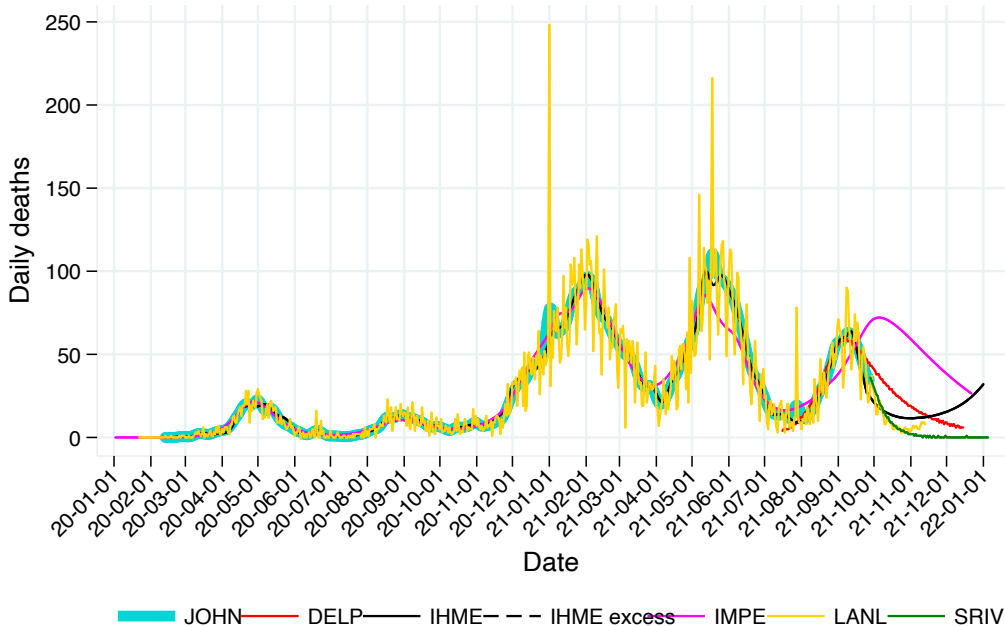COVID-19 daily deaths, Japan

reference scenarios
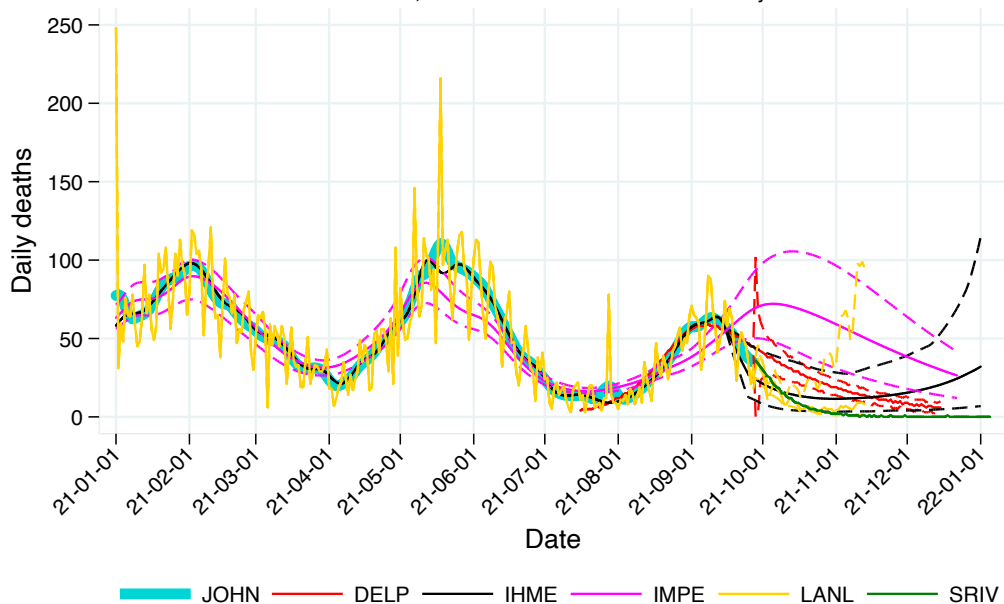
COVID-19 daily deaths, Japan

2021 on, reference scenarios

Legend: JOHN, DELP, IHME, IHME excess, IMPE, LANL, SRIV

COVID-19 daily deaths, Japan

2021 on, reference scenarios with uncertainty

Legend: JOHN, DELP, IHME, IMPE, LANL, SRIV

- Uncertainty limits: dashed curves

COVID-19 daily deaths, Japan, IHME

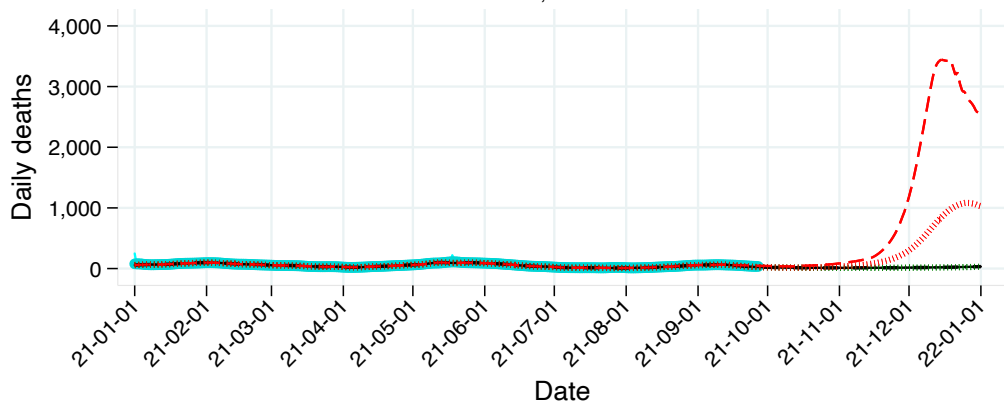2021 on, reference scenario with uncertainty
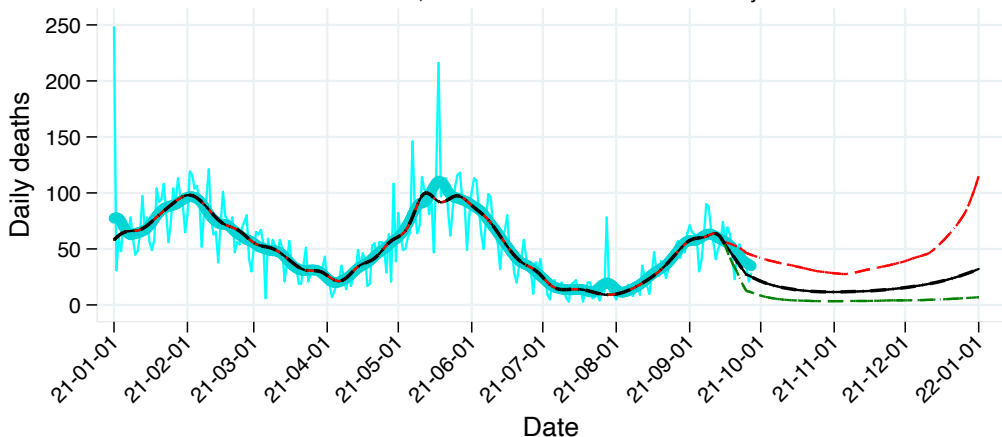
Legend:
- JOHN raw
- JOHN smooth
- IHME reference scenario, mean
- IHME reference scenario, lower
- IHME reference scenario, upper
- IHME excess lower
- IHME excess upper
- IHME excess mean

- Uncertainty limits: dashed (– – –) curves

COVID-19 daily deaths, Japan, IHME

2021 on, 3 scenarios

| Legend	
JOHN raw	JOHN smooth
IHME reference scenario, mean	IHME better scenario, mean
IHME worse scenario, mean	IHME worse scenario, upper limit
IHME excess reference mean	IHME excess better mean
IHME excess worse mean	IHME excess worse upper

- Better and worse scenarios: tight dot (lllll) curves; Uncertainty limits: dashed (– – –) curves.
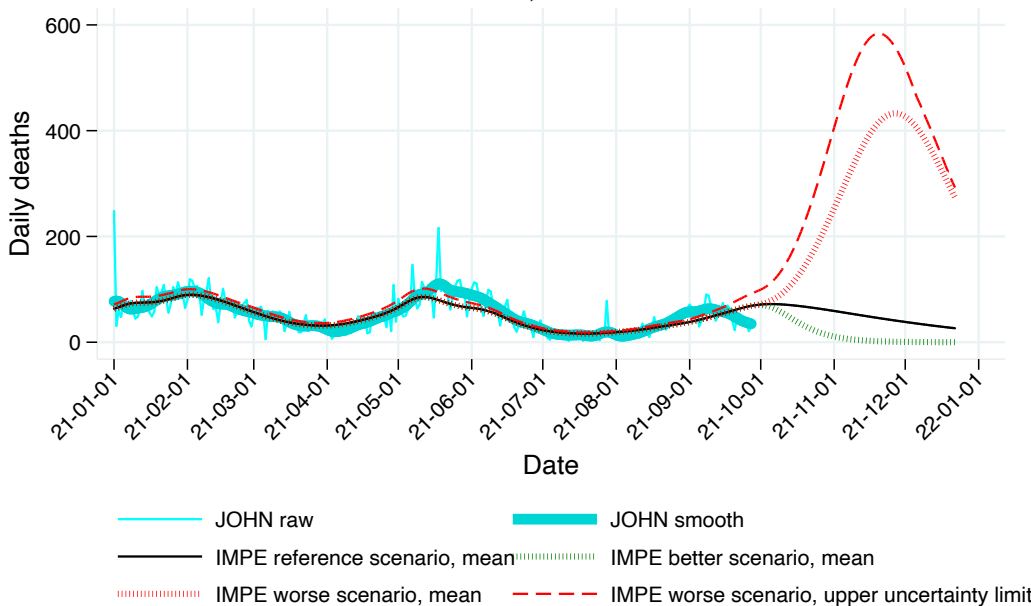
COVID-19 daily deaths, Japan, IMPE

2021 on, reference scenario with uncertainty

Legend:
- JOHN raw
- JOHN smooth
- IMPE reference scenario, mean
- IMPE reference scenario, lower
- IMPE sreference scenario, upper
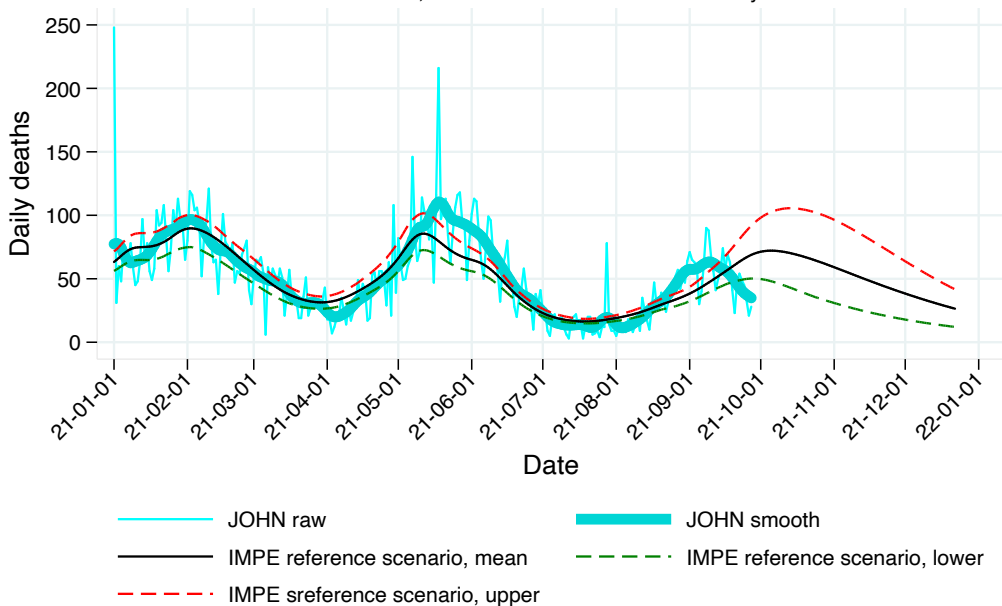
- Uncertainty limits: dashed (– – –) curves.

COVID-19 daily deaths, Japan, IMPE

2021 on, 3 scenarios

Legend:
- JOHN raw
- JOHN smooth
- IMPE reference scenario, mean
- IMPE better scenario, mean
- IMPE worse scenario, mean
- IMPE worse scenario, upper uncertainty limit
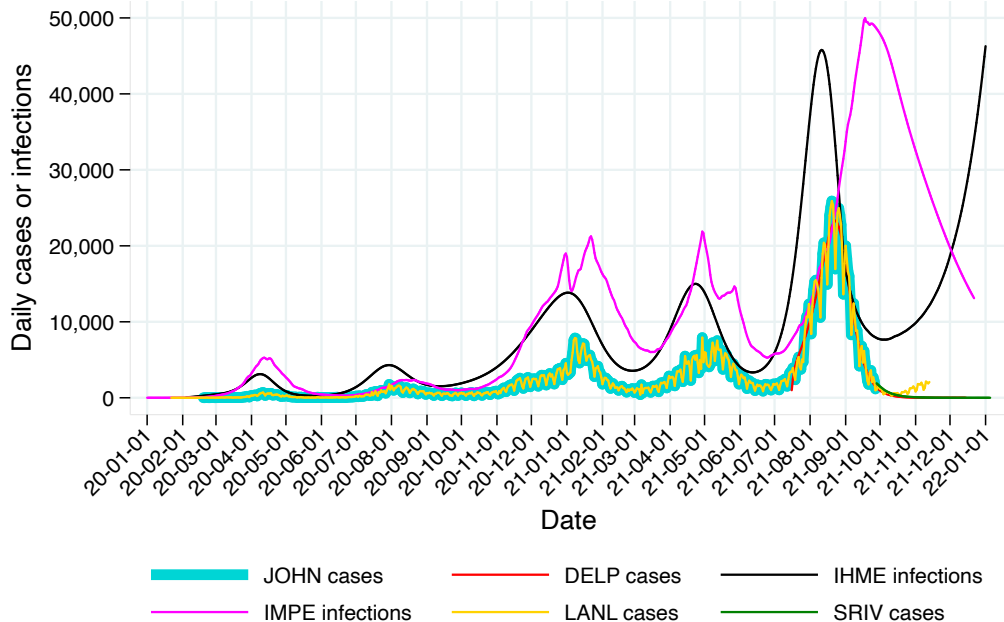
- Better and worse scenarios: tight dot (lllll) curves; Uncertainty limits: dashed (– – –) curves.

COVID-19 daily cases or infections, Japan
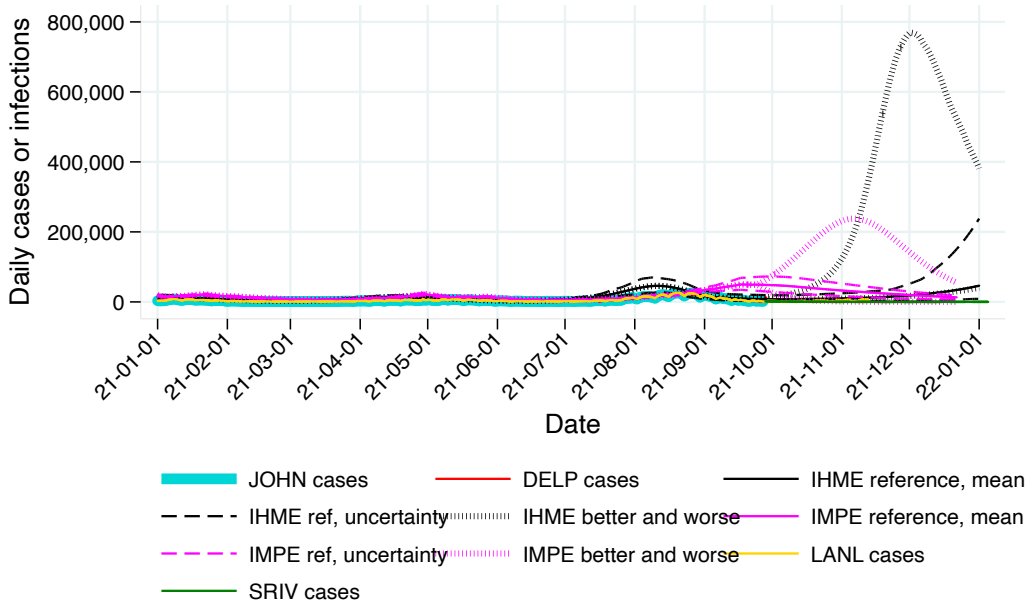
reference scenarios

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

COVID-19 daily cases or infections, Japan

2021 on, reference scenarios

Legend:
- JOHN cases
- DELP cases
- IHME infections
- IMPE infections
- LANL cases
- SRIV cases
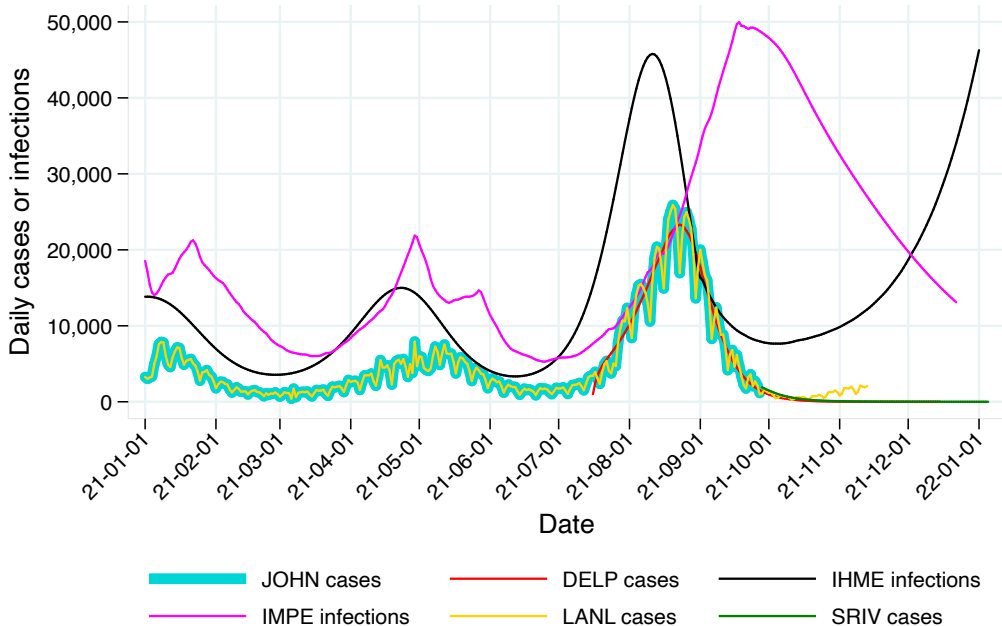
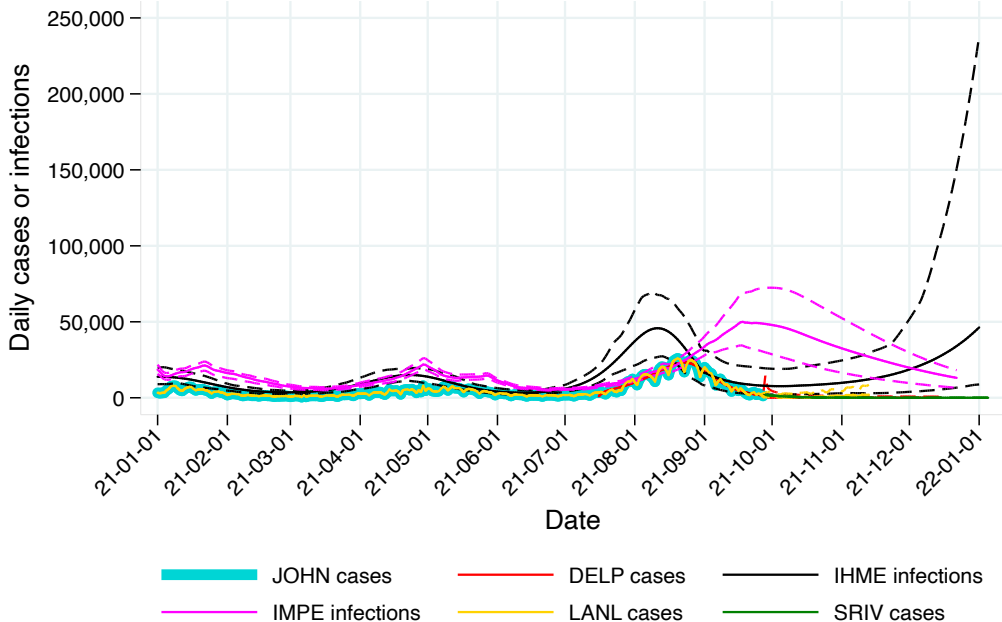COVID-19 daily cases or infections, Japan

2021 on, full scenarios, with uncertainty; IHME & IMPE: infections

- Uncertainty limits: dashed (– – –) curves; Better and worse scenarios: tight dot (IIIII) curves.
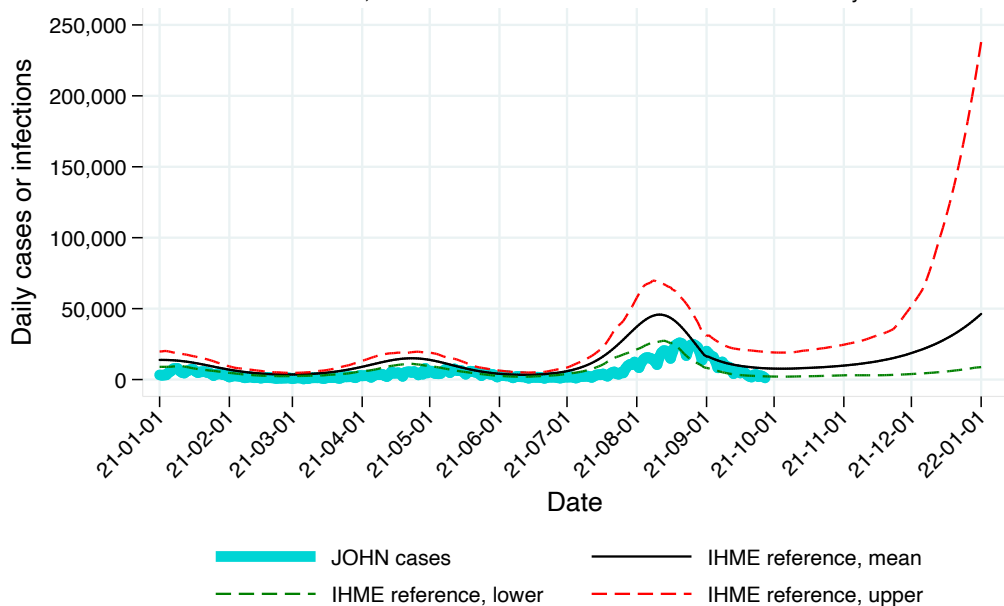
COVID-19 daily cases or infections, Japan

2021 on, reference scenarios with uncertainty

Daily cases or infections

250,000
200,000
150,000
100,000
50,000
0

21-01-01, 21-02-01, 21-03-01, 21-04-01, 21-05-01, 21-06-01, 21-07-01, 21-08-01, 21-09-01, 21-10-01, 21-11-01, 21-12-01, 22-01-01

Date

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

COVID-19 daily cases JOHN, and infections IHME, Japan

2021 on, IHME infections reference scenario with uncertainty

JOHN cases

IHME reference, mean

IHME reference, lower

IHME reference, upper

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

COVID-19 daily JOHN, and infections IHME, Japan

2021 on, IHME infections 3 scenarios
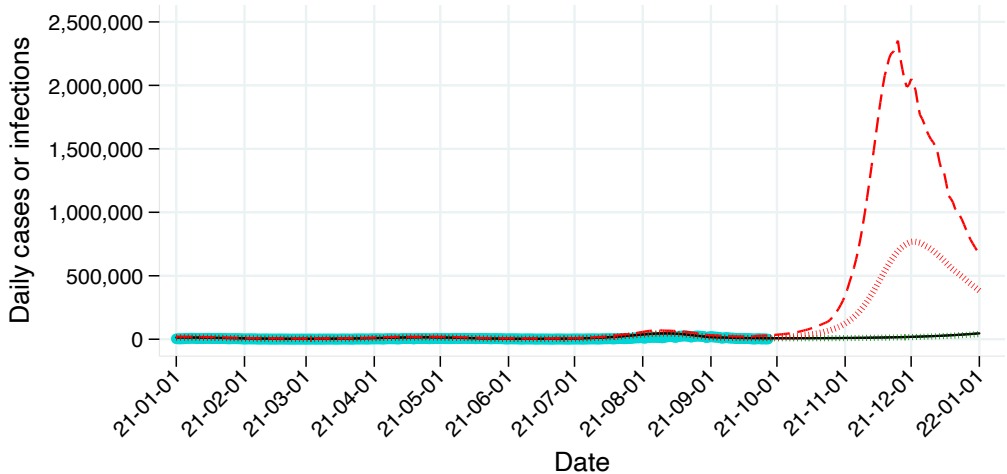
- Better and worse scenarios: tight dot (lllll) curves; Uncertainty limits: dashed (– – –) curves.

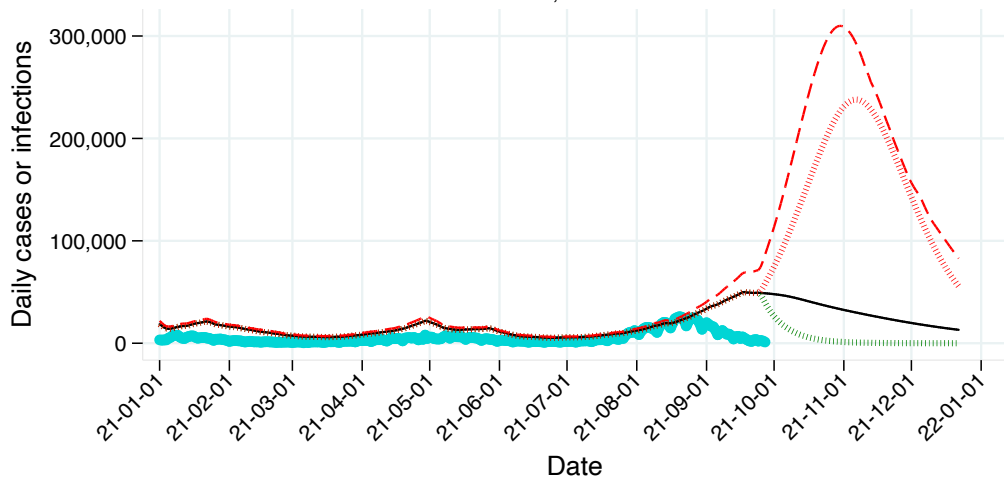COVID-19 daily cases JOHN, and infections IMPE, Japan

2021 on, IMPE infections reference scenario with uncertainty
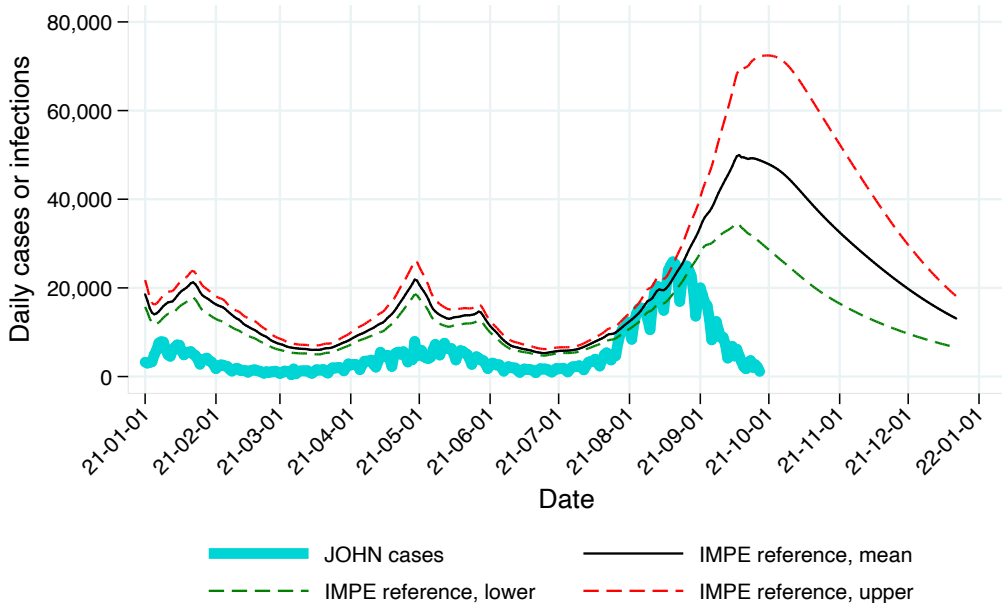
Legend:
- JOHN cases
- IMPE reference, mean
- IMPE reference, lower
- IMPE reference, upper

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

COVID-19 daily JOHN, and infections IMPE, Japan

2021 on, 3 scenarios

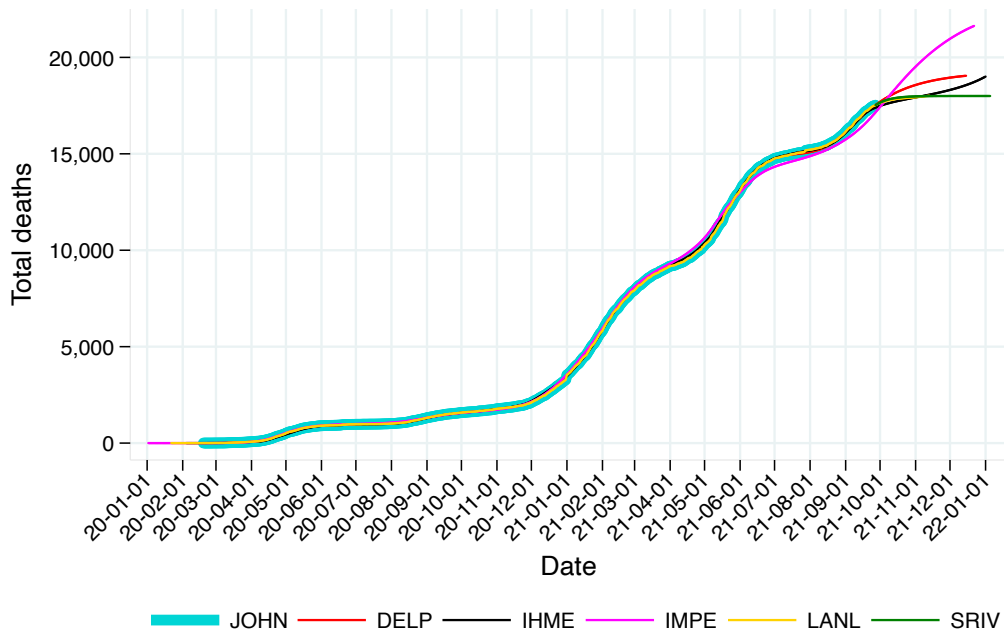- Better and worse scenarios: tight dot (lllll) curves; Uncertainty limits: dashed (– – –) curves.
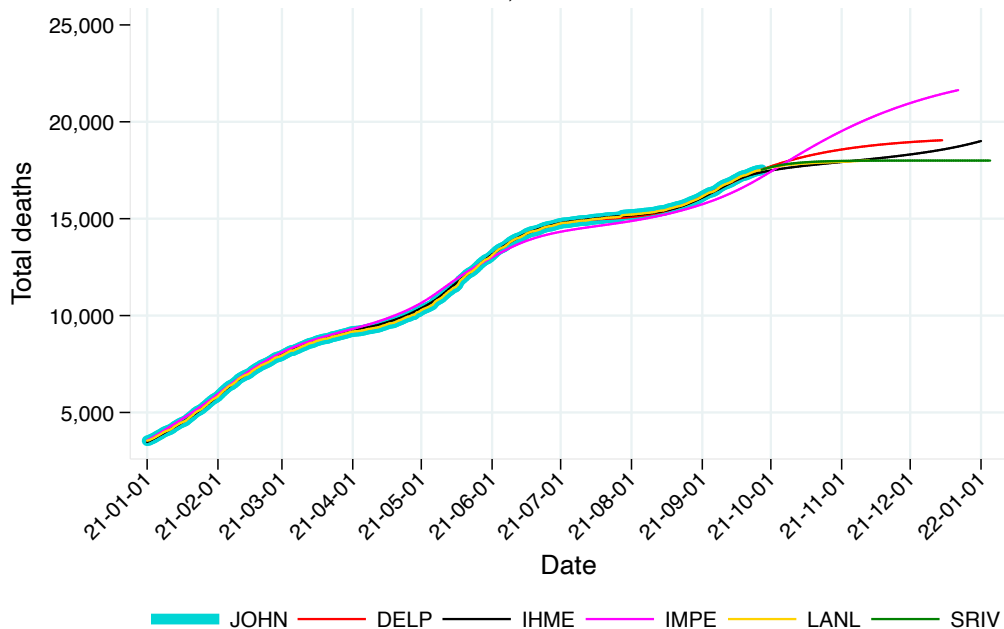
COVID-19 total deaths, Japan

reference scenarios

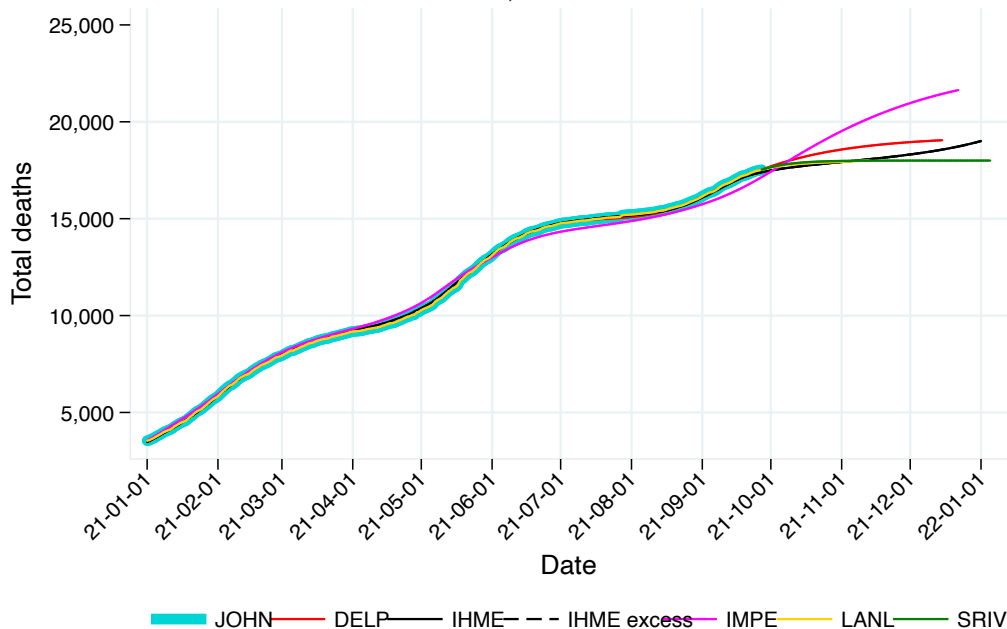COVID-19 total deaths, Japan
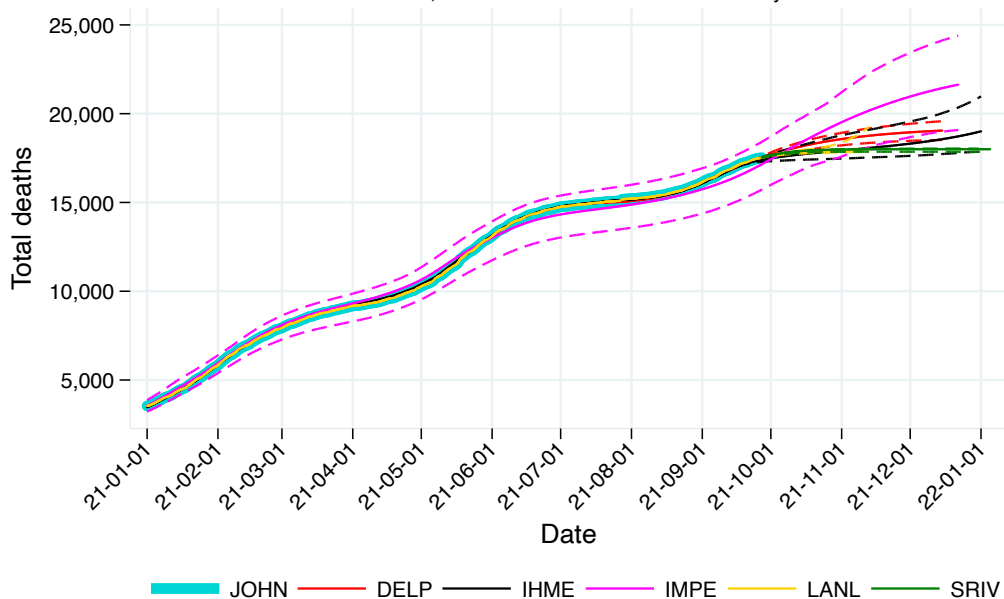
reference scenarios

JOHN DELP IHME IHME excess IMPE LANL SRIV

COVID-19 total deaths, Japan

2021 on, reference scenarios

COVID-19 total deaths, Japan

2021 on, reference scenarios

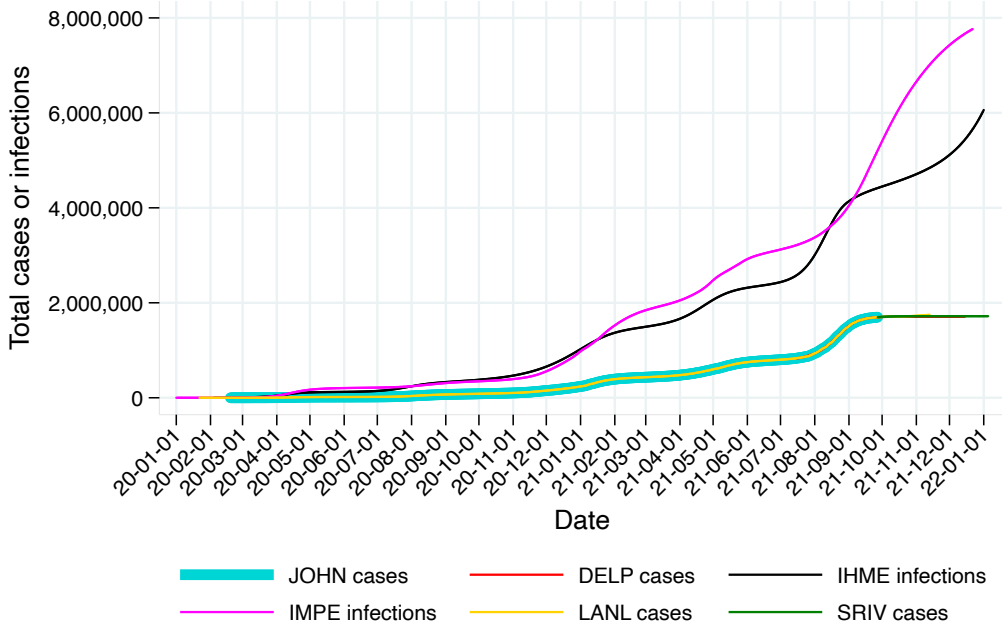Legend: JOHN, DELP, IHME, IHME excess, IMPE, LANL, SRIV

COVID-19 total deaths, Japan

2021 on, reference scenarios with uncertainty

Total deaths

25,000
20,000
15,000
10,000
5,000

Date

21-01-01 21-02-01 21-03-01 21-04-01 21-05-01 21-06-01 21-07-01 21-08-01 21-09-01 21-10-01 21-11-01 21-12-01 22-01-01

JOHN — DELP — IHME — IMPE — LANL — SRIV

Uncertainty limits: dashed curves

COVID-19 total cases or infections, Japan

reference scenarios

Legend:
- JOHN cases
- DELP cases
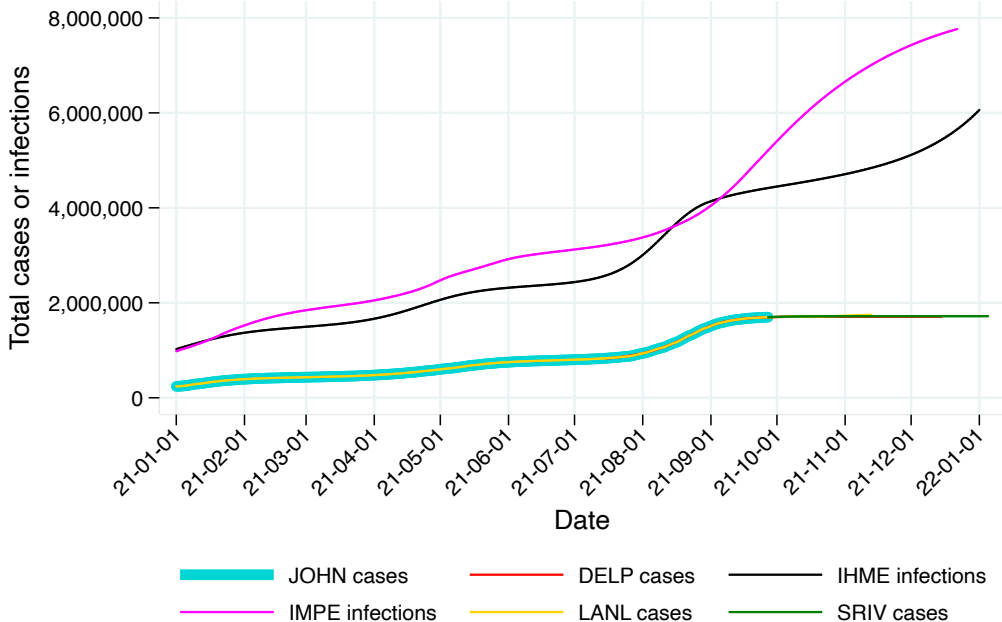- IHME infections
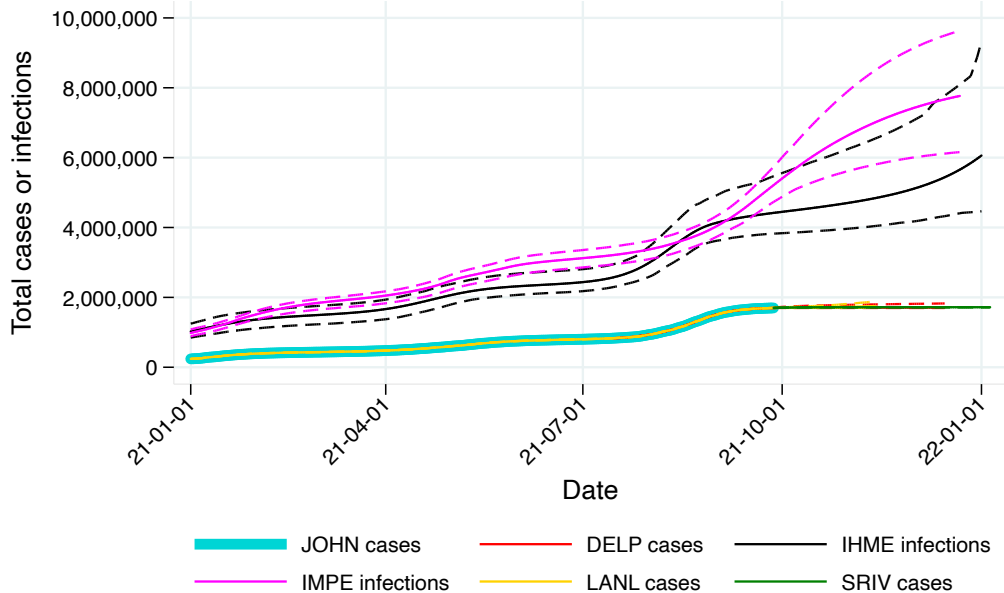- IMPE infections
- LANL cases
- SRIV cases

COVID-19 total cases or infections, Japan

2021 on, reference scenarios

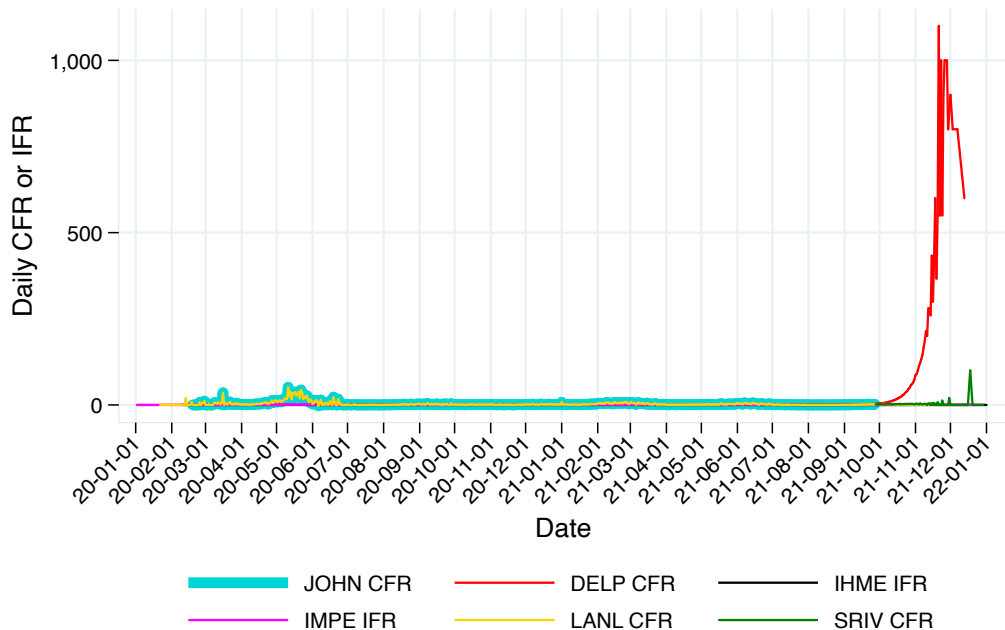COVID-19 total cases or infections, Japan
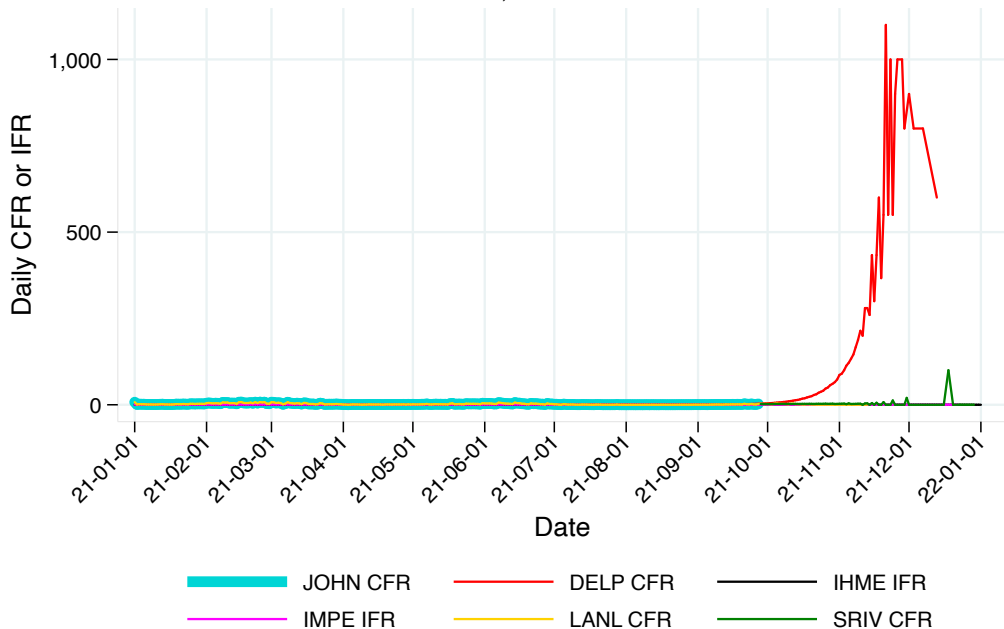
2021 on, reference scenarios with uncertainty

Total cases or infections vs Date

Legend:
- JOHN cases
- DELP cases
- IHME infections
- IMPE infections
- LANL cases
- SRIV cases

- Uncertainty limits: dashed curves.

COVID-19 daily CFR or IFR, Japan

COVID-19 daily CFR or IFR, Japan

2021 on, reference scenarios

Daily CFR or IFR

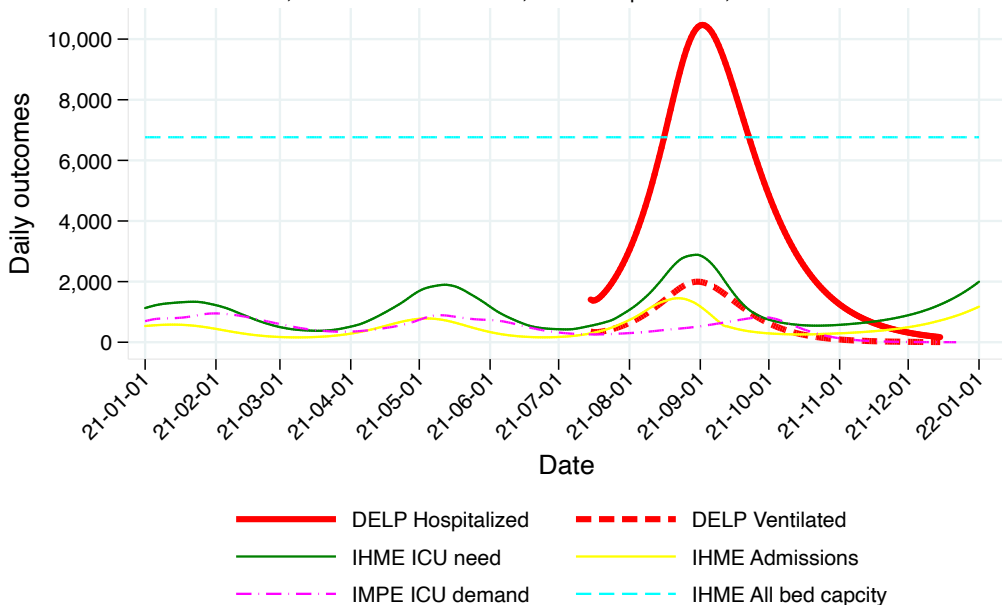| JOHN CFR | DELP CFR | IHME IFR |
| IMPE IFR | LANL CFR | SRIV CFR |
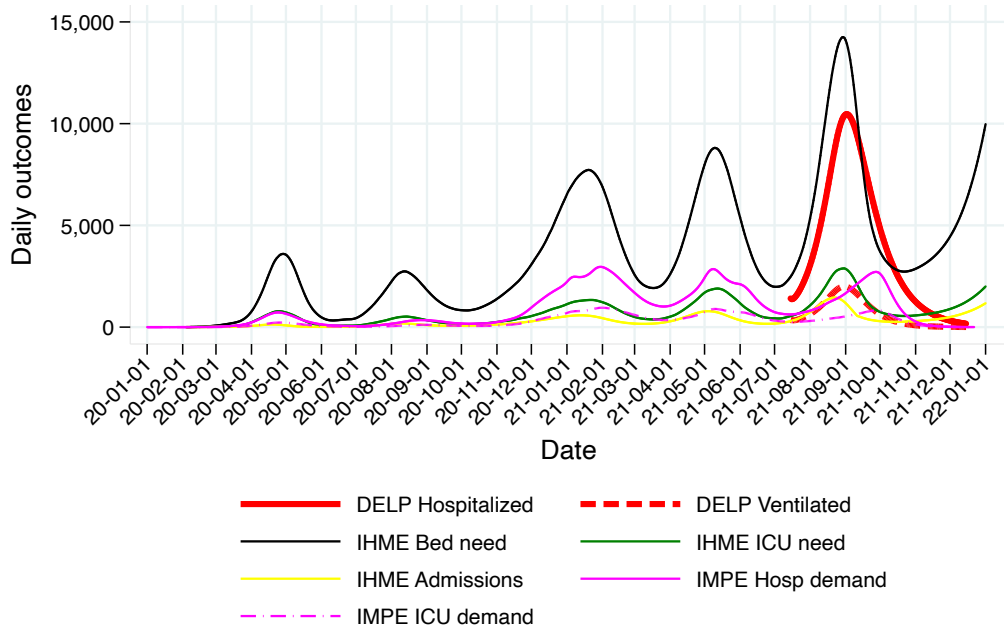
COVID-19 daily hospital-related outcomes Japan

COVID-19 daily hospital-related outcomes Japan

Legend:
- DELP Hospitalized
- DELP Ventilated
- IHME Bed need
- IHME ICU need
- IHME Admissions
- IMPE Hosp demand
- IMPE ICU demand
- IHME All bed capcity
- IHME ICU bed capacity
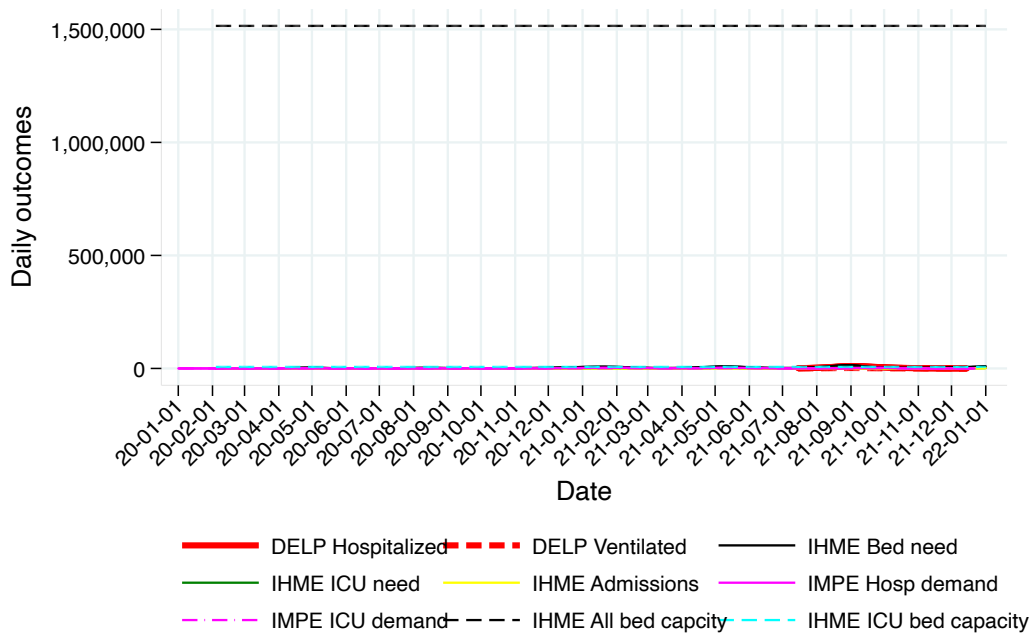
COVID-19 daily hospital-related outcomes Japan

2021 on, without IHME Bed need, IMPE Hosp demand, reference scenarios

Daily outcomes vs Date

Legend:
- DELP Hospitalized
- DELP Ventilated
- IHME ICU need
- IHME Admissions
- IMPE ICU demand
- IHME All bed capcity

- Uncertainty limits: dashed curves.

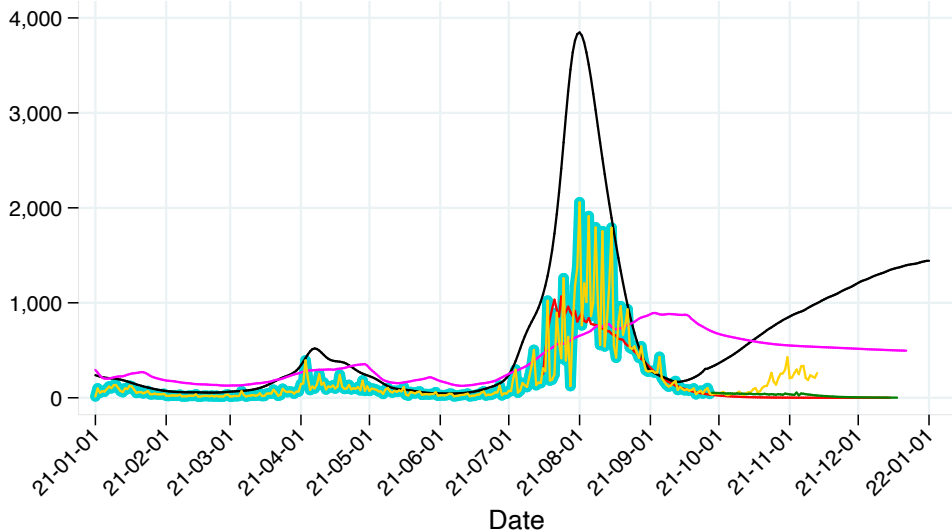COVID-19 daily cases or infections, to deaths, Japan

reference scenarios
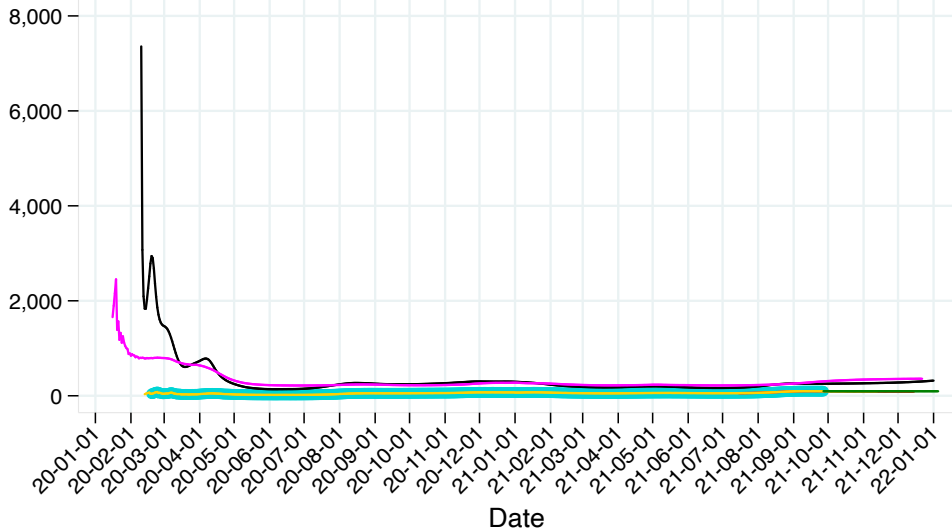
COVID-19 daily cases or infections, to deaths, Japan

2021 on, reference scenarios

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

reference scenarios

Total cases or infections to deaths (y-axis)

Date (x-axis)

Legend:
- JOHN cases
- DELP cases
- IHME infections
- IMPE infections
- LANL cases
- SRIV cases

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

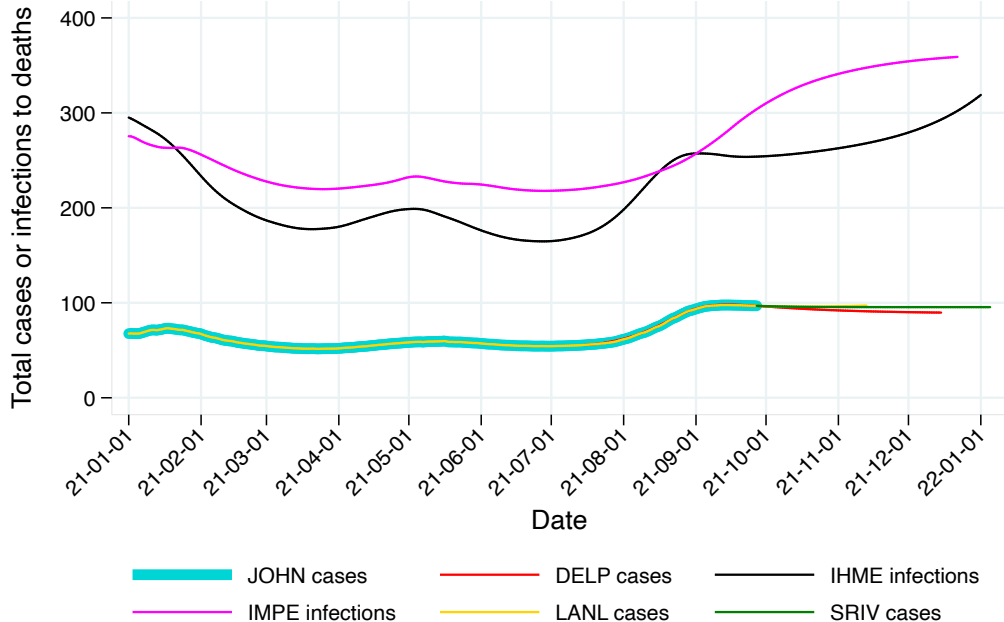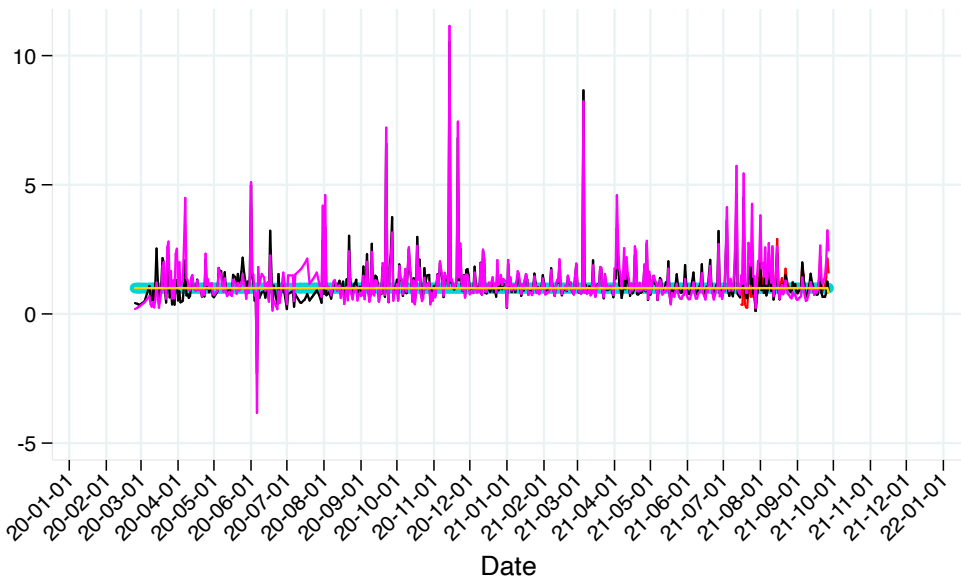2021 on, reference scenarios

Total cases or infections to deaths (y-axis)

Date (x-axis)

Legend:
- JOHN cases
- IMPE infections
- DELP cases
- LANL cases
- IHME infections
- SRIV cases

COVID-19 daily deaths, estimated to reported, Japan

reference scenarios

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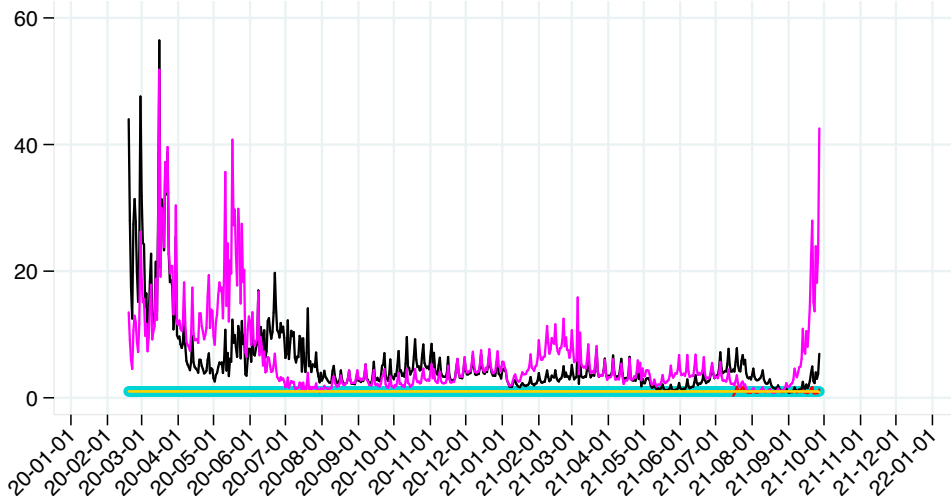
reference scenarios

JOHN DELP IHME IMPE LANL SRIV

COVID-19 daily cases estimated to reported, Japan

daily cases or infections estimated, to reported cases; reference scenarios

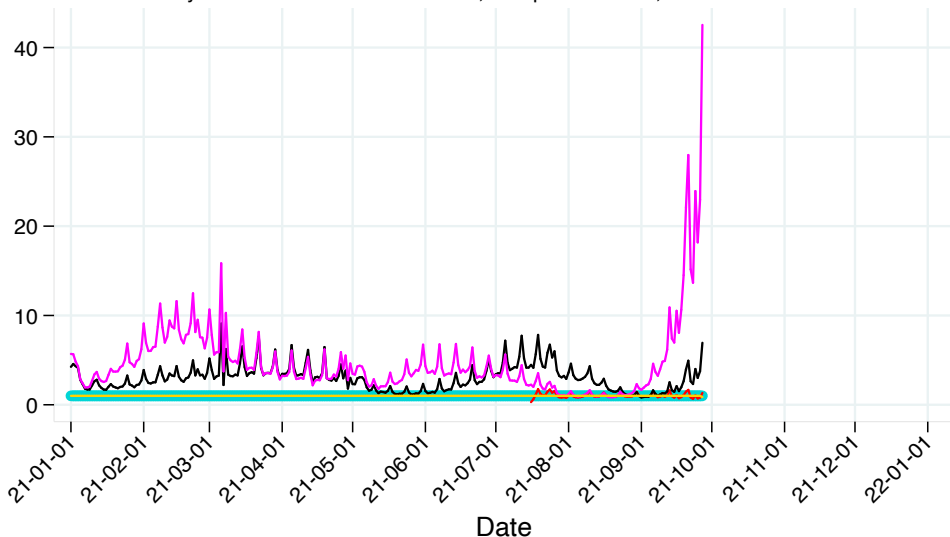Daily cases or infections estimated to reported

Date

JOHN cases   DELP cases   IHME infections

IMPE infections   LANL cases   SRIV cases

COVID-19 daily cases estimated to reported, Japan

daily cases or infections estimated, to reported cases; reference scenarios

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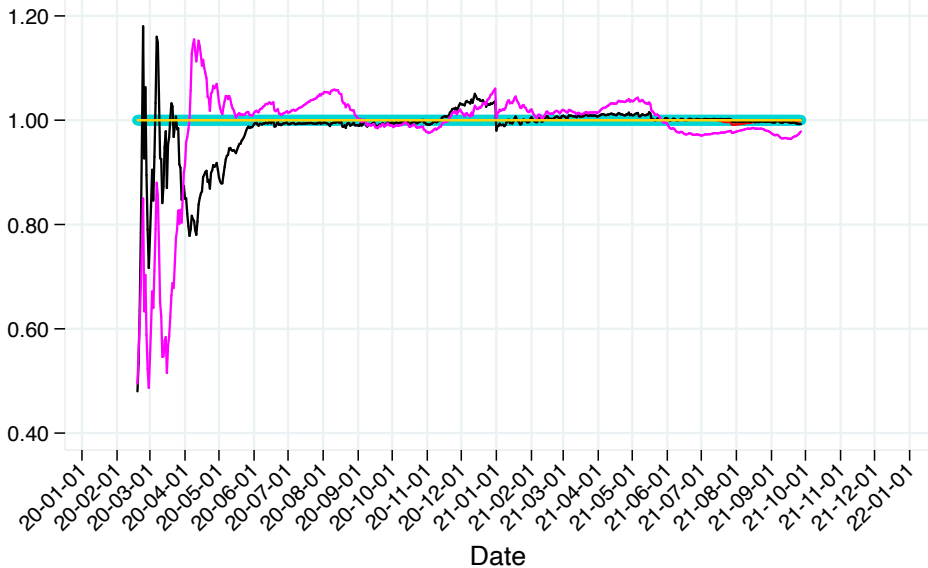IMPE infections
DELP cases
LANL cases
IHME infections
SRIV cases

COVID-19 total deaths, estimated to reported, Japan

reference scenarios

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

JOHN   DELP   IHME   IMPE   LANL   SRIV

COVID-19 total cases estimated to reported, Japan
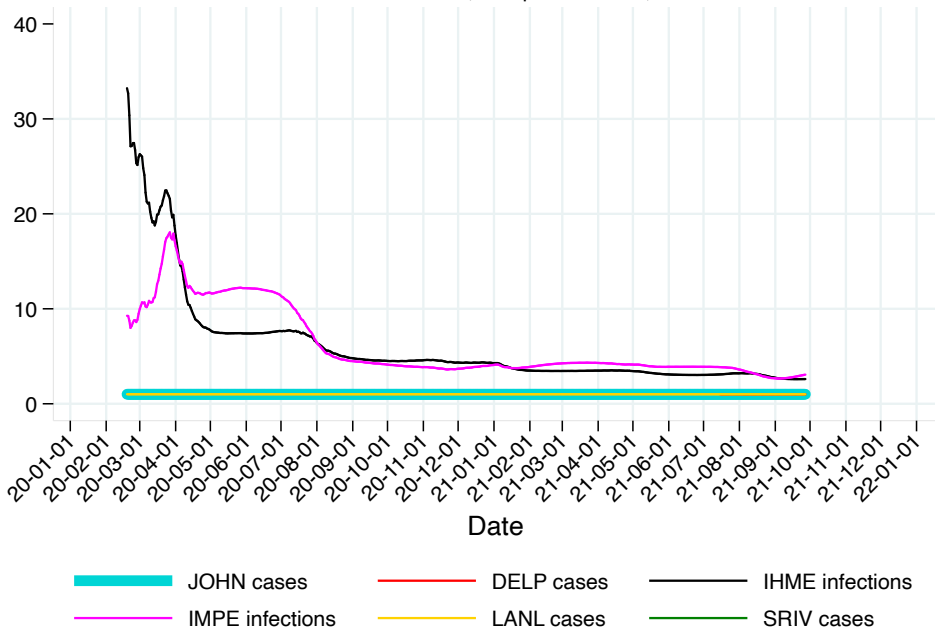total cases or infections estimated, to reported cases; reference scenarios

COVID-19 total cases estimated to reported, Japan

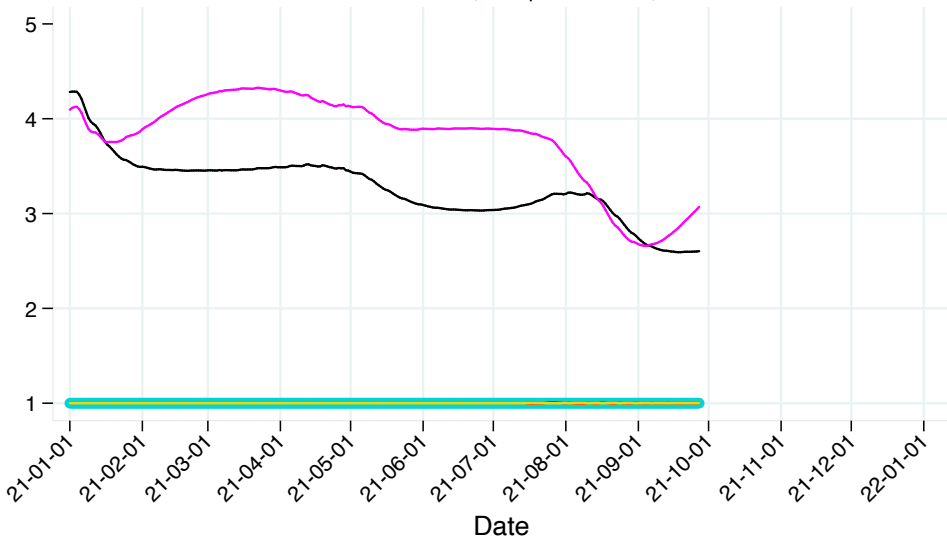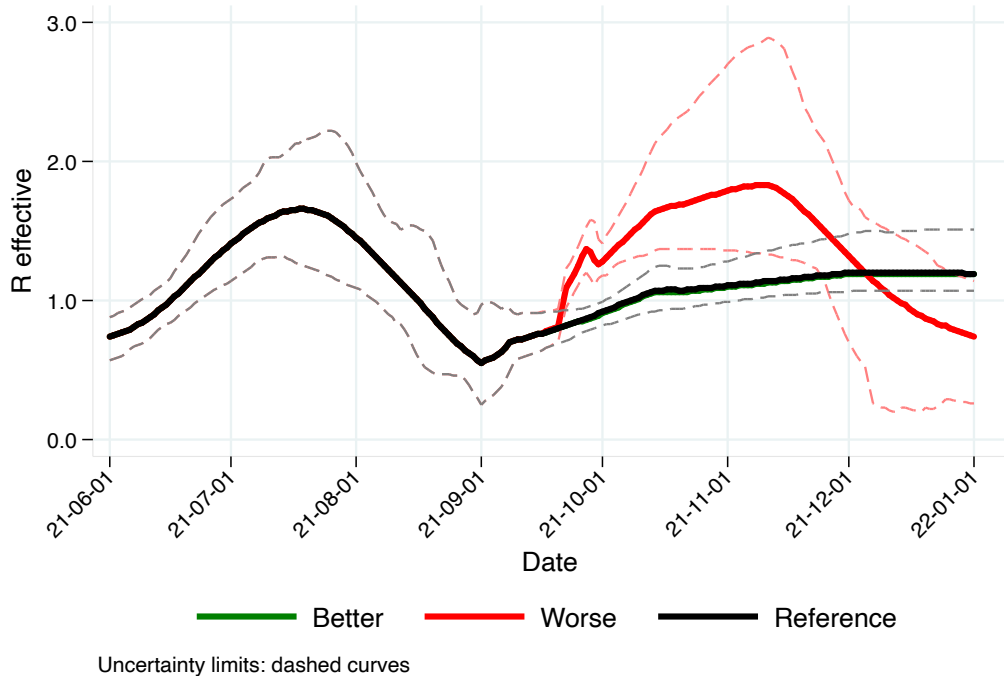total cases or infections estimated, to reported cases; reference scenarios

Legend:
- JOHN cases
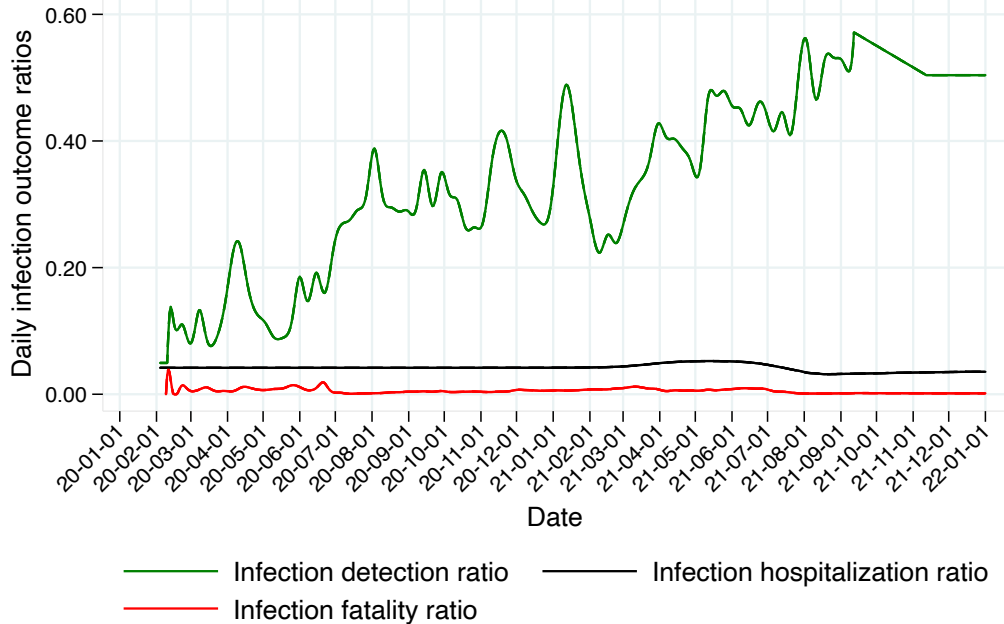- DELP cases
- IHME infections
- IMPE infections
- LANL cases
- SRIV cases

X-axis: Date
Y-axis: Total cases or infections estimated to reported

COVID-19 R effective, Japan, IHME, 3 scenarios

Better — Worse — Reference

Uncertainty limits: dashed curves

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

Infection detection ratio — Infection hospitalization ratio
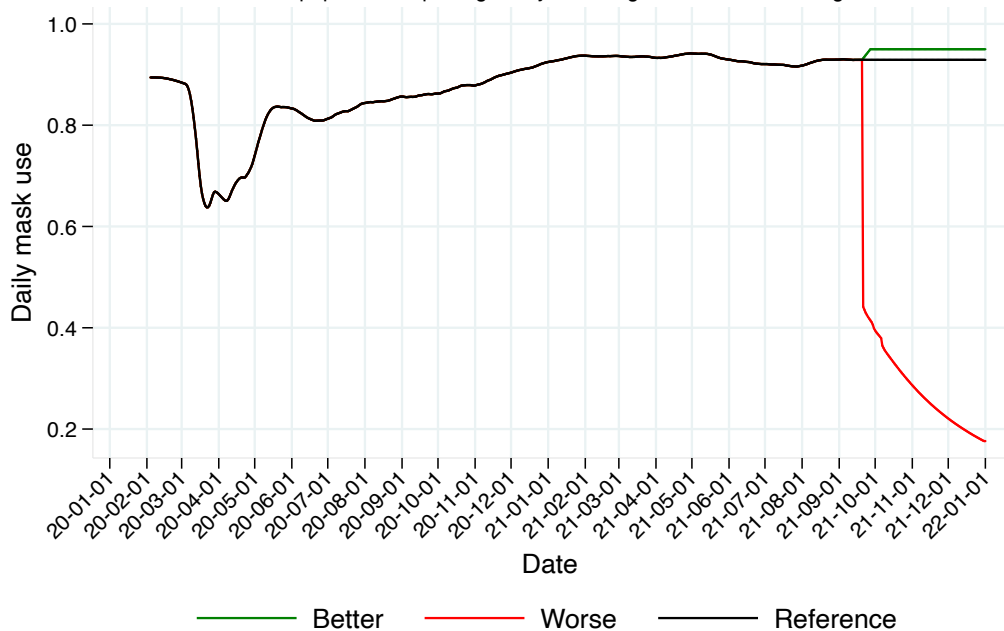
Infection fatality ratio

Better and worse scenarios: dashed curves

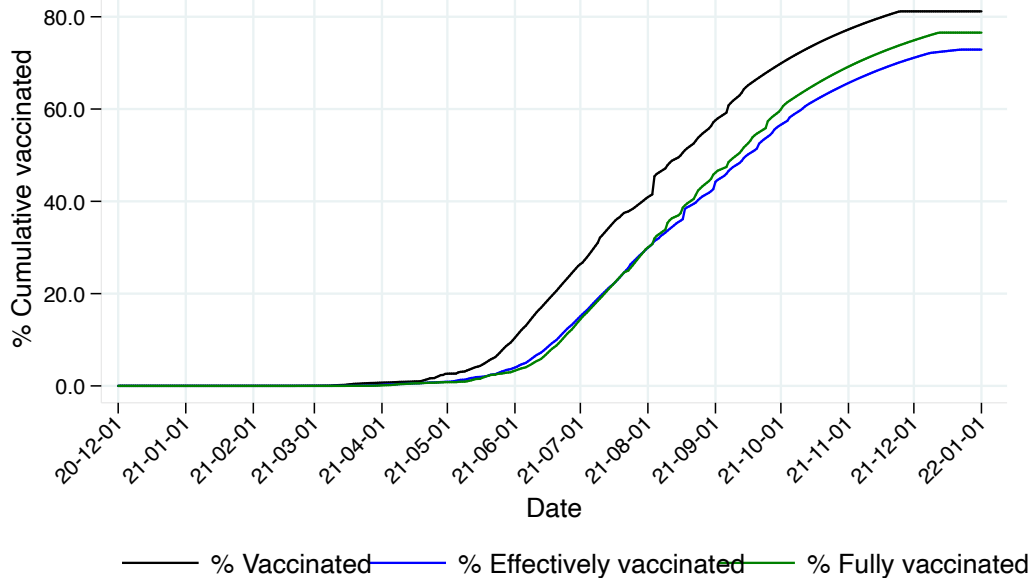COVID-19 daily % change in mobility, Japan, IHME, 3 scenarios

COVID-19 daily mask use, Japan, IHME, 3 scenarios

Percent of population reporting always wearing a mask when leaving home

COVID-19 percent cumulative vaccinated, Japan, 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