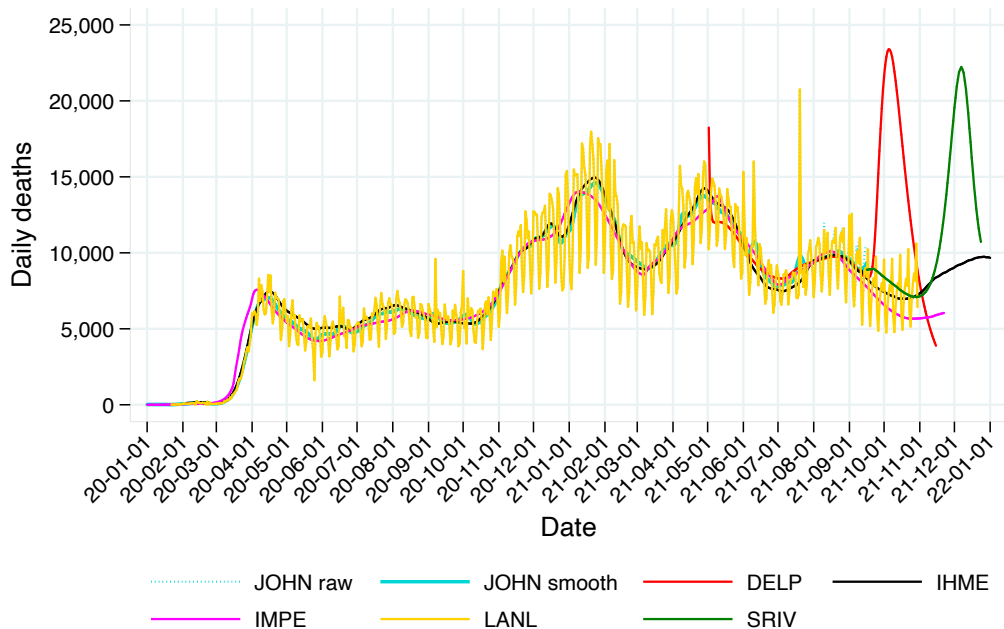
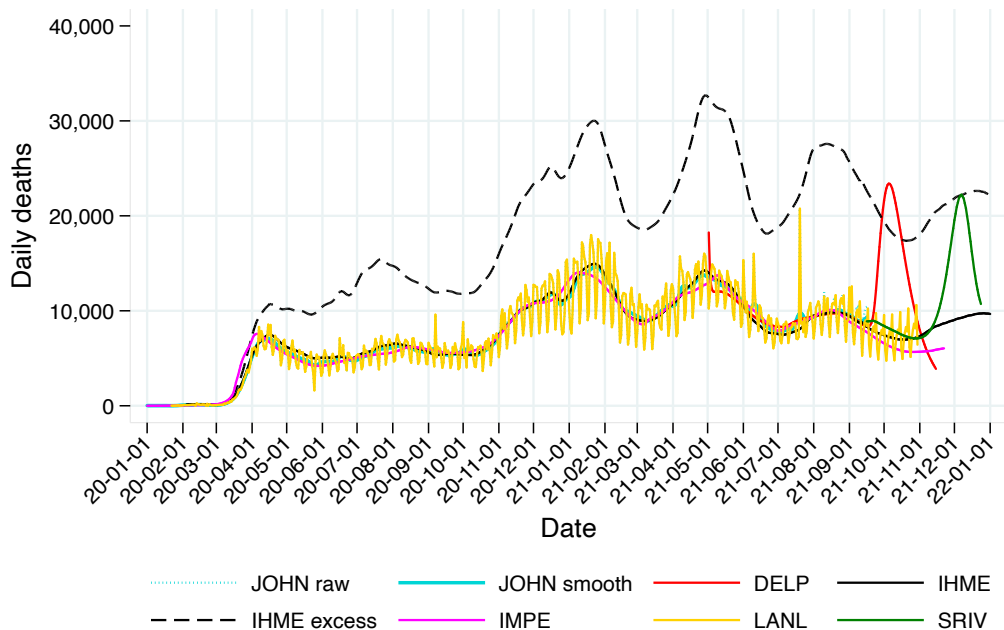


COVID-19 daily deaths, global, reference scenarios

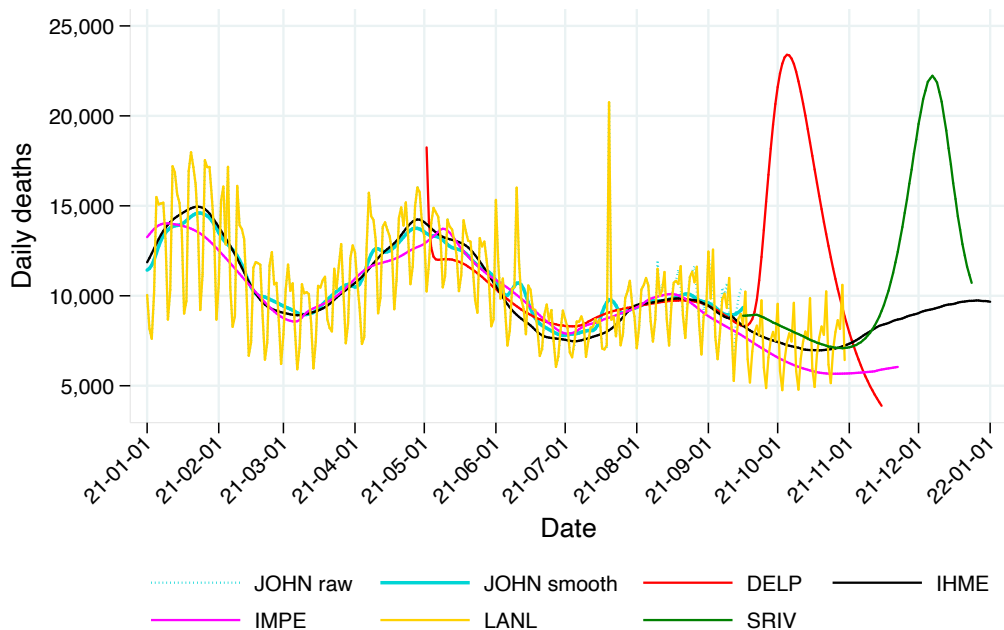


COVID-19 daily deaths, global, reference scenarios



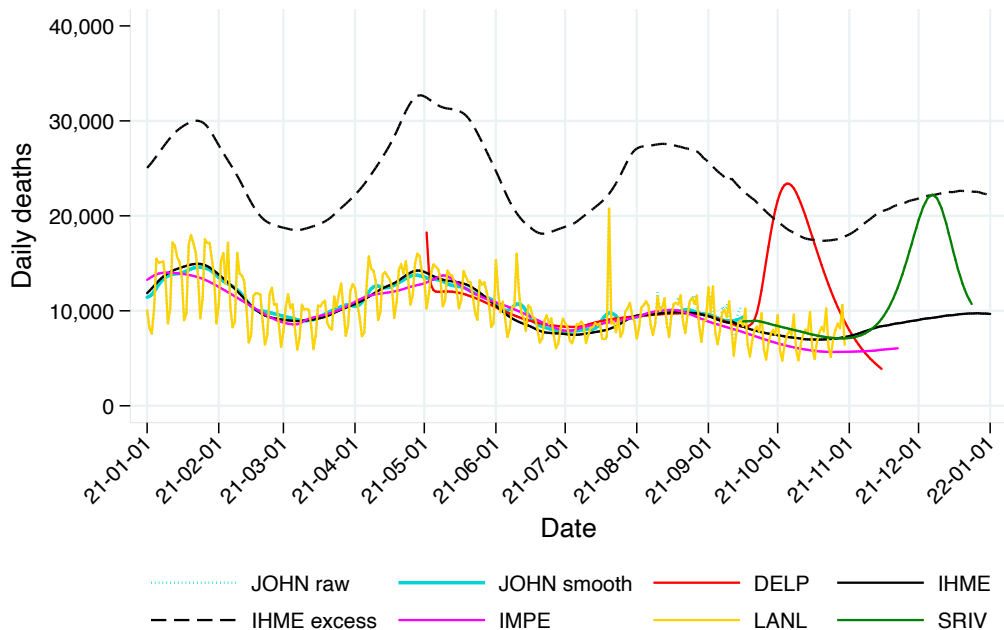
COVID-19 daily deaths, global, reference scenarios

after 2021-01-01



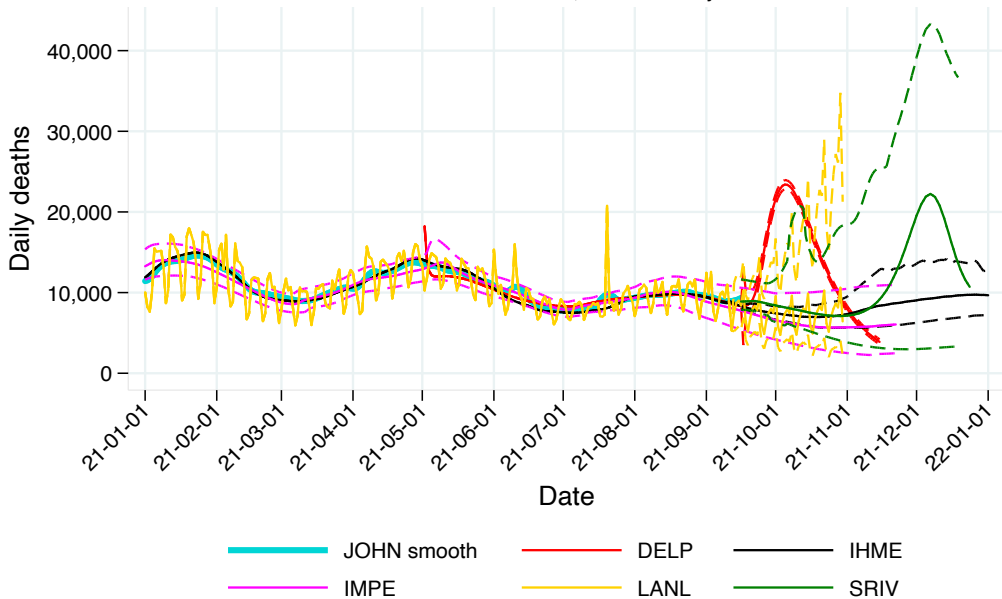
COVID-19 daily deaths, global, reference scenarios

after 2021-01-01



COVID-19 daily deaths, global, reference scenarios

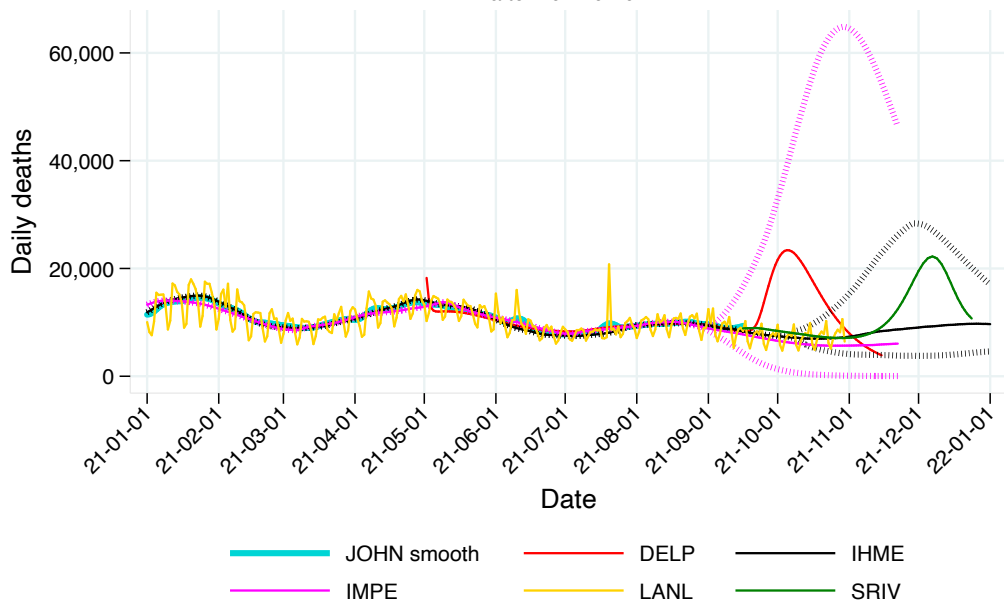
after 2021-01-01, w/ uncertainty



Uncertainty limits: dashed curves

COVID-19 daily deaths, global, 3 scenarios

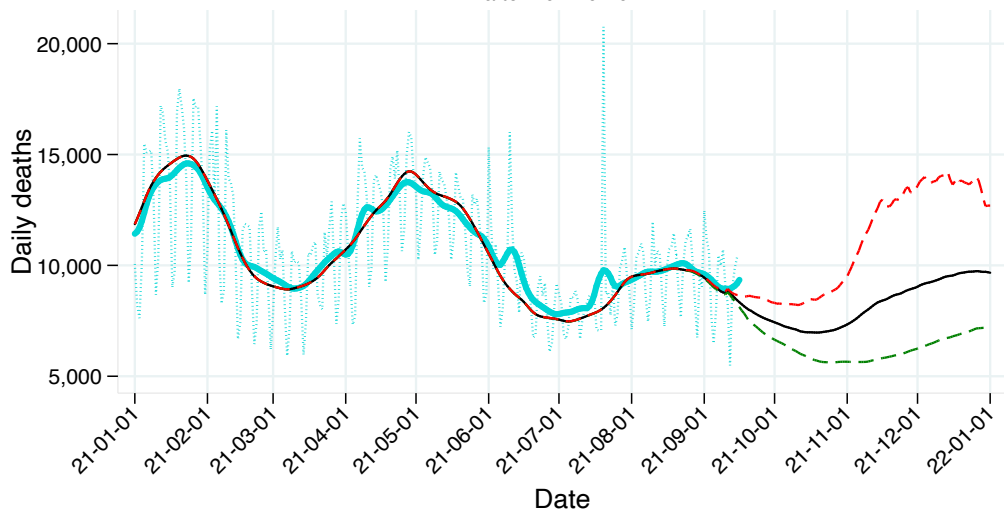
after 2021-01-01



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

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

after 2021-01-01

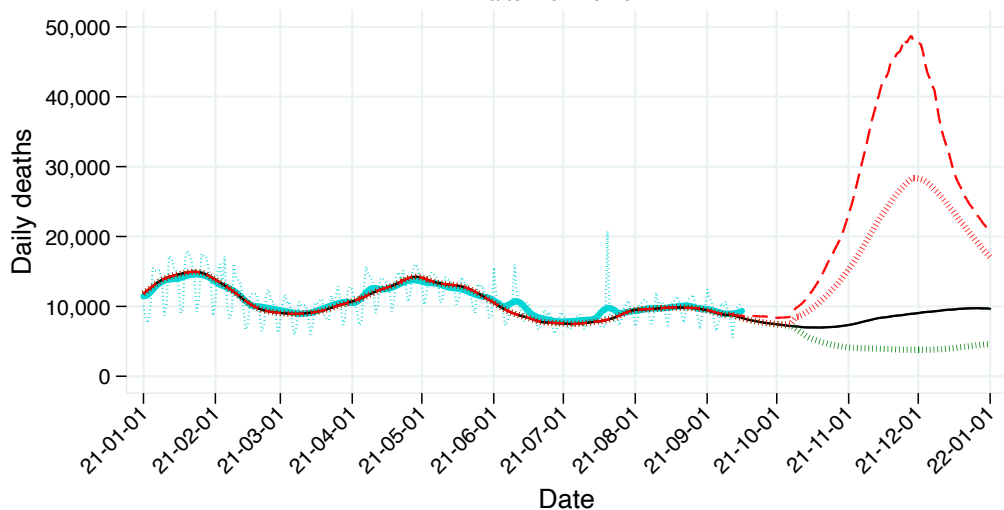


JOHN raw JOHN smooth IHME mean
IHME lower IHME upper

Uncertainty limits: dashed (---) curves

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

after 2021-01-01



JOHN raw

JOHN smooth

IHME reference

IHME best

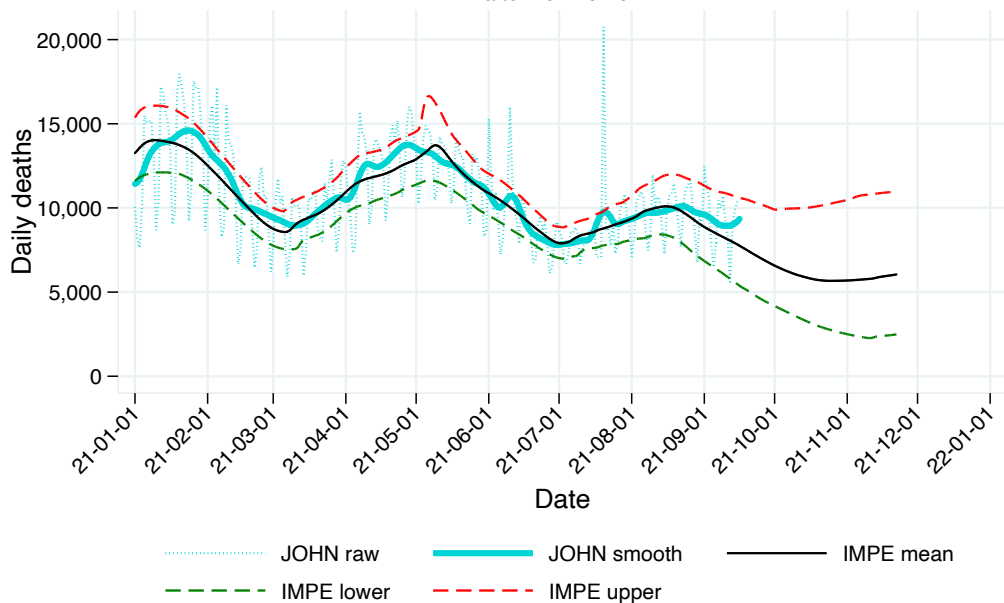
IHME worse

IHME worse upper

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

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

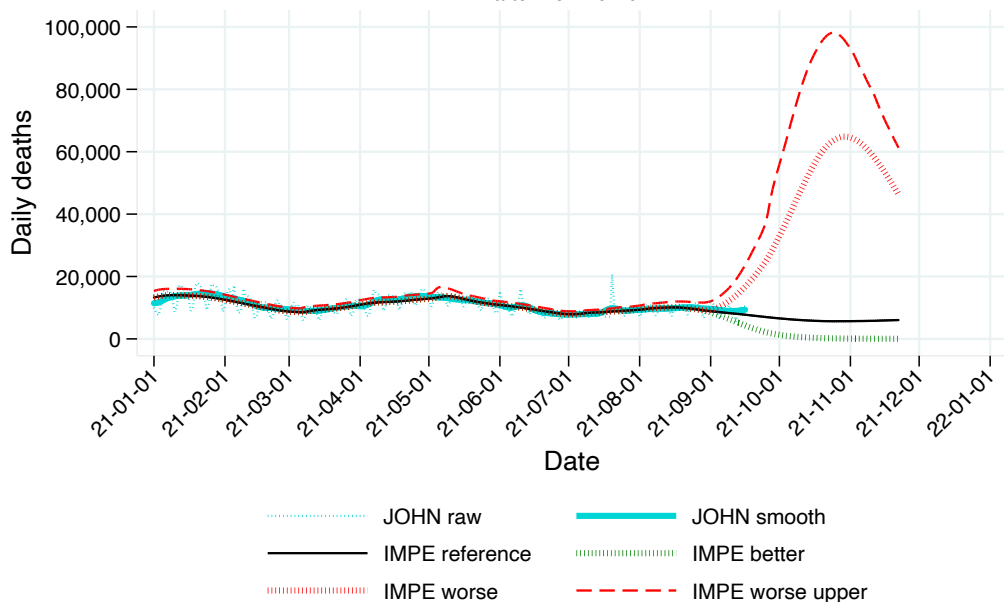
after 2021-01-01



Uncertainty limits: dashed (---) curves

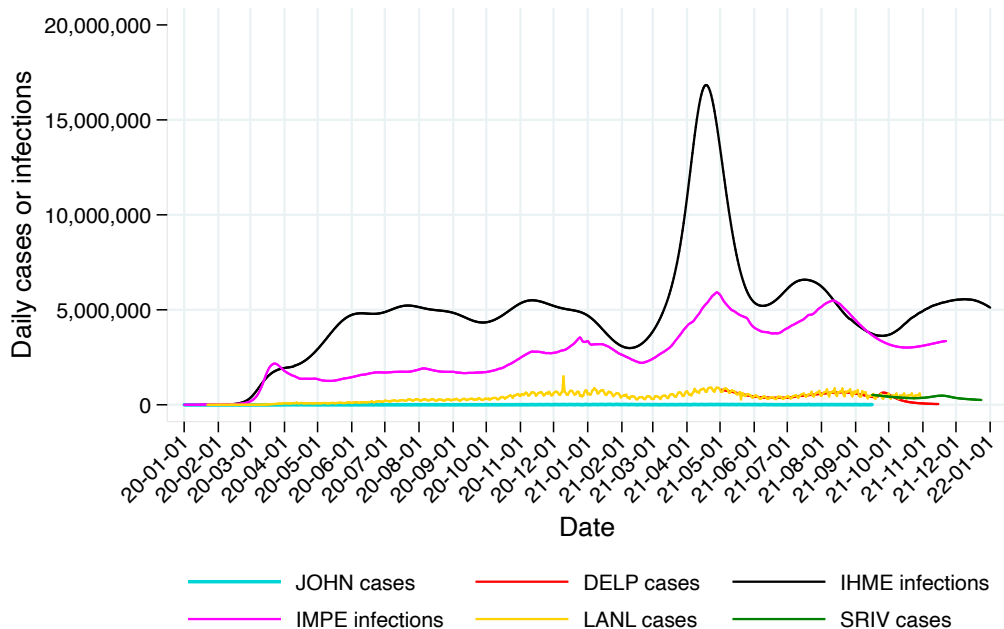
COVID-19 daily deaths, global, 3 scenarios, IMPE

after 2021-01-01



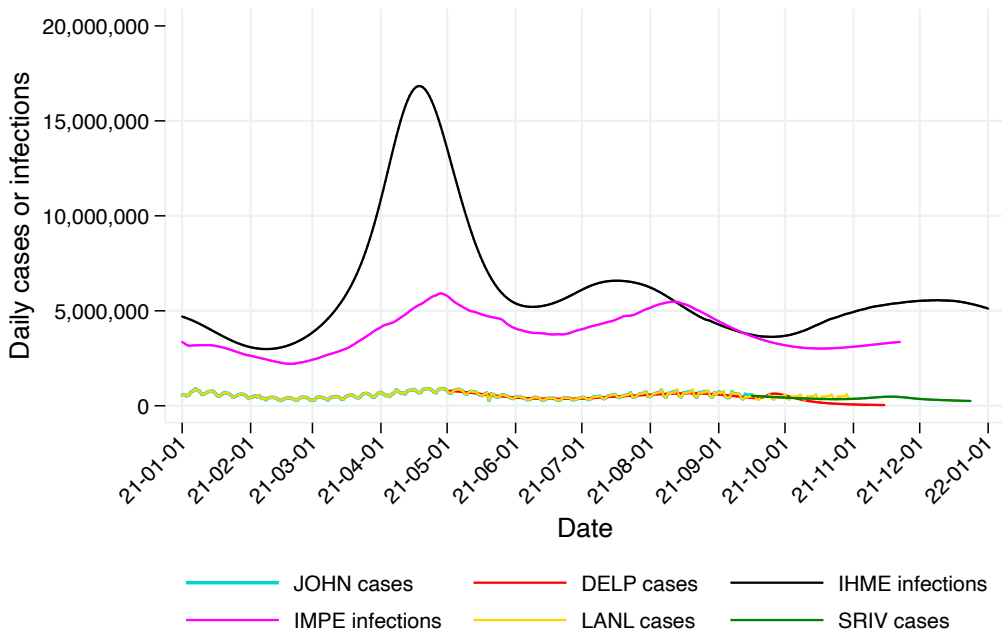
Better and worse scenarios: tight dot (|||||) curves; Uncertainty limits: dashed (---) curves

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



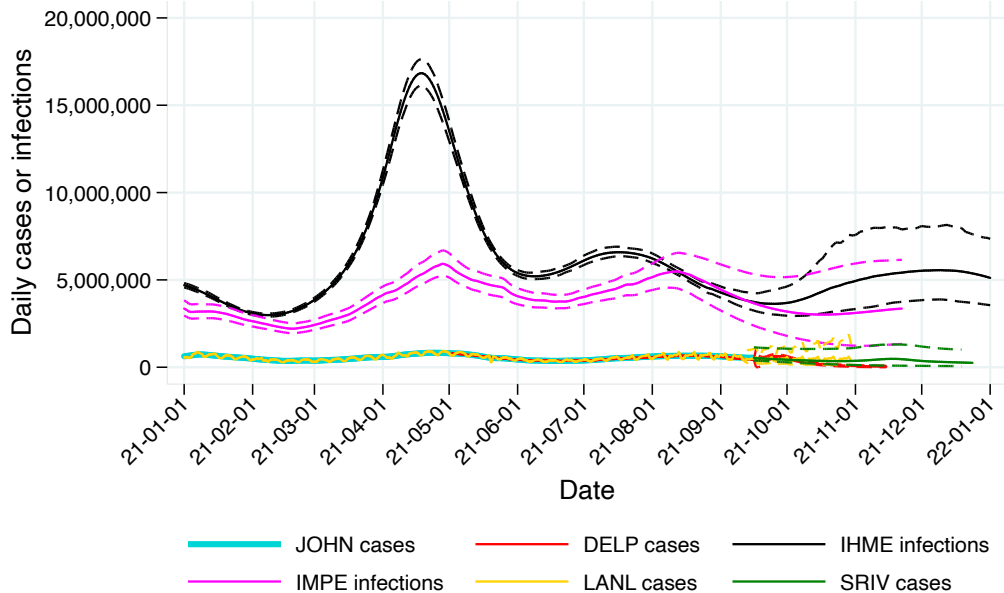
COVID-19 daily cases or infections, global, reference scenarios

after 2021-01-01



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

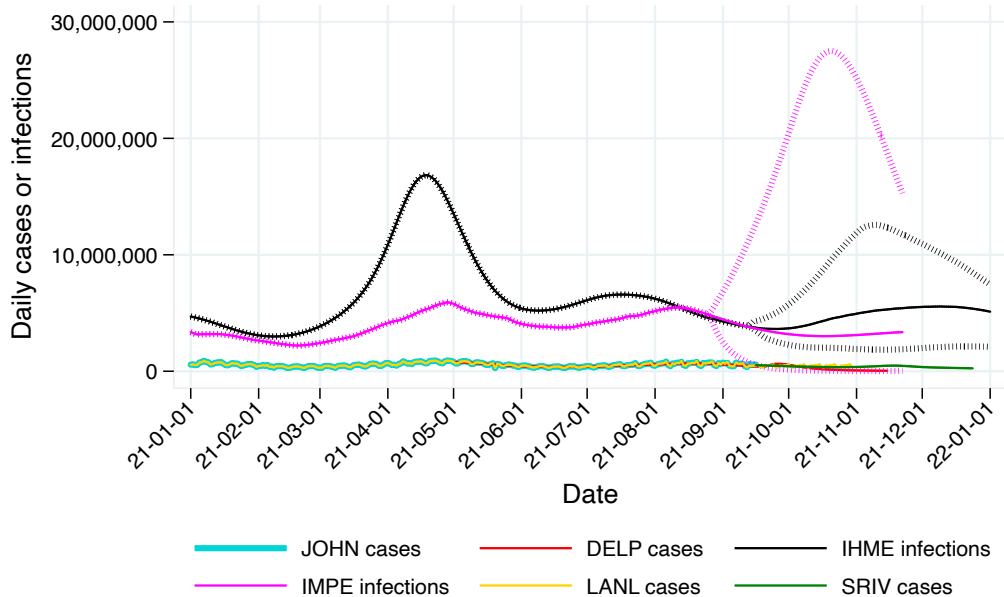
after 2021-01-01, w/ uncertainty



Uncertainty limits: dashed curves

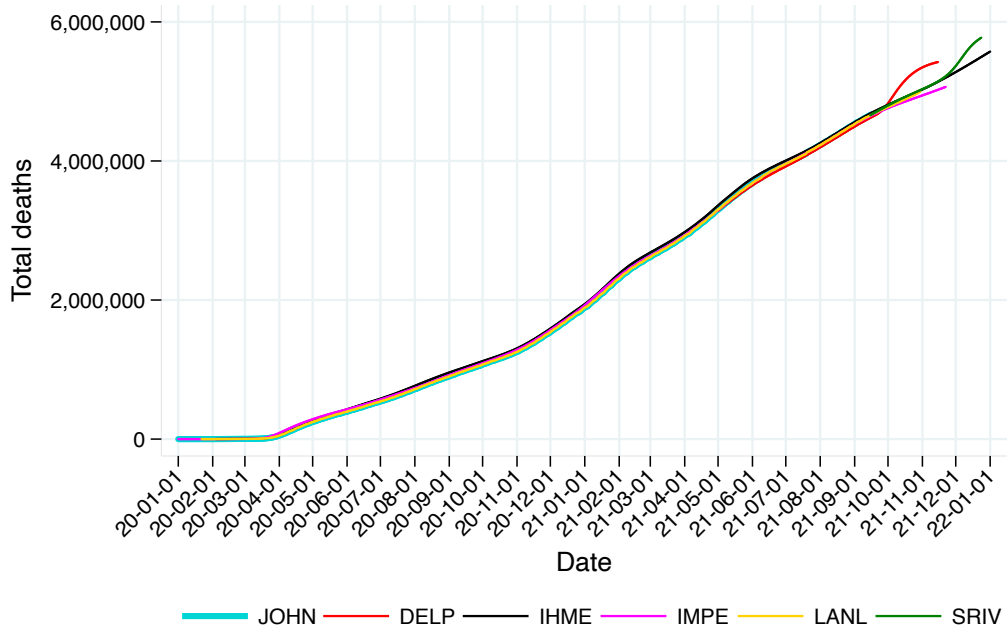
COVID-19 daily cases or infections, global, 3 scenarios

after 2021-01-01

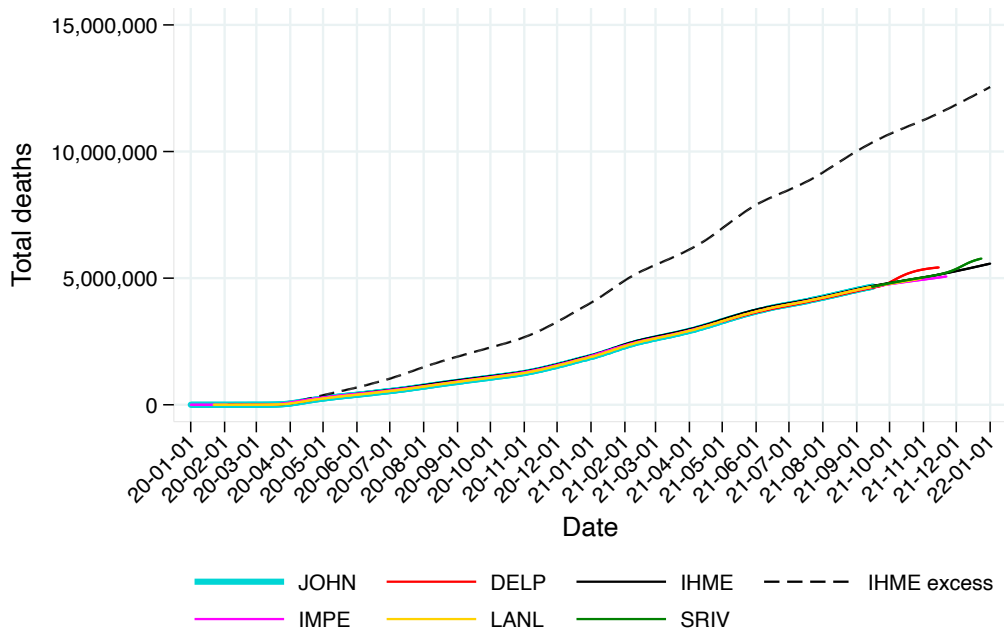


Better and worse scenarios: tight dot (||||) curves; IHME and IMPE

COVID-19 total deaths, global, reference scenarios

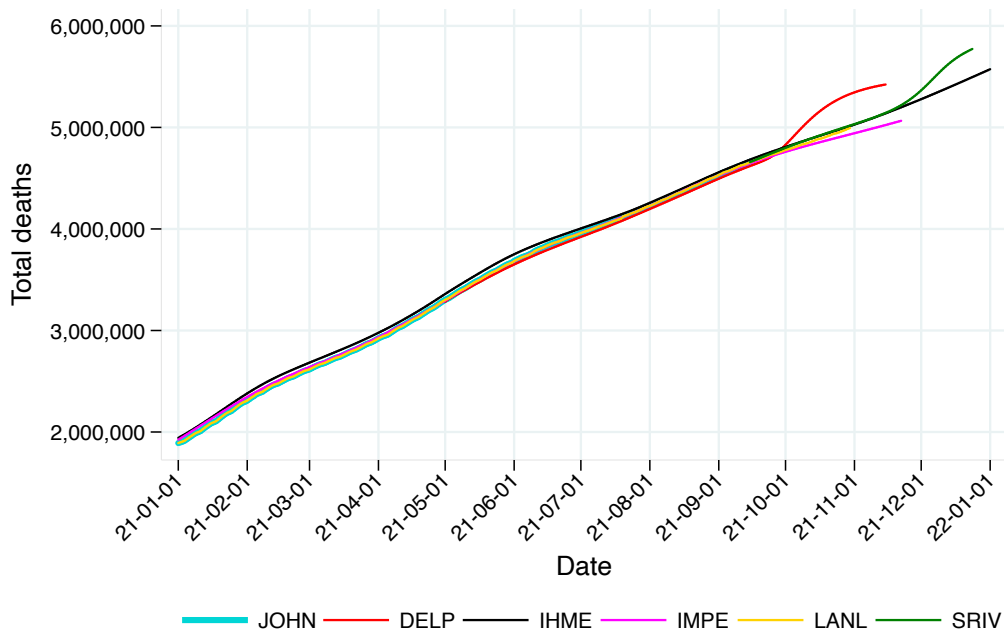


COVID-19 total deaths, global, reference scenarios



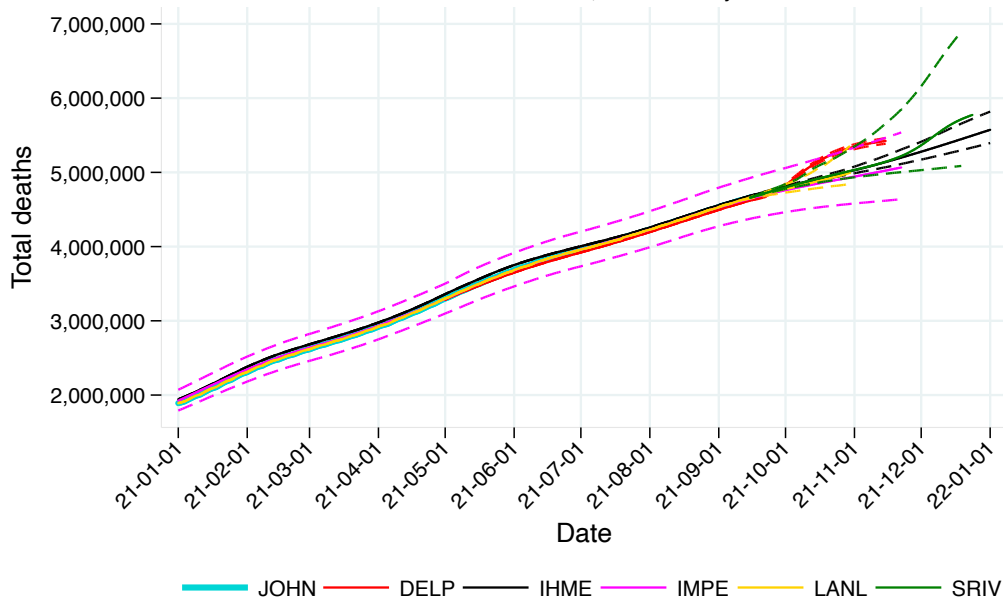
COVID-19 total deaths, global, reference scenarios

after 2021-01-01



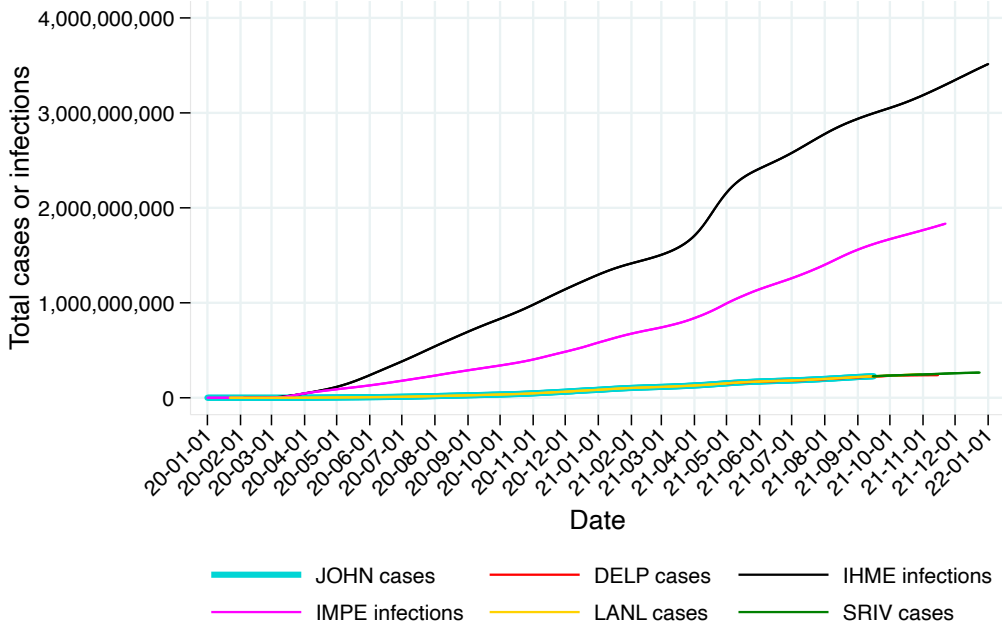
COVID-19 total deaths, global, reference scenarios

after 2021-01-01, w/ uncertainty



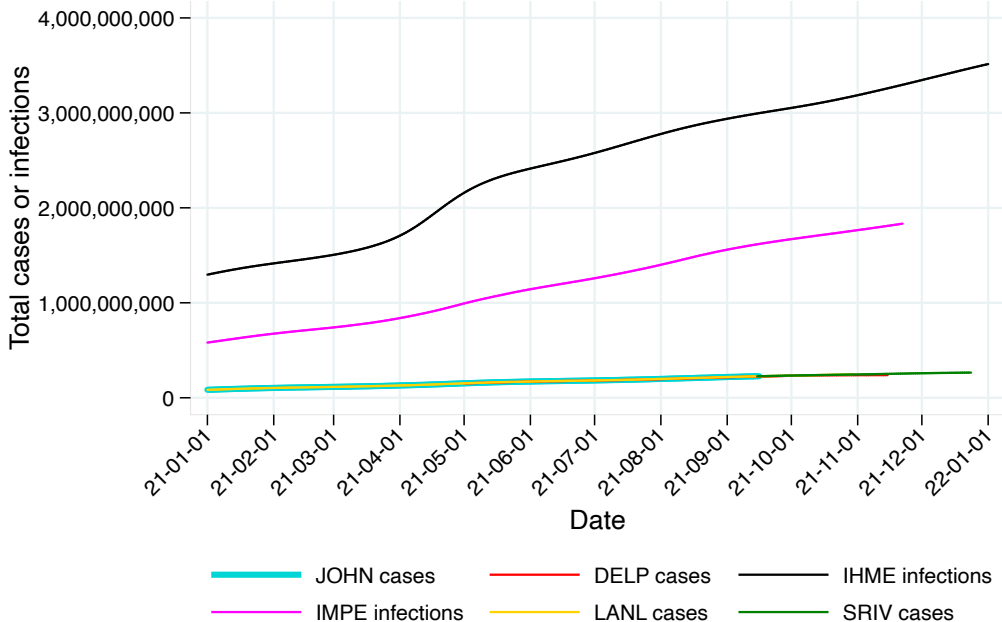
Uncertainty limits: dashed curves

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



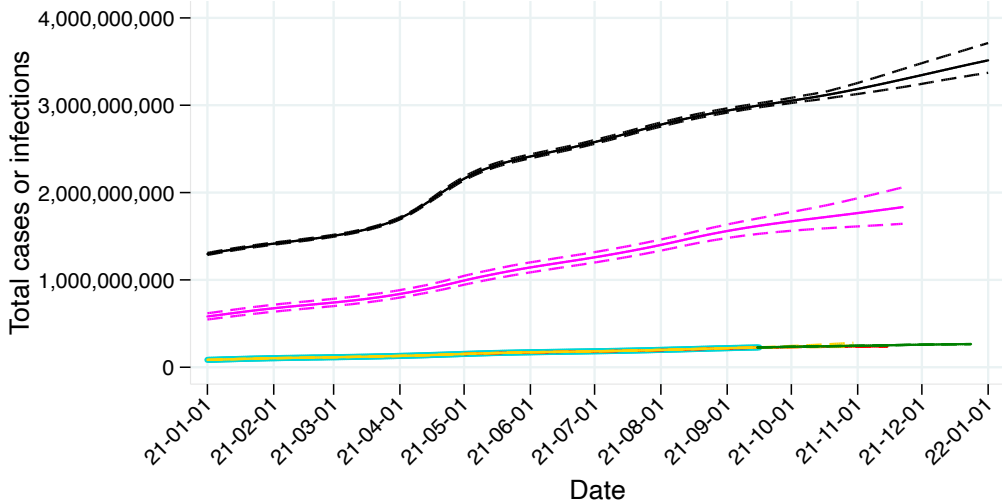
COVID-19 total cases or infections, global, reference scenarios

after 2021-01-01



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

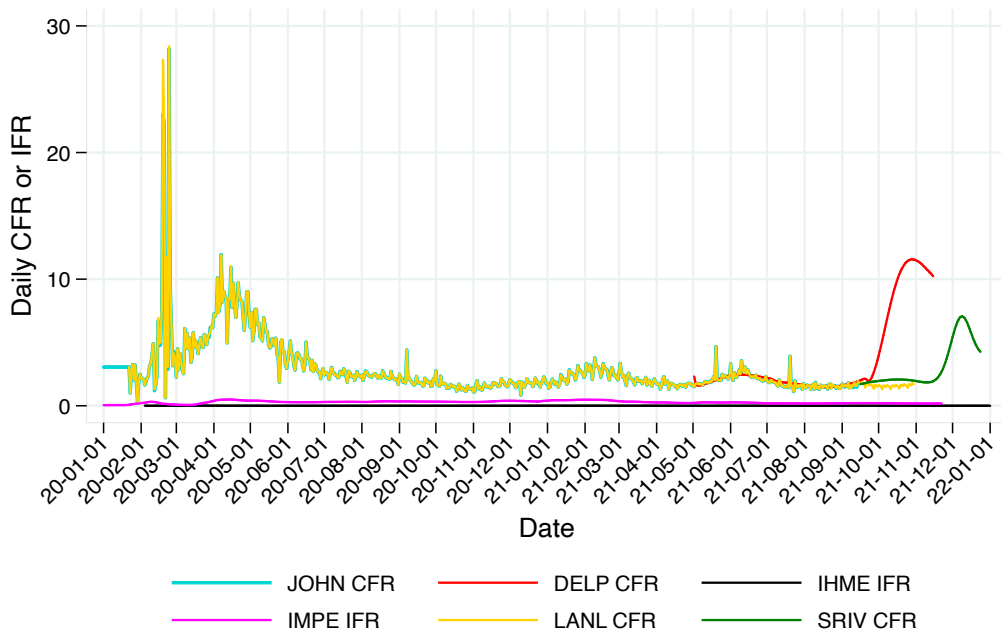
after 2021-01-01, w/ uncertainty



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

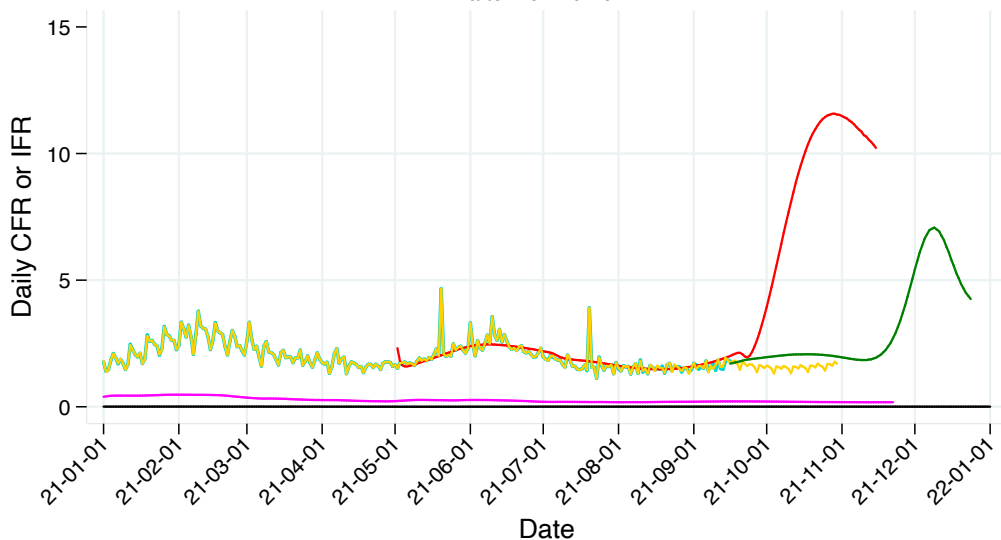
Uncertainty limits: dashed curves

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



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

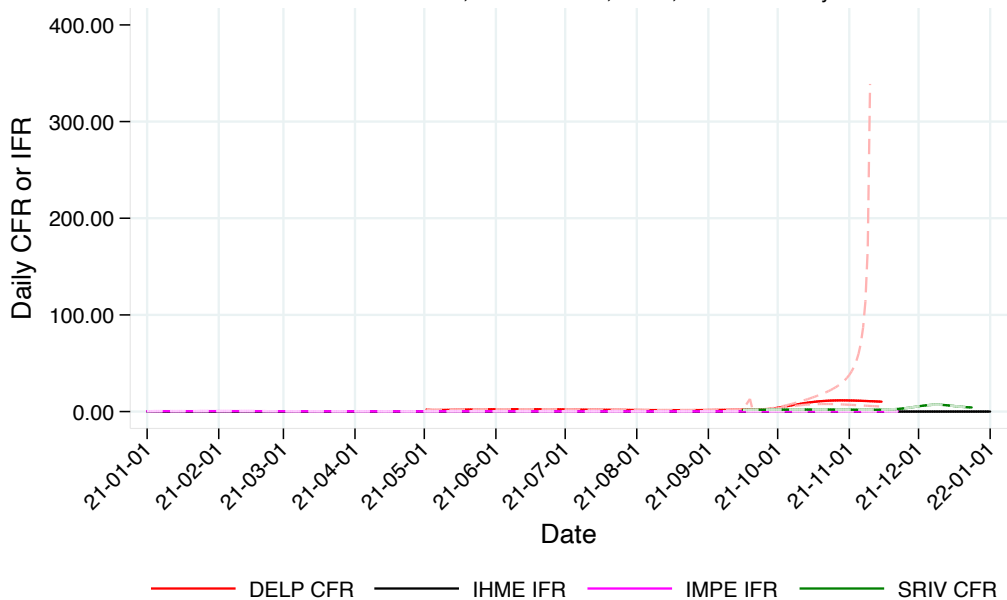
after 2021-01-01



JOHN CFR	DELP CFR	IHME IFR
IMPE IFR	LANL CFR	SRIV CFR

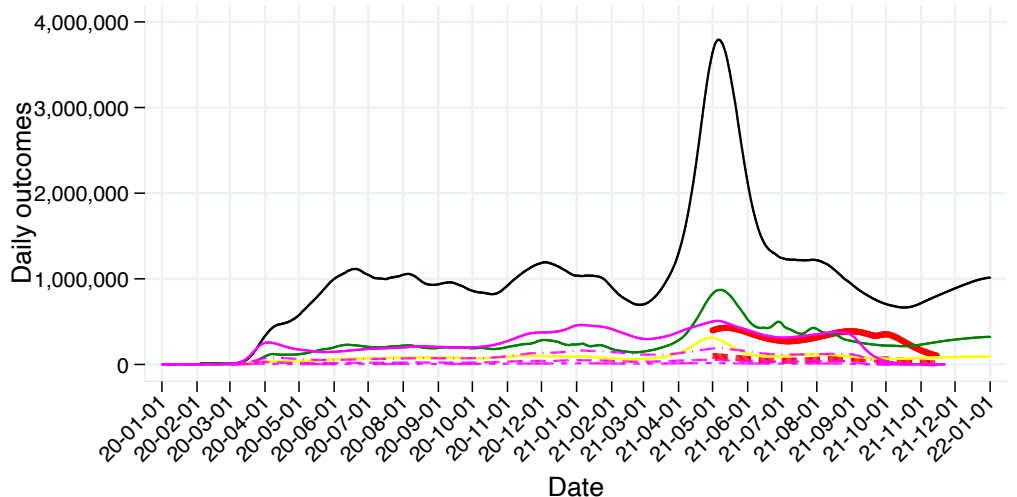
COVID-19 daily CFR or IFR, global, reference scenarios

after 2021-01-01, without JOHN, LANL, with uncertainty



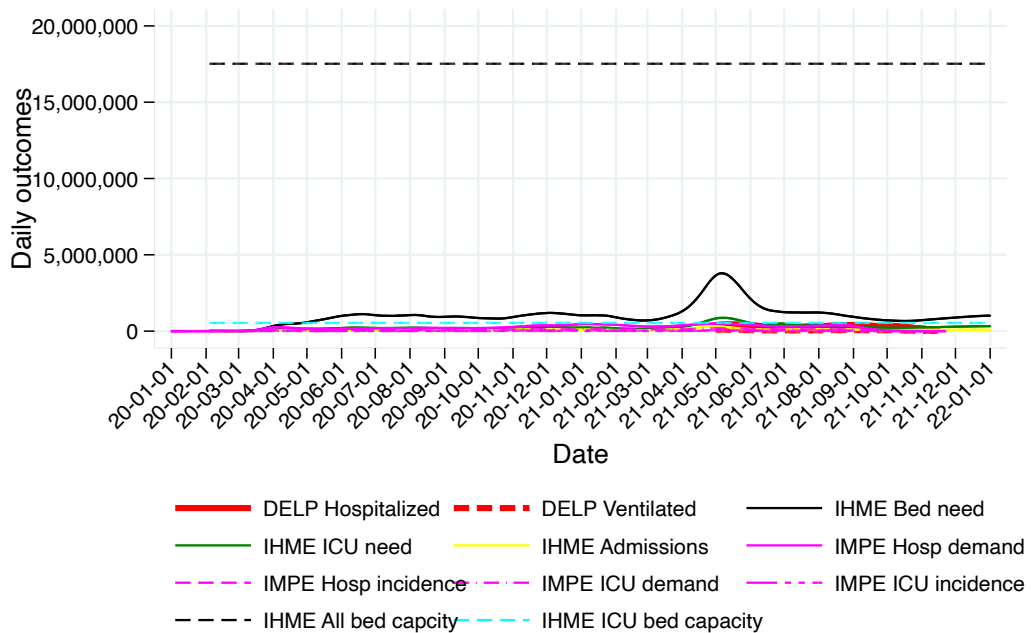
Uncertainty limits: dashed light curves.

COVID-19 daily hospital-related outcomes global, reference scenarios



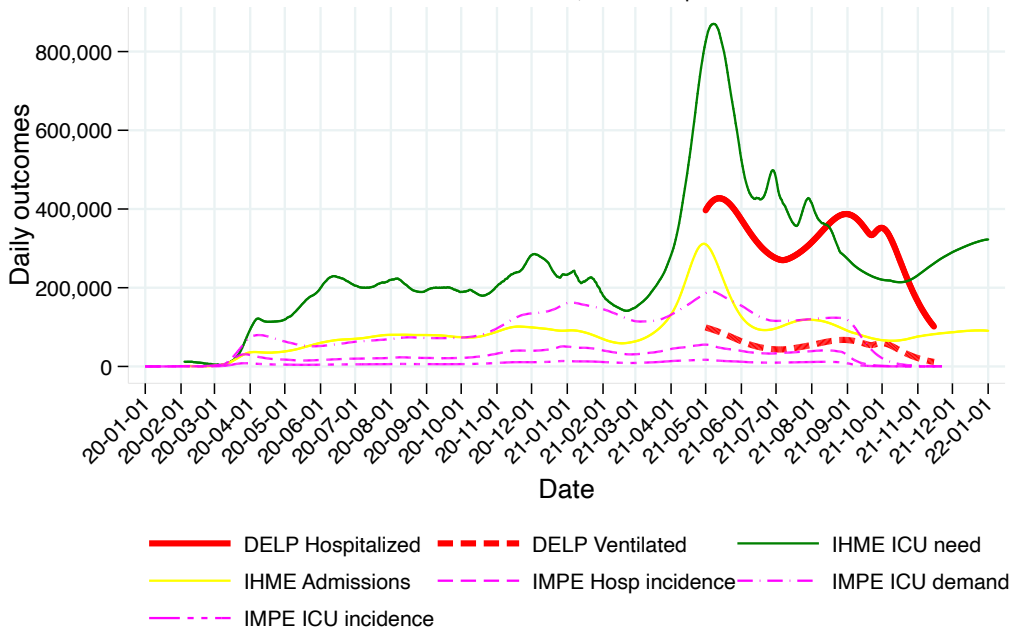
DELP Hospitalized DELP Ventilated IHME Bed need
IHME ICU need IHME Admissions IMPE Hosp demand
IMPE Hosp incidence IMPE ICU demand IMPE ICU incidence

COVID-19 daily hospital-related outcomes global, reference scenarios



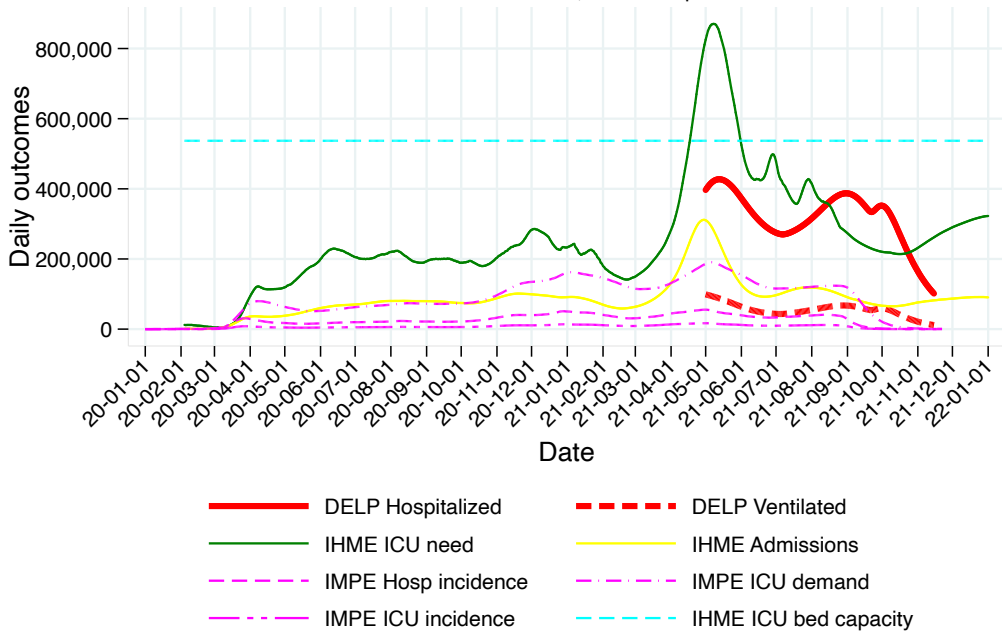
COVID-19 daily hospital-related outcomes global, reference scenarios

without IHME Bed need, IMPE Hosp demand



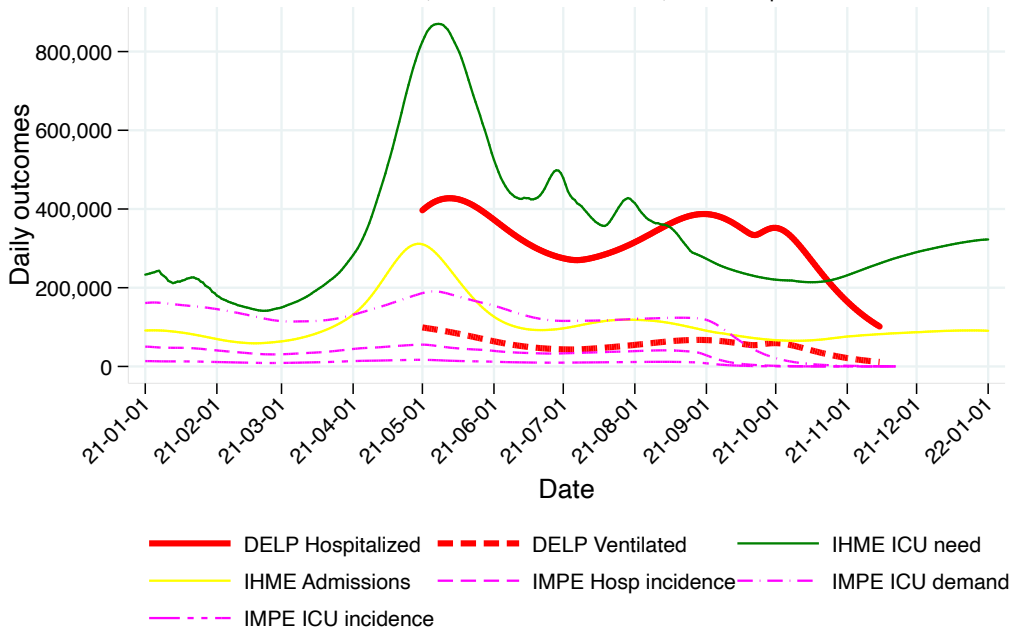
COVID-19 daily hospital-related outcomes global, reference scenarios

without IHME Bed need, IMPE Hosp demand



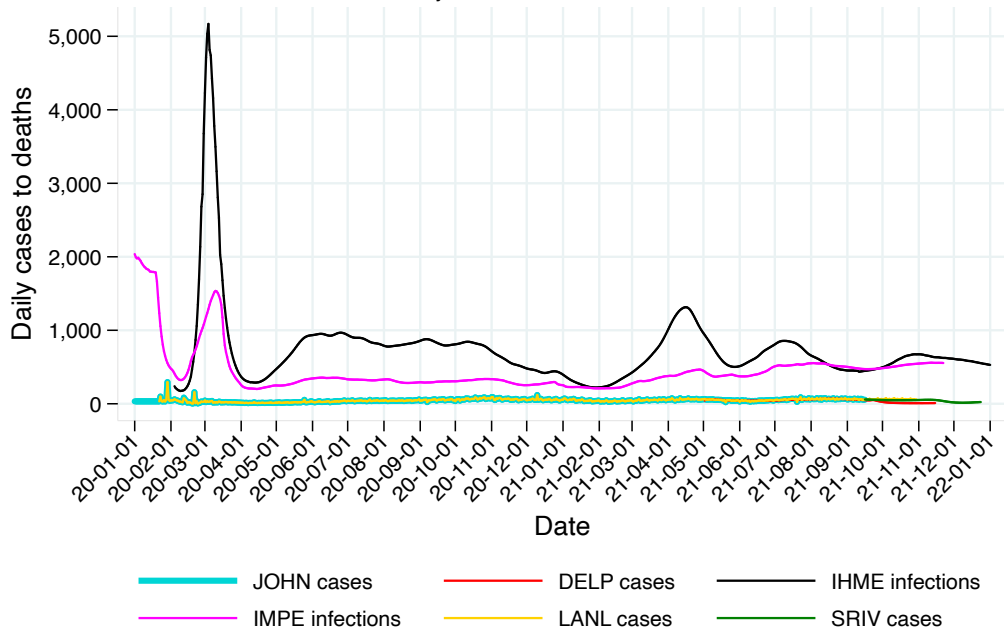
COVID-19 daily hospital-related outcomes global, reference scenarios

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



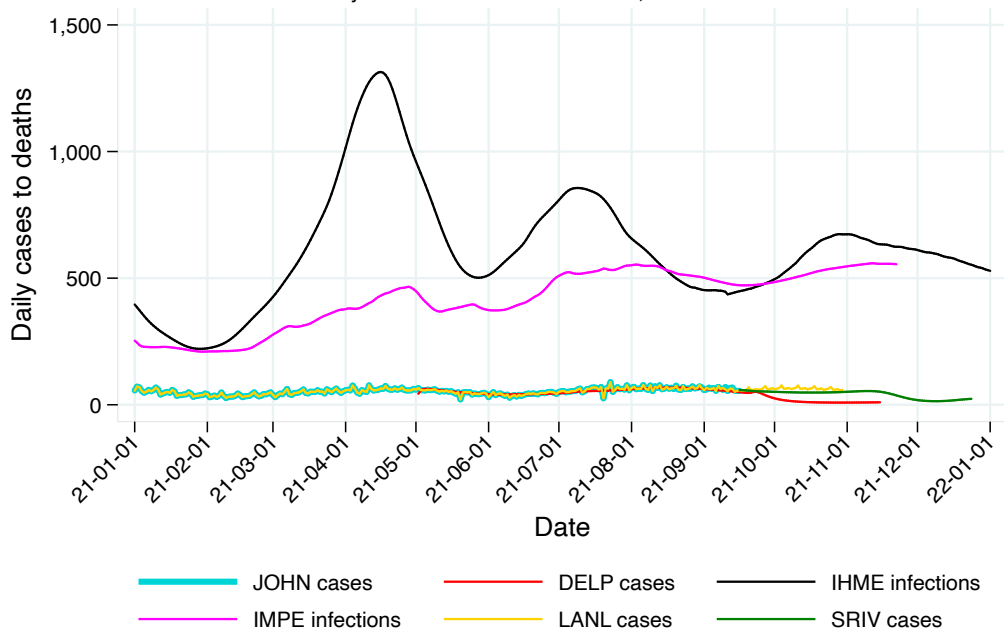
COVID-19 daily cases to deaths, global, reference scenarios

daily cases or infections to deaths



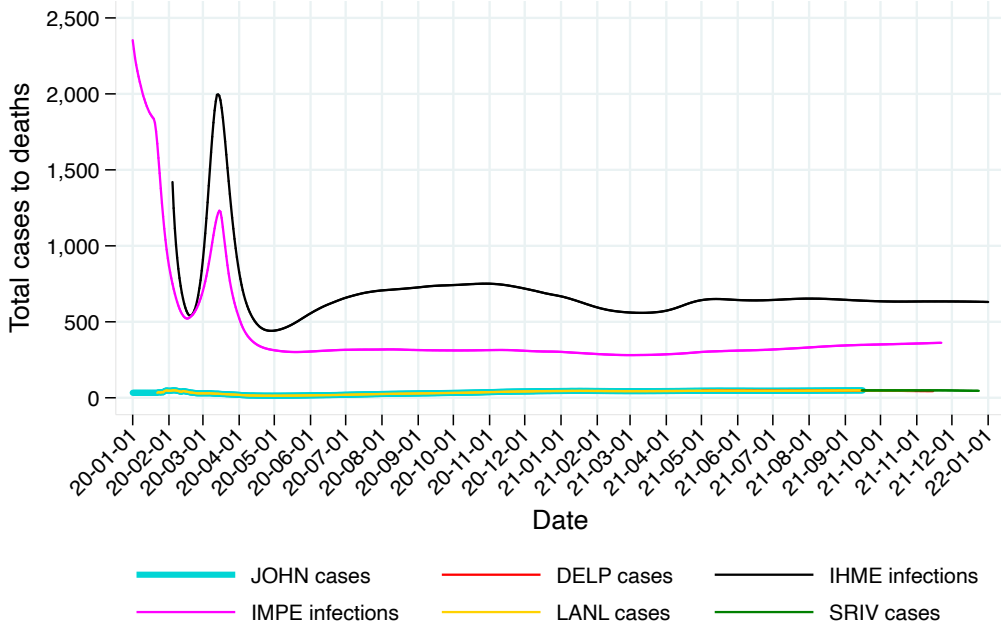
COVID-19 daily cases to deaths, global, reference scenarios

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



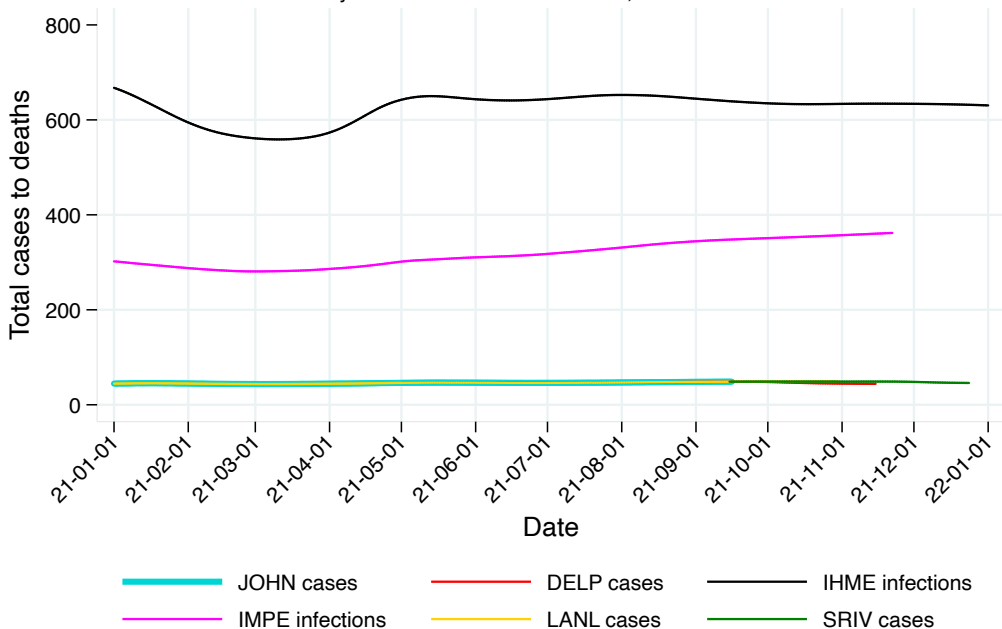
COVID-19 total cases to deaths, global, reference scenarios

daily cases or infections to deaths

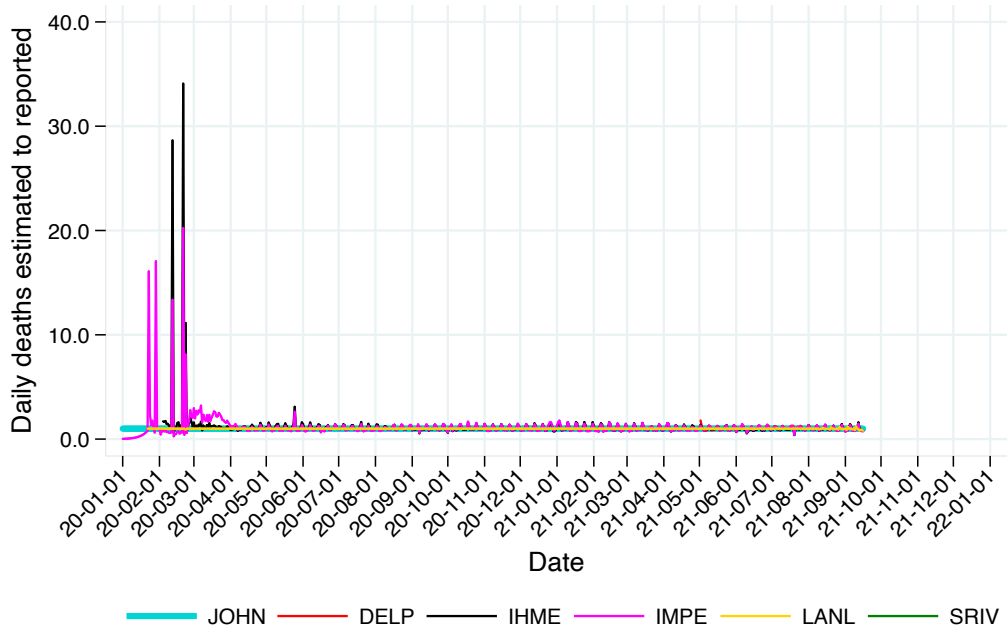


COVID-19 total cases to deaths, global, reference scenarios

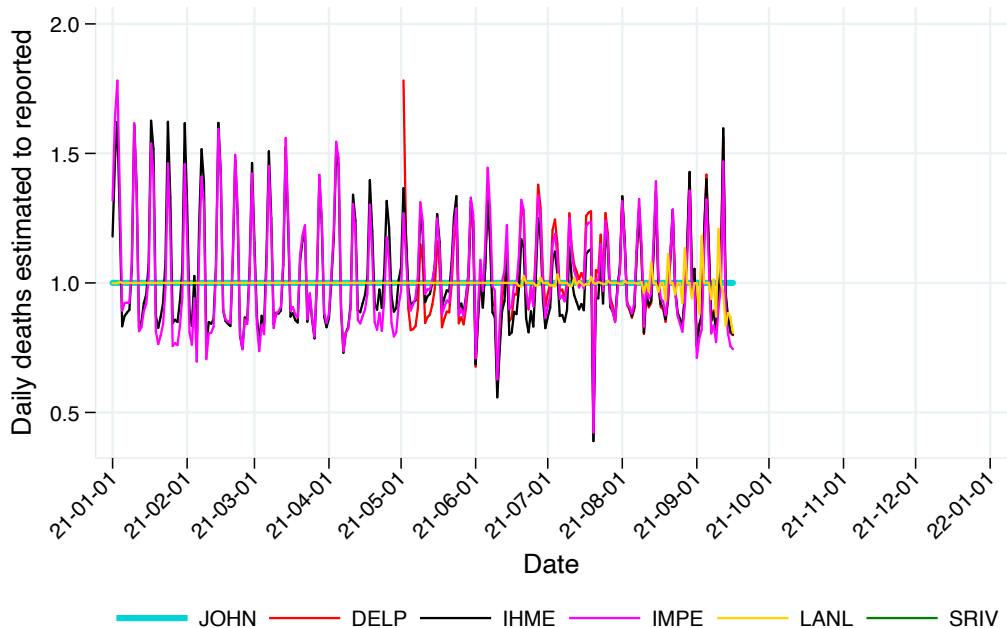
daily cases or infections to deaths; after 2021-01-01



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

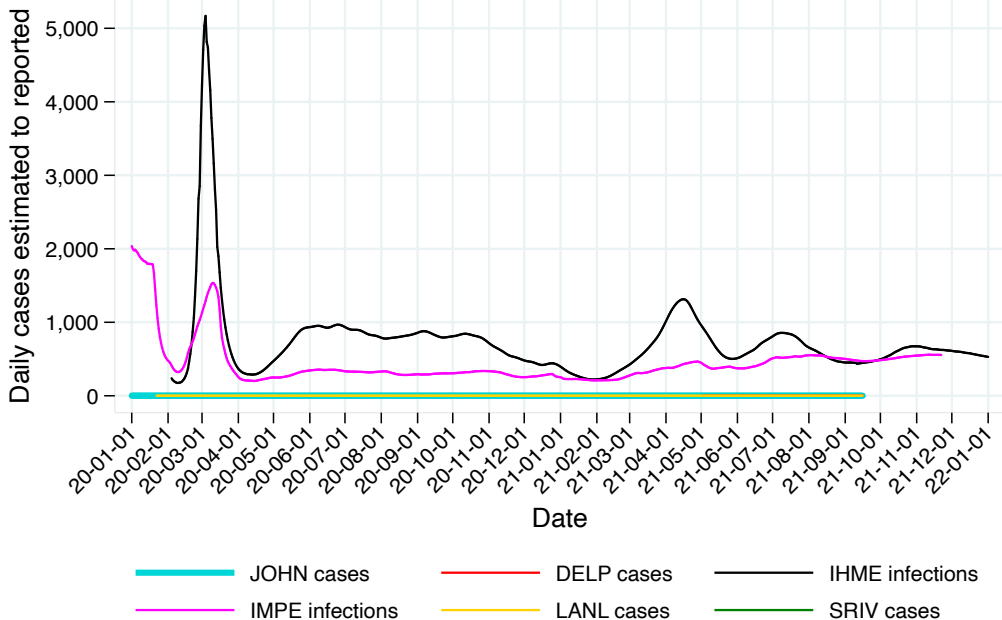


COVID-19 daily deaths estimated to reported, global, reference scenarios



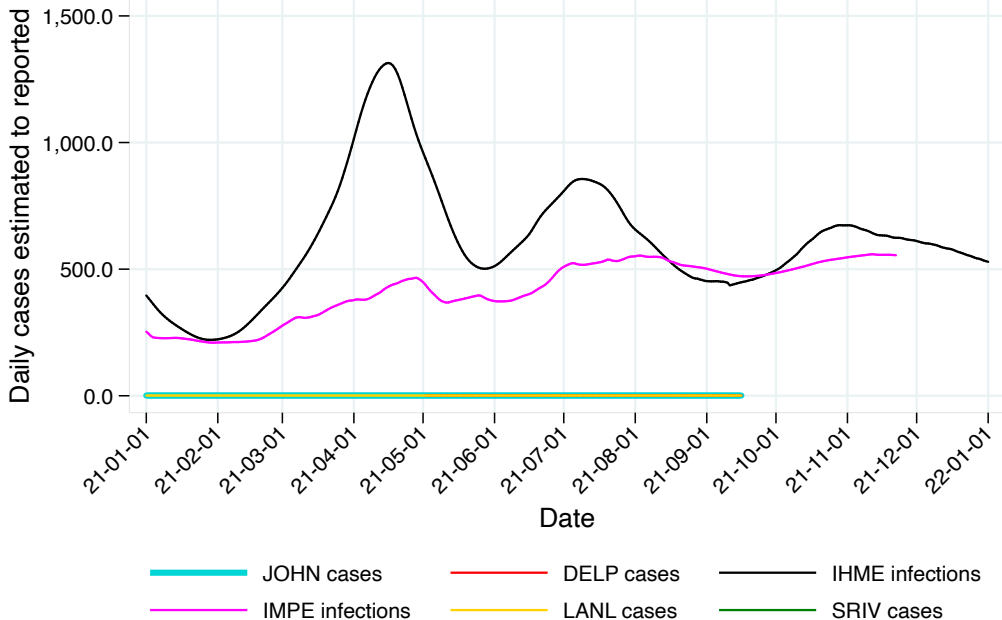
COVID-19 daily cases estimated to reported, global, reference scenarios

daily cases or infections estimated, to reported cases

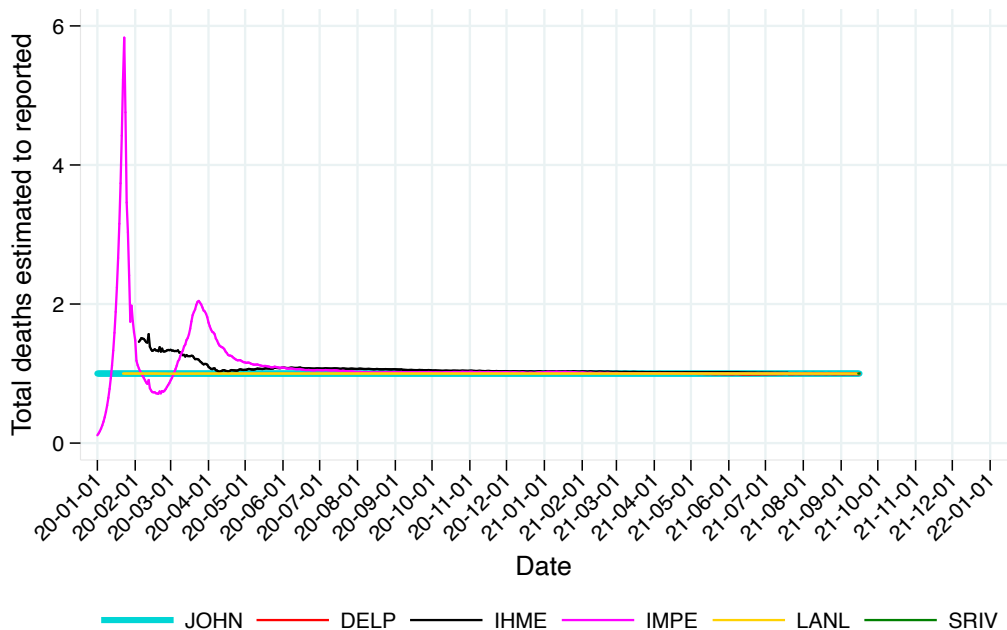


COVID-19 daily cases estimated to reported, global, reference scenarios

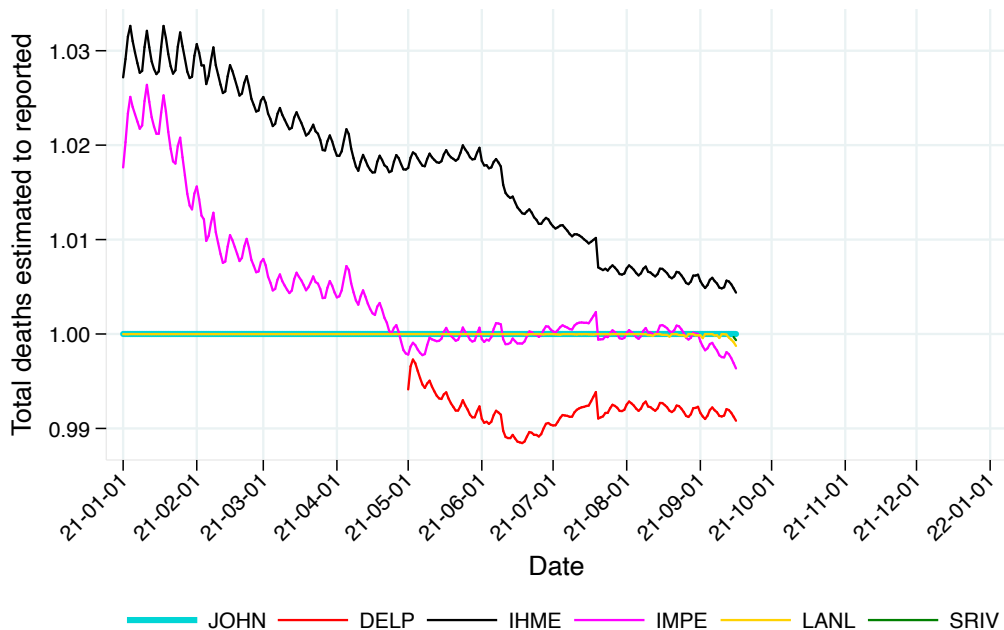
daily cases or infections estimated, to reported cases



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

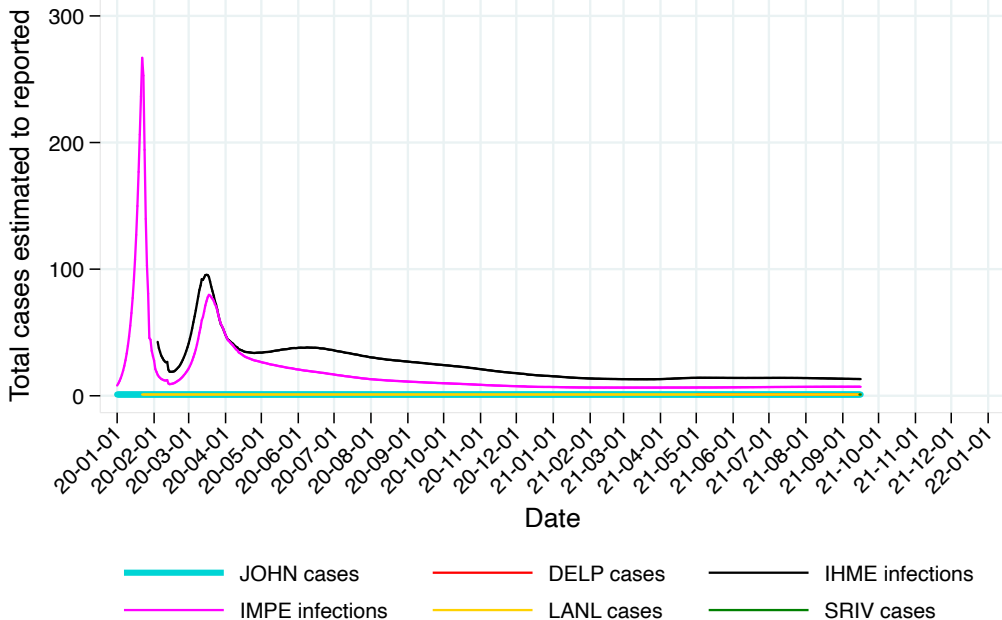


COVID-19 total deaths estimated to reported, global, reference scenarios



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

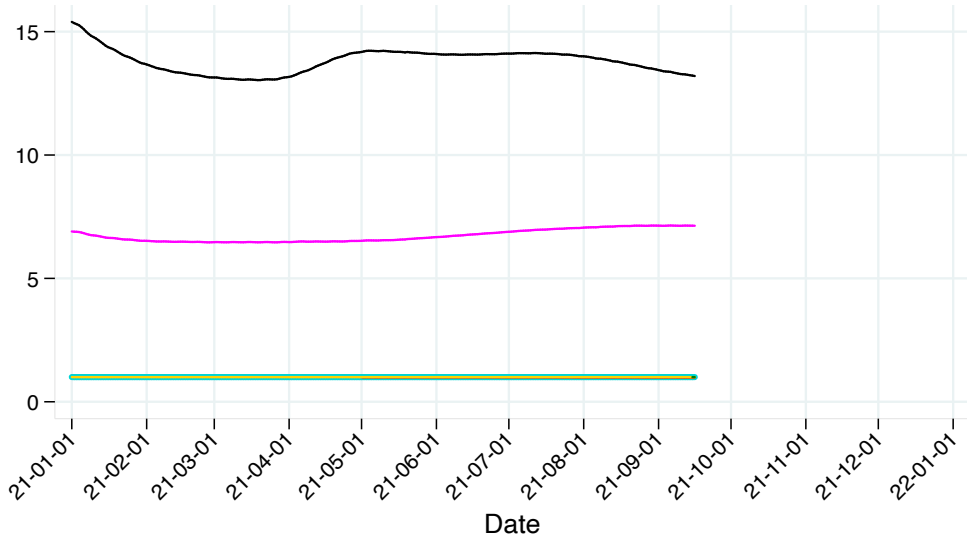
total cases or infections estimated, to reported cases



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

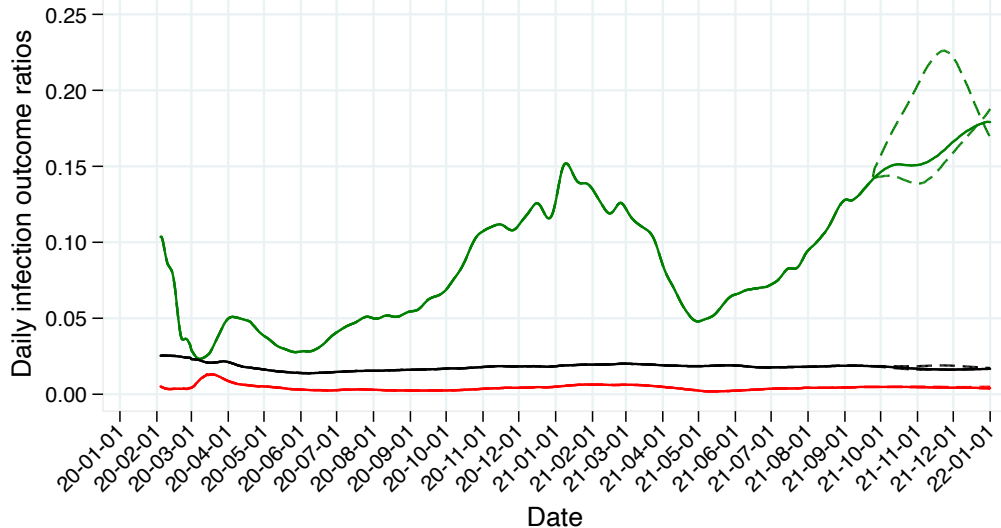
total cases or infections estimated, to reported cases

Total cases estimated to reported



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

COVID-19 daily infection outcome ratios, global, IHME, 3 scenarios



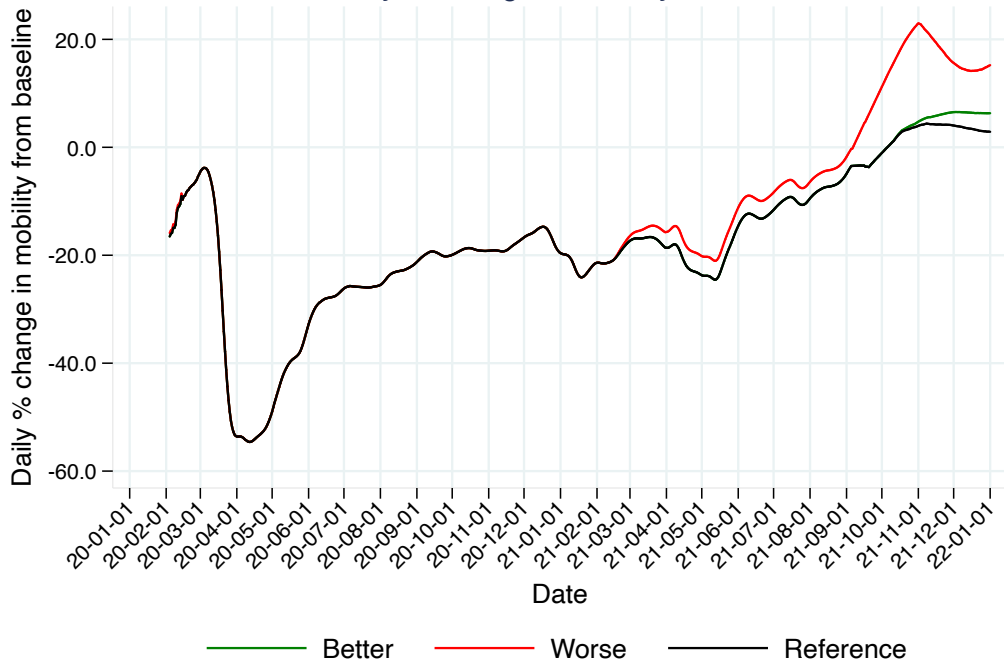
— Infection detection ratio

— Infection hospitalization ratio

— Infection fatality ratio

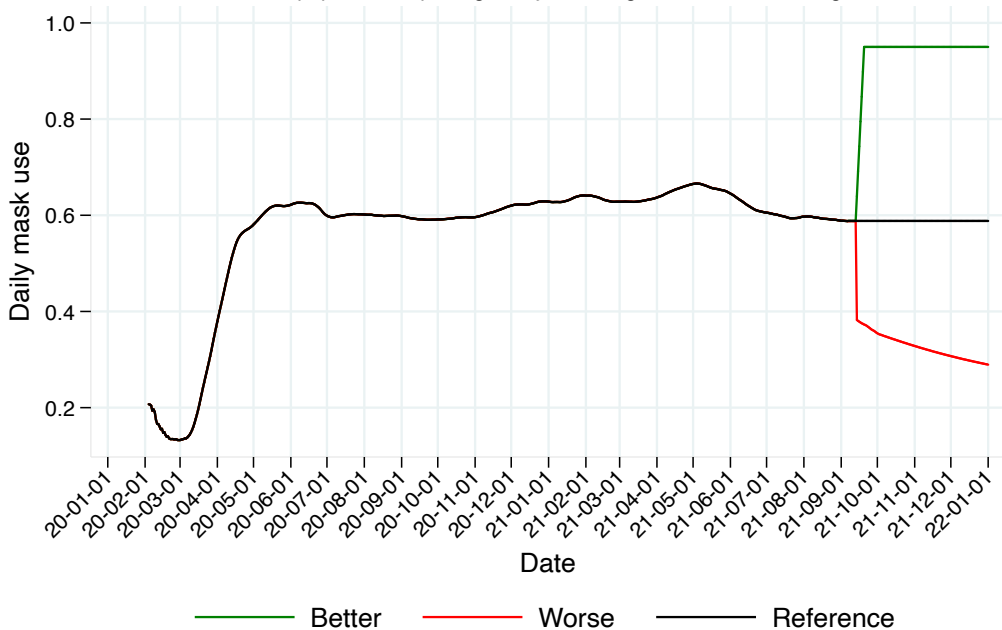
Better and worse scenarios: dashed curves

COVID-19 daily % change in mobility, IHME, 3 scenarios

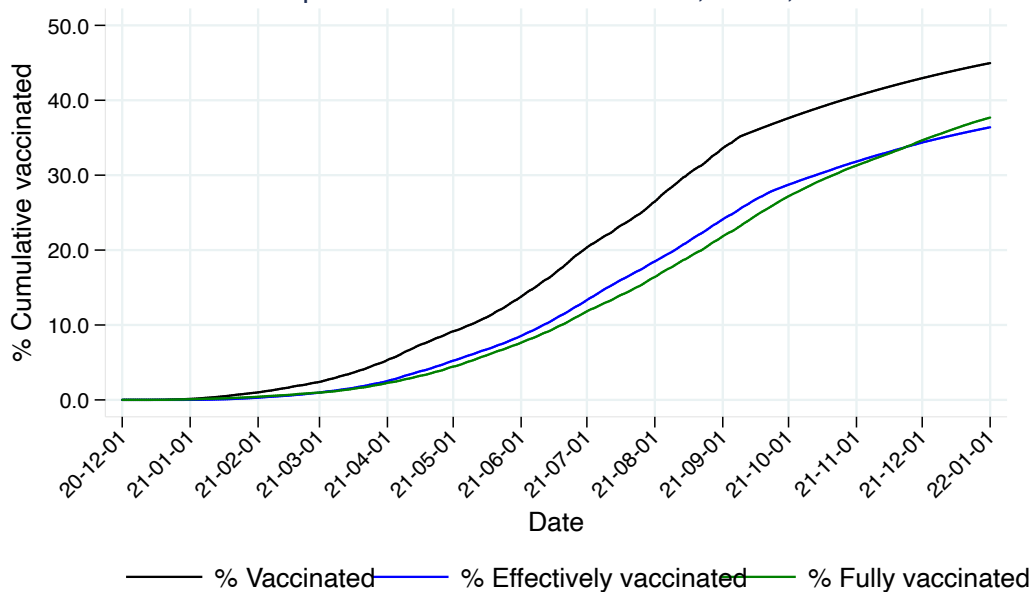


COVID-19 daily mask use, IHME, 3 scenarios

Percent of population reporting always wearing a mask when leaving home



COVID-19 percent cumulative vaccinated, IHME, 3 scenarios



Vaccinated: Initially vaccinated (one dose of two doses)

Effectively vaccinated: one and two dose with efficacy

Fully vaccinated: one of one and two of two doses