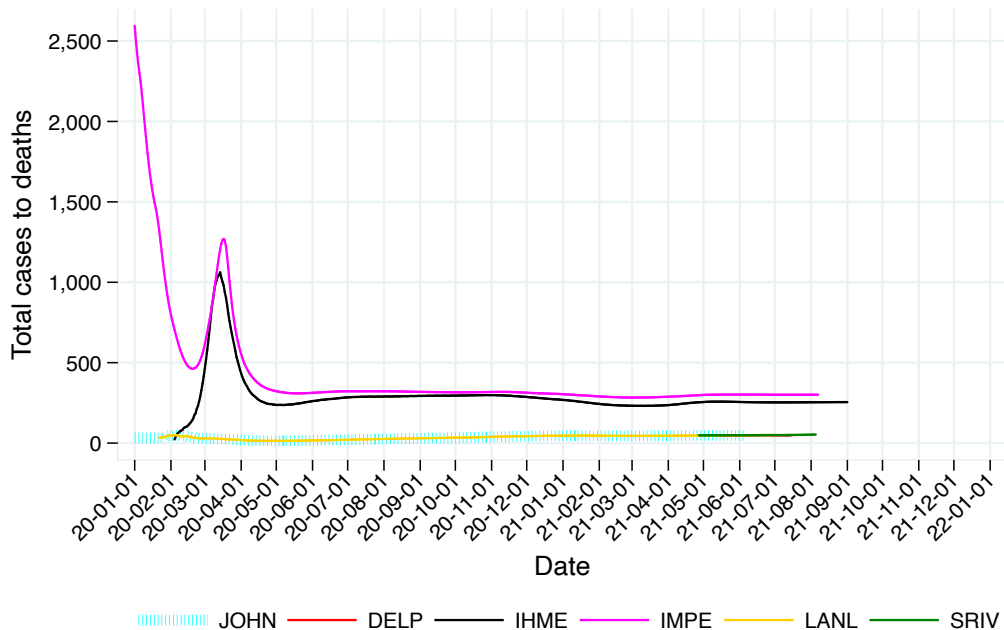


# COVID-19 daily cases to deaths, global, reference scenarios

after 2021-01-01

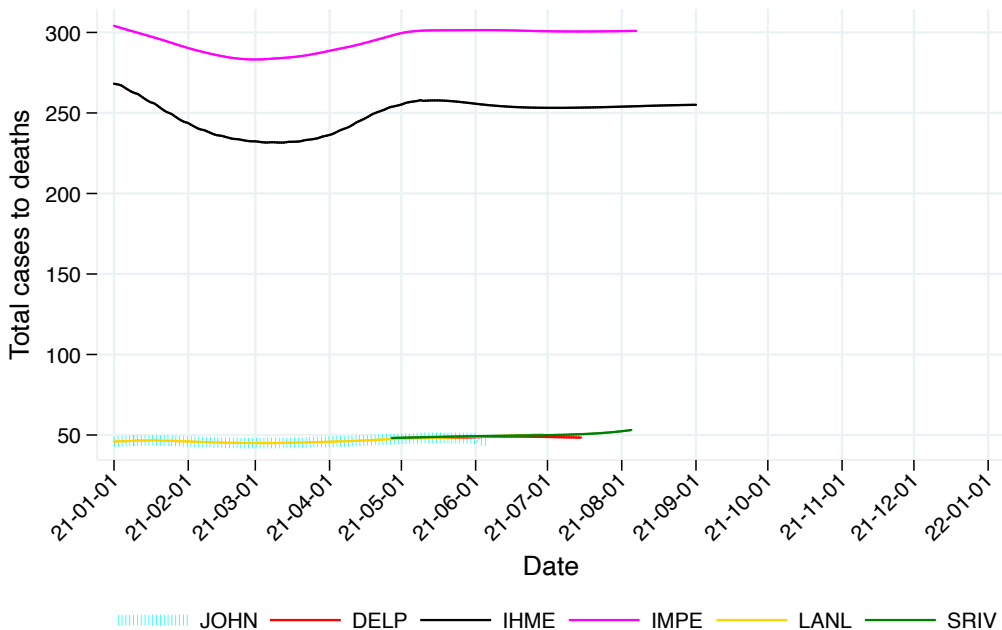


## COVID-19 total cases to deaths, global, reference scenarios

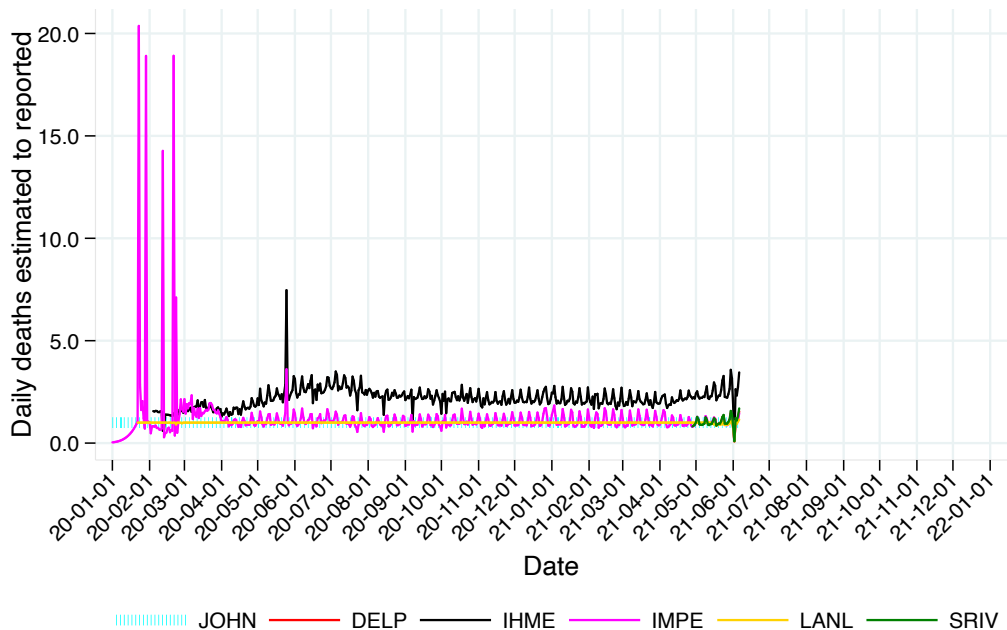


# COVID-19 total cases to deaths, global, reference scenarios

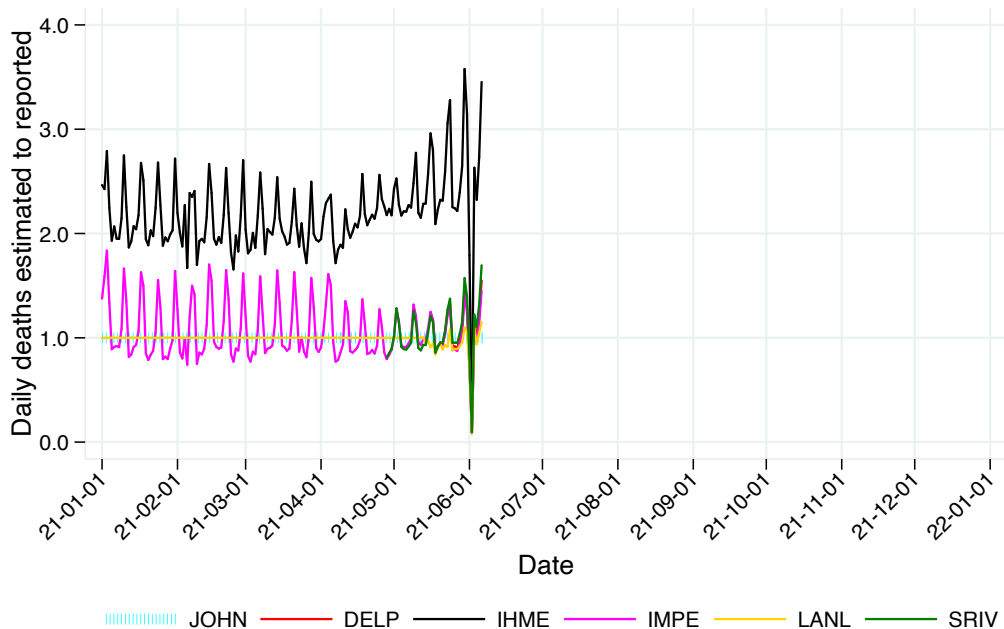
after 2021-01-01



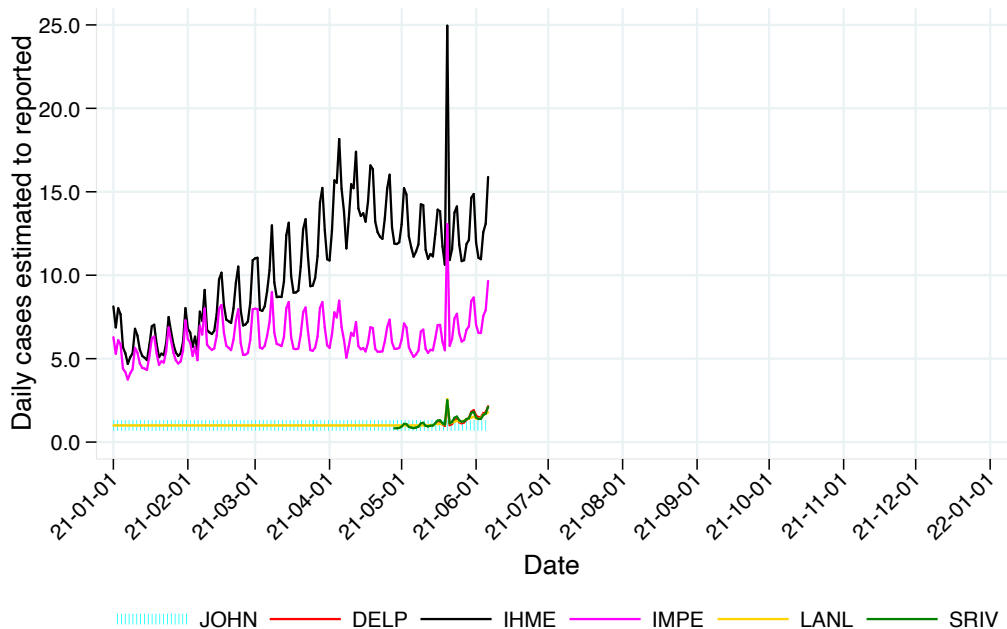
# COVID-19 daily deaths estimated to reported, global, reference scenarios



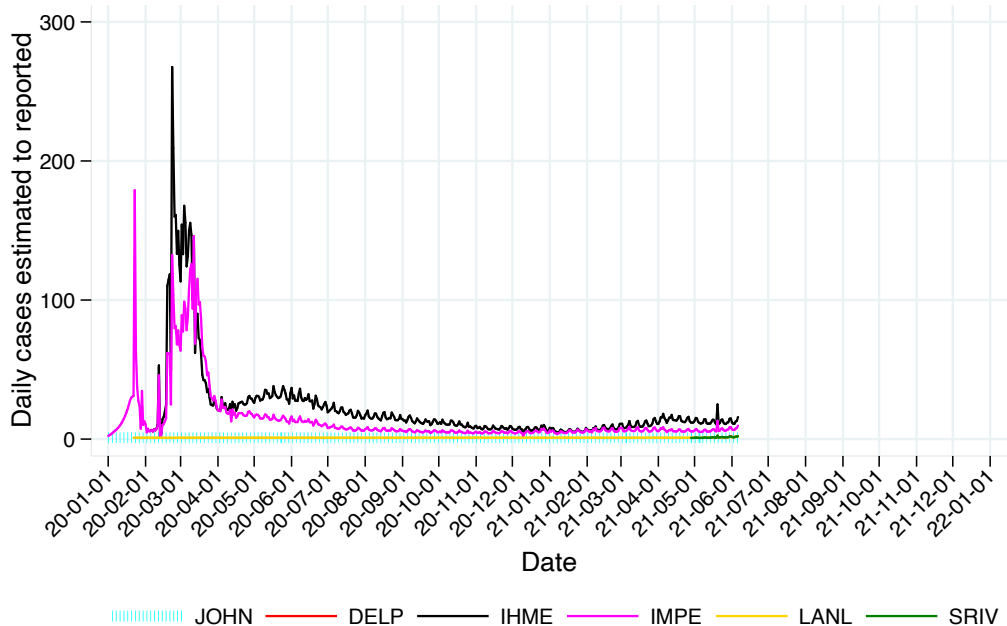
# COVID-19 daily deaths estimated to reported, global, reference scenarios



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

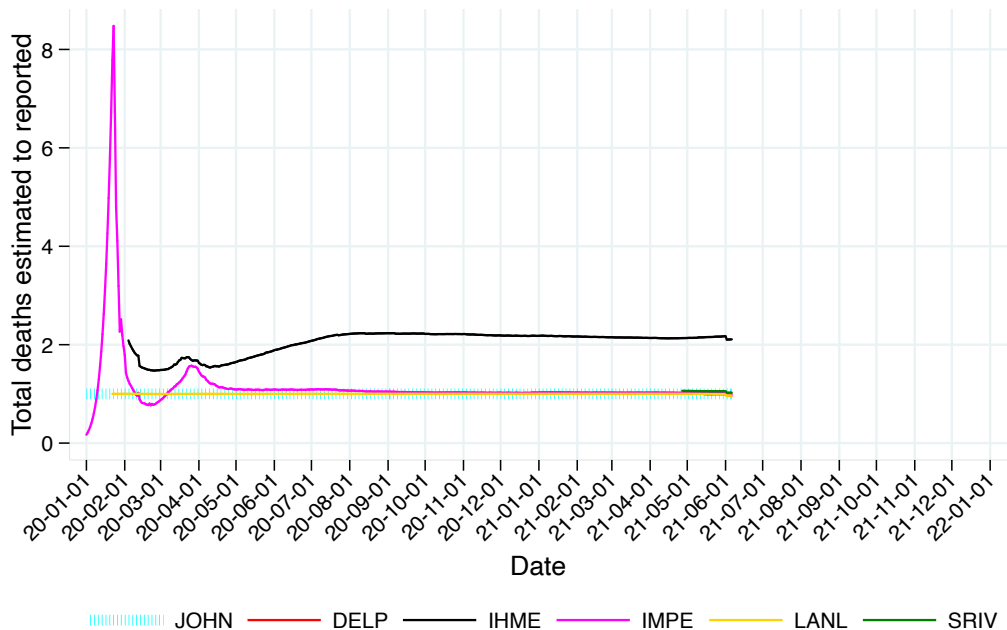


# COVID-19 daily cases estimated to reported, global, reference scenarios

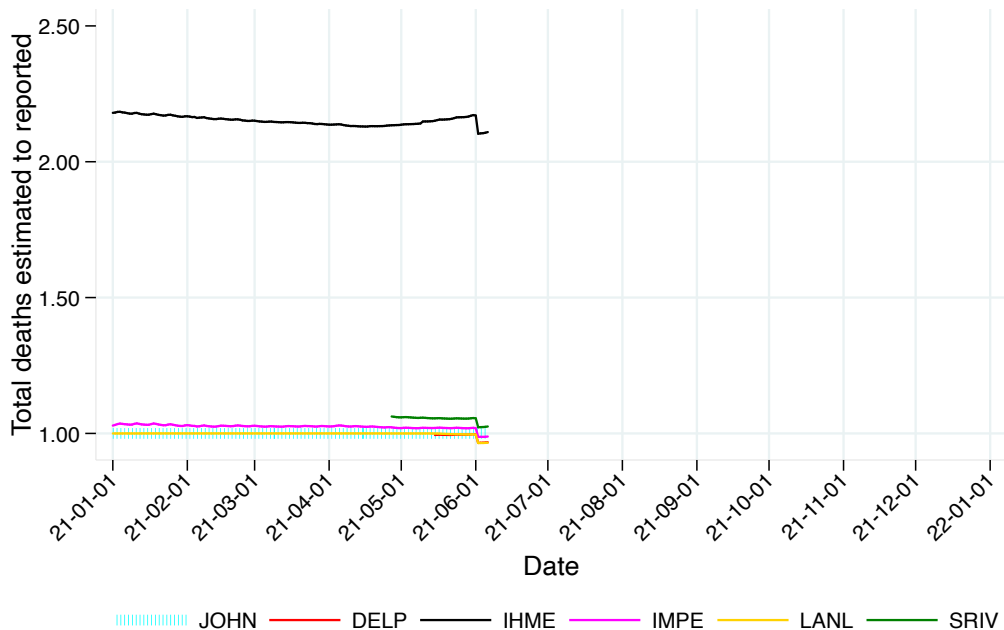




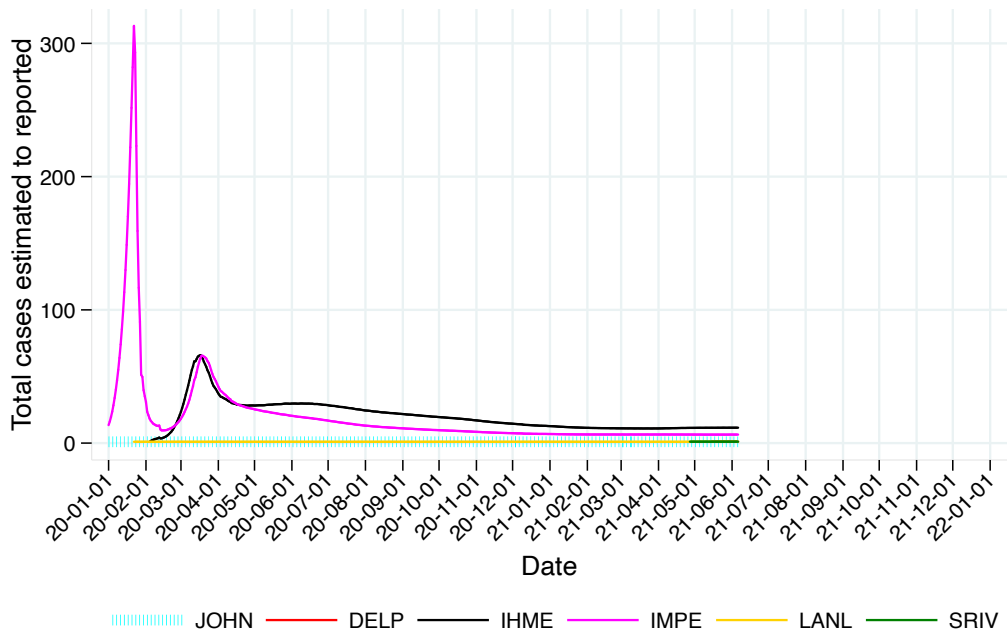
# COVID-19 total deaths estimated to reported, global, reference scenarios



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



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



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

