COVID-19 Scenario Modeling Hub Report

19 May, 2021
Scenario Modeling Hub Team[1]

Executive Summary

This report presents the results of the fifth round of projections from the COVID-19 Scenario Modeling Hub. A consortium of nine[2] modeling groups convened to generate week ahead projections of COVID-19 cases, deaths, and hospitalizations for a period of six months (weeks ending 2021-05-08 to 2021-10-30), given four scenarios. A full list of contributors is included at the end of the report. See the table on the next page for an overview of the scenarios included in this round. Detailed scenario descriptions and setting assumptions are provided here.

Key Takeaways From Fifth Round

- At the national level, in the high vaccination and moderate NPI scenario we see weekly cases dropping to below 10,000 by October.
- In the high vaccination and low NPI scenario and the low vaccination and moderate NPI scenario we see 6 to 7 times this number. Additionally, in both these scenarios we see a leveling off in the number of cases towards the end of the projection period.
- In the low vaccination and low NPI scenario we see more uncertainty with weekly cases reaching 200,000+ at the end of the projection period.
- Deaths are projected to decrease, down to 25-400 per week by the end of the projection period, except for the low vaccination and low NPI scenario where there could still be 900-4,000 deaths in each week (50% projection interval).
- Current trends seem to be pointing to the low NPI scenarios, however there is still the possibility of action on the vaccination axis. NPIs may need to be strengthened in the fall in the event of a case resurgence.
- Particularly important contributors to uncertainty are seasonality, estimates of current control impacts, and immune escape variants.
- State-specific projections show additional variability.

Note: This report is developed for specific stakeholders and should not be shared externally.

[1] Compiled by Justin Lessler, Rebecca Borchering, Emily Howerton, and Claire Smith.

[2] One team provided a partial set of projections. Individual projections from this team are displayed in the report but are not included in the ensemble. The complete set of projections will be provided on the website when available.

Scenario Differences

See more detailed notes for each scenario below	**Moderate NPI** *(moderate NPI reduction)*	**Low NPI** *(high NPI reduction)*
High Vaccination *(Low hesitancy)*	***Scenario A*** Vaccination: - Coverage saturates at **83% nationally** among the vaccine-eligible population* by October 31, 2021** NPIs: - **50% reduction** from April 2021 to October 2021	***Scenario B*** Vaccination: - Coverage saturates at **83% nationally** among the vaccine-eligible population* by October 31, 2021** NPIs: - **80% reduction** from April 2021 to October 2021
Low Vaccination *(High hesitancy)*	***Scenario C*** Vaccination: - Coverage saturates at **68% nationally** among the vaccine-eligible population* by October 31, 2021** NPIs: - **50% reduction** from April 2021 to October 2021	***Scenario D*** Vaccination: - Coverage saturates at **68% nationally** among the vaccine-eligible population* by October 31, 2021** NPIs: - **80% reduction** from April 2021 to October 2021

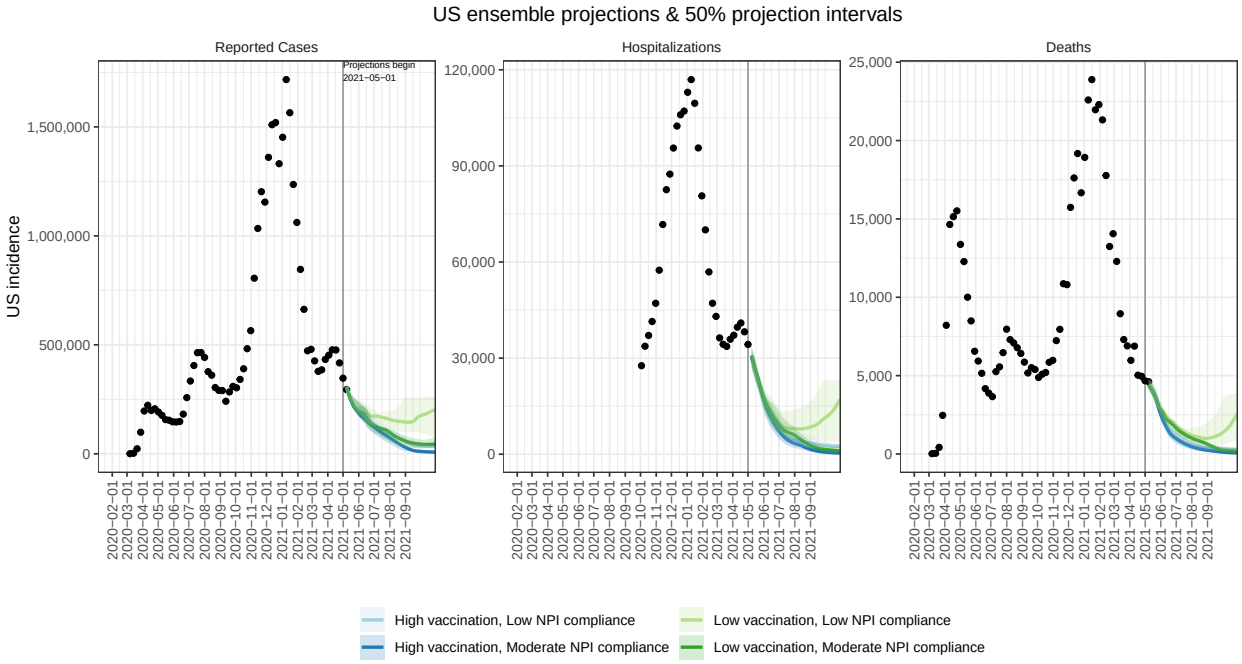
* **Vaccine-eligible population.** The eligible population for vaccination is presumed to be individuals aged 16 years or older until June 1, 2021. On June 1, the eligible population is presumed to extend to individuals aged 12 years and older.

* **Vaccine hesitancy** is expected to cause vaccination coverage to slow and eventually saturate at some level below 100%. The saturation levels provided in these scenarios are National reference points to guide defining hesitancy, though the speed of that saturation and heterogeneity between states (or other geospatial scales) and/or age groups are at the discretion of the modeling team. The high vaccination 83% saturation is defined using the current estimates from the Delphi group (link) from March 13, 2021 data. The low saturation estimate of 68% is the lowest county-level estimate from the U.S. Census Bureau's Pulse Survey from March 15, 2021 data (link). Both of these saturation levels are assumed to be among the population eligible for vaccination, not the full population.

Figure 1: Round 5 Scenario Specifications

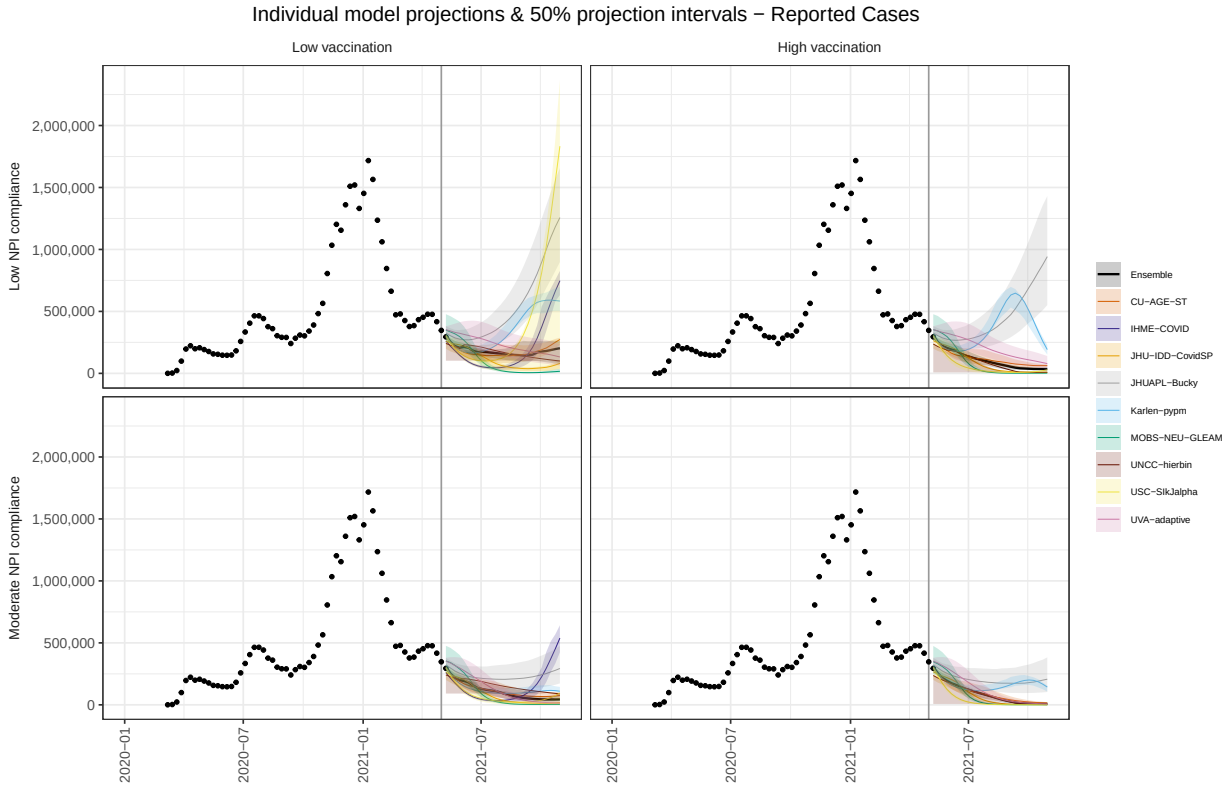
National ensemble projections

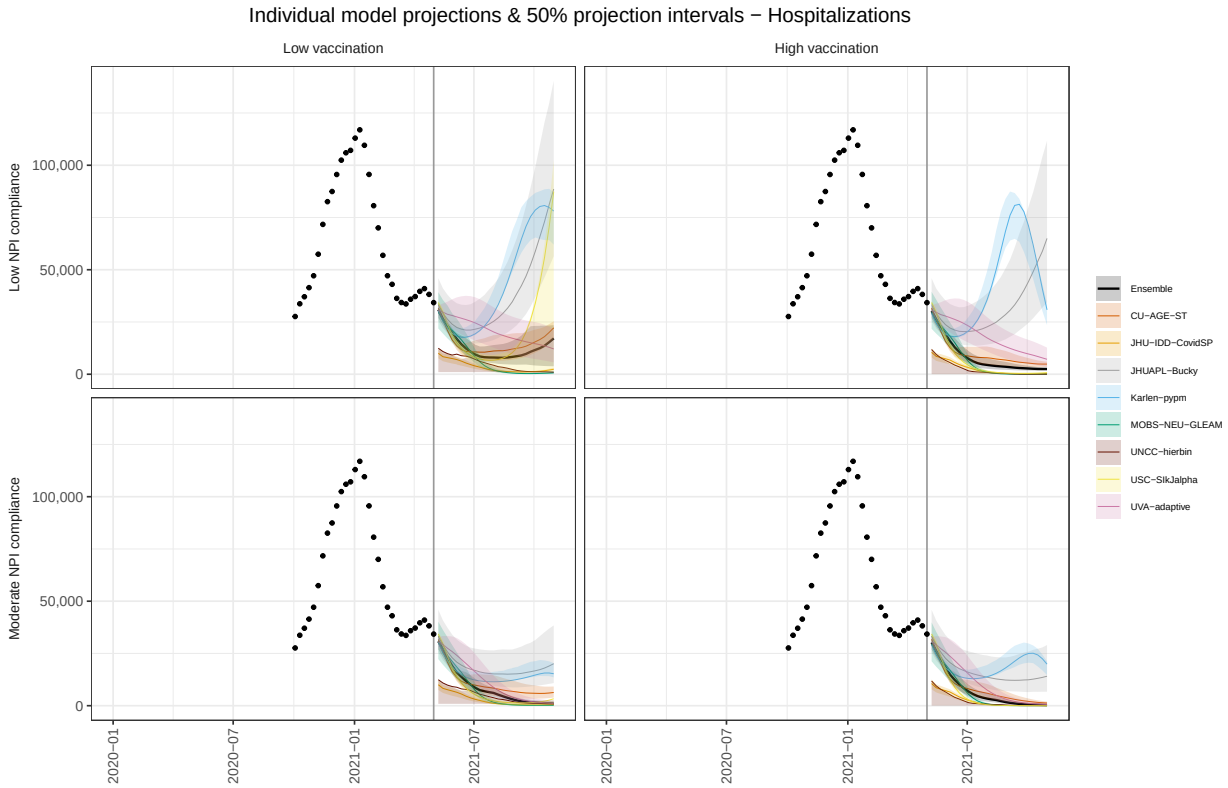
Ensemble projections for national cases, hospitalizations and deaths separated by scenario.

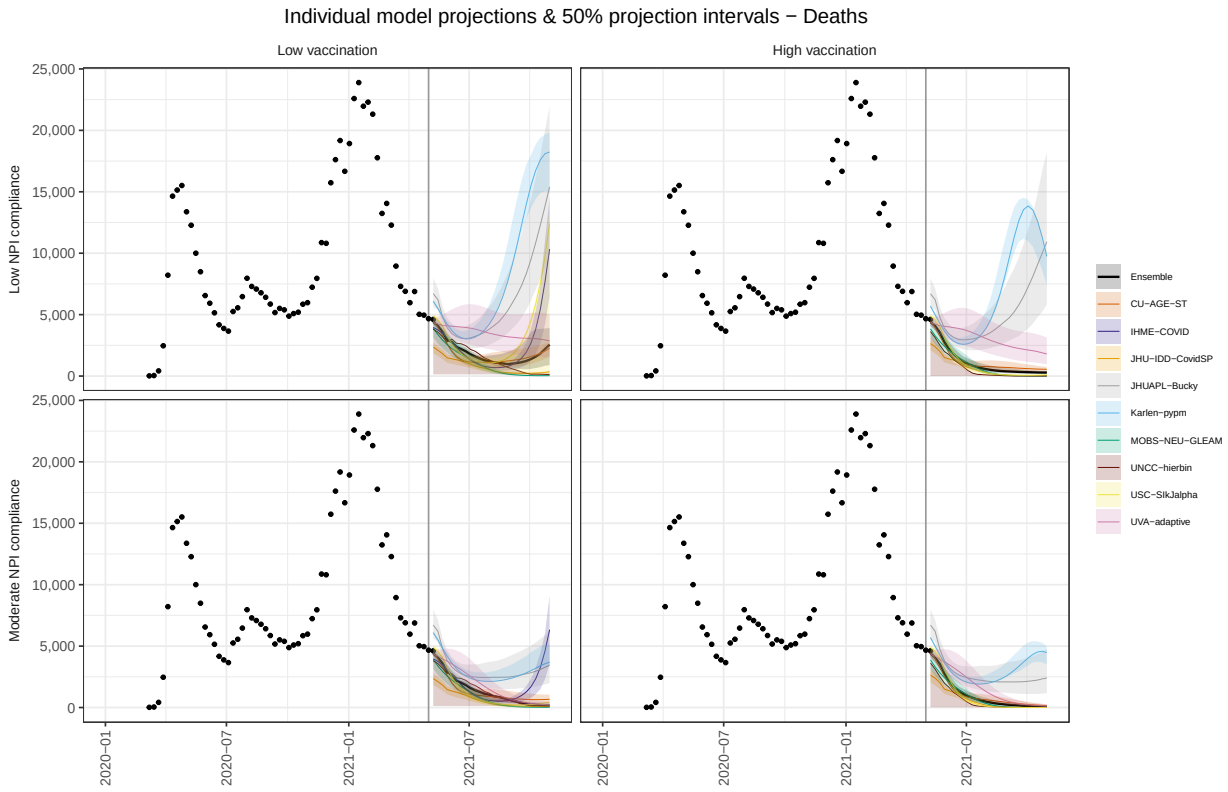


National individual model projections

Individual model projections and ensemble by scenario for national cases, hospitalizations, and deaths.

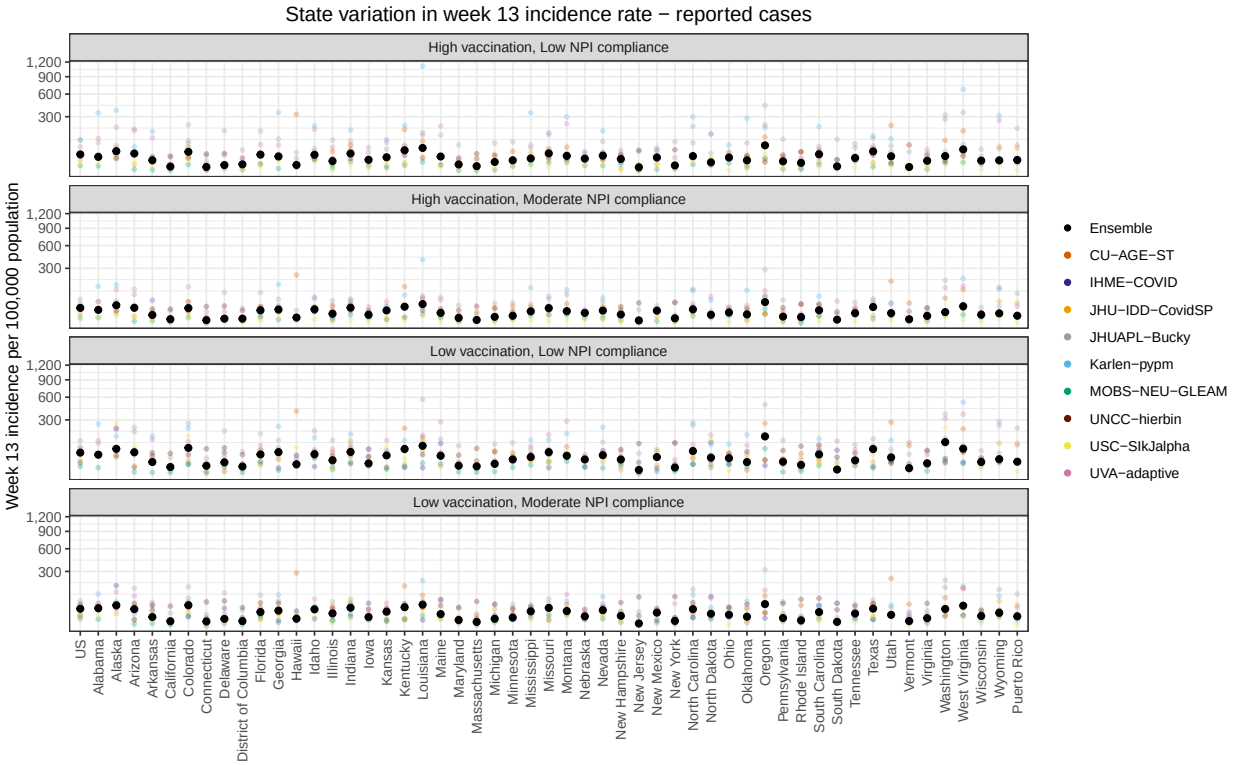




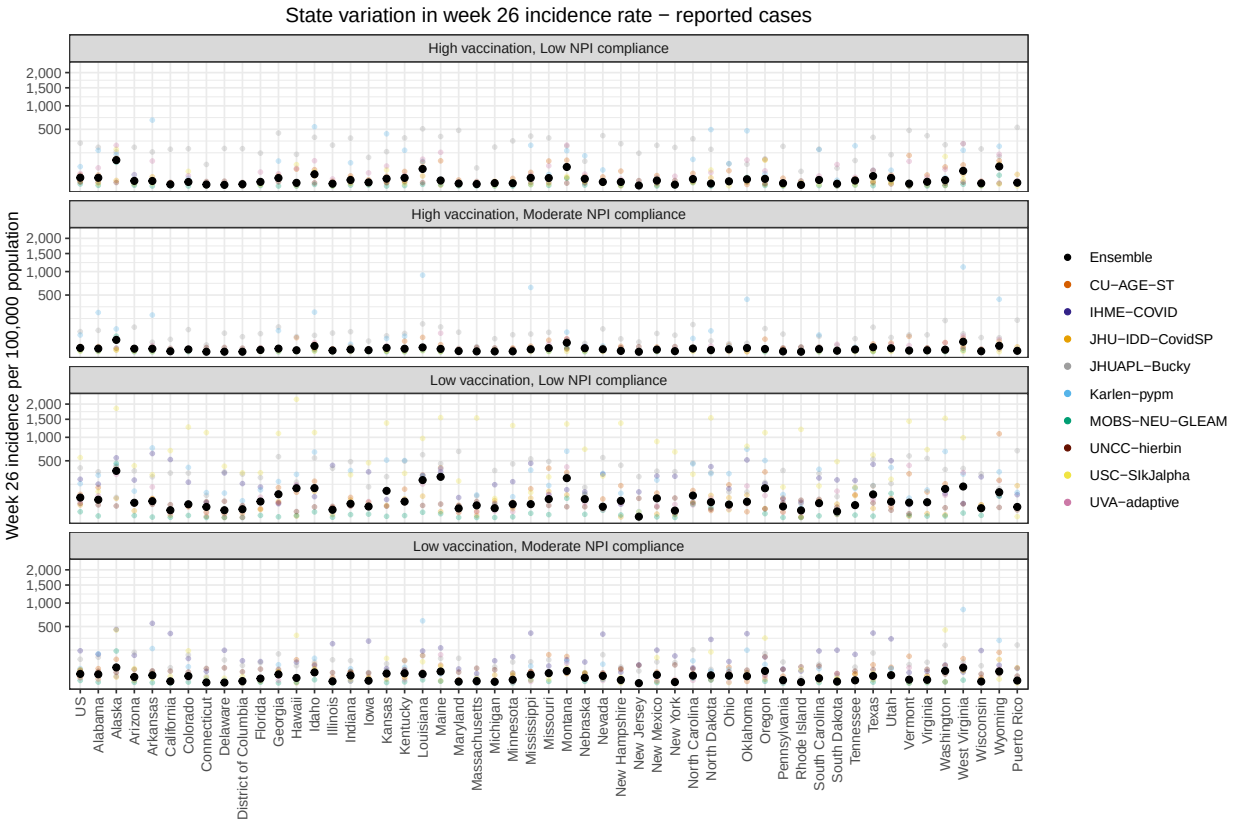

Individual model projections & 50% projection intervals − Deaths
Low vaccination
High vaccination
Low NPI compliance
Moderate NPI compliance
25,000
20,000
15,000
10,000
5,000
0
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

State-level deviation from national

Individual model and ensembles projections for state-level case incidence per 100,000 population at week 13.

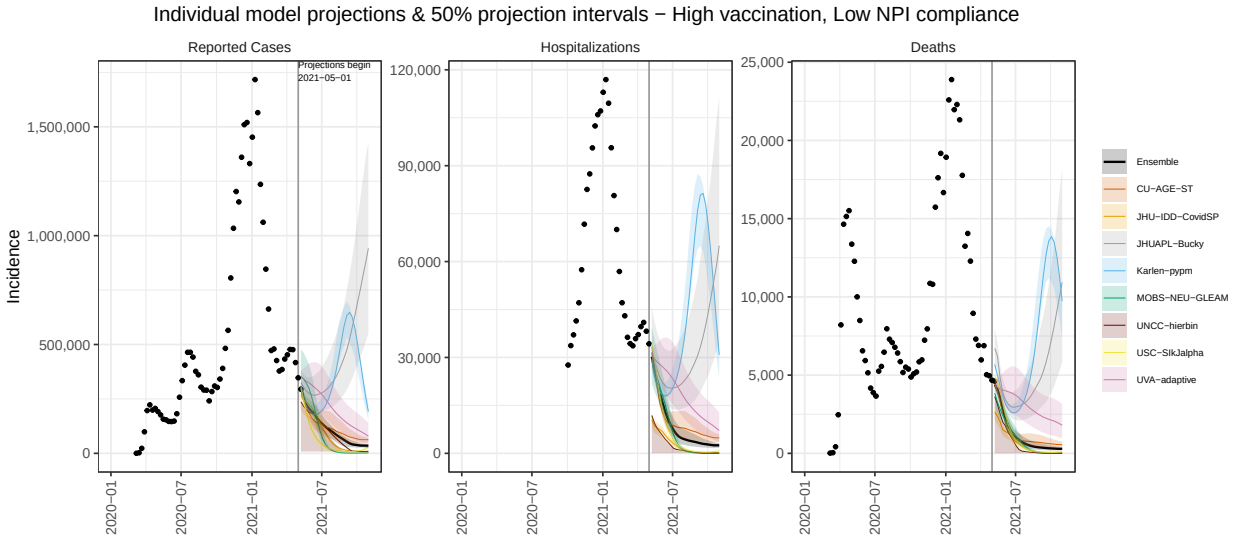


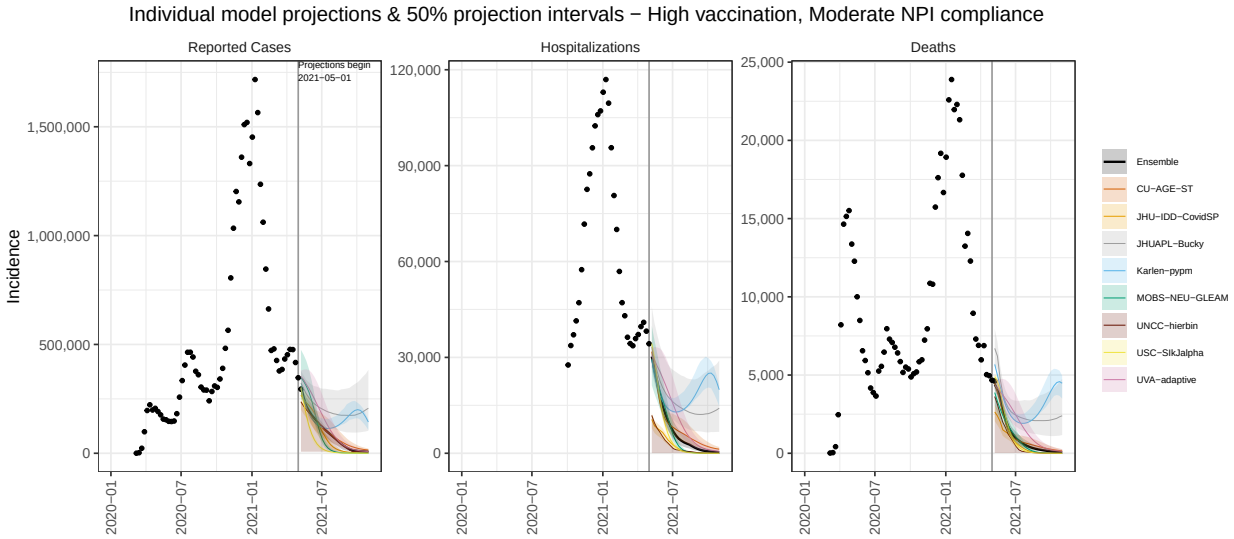
Individual model and ensembles projections for state-level incidence per 100,000 population at week 26.

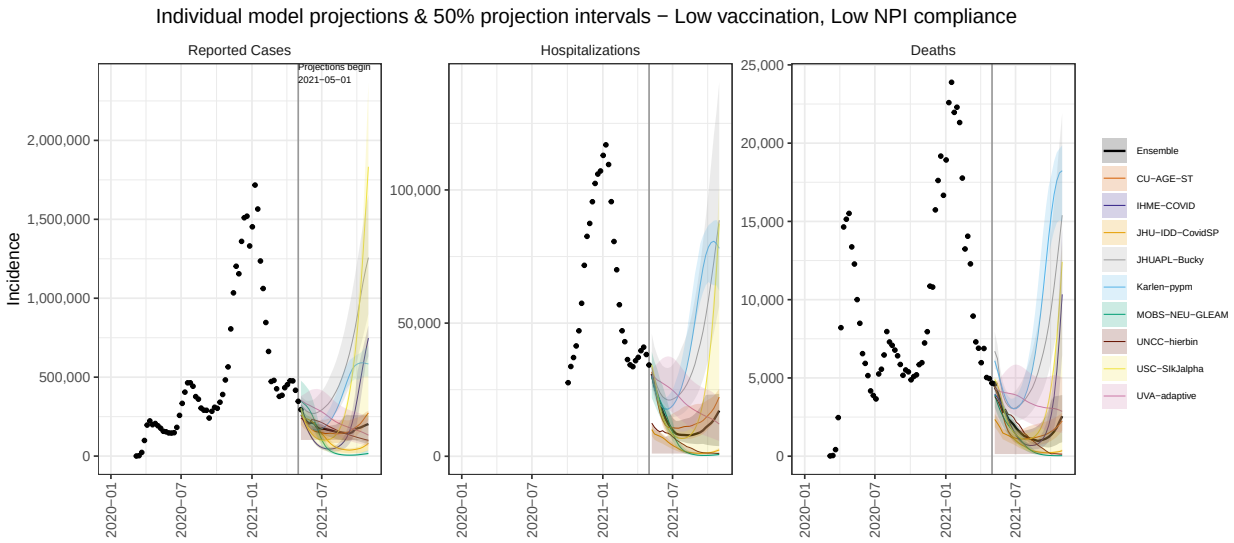


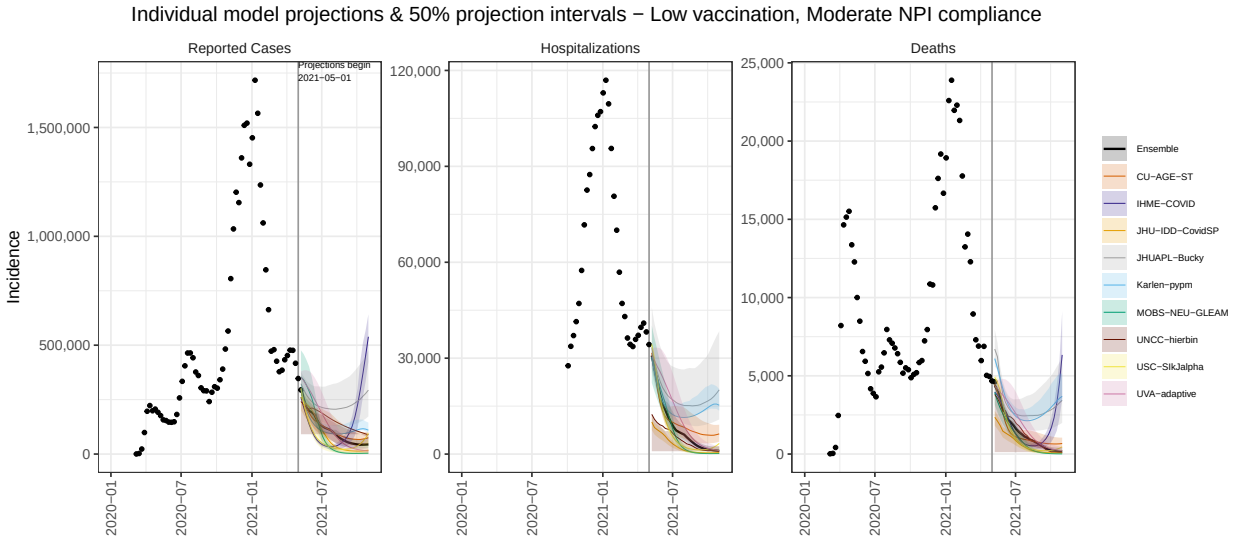
National model variation

Individual model projections for national incident cases, hospitalizations and deaths.

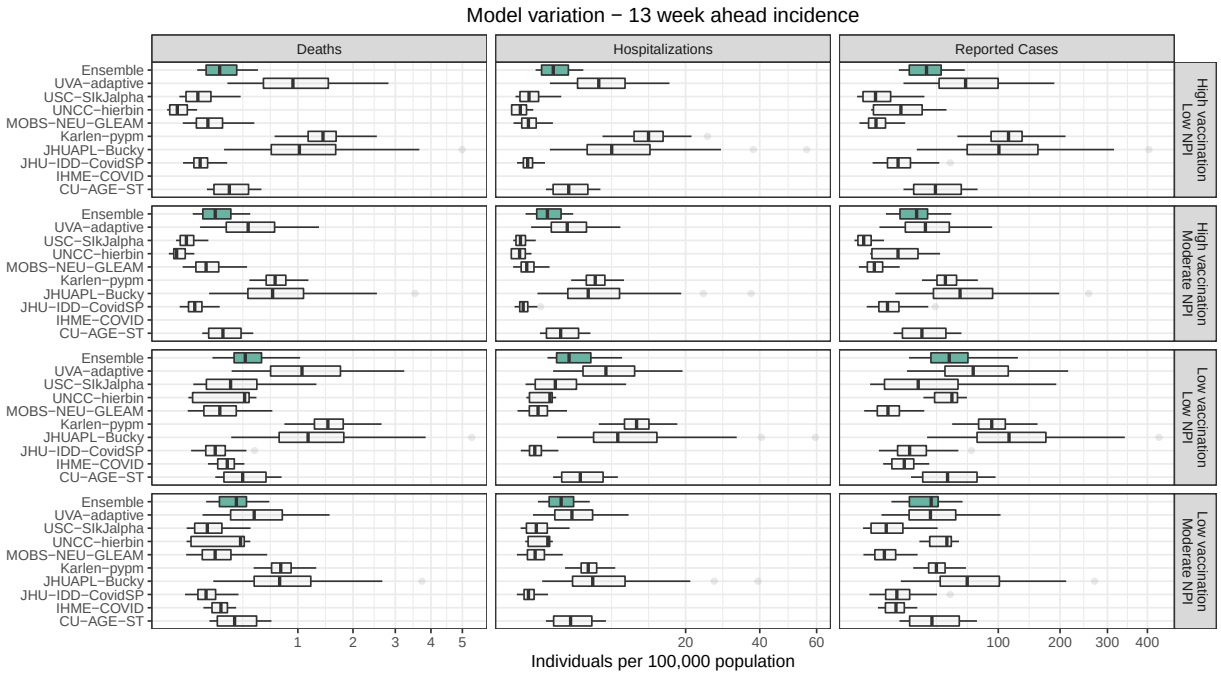


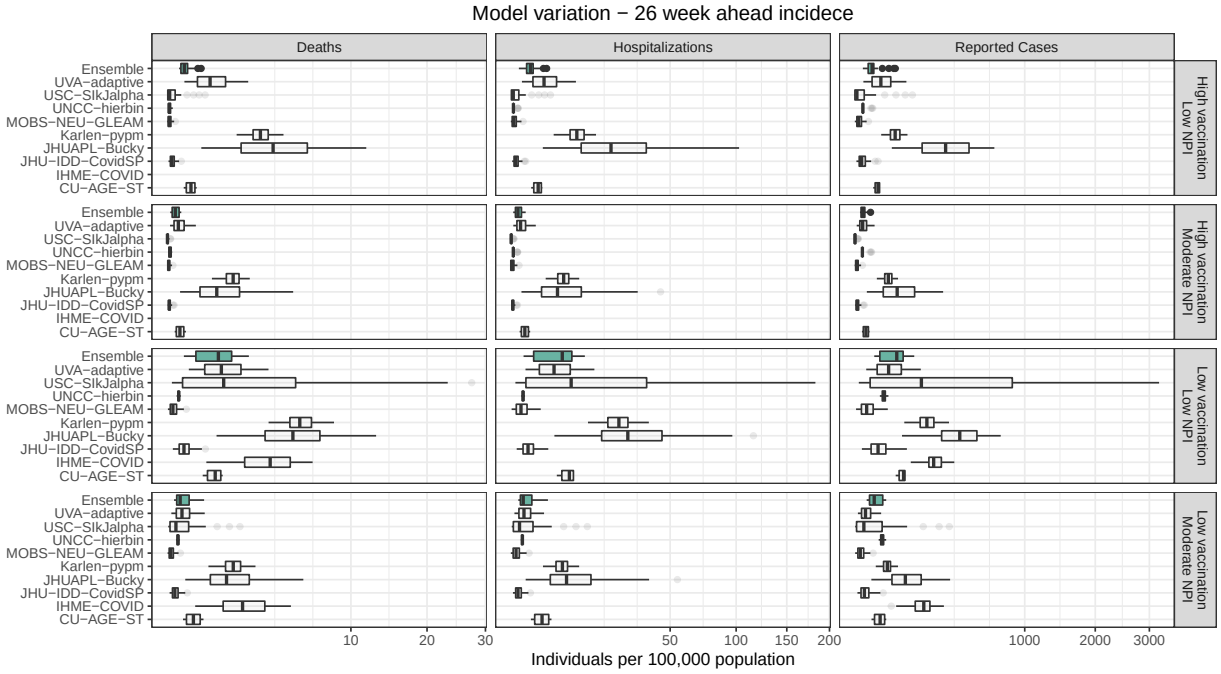


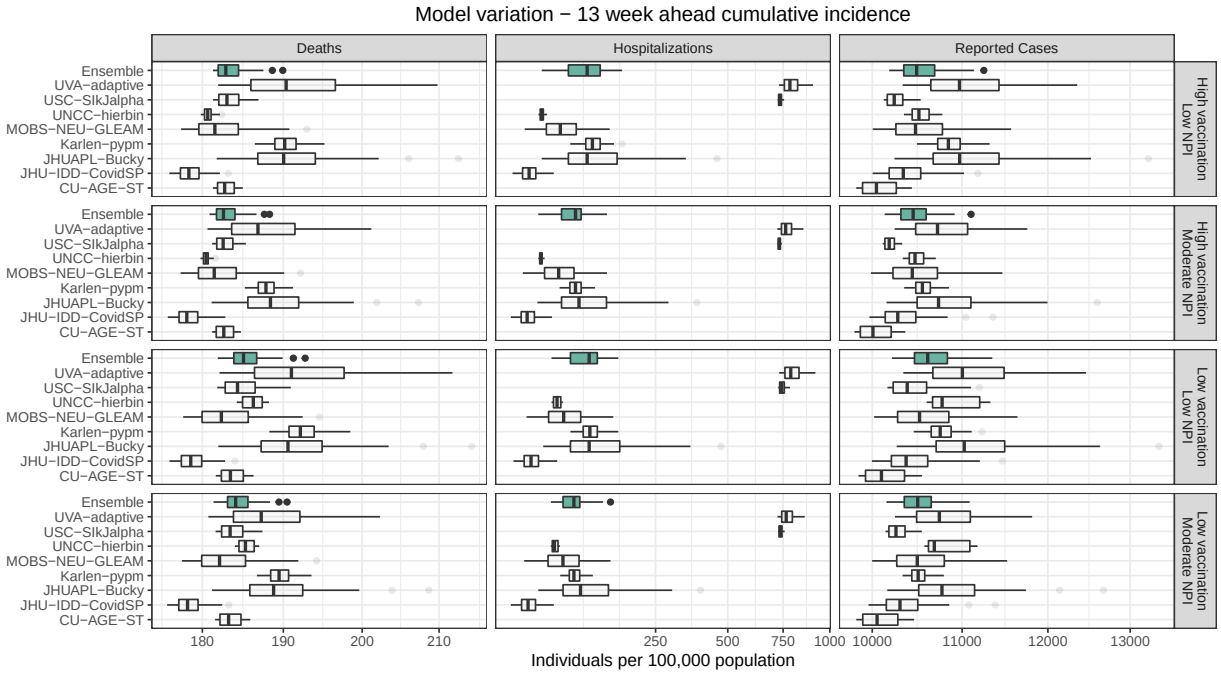

Individual model projections & 50% projection intervals − Low vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
2,000,000
1,500,000
1,000,000
500,000
0
100,000
50,000
25,000
20,000
15,000
10,000
5,000
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

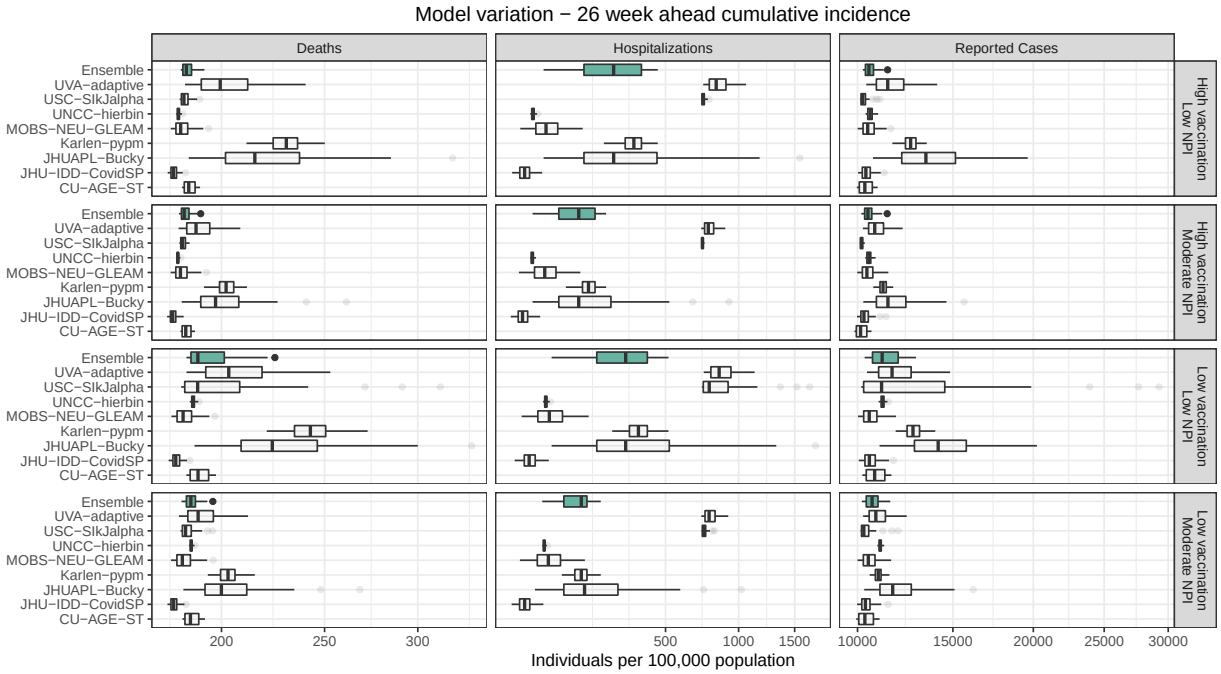

Individual model projections & 50% projection intervals − Low vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
1,500,000
1,000,000
500,000
0
120,000
90,000
60,000
30,000
25,000
20,000
15,000
10,000
5,000
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

Projection distributions

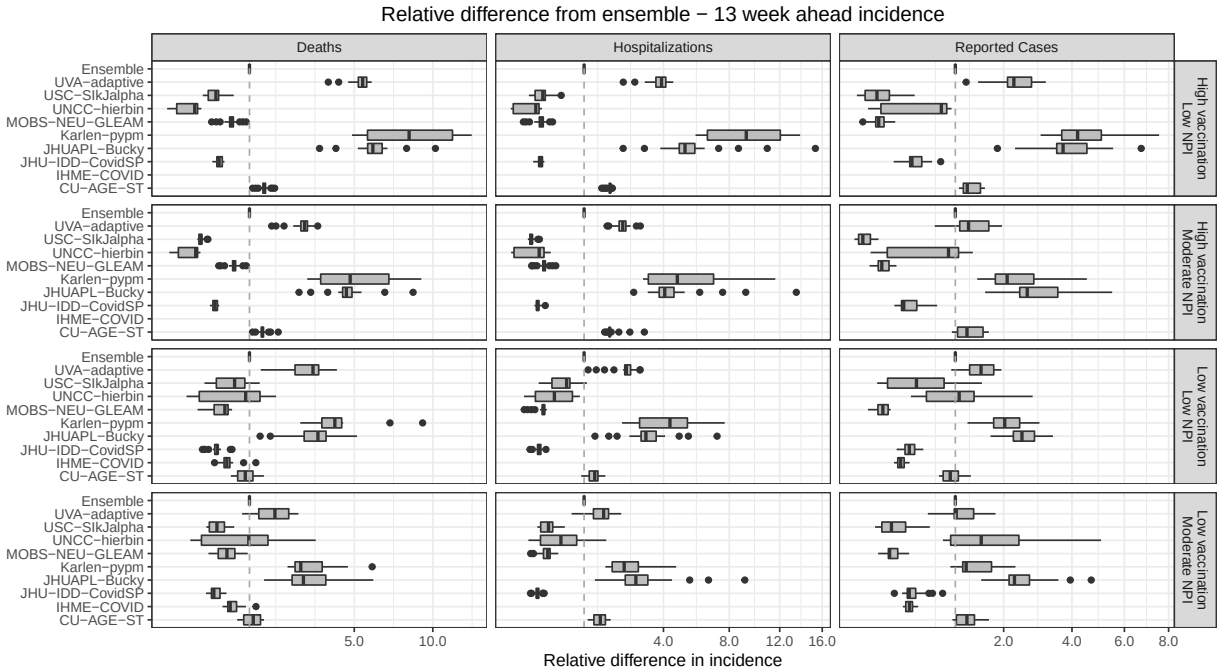


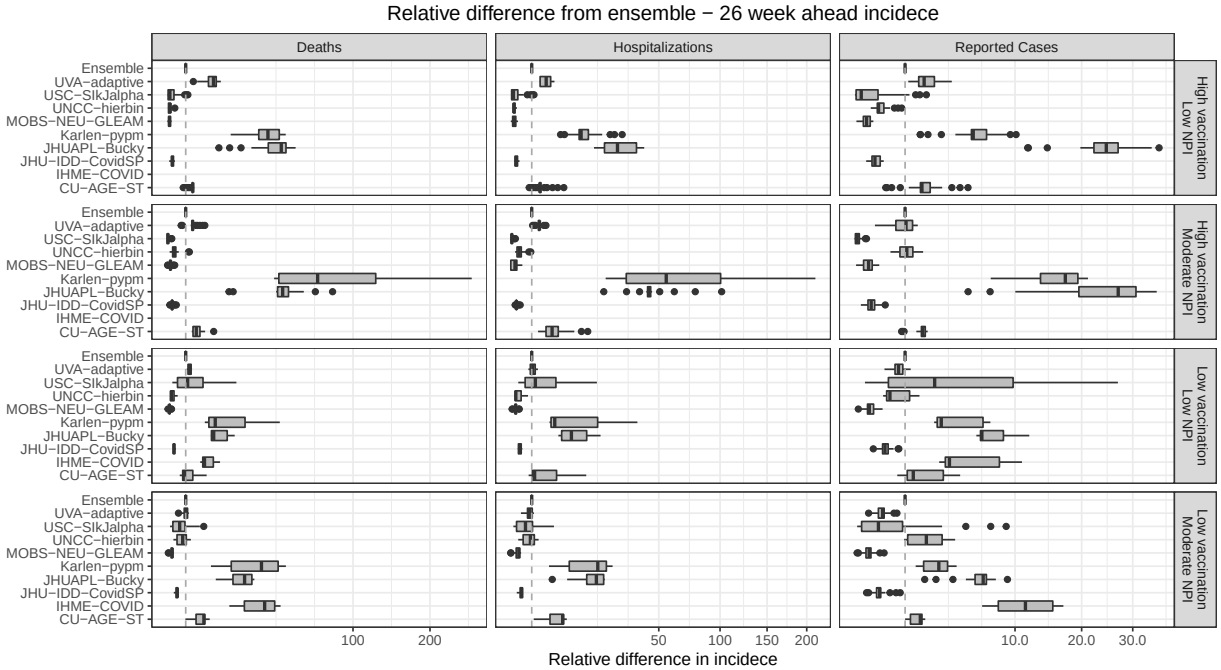


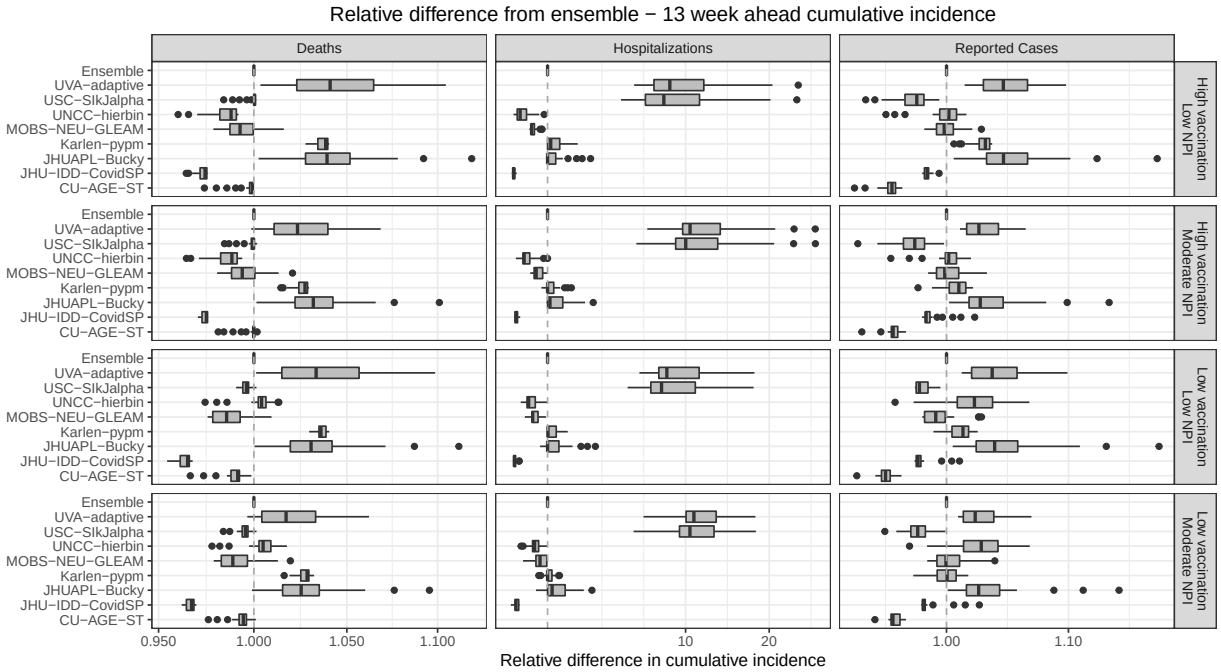

Model variation − 13 week ahead cumulative incidence
Deaths
Hospitalizations
Reported Cases
High vaccination Low NPI
High vaccination Moderate NPI
Low vaccination Low NPI
Low vaccination Moderate NPI
Ensemble
UVA−adaptive
USC−SIkJalpha
UNCC−hierbin
MOBS−NEU−GLEAM
Karlen−pypm
JHUAPL−Bucky
JHU−IDD−CovidSP
CU−AGE−ST
180
190
200
210
250
500
750
1000
10000
11000
12000
13000
Individuals per 100,000 population

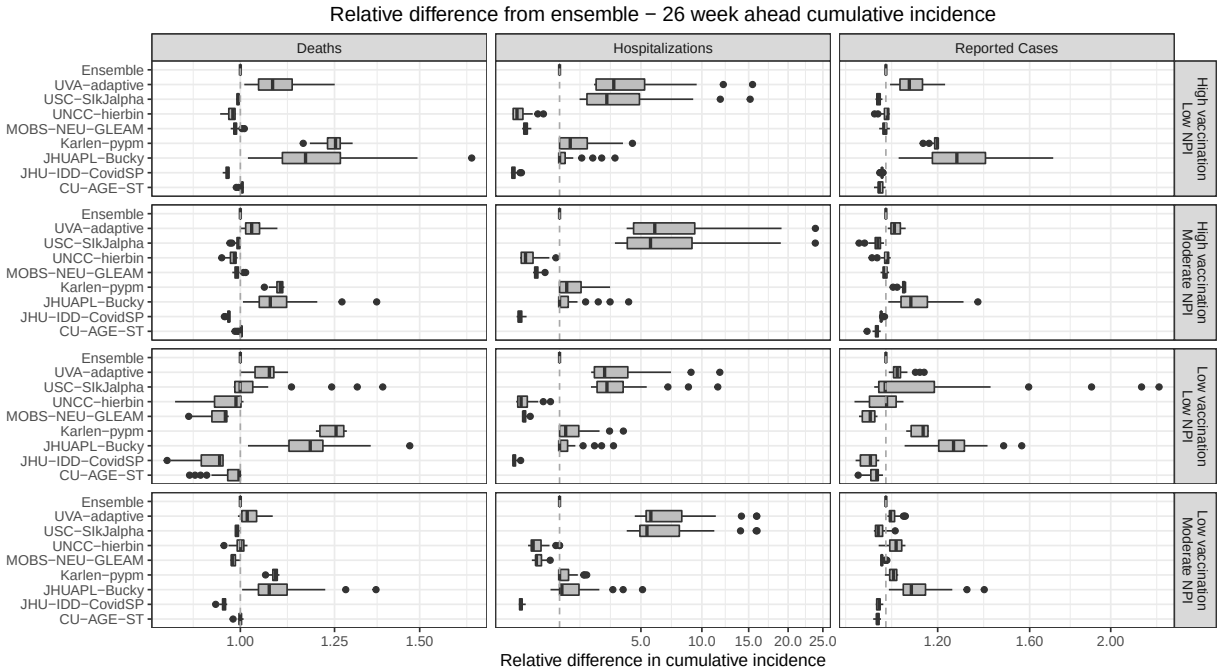

Model variation − 26 week ahead cumulative incidence
Deaths
Hospitalizations
Reported Cases
High vaccination Low NPI
High vaccination Moderate NPI
Low vaccination Low NPI
Low vaccination Moderate NPI
Ensemble
UVA−adaptive
USC−SIkJalpha
UNCC−hierbin
MOBS−NEU−GLEAM
Karlen−pypm
JHUAPL−Bucky
JHU−IDD−CovidSP
CU−AGE−ST
200
250
300
500
1000
1500
10000
15000
20000
25000
30000
Individuals per 100,000 population

Difference between model and ensemble distributions



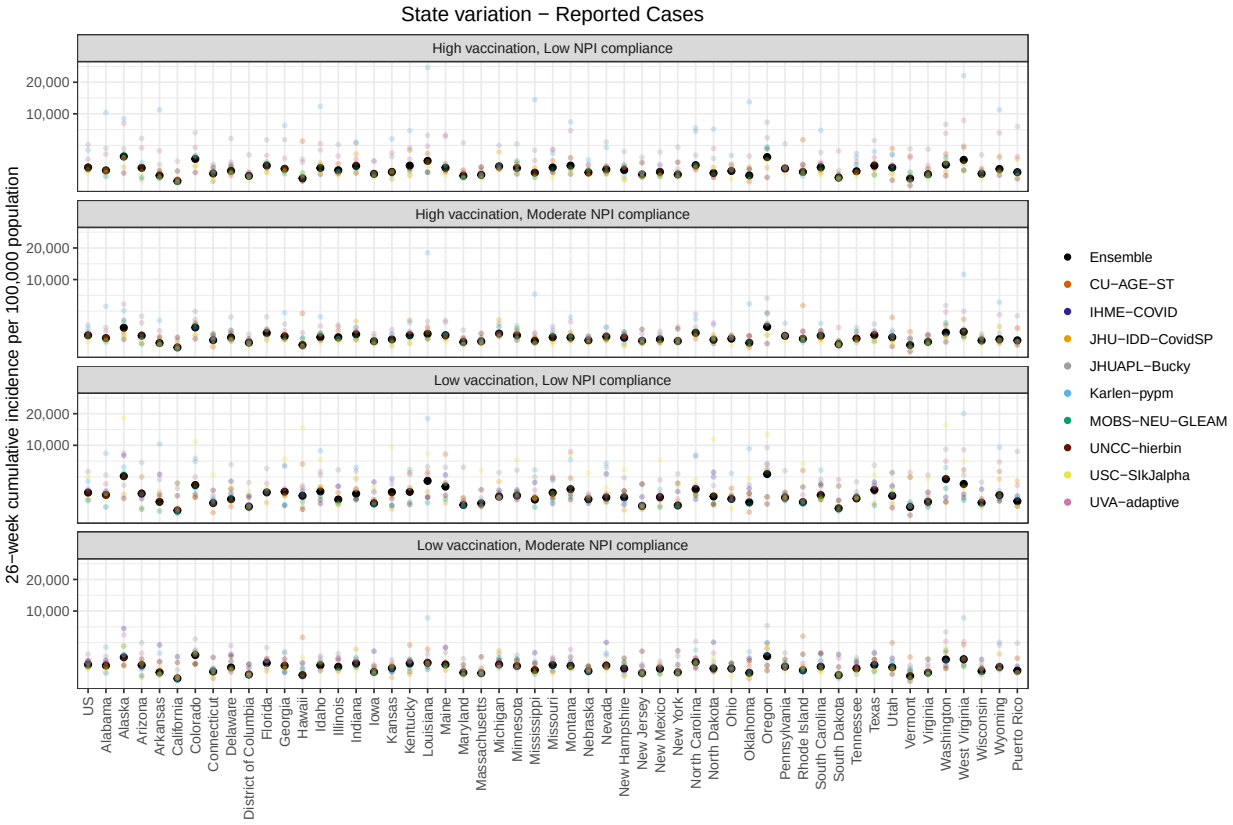


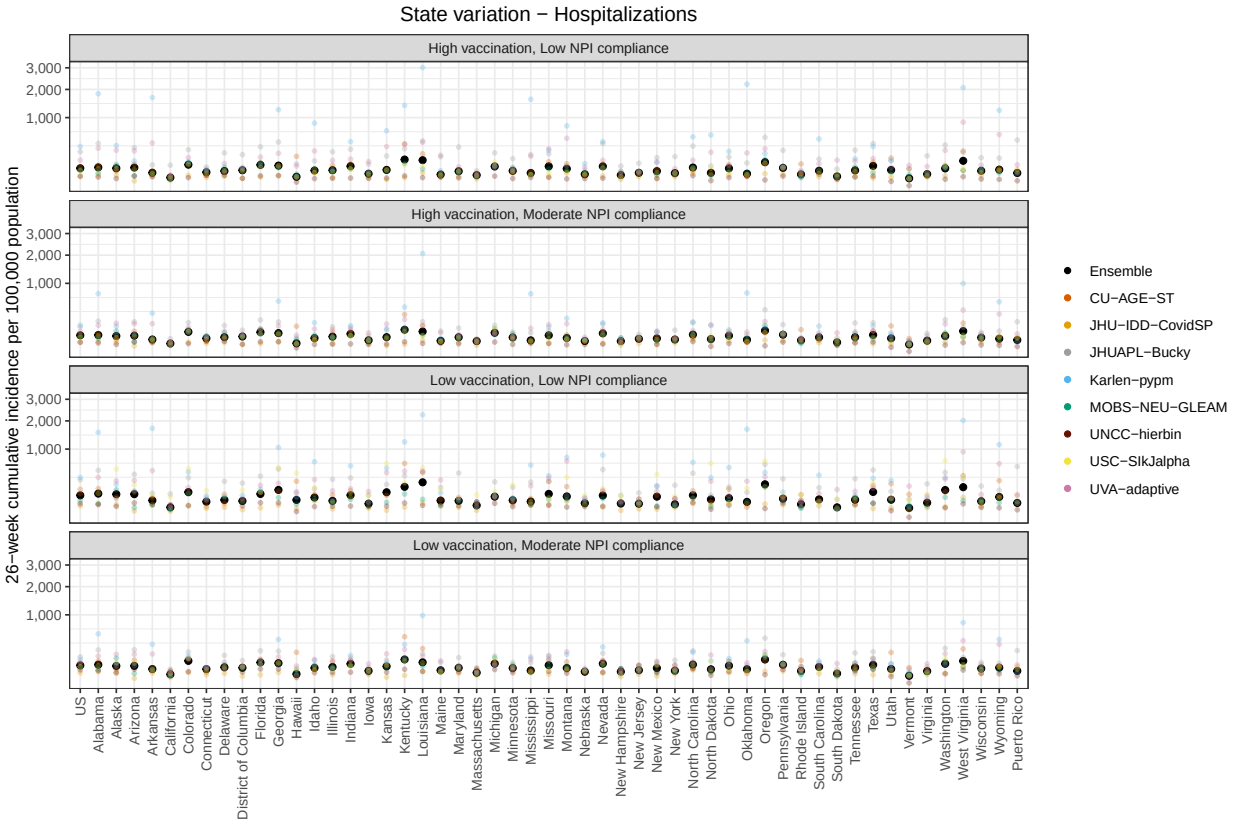

Relative difference from ensemble − 13 week ahead cumulative incidence
Deaths
Hospitalizations
Reported Cases
High vaccination Low NPI
High vaccination Moderate NPI
Low vaccination Low NPI
Low vaccination Moderate NPI
Ensemble
UVA−adaptive
USC−SIkJalpha
UNCC−hierbin
MOBS−NEU−GLEAM
Karlen−pypm
JHUAPL−Bucky
JHU−IDD−CovidSP
CU−AGE−ST
0.950
1.000
1.050
1.100
10
20
1.00
1.10
Relative difference in cumulative incidence

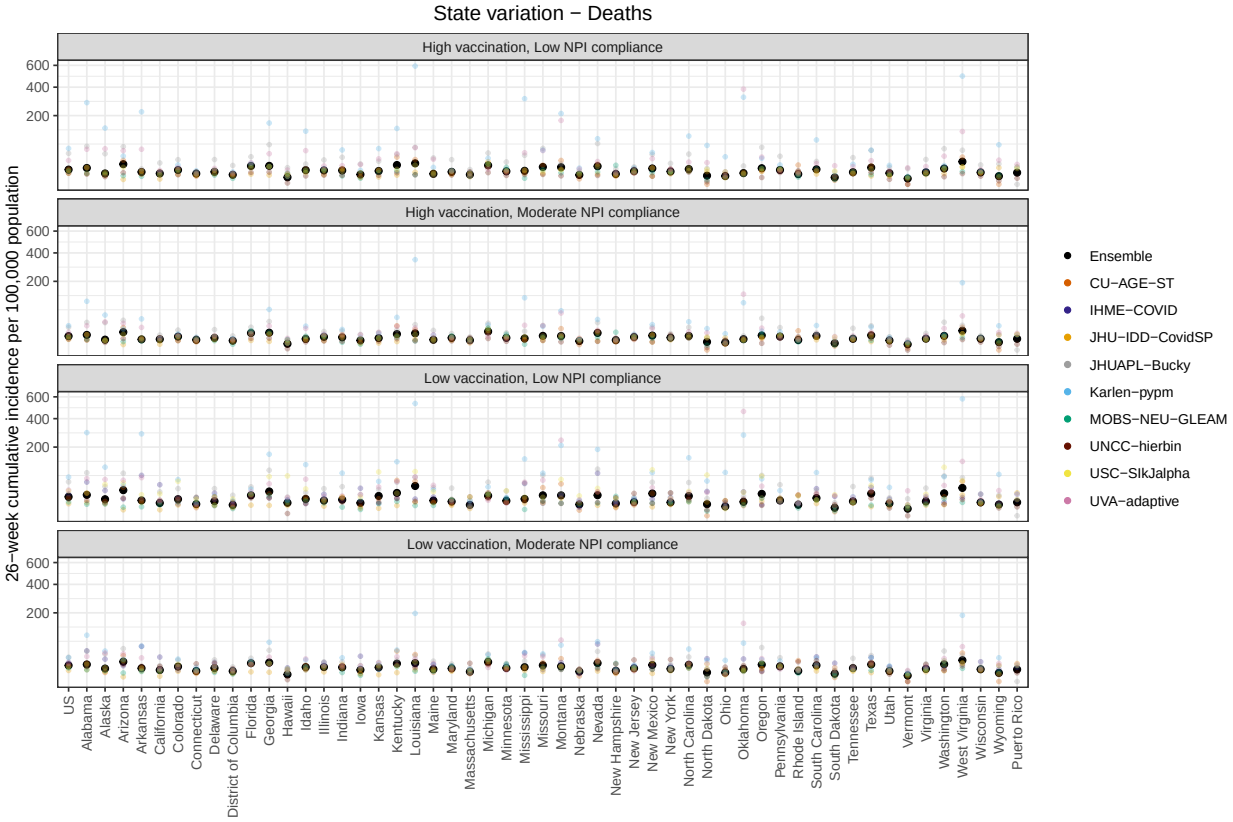

Relative difference from ensemble − 26 week ahead cumulative incidence
Deaths
Hospitalizations
Reported Cases
High vaccination Low NPI
High vaccination Moderate NPI
Low vaccination Low NPI
Low vaccination Moderate NPI
Ensemble
UVA−adaptive
USC−SIkJalpha
UNCC−hierbin
MOBS−NEU−GLEAM
Karlen−pypm
JHUAPL−Bucky
JHU−IDD−CovidSP
CU−AGE−ST
1.00
1.25
1.50
5.0
10.0
15.0
20.0
25.0
1.20
1.60
2.00
Relative difference in cumulative incidence

Supplemental Plots

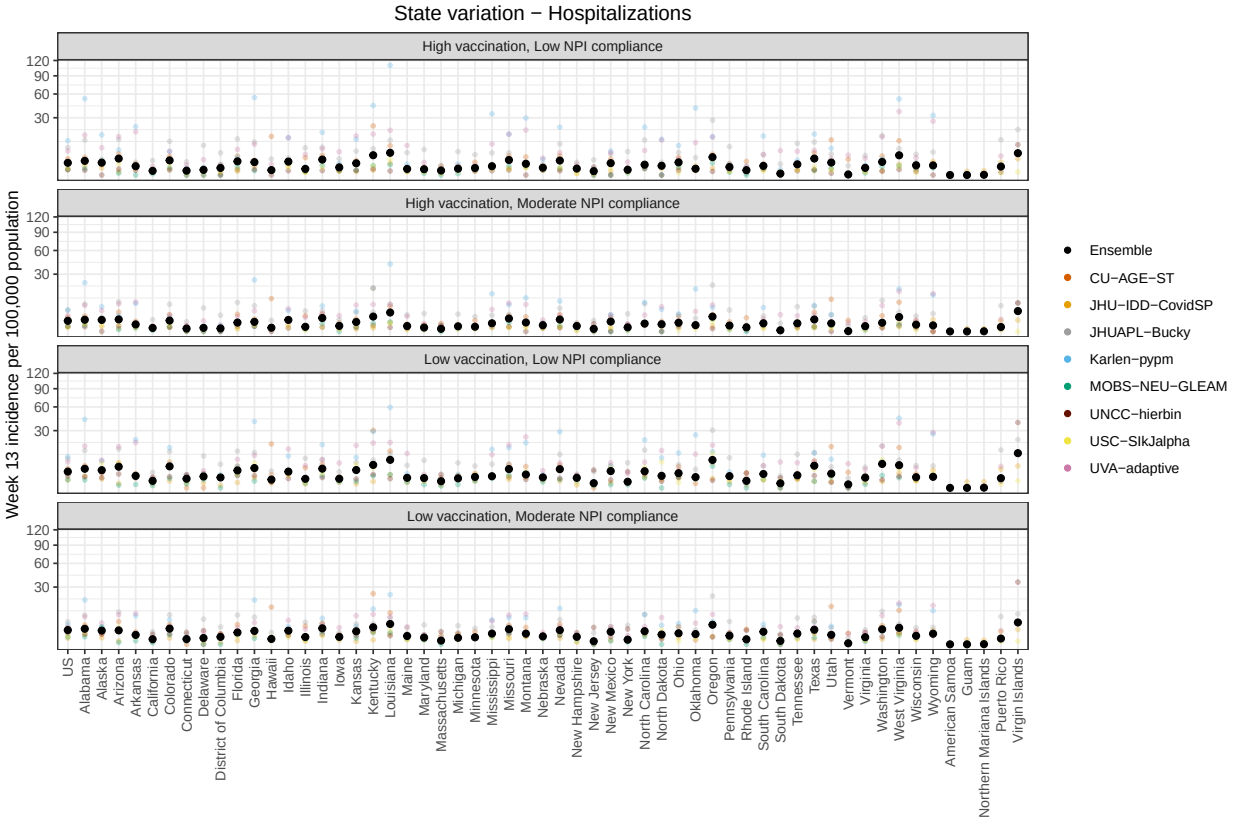
Individual model and ensembles projections for state-level cumulative incidence per 100,000 population over 26-week projection period. Please note the relatively small number of models incorporated in the ensemble at this stage, particularly states and territories for which only one or two models have submitted projections.

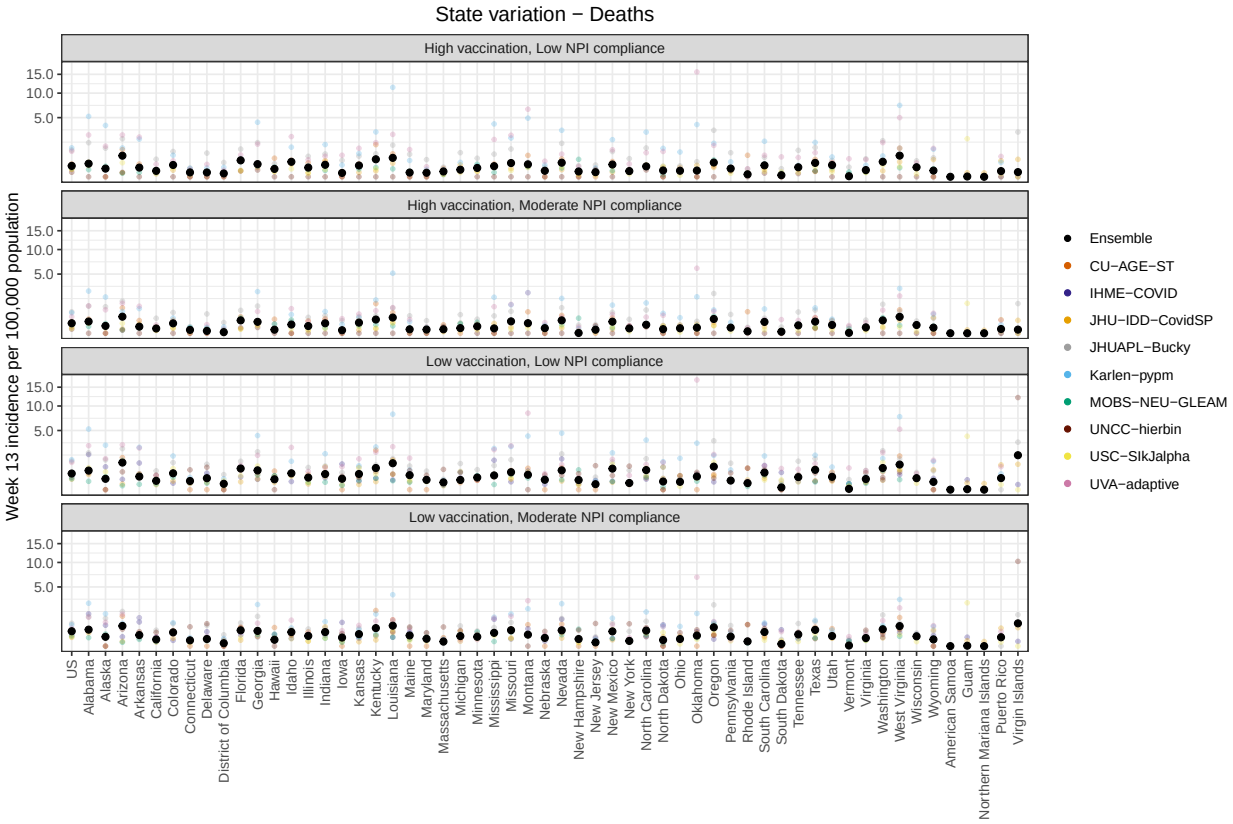



State variation − Hospitalizations
High vaccination, Low NPI compliance
High vaccination, Moderate NPI compliance
Low vaccination, Low NPI compliance
Low vaccination, Moderate NPI compliance
26−week cumulative incidence per 100,000 population
3,000
2,000
1,000
US
Alabama
Alaska
Arizona
Arkansas
California
Colorado
Connecticut
Delaware
District of Columbia
Florida
Georgia
Hawaii
Idaho
Illinois
Indiana
Iowa
Kansas
Kentucky
Louisiana
Maine
Maryland
Massachusetts
Michigan
Minnesota
Mississippi
Missouri
Montana
Nebraska
Nevada
New Hampshire
New Jersey
New Mexico
New York
North Carolina
North Dakota
Ohio
Oklahoma
Oregon
Pennsylvania
Rhode Island
South Carolina
South Dakota
Tennessee
Texas
Utah
Vermont
Virginia
Washington
West Virginia
Wisconsin
Wyoming
Puerto Rico
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

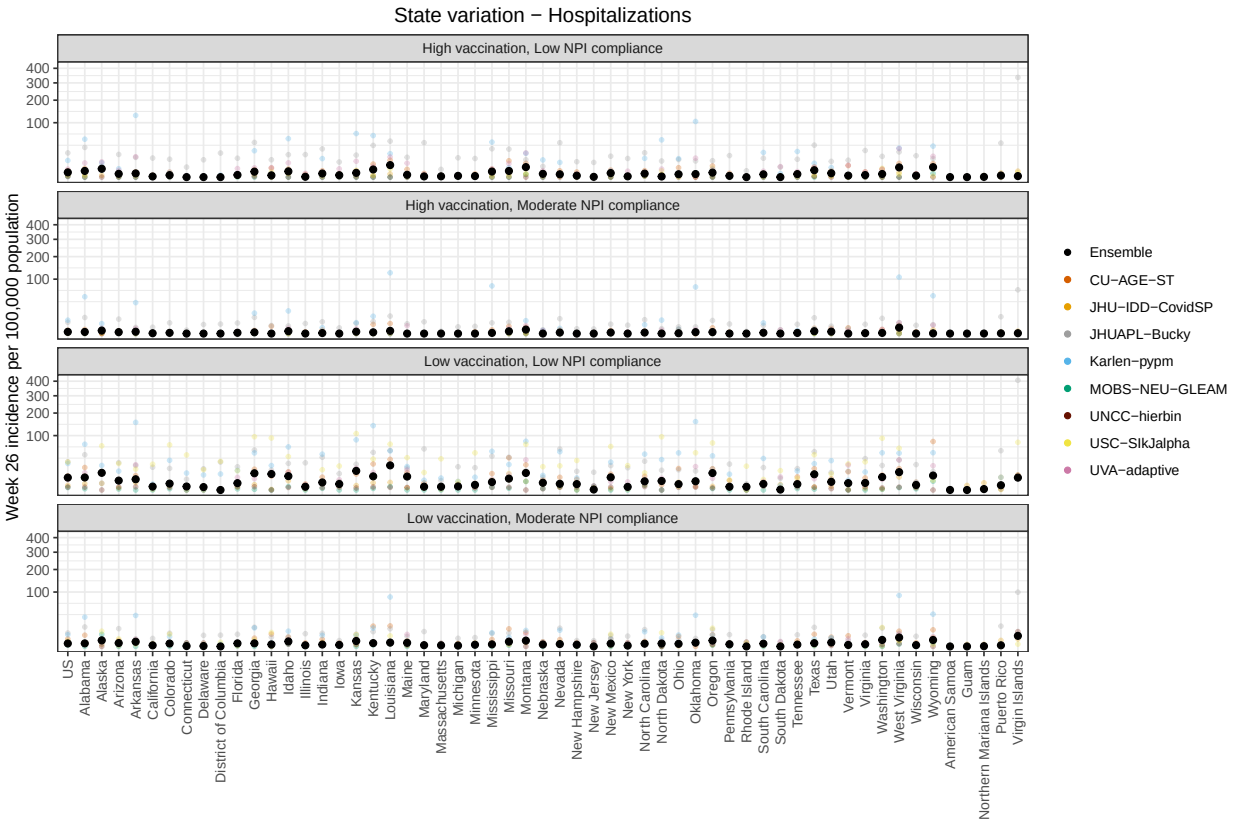

State variation − Deaths
High vaccination, Low NPI compliance
High vaccination, Moderate NPI compliance
Low vaccination, Low NPI compliance
Low vaccination, Moderate NPI compliance
26−week cumulative incidence per 100,000 population
600
400
200
US
Alabama
Alaska
Arizona
Arkansas
California
Colorado
Connecticut
Delaware
District of Columbia
Florida
Georgia
Hawaii
Idaho
Illinois
Indiana
Iowa
Kansas
Kentucky
Louisiana
Maine
Maryland
Massachusetts
Michigan
Minnesota
Mississippi
Missouri
Montana
Nebraska
Nevada
New Hampshire
New Jersey
New Mexico
New York
North Carolina
North Dakota
Ohio
Oklahoma
Oregon
Pennsylvania
Rhode Island
South Carolina
South Dakota
Tennessee
Texas
Utah
Vermont
Virginia
Washington
West Virginia
Wisconsin
Wyoming
Puerto Rico
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

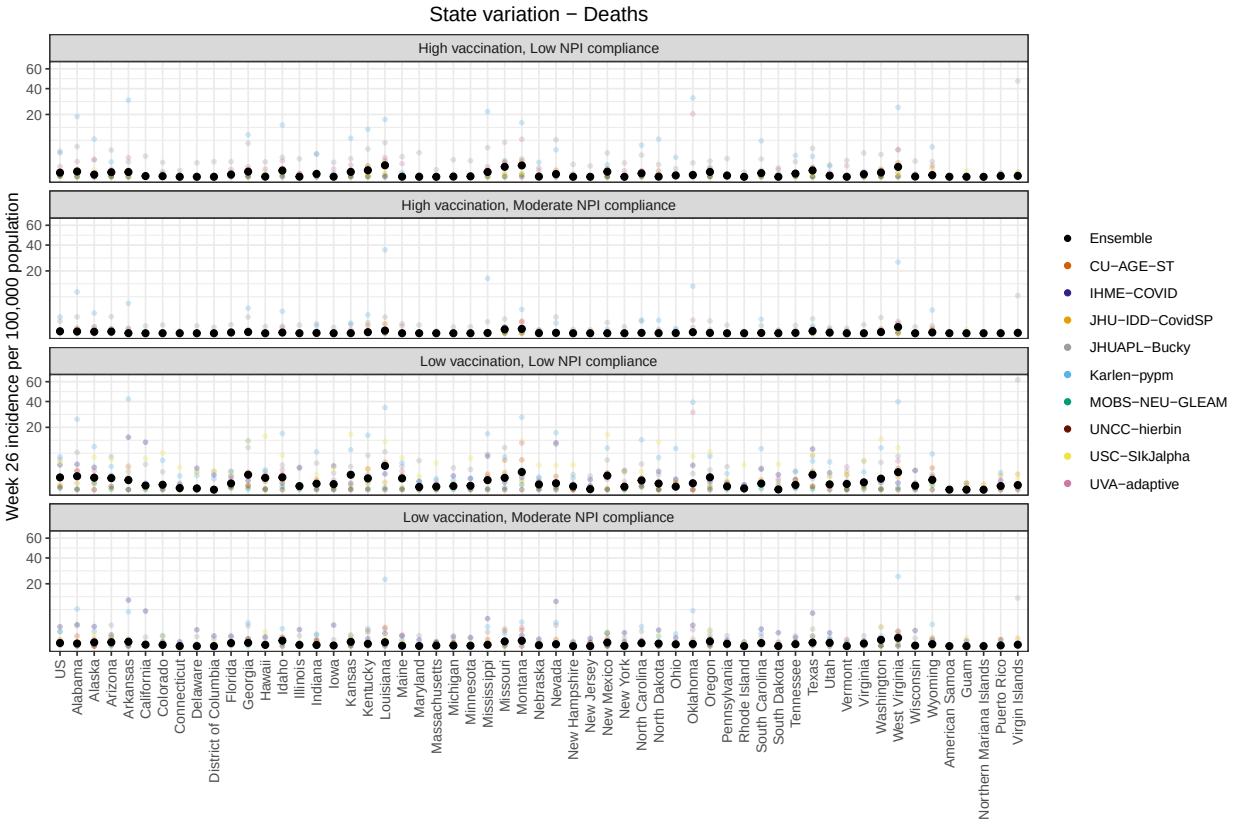
Individual model and ensembles projections for state-level death and hospitalization incidence per 100,000 population at week 13.



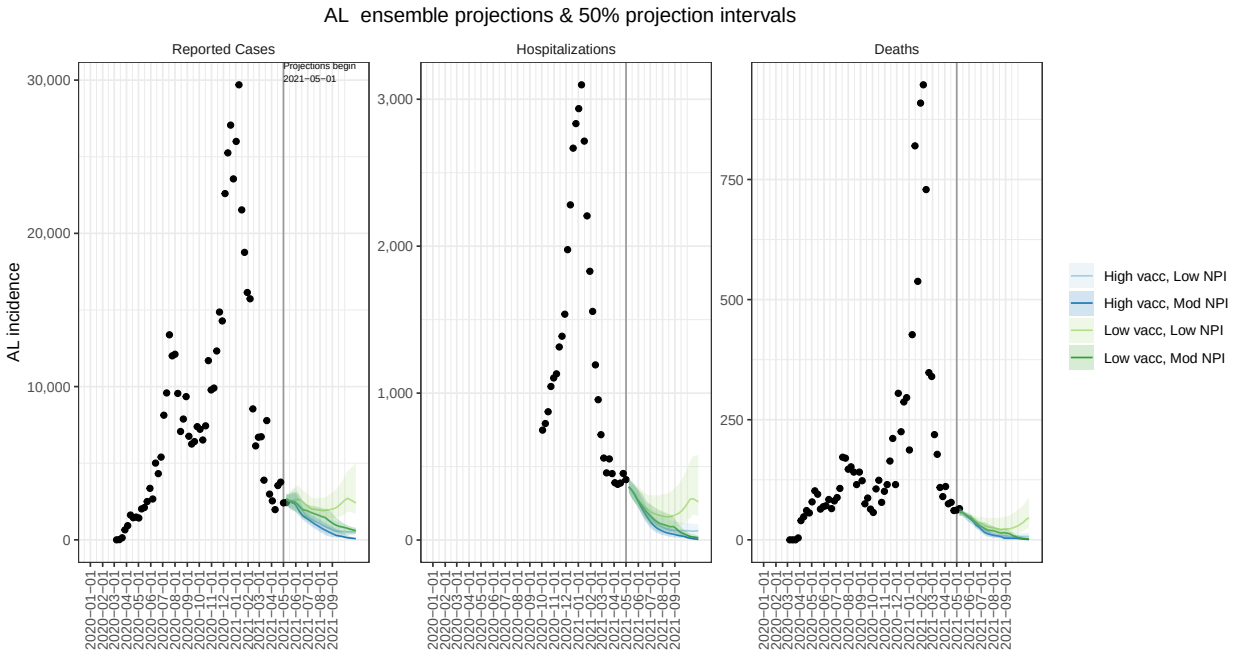

State variation − Deaths
High vaccination, Low NPI compliance
High vaccination, Moderate NPI compliance
Low vaccination, Low NPI compliance
Low vaccination, Moderate NPI compliance
Week 13 incidence per 100,000 population
15.0
10.0
5.0
US
Alabama
Alaska
Arizona
Arkansas
California
Colorado
Connecticut
Delaware
District of Columbia
Florida
Georgia
Hawaii
Idaho
Illinois
Indiana
Iowa
Kansas
Kentucky
Louisiana
Maine
Maryland
Massachusetts
Michigan
Minnesota
Mississippi
Missouri
Montana
Nebraska
Nevada
New Hampshire
New Jersey
New Mexico
New York
North Carolina
North Dakota
Ohio
Oklahoma
Oregon
Pennsylvania
Rhode Island
South Carolina
South Dakota
Tennessee
Texas
Utah
Vermont
Virginia
Washington
West Virginia
Wisconsin
Wyoming
American Samoa
Guam
Northern Mariana Islands
Puerto Rico
Virgin Islands
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

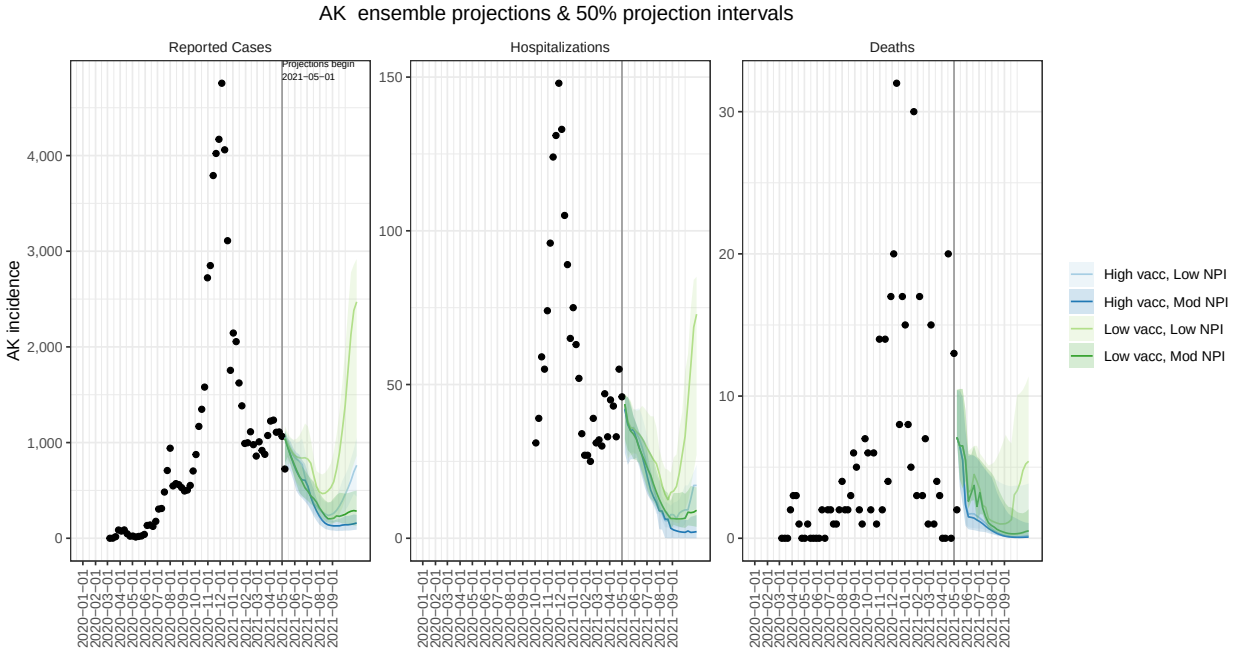
Individual model and ensembles projections for state-level incidence per 100,000 population at week 26.

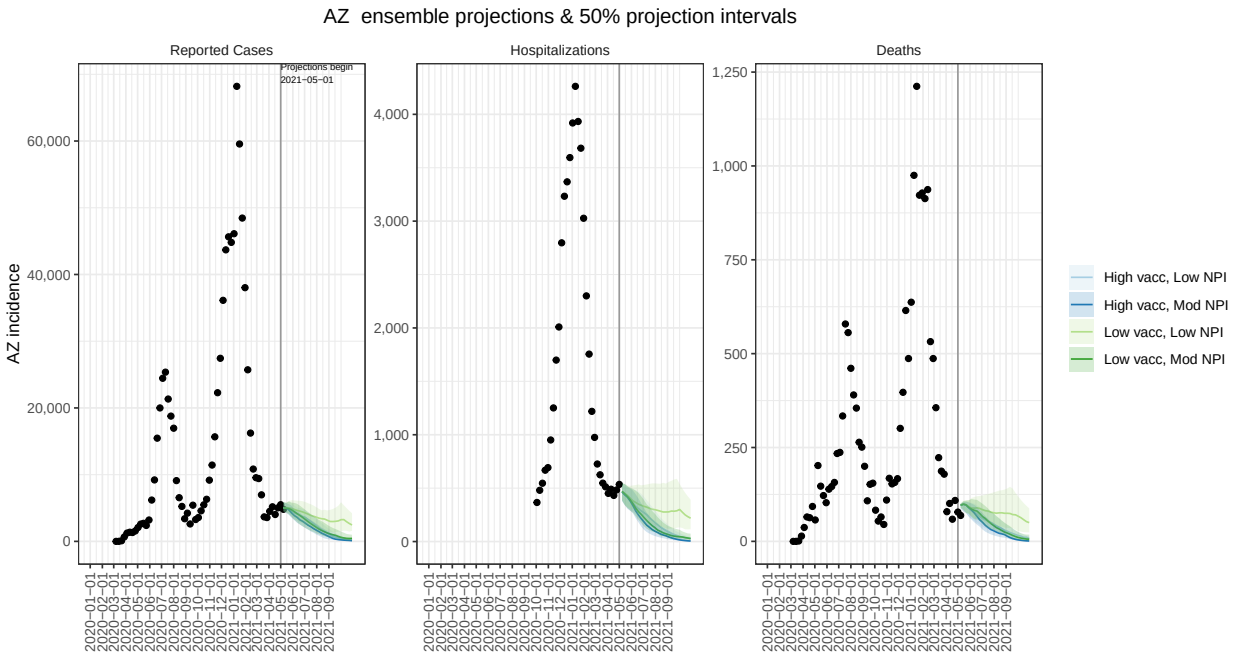


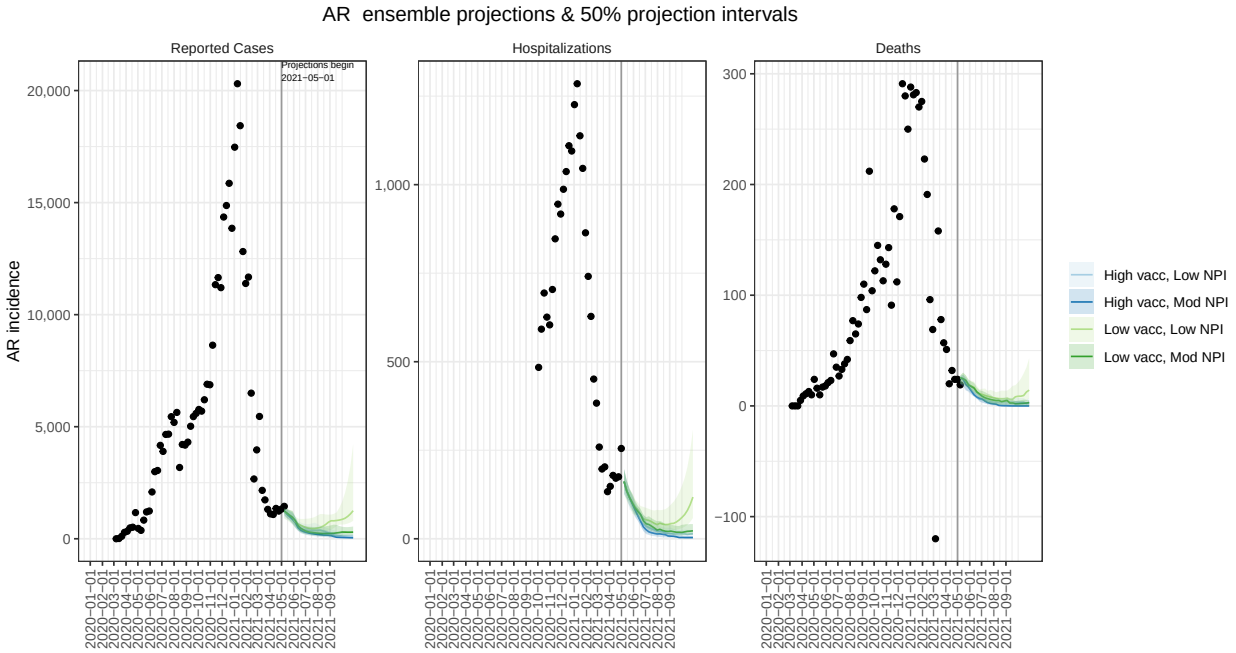

State variation − Deaths
High vaccination, Low NPI compliance
High vaccination, Moderate NPI compliance
Low vaccination, Low NPI compliance
Low vaccination, Moderate NPI compliance
Week 26 incidence per 100,000 population
60
40
20
US
Alabama
Alaska
Arizona
Arkansas
California
Colorado
Connecticut
Delaware
District of Columbia
Florida
Georgia
Hawaii
Idaho
Illinois
Indiana
Iowa
Kansas
Kentucky
Louisiana
Maine
Maryland
Massachusetts
Michigan
Minnesota
Mississippi
Missouri
Montana
Nebraska
Nevada
New Hampshire
New Jersey
New Mexico
New York
North Carolina
North Dakota
Ohio
Oklahoma
Oregon
Pennsylvania
Rhode Island
South Carolina
South Dakota
Tennessee
Texas
Utah
Vermont
Virginia
Washington
West Virginia
Wisconsin
Wyoming
American Samoa
Guam
Northern Mariana Islands
Puerto Rico
Virgin Islands
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

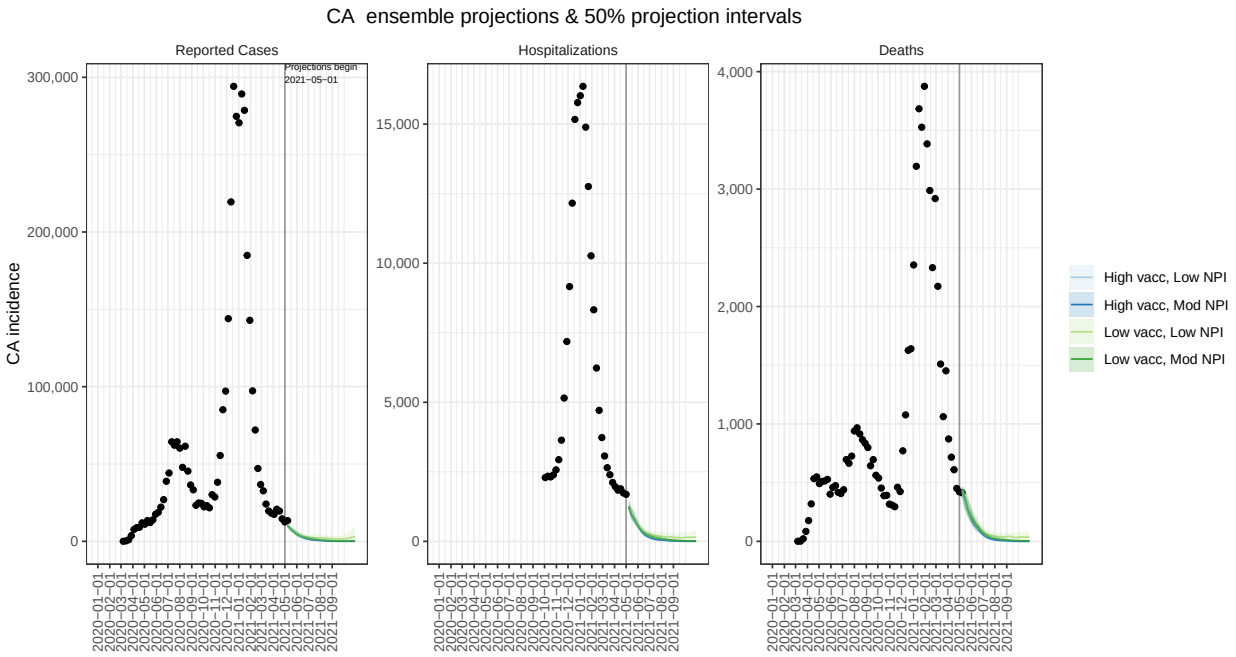
State-level ensemble plots

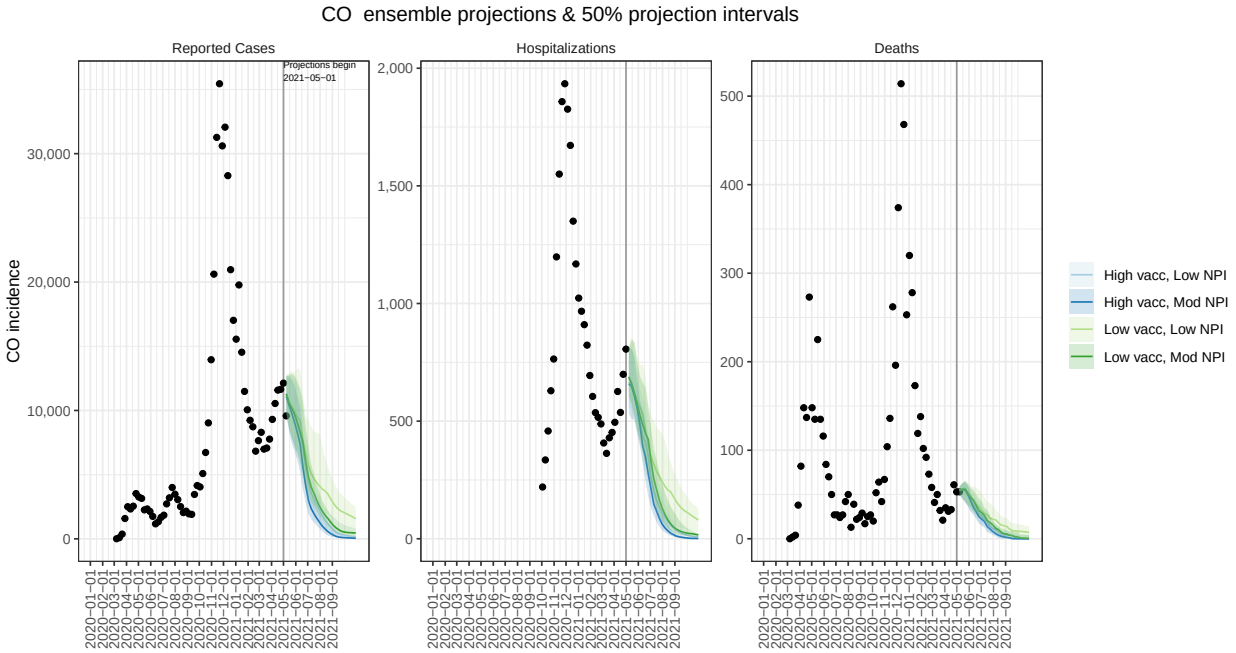


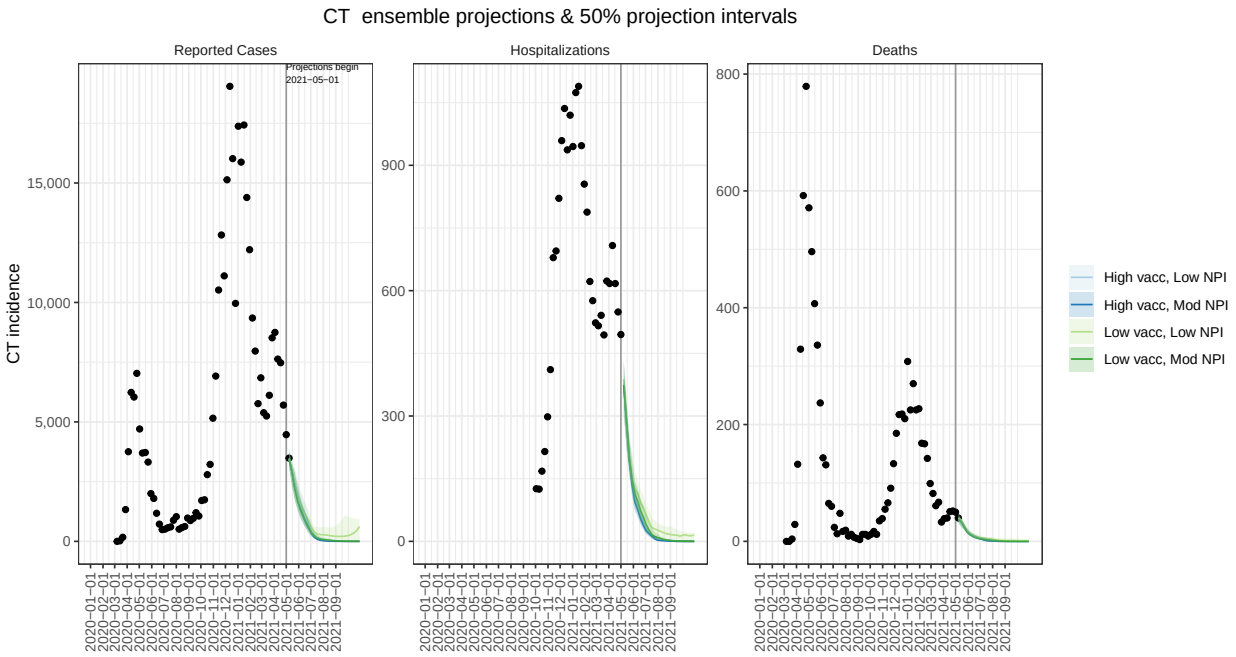


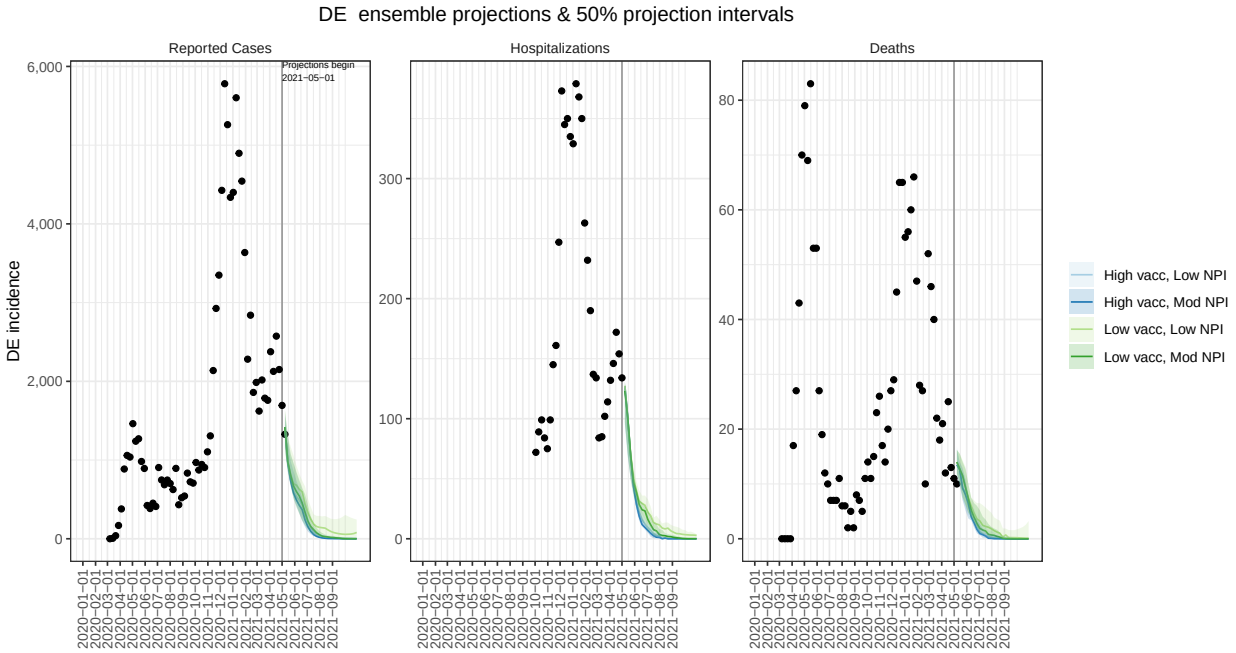

AZ ensemble projections & 50% projection intervals
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
AZ incidence
High vacc, Low NPI
High vacc, Mod NPI
Low vacc, Low NPI
Low vacc, Mod NPI

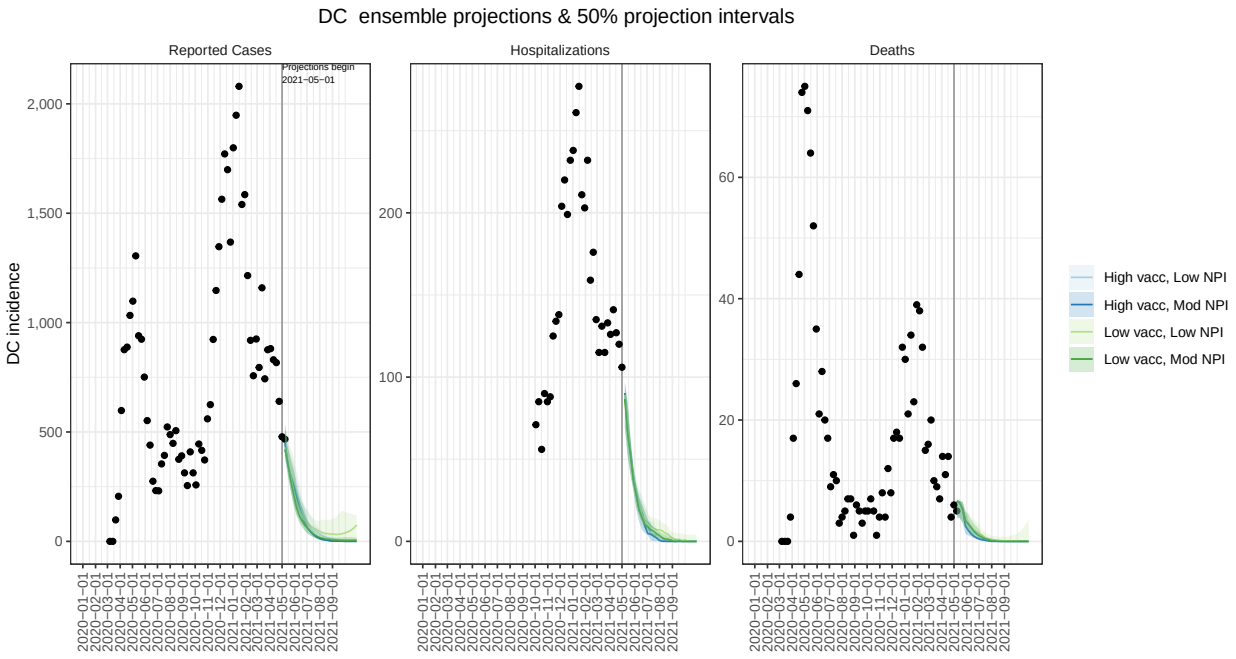

AR ensemble projections & 50% projection intervals
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
AR incidence
High vacc, Low NPI
High vacc, Mod NPI
Low vacc, Low NPI
Low vacc, Mod NPI

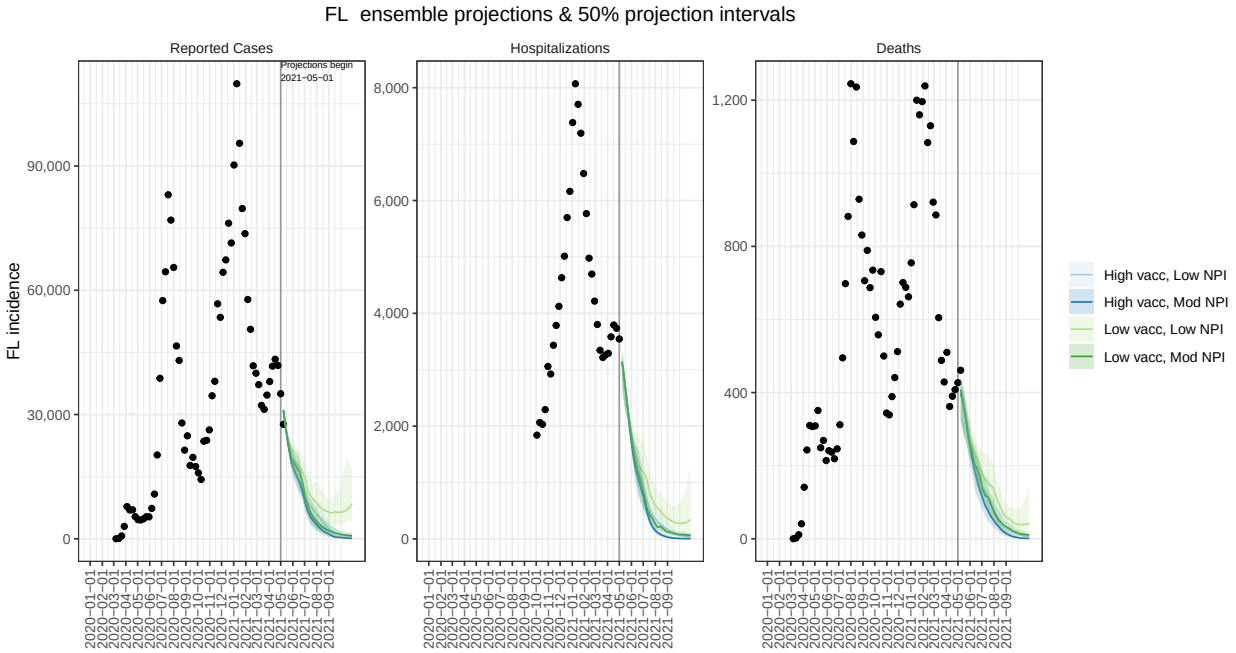

CA ensemble projections & 50% projection intervals
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
CA incidence
High vacc, Low NPI
High vacc, Mod NPI
Low vacc, Low NPI
Low vacc, Mod NPI

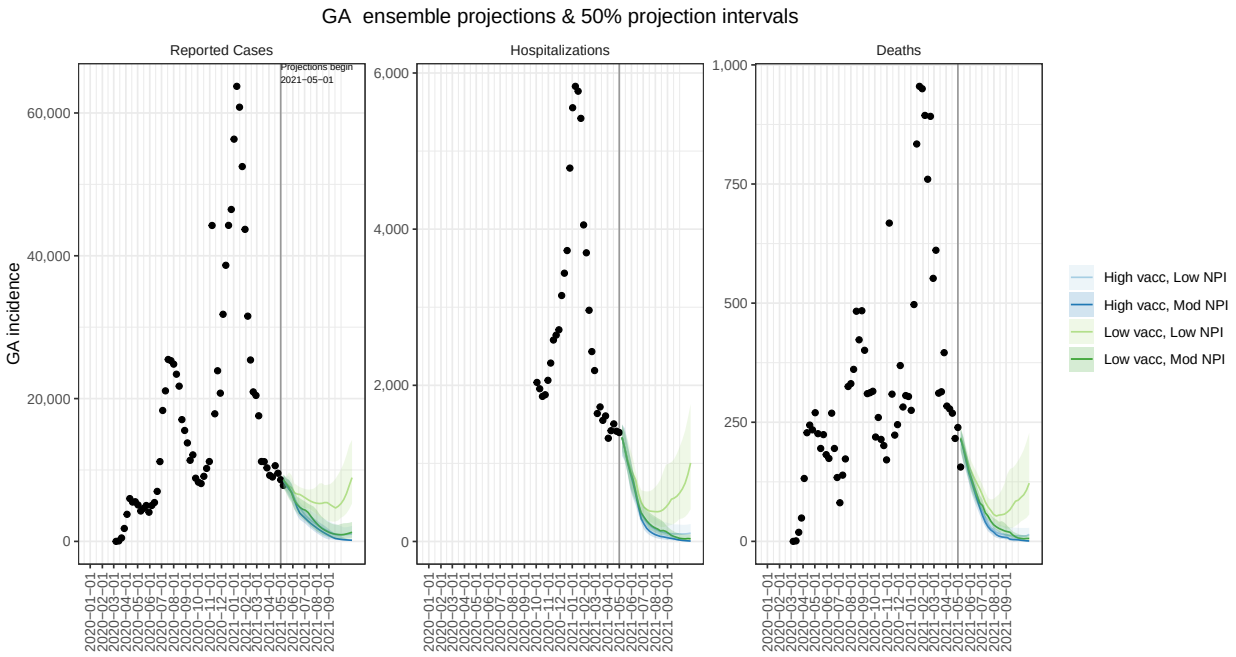

CO ensemble projections & 50% projection intervals
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
CO incidence
High vacc, Low NPI
High vacc, Mod NPI
Low vacc, Low NPI
Low vacc, Mod NPI

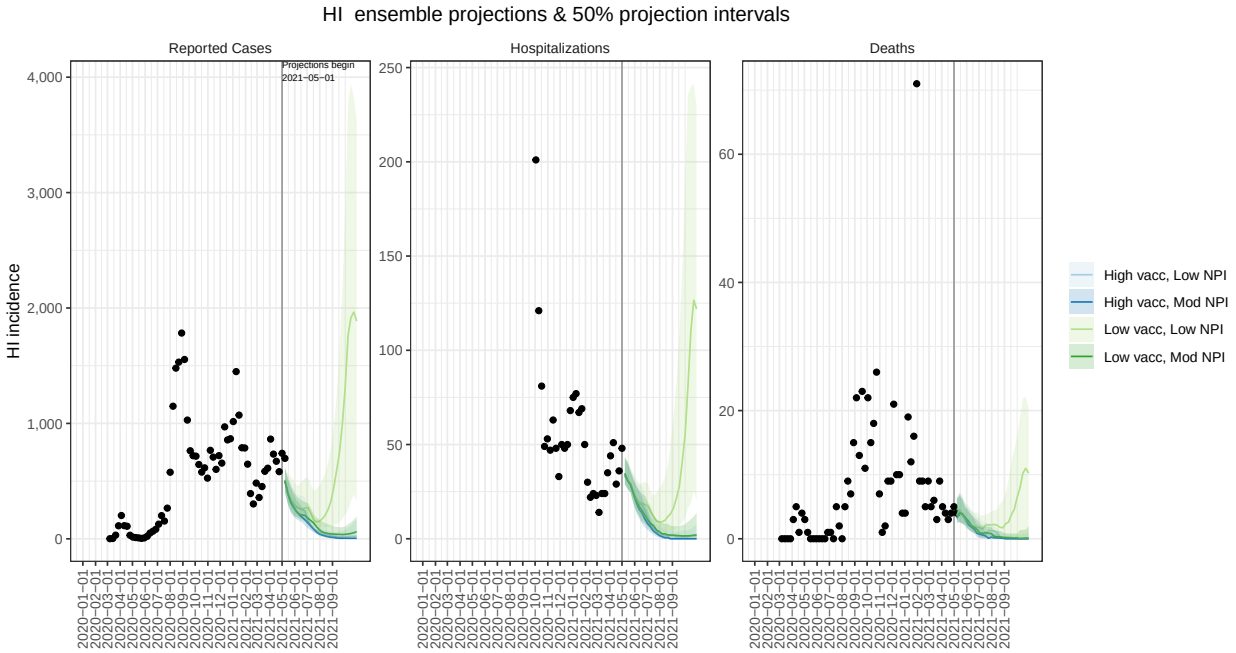

CT ensemble projections & 50% projection intervals
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
CT incidence
High vacc, Low NPI
High vacc, Mod NPI
Low vacc, Low NPI
Low vacc, Mod NPI

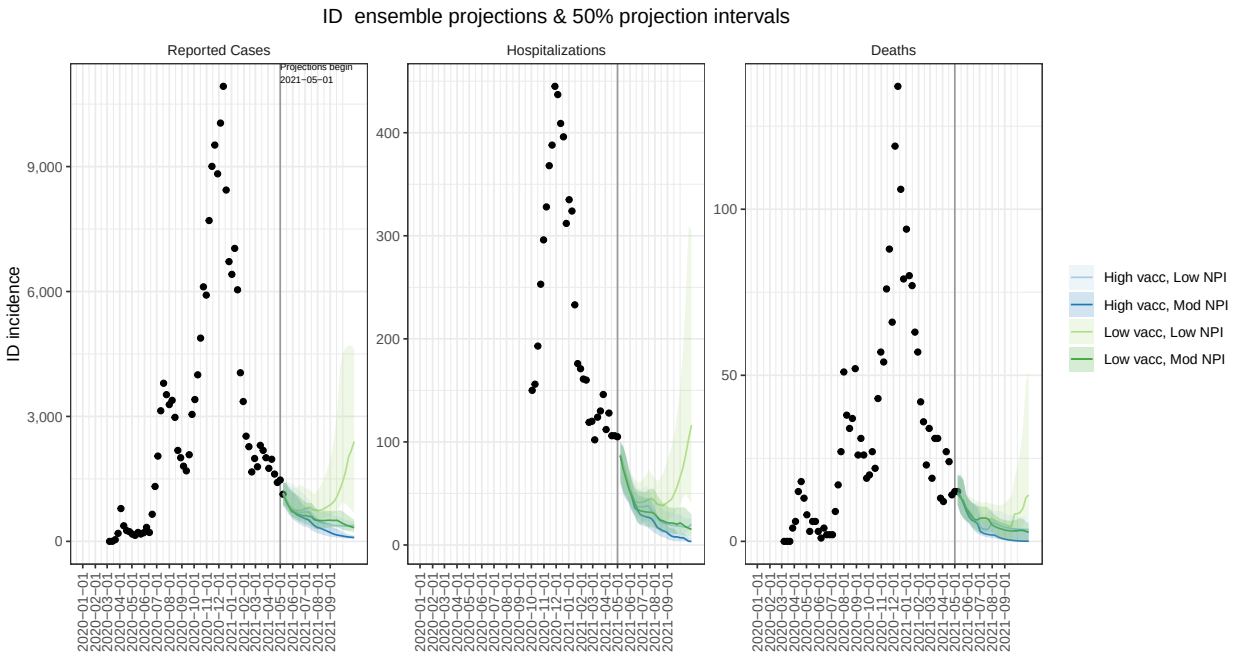

DE ensemble projections & 50% projection intervals
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
DE incidence
High vacc, Low NPI
High vacc, Mod NPI
Low vacc, Low NPI
Low vacc, Mod NPI

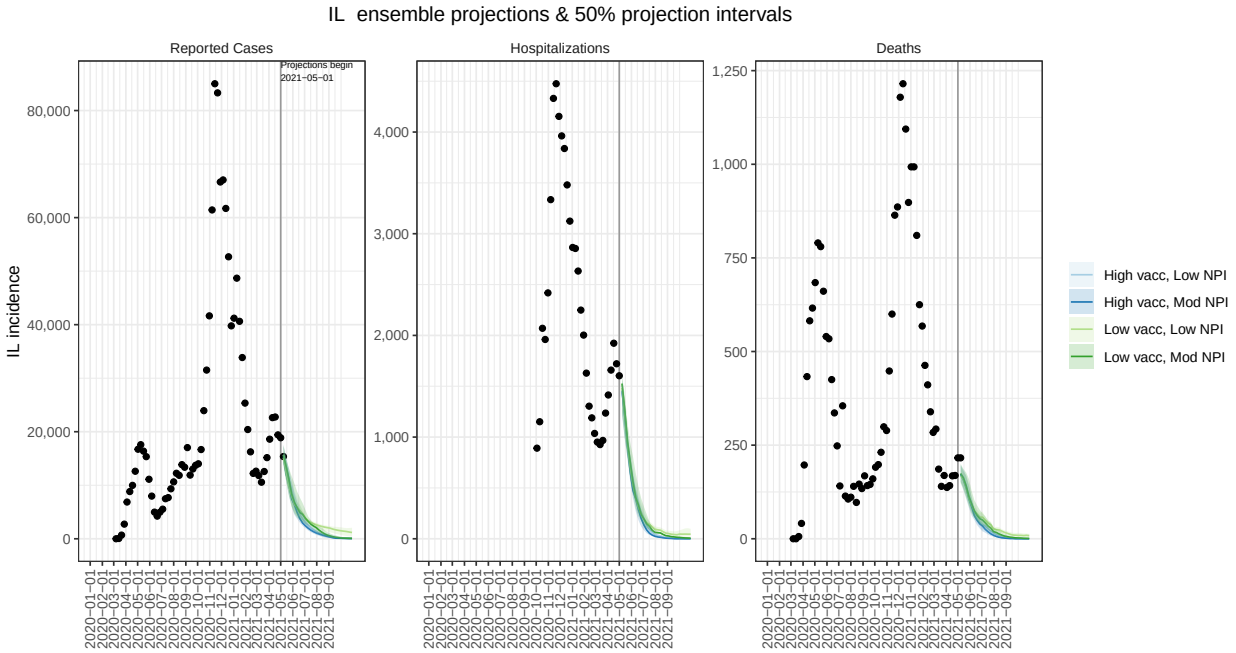

DC ensemble projections & 50% projection intervals
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
DC incidence
High vacc, Low NPI
High vacc, Mod NPI
Low vacc, Low NPI
Low vacc, Mod NPI

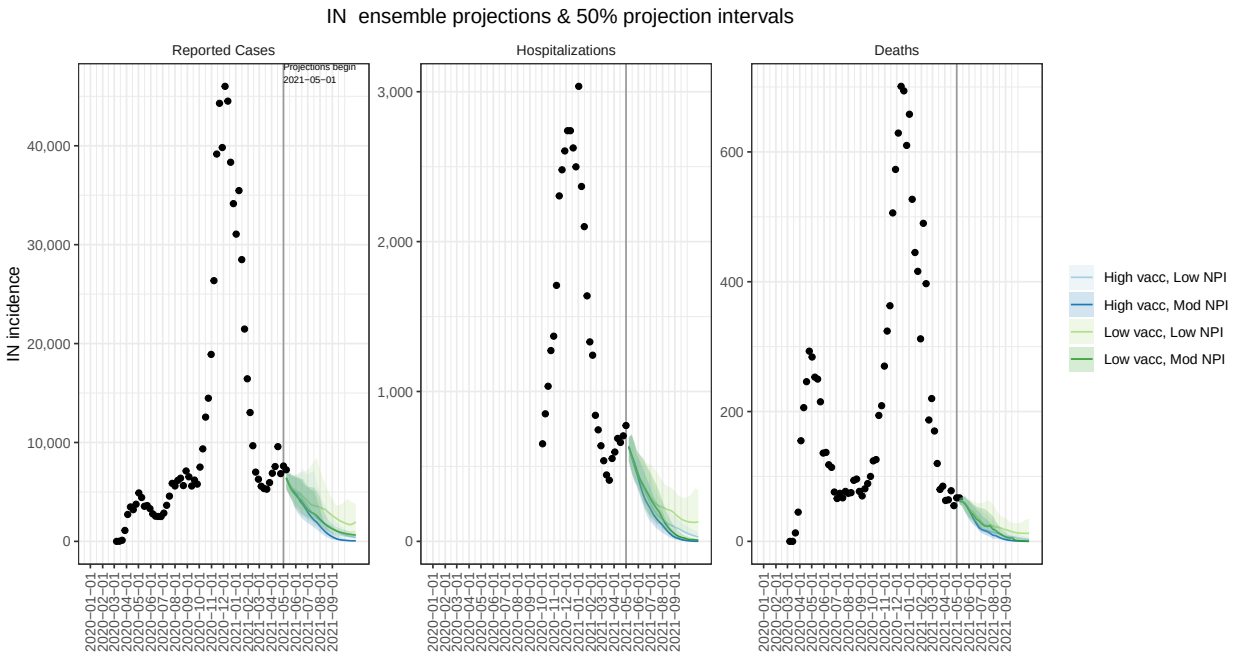

FL ensemble projections & 50% projection intervals
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
FL incidence
High vacc, Low NPI
High vacc, Mod NPI
Low vacc, Low NPI
Low vacc, Mod NPI

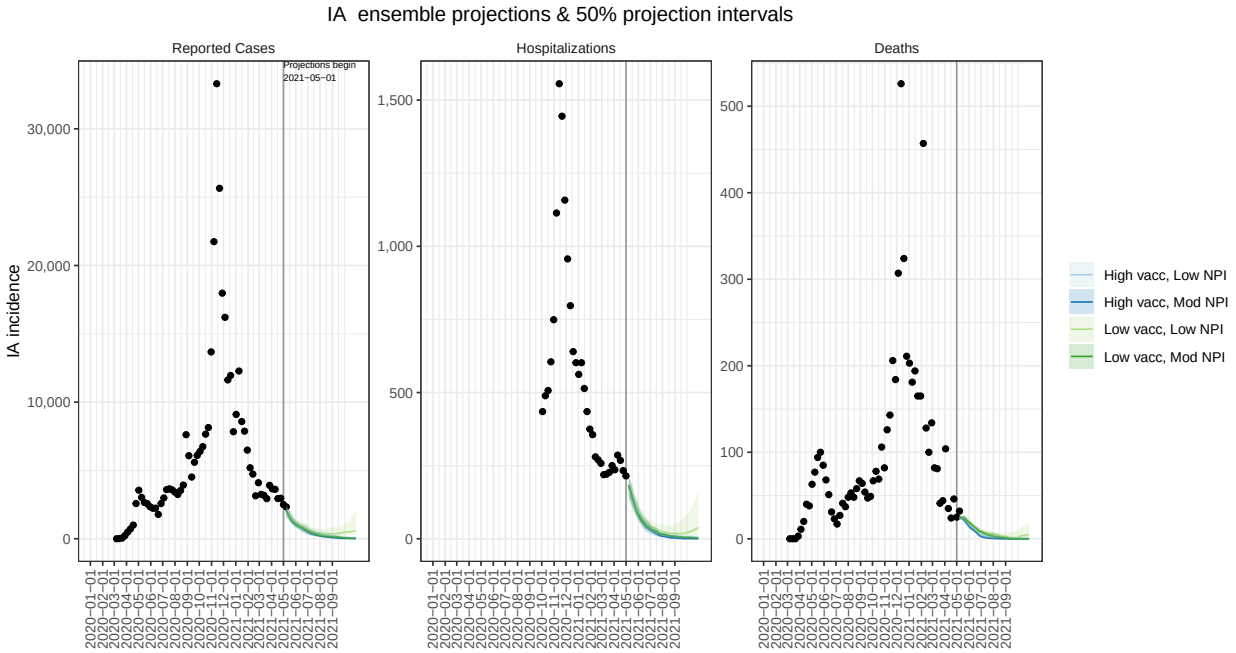

GA ensemble projections & 50% projection intervals
Reported Cases
Hospitalizations
Deaths
Projections begin 2021−05−01
GA incidence
High vacc, Low NPI
High vacc, Mod NPI
Low vacc, Low NPI
Low vacc, Mod NPI

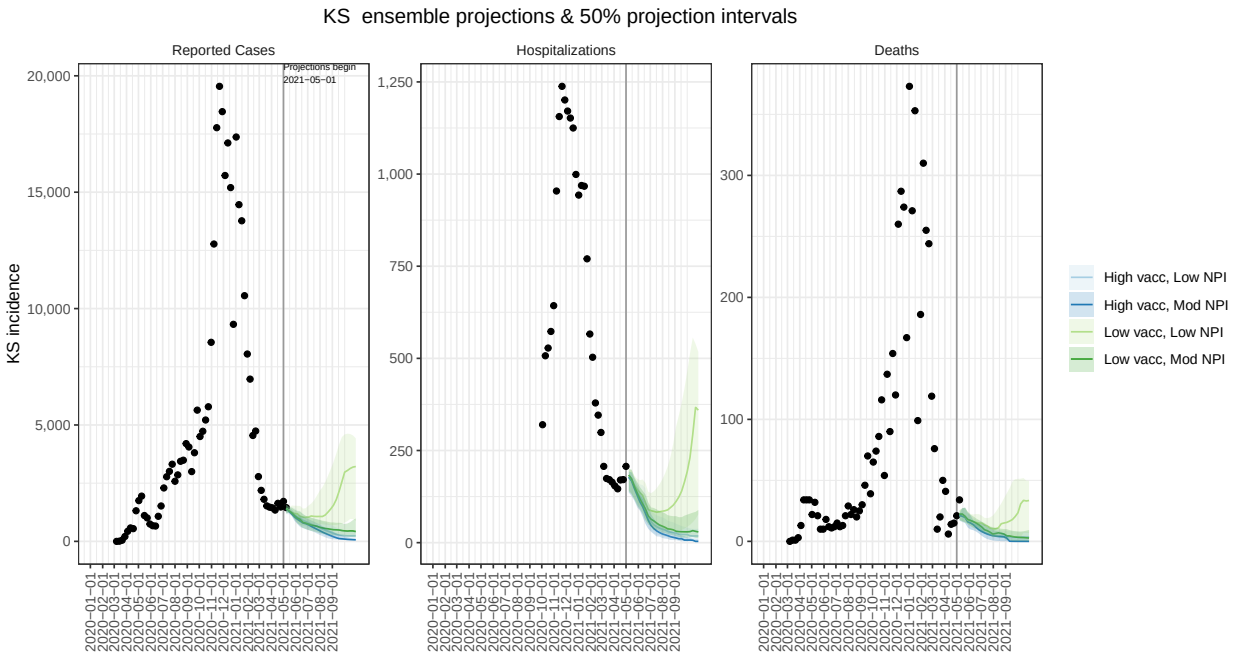

HI ensemble projections & 50% projection intervals
Reported Cases
Hospitalizations
Deaths
Projections begin 2021−05−01
HI incidence
High vacc, Low NPI
High vacc, Mod NPI
Low vacc, Low NPI
Low vacc, Mod NPI

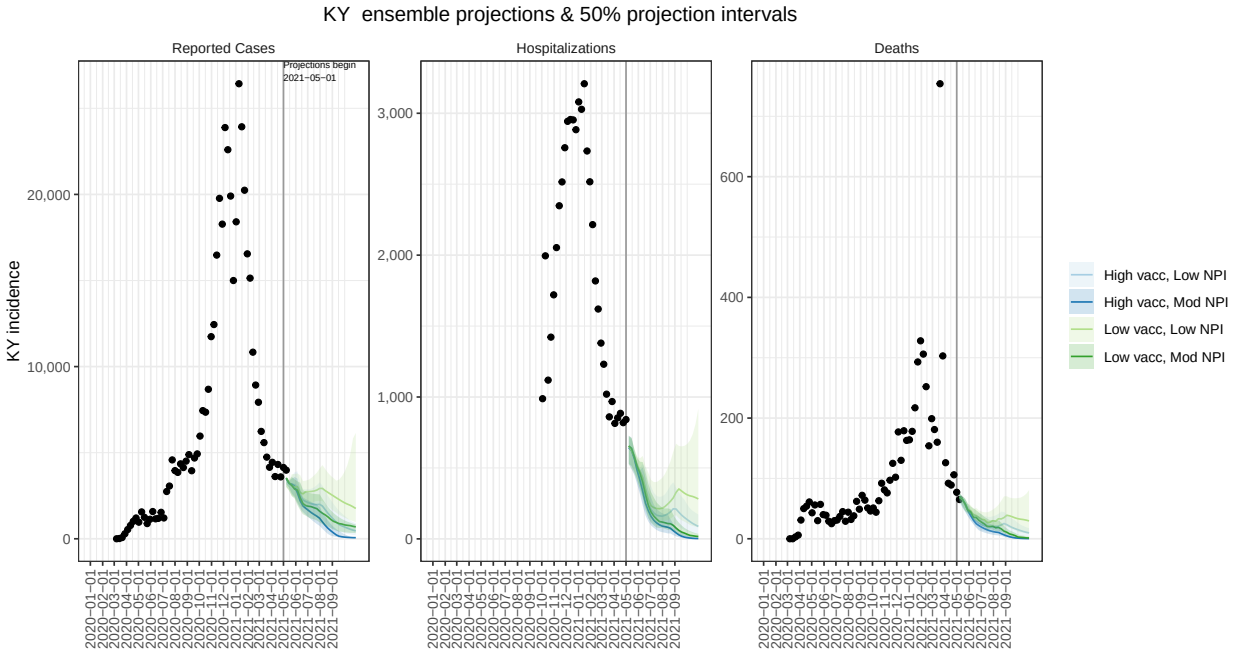

ID ensemble projections & 50% projection intervals
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
ID incidence
High vacc, Low NPI
High vacc, Mod NPI
Low vacc, Low NPI
Low vacc, Mod NPI

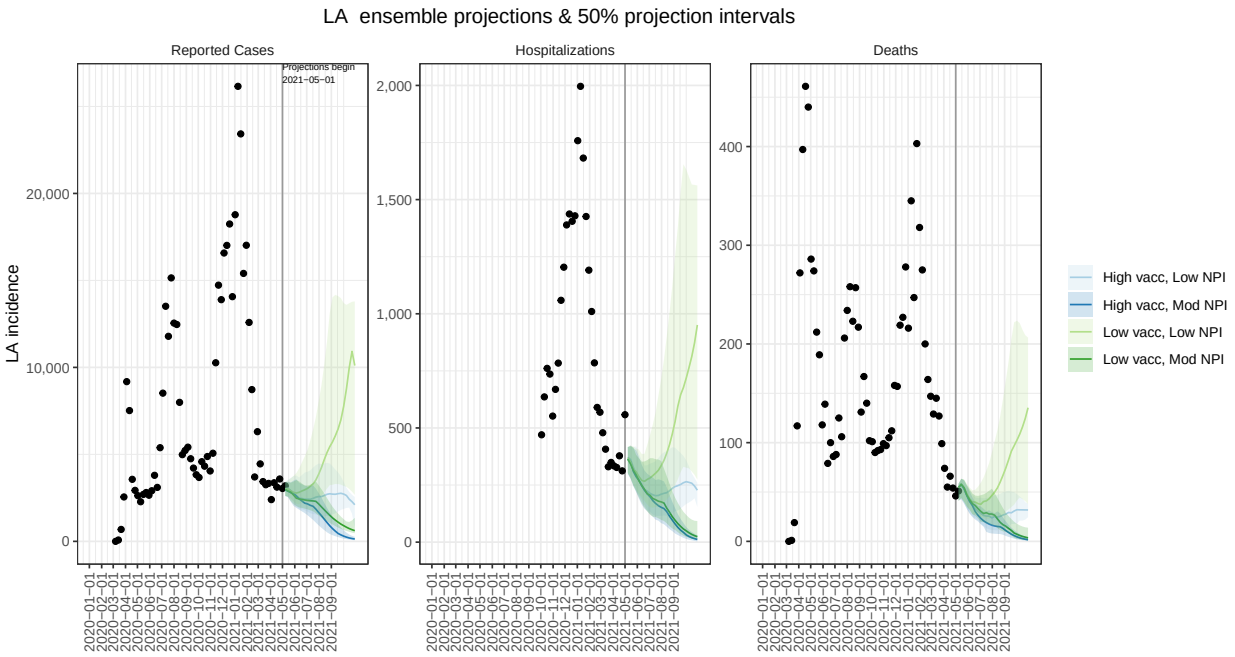

IL ensemble projections & 50% projection intervals
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
IL incidence
High vacc, Low NPI
High vacc, Mod NPI
Low vacc, Low NPI
Low vacc, Mod NPI

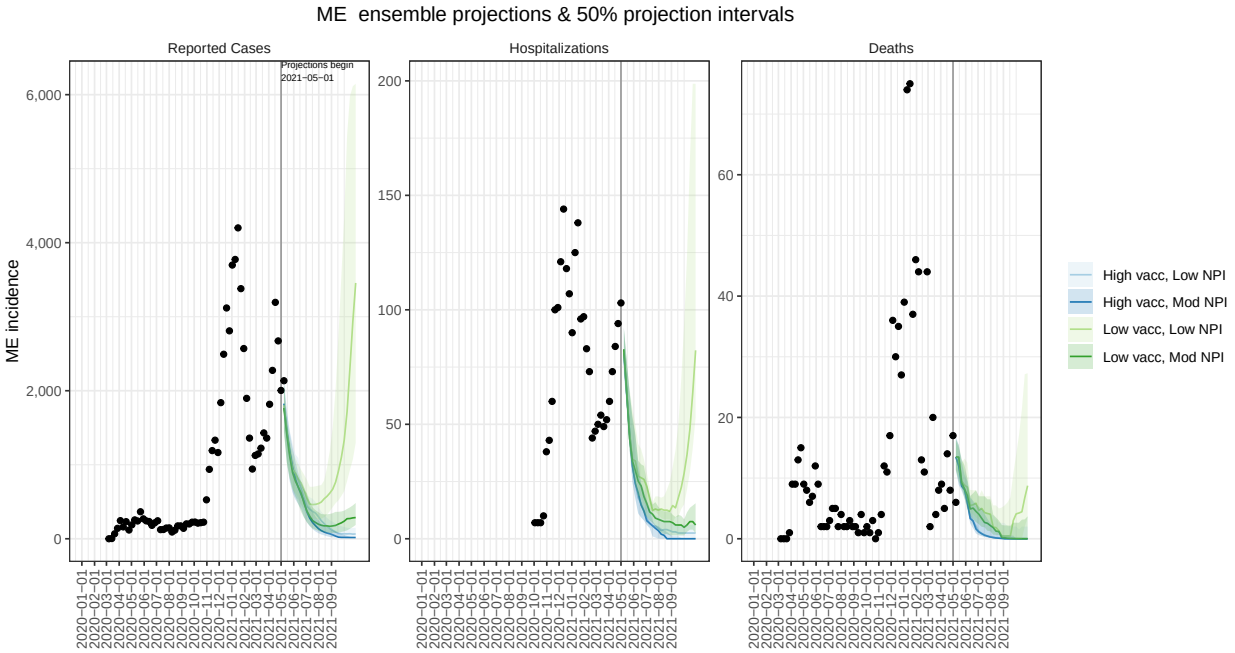

IN ensemble projections & 50% projection intervals
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
IN incidence
High vacc, Low NPI
High vacc, Mod NPI
Low vacc, Low NPI
Low vacc, Mod NPI

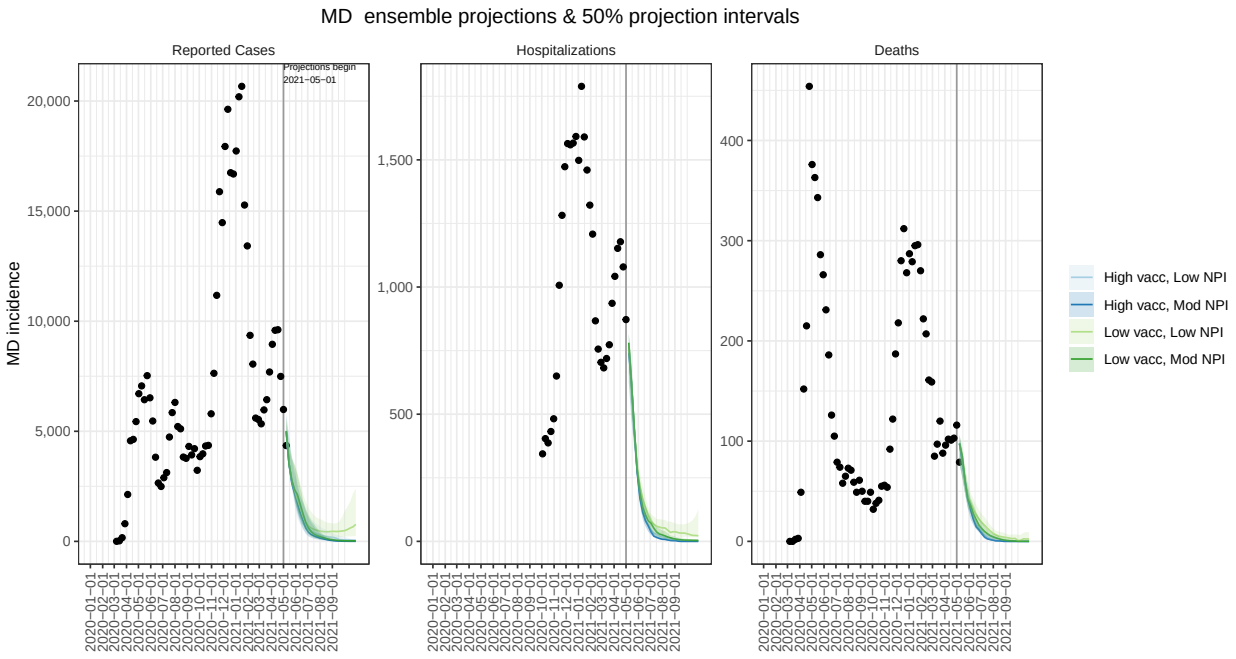

IA ensemble projections & 50% projection intervals
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
IA incidence
High vacc, Low NPI
High vacc, Mod NPI
Low vacc, Low NPI
Low vacc, Mod NPI

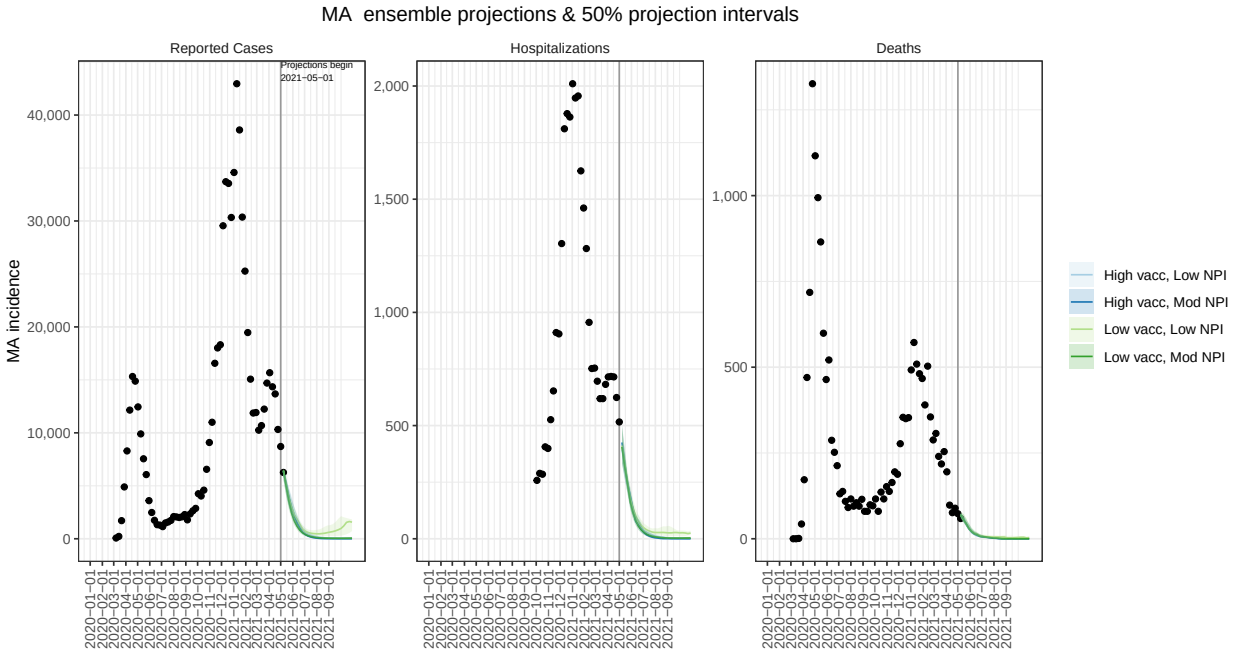

KS ensemble projections & 50% projection intervals
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
KS incidence
High vacc, Low NPI
High vacc, Mod NPI
Low vacc, Low NPI
Low vacc, Mod NPI

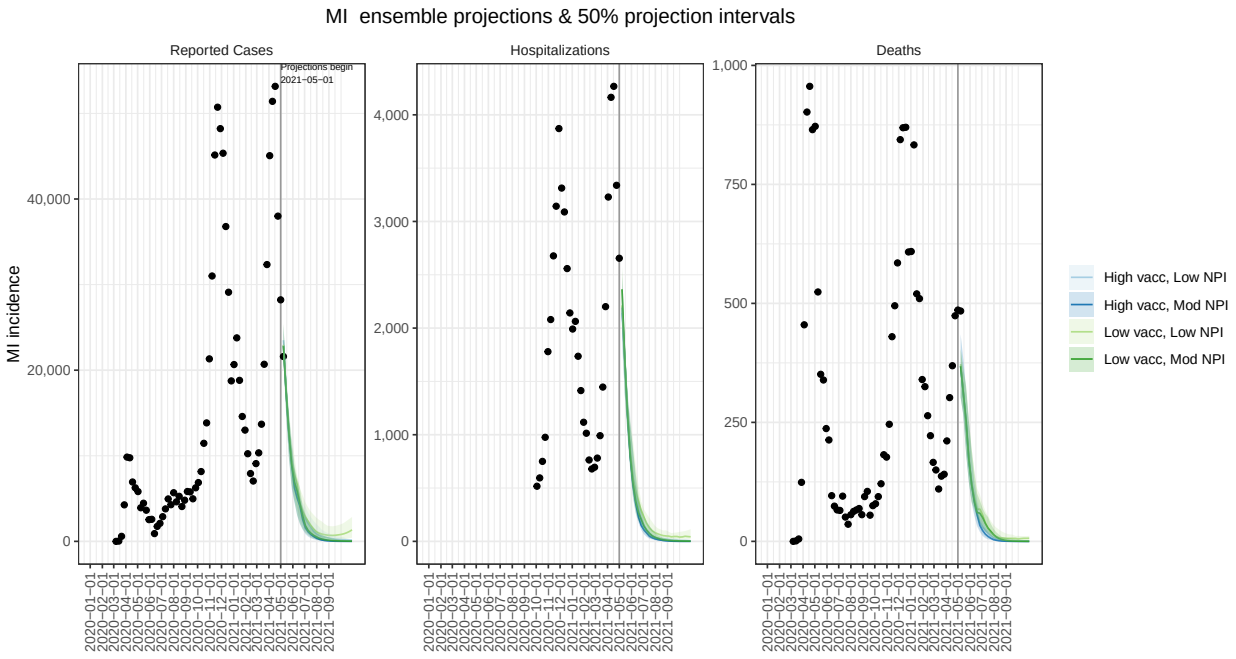

KY ensemble projections & 50% projection intervals
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
KY incidence
High vacc, Low NPI
High vacc, Mod NPI
Low vacc, Low NPI
Low vacc, Mod NPI

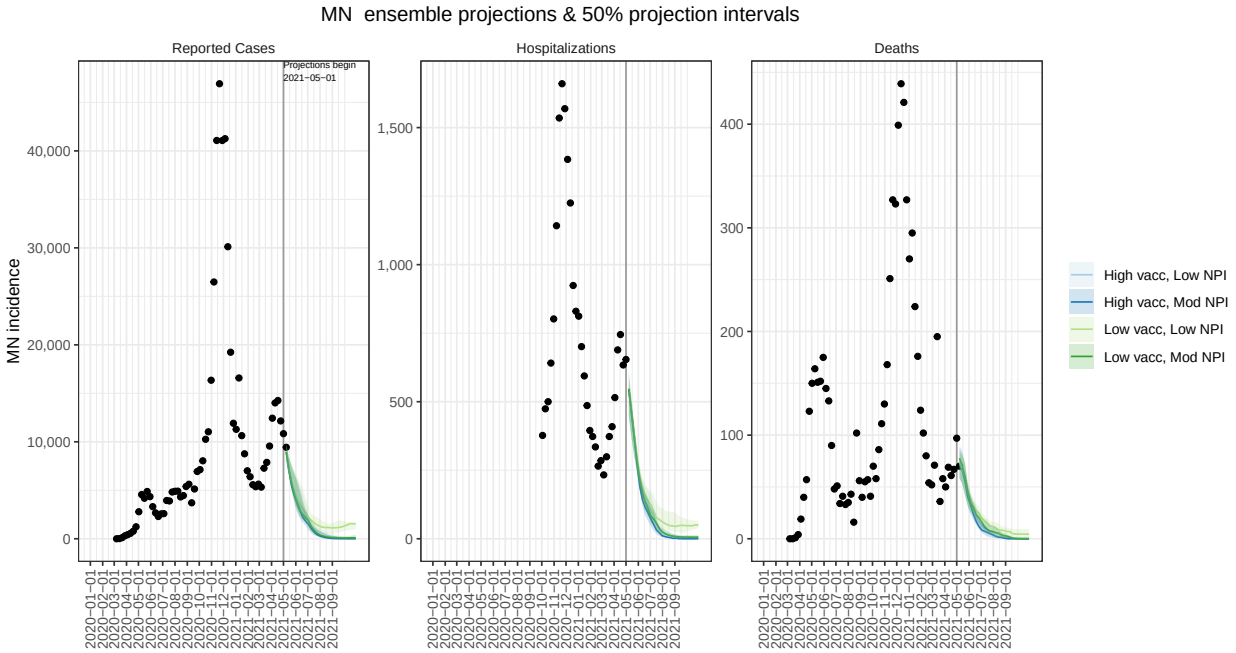

LA ensemble projections & 50% projection intervals
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
LA incidence
High vacc, Low NPI
High vacc, Mod NPI
Low vacc, Low NPI
Low vacc, Mod NPI

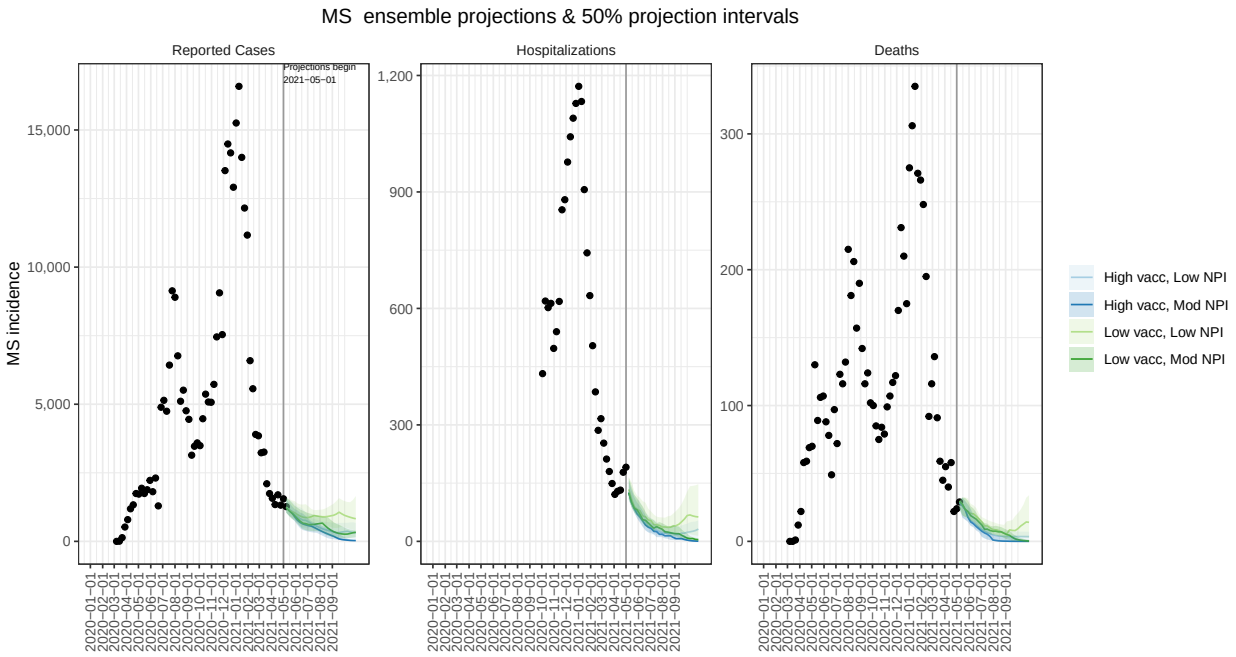

ME ensemble projections & 50% projection intervals
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
ME incidence
High vacc, Low NPI
High vacc, Mod NPI
Low vacc, Low NPI
Low vacc, Mod NPI

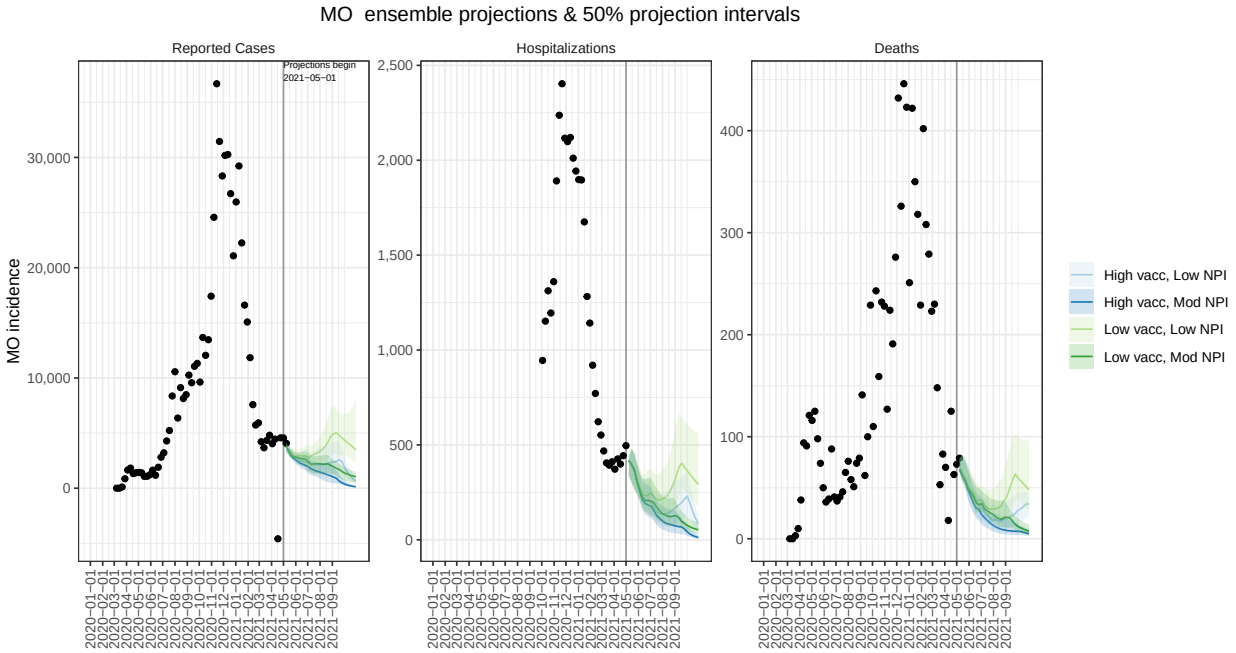

MD ensemble projections & 50% projection intervals
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
MD incidence
High vacc, Low NPI
High vacc, Mod NPI
Low vacc, Low NPI
Low vacc, Mod NPI

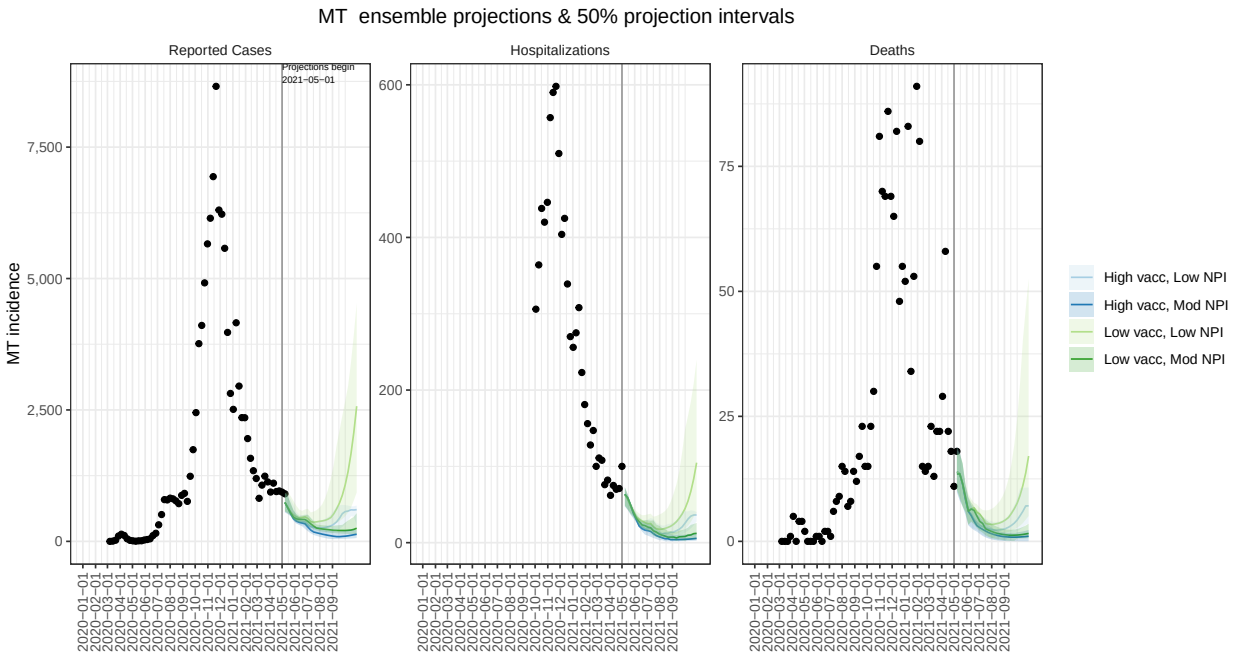

MA ensemble projections & 50% projection intervals
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
MA incidence
High vacc, Low NPI
High vacc, Mod NPI
Low vacc, Low NPI
Low vacc, Mod NPI

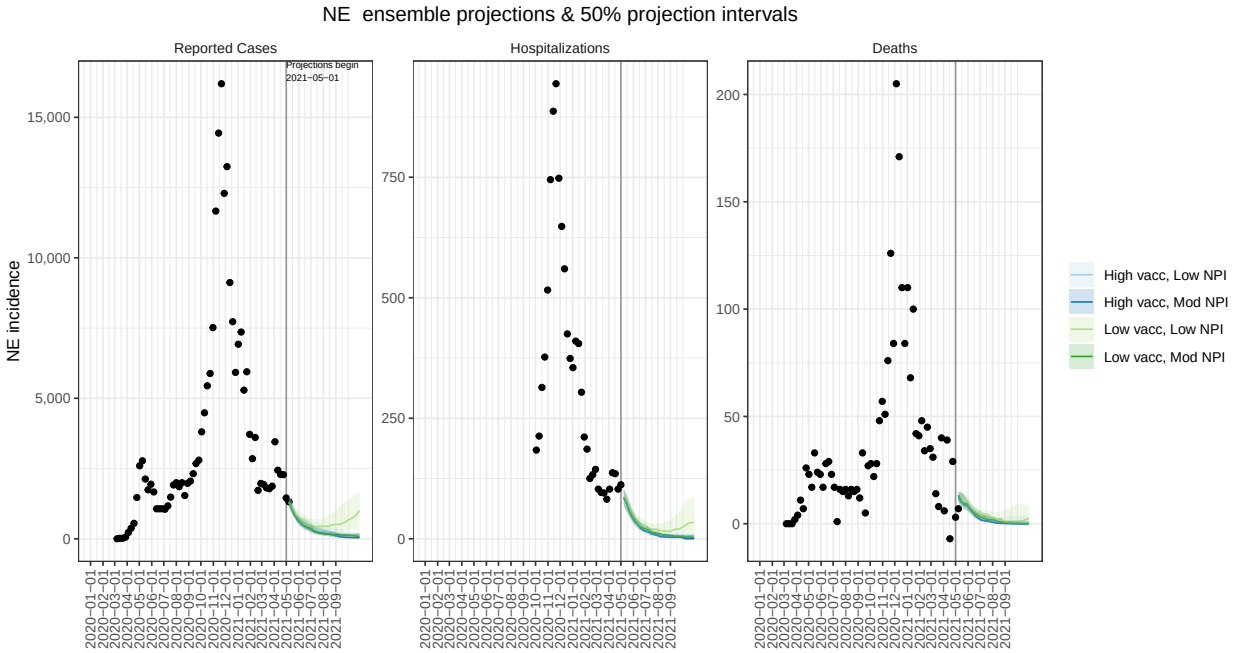

MI ensemble projections & 50% projection intervals
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
MI incidence
High vacc, Low NPI
High vacc, Mod NPI
Low vacc, Low NPI
Low vacc, Mod NPI

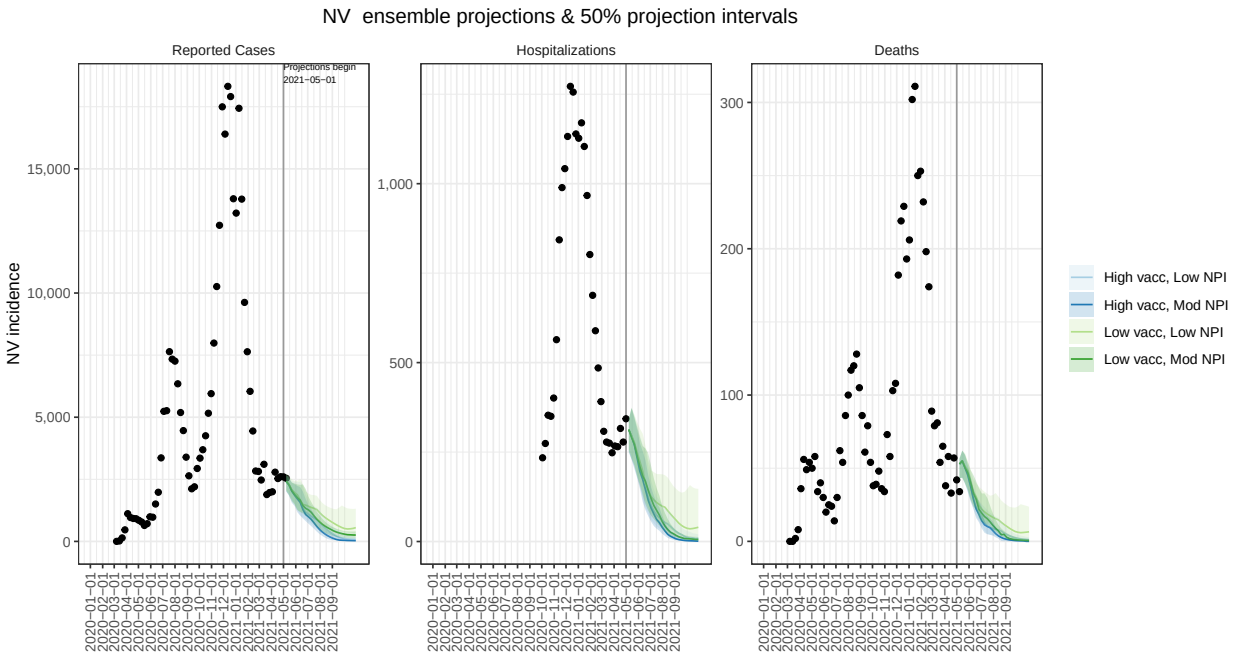

MN ensemble projections & 50% projection intervals
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
MN incidence
High vacc, Low NPI
High vacc, Mod NPI
Low vacc, Low NPI
Low vacc, Mod NPI

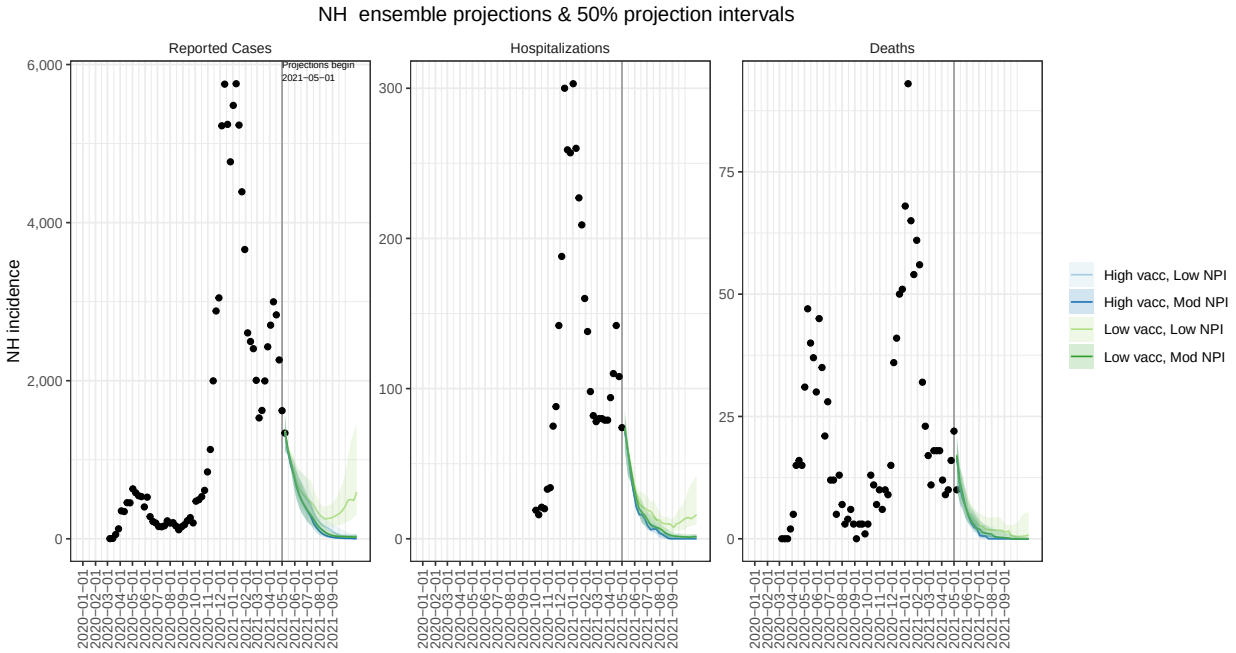

MS ensemble projections & 50% projection intervals
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
MS incidence
High vacc, Low NPI
High vacc, Mod NPI
Low vacc, Low NPI
Low vacc, Mod NPI

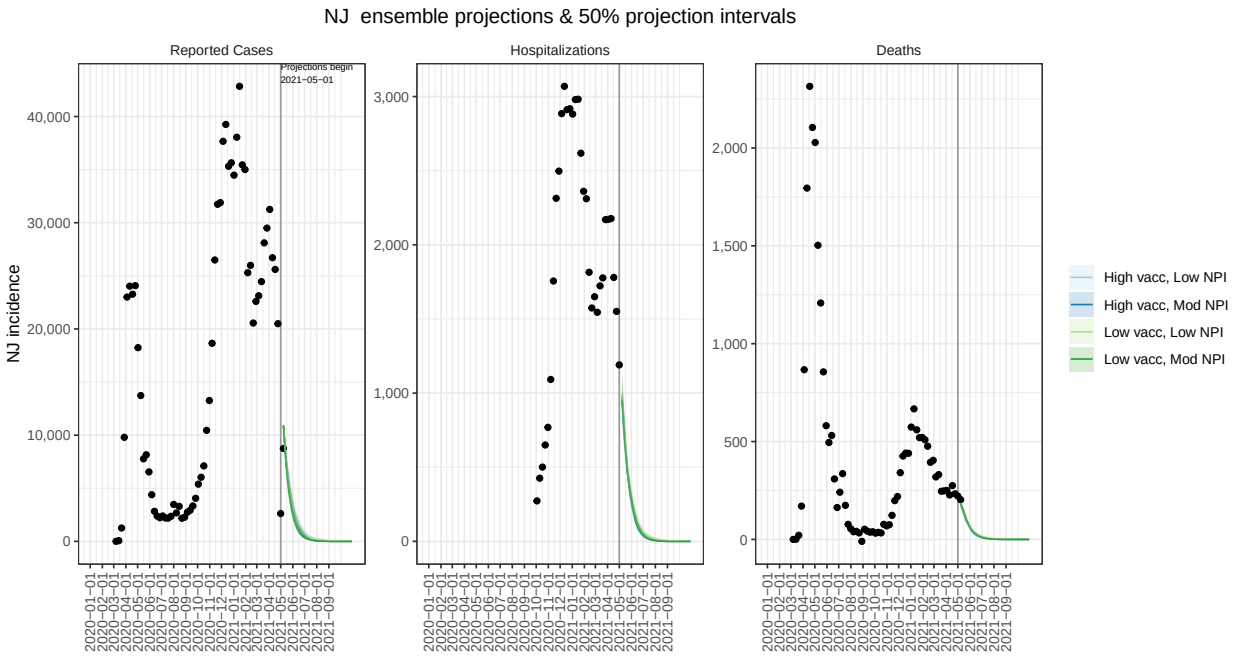

MO ensemble projections & 50% projection intervals
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
MO incidence
High vacc, Low NPI
High vacc, Mod NPI
Low vacc, Low NPI
Low vacc, Mod NPI

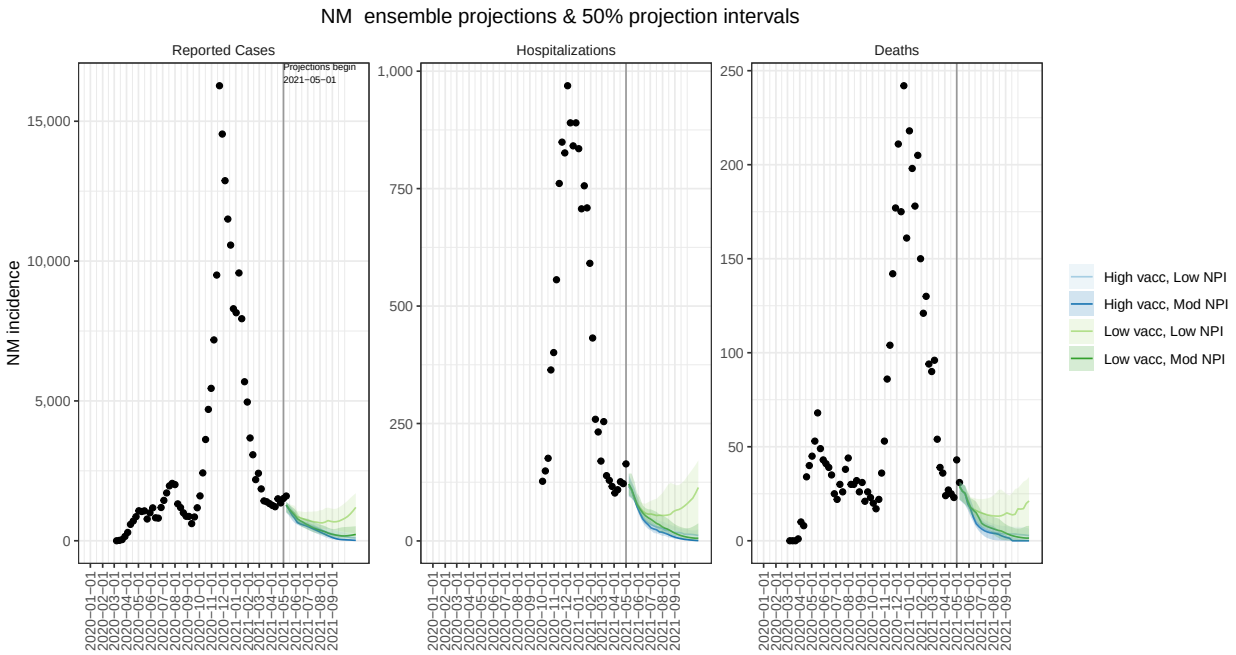

MT ensemble projections & 50% projection intervals
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
MT incidence
High vacc, Low NPI
High vacc, Mod NPI
Low vacc, Low NPI
Low vacc, Mod NPI

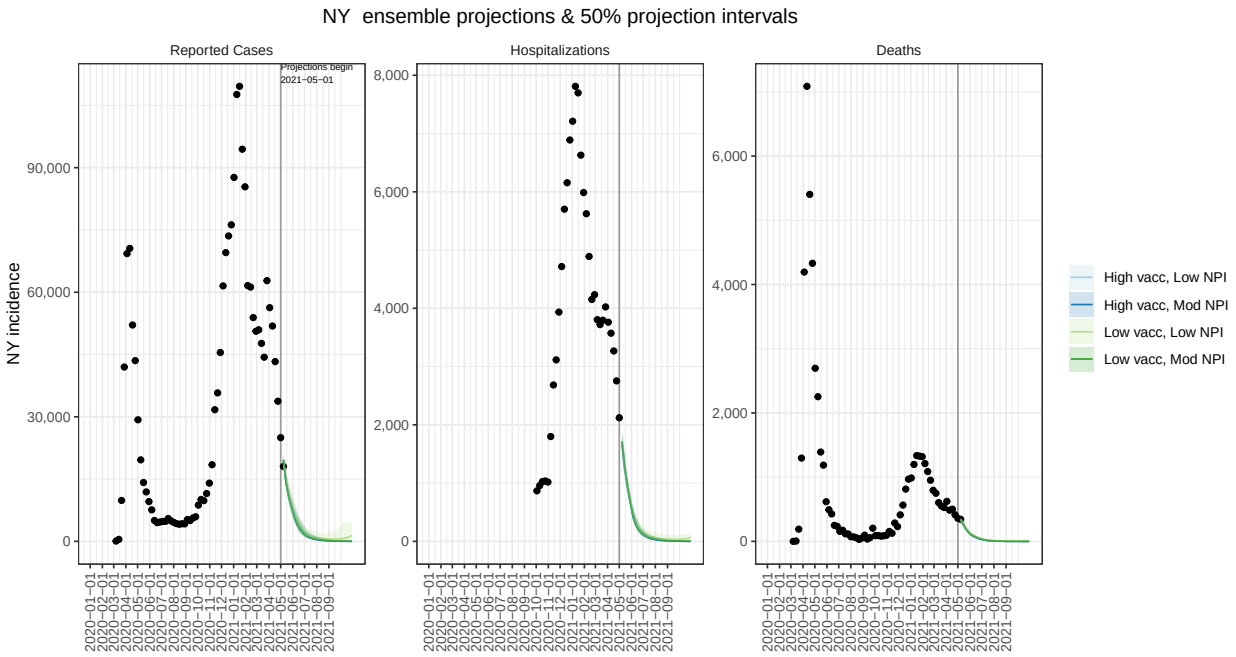

NE ensemble projections & 50% projection intervals
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
NE incidence
High vacc, Low NPI
High vacc, Mod NPI
Low vacc, Low NPI
Low vacc, Mod NPI

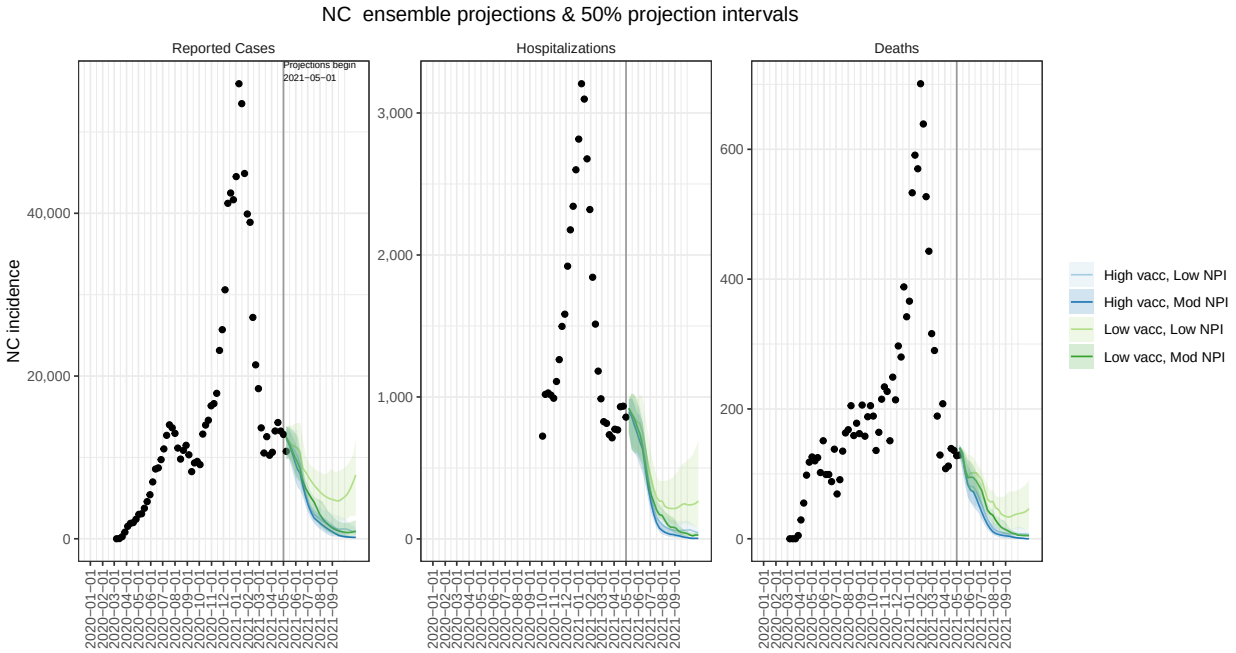

NV ensemble projections & 50% projection intervals
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
NV incidence
High vacc, Low NPI
High vacc, Mod NPI
Low vacc, Low NPI
Low vacc, Mod NPI

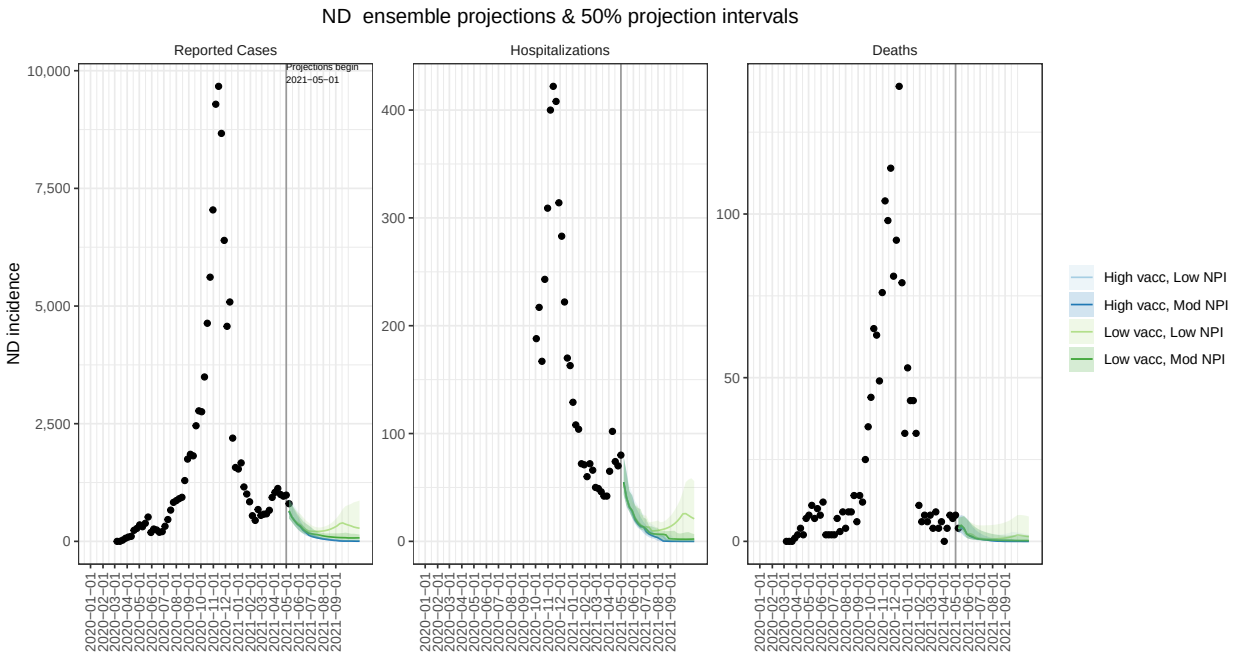

NH ensemble projections & 50% projection intervals
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
NH incidence
High vacc, Low NPI
High vacc, Mod NPI
Low vacc, Low NPI
Low vacc, Mod NPI

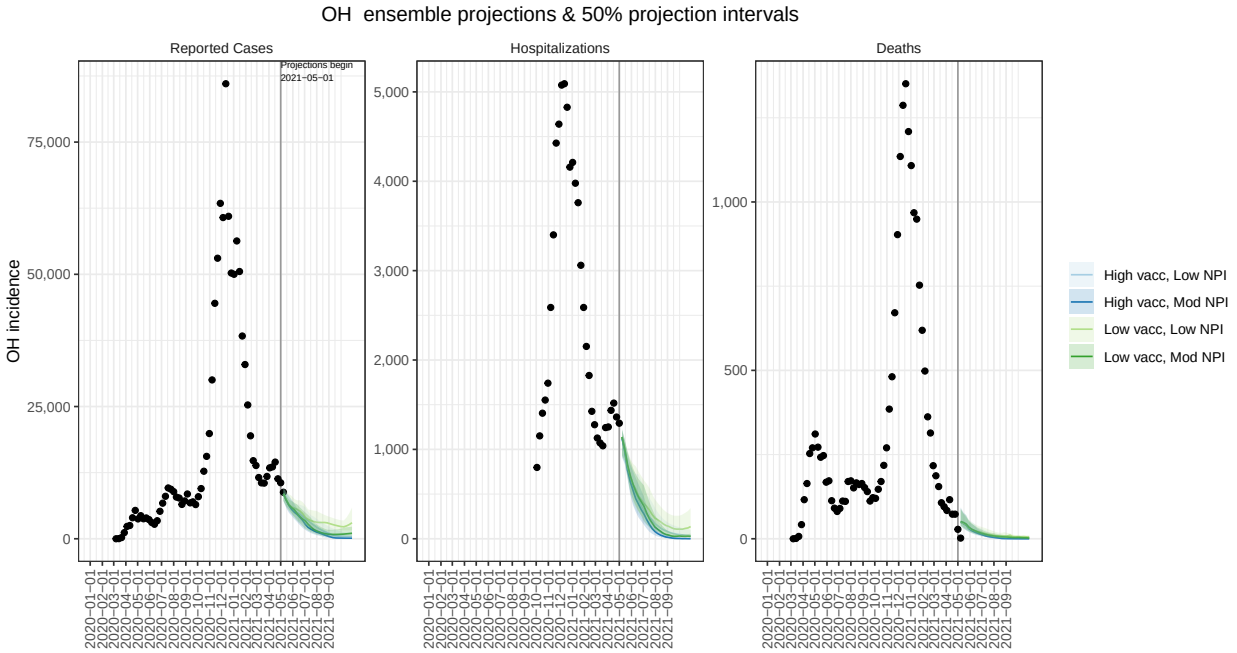

NJ ensemble projections & 50% projection intervals
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
NJ incidence
High vacc, Low NPI
High vacc, Mod NPI
Low vacc, Low NPI
Low vacc, Mod NPI

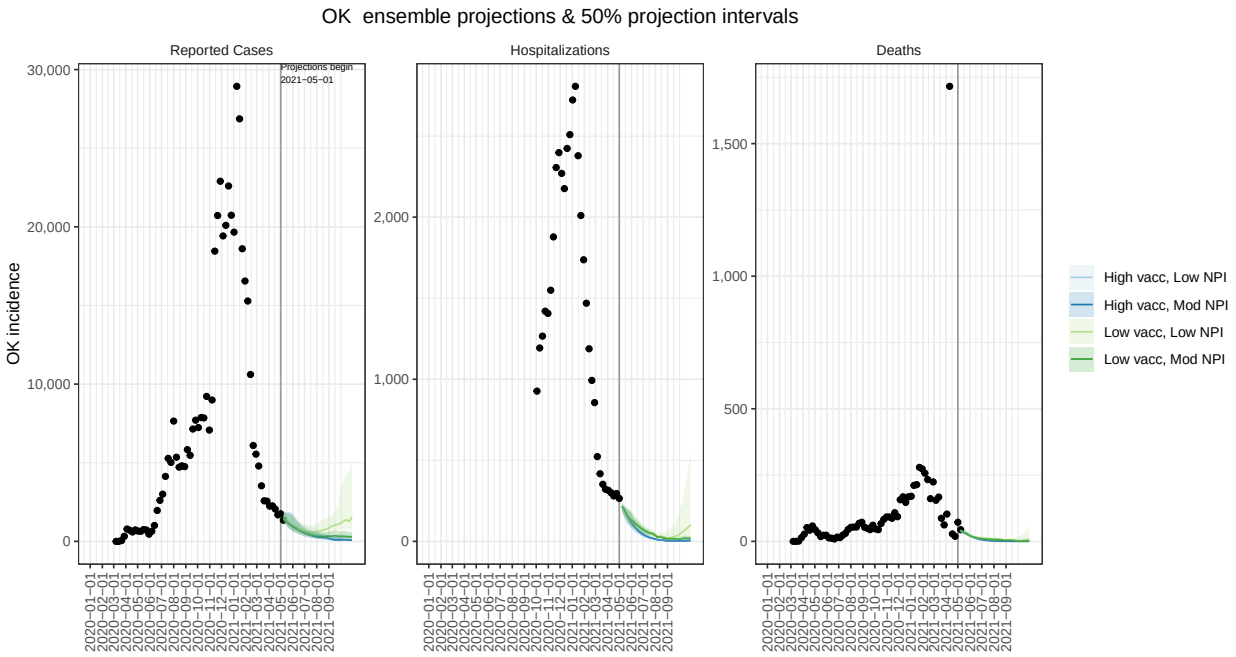

NM ensemble projections & 50% projection intervals
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
NM incidence
High vacc, Low NPI
High vacc, Mod NPI
Low vacc, Low NPI
Low vacc, Mod NPI

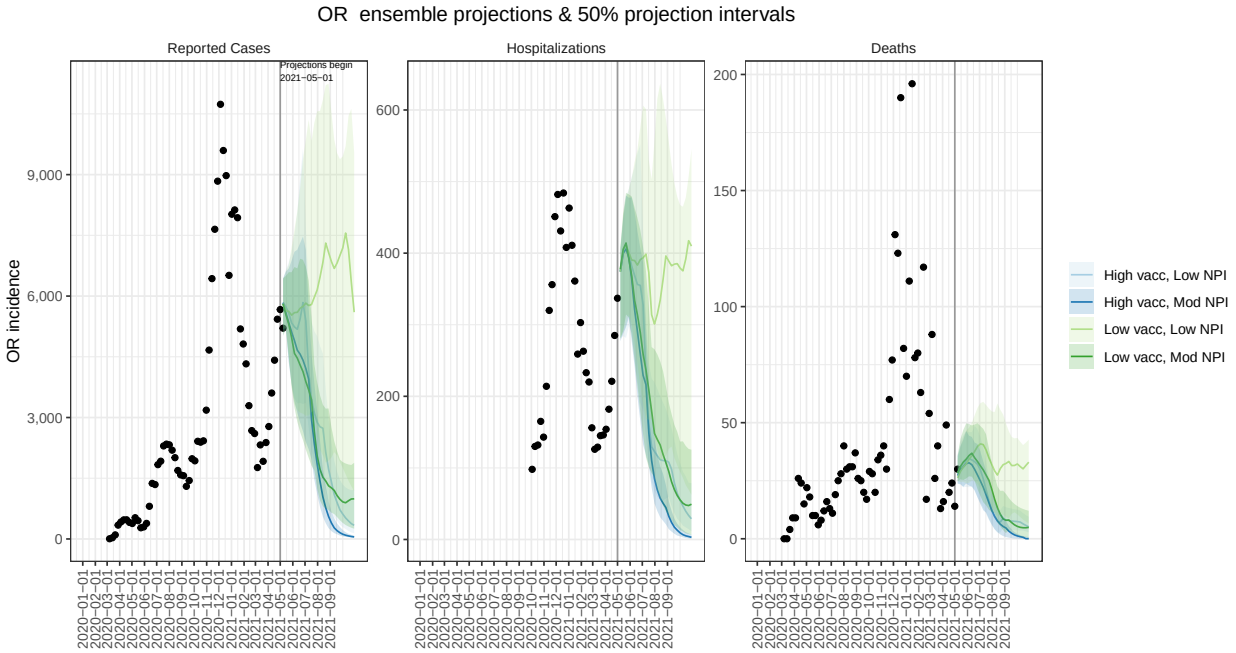

NY ensemble projections & 50% projection intervals
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
NY incidence
High vacc, Low NPI
High vacc, Mod NPI
Low vacc, Low NPI
Low vacc, Mod NPI

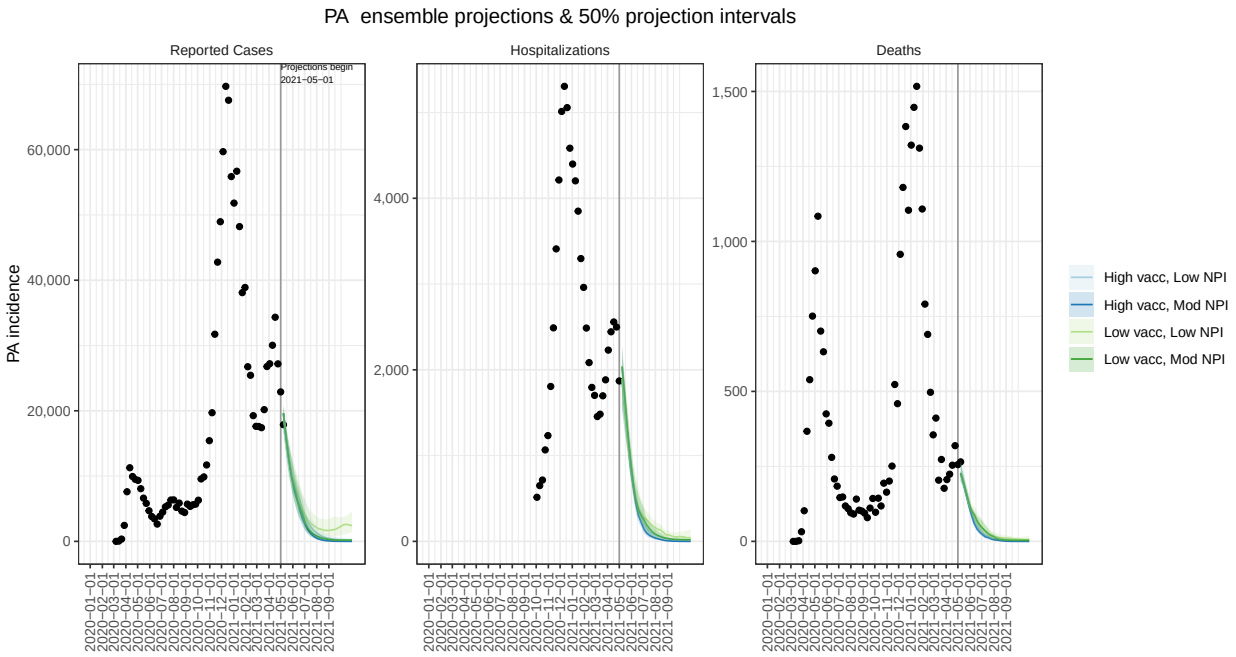

NC ensemble projections & 50% projection intervals
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
NC incidence
High vacc, Low NPI
High vacc, Mod NPI
Low vacc, Low NPI
Low vacc, Mod NPI

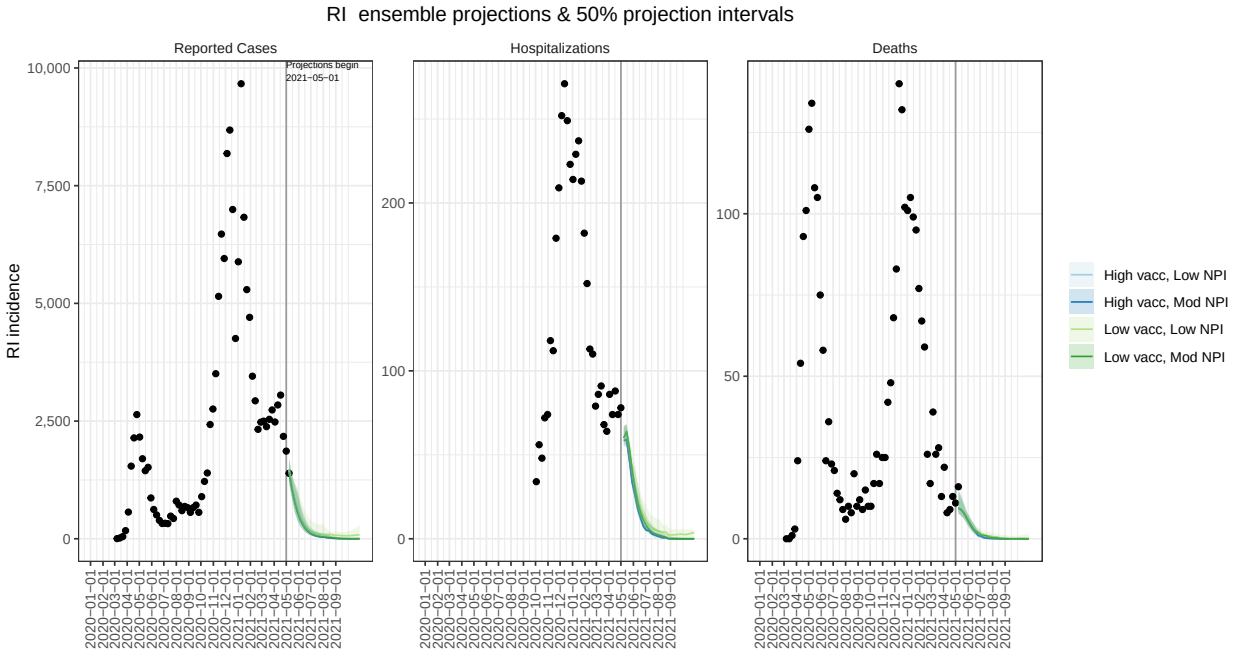

ND ensemble projections & 50% projection intervals
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
ND incidence
High vacc, Low NPI
High vacc, Mod NPI
Low vacc, Low NPI
Low vacc, Mod NPI

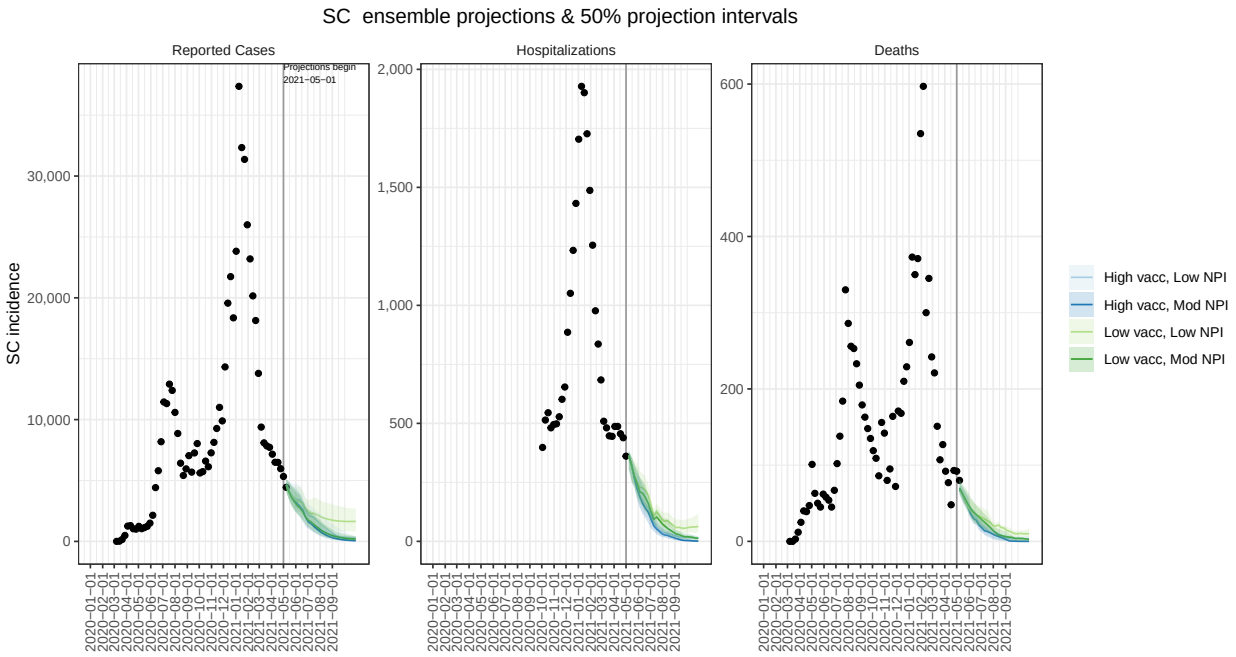

OH ensemble projections & 50% projection intervals
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
OH incidence
High vacc, Low NPI
High vacc, Mod NPI
Low vacc, Low NPI
Low vacc, Mod NPI

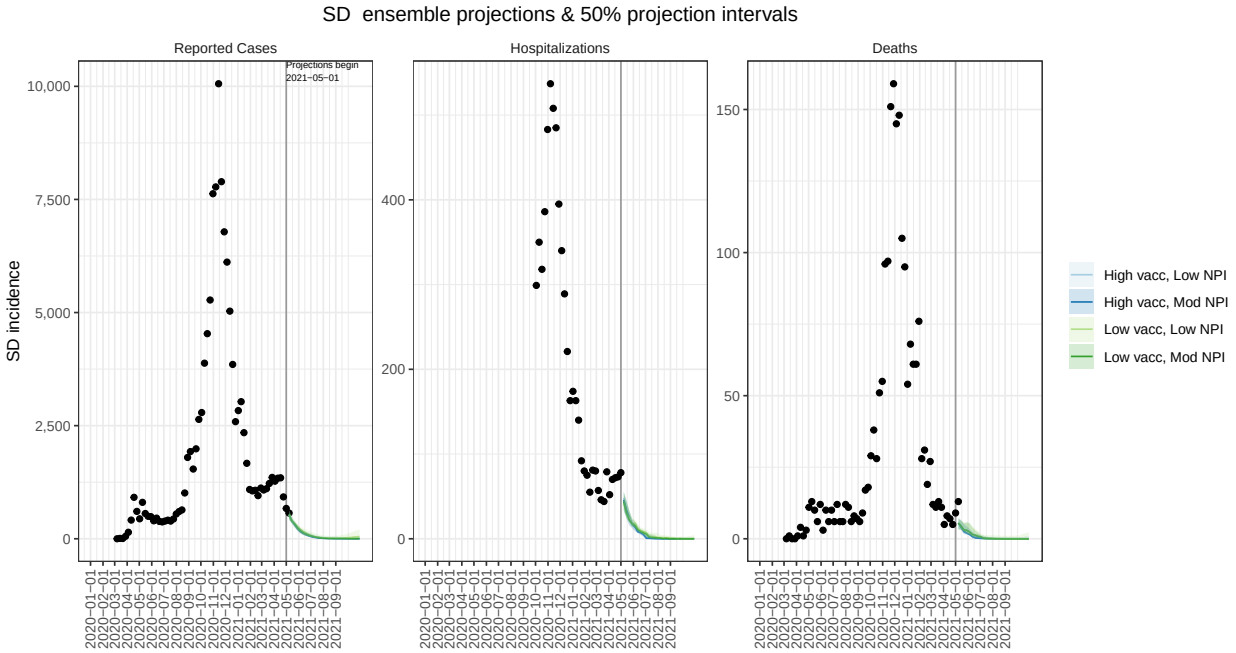

OK ensemble projections & 50% projection intervals
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
OK incidence
High vacc, Low NPI
High vacc, Mod NPI
Low vacc, Low NPI
Low vacc, Mod NPI

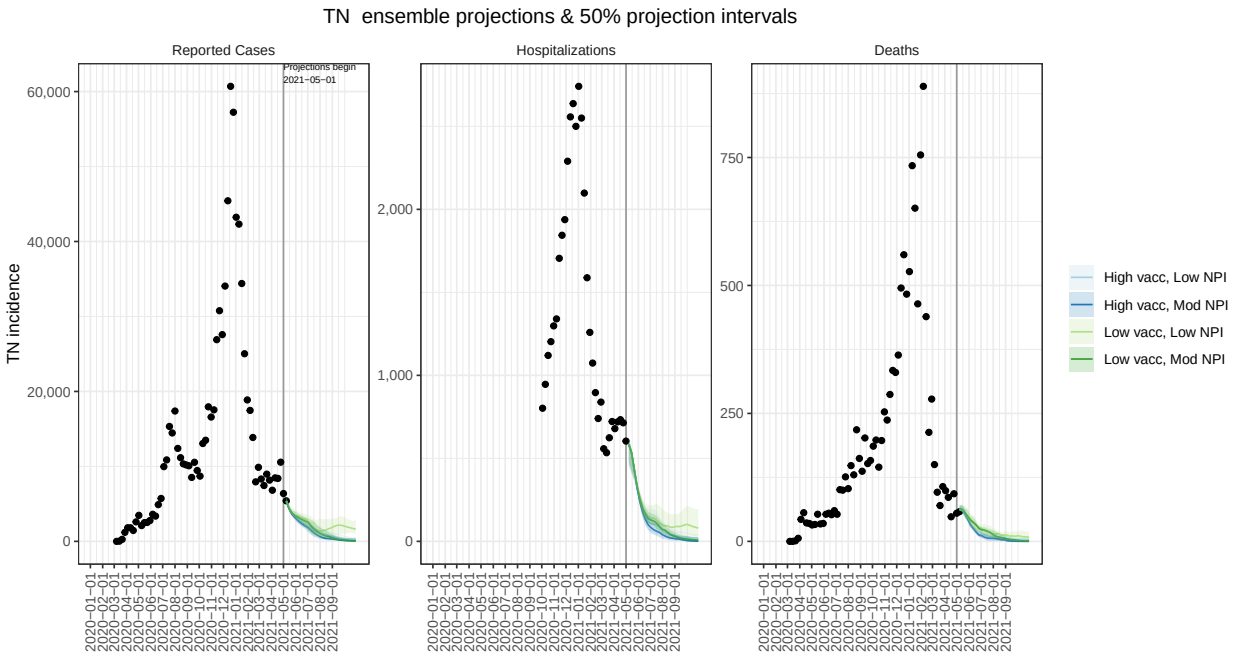

OR ensemble projections & 50% projection intervals
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
OR incidence
High vacc, Low NPI
High vacc, Mod NPI
Low vacc, Low NPI
Low vacc, Mod NPI

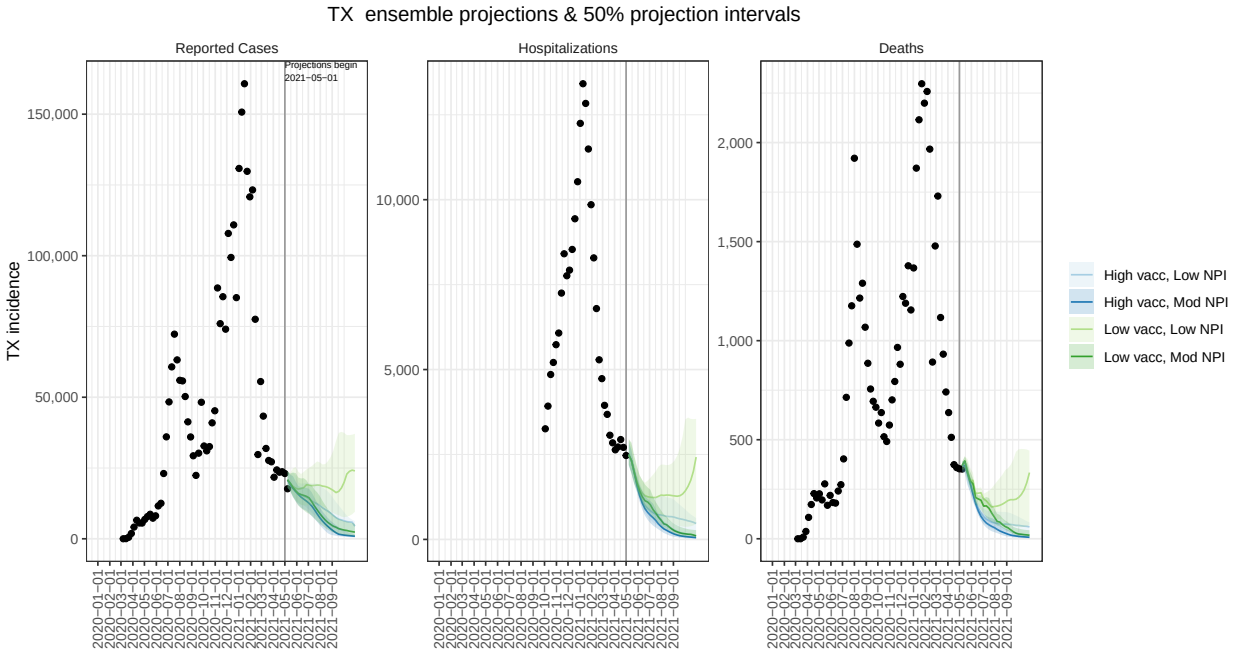

PA ensemble projections & 50% projection intervals
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
PA incidence
High vacc, Low NPI
High vacc, Mod NPI
Low vacc, Low NPI
Low vacc, Mod NPI

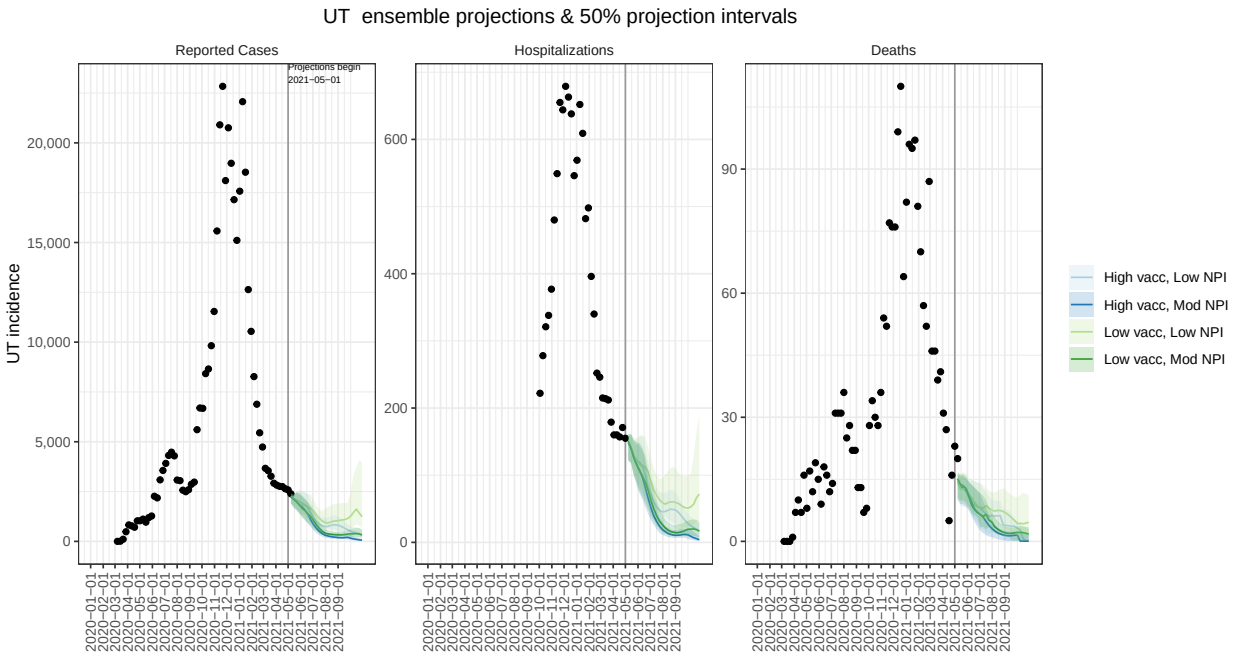

RI ensemble projections & 50% projection intervals
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
RI incidence
High vacc, Low NPI
High vacc, Mod NPI
Low vacc, Low NPI
Low vacc, Mod NPI

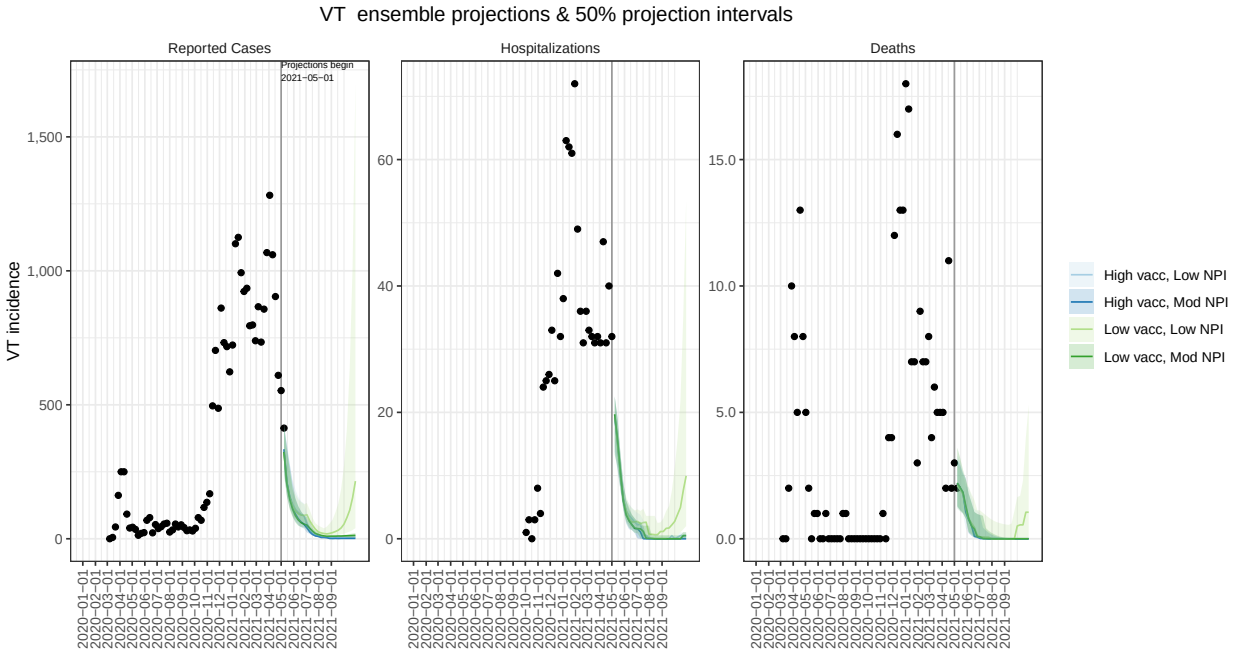

SC ensemble projections & 50% projection intervals
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
SC incidence
High vacc, Low NPI
High vacc, Mod NPI
Low vacc, Low NPI
Low vacc, Mod NPI

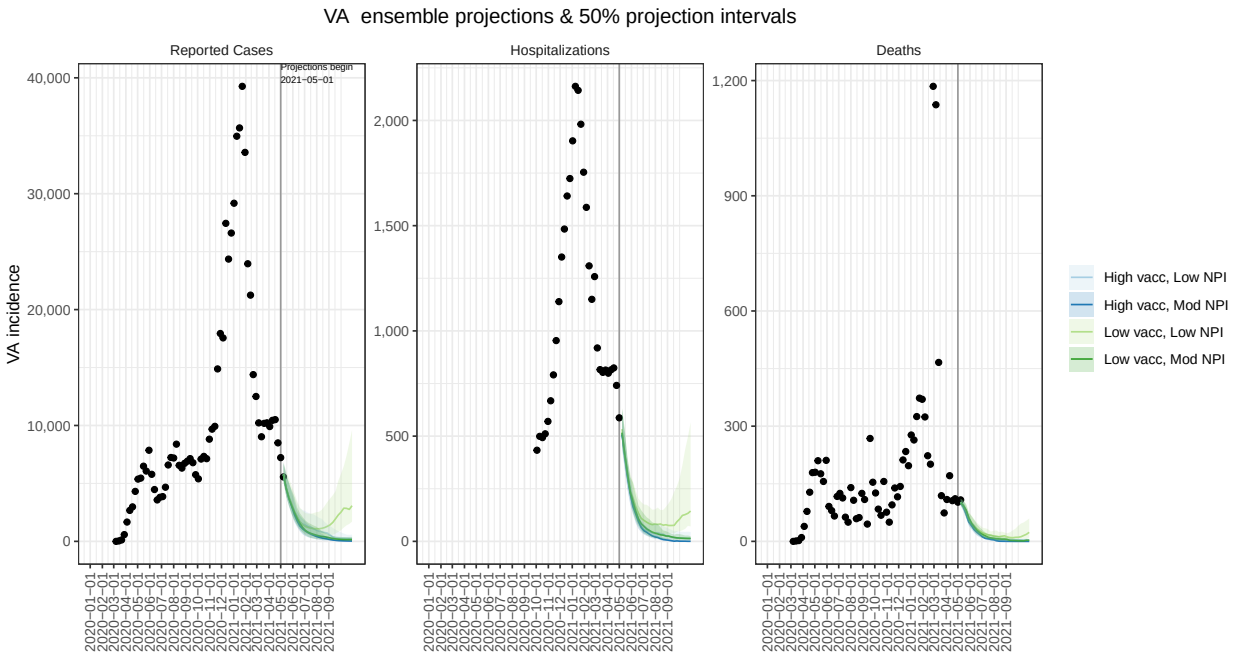

SD ensemble projections & 50% projection intervals
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
SD incidence
High vacc, Low NPI
High vacc, Mod NPI
Low vacc, Low NPI
Low vacc, Mod NPI

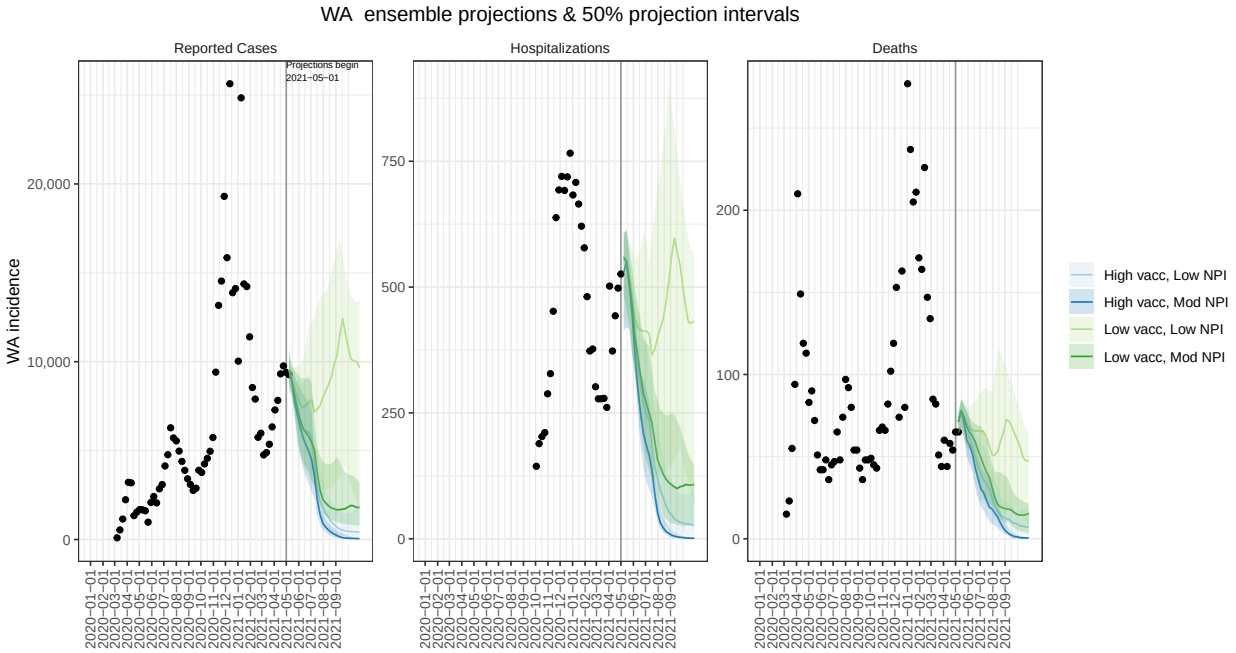

TN ensemble projections & 50% projection intervals
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
TN incidence
High vacc, Low NPI
High vacc, Mod NPI
Low vacc, Low NPI
Low vacc, Mod NPI

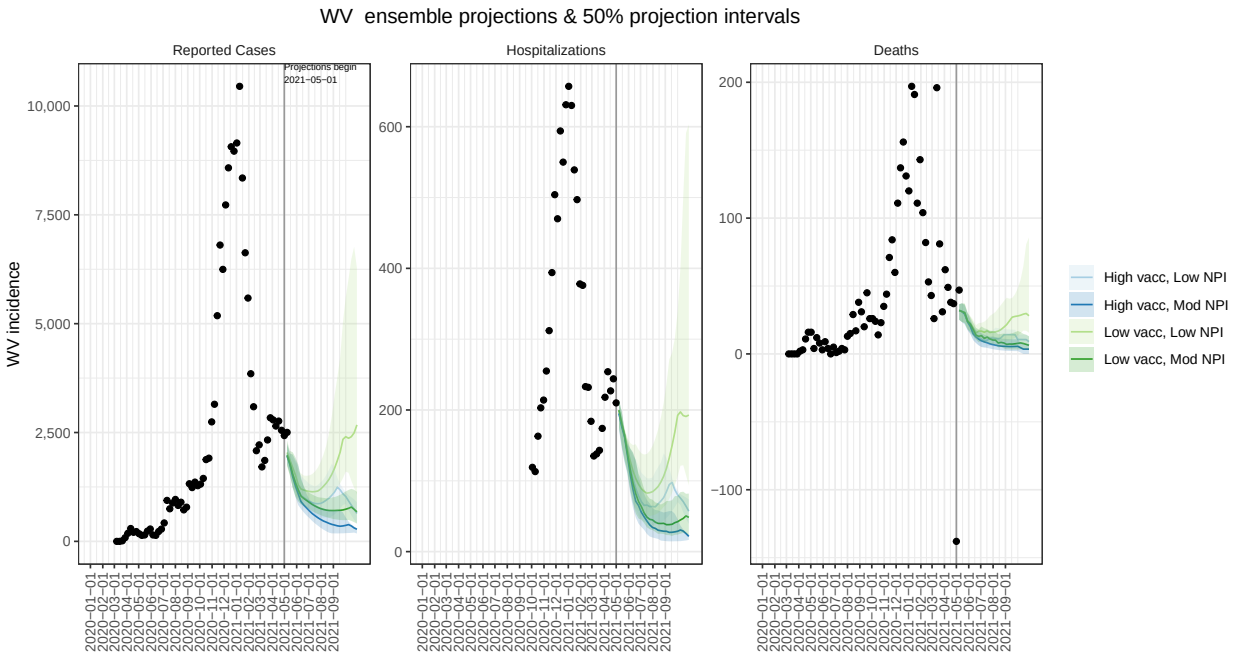

TX ensemble projections & 50% projection intervals
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
TX incidence
High vacc, Low NPI
High vacc, Mod NPI
Low vacc, Low NPI
Low vacc, Mod NPI

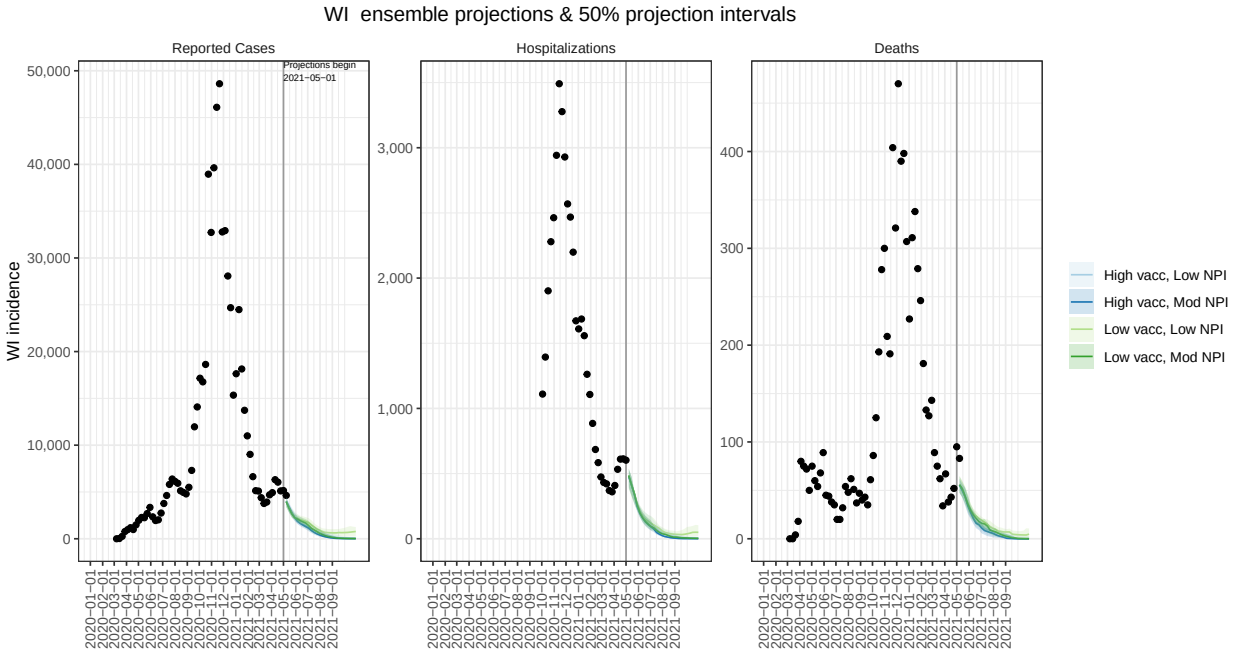

UT ensemble projections & 50% projection intervals
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
UT incidence
High vacc, Low NPI
High vacc, Mod NPI
Low vacc, Low NPI
Low vacc, Mod NPI

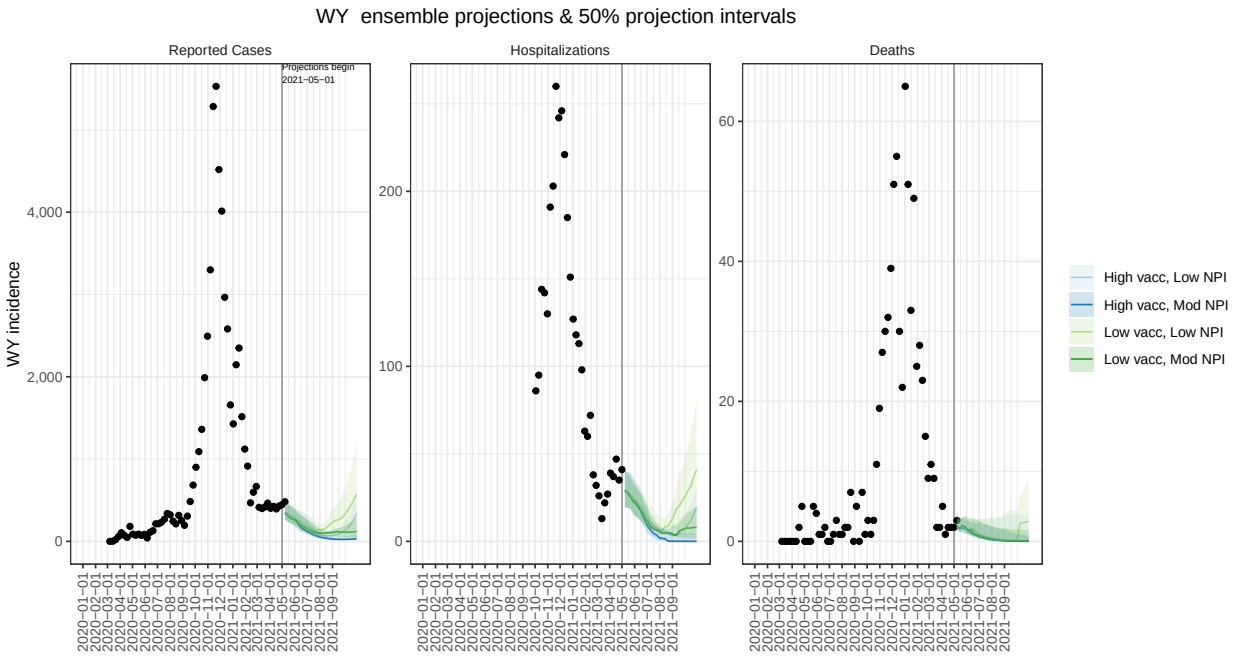

VT ensemble projections & 50% projection intervals
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
VT incidence
High vacc, Low NPI
High vacc, Mod NPI
Low vacc, Low NPI
Low vacc, Mod NPI

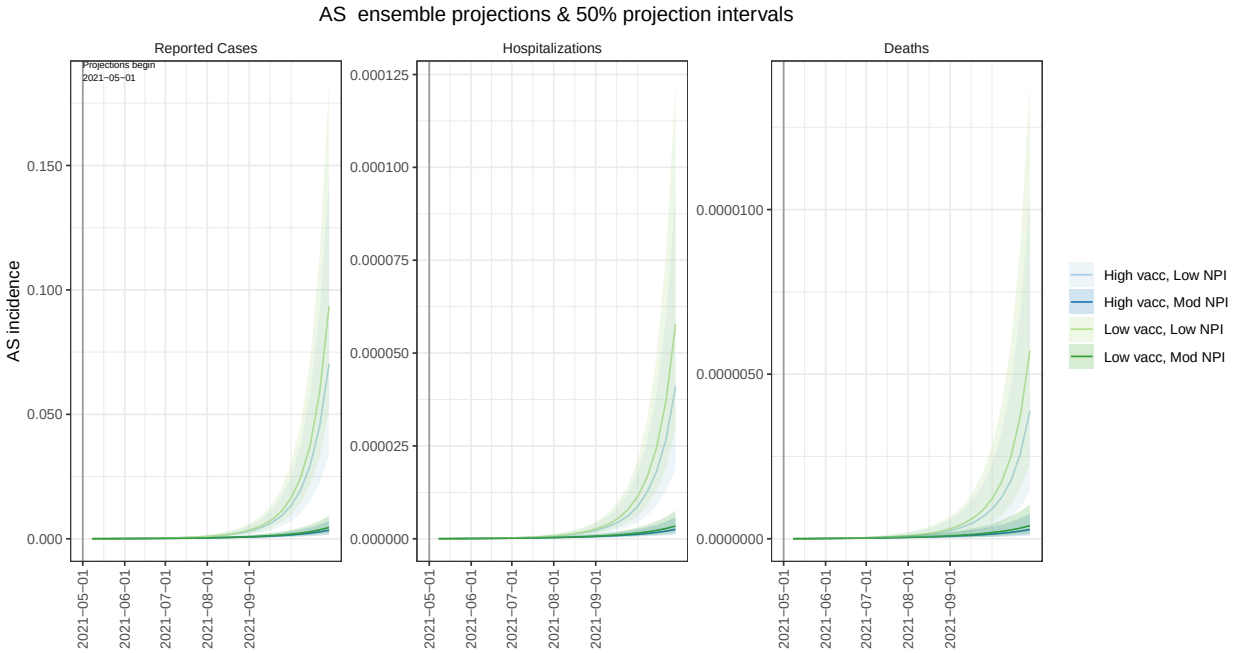

VA ensemble projections & 50% projection intervals
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
VA incidence
High vacc, Low NPI
High vacc, Mod NPI
Low vacc, Low NPI
Low vacc, Mod NPI

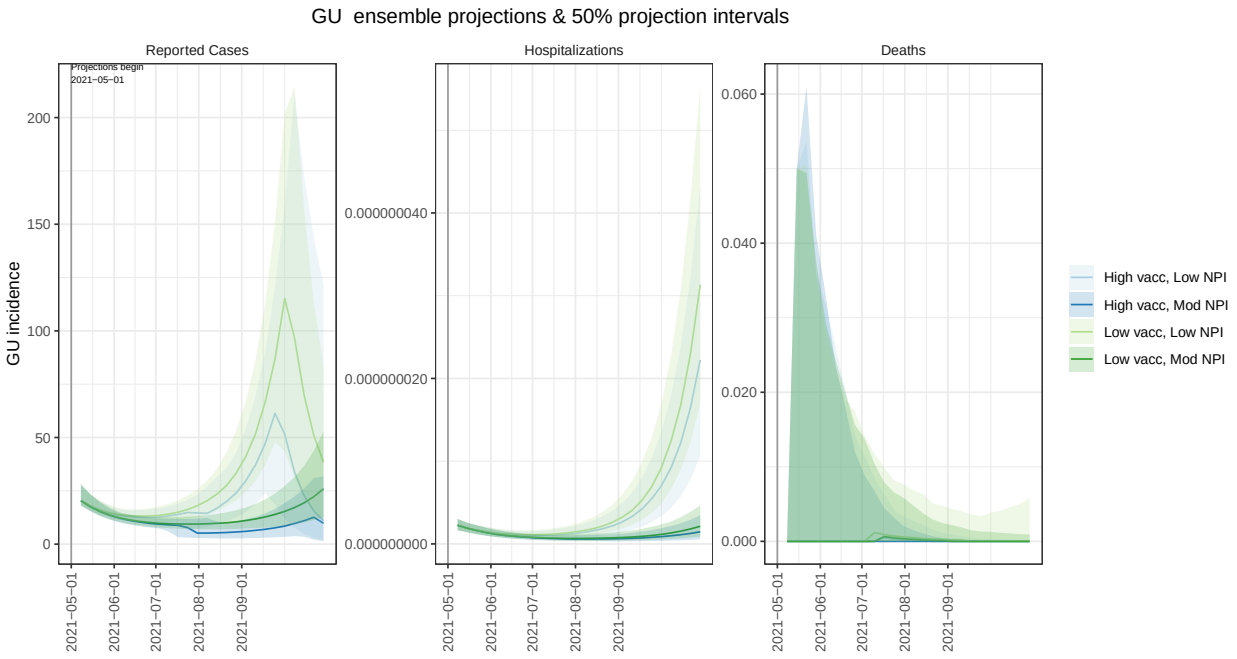

WA ensemble projections & 50% projection intervals
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
WA incidence
High vacc, Low NPI
High vacc, Mod NPI
Low vacc, Low NPI
Low vacc, Mod NPI

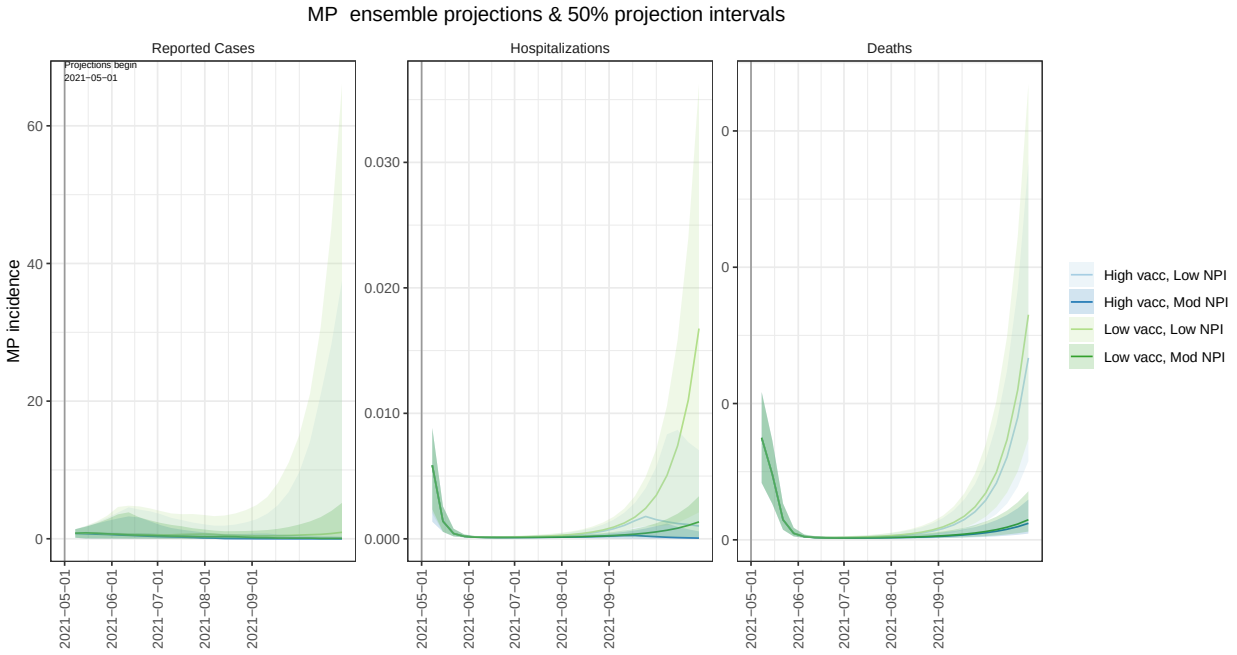

WV ensemble projections & 50% projection intervals
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
WV incidence
High vacc, Low NPI
High vacc, Mod NPI
Low vacc, Low NPI
Low vacc, Mod NPI

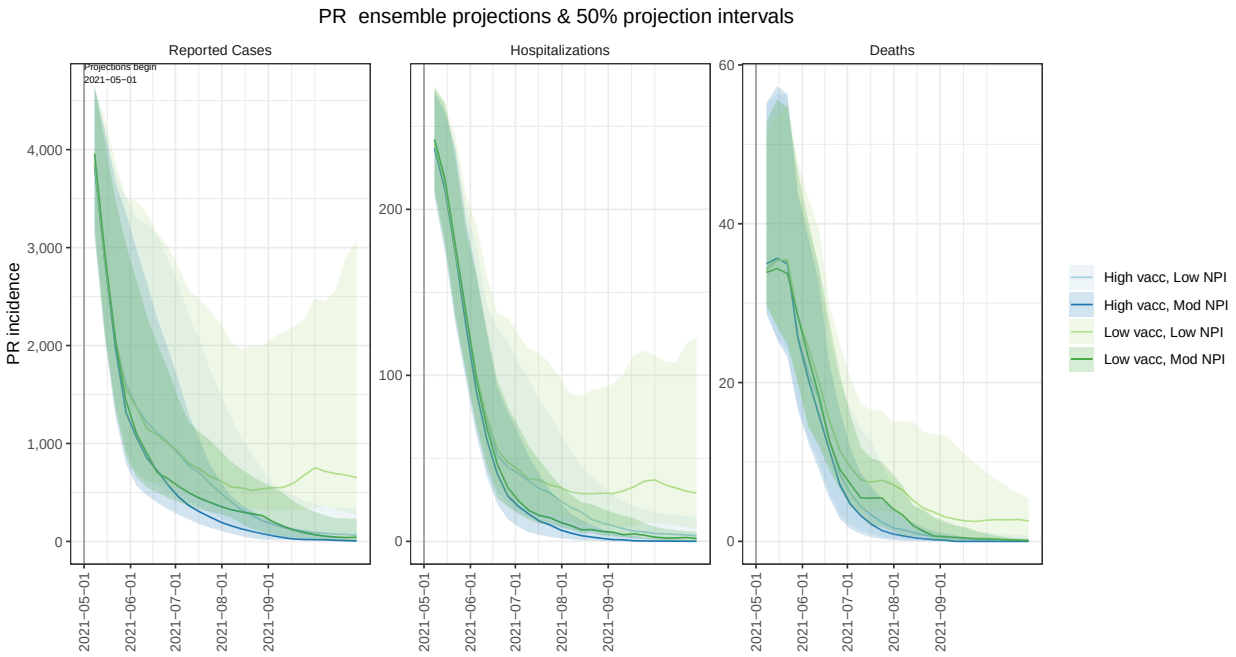

WI ensemble projections & 50% projection intervals
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
WI incidence
High vacc, Low NPI
High vacc, Mod NPI
Low vacc, Low NPI
Low vacc, Mod NPI

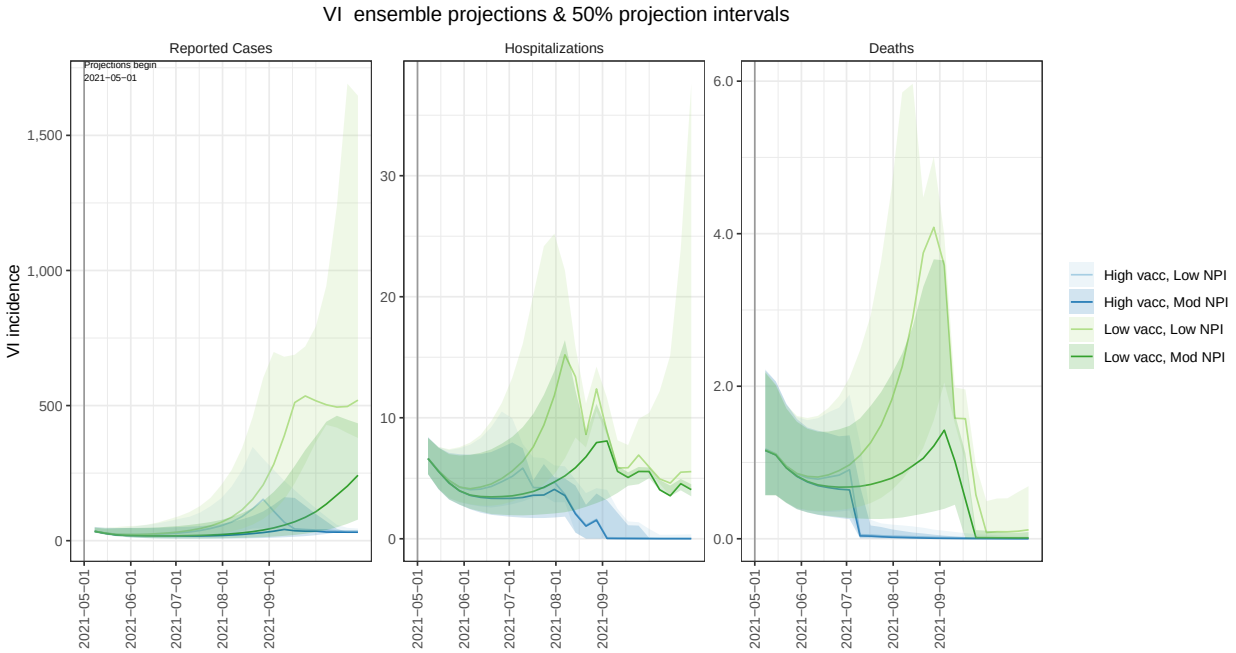

WY ensemble projections & 50% projection intervals
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
WY incidence
High vacc, Low NPI
High vacc, Mod NPI
Low vacc, Low NPI
Low vacc, Mod NPI


AS ensemble projections & 50% projection intervals
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
AS incidence
High vacc, Low NPI
High vacc, Mod NPI
Low vacc, Low NPI
Low vacc, Mod NPI


GU ensemble projections & 50% projection intervals
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
GU incidence
High vacc, Low NPI
High vacc, Mod NPI
Low vacc, Low NPI
Low vacc, Mod NPI

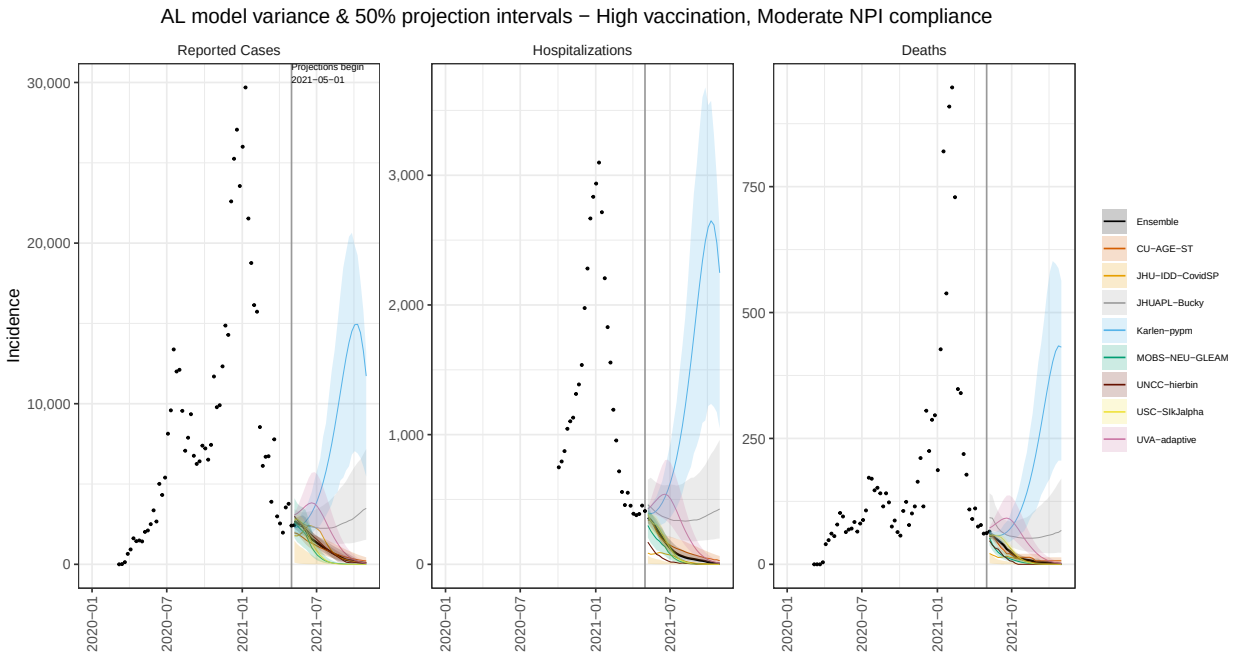

MP ensemble projections & 50% projection intervals
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
MP incidence
High vacc, Low NPI
High vacc, Mod NPI
Low vacc, Low NPI
Low vacc, Mod NPI

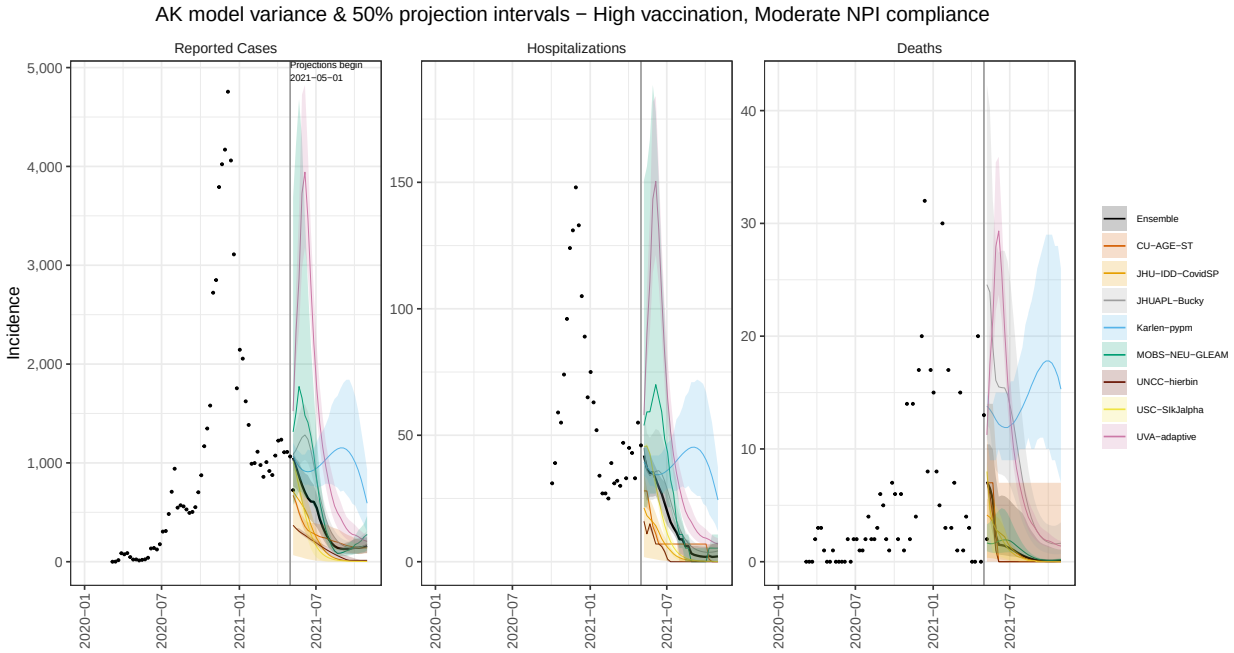


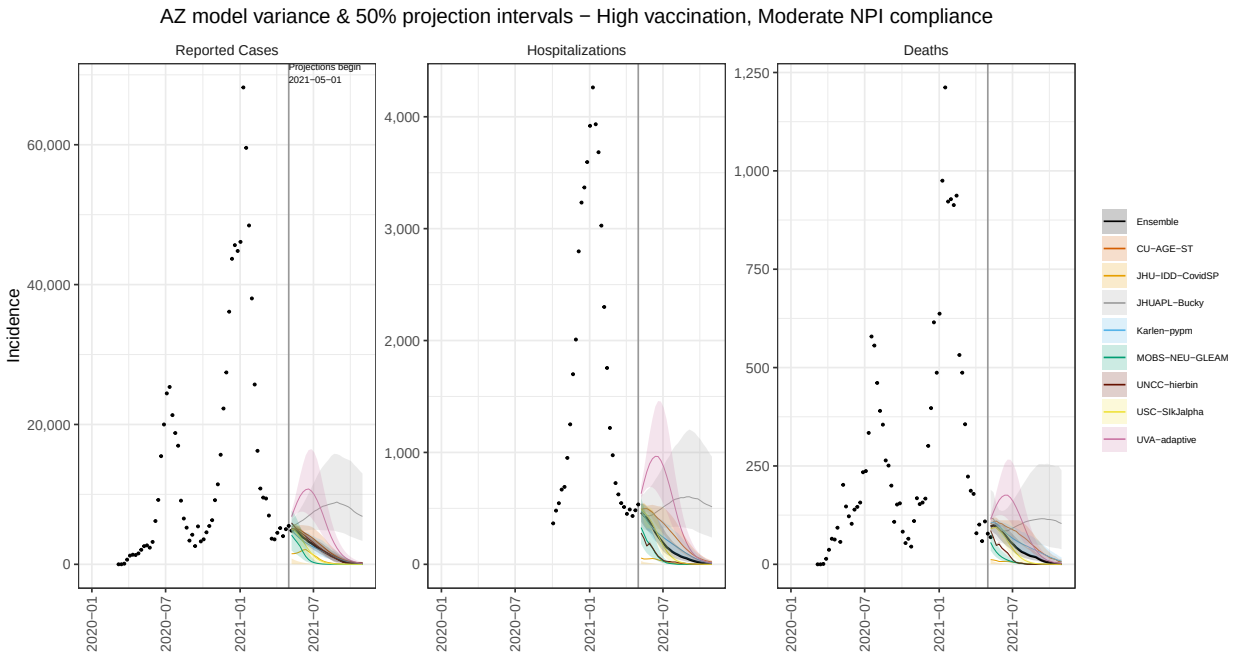


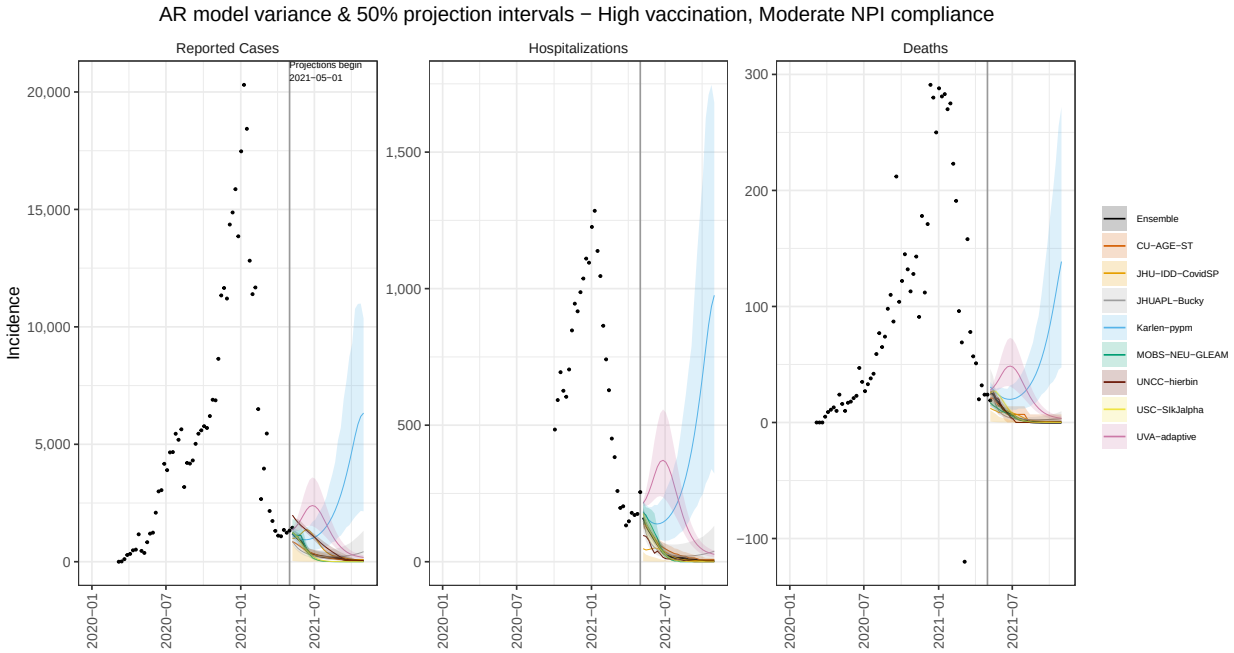
State-level model variation

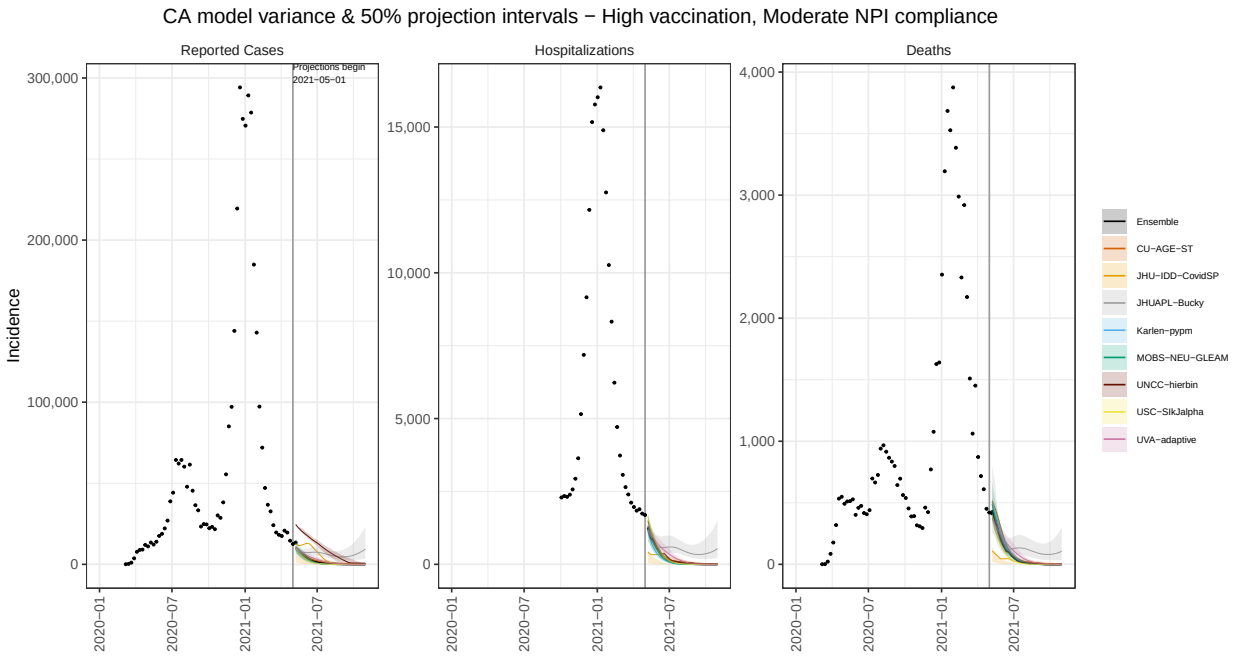
National model variation for the high vaccination, moderate NPI scenario

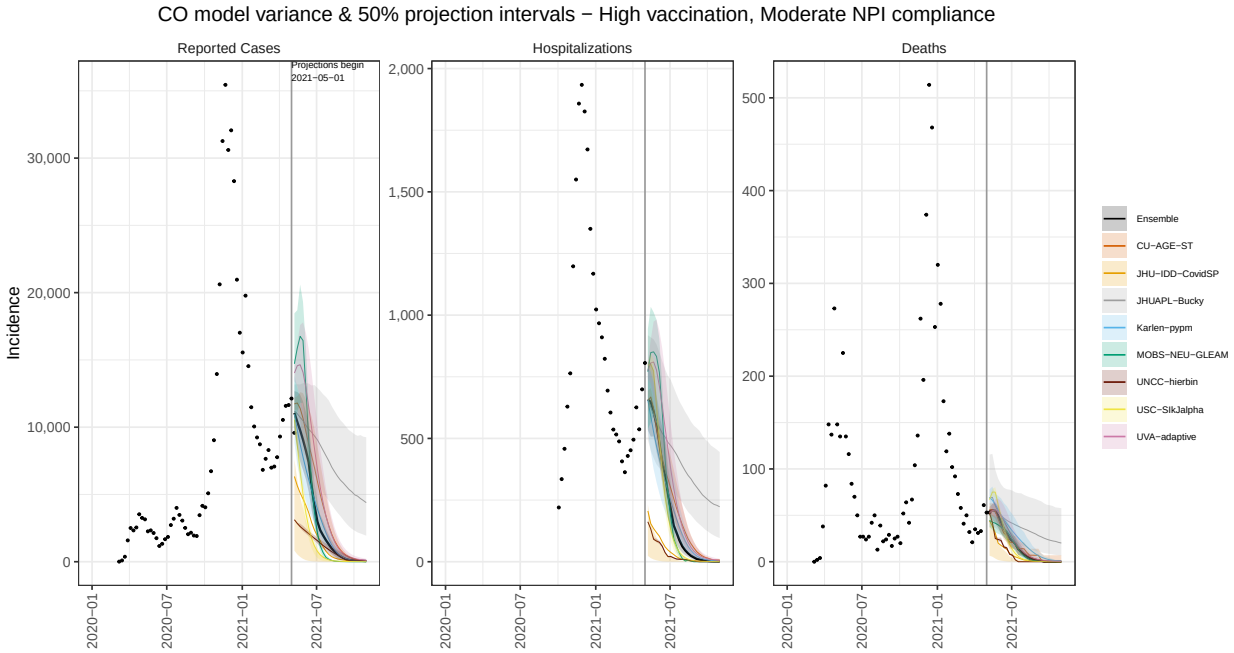

AL model variance & 50% projection intervals − High vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
30,000
20,000
10,000
0
3,000
2,000
1,000
750
500
250
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

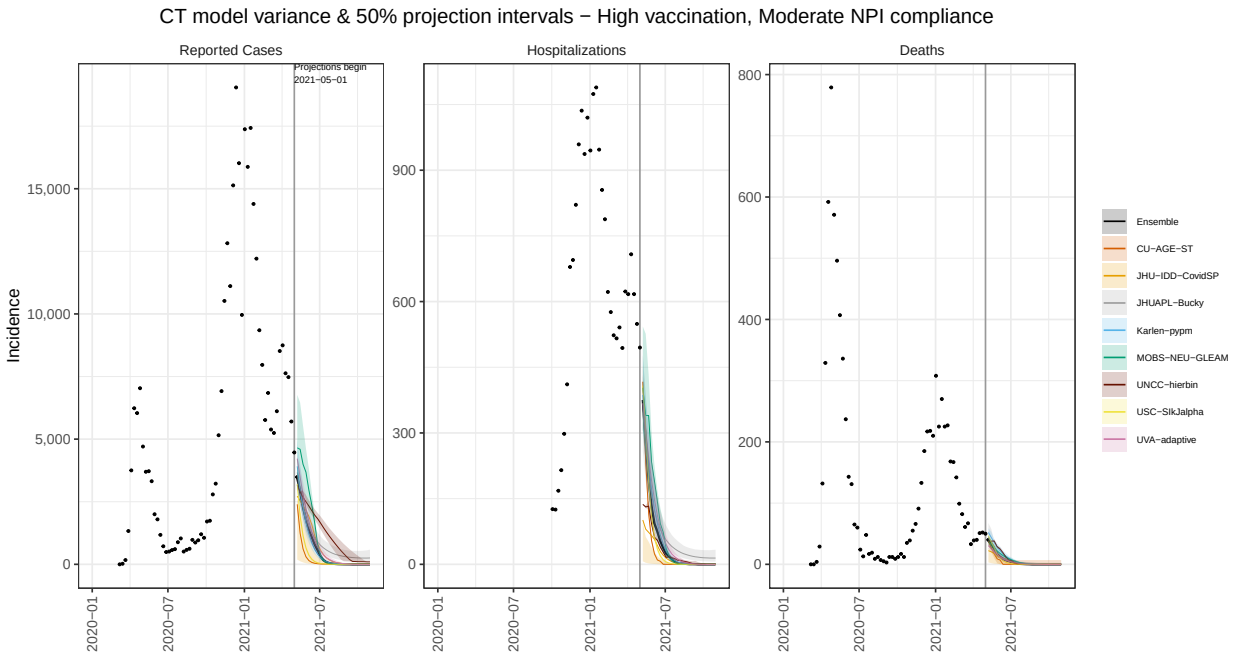

AK model variance & 50% projection intervals − High vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
5,000
4,000
3,000
2,000
1,000
0
150
100
50
40
30
20
10
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

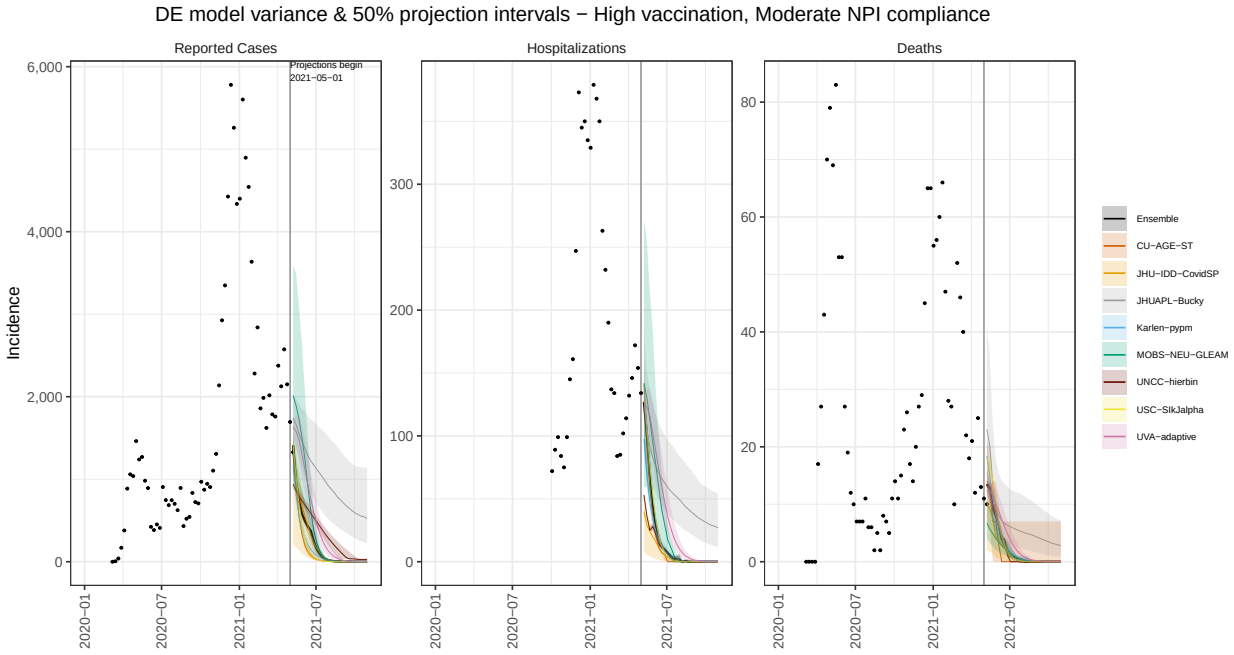

AZ model variance & 50% projection intervals − High vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

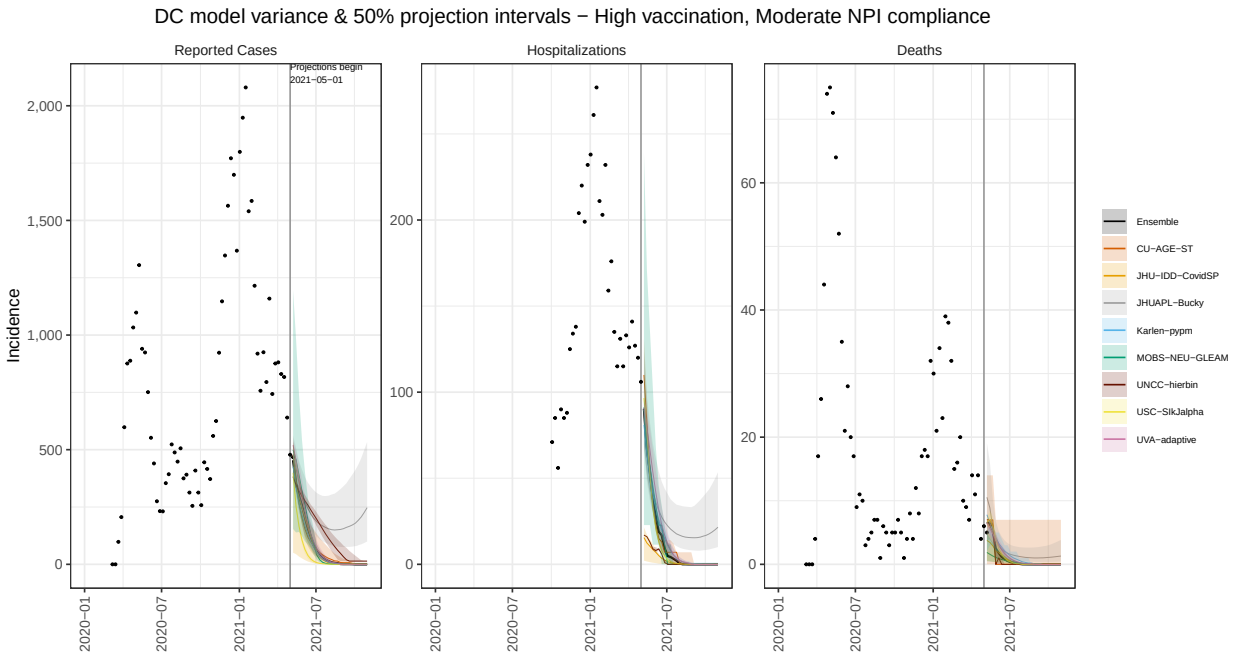

AR model variance & 50% projection intervals − High vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

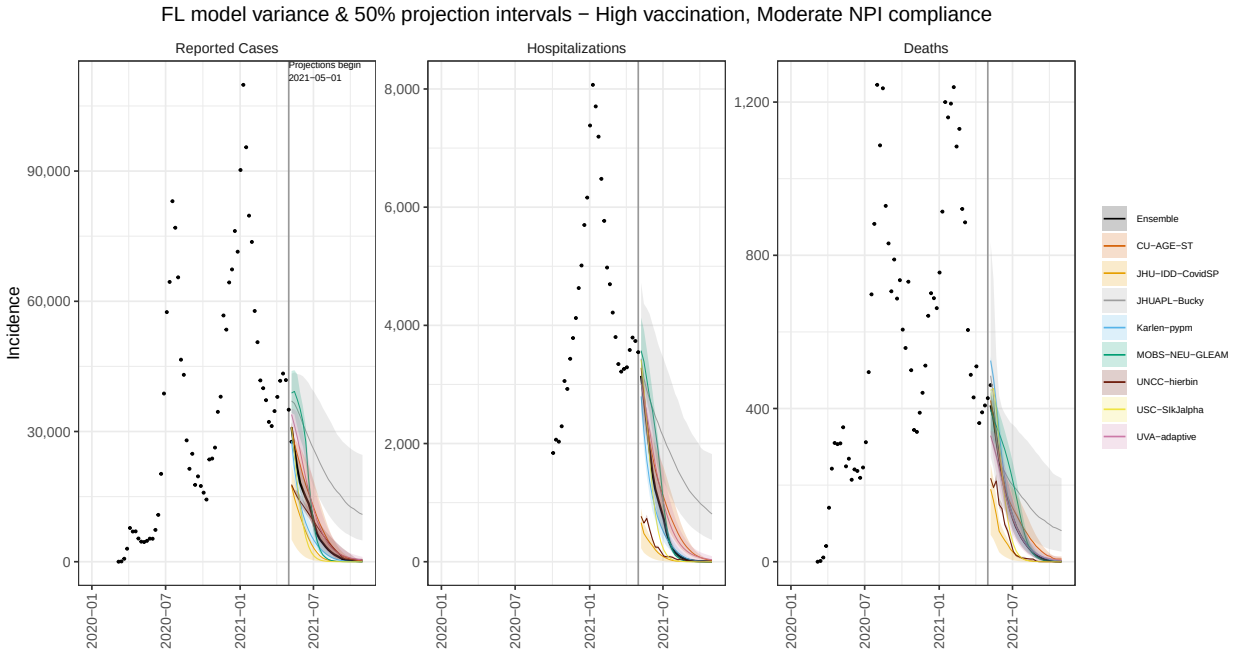

CA model variance & 50% projection intervals − High vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
300,000
200,000
100,000
0
15,000
10,000
5,000
4,000
3,000
2,000
1,000
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

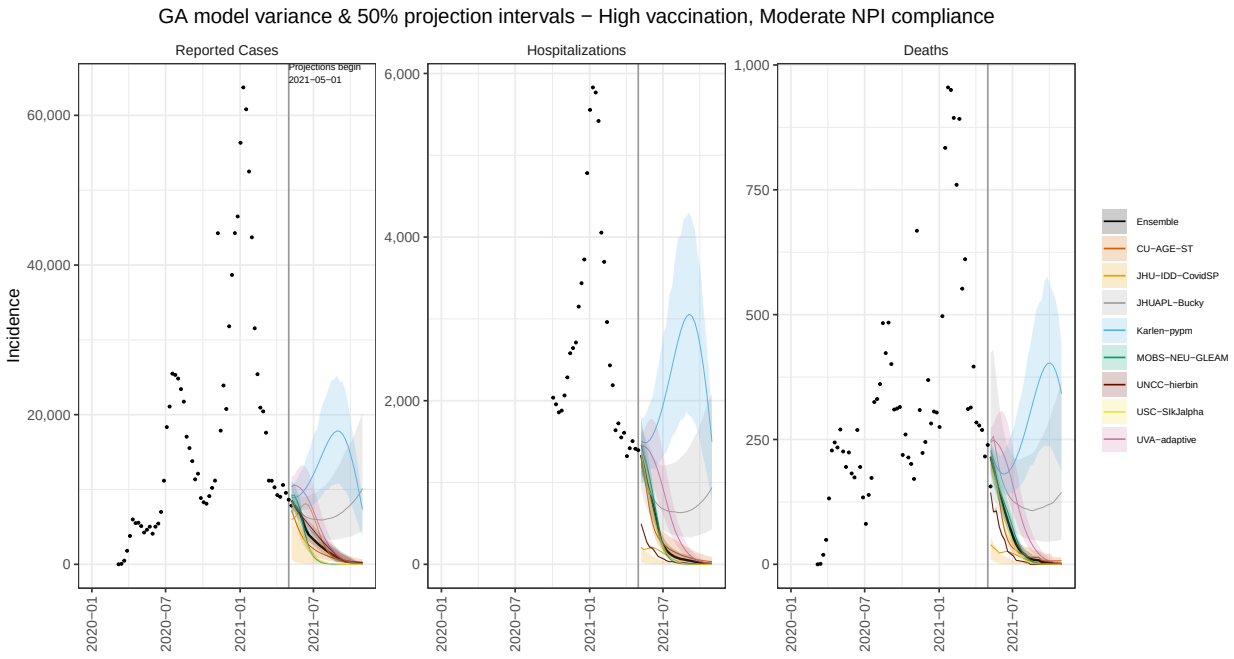

CO model variance & 50% projection intervals − High vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
30,000
20,000
10,000
0
2,000
1,500
1,000
500
400
300
200
100
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

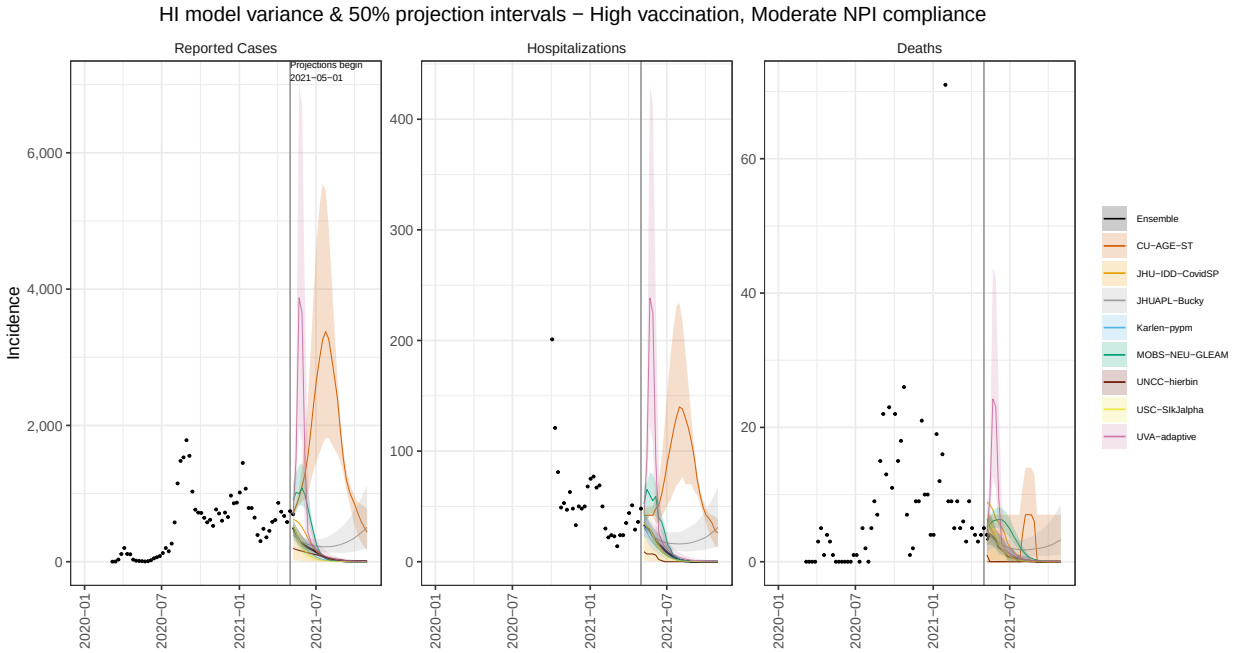

CT model variance & 50% projection intervals − High vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive


DE model variance & 50% projection intervals − High vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

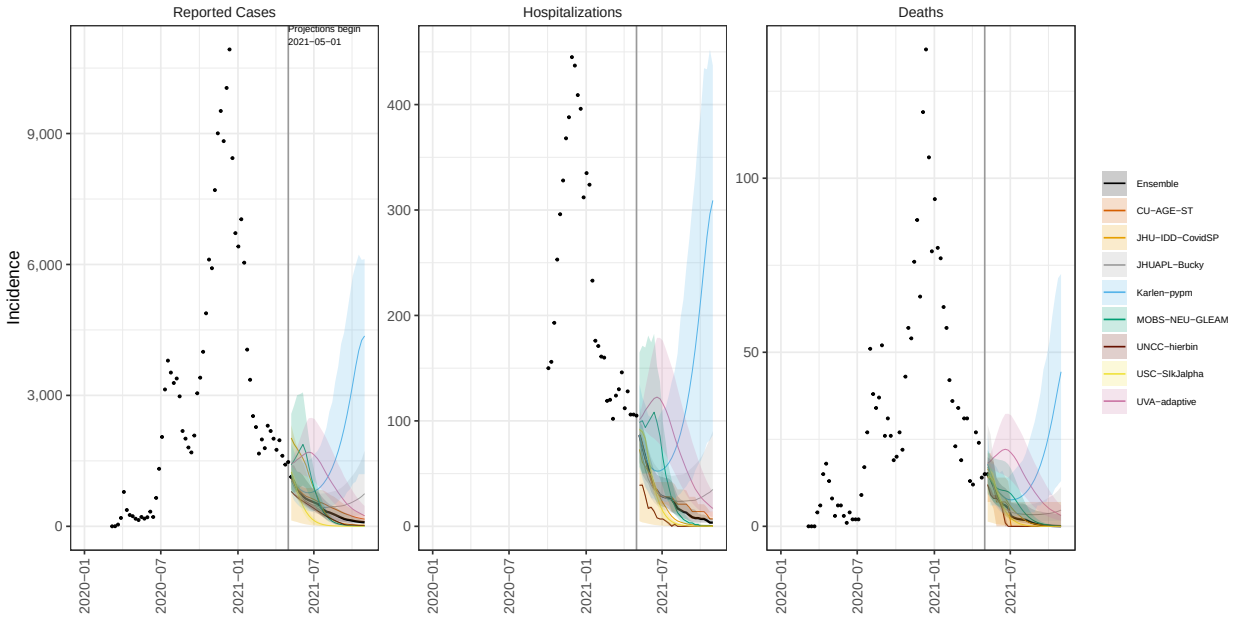

DC model variance & 50% projection intervals − High vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive


FL model variance & 50% projection intervals − High vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

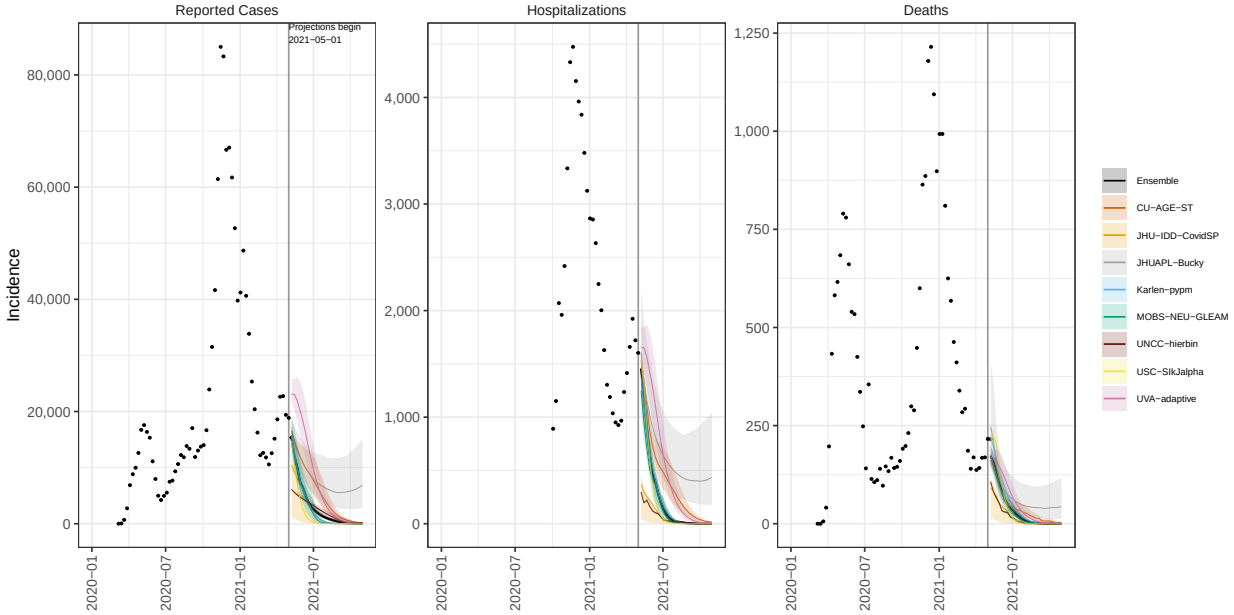

GA model variance & 50% projection intervals − High vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
60,000
40,000
20,000
0
6,000
4,000
2,000
1,000
750
500
250
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

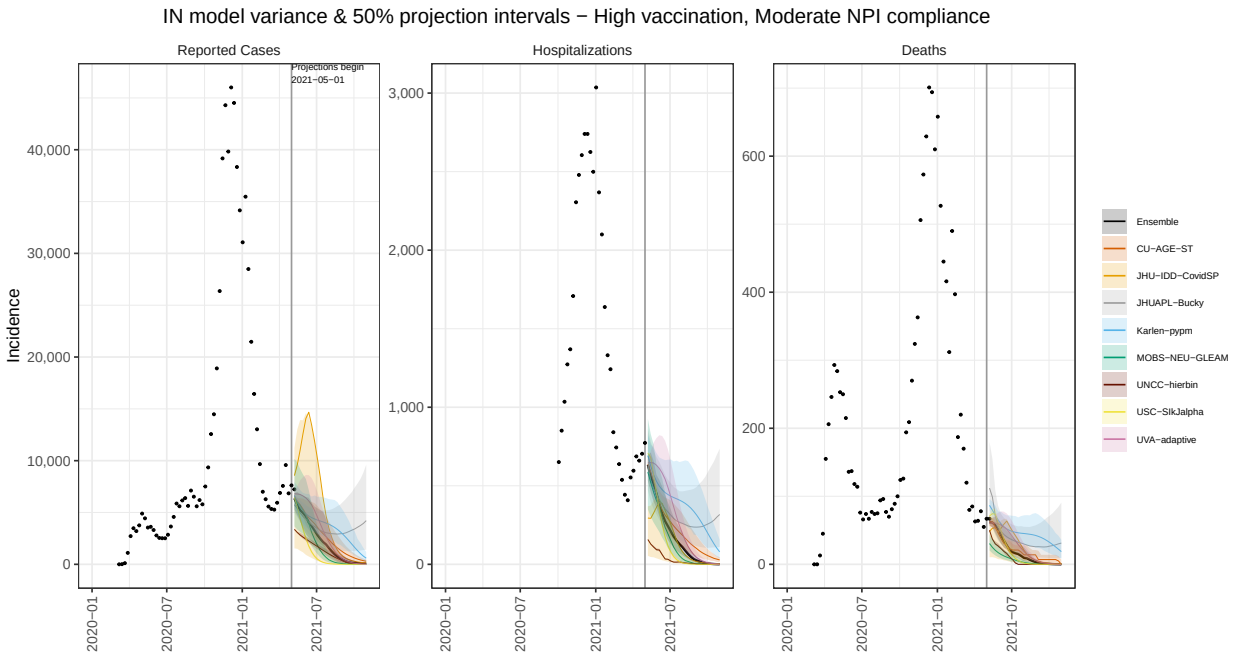

HI model variance & 50% projection intervals − High vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
6,000
4,000
2,000
0
400
300
200
100
60
40
20
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

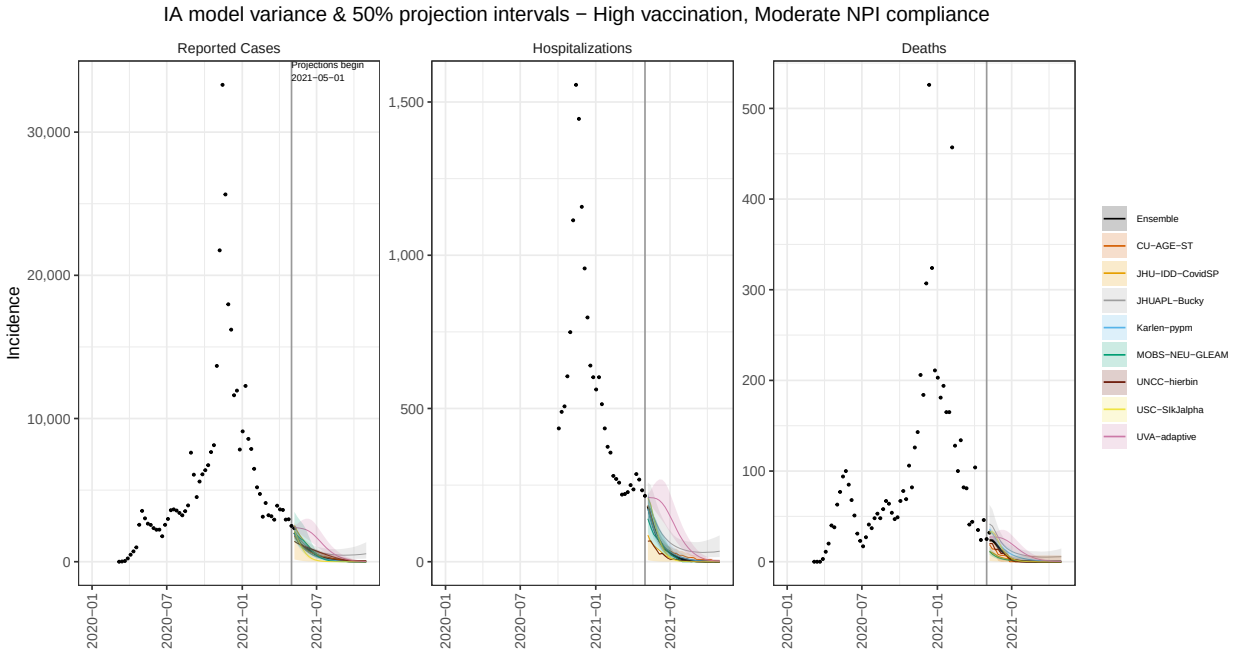
ID model variance & 50% projection intervals − High vaccination, Moderate NPI compliance

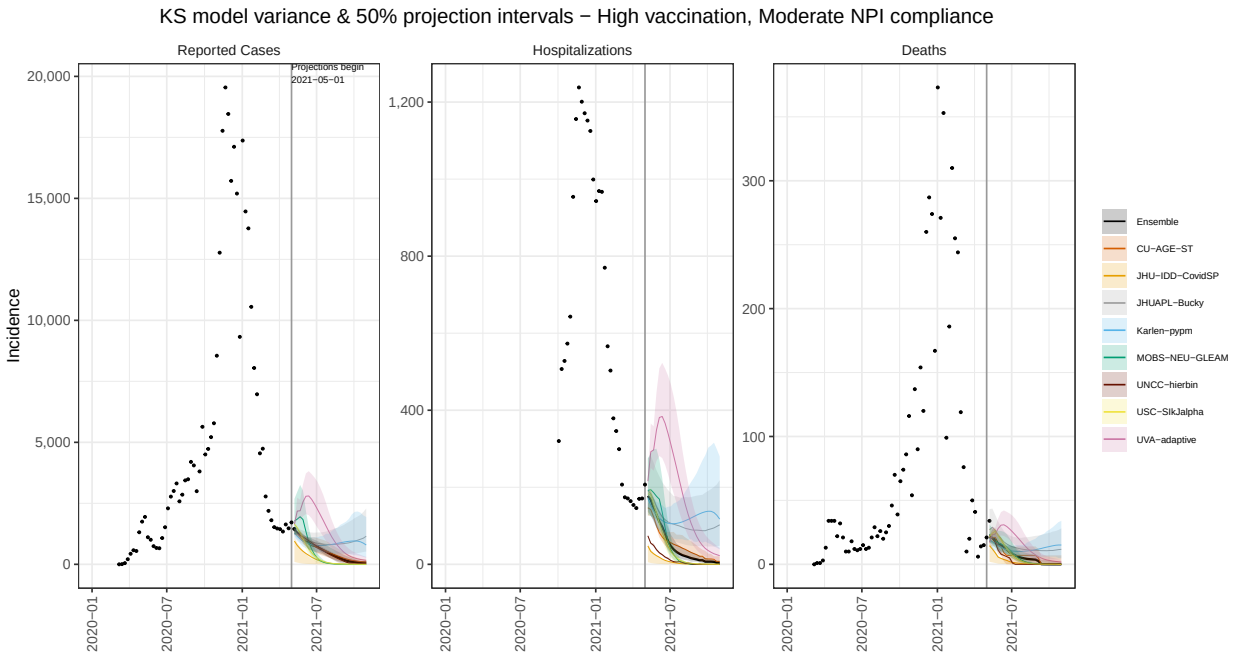


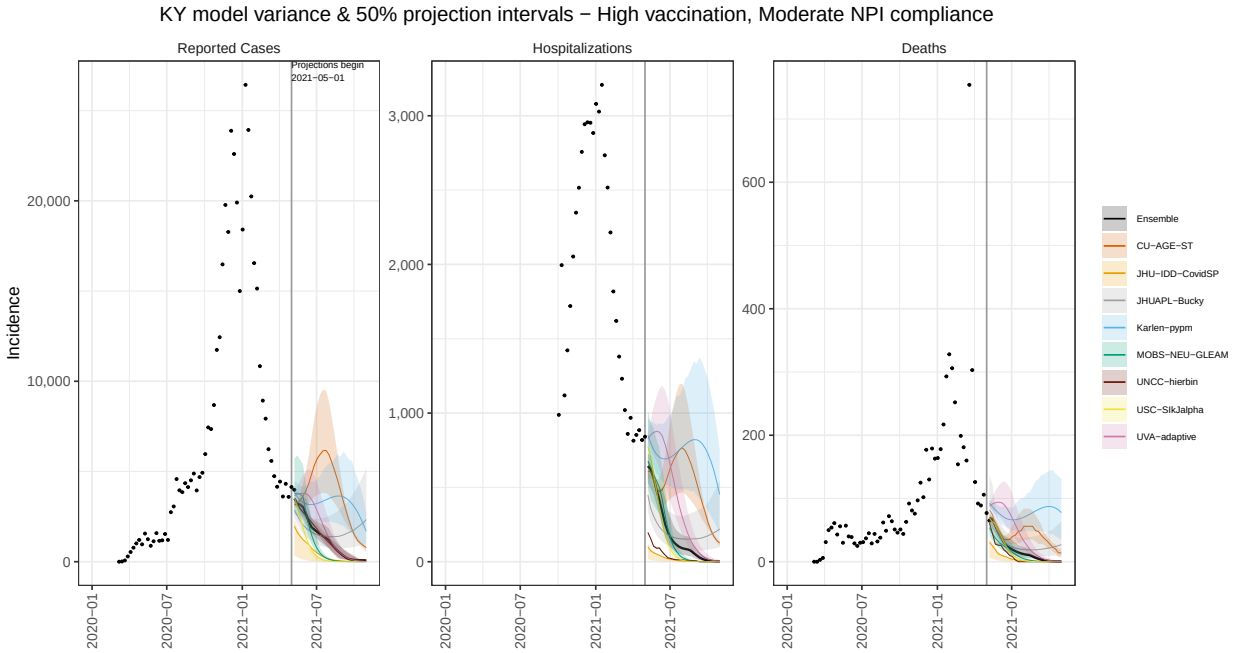
IL model variance & 50% projection intervals − High vaccination, Moderate NPI compliance

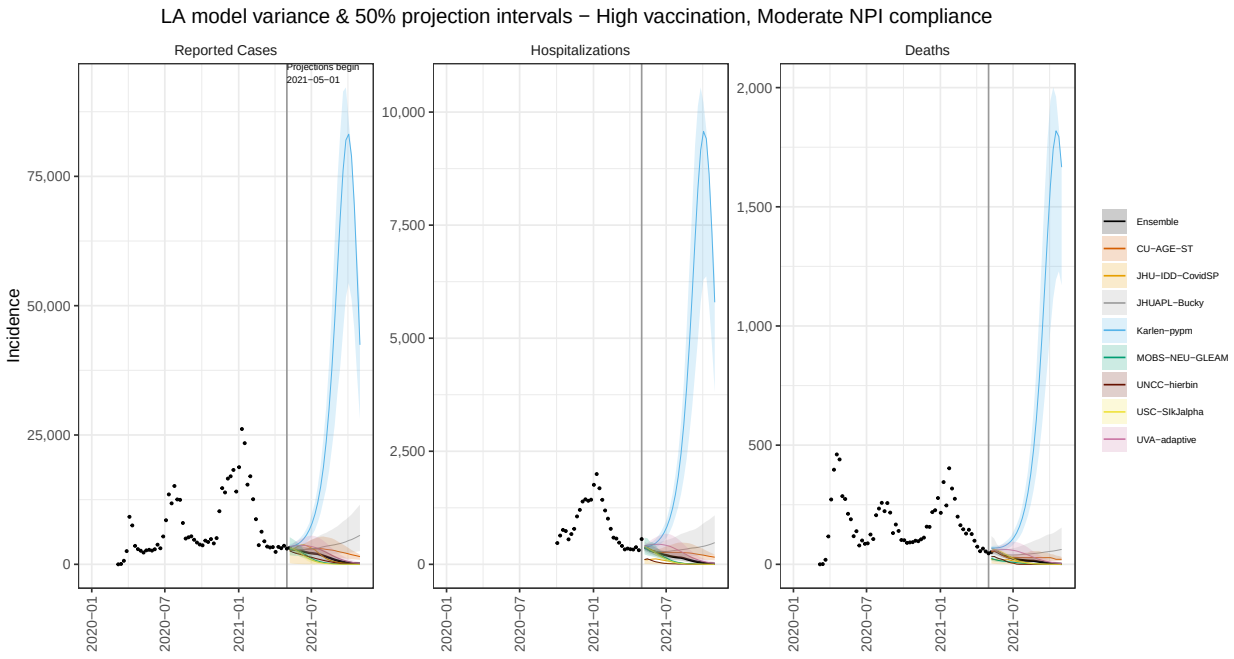


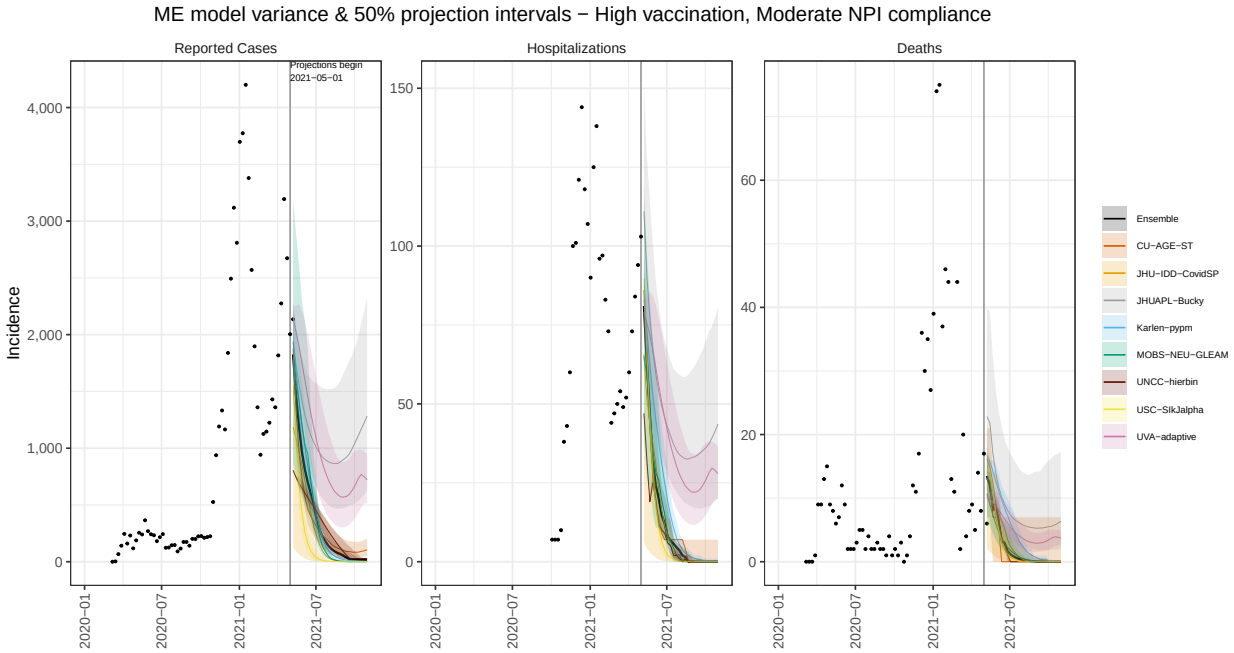

IN model variance & 50% projection intervals − High vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

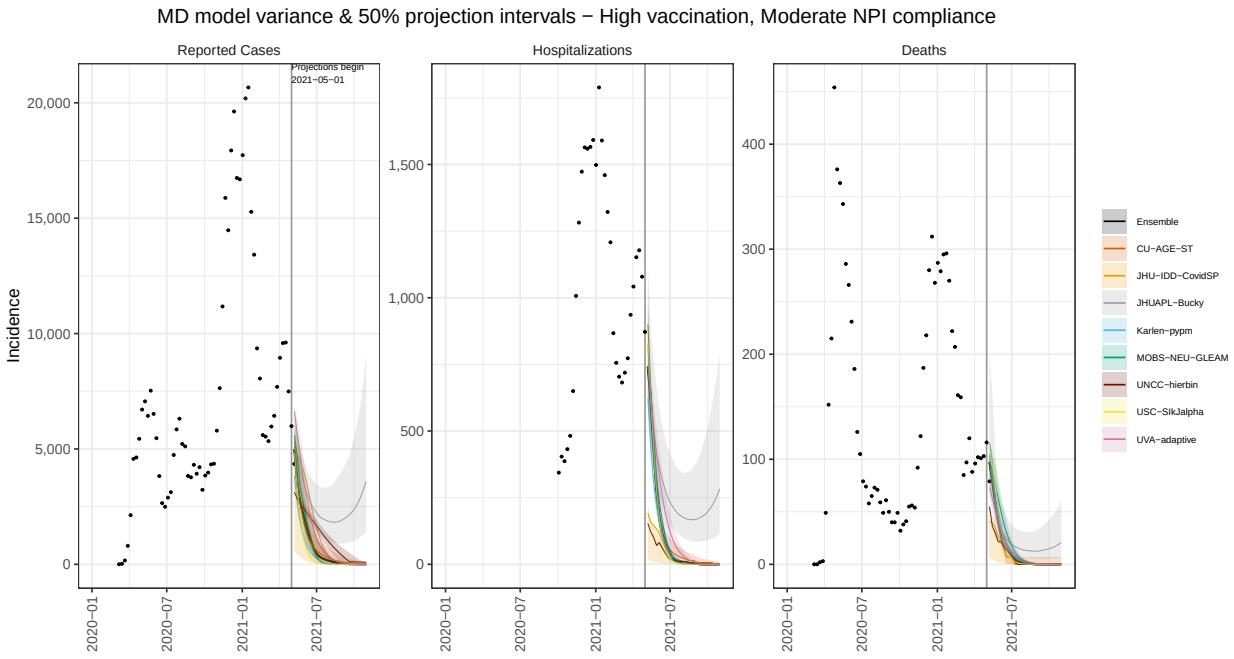

IA model variance & 50% projection intervals − High vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

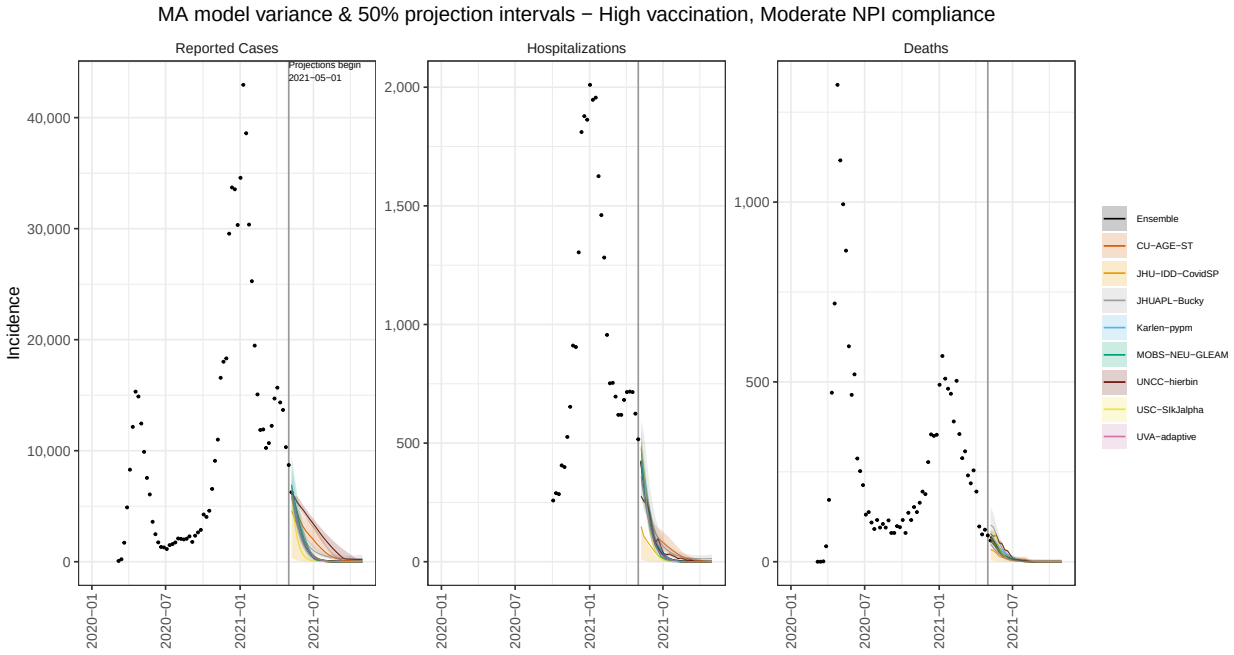

KS model variance & 50% projection intervals − High vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
20,000
15,000
10,000
5,000
0
1,200
800
400
300
200
100
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

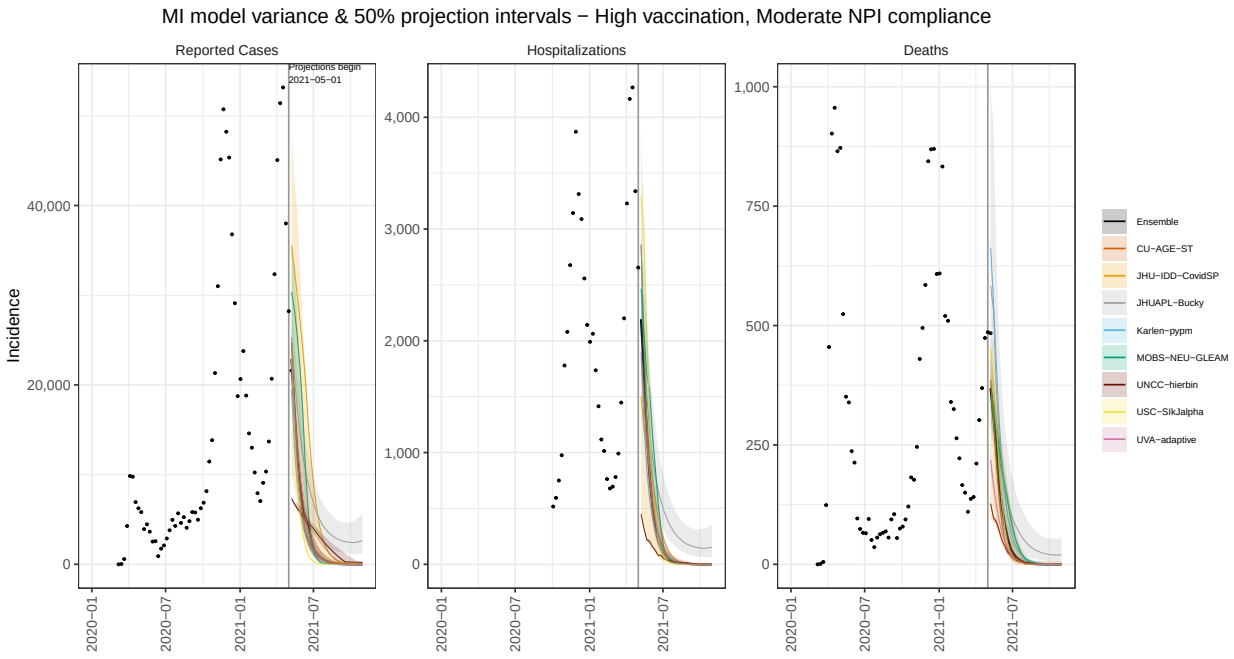

KY model variance & 50% projection intervals − High vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
20,000
10,000
0
3,000
2,000
1,000
600
400
200
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

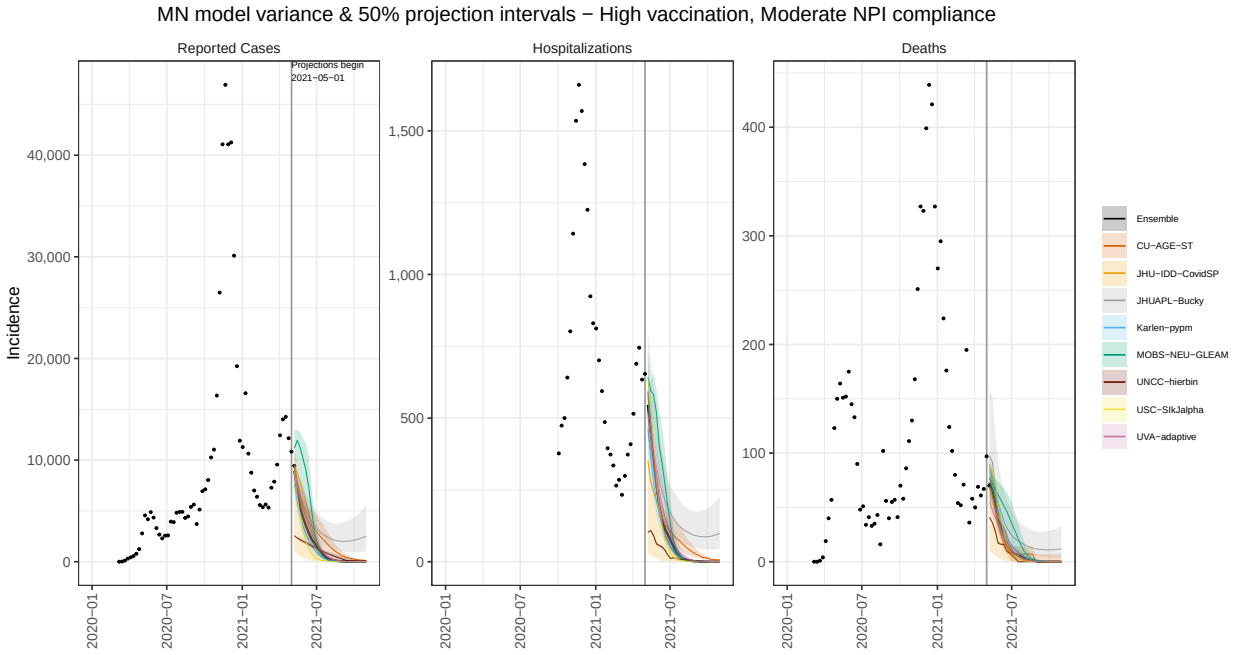

LA model variance & 50% projection intervals − High vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
75,000
50,000
25,000
0
10,000
7,500
5,000
2,500
2,000
1,500
1,000
500
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

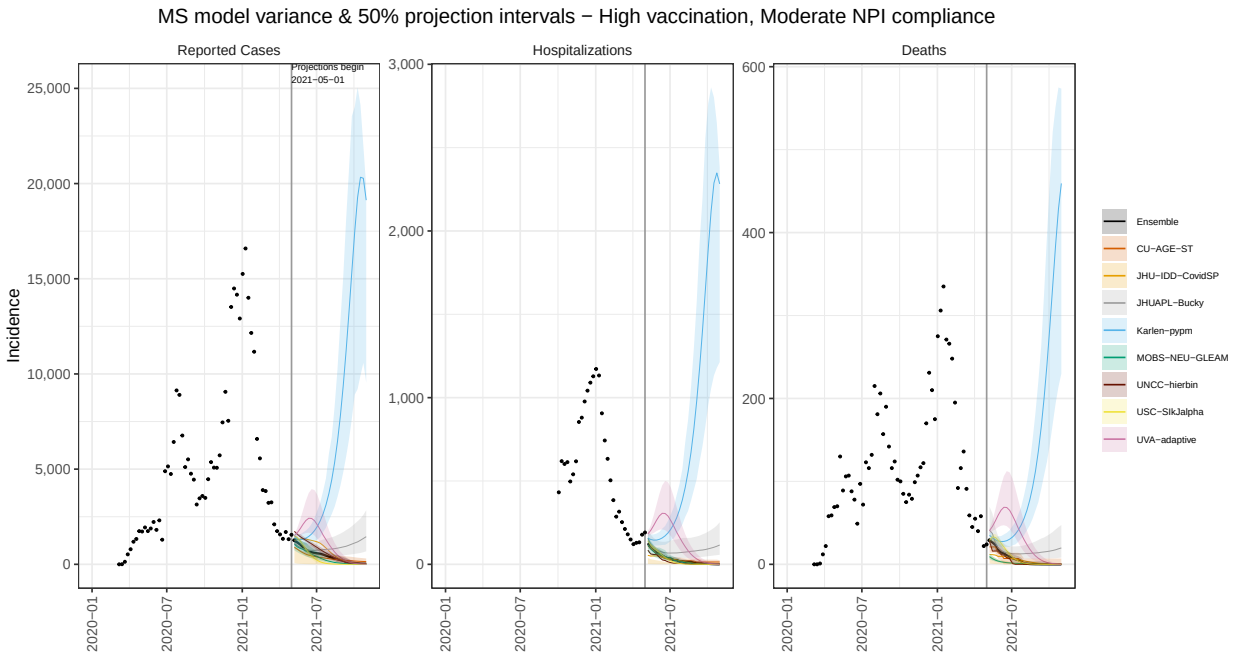

ME model variance & 50% projection intervals − High vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
4,000
3,000
2,000
1,000
0
150
100
50
60
40
20
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

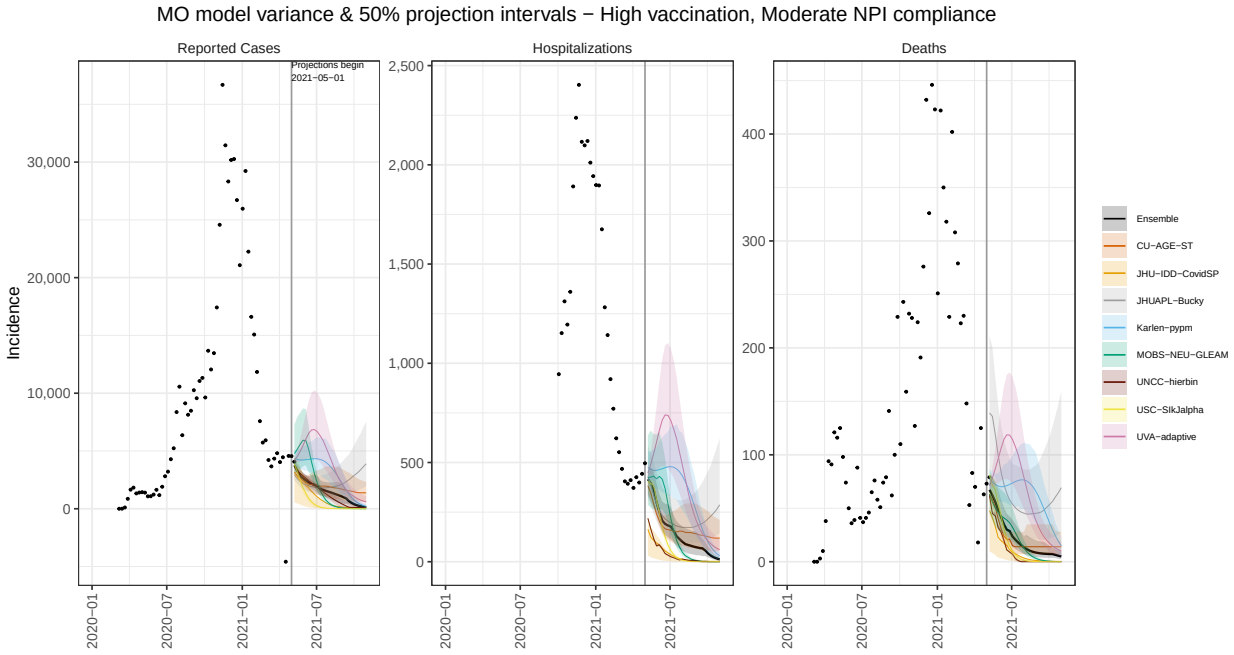

MD model variance & 50% projection intervals − High vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

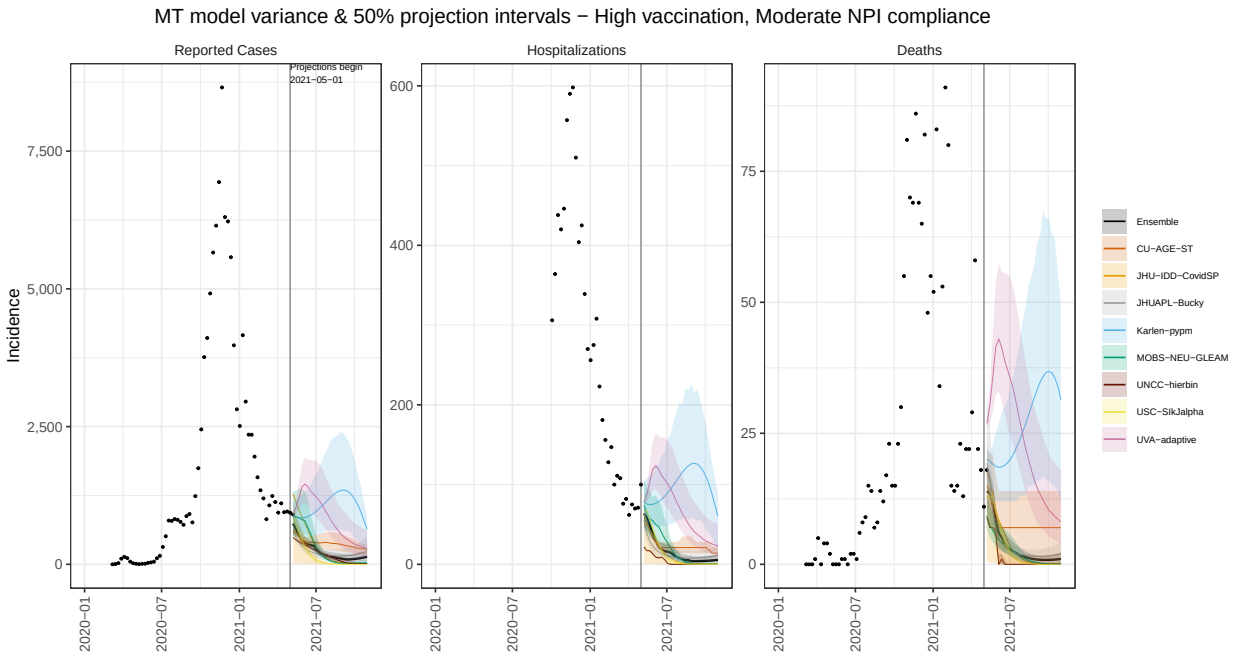

MA model variance & 50% projection intervals − High vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

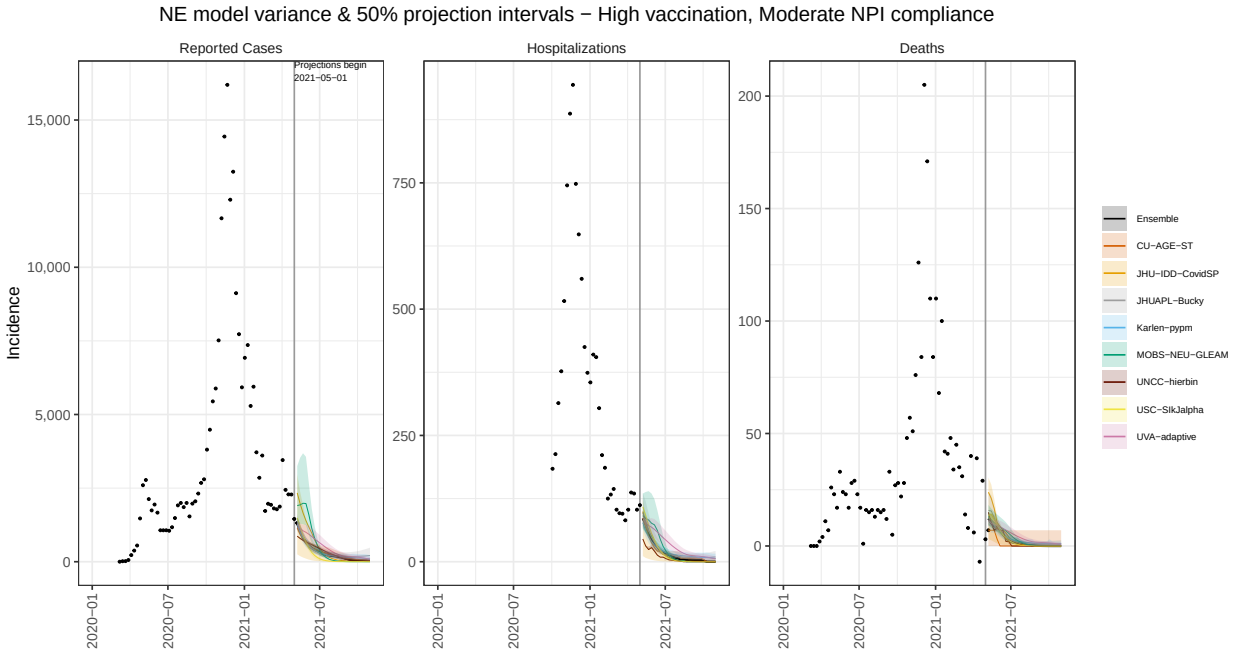

MI model variance & 50% projection intervals − High vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

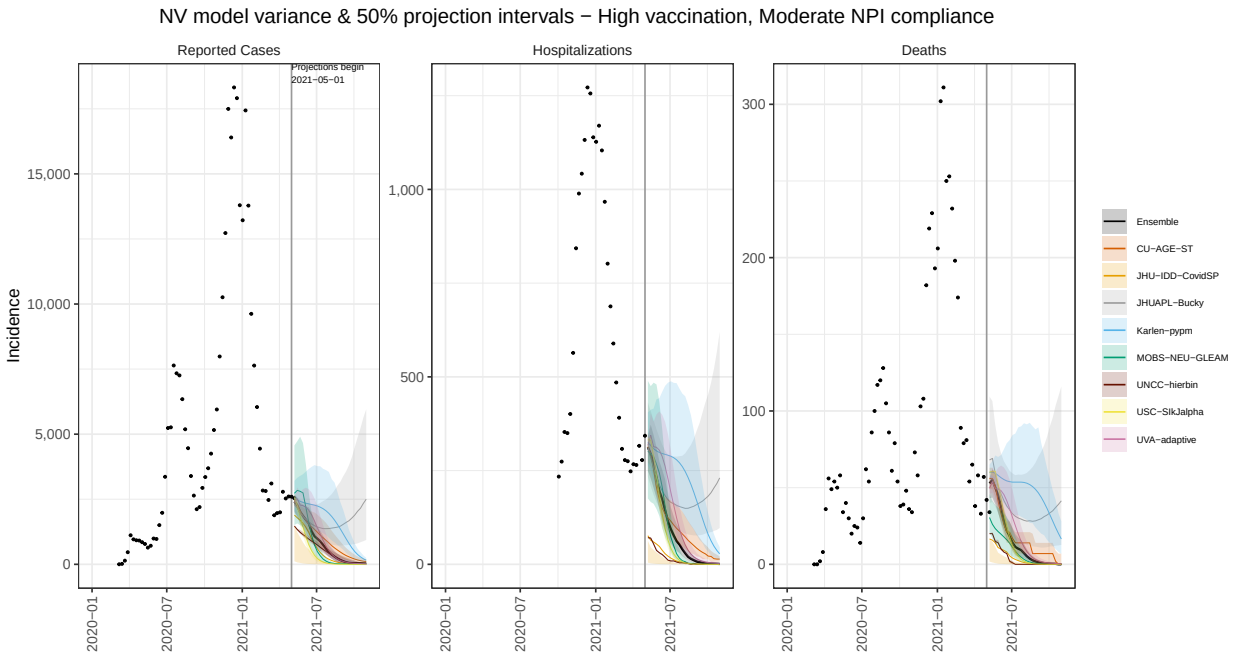

MN model variance & 50% projection intervals − High vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

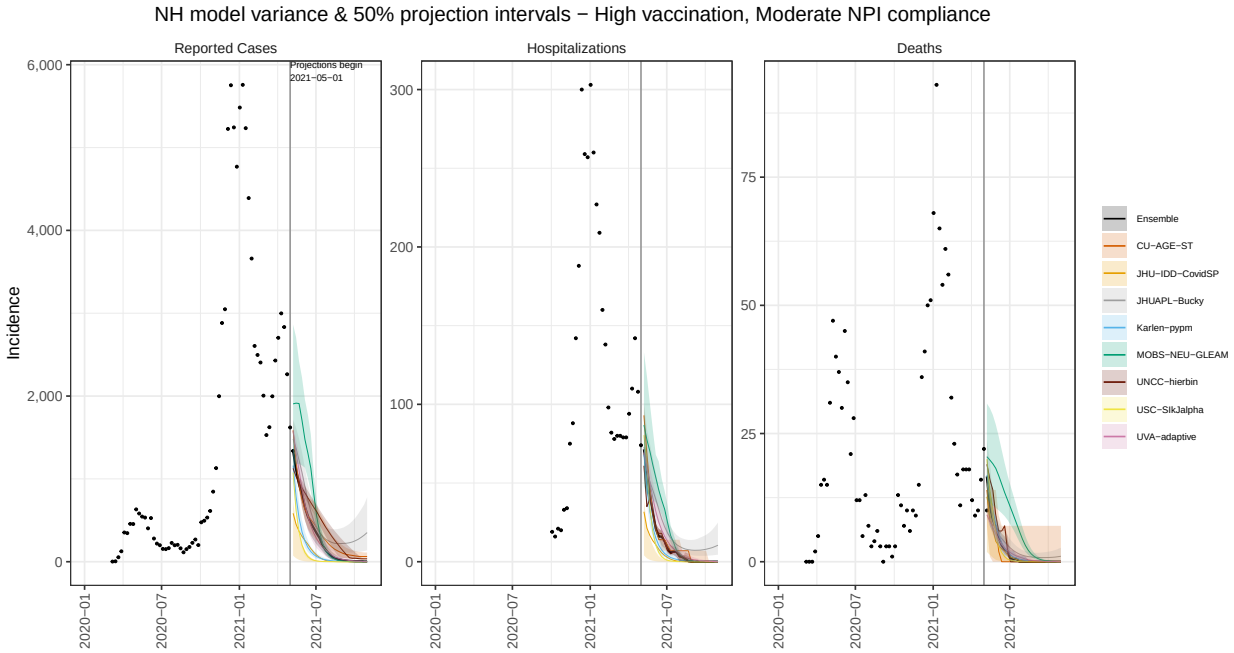

MS model variance & 50% projection intervals − High vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

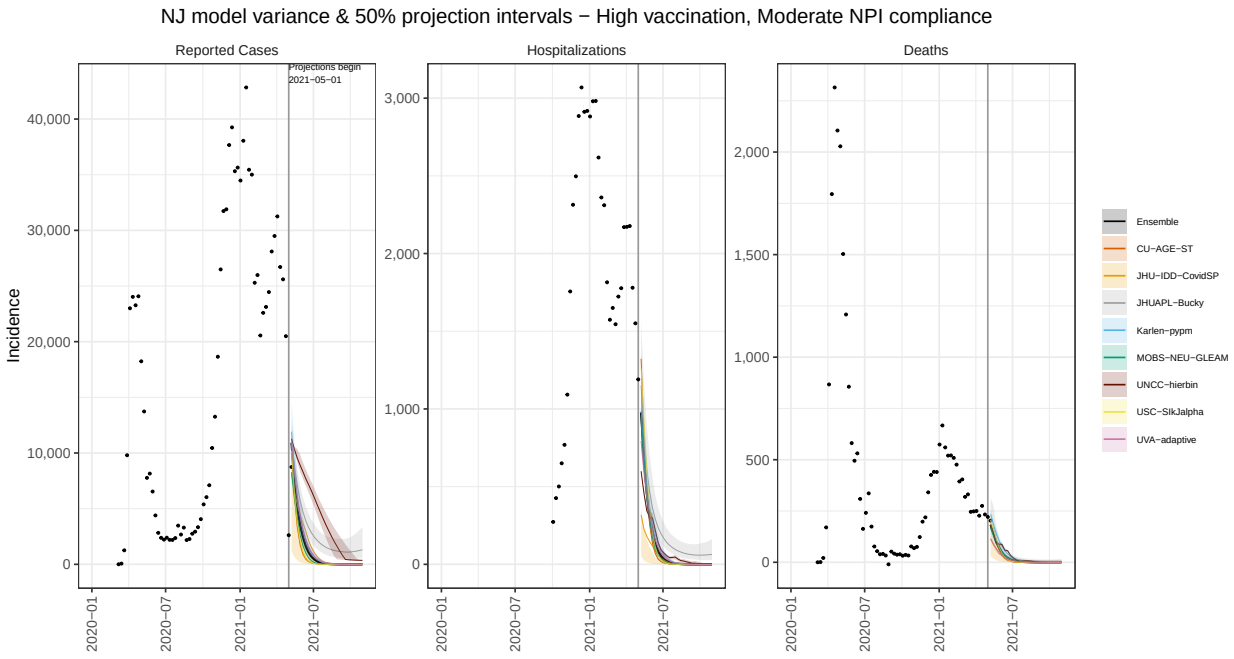

MO model variance & 50% projection intervals − High vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

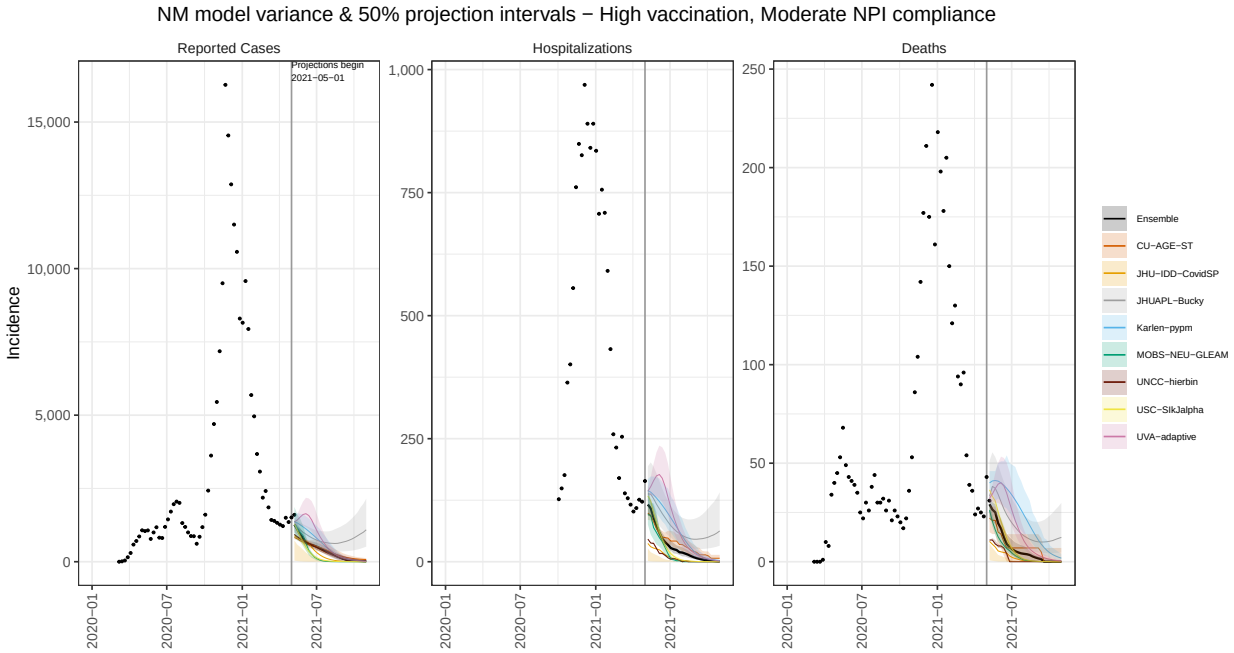

MT model variance & 50% projection intervals − High vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

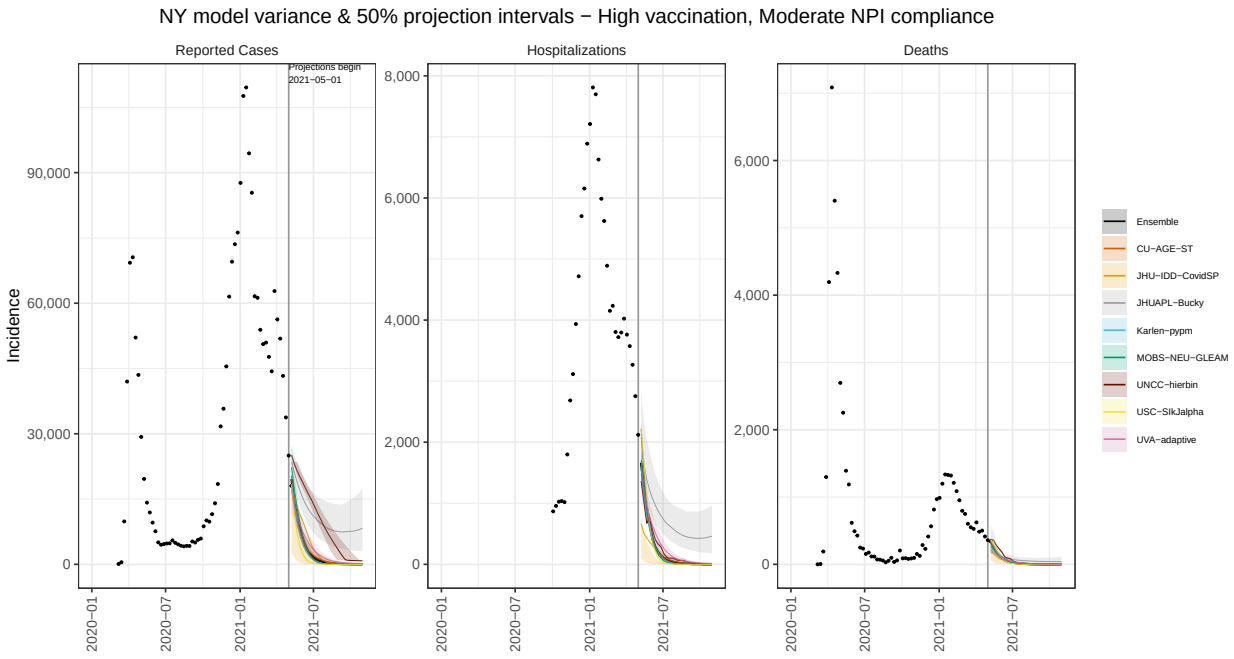

NE model variance & 50% projection intervals − High vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

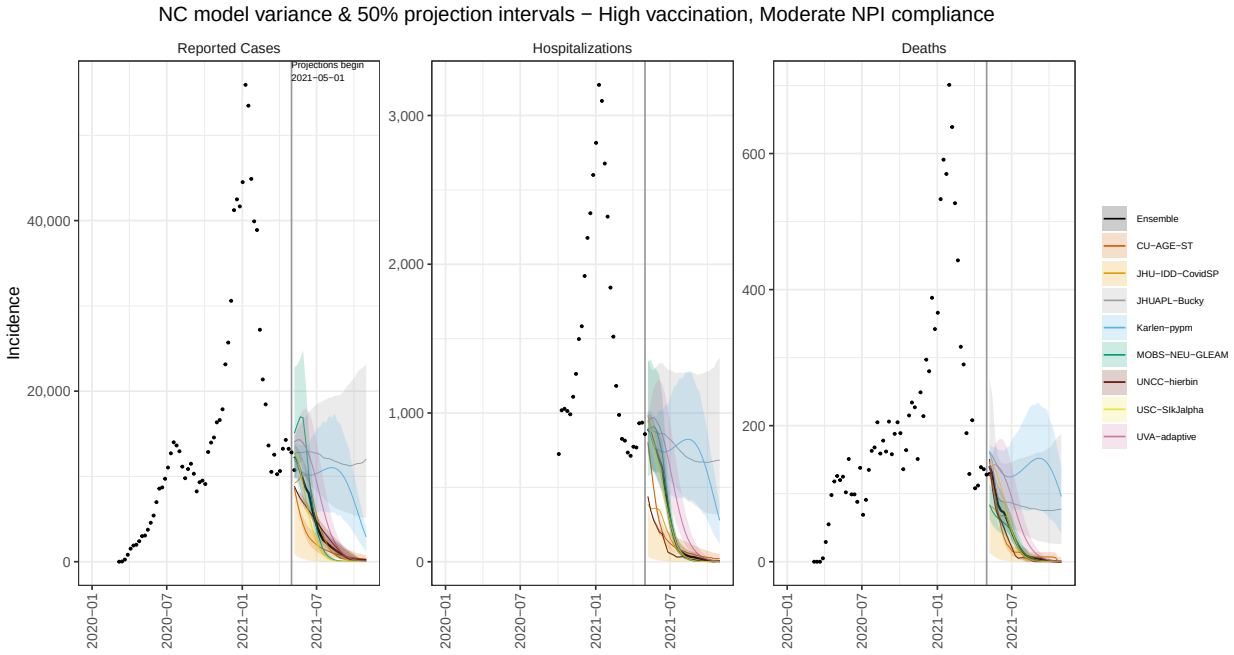

NV model variance & 50% projection intervals − High vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
15,000
10,000
5,000
0
1,000
500
300
200
100
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

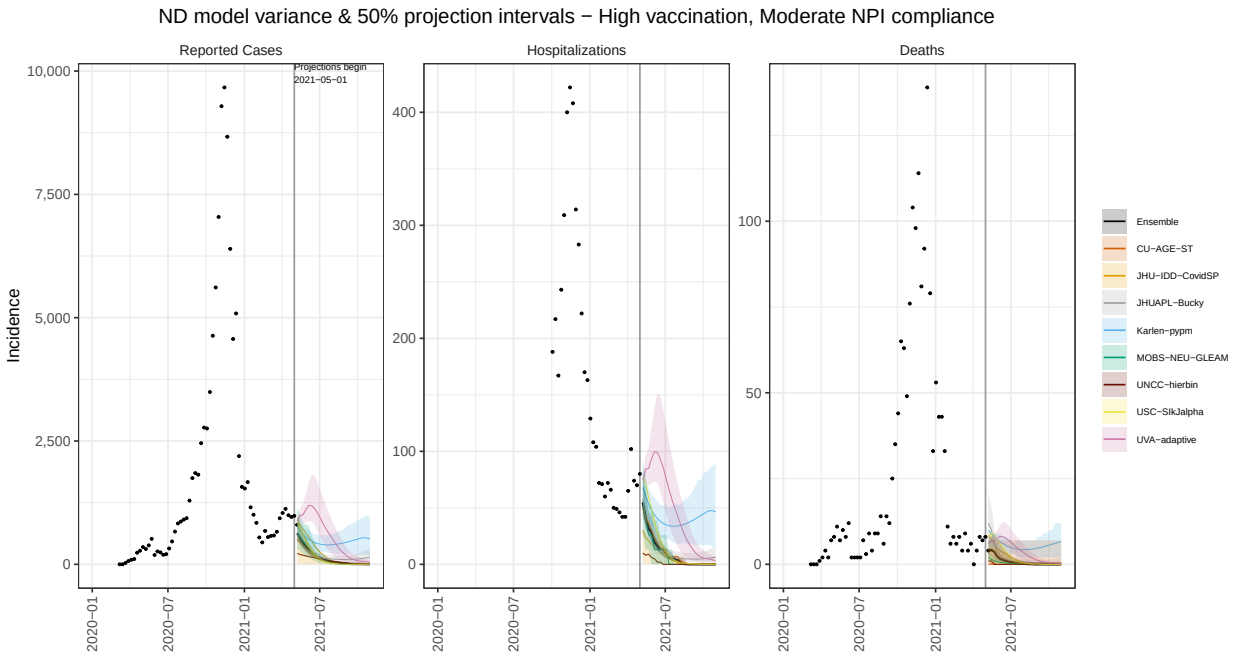

NH model variance & 50% projection intervals − High vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
6,000
4,000
2,000
0
300
200
100
75
50
25
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

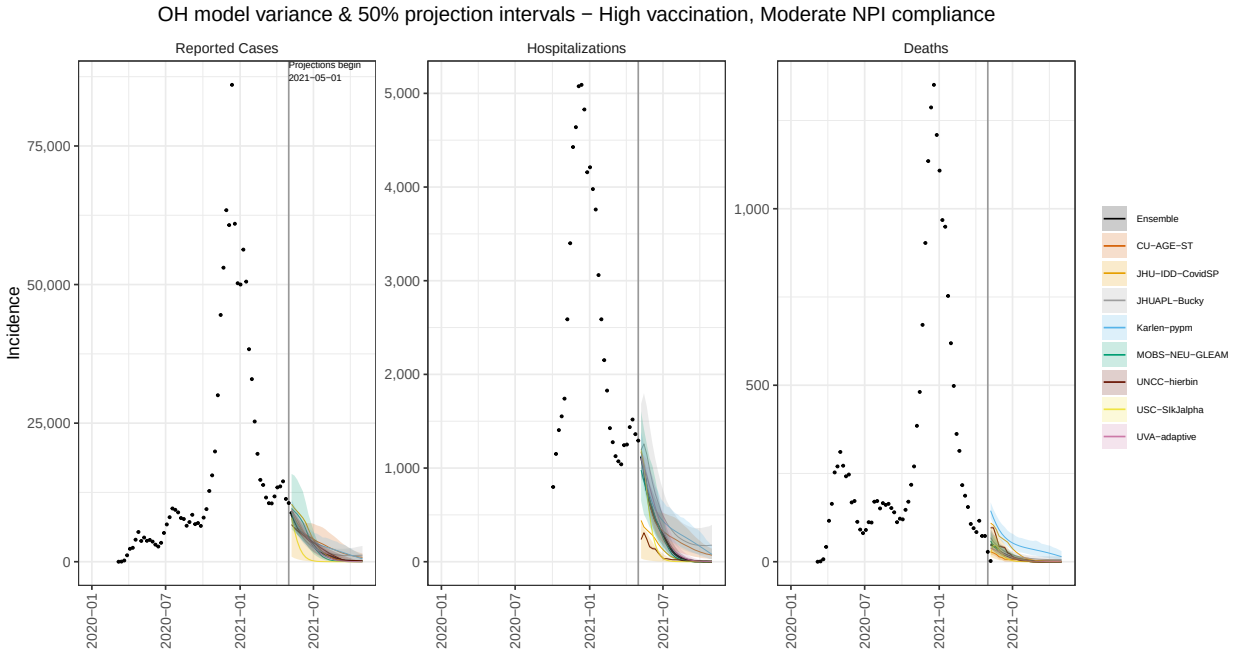

NJ model variance & 50% projection intervals − High vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

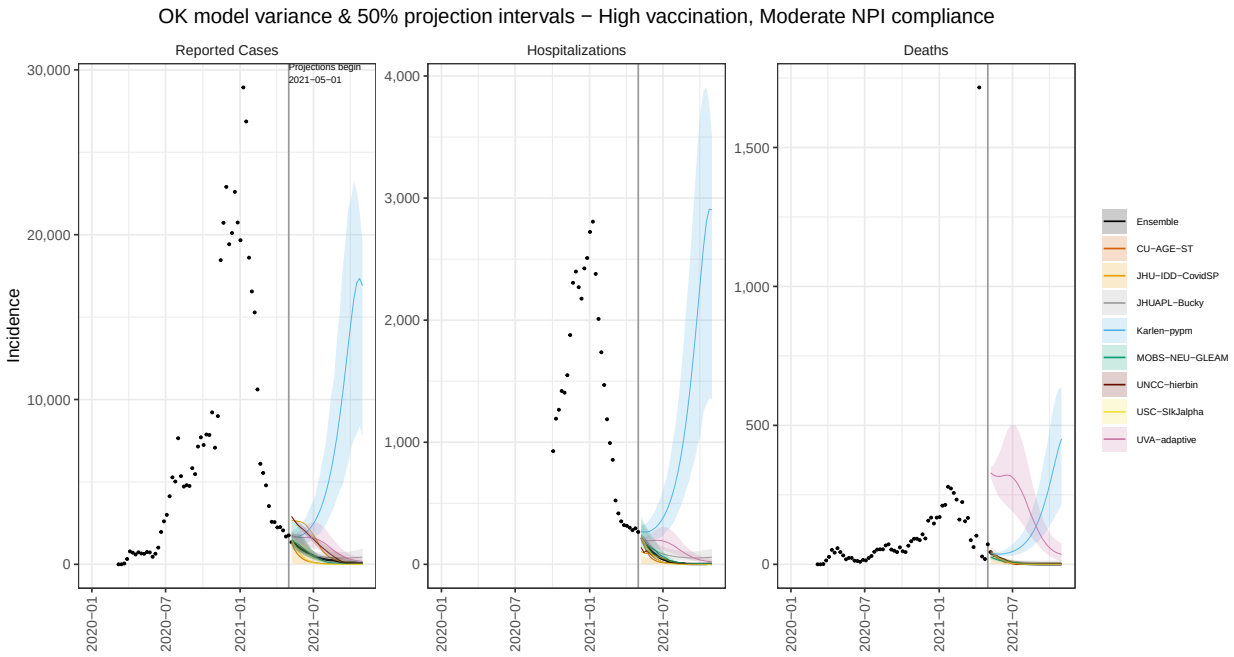

NM model variance & 50% projection intervals − High vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

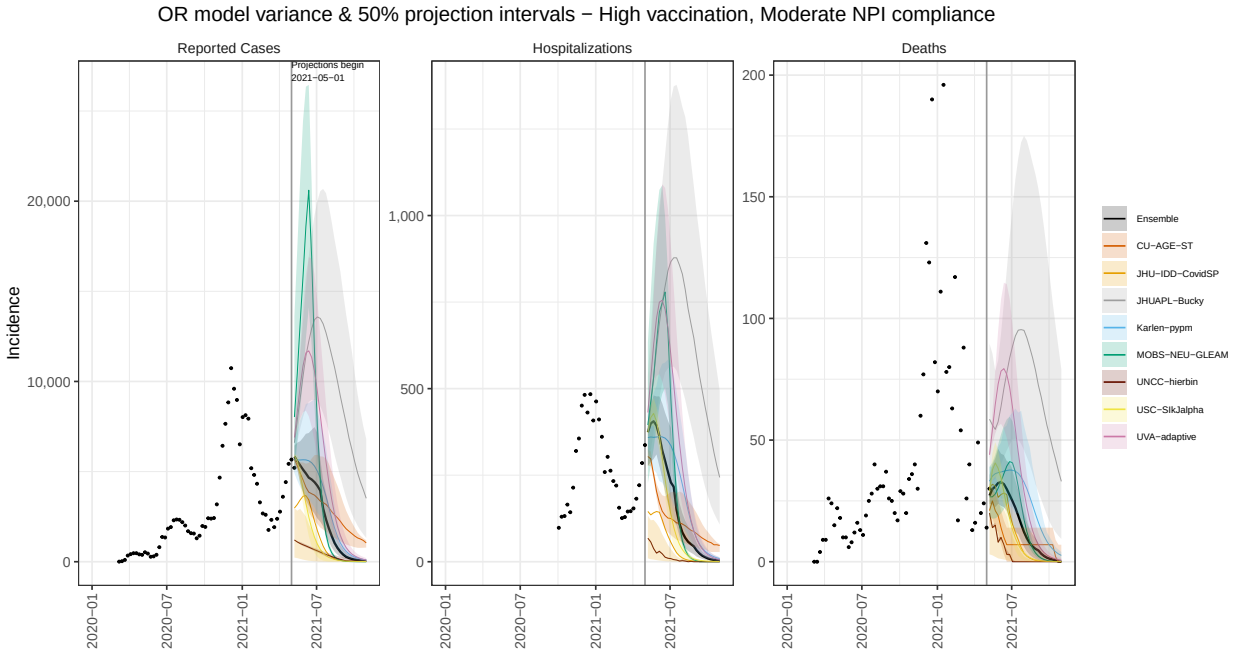

NY model variance & 50% projection intervals − High vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

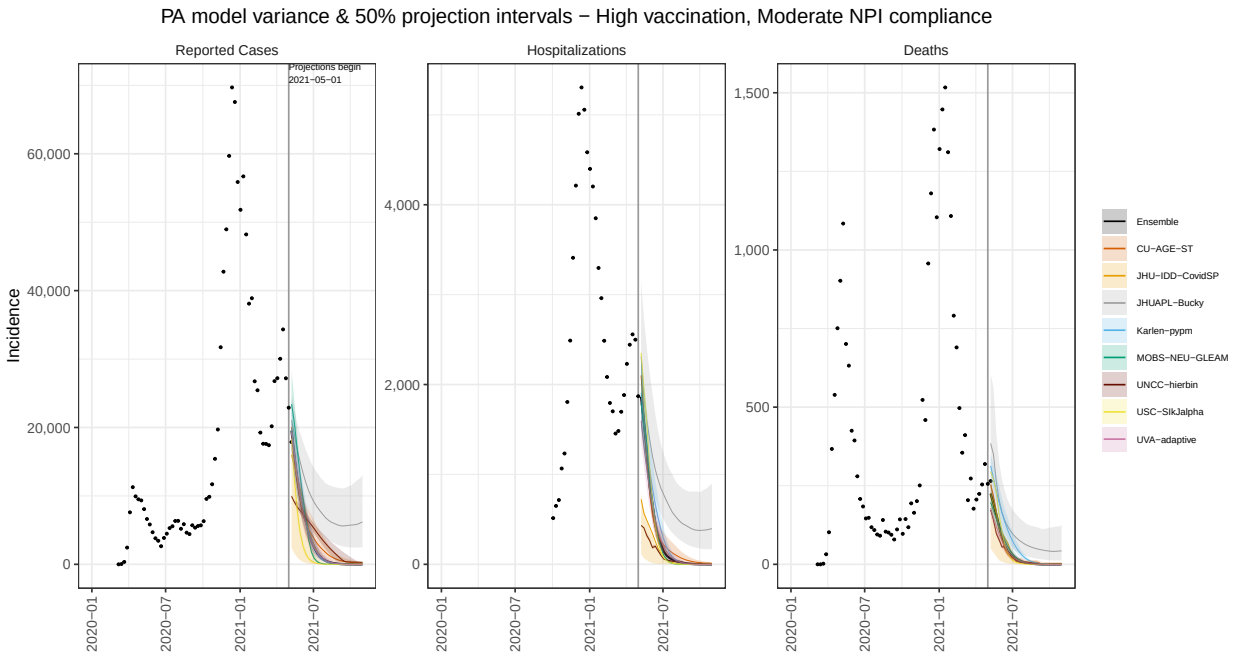

NC model variance & 50% projection intervals − High vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

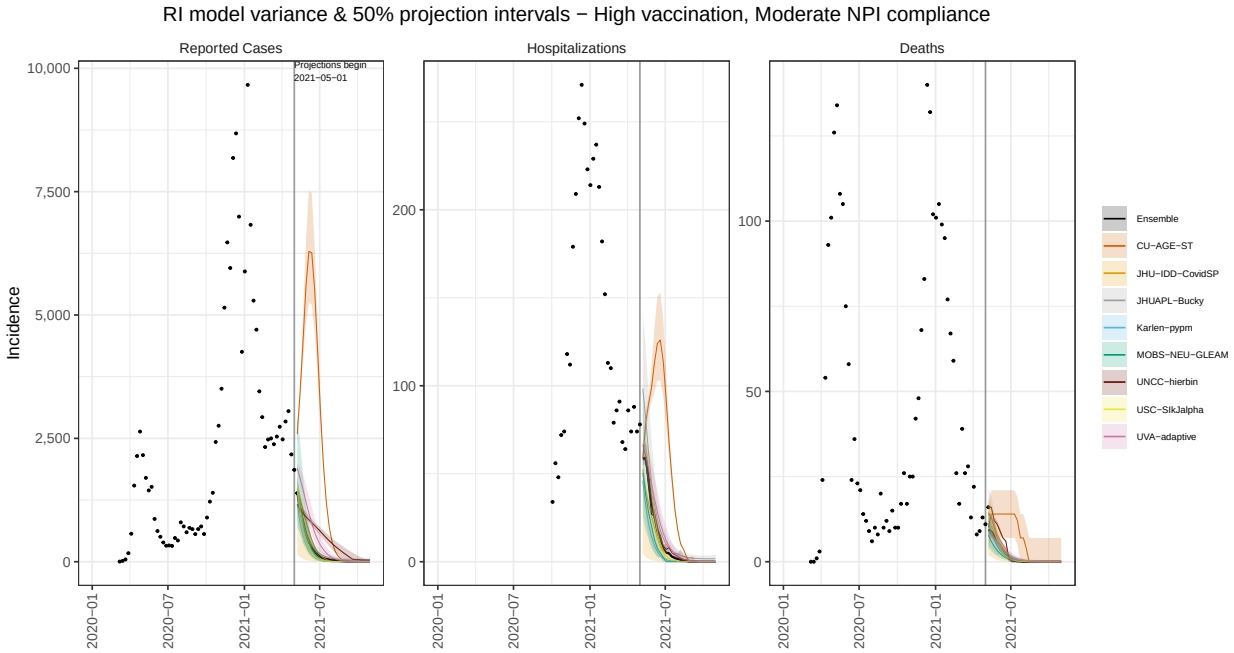

ND model variance & 50% projection intervals − High vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
10,000
7,500
5,000
2,500
0
400
300
200
100
50
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

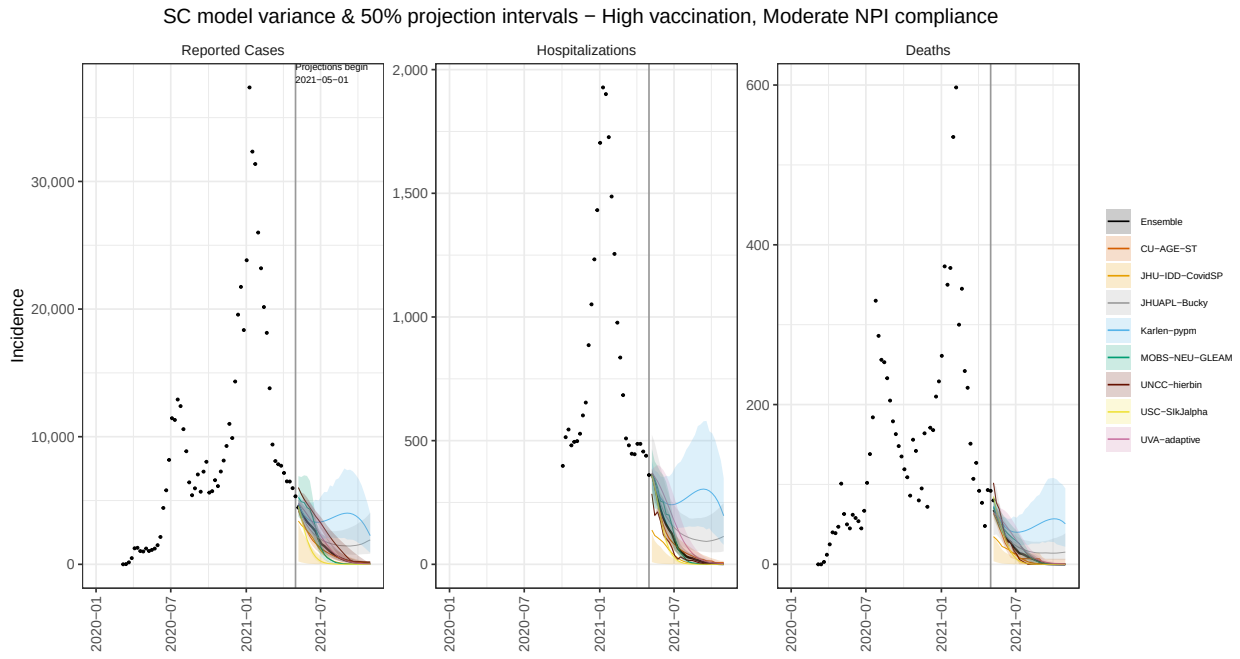

OH model variance & 50% projection intervals − High vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
75,000
50,000
25,000
0
5,000
4,000
3,000
2,000
1,000
500
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

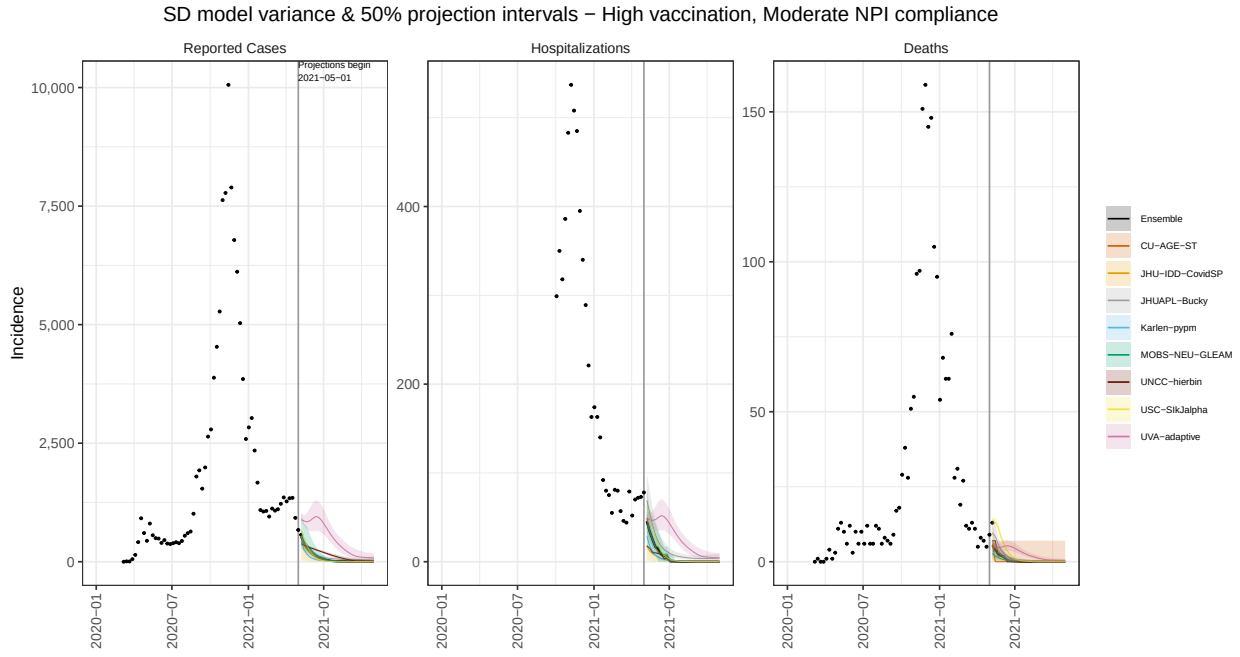

OK model variance & 50% projection intervals − High vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
30,000
20,000
10,000
0
4,000
3,000
2,000
1,000
1,500
500
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

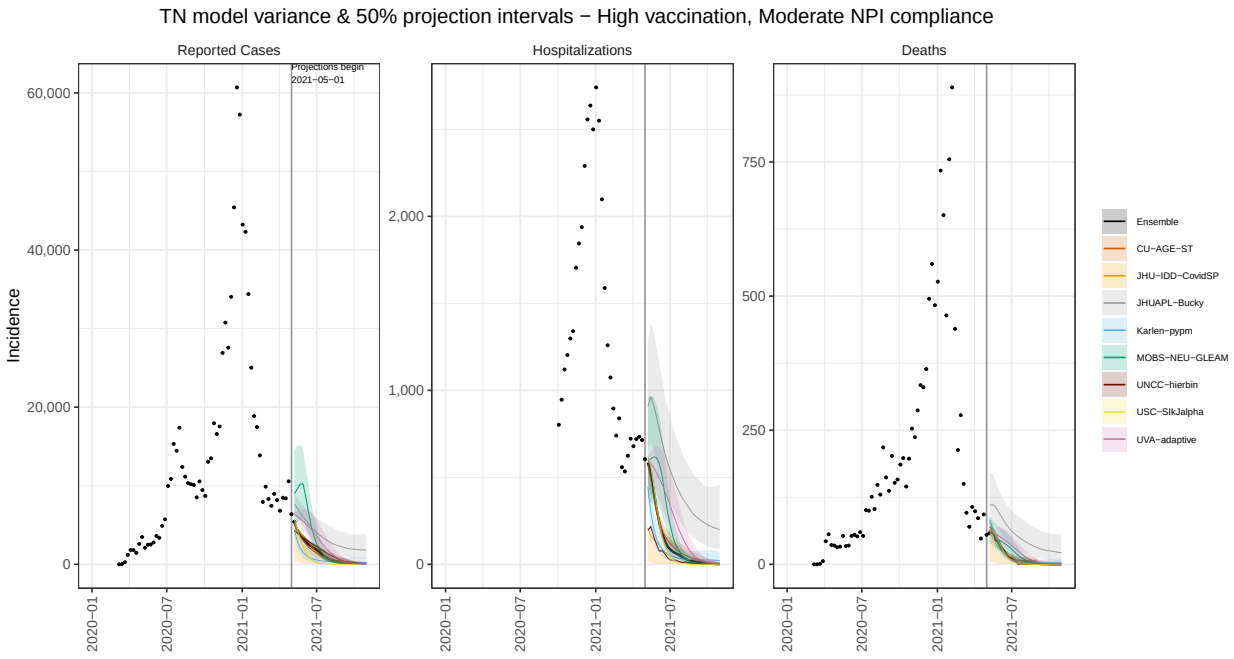

OR model variance & 50% projection intervals − High vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
20,000
10,000
0
1,000
500
200
150
100
50
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

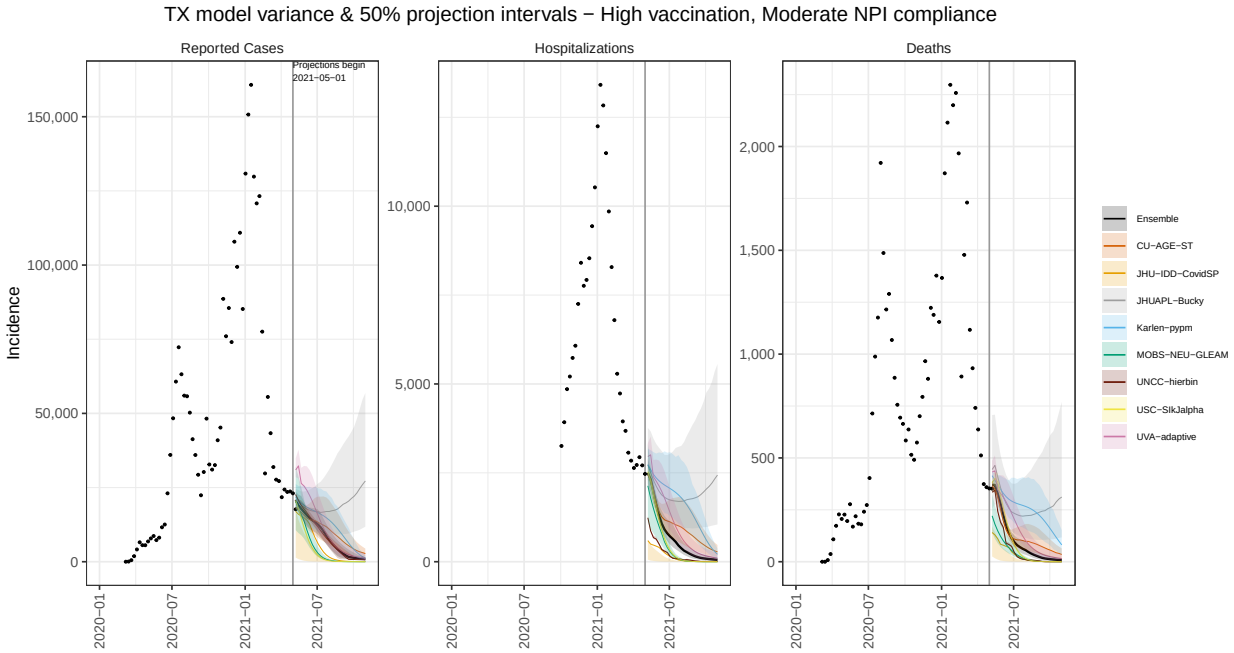

PA model variance & 50% projection intervals − High vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
60,000
40,000
20,000
0
4,000
2,000
1,500
1,000
500
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

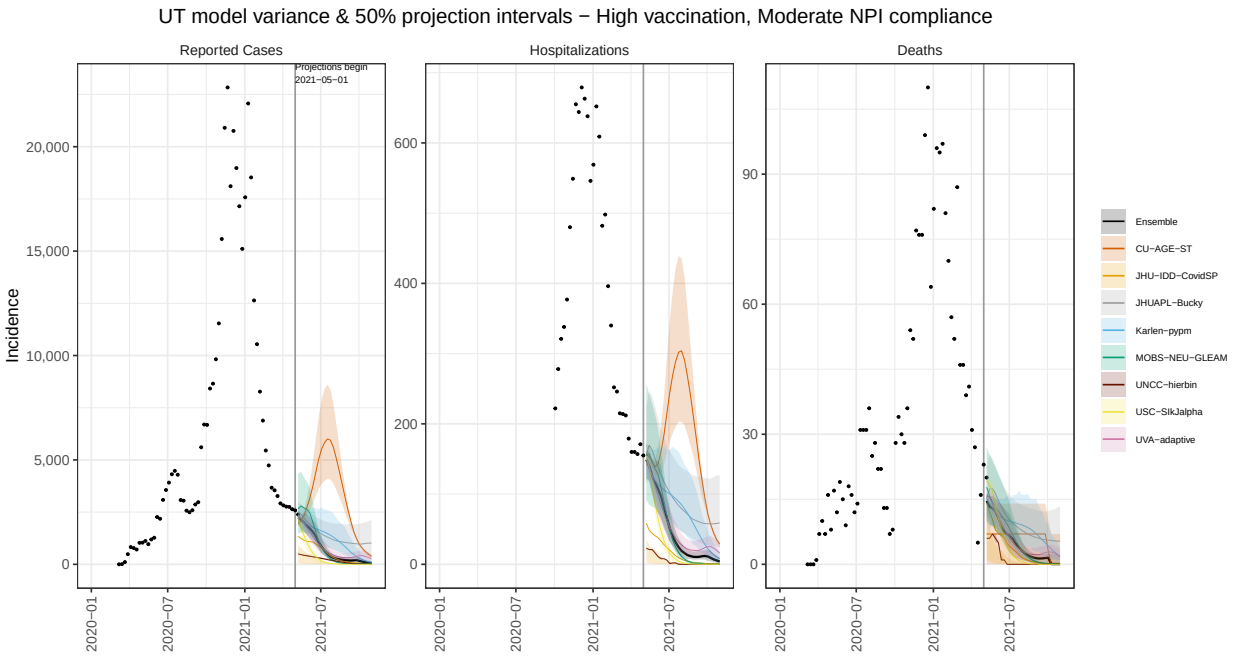

RI model variance & 50% projection intervals − High vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
10,000
7,500
5,000
2,500
0
200
100
50
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

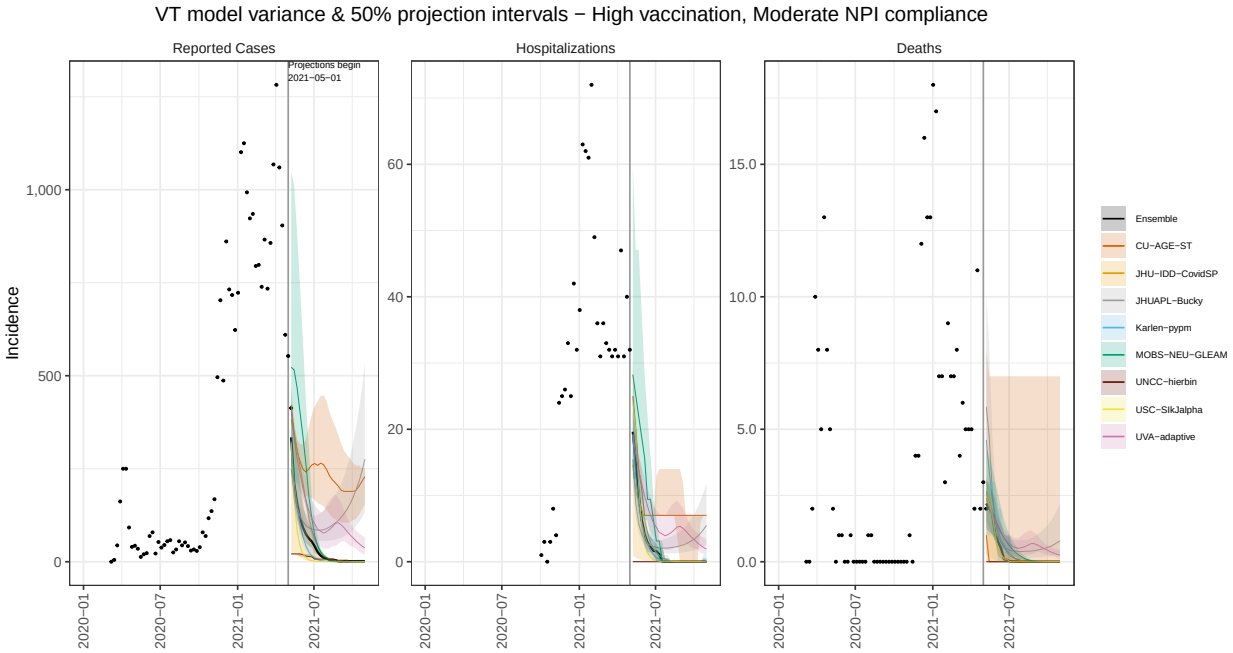

SC model variance & 50% projection intervals − High vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

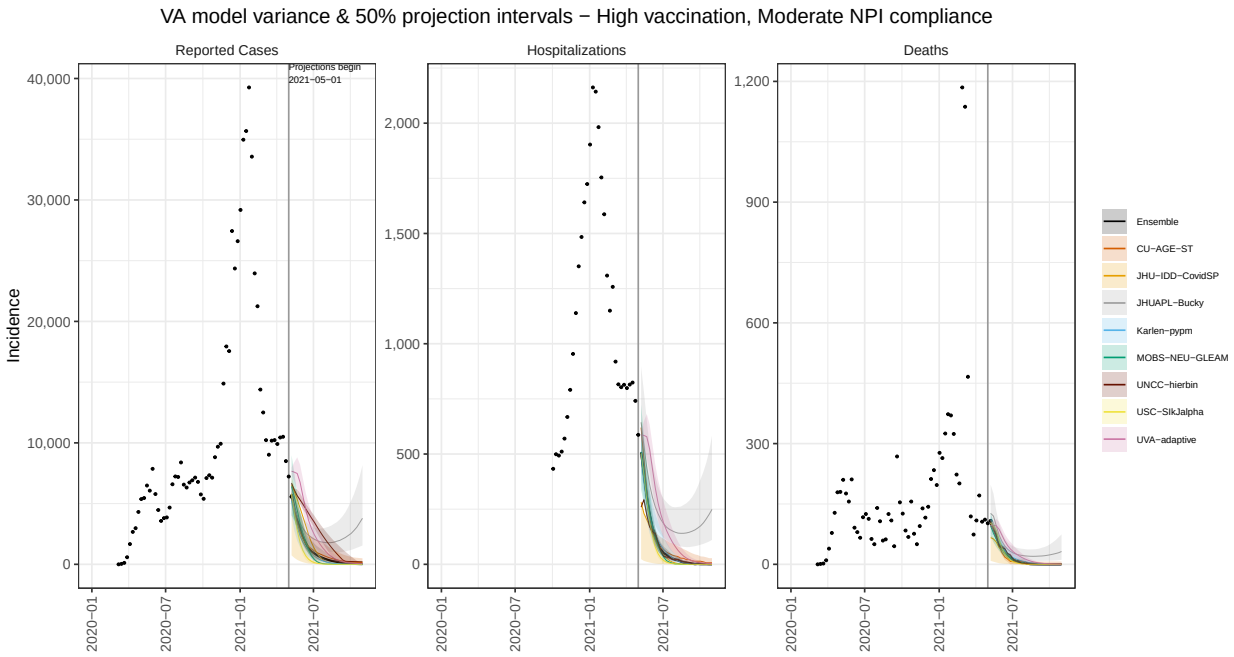

SD model variance & 50% projection intervals − High vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

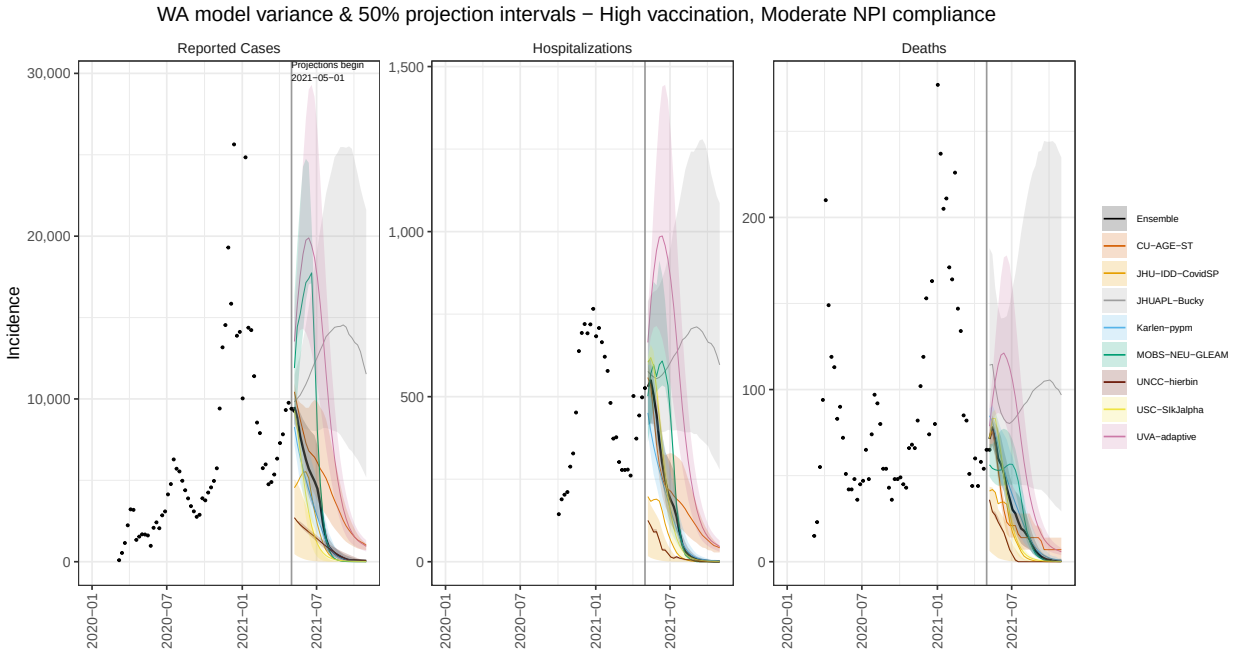

TN model variance & 50% projection intervals − High vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
60,000
40,000
20,000
0
2,000
1,000
750
500
250
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

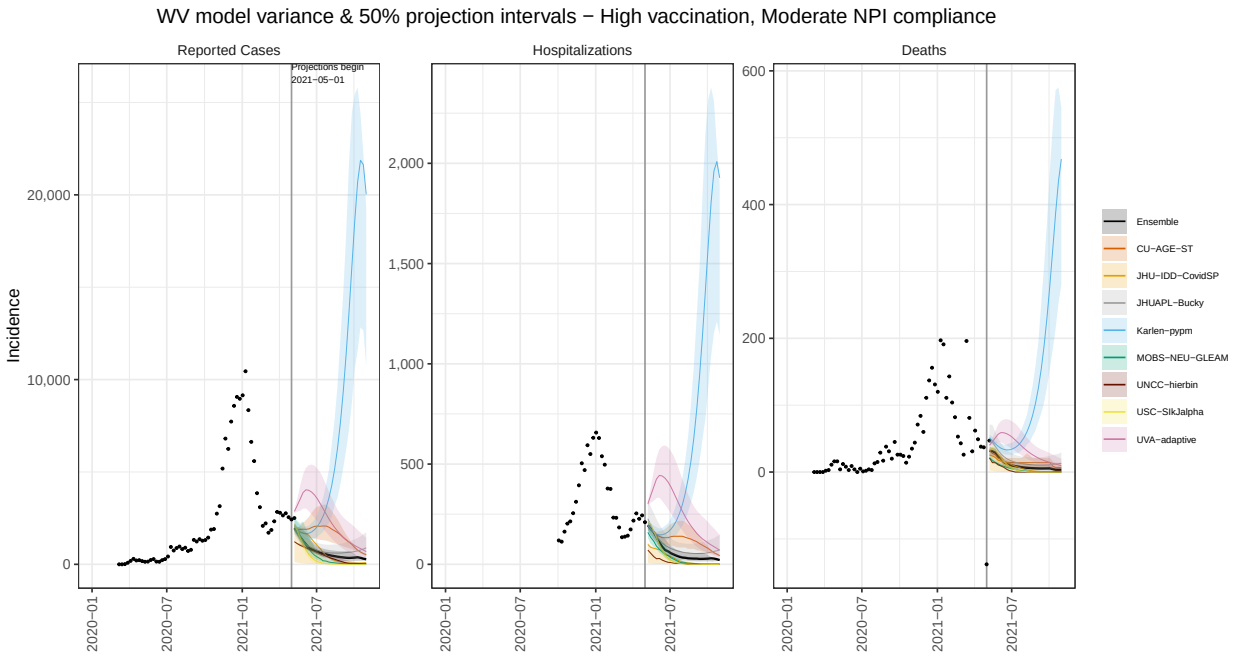

TX model variance & 50% projection intervals − High vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
150,000
100,000
50,000
0
10,000
5,000
2,000
1,500
1,000
500
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

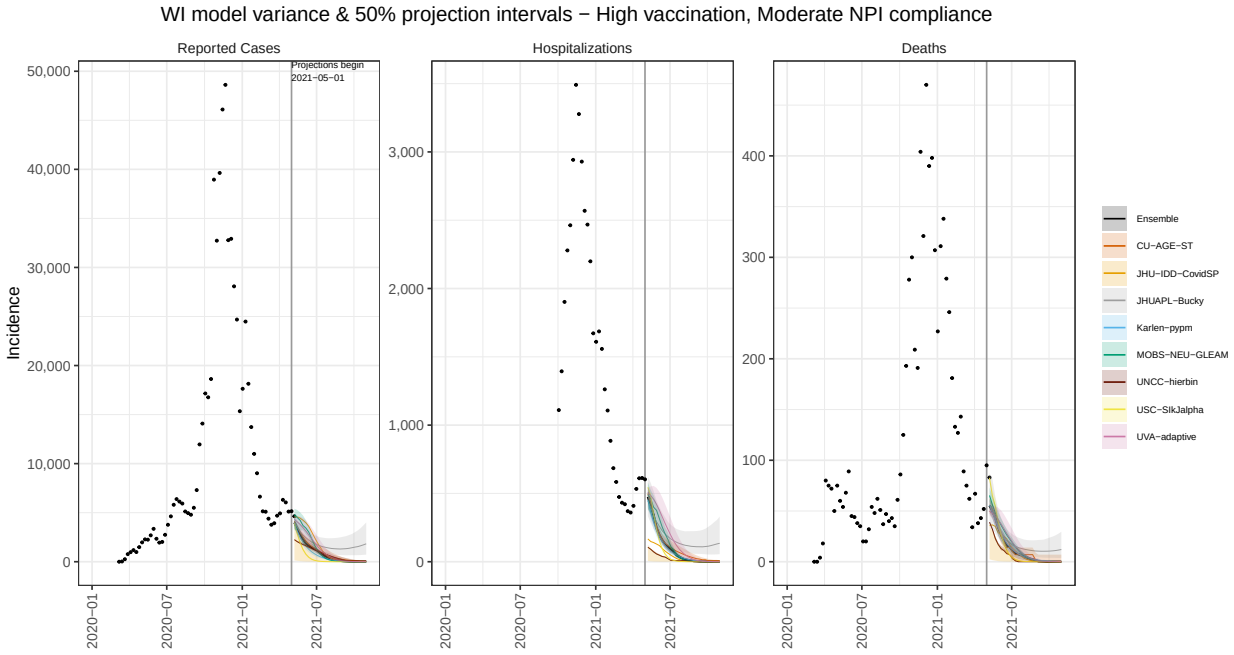

UT model variance & 50% projection intervals − High vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
20,000
15,000
10,000
5,000
0
600
400
200
0
90
60
30
0
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

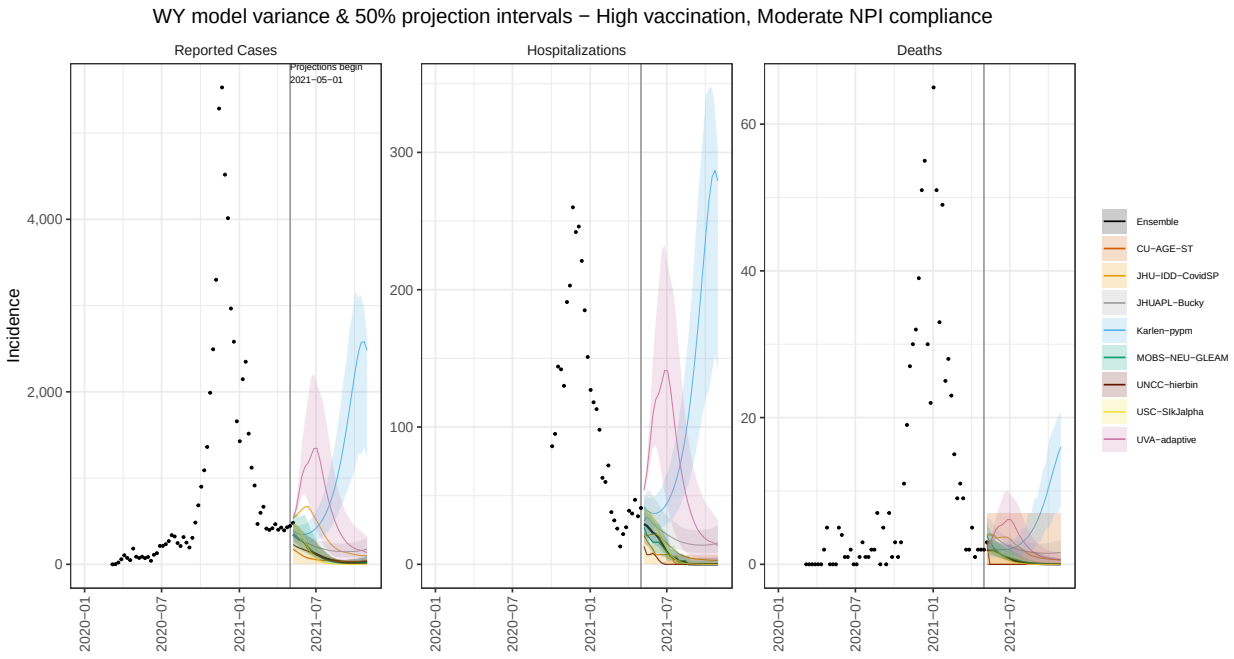

VT model variance & 50% projection intervals − High vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
1,000
500
0
60
40
20
0
15.0
10.0
5.0
0.0
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

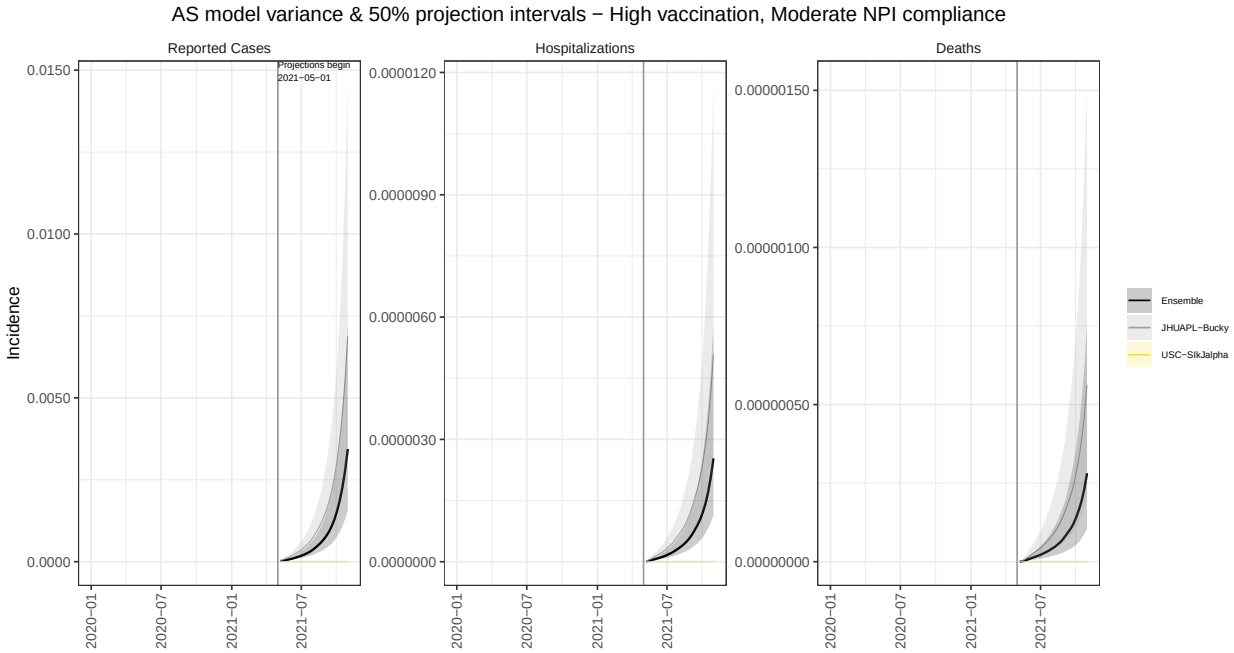

VA model variance & 50% projection intervals − High vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive


WA model variance & 50% projection intervals − High vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

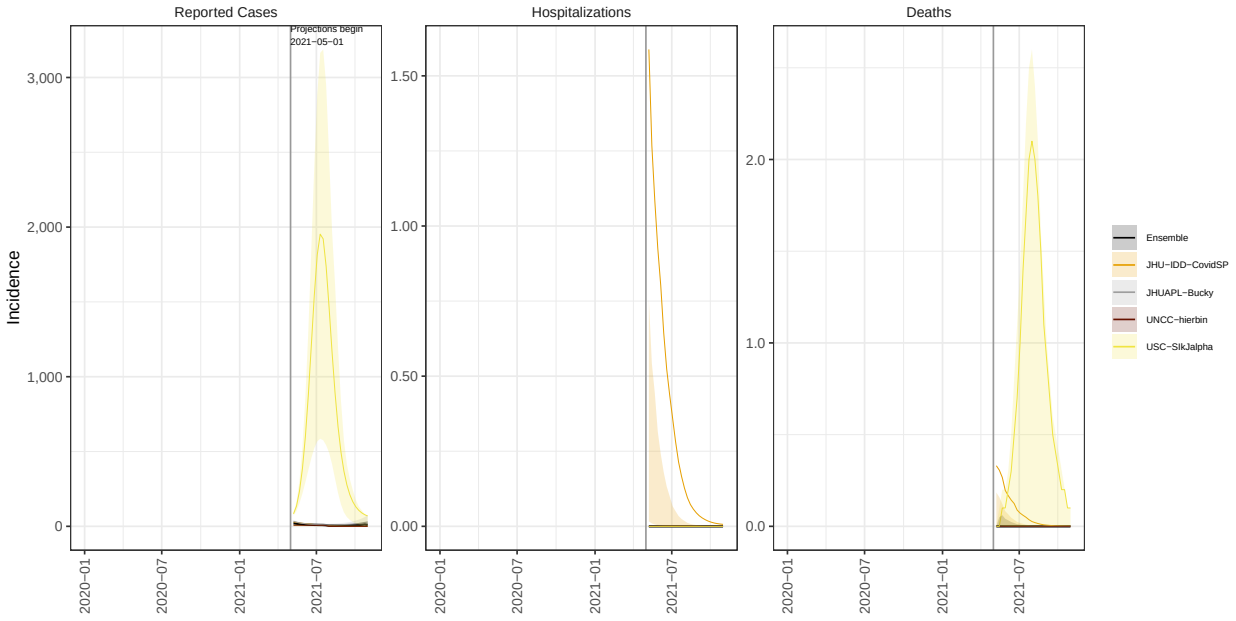

WV model variance & 50% projection intervals − High vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive


WI model variance & 50% projection intervals − High vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

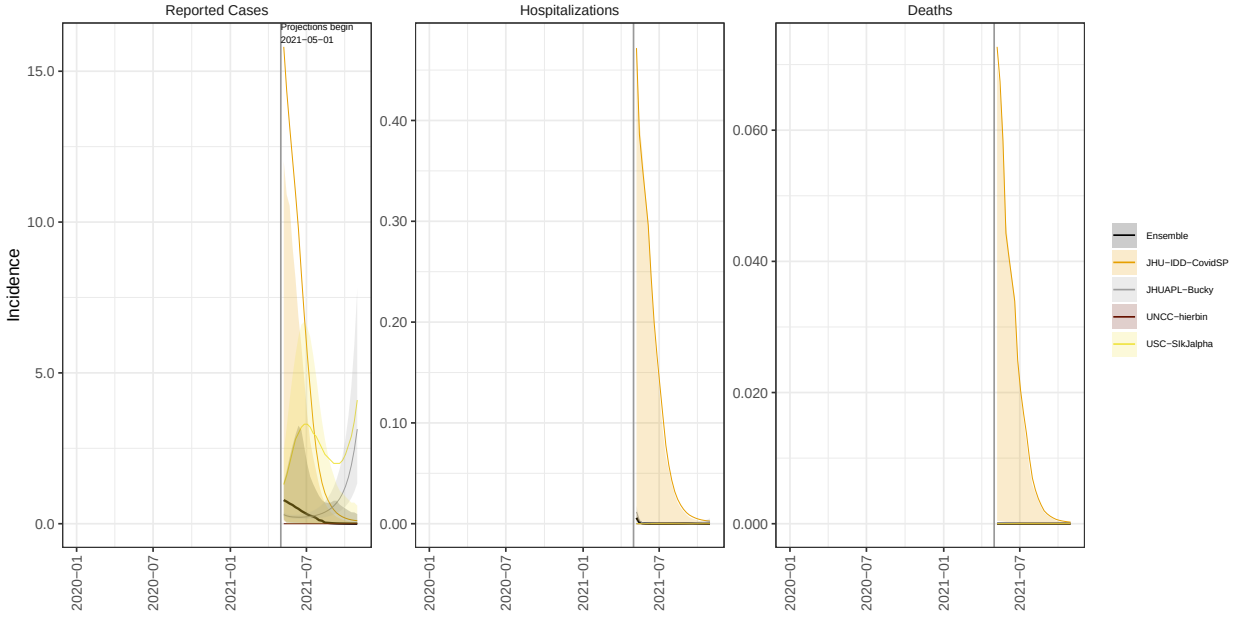

WY model variance & 50% projection intervals − High vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

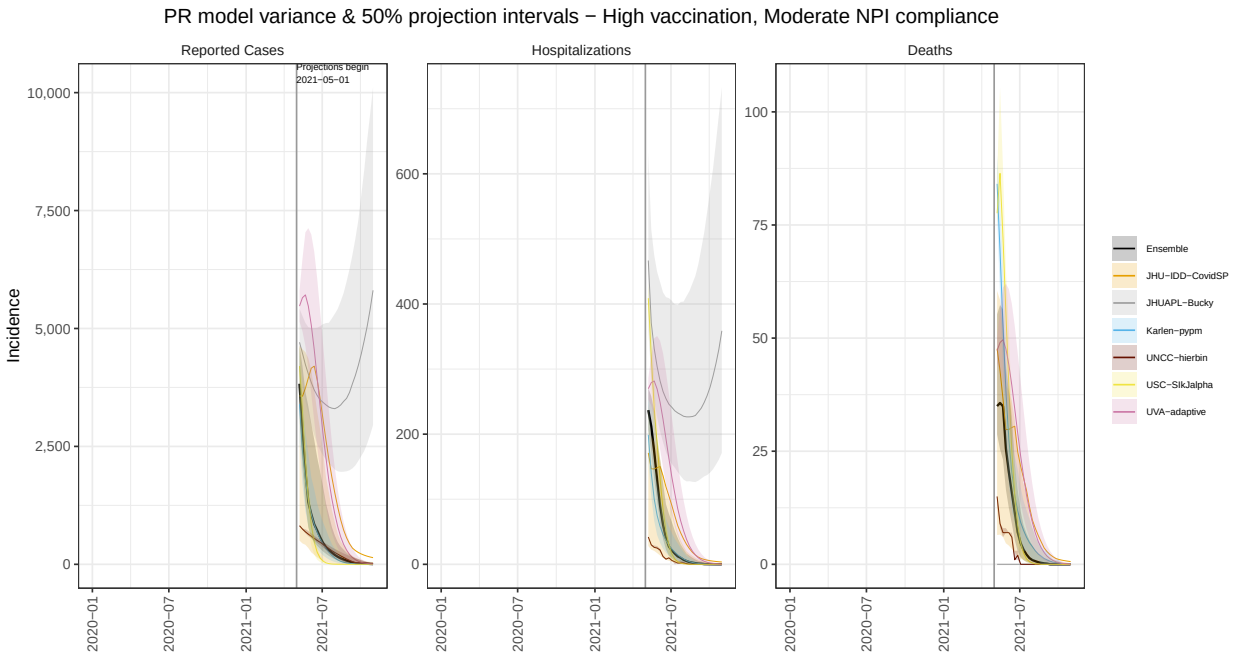

AS model variance & 50% projection intervals − High vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
JHUAPL−Bucky
USC−SIkJalpha

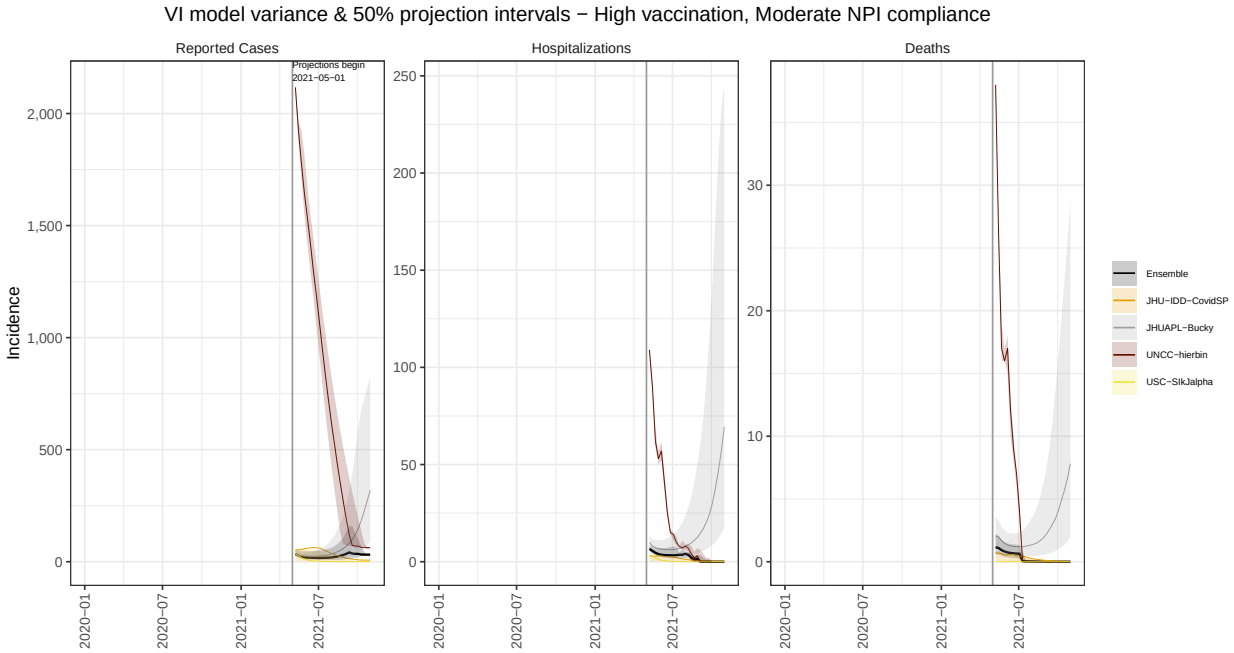
GU model variance & 50% projection intervals − High vaccination, Moderate NPI compliance



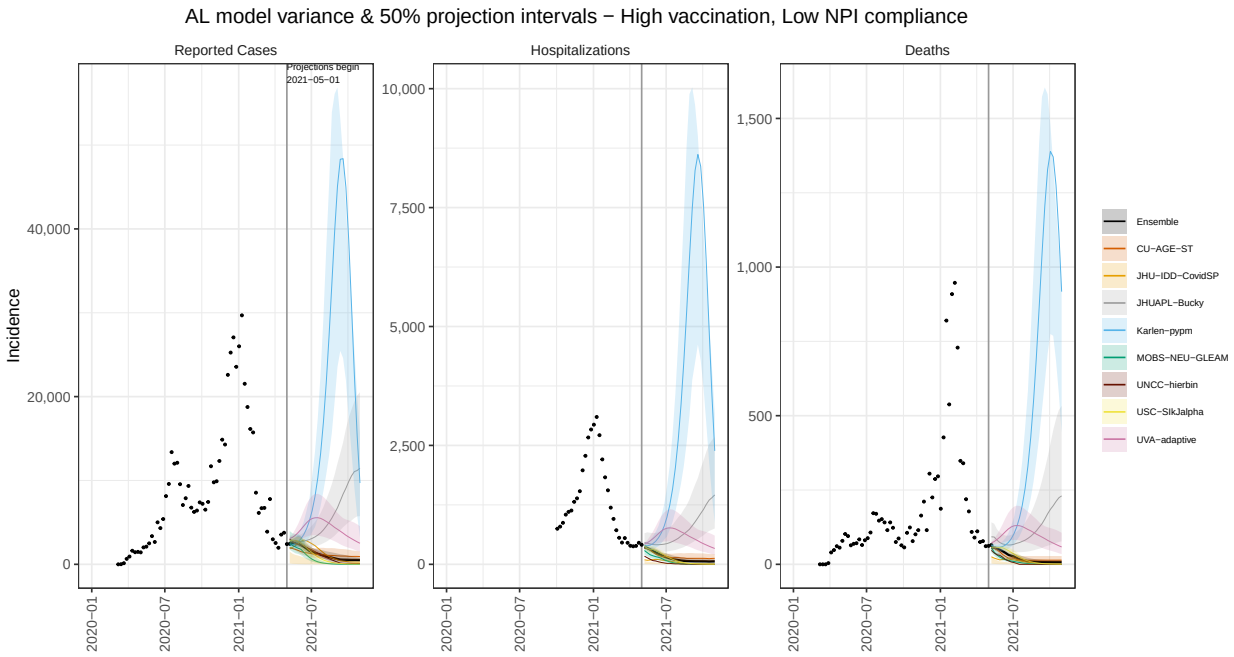
MP model variance & 50% projection intervals − High vaccination, Moderate NPI compliance

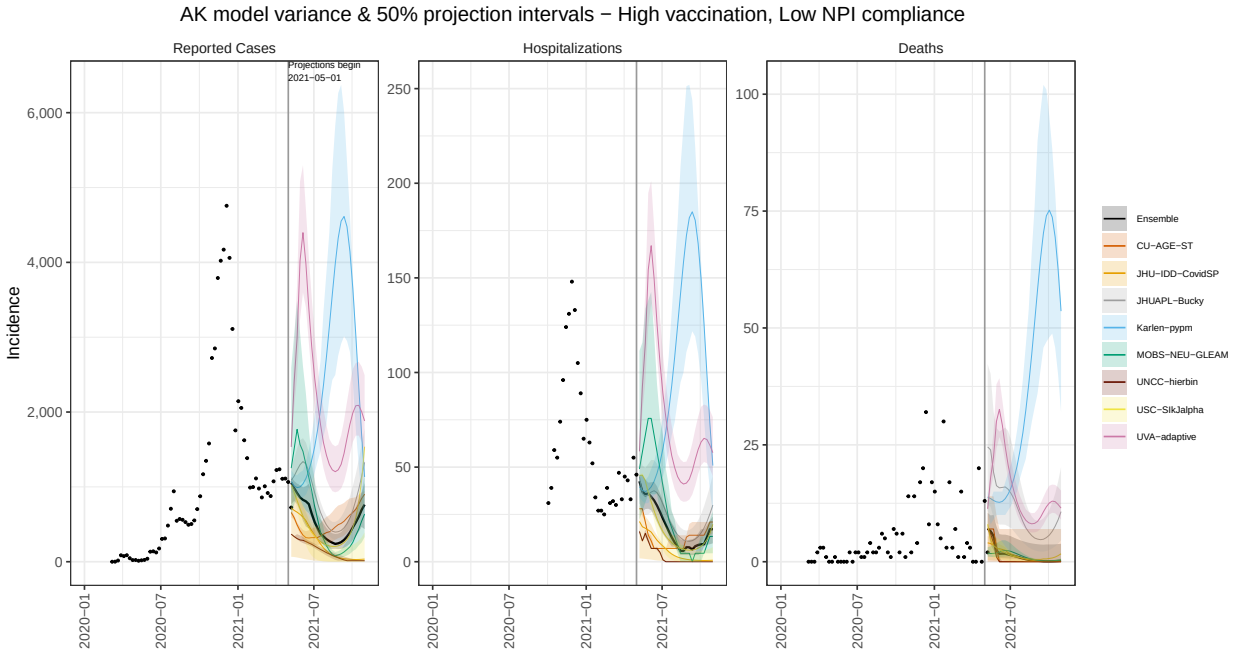


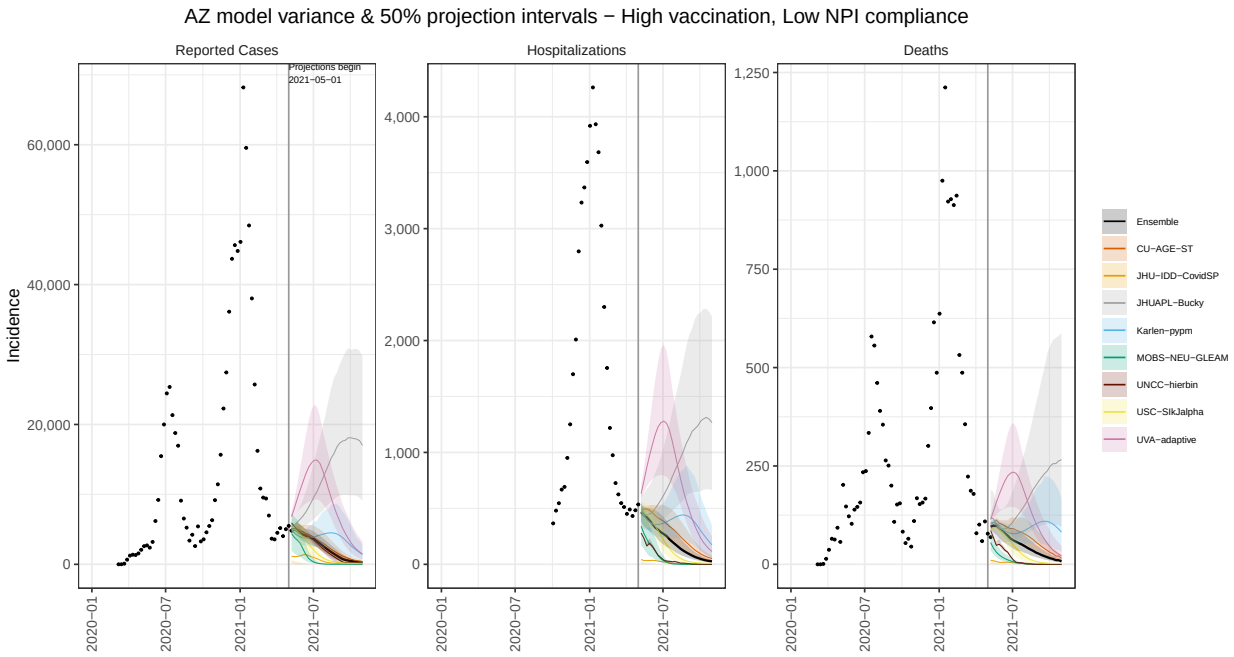


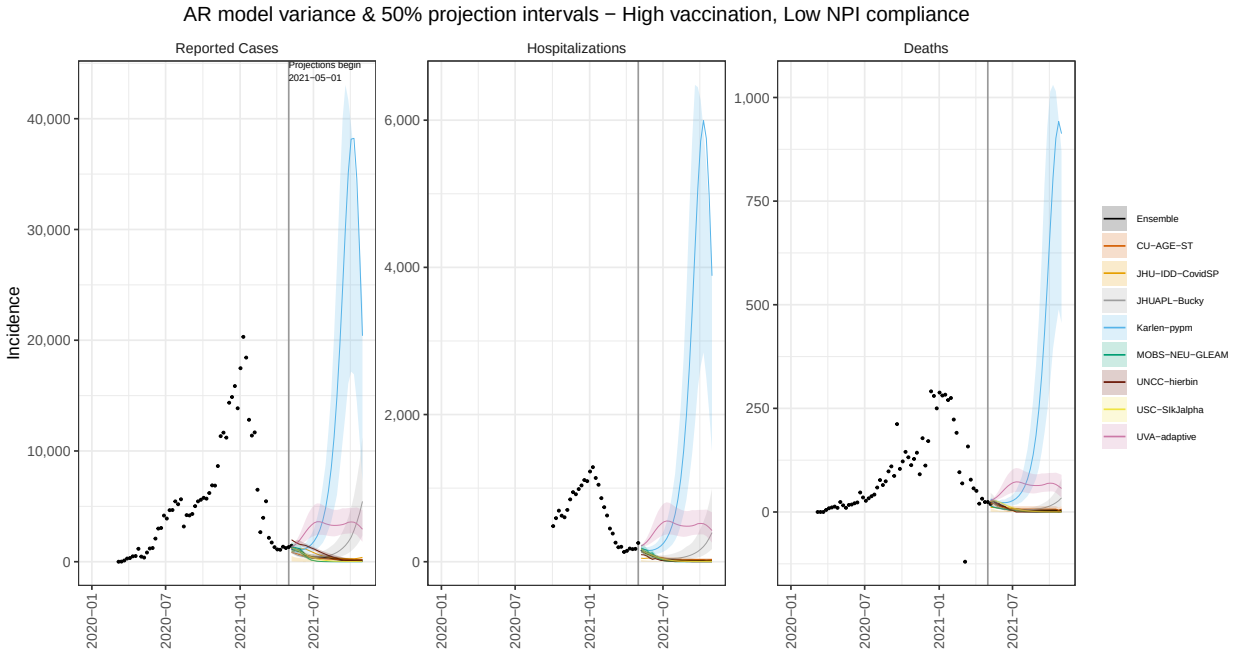


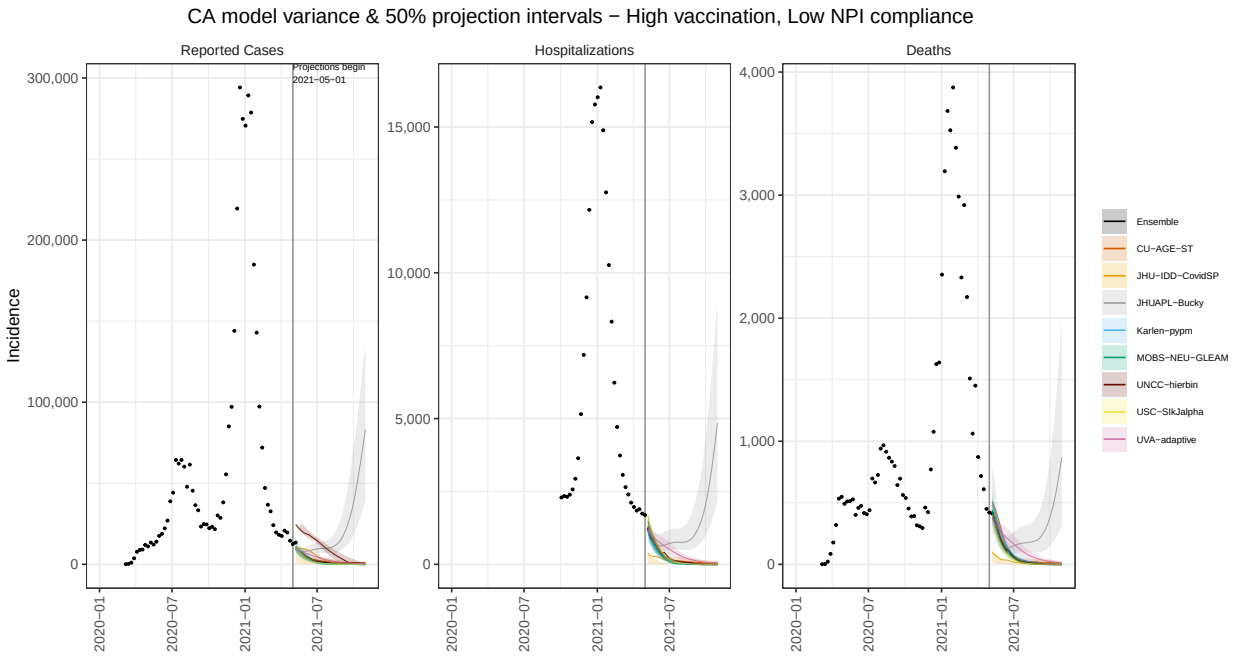
National model variation for the high vaccination, low NPI scenario

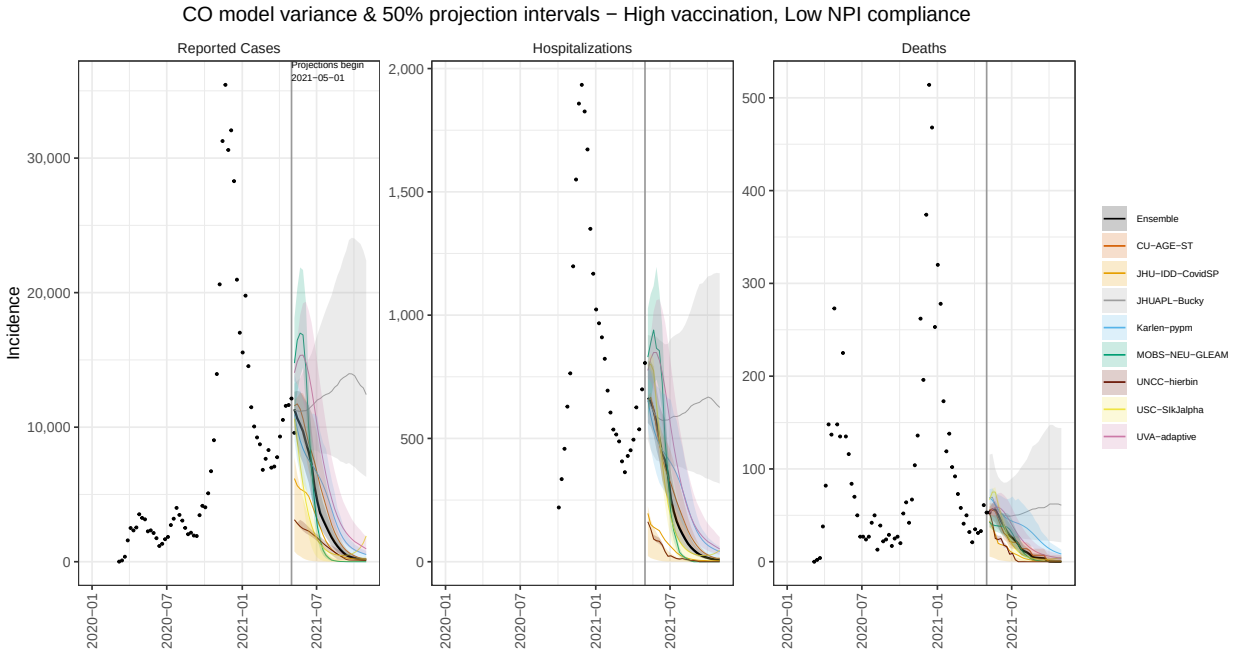

AL model variance & 50% projection intervals − High vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
40,000
20,000
0
10,000
7,500
5,000
2,500
1,500
1,000
500
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

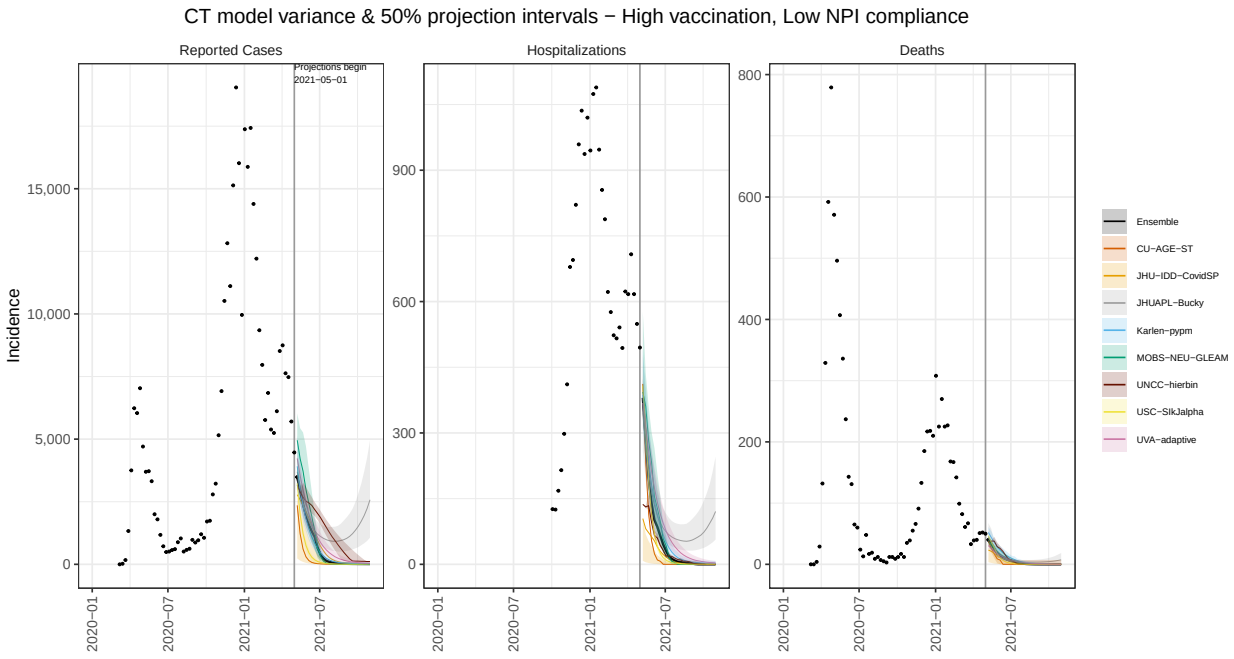

AK model variance & 50% projection intervals − High vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
6,000
4,000
2,000
0
250
200
150
100
50
75
25
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

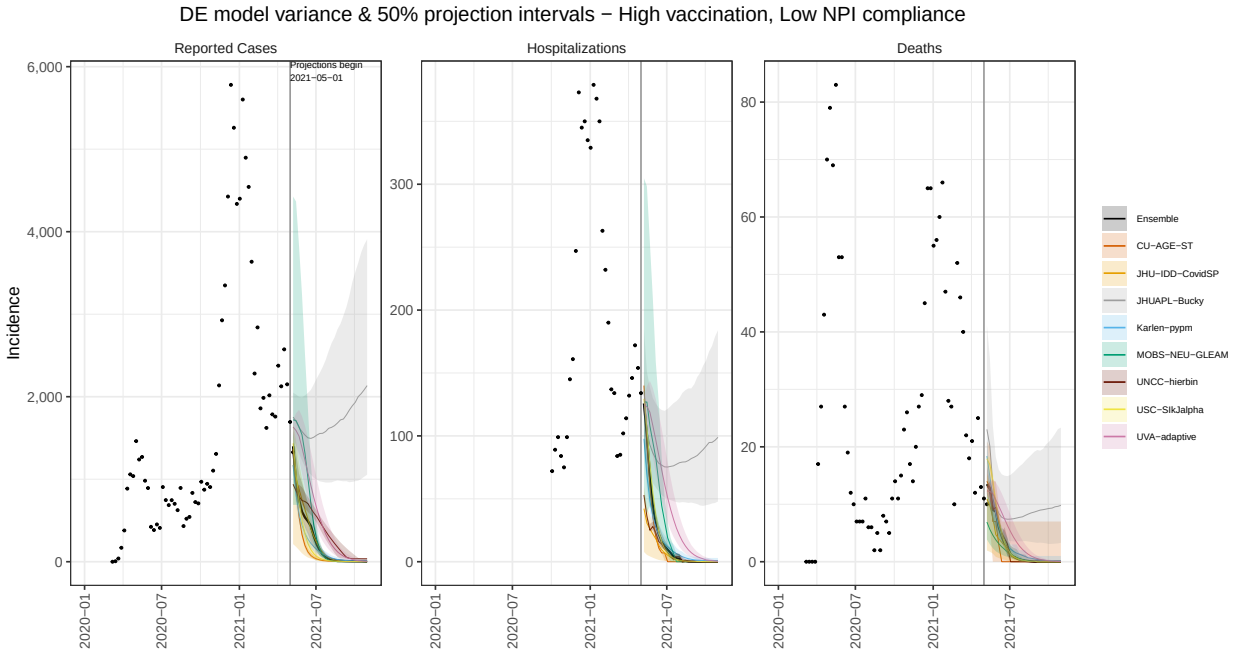

AZ model variance & 50% projection intervals − High vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive


AR model variance & 50% projection intervals − High vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

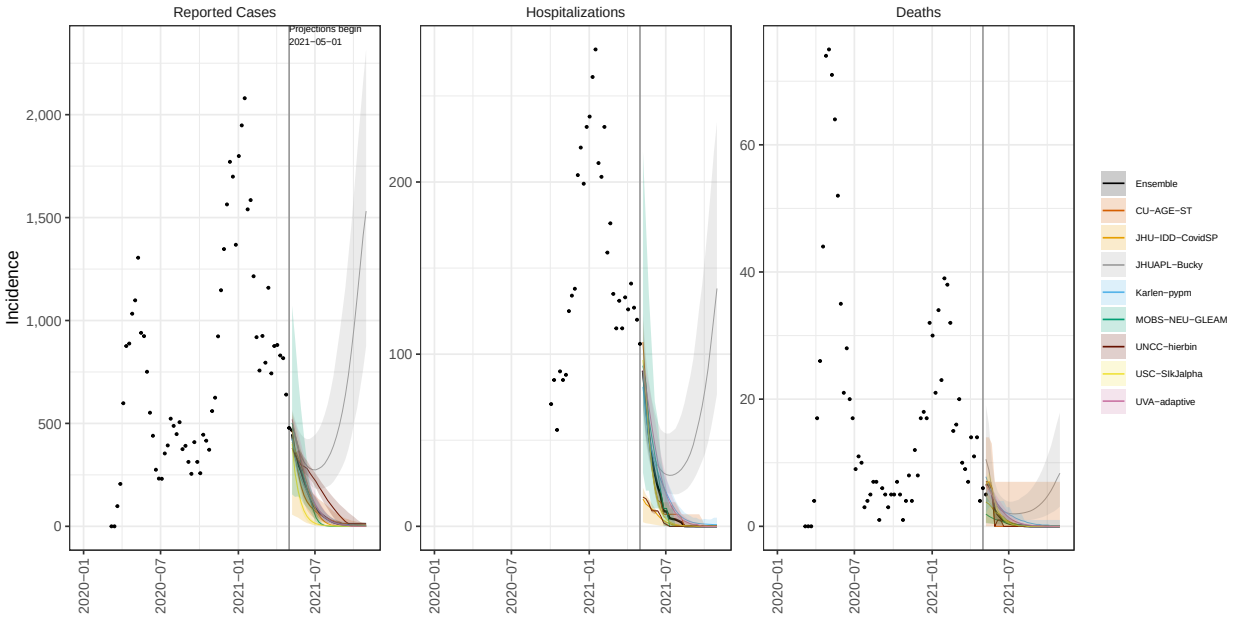

CA model variance & 50% projection intervals − High vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
300,000
200,000
100,000
0
15,000
10,000
5,000
4,000
3,000
2,000
1,000
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive


CO model variance & 50% projection intervals − High vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
30,000
20,000
10,000
0
2,000
1,500
1,000
500
400
300
200
100
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

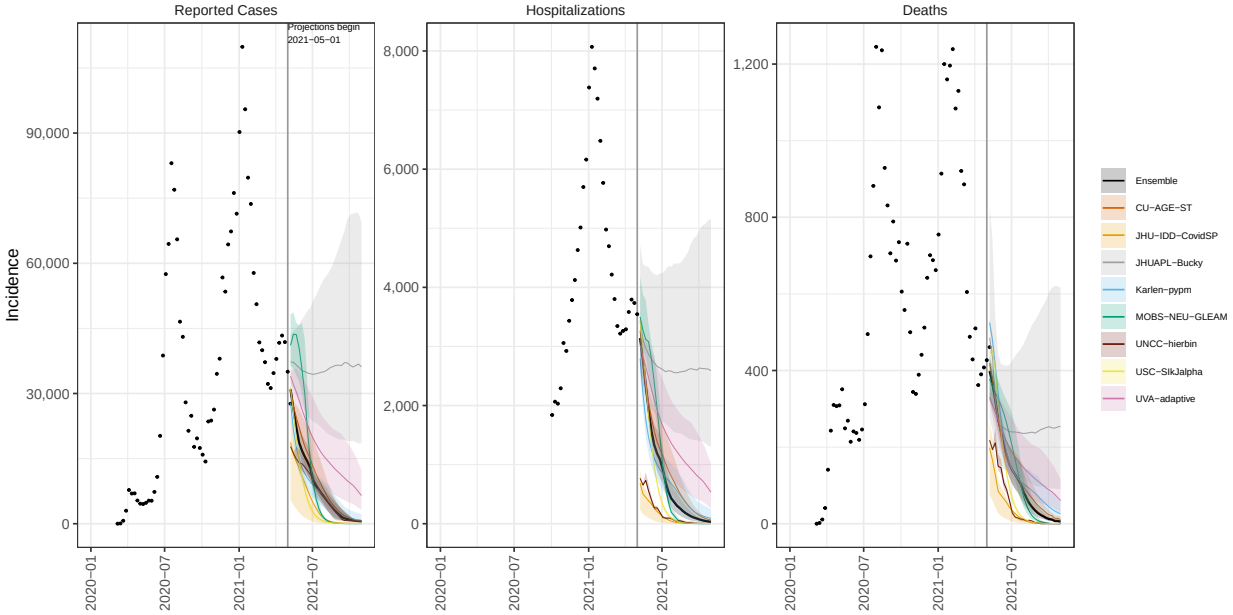

CT model variance & 50% projection intervals − High vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

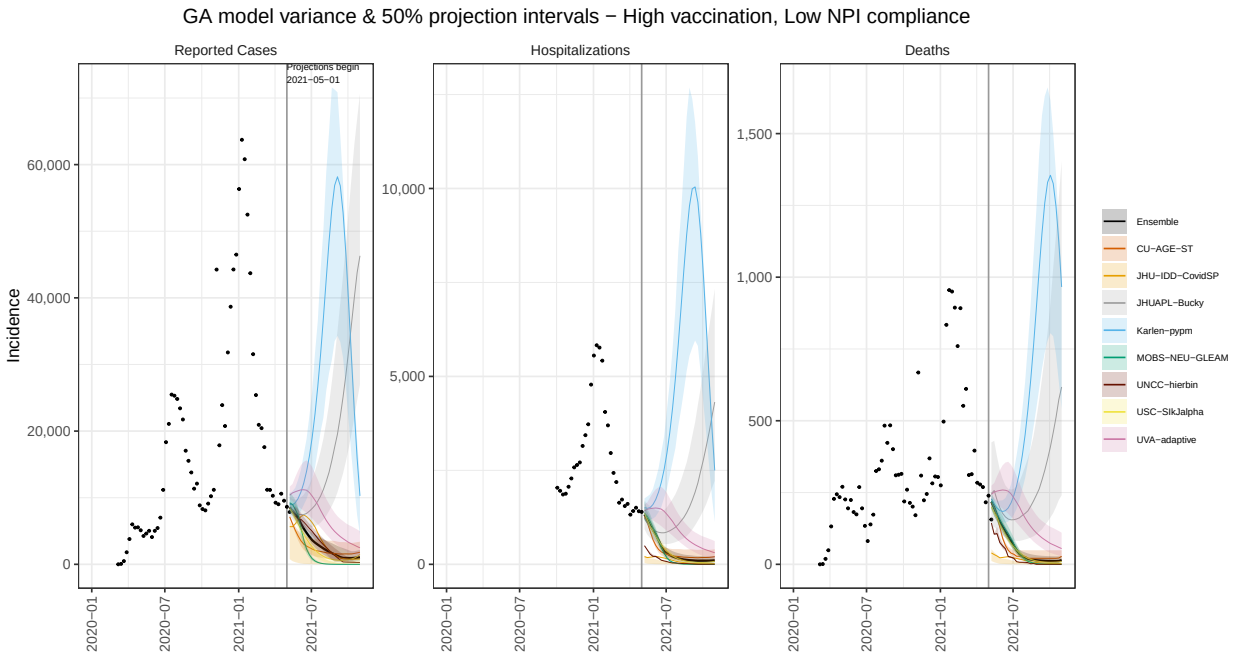

DE model variance & 50% projection intervals − High vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

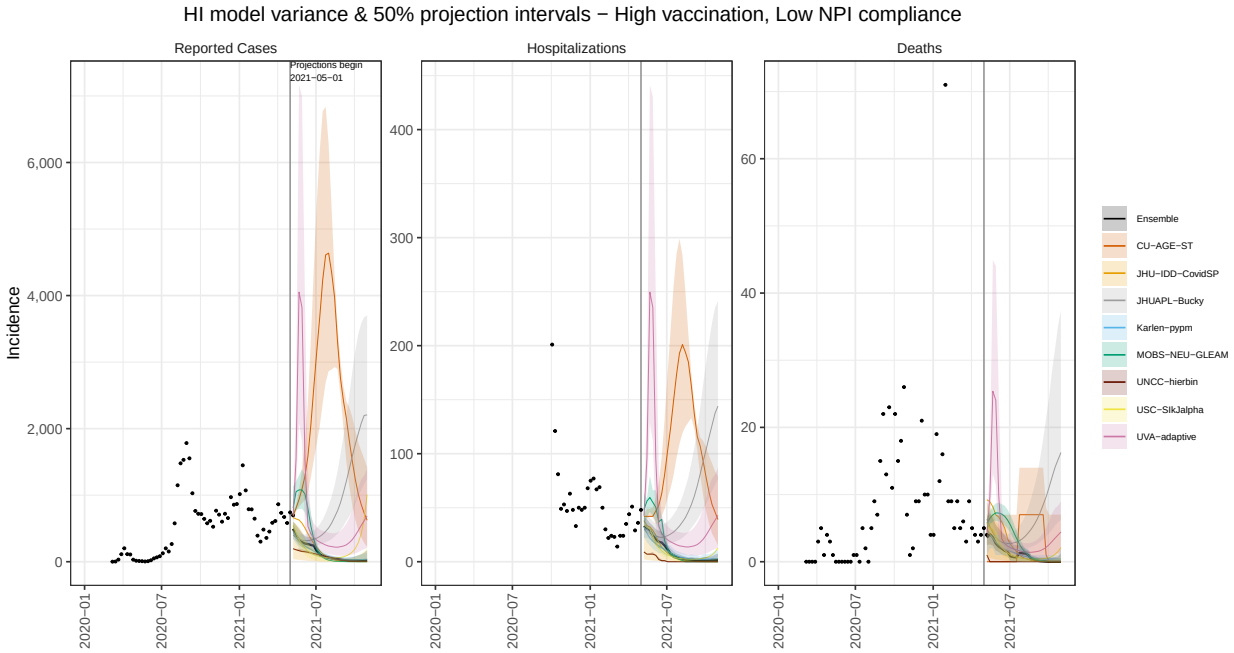
DC model variance & 50% projection intervals − High vaccination, Low NPI compliance

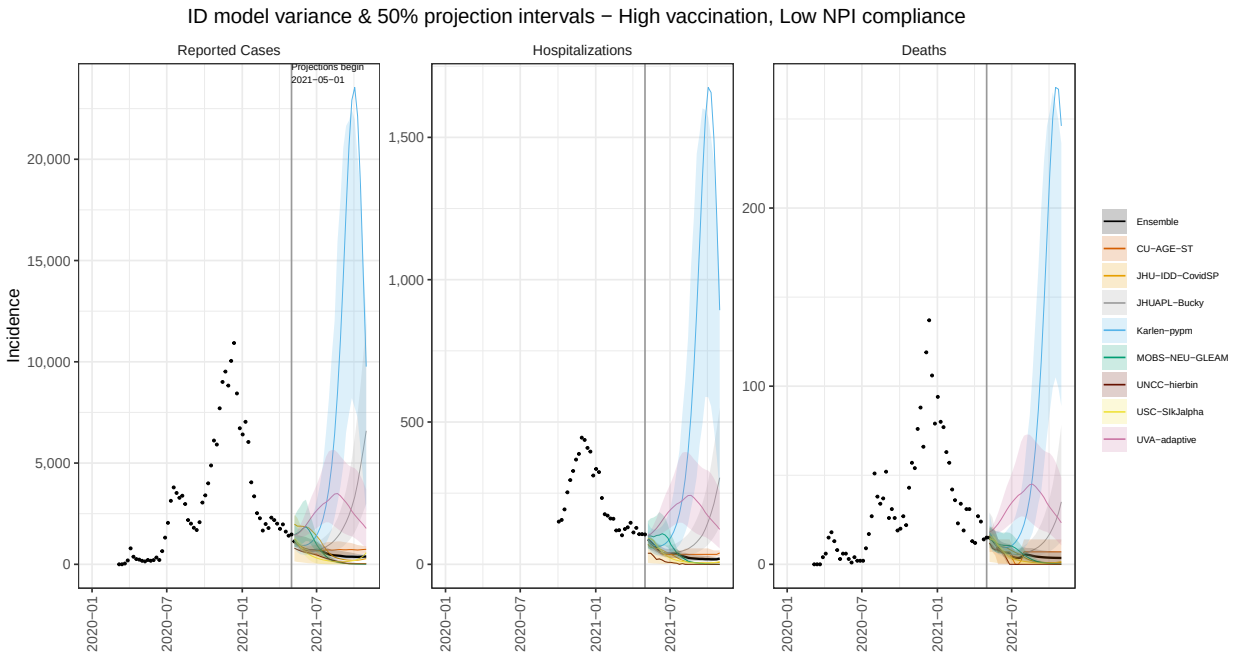


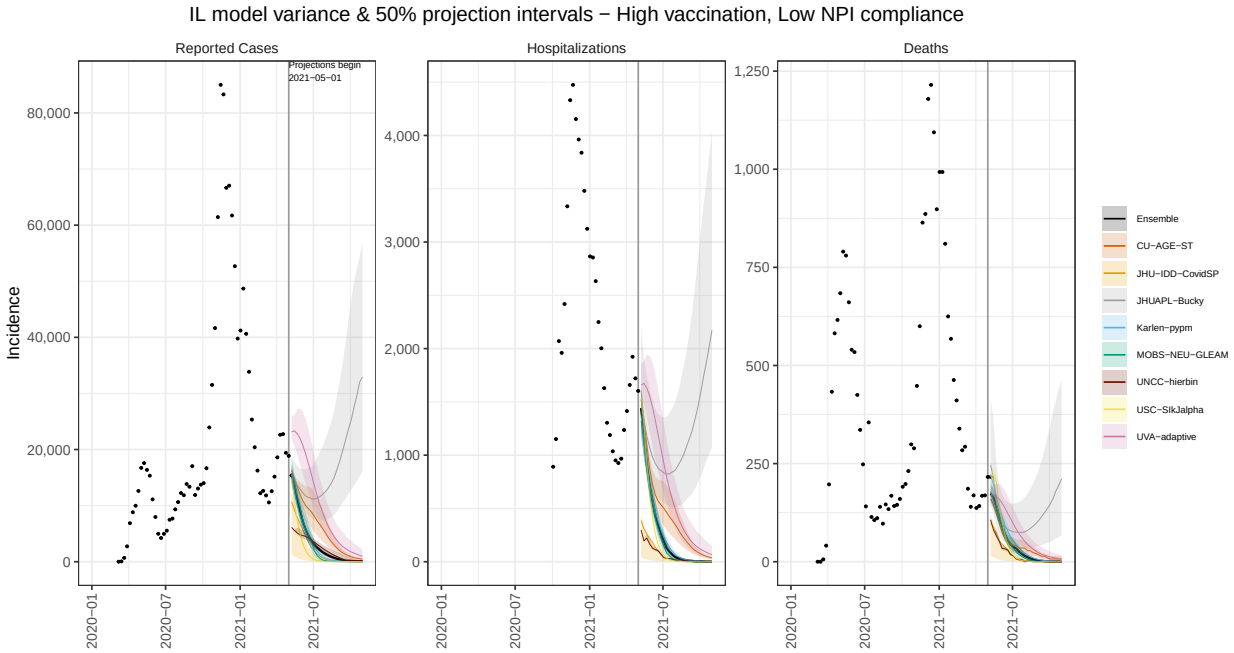
FL model variance & 50% projection intervals − High vaccination, Low NPI compliance

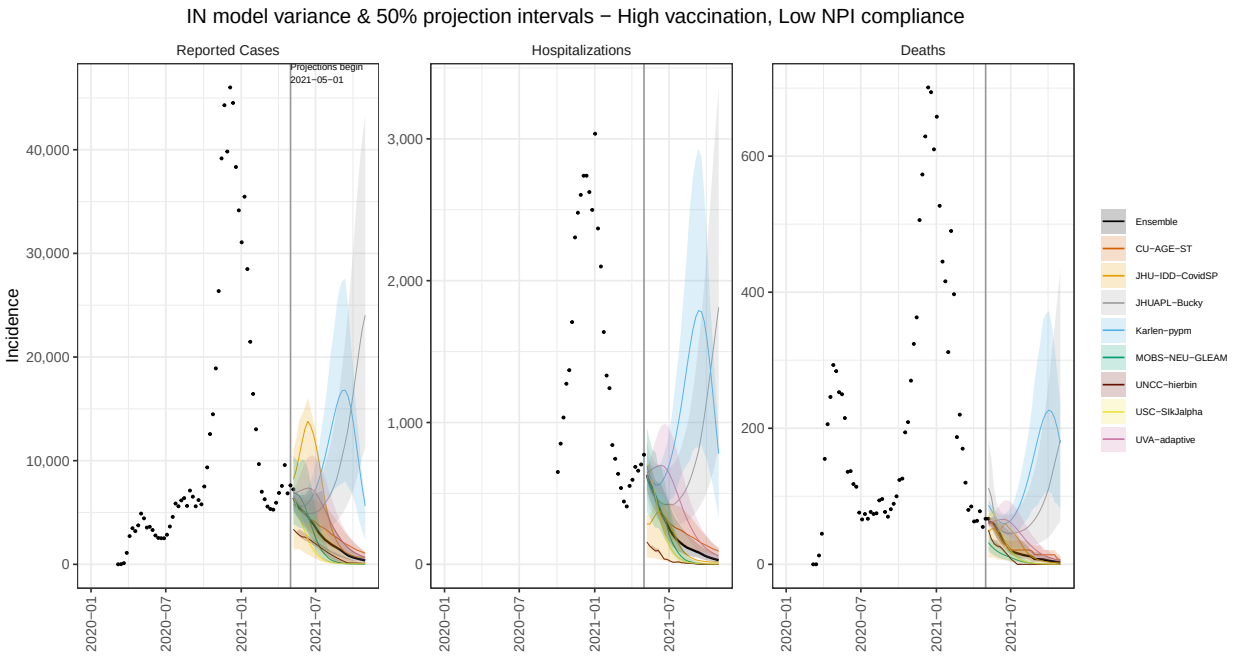


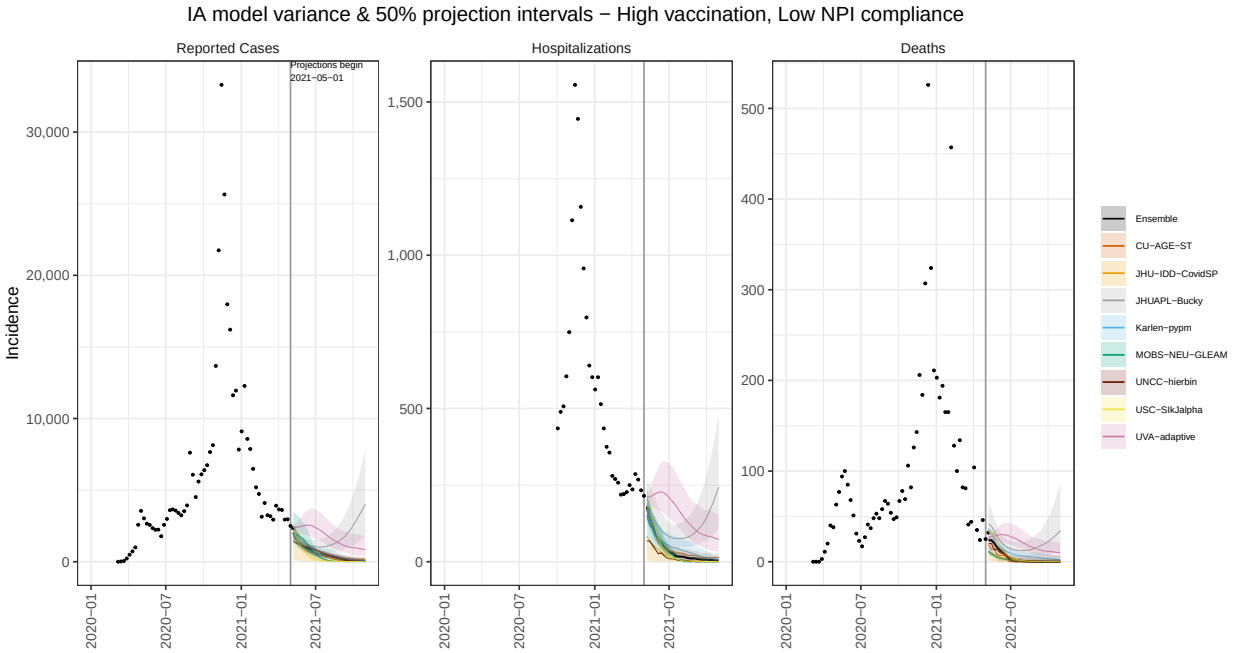

GA model variance & 50% projection intervals − High vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
60,000
40,000
20,000
0
10,000
5,000
1,500
1,000
500
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

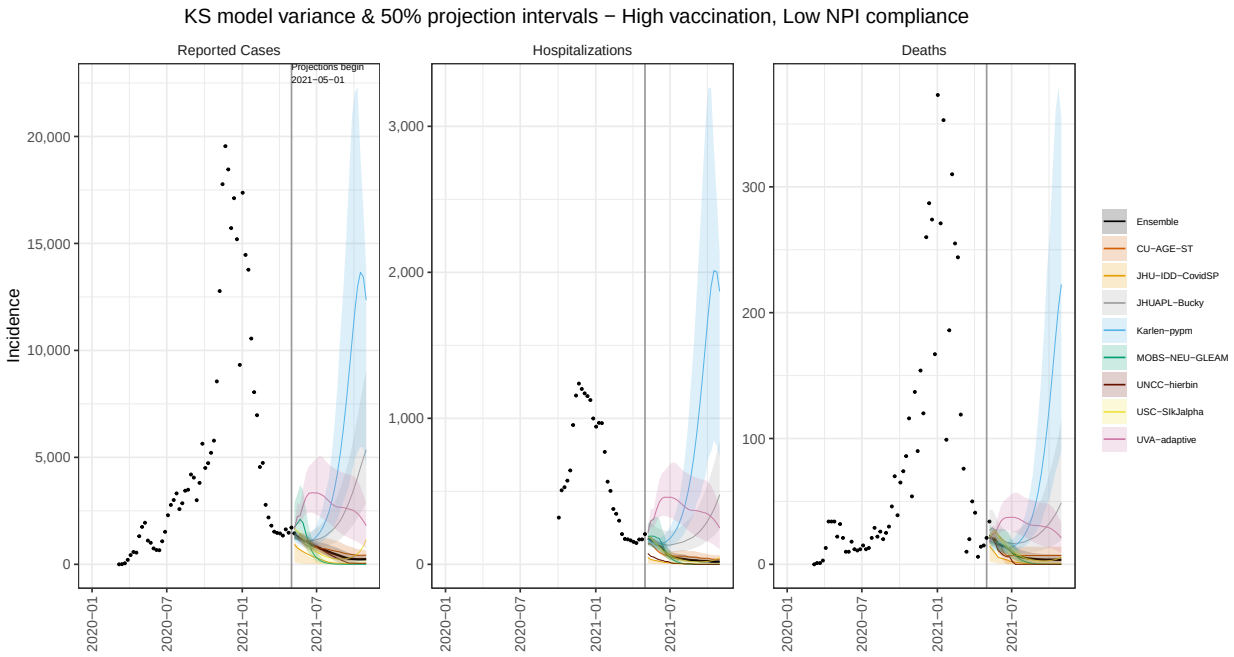

HI model variance & 50% projection intervals − High vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
6,000
4,000
2,000
0
400
300
200
100
60
40
20
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

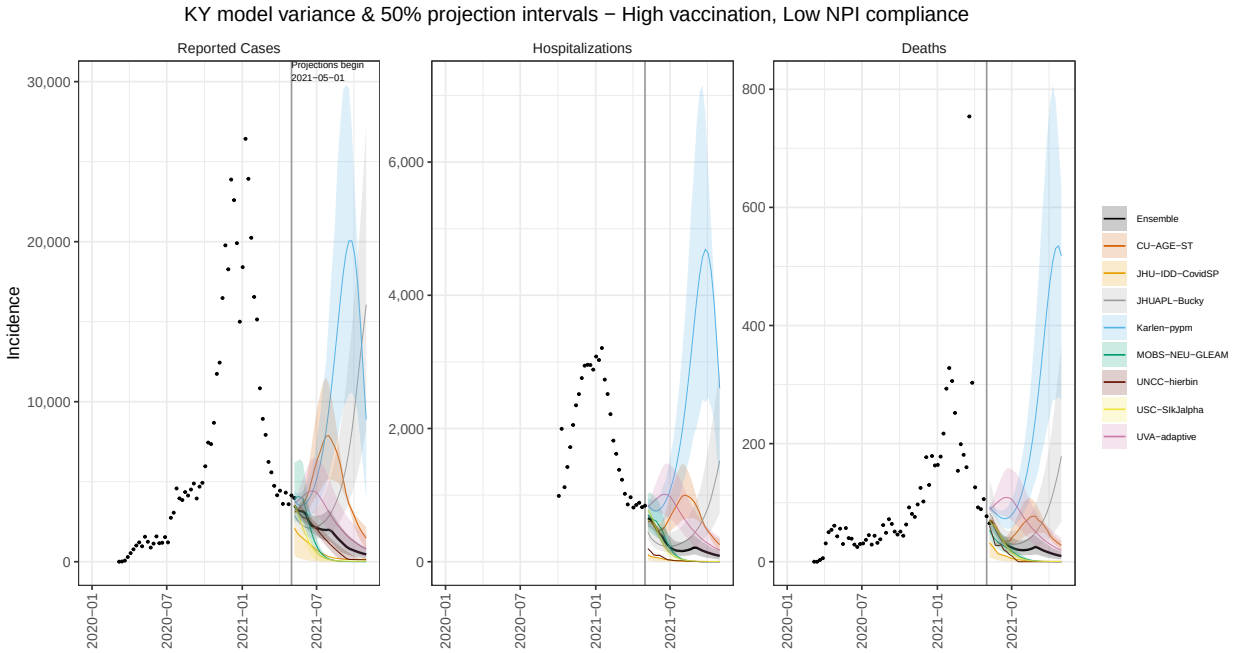

ID model variance & 50% projection intervals − High vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

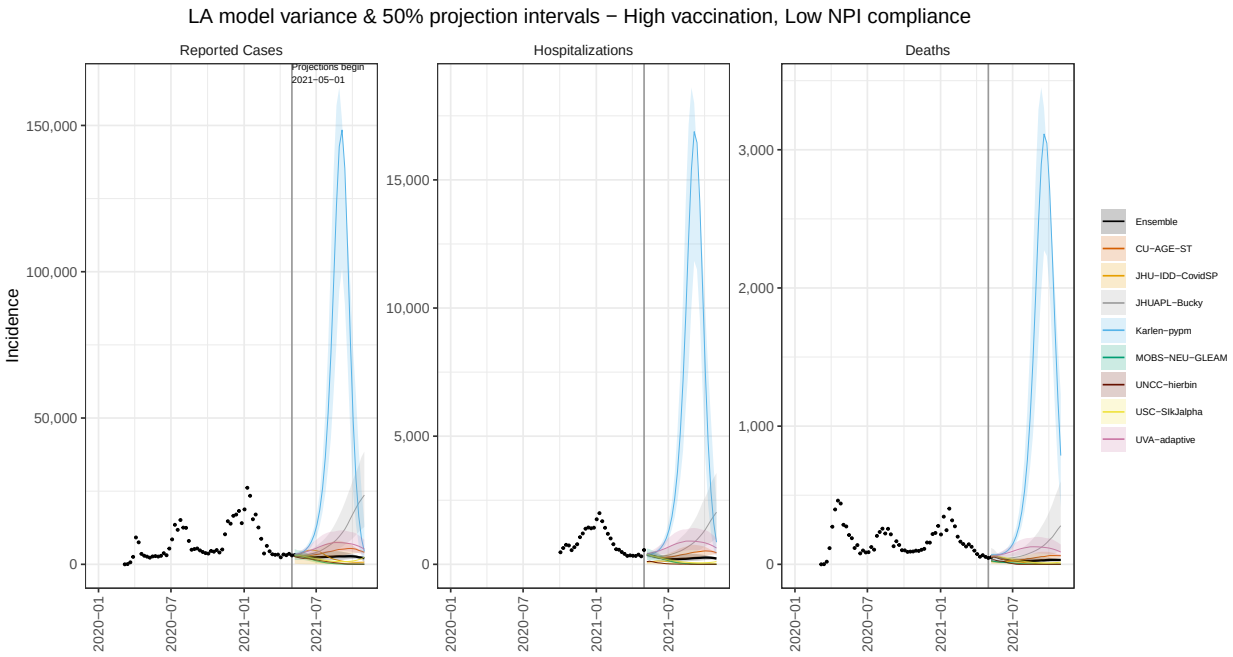

IL model variance & 50% projection intervals − High vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

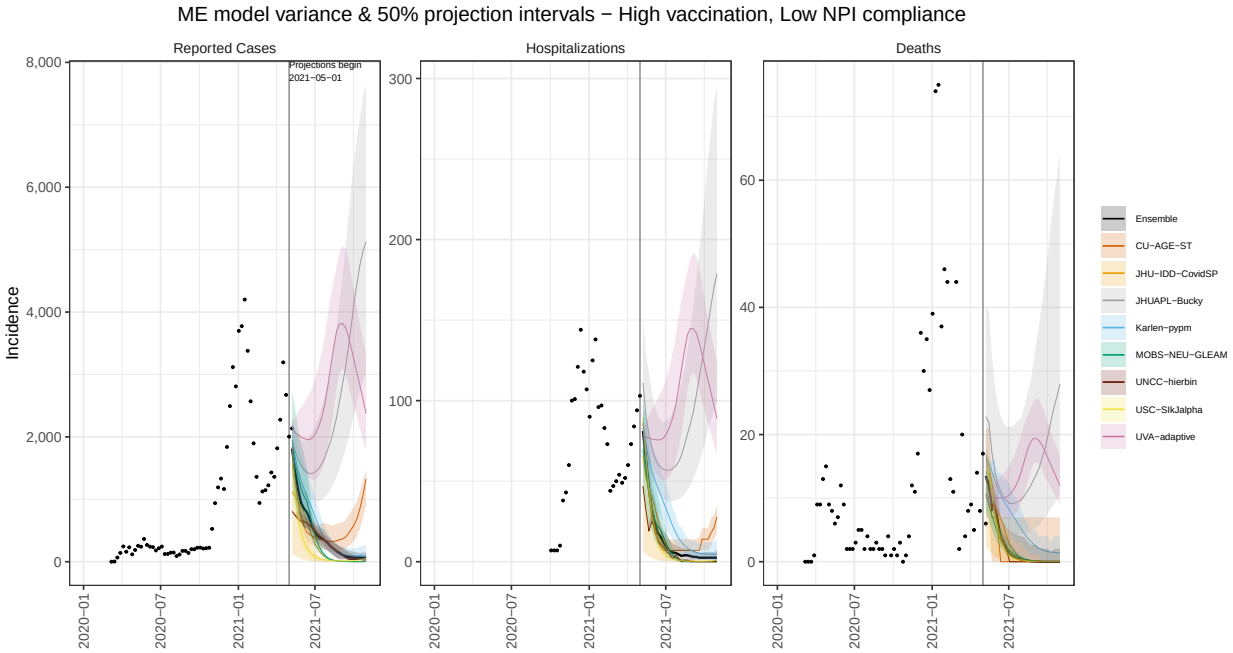

IN model variance & 50% projection intervals − High vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

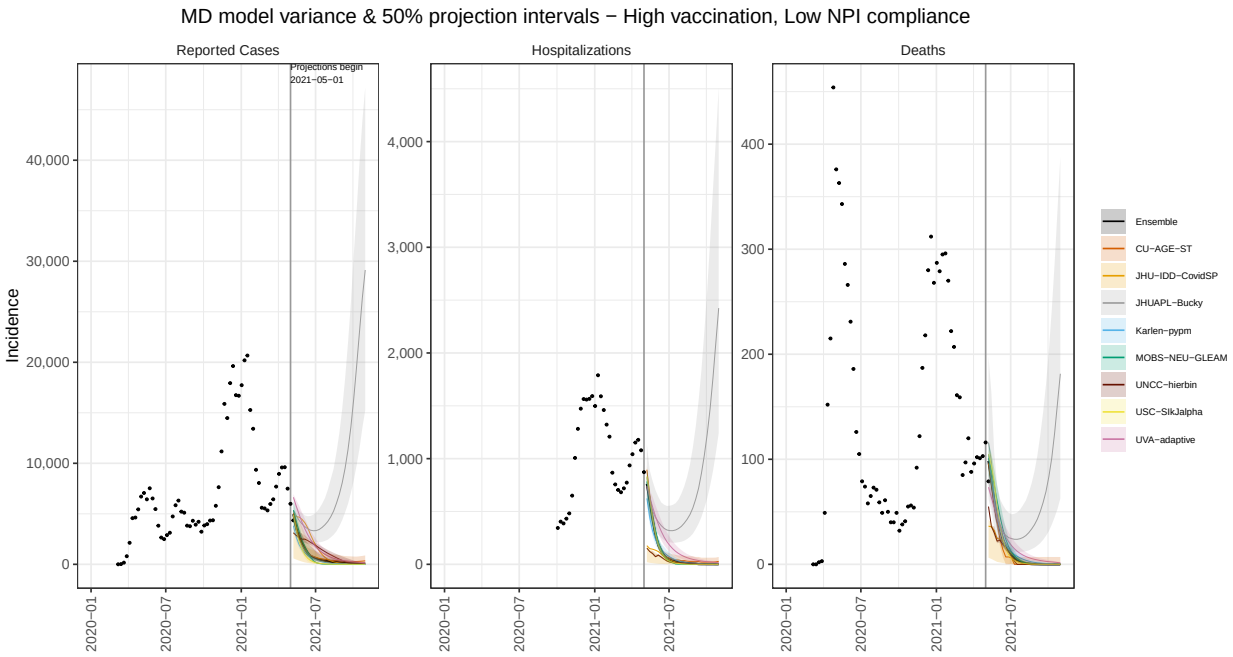

IA model variance & 50% projection intervals − High vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

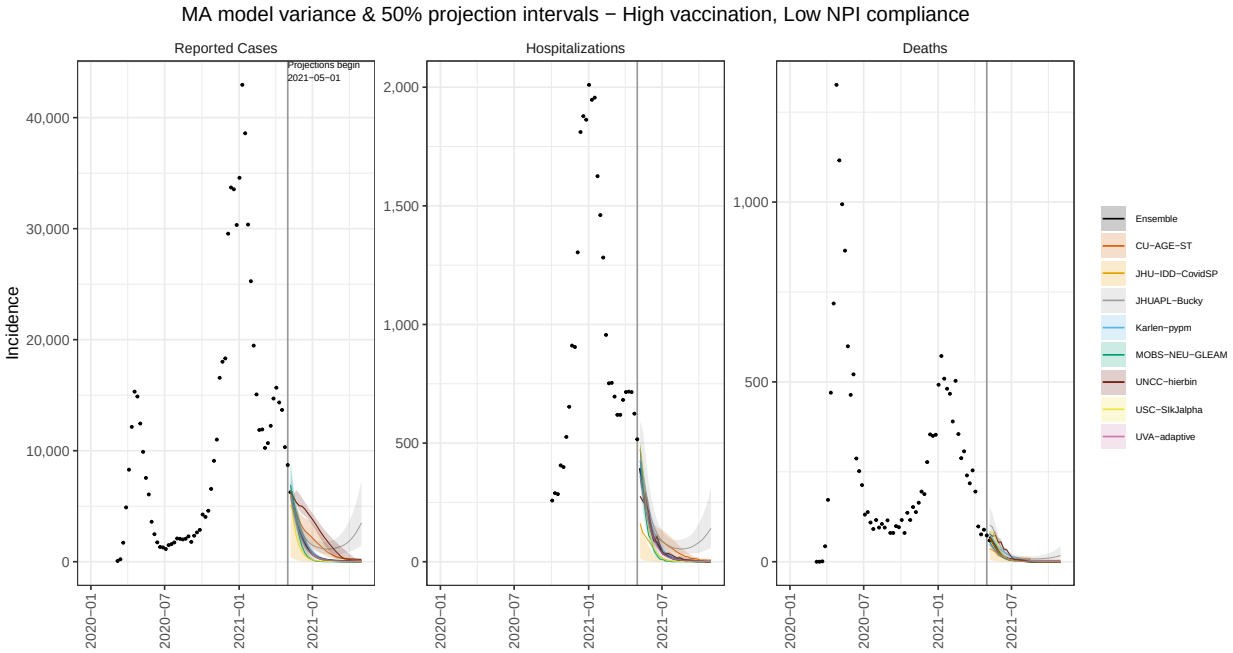

KS model variance & 50% projection intervals − High vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

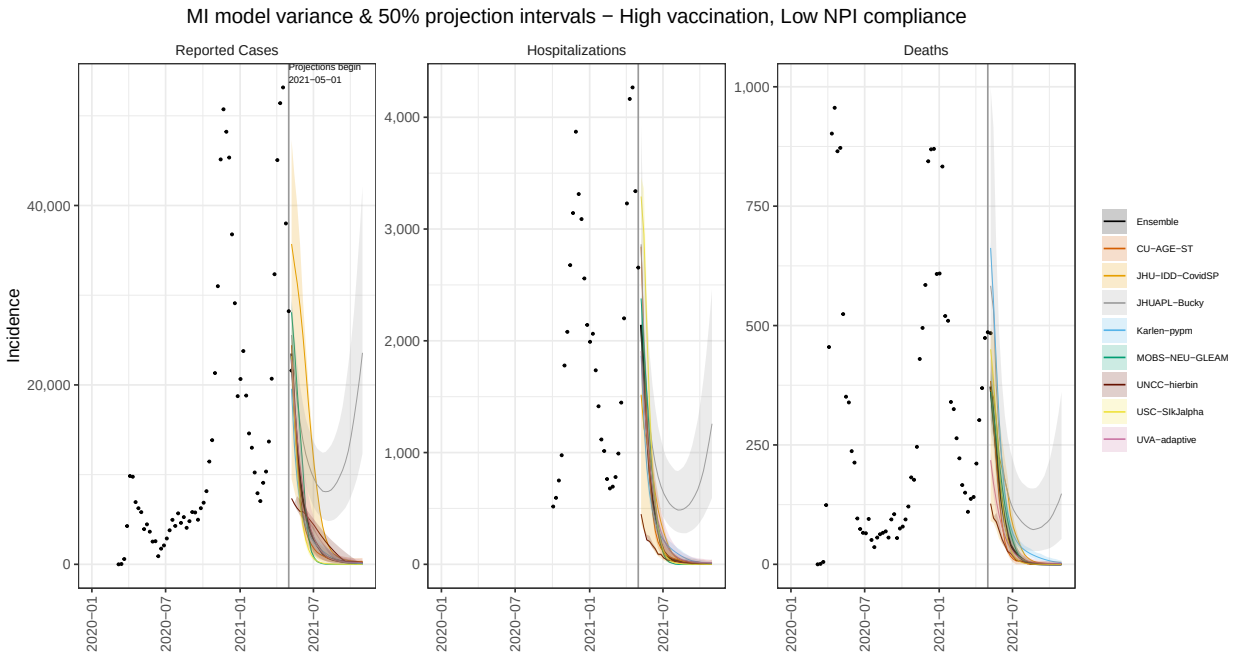

KY model variance & 50% projection intervals − High vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

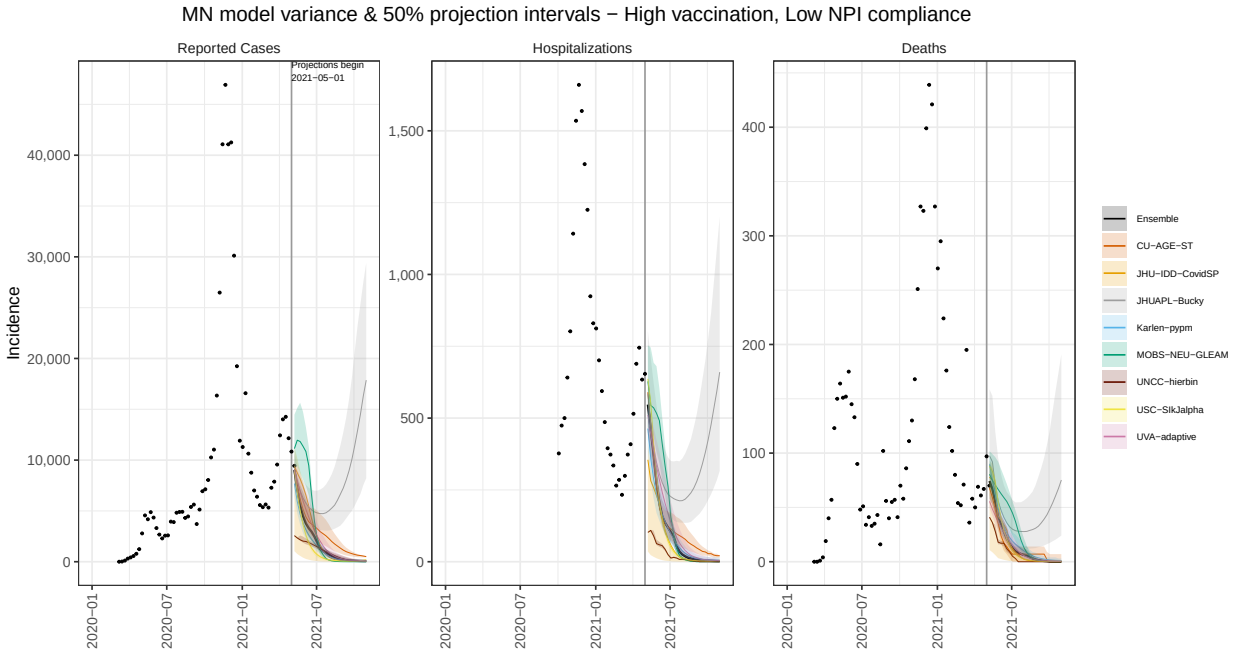

LA model variance & 50% projection intervals − High vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
150,000
100,000
50,000
0
15,000
10,000
5,000
3,000
2,000
1,000
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

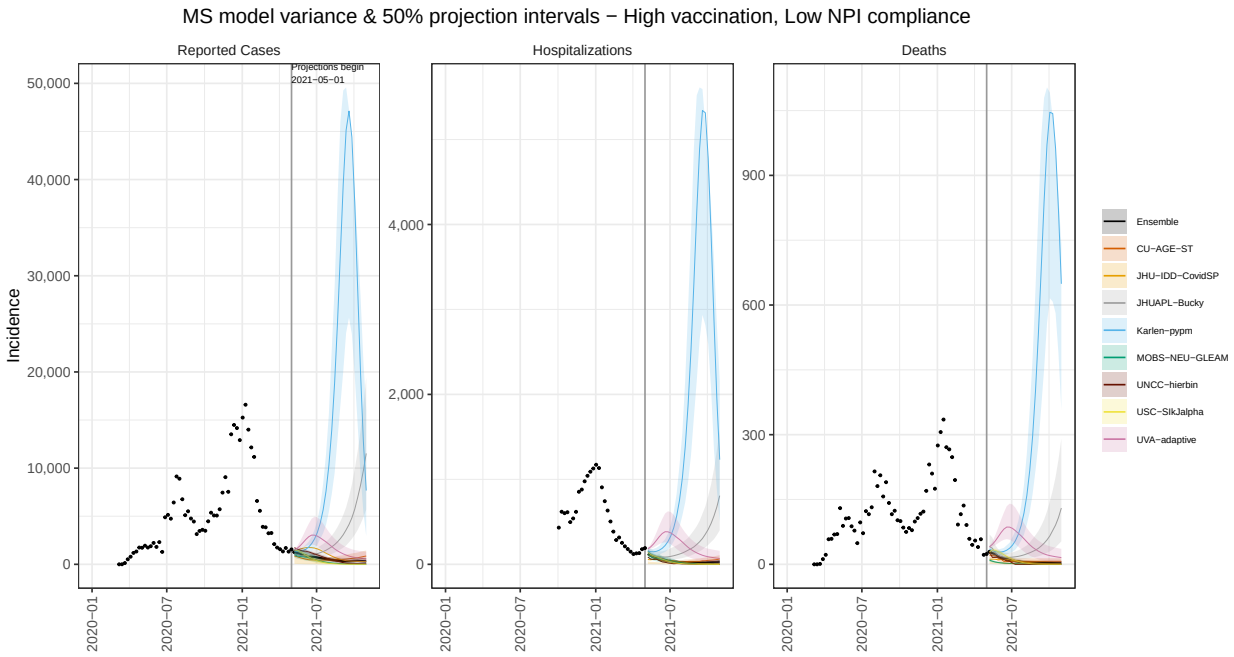

ME model variance & 50% projection intervals − High vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
8,000
6,000
4,000
2,000
0
300
200
100
60
40
20
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

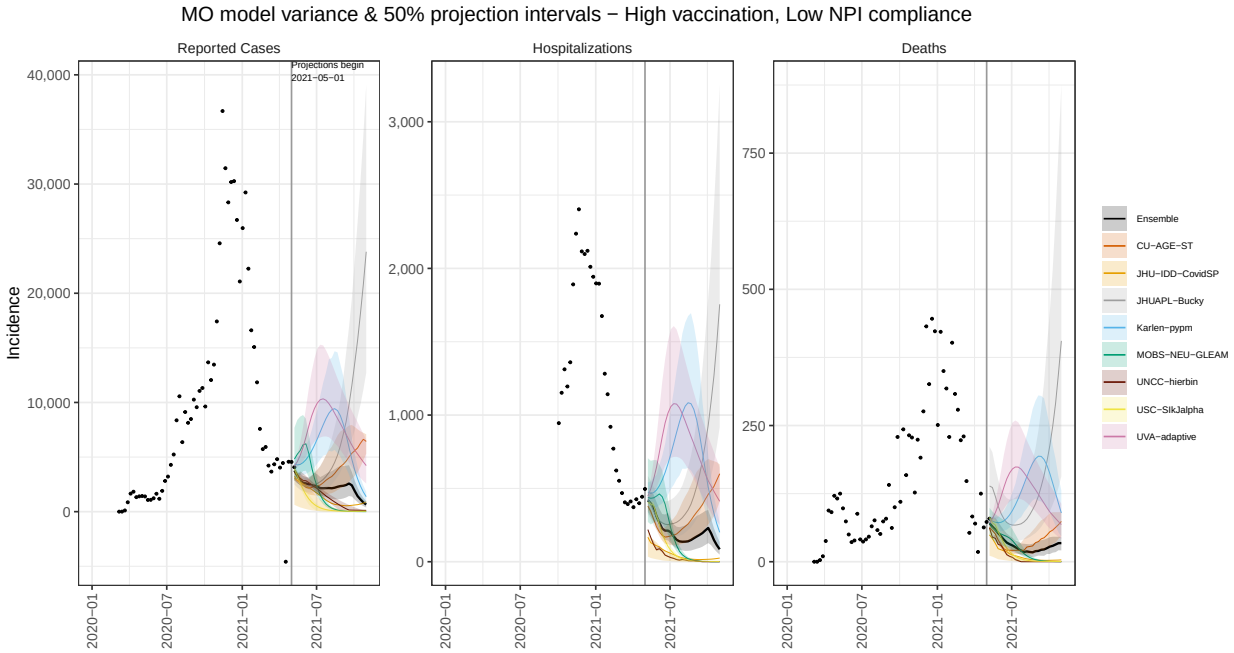

MD model variance & 50% projection intervals − High vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

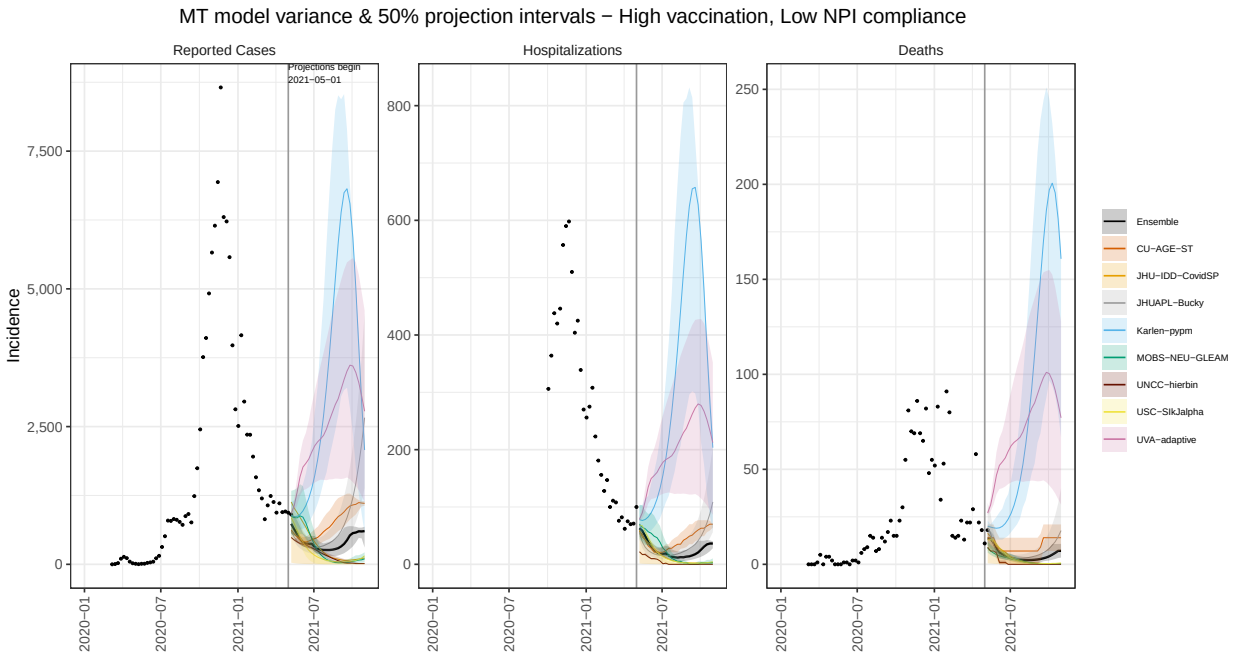

MA model variance & 50% projection intervals − High vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

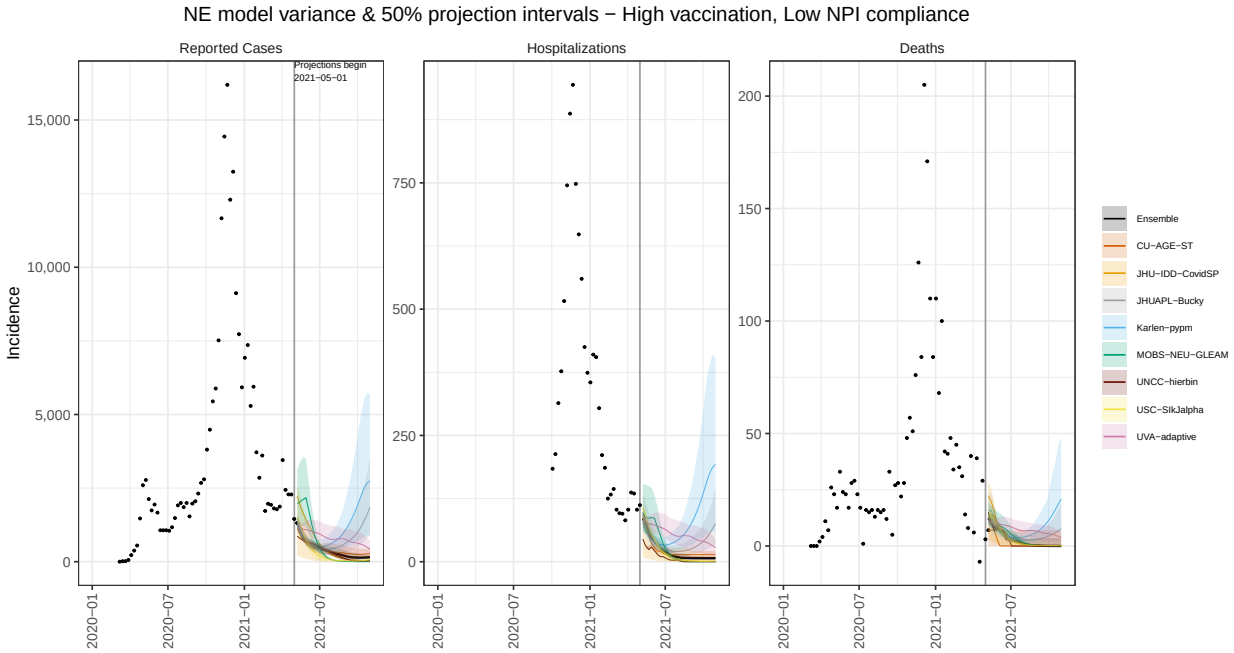

MI model variance & 50% projection intervals − High vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

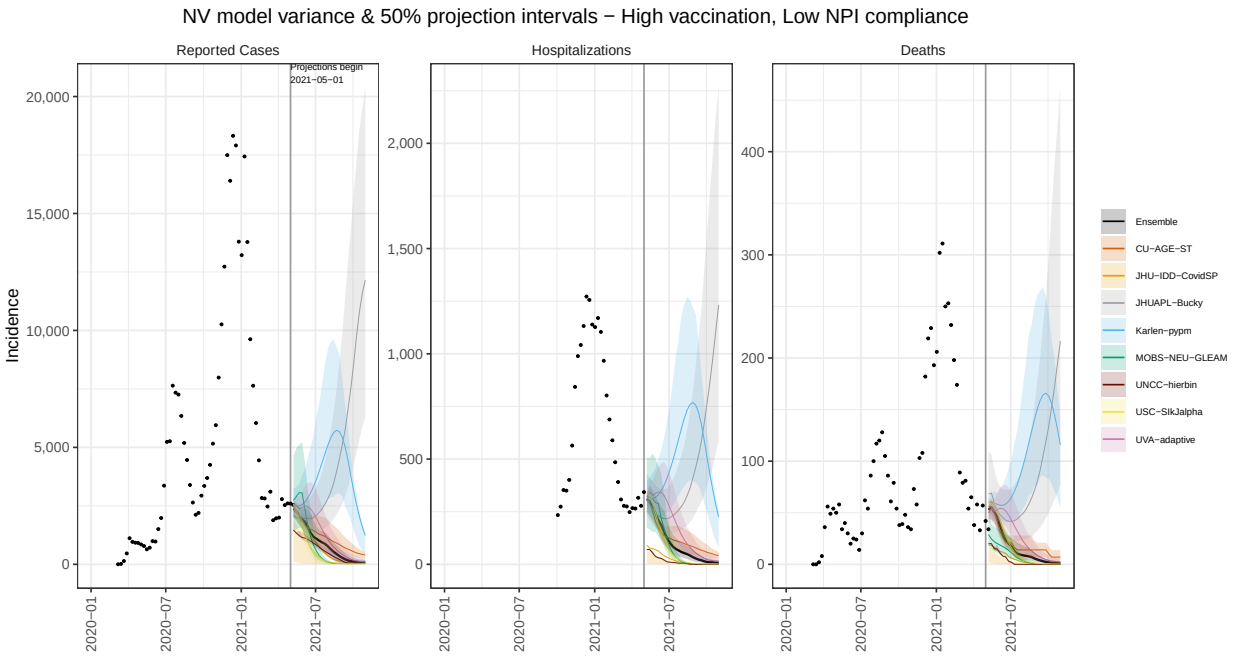

MN model variance & 50% projection intervals − High vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

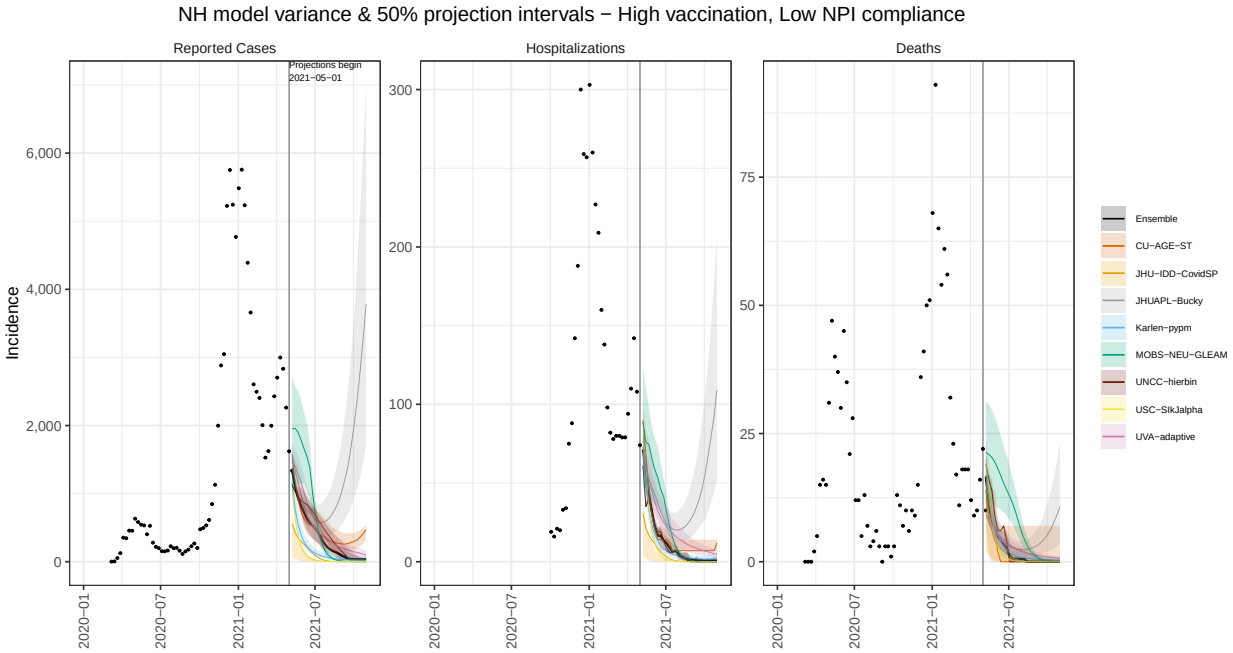

MS model variance & 50% projection intervals − High vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
50,000
40,000
30,000
20,000
10,000
0
4,000
2,000
900
600
300
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

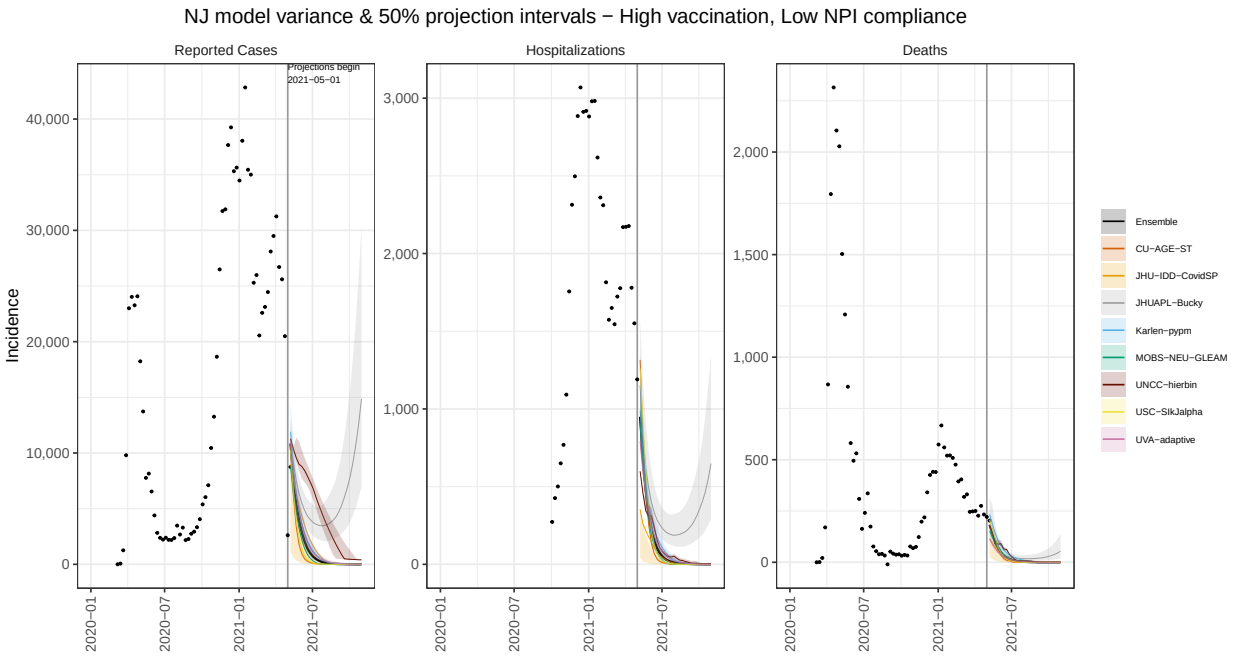

MO model variance & 50% projection intervals − High vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
40,000
30,000
20,000
10,000
0
3,000
2,000
1,000
750
500
250
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

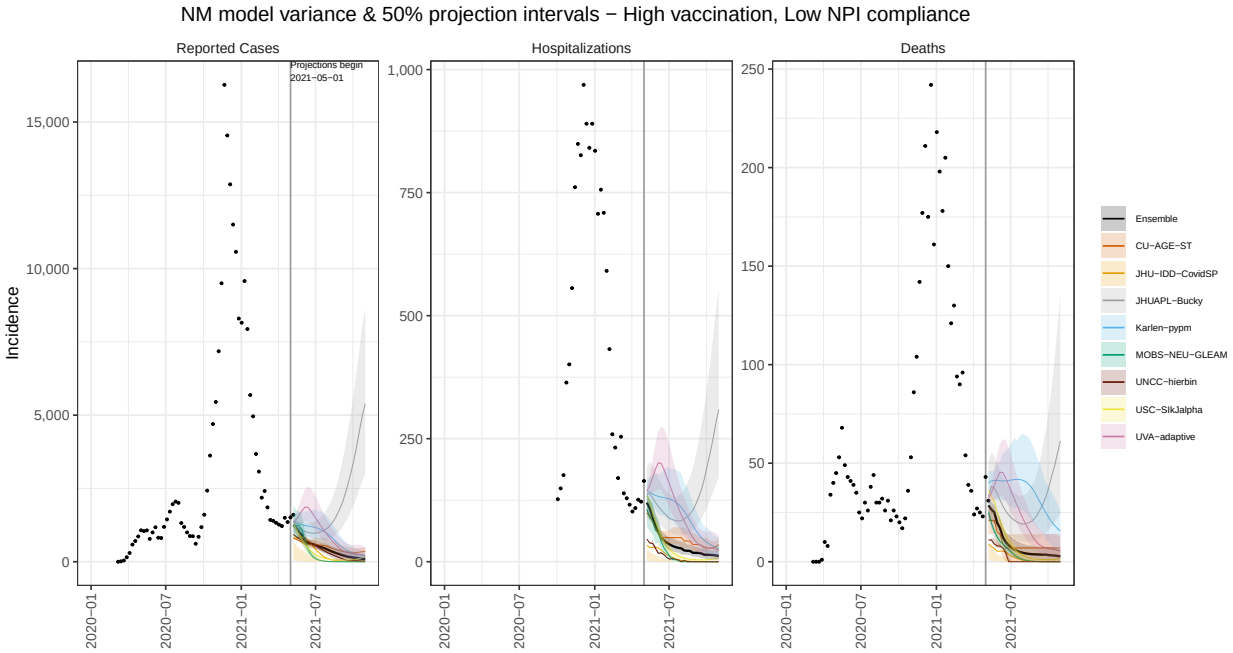

MT model variance & 50% projection intervals − High vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

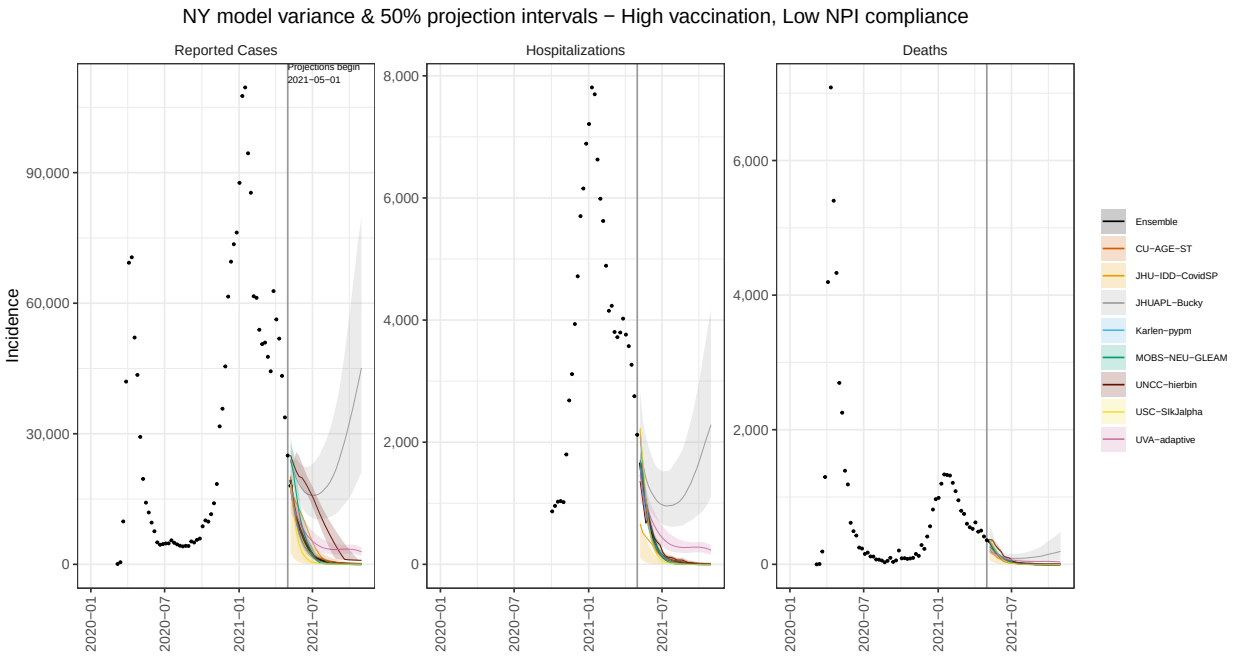

NE model variance & 50% projection intervals − High vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

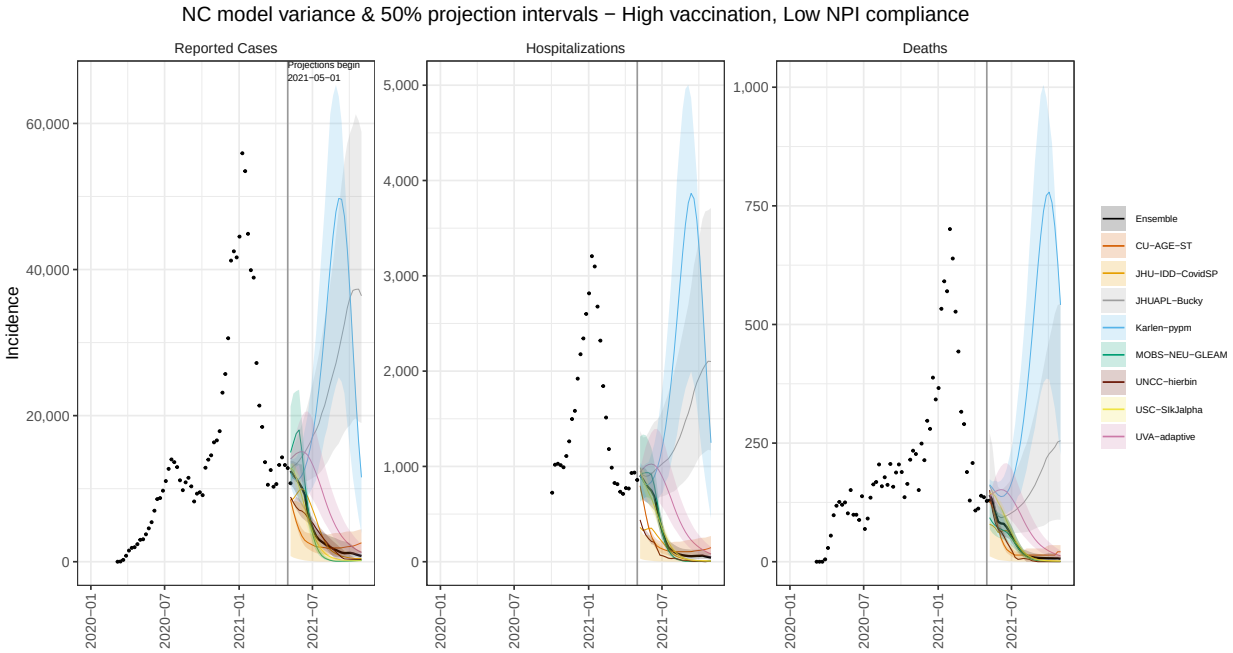

NV model variance & 50% projection intervals − High vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
20,000
15,000
10,000
5,000
0
2,000
1,500
1,000
500
400
300
200
100
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

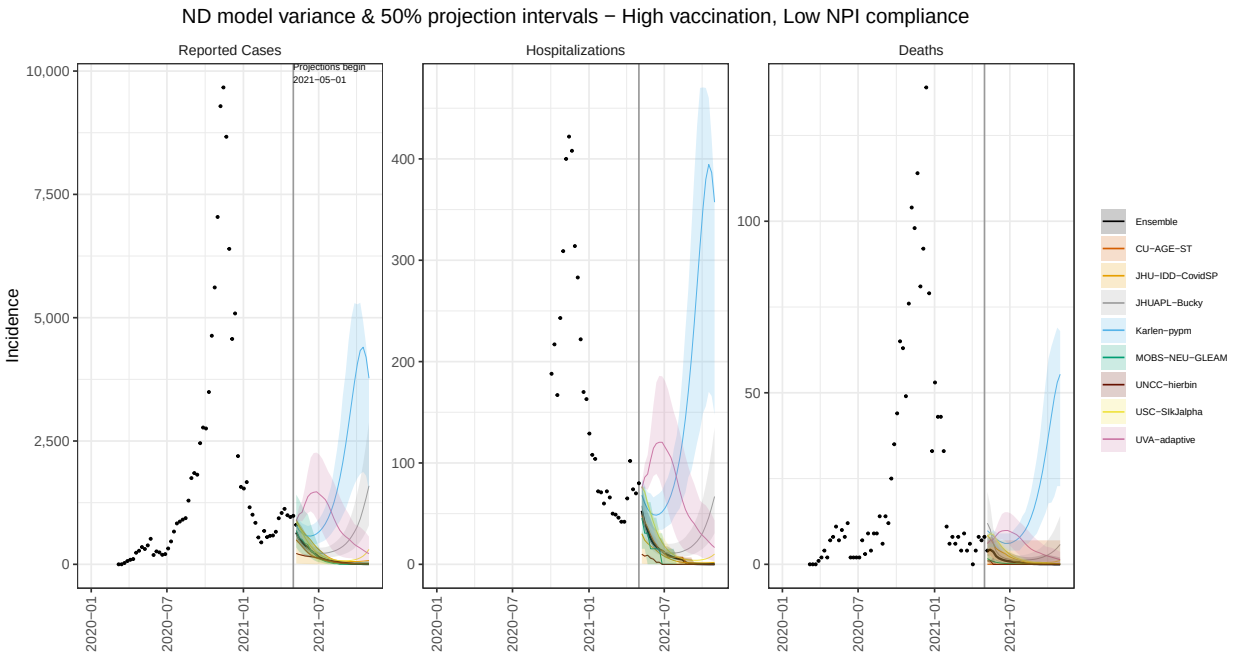

NH model variance & 50% projection intervals − High vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
6,000
4,000
2,000
0
300
200
100
75
50
25
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

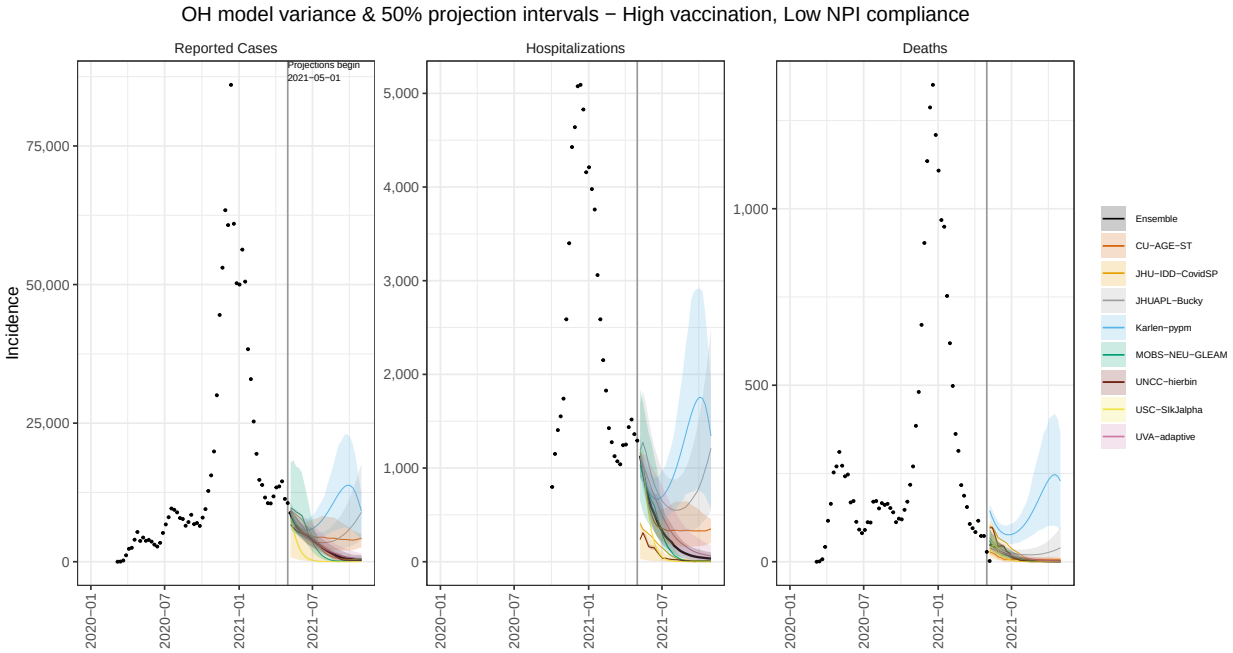

NJ model variance & 50% projection intervals − High vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

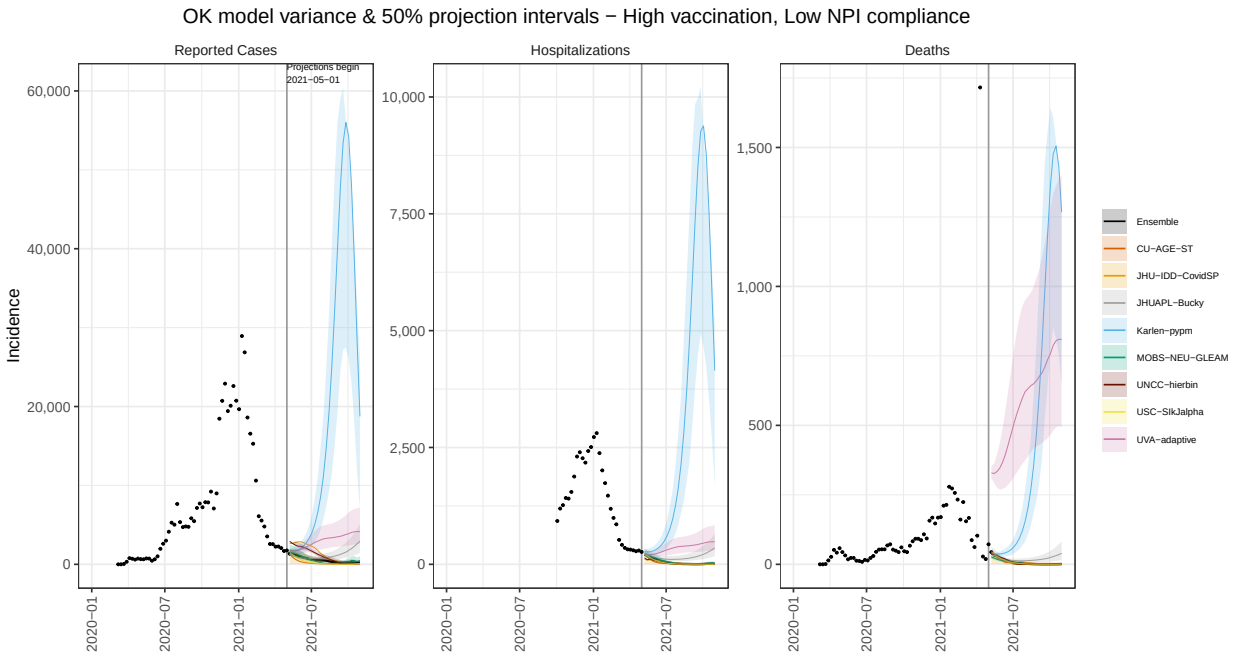

NM model variance & 50% projection intervals − High vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

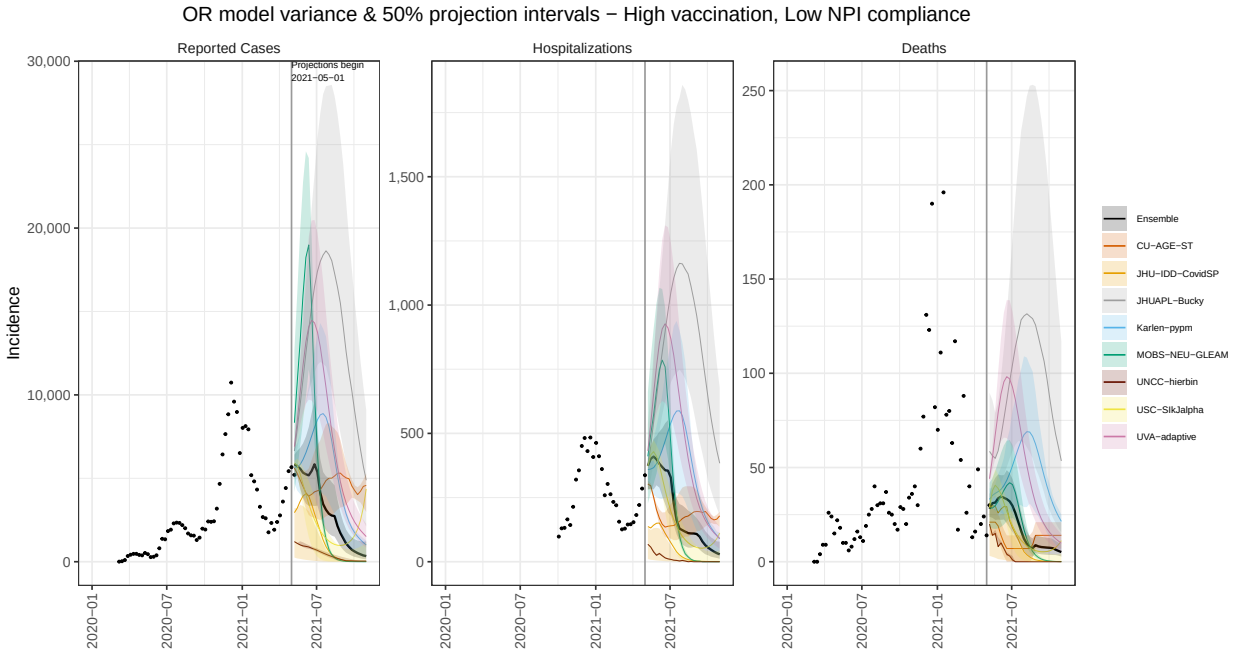

NY model variance & 50% projection intervals − High vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

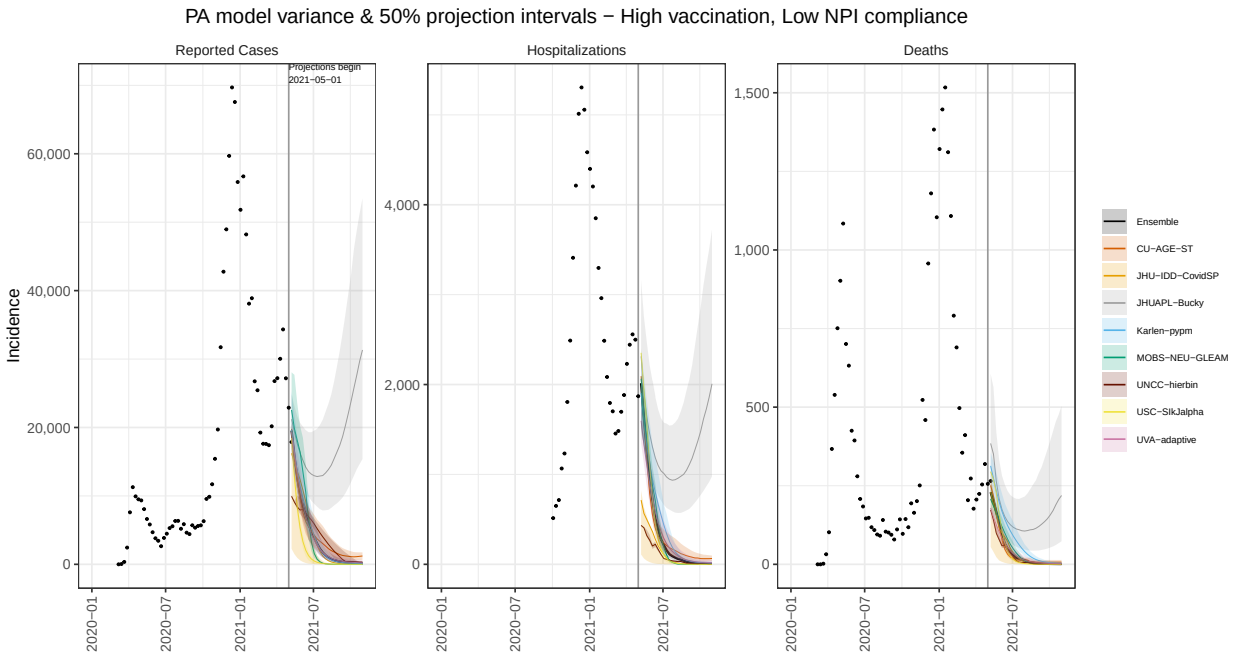

NC model variance & 50% projection intervals − High vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

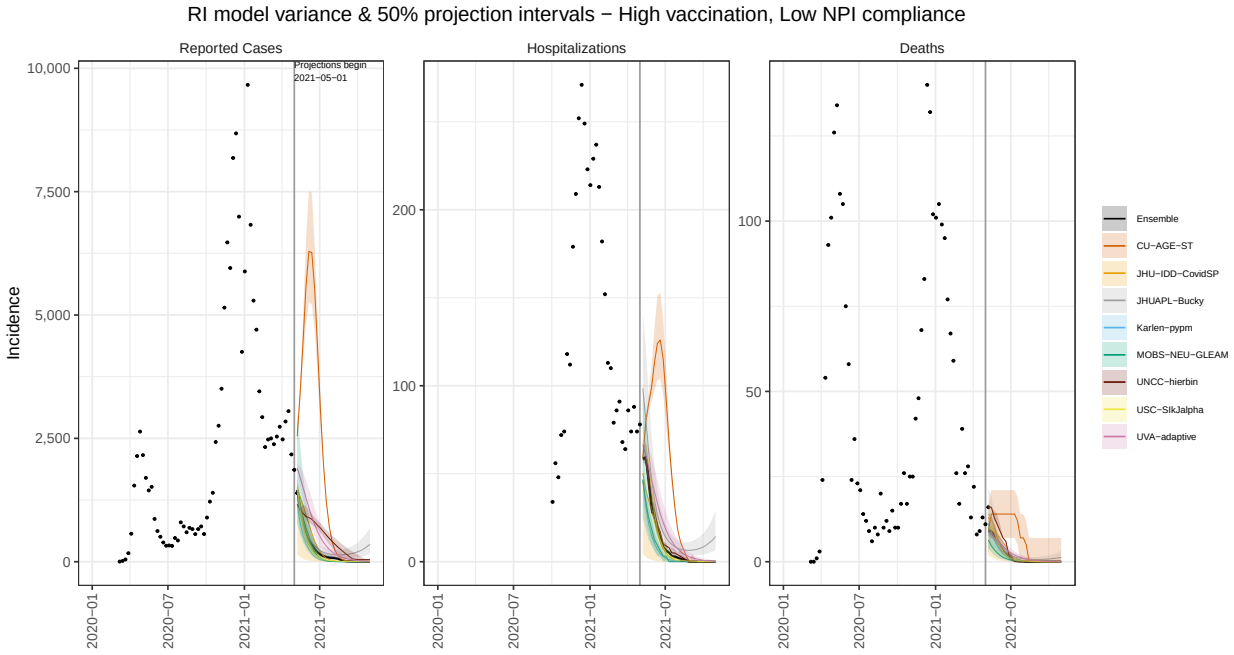

ND model variance & 50% projection intervals − High vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
10,000
7,500
5,000
2,500
0
400
300
200
100
50
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

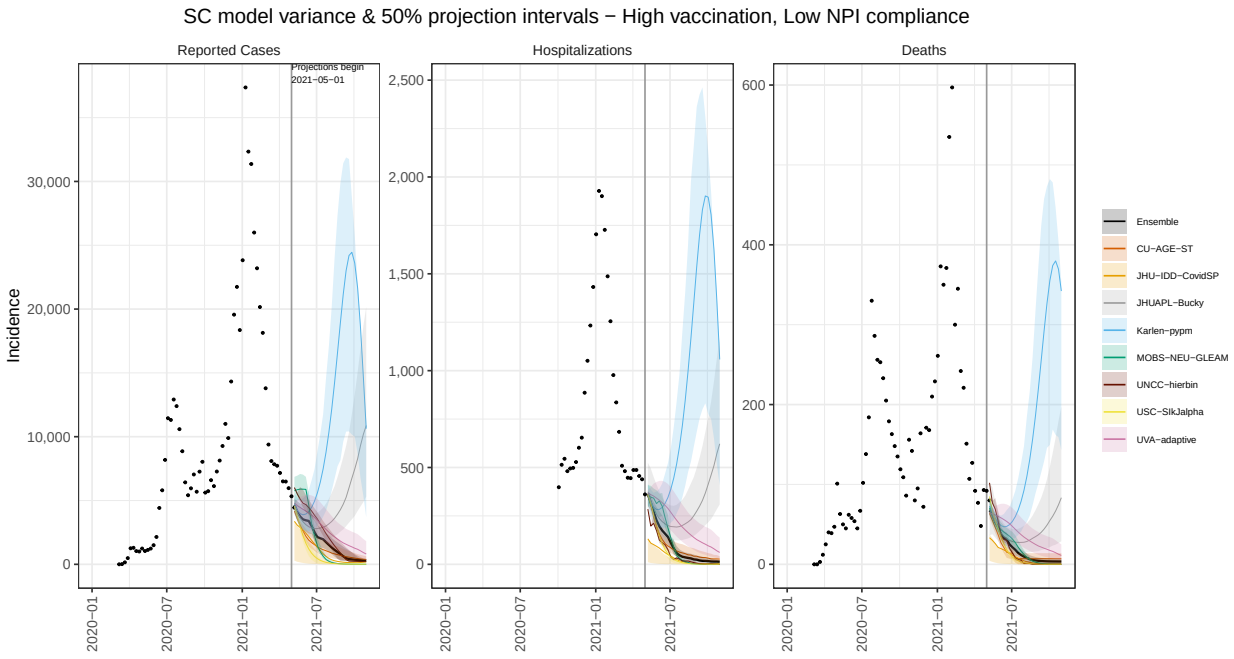

OH model variance & 50% projection intervals − High vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
75,000
50,000
25,000
0
5,000
4,000
3,000
2,000
1,000
500
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

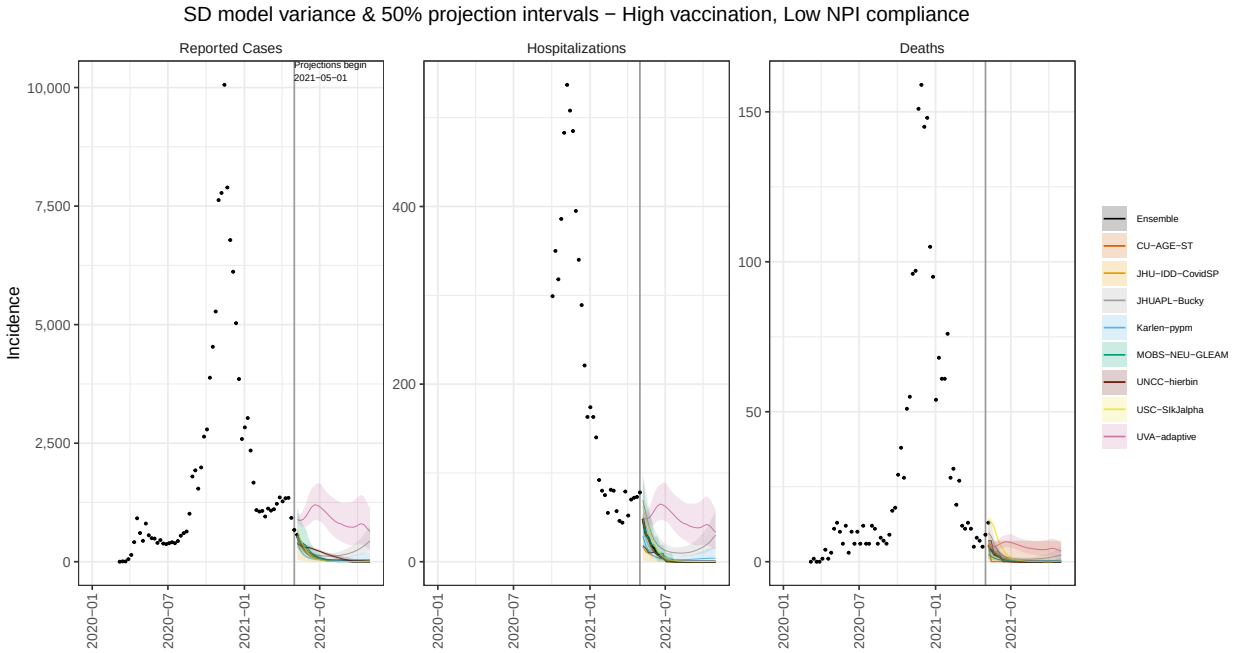

OK model variance & 50% projection intervals − High vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
60,000
40,000
20,000
0
10,000
7,500
5,000
2,500
1,500
1,000
500
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

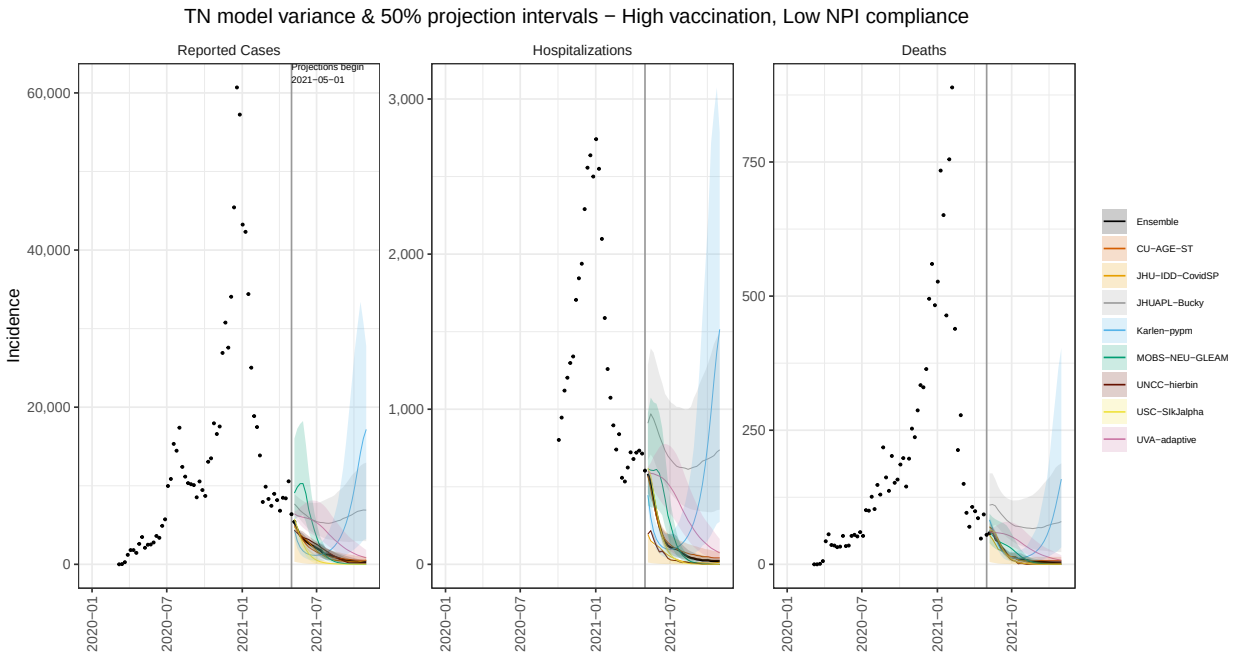

OR model variance & 50% projection intervals − High vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
30,000
20,000
10,000
0
1,500
1,000
500
250
200
150
100
50
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

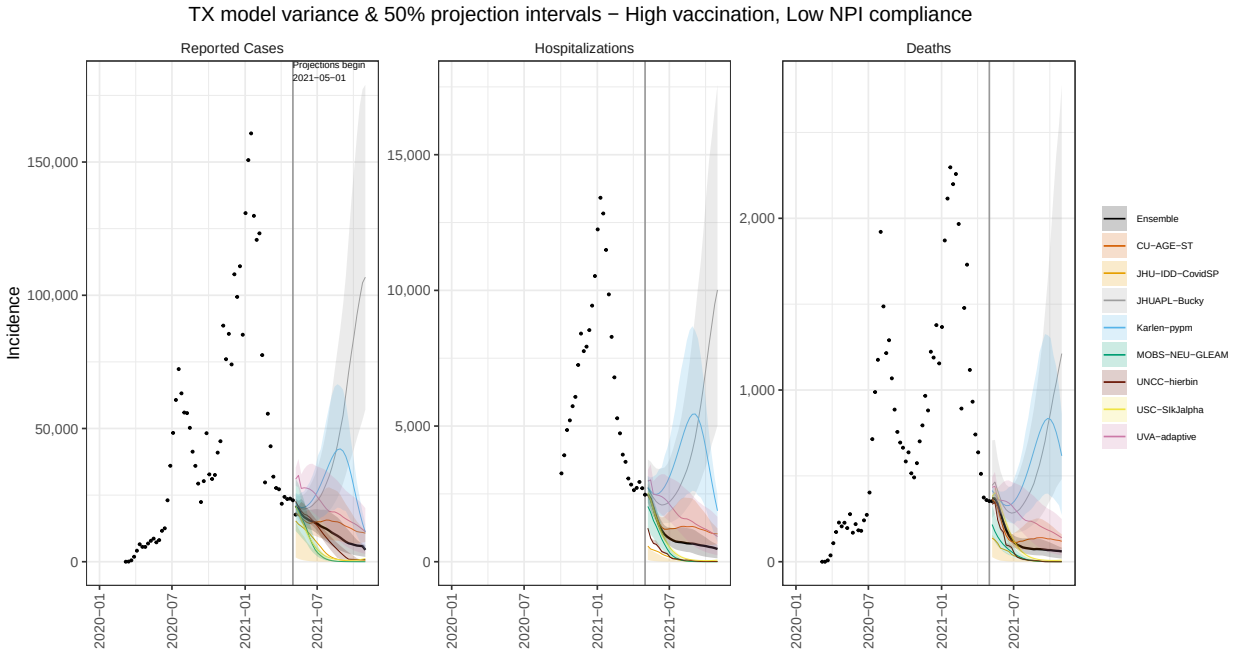

PA model variance & 50% projection intervals − High vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
60,000
40,000
20,000
0
4,000
2,000
1,500
1,000
500
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

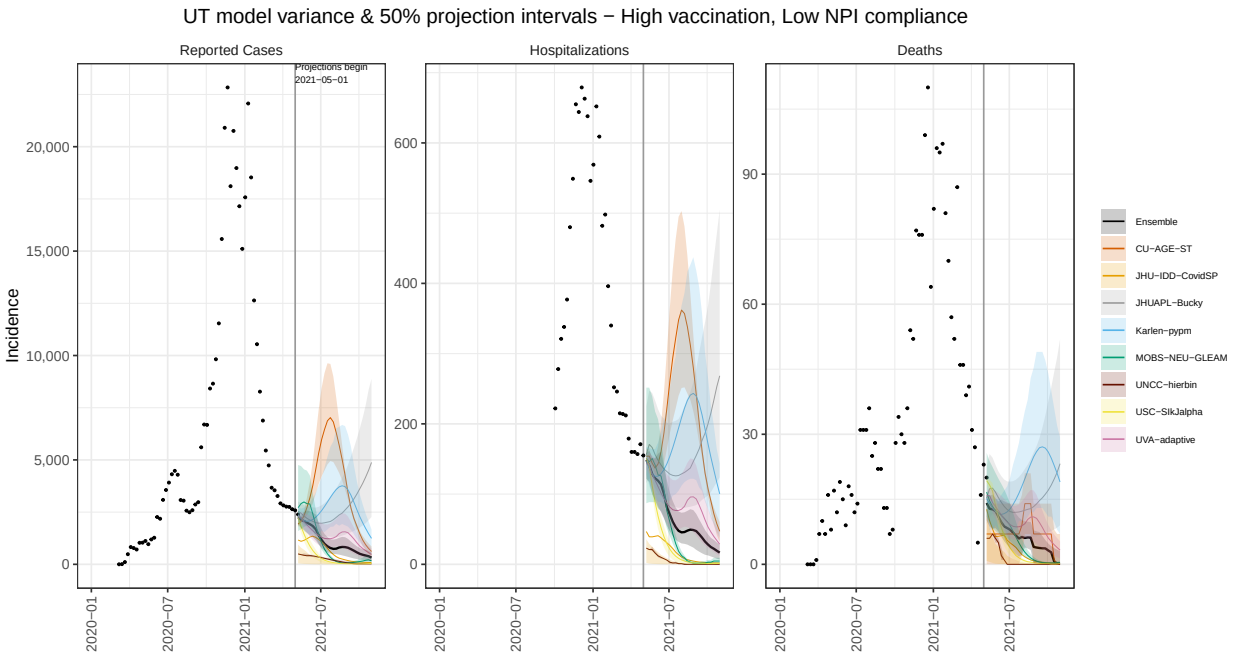

RI model variance & 50% projection intervals − High vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
10,000
7,500
5,000
2,500
0
200
100
50
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

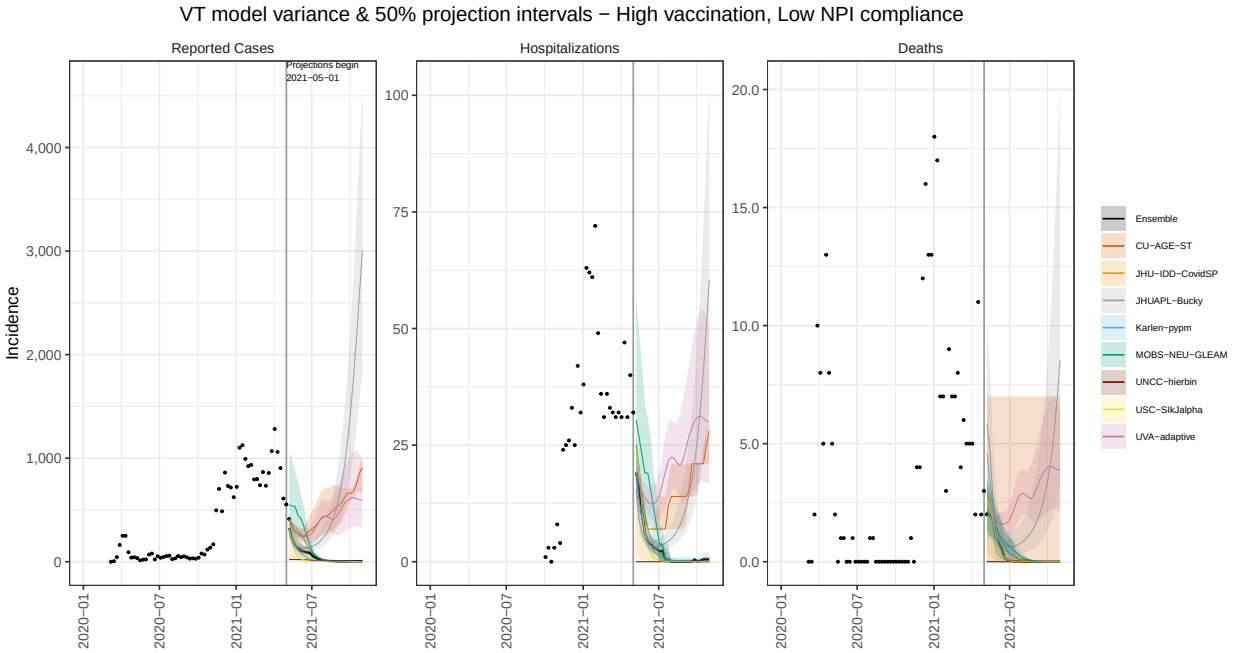

SC model variance & 50% projection intervals − High vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

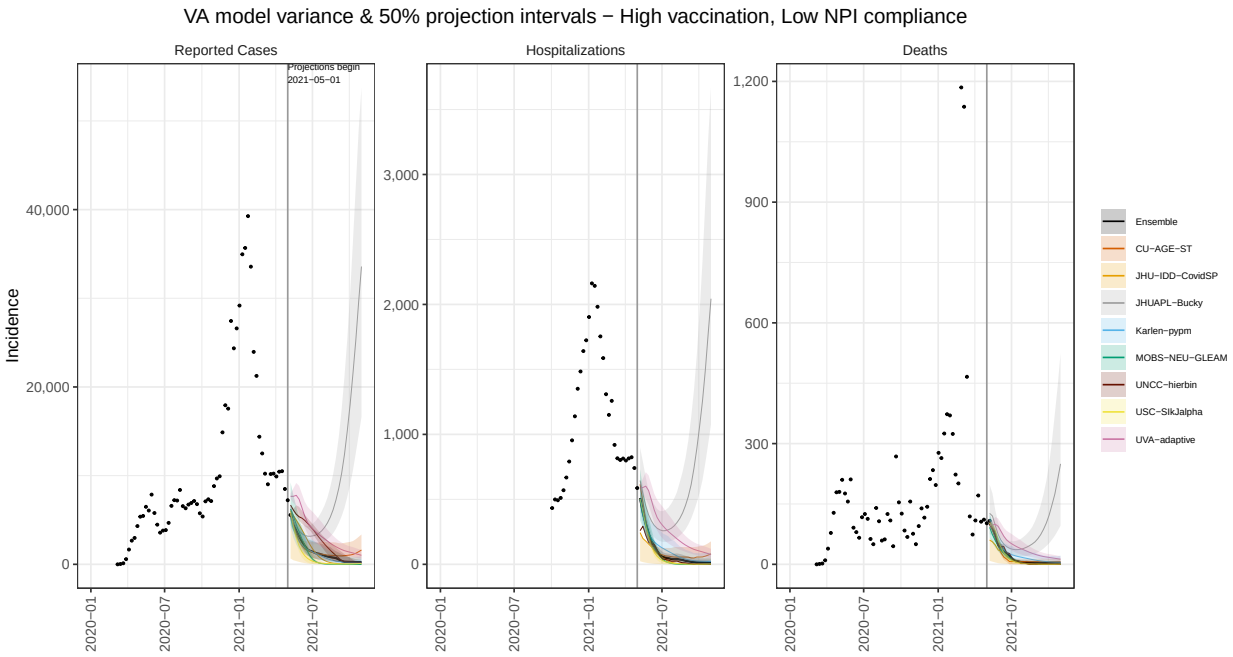

SD model variance & 50% projection intervals − High vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

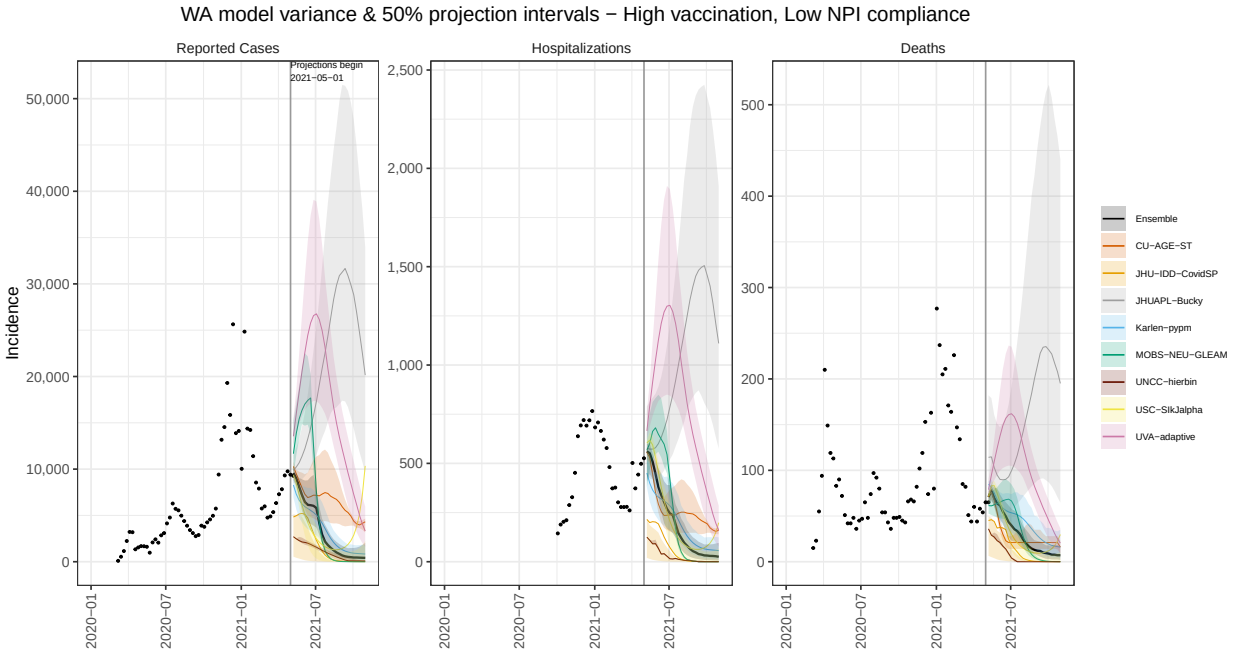

TN model variance & 50% projection intervals − High vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
60,000
40,000
20,000
0
3,000
2,000
1,000
750
500
250
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

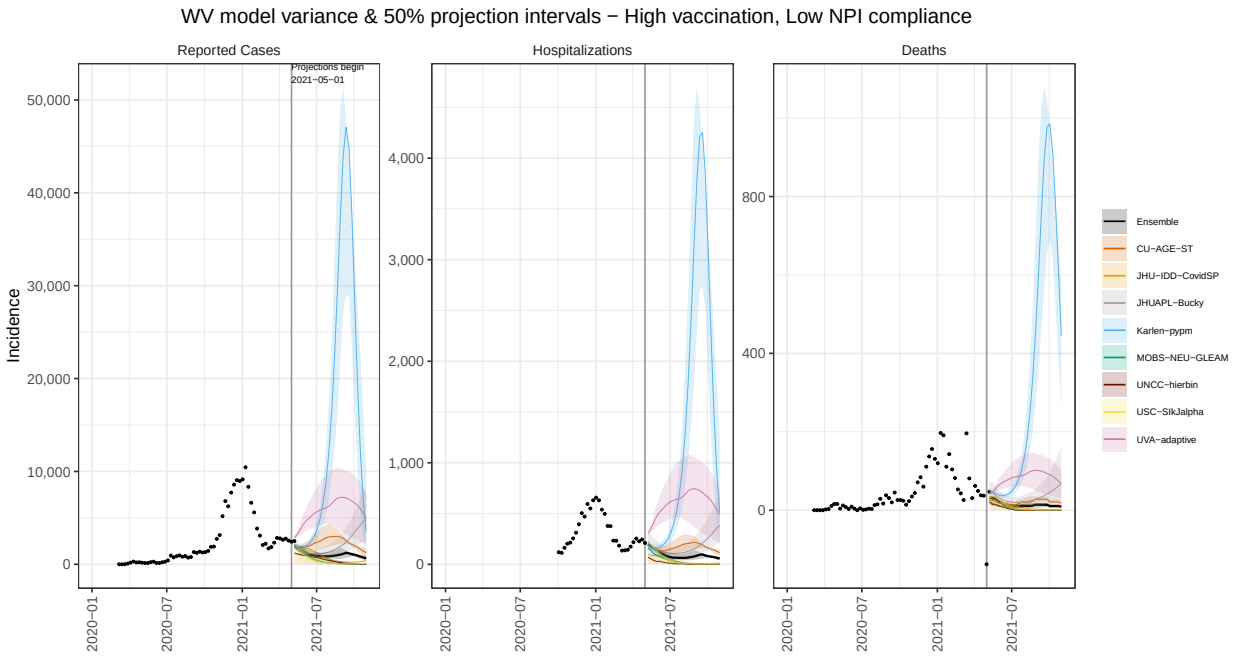

TX model variance & 50% projection intervals − High vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
150,000
100,000
50,000
0
15,000
10,000
5,000
2,000
1,000
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

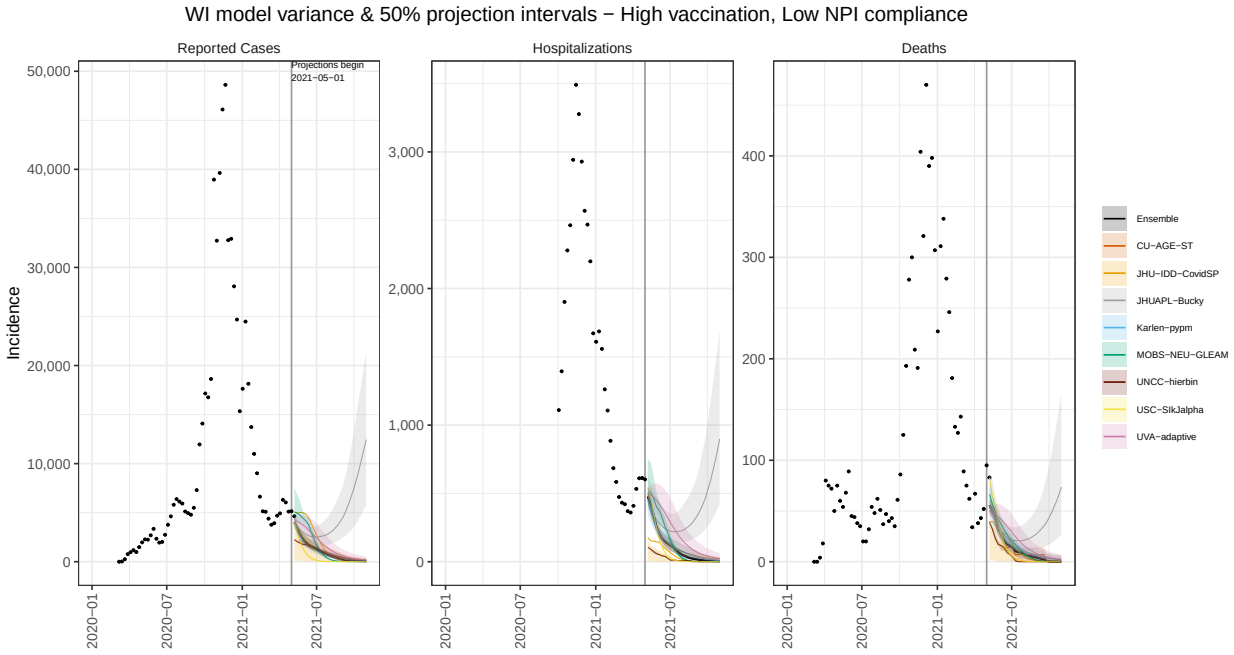

UT model variance & 50% projection intervals − High vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

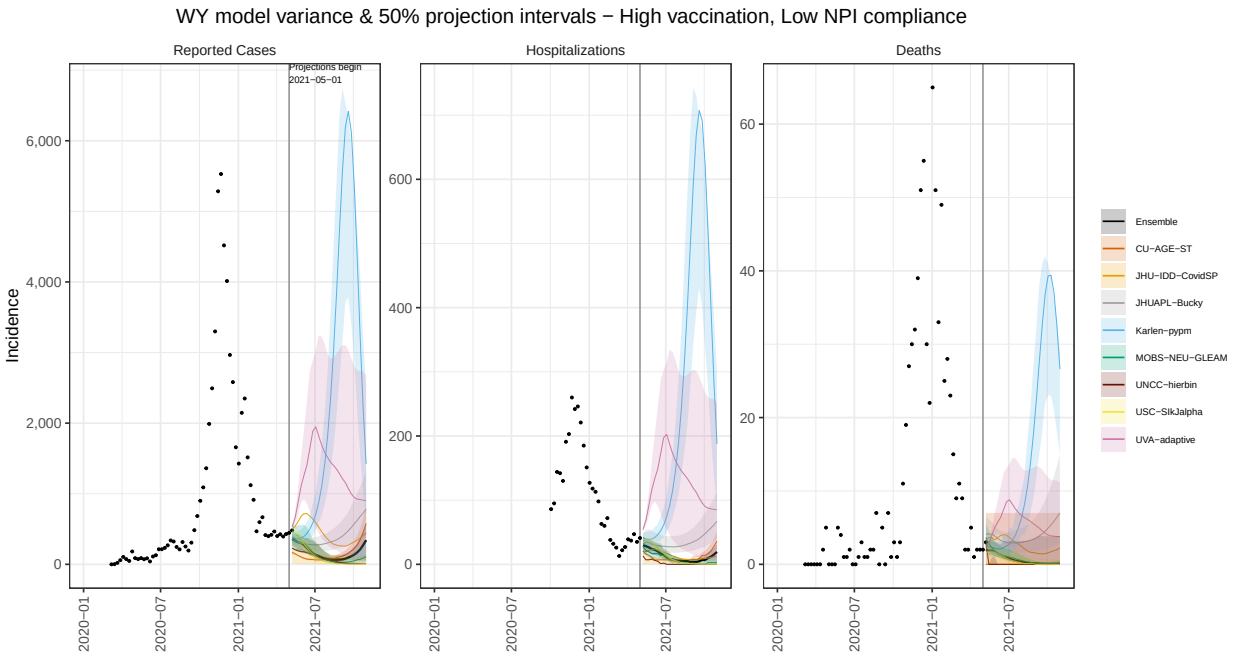

VT model variance & 50% projection intervals − High vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

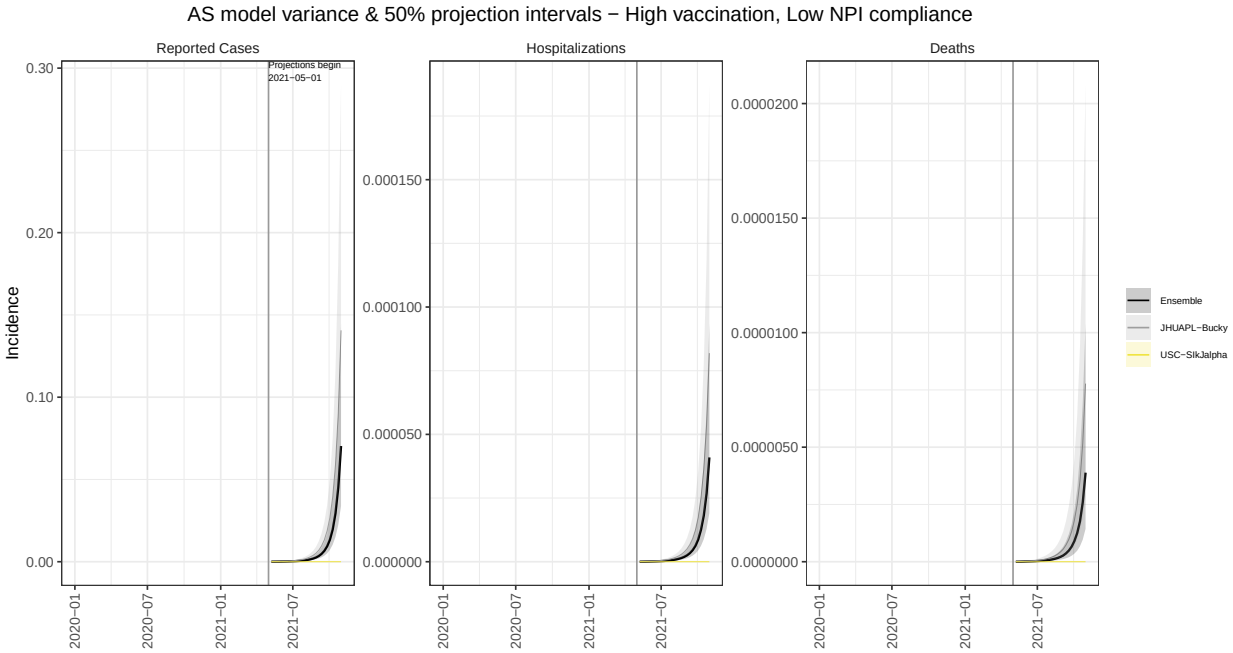

VA model variance & 50% projection intervals − High vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

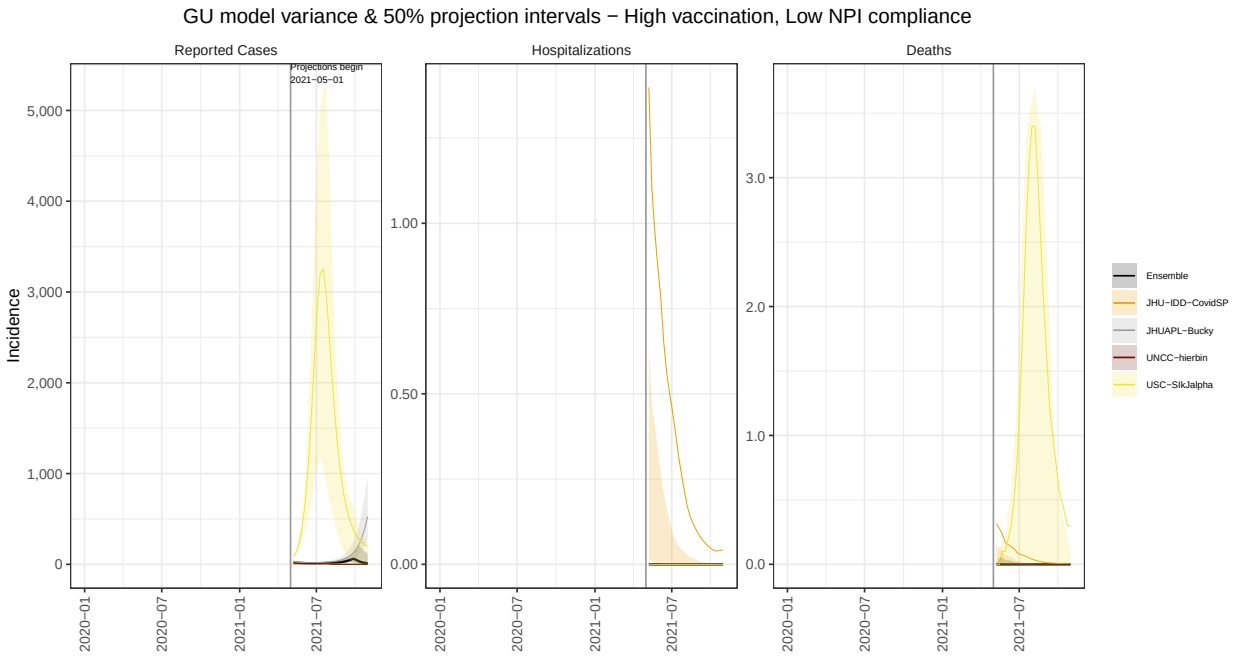

WA model variance & 50% projection intervals − High vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

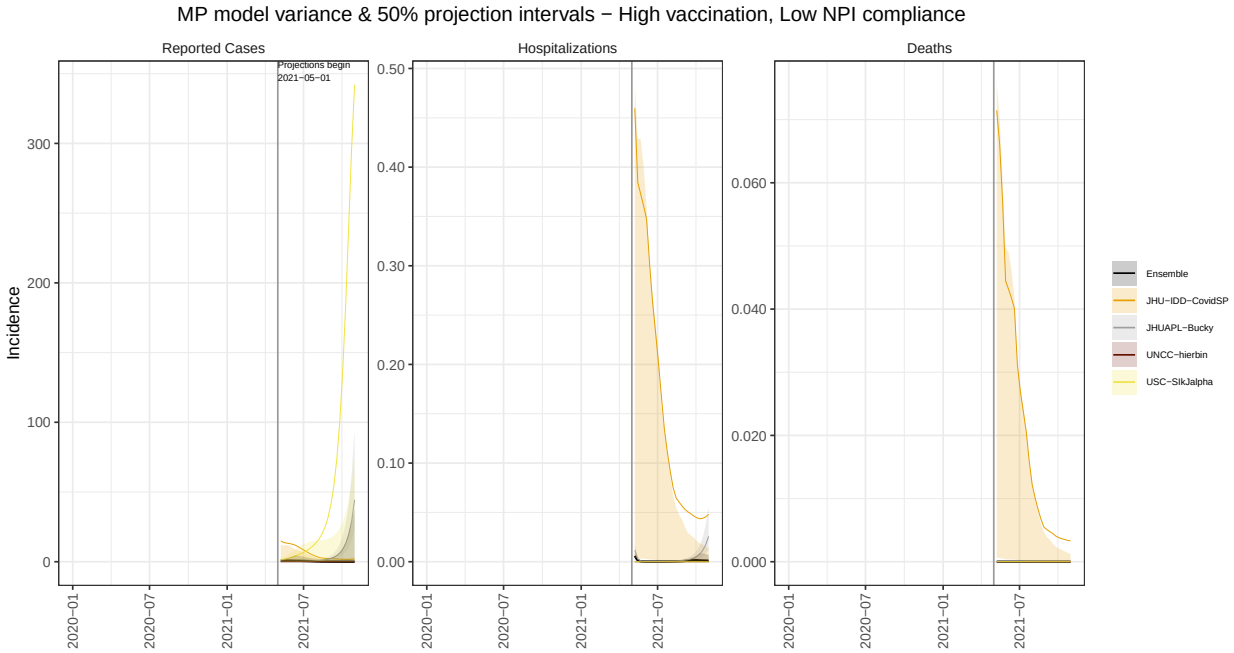

WV model variance & 50% projection intervals − High vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

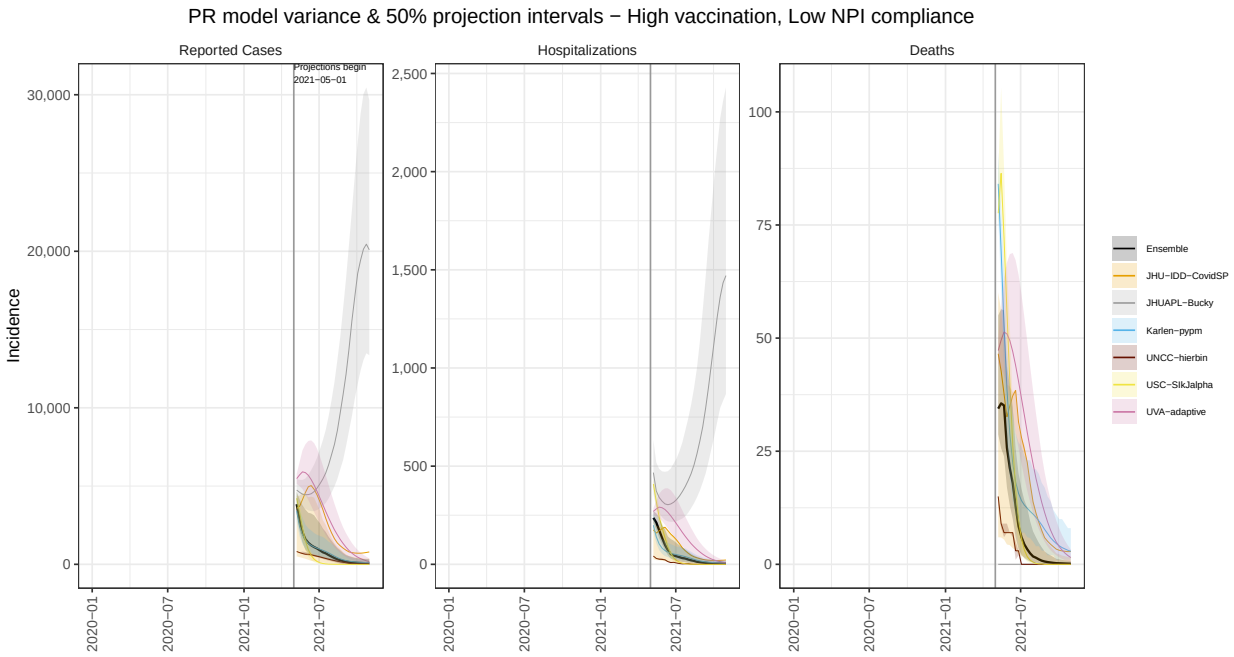

WI model variance & 50% projection intervals − High vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

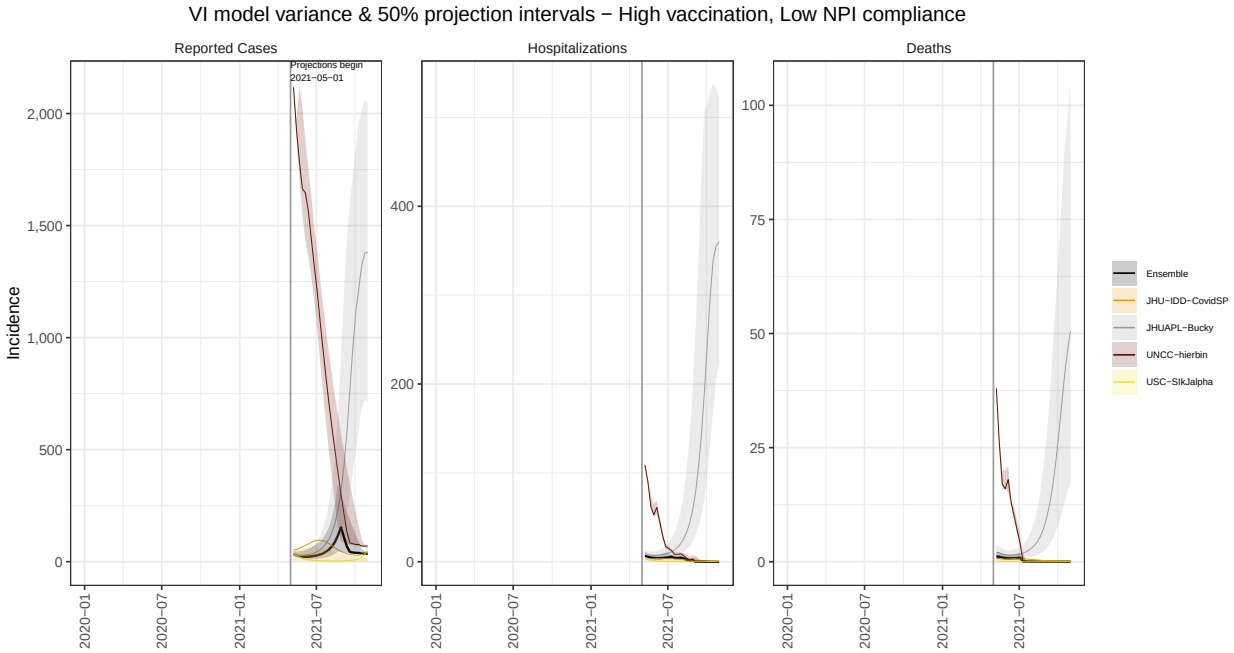

WY model variance & 50% projection intervals − High vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive


AS model variance & 50% projection intervals − High vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
JHUAPL−Bucky
USC−SIkJalpha

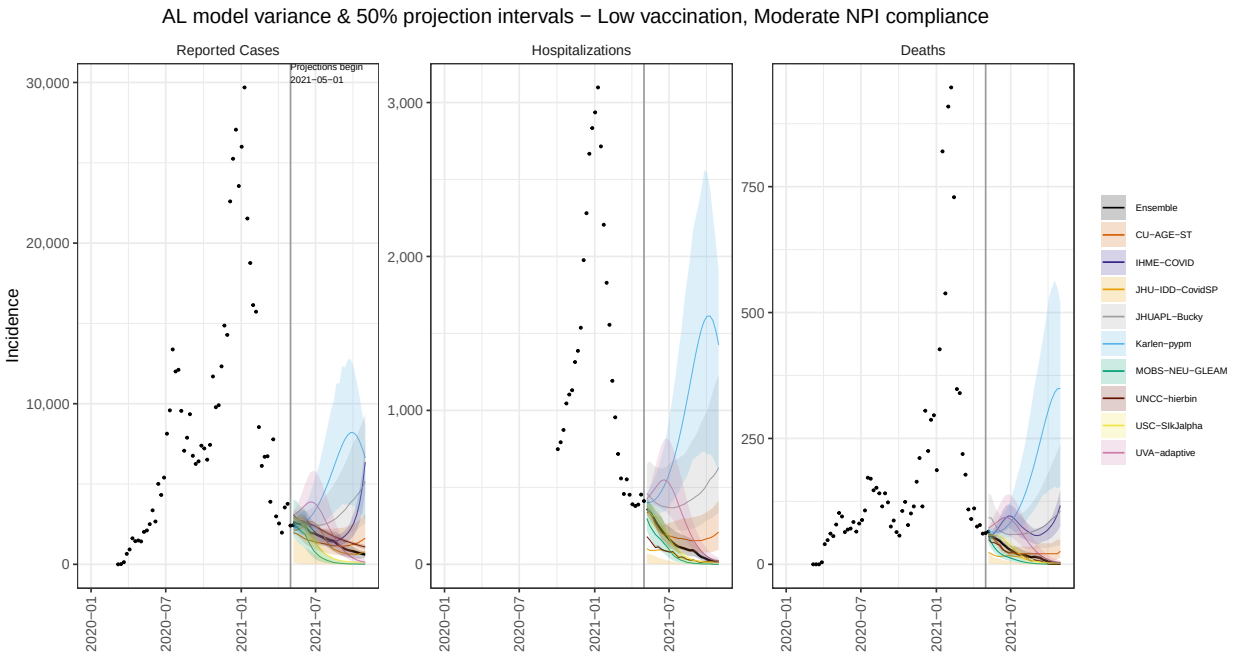

GU model variance & 50% projection intervals − High vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
5,000
4,000
3,000
2,000
1,000
0
1.00
0.50
0.00
3.0
2.0
1.0
0.0
2020−01
2020−07
2021−01
2021−07
Ensemble
JHU−IDD−CovidSP
JHUAPL−Bucky
UNCC−hierbin
USC−SIkJalpha

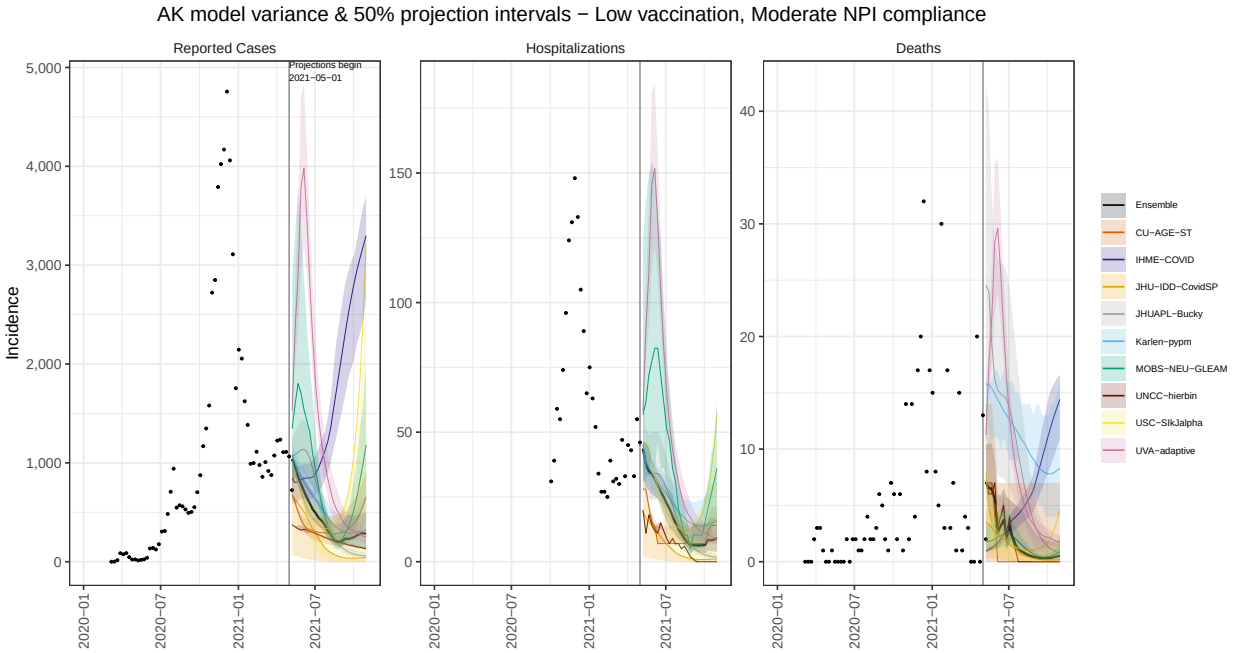

MP model variance & 50% projection intervals − High vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
300
200
100
0
0.50
0.40
0.30
0.20
0.10
0.00
0.060
0.040
0.020
0.000
2020−01
2020−07
2021−01
2021−07
Ensemble
JHU−IDD−CovidSP
JHUAPL−Bucky
UNCC−hierbin
USC−SIkJalpha

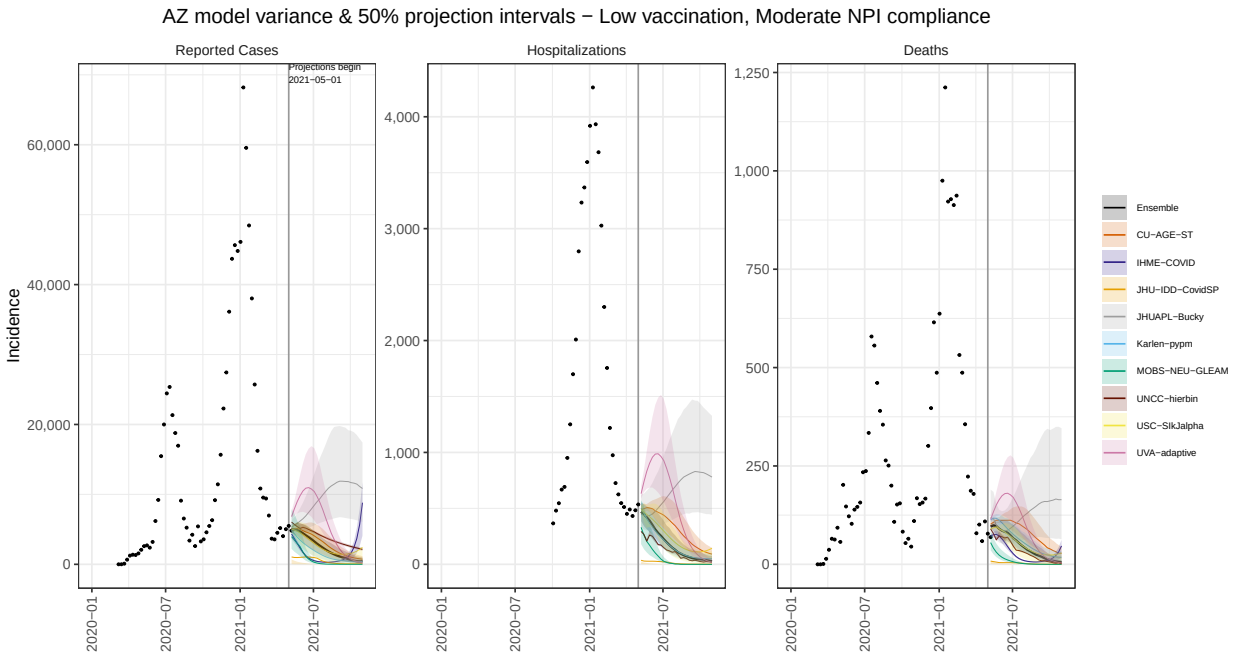


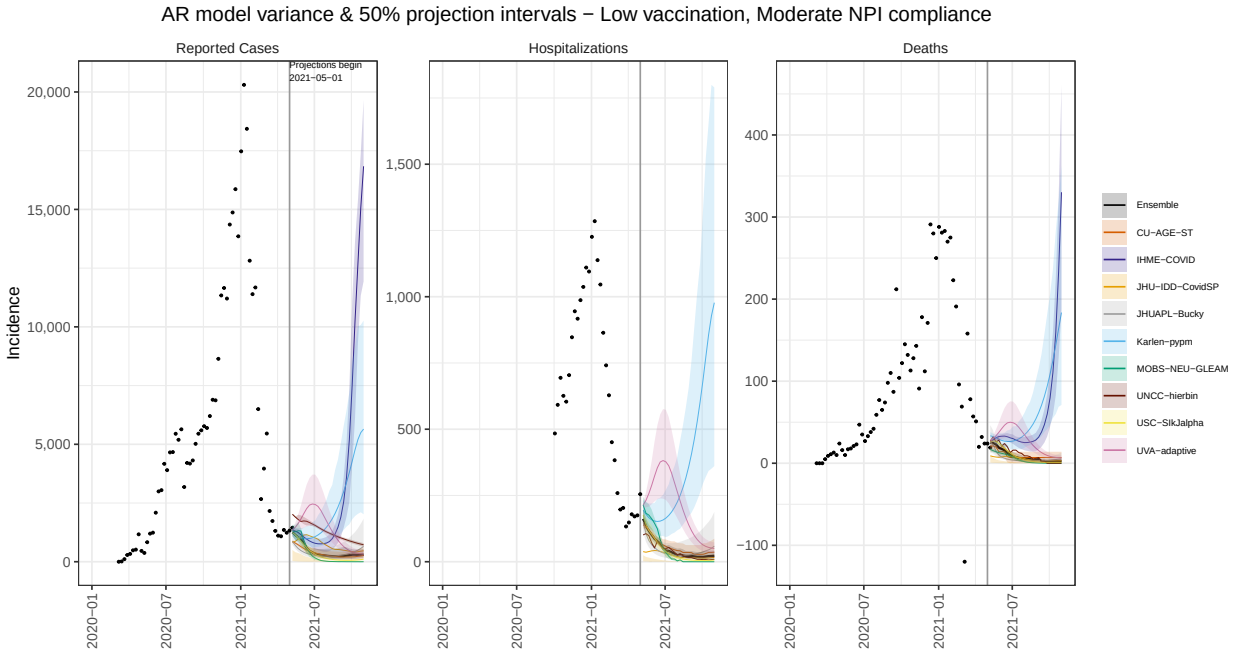


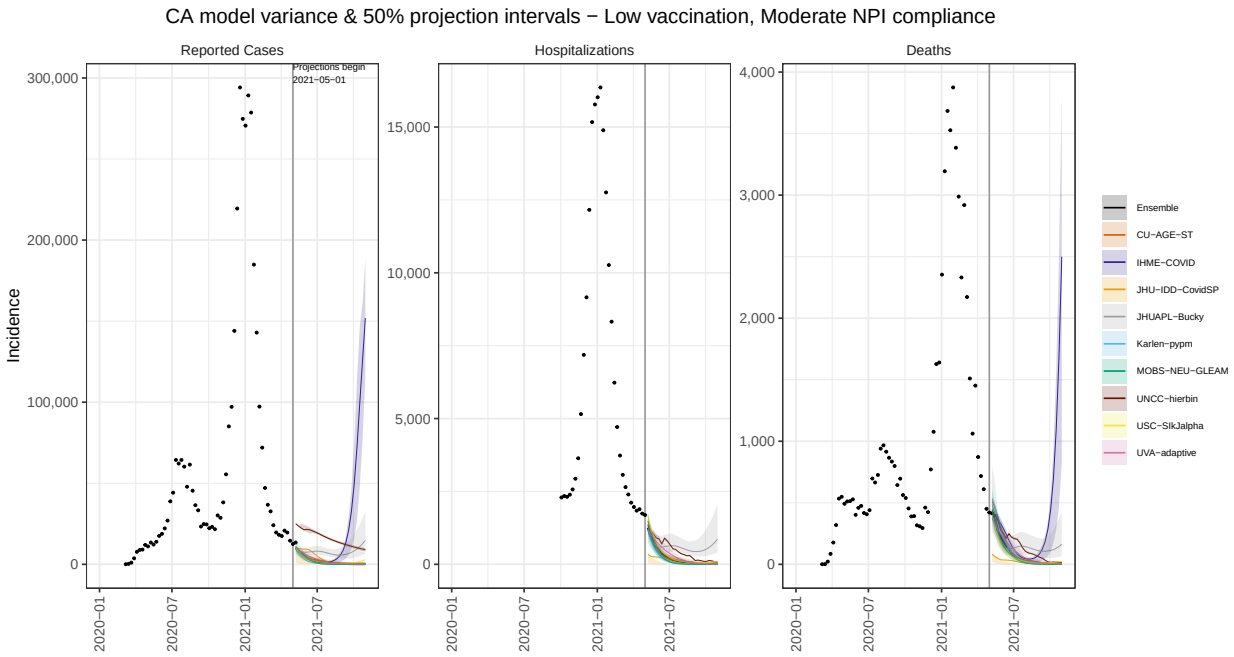
National model variation for the low vaccination, moderate NPI scenario

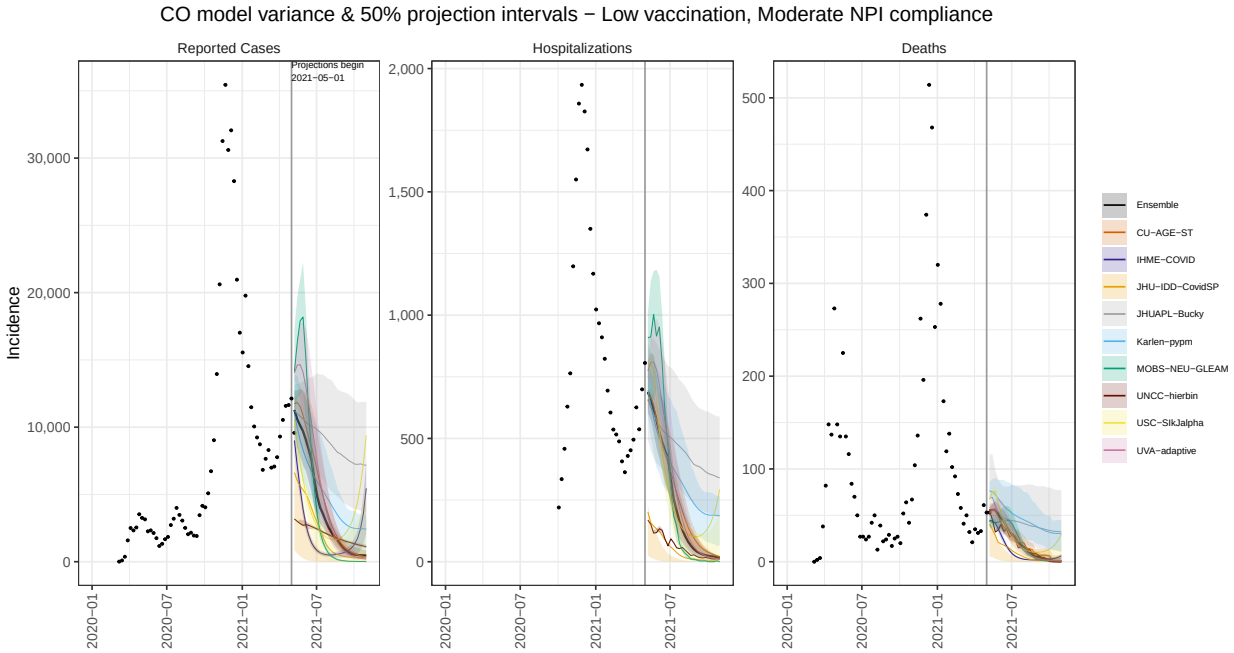

AL model variance & 50% projection intervals − Low vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
30,000
20,000
10,000
0
3,000
2,000
1,000
750
500
250
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

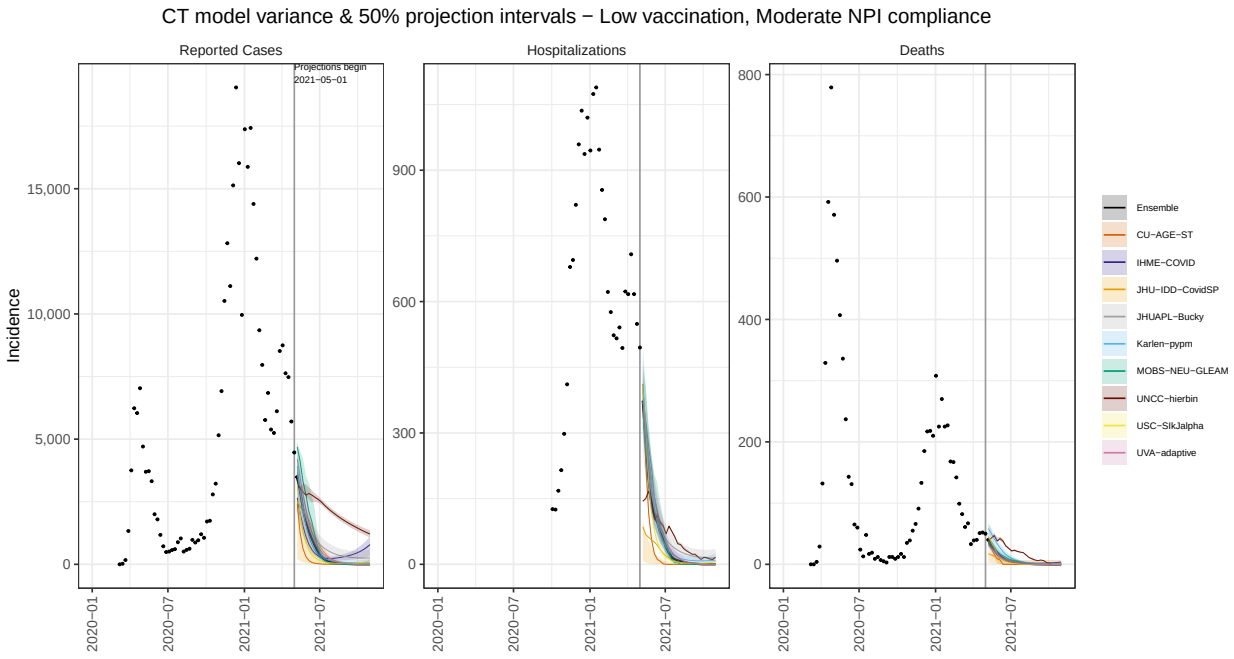

AK model variance & 50% projection intervals − Low vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
5,000
4,000
3,000
2,000
1,000
0
150
100
50
40
30
20
10
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

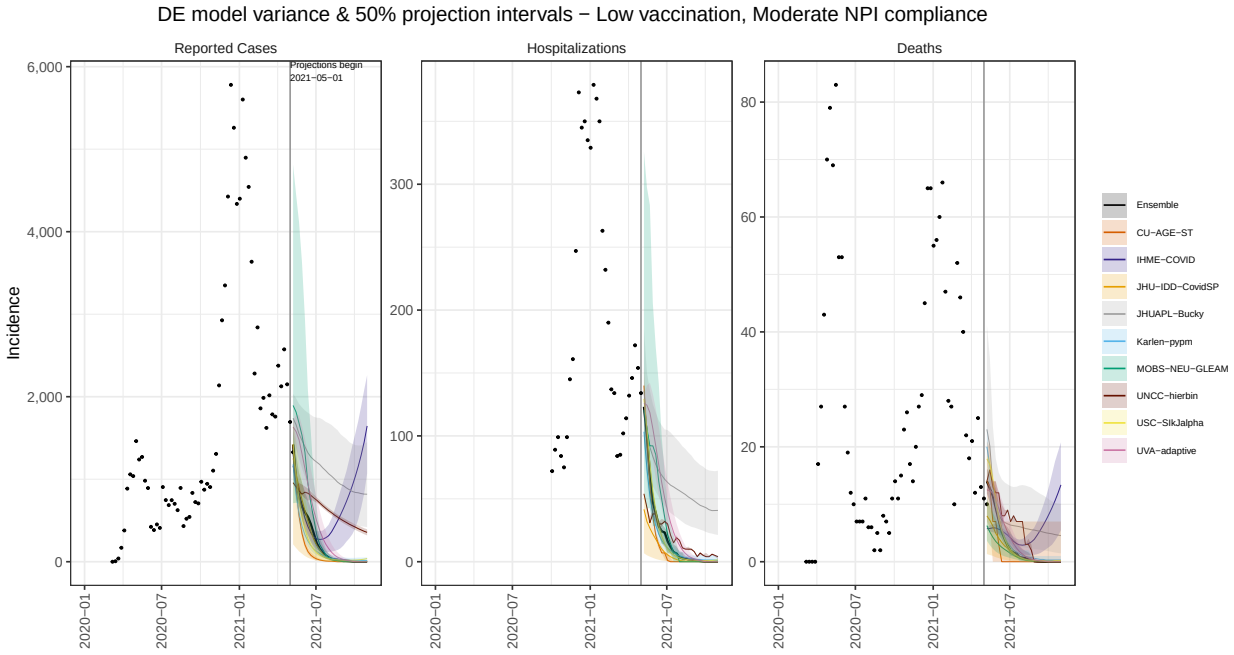

AZ model variance & 50% projection intervals − Low vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

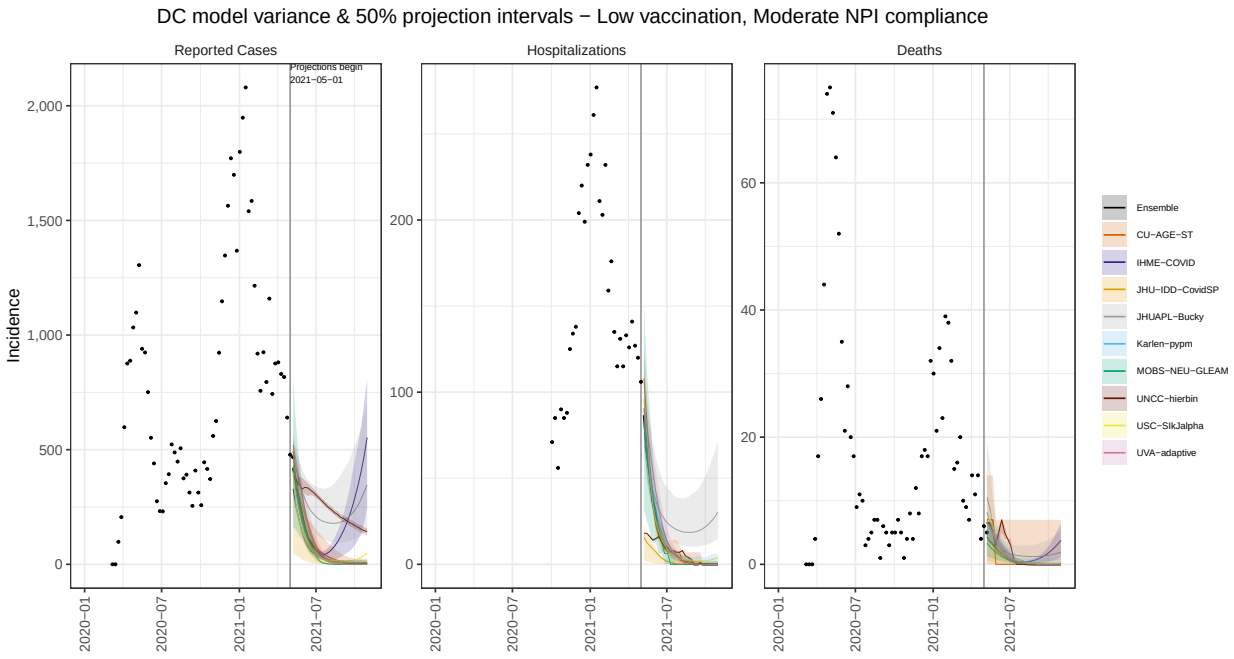

AR model variance & 50% projection intervals − Low vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

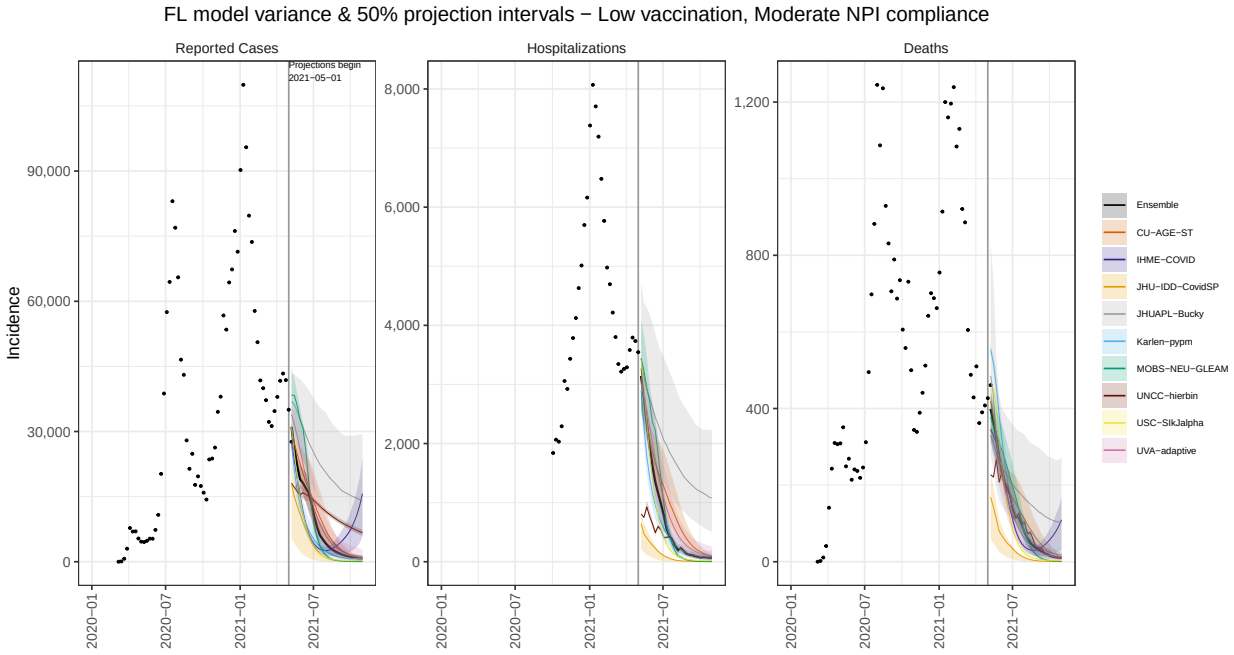

CA model variance & 50% projection intervals − Low vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
300,000
200,000
100,000
0
15,000
10,000
5,000
4,000
3,000
2,000
1,000
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

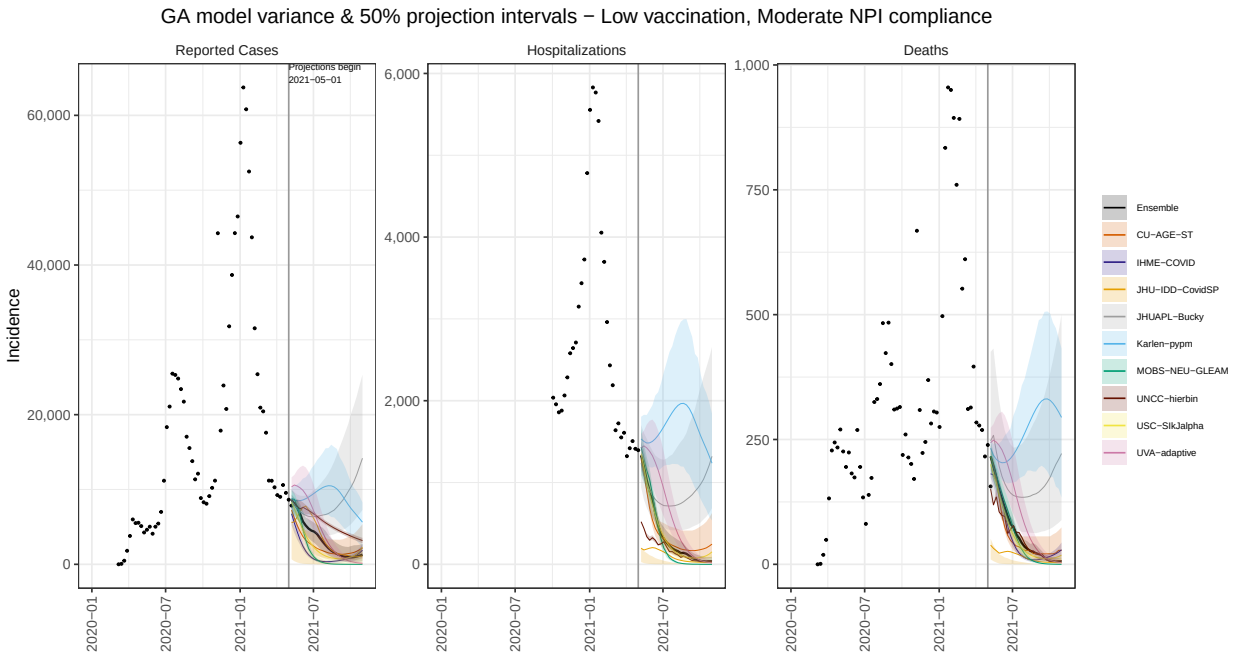

CO model variance & 50% projection intervals − Low vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
30,000
20,000
10,000
0
2,000
1,500
1,000
500
400
300
200
100
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

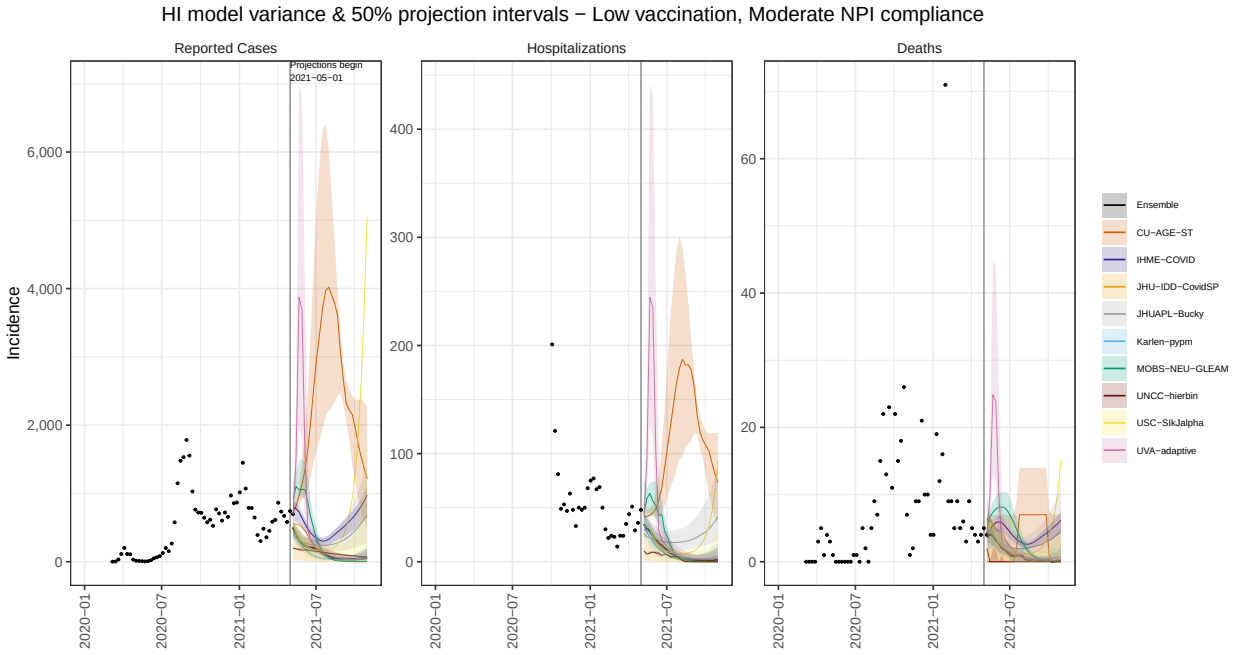

CT model variance & 50% projection intervals − Low vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

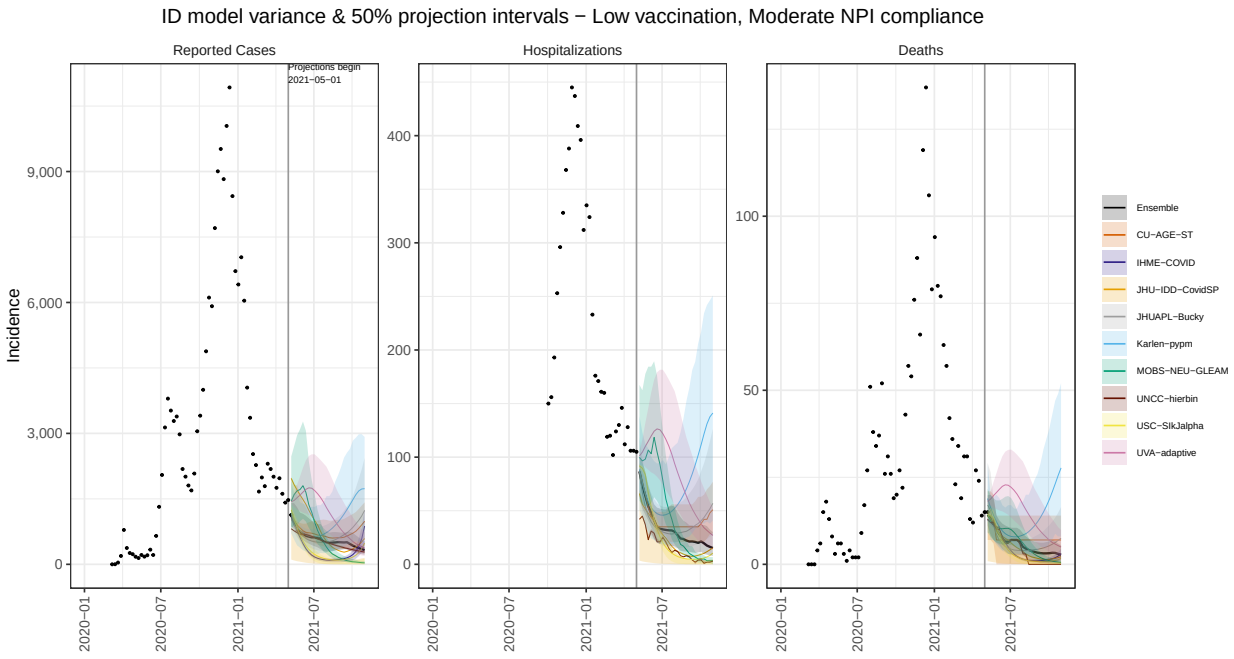

DE model variance & 50% projection intervals − Low vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

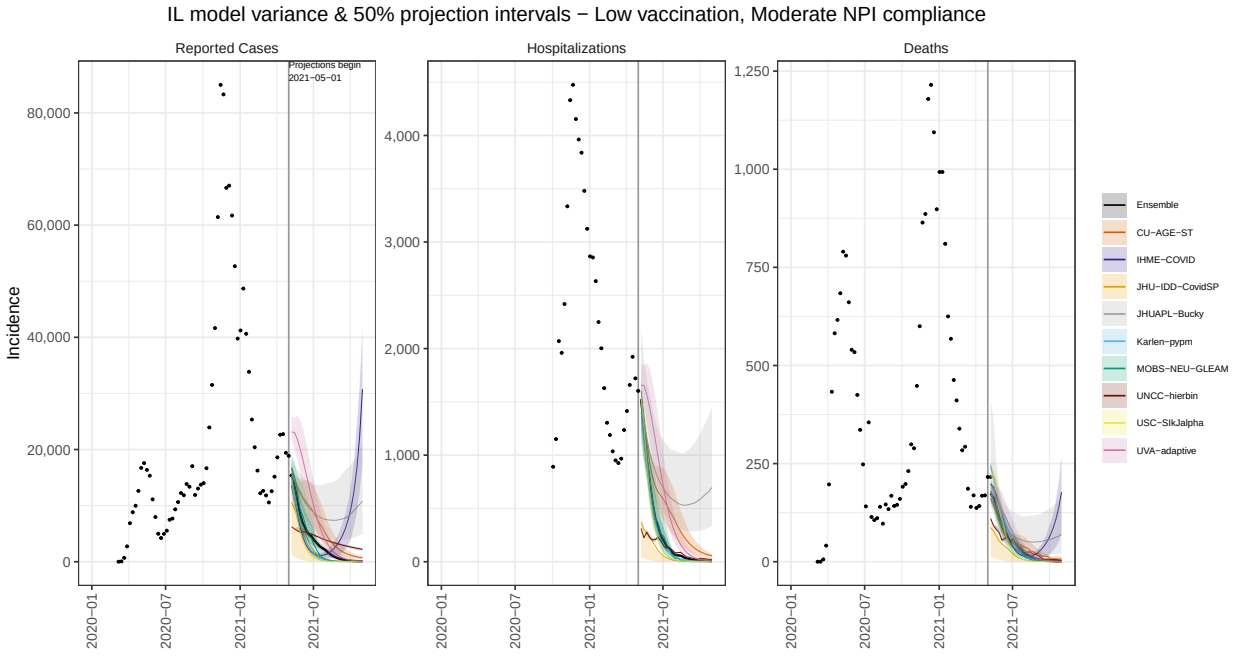

DC model variance & 50% projection intervals − Low vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

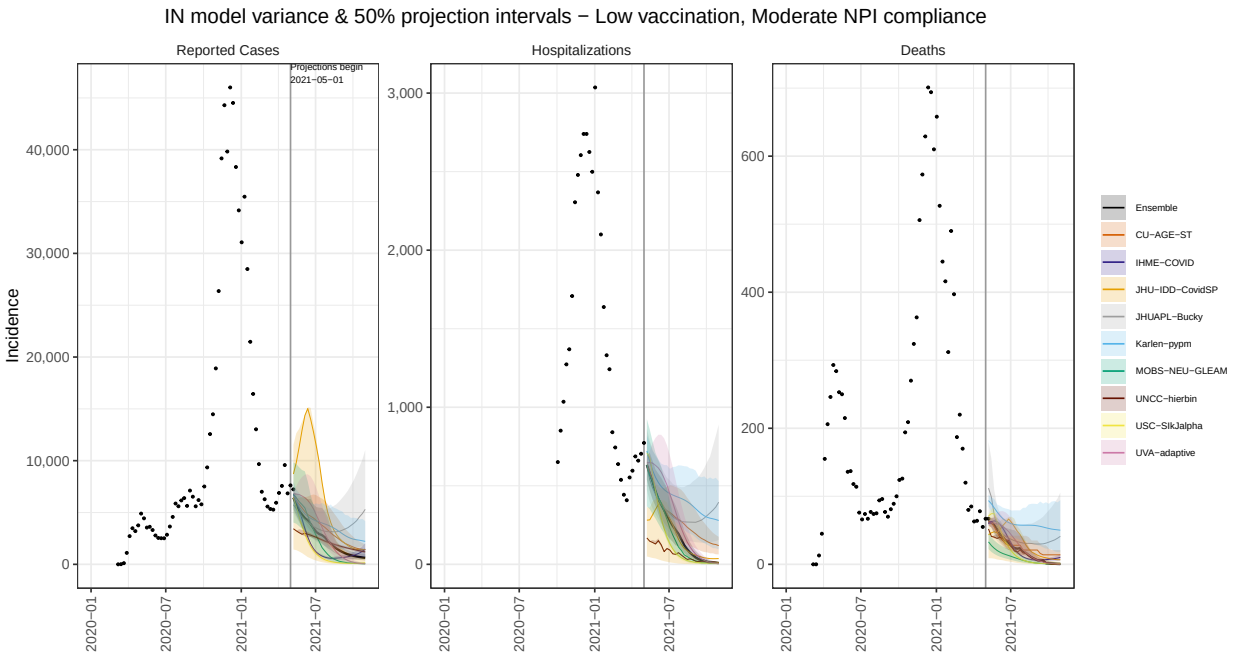

FL model variance & 50% projection intervals − Low vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

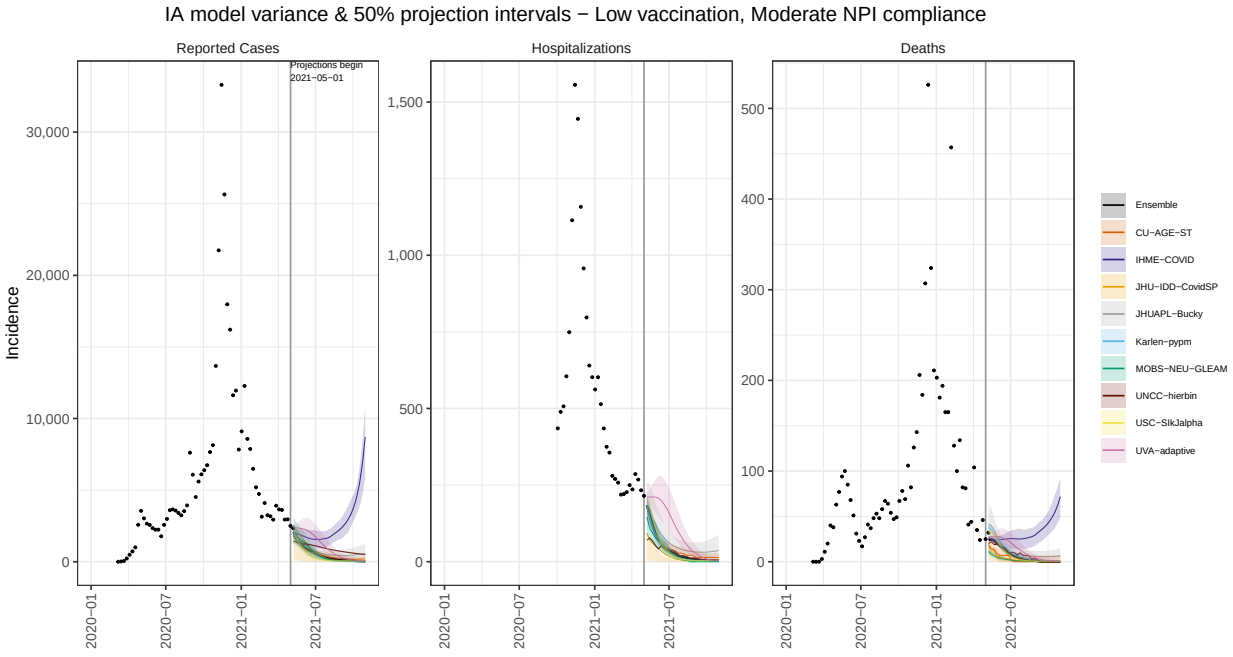

GA model variance & 50% projection intervals − Low vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
60,000
40,000
20,000
0
6,000
4,000
2,000
1,000
750
500
250
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

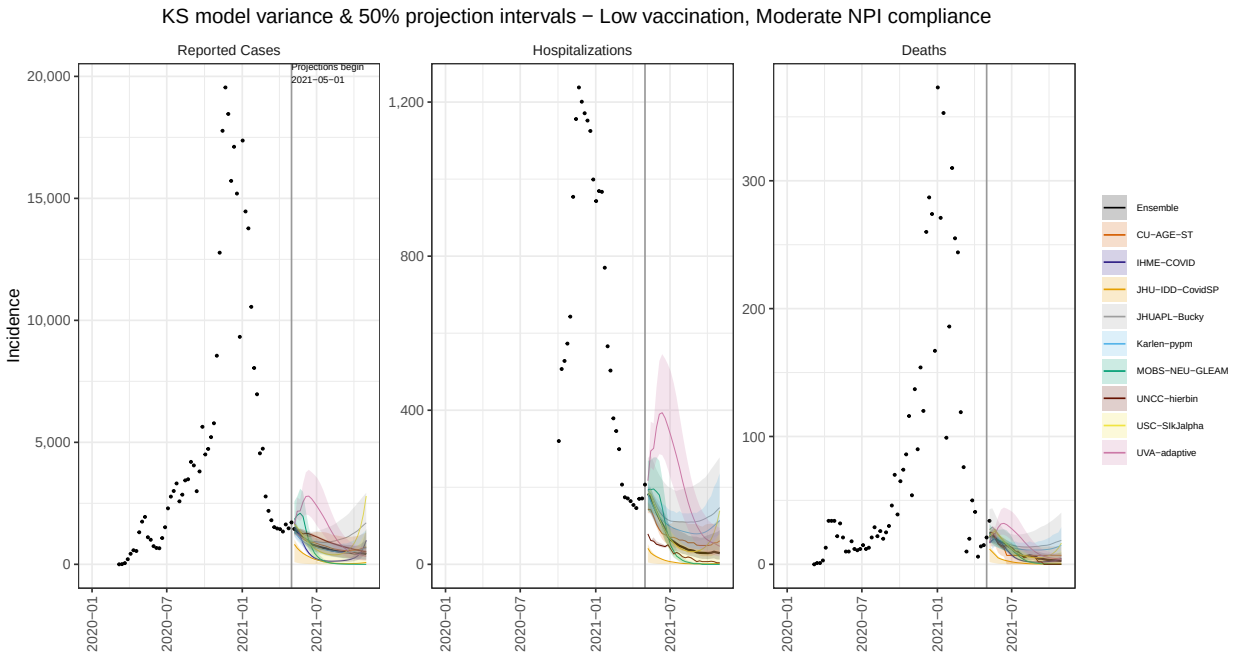

HI model variance & 50% projection intervals − Low vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
6,000
4,000
2,000
0
400
300
200
100
60
40
20
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

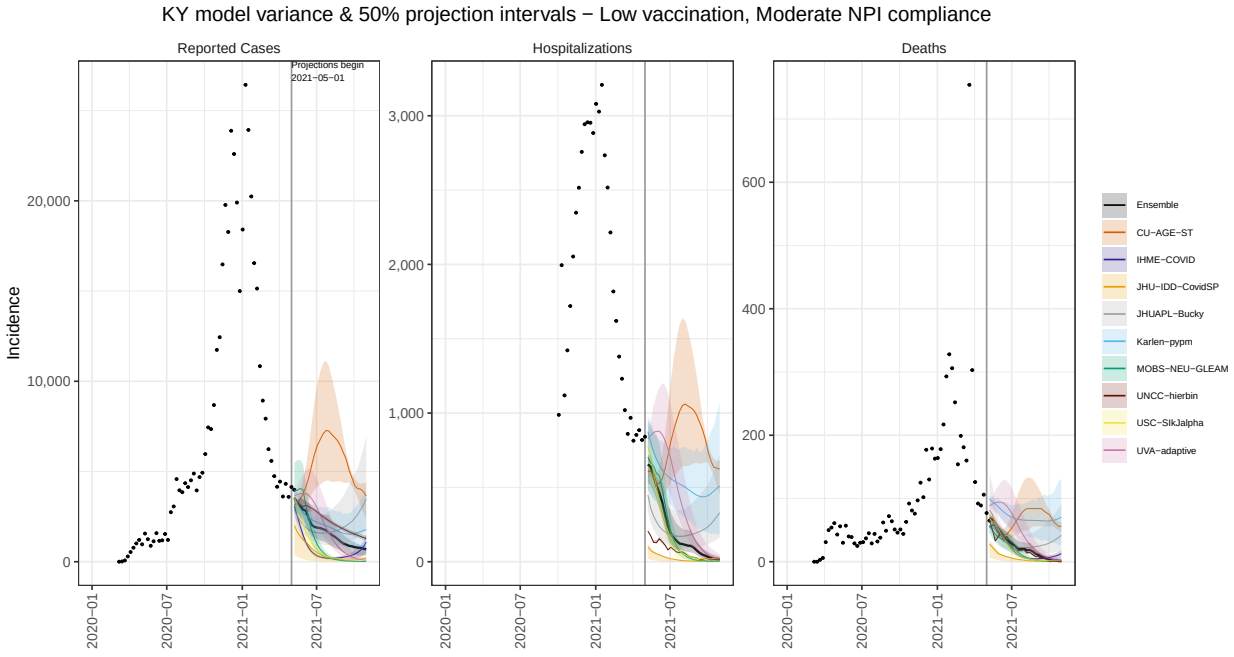

ID model variance & 50% projection intervals − Low vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

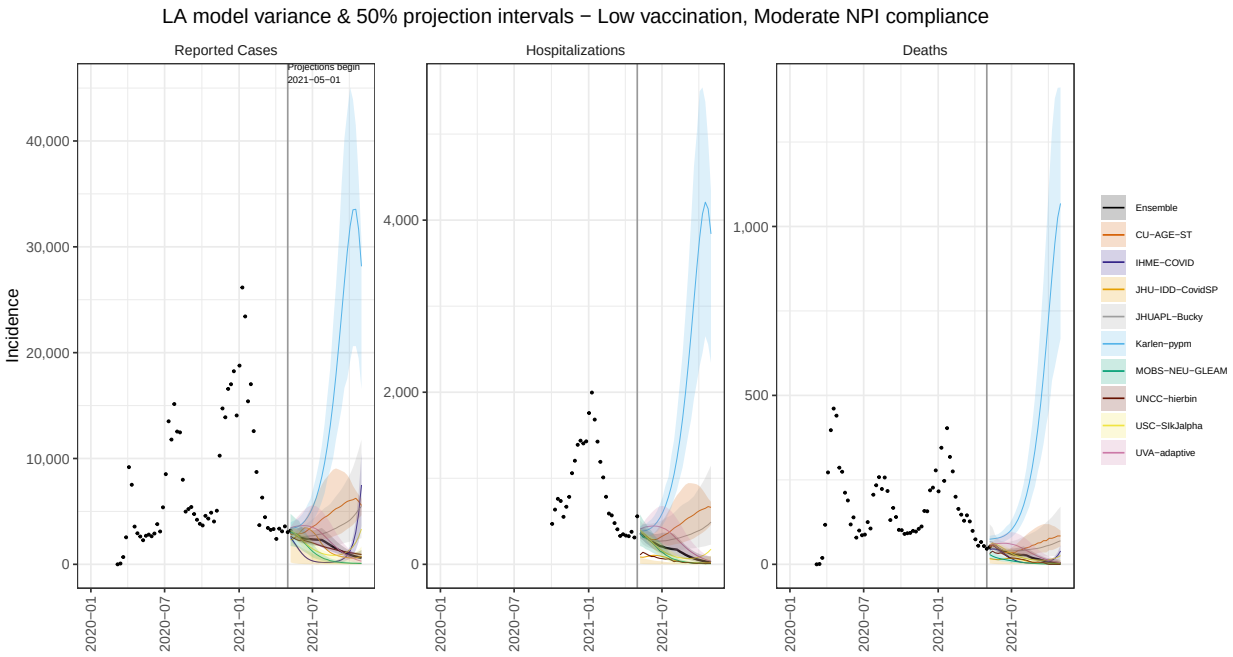

IL model variance & 50% projection intervals − Low vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

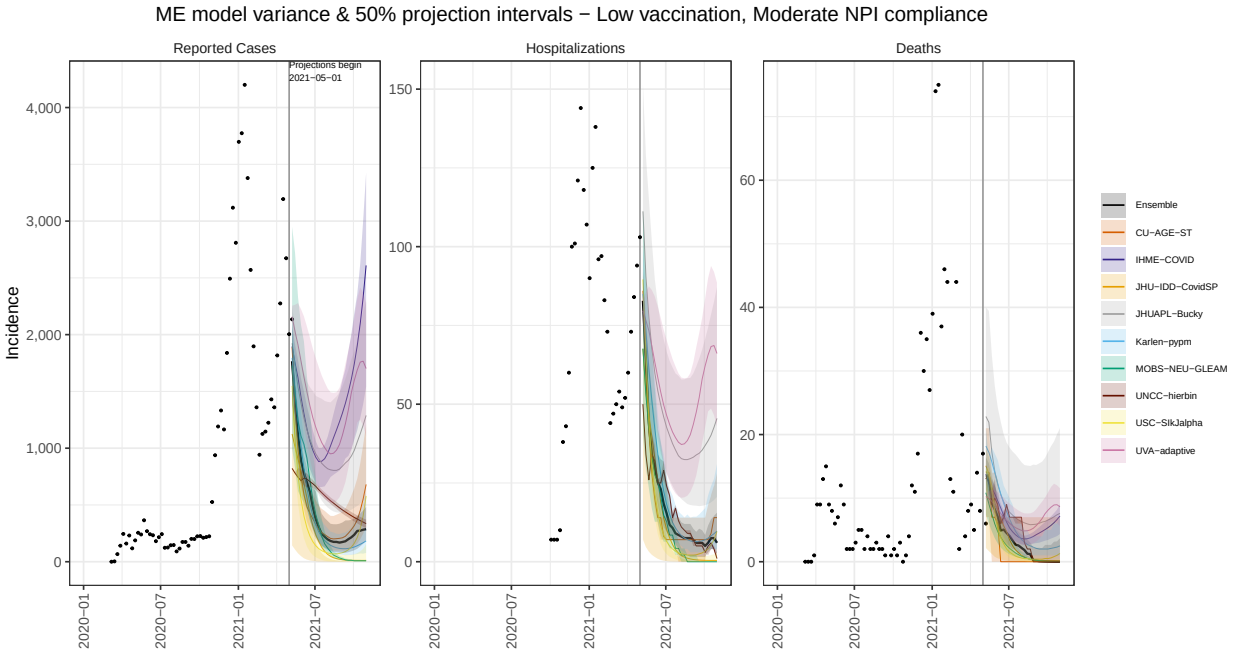

IN model variance & 50% projection intervals − Low vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

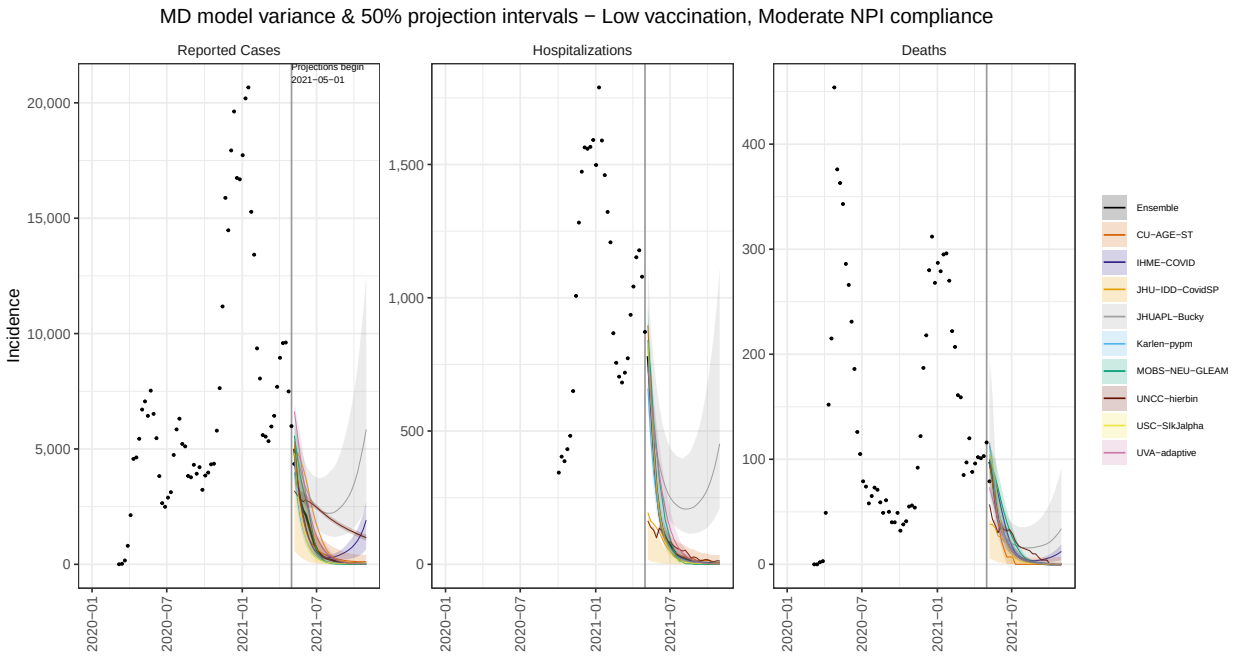

IA model variance & 50% projection intervals − Low vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

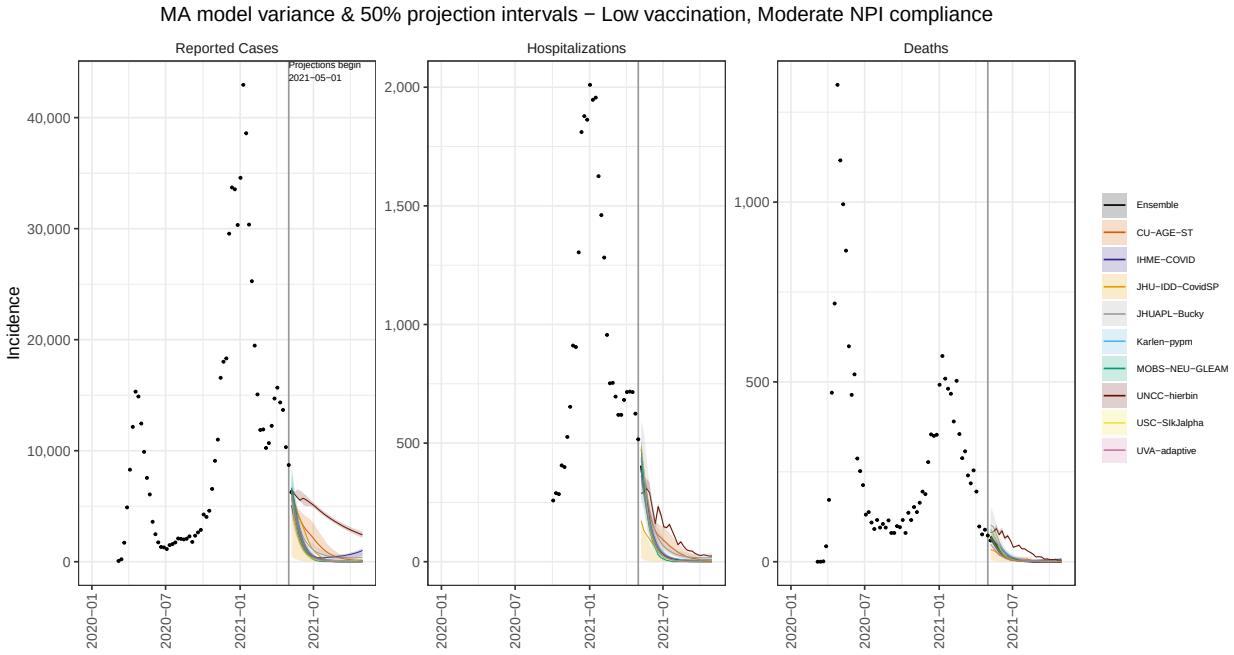

KS model variance & 50% projection intervals − Low vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
20,000
15,000
10,000
5,000
0
1,200
800
400
300
200
100
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

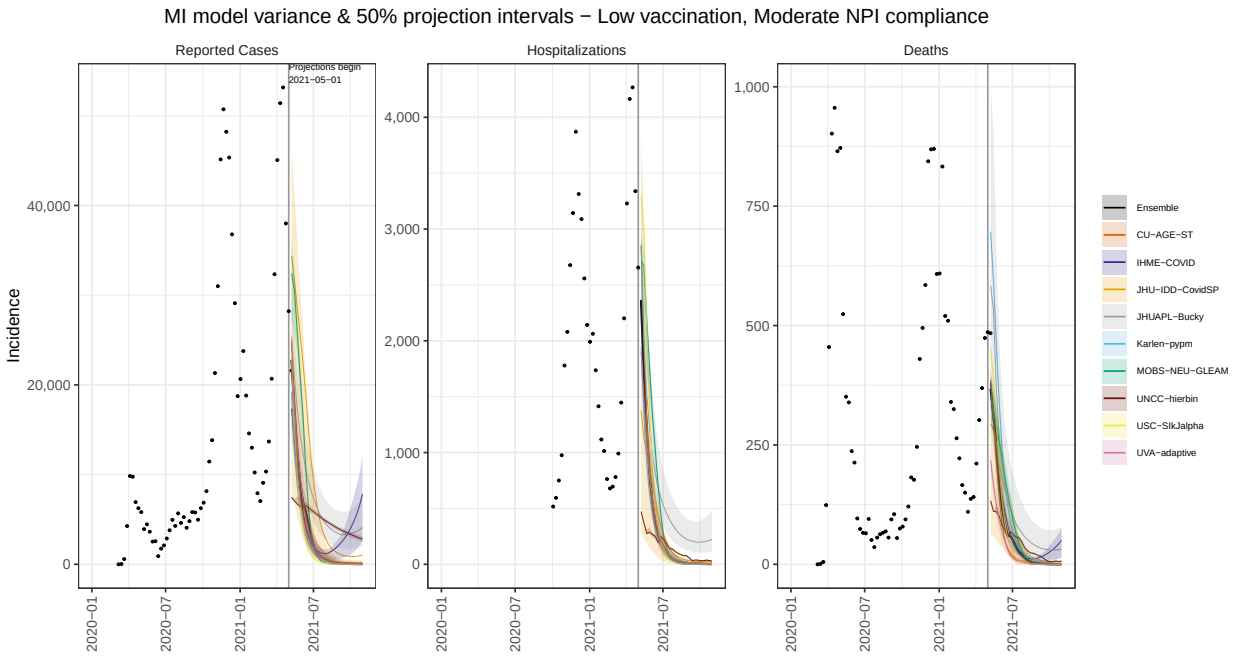

KY model variance & 50% projection intervals − Low vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
20,000
10,000
0
3,000
2,000
1,000
600
400
200
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

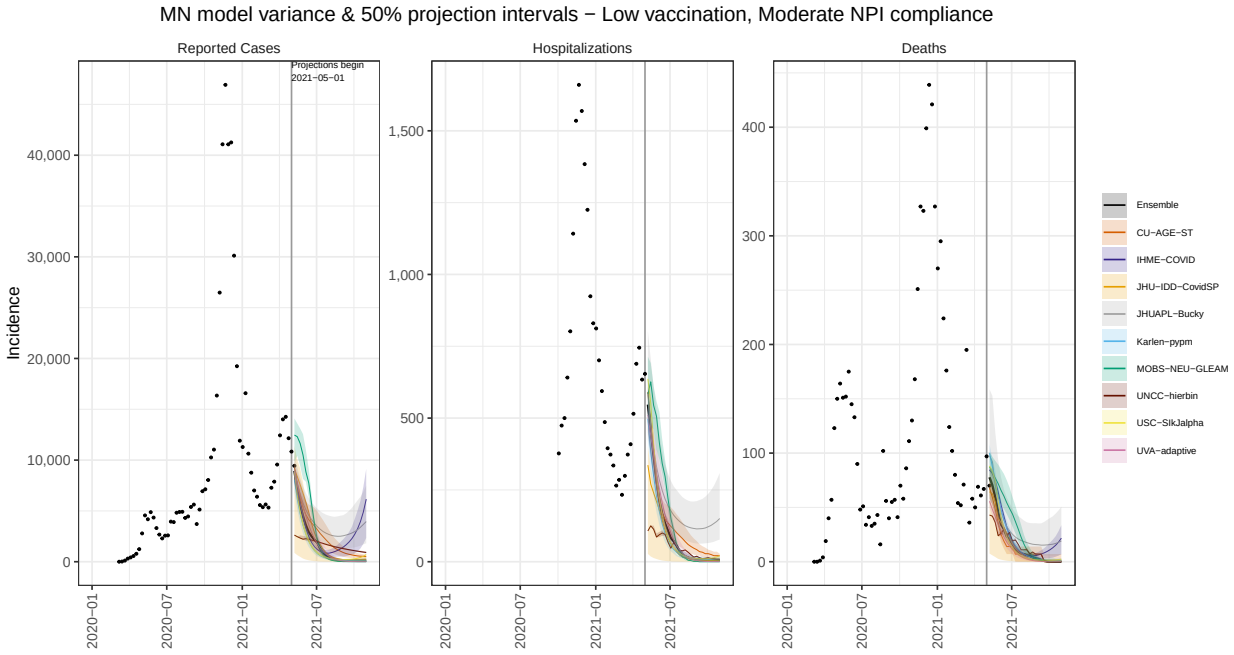

LA model variance & 50% projection intervals − Low vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

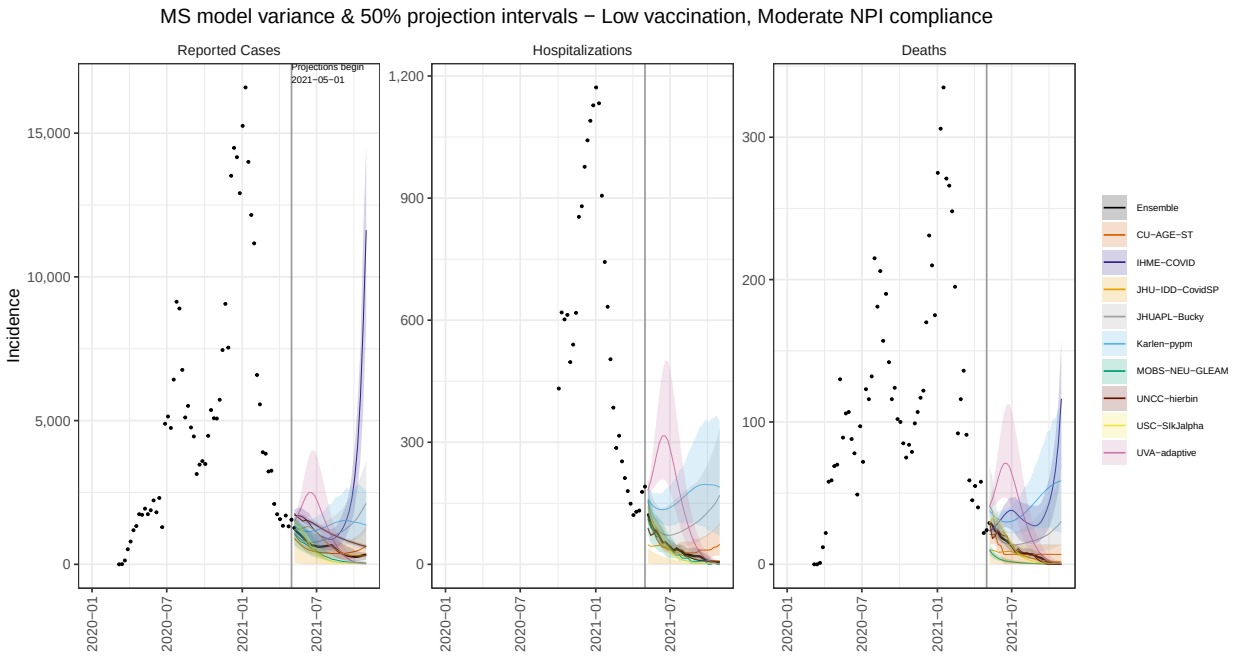

ME model variance & 50% projection intervals − Low vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

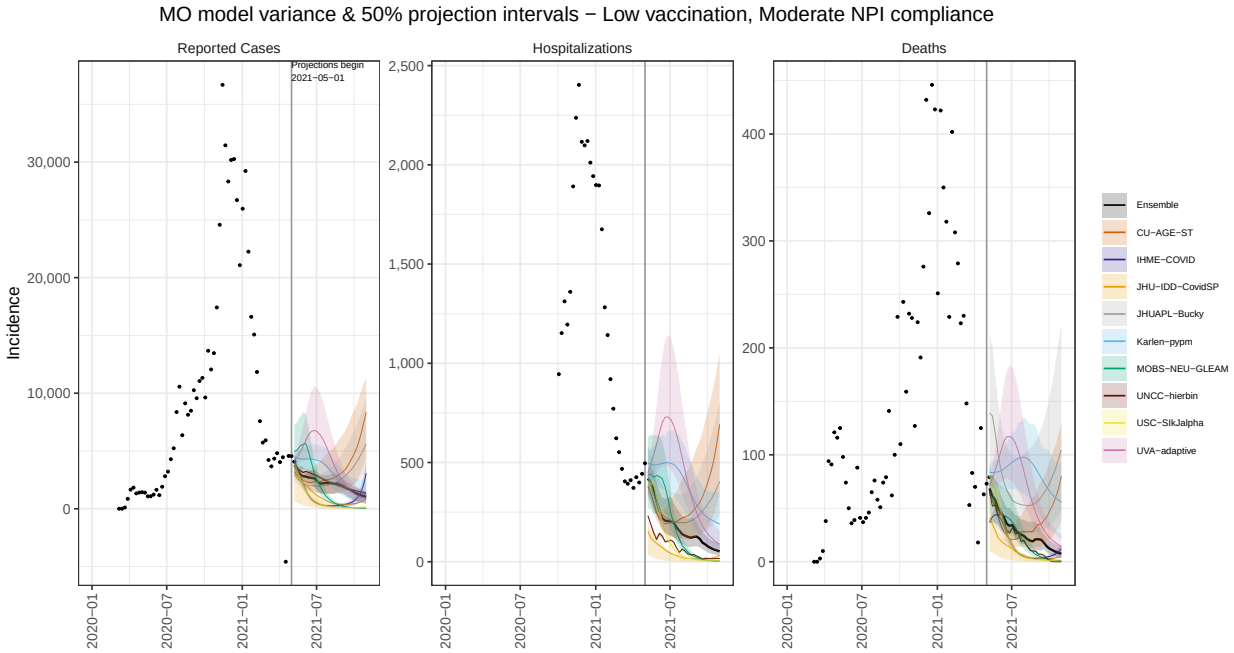

MD model variance & 50% projection intervals − Low vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

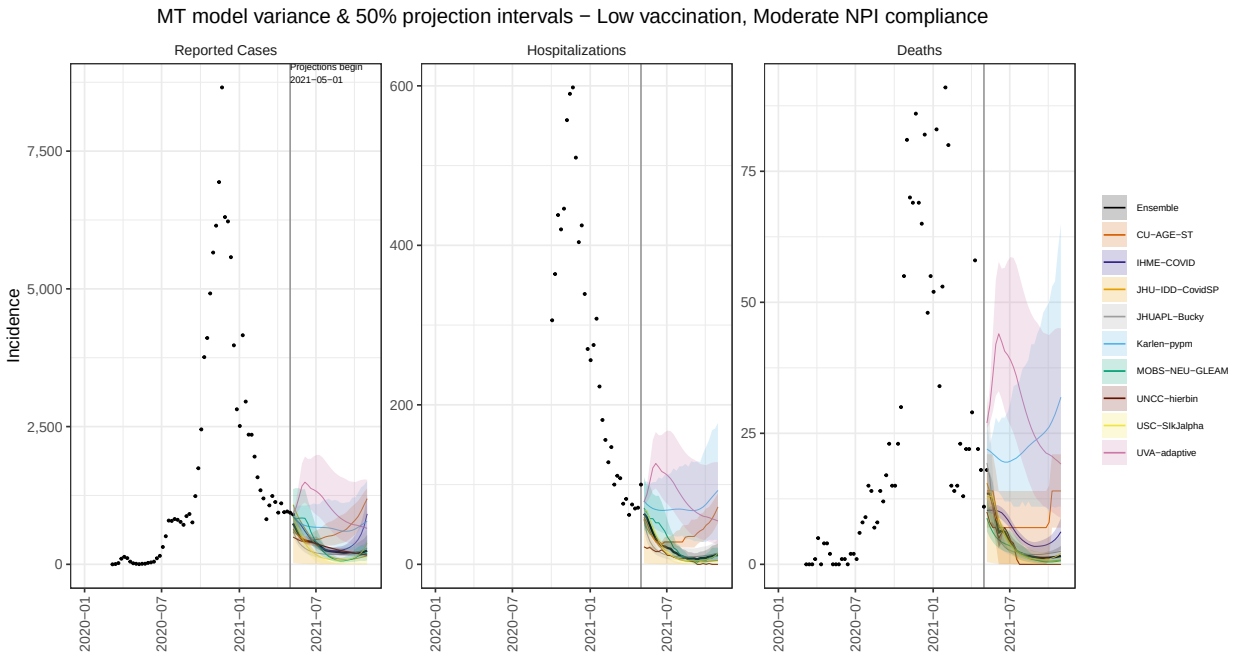

MA model variance & 50% projection intervals − Low vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

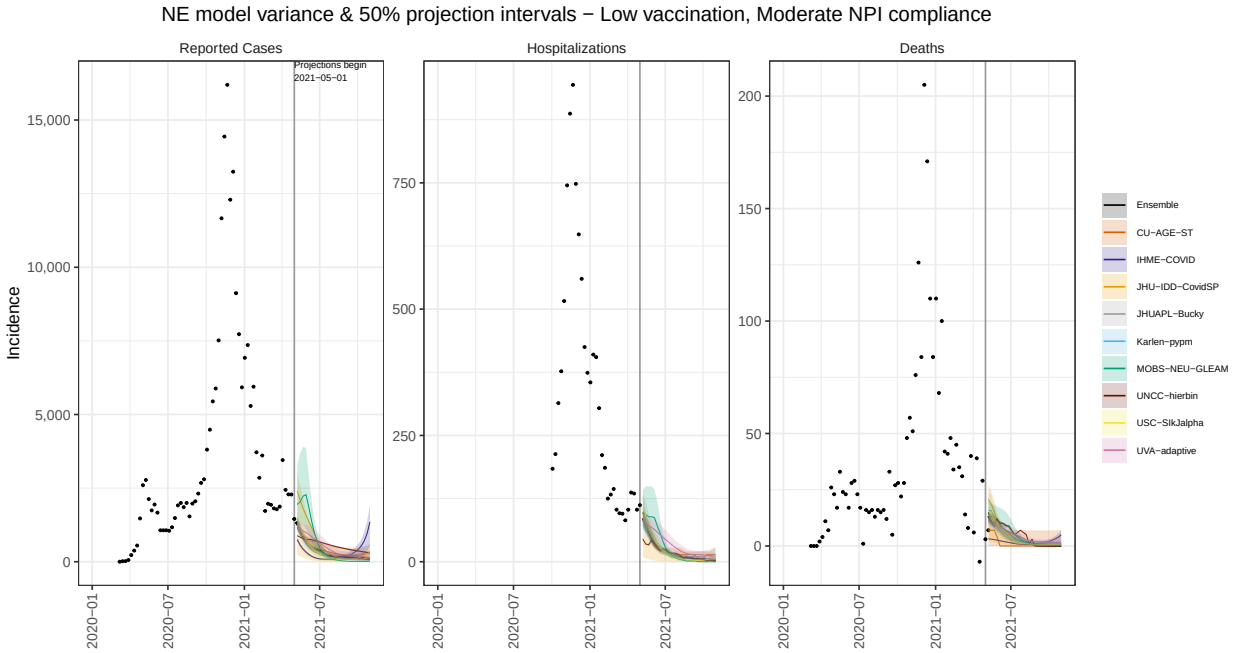

MI model variance & 50% projection intervals − Low vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

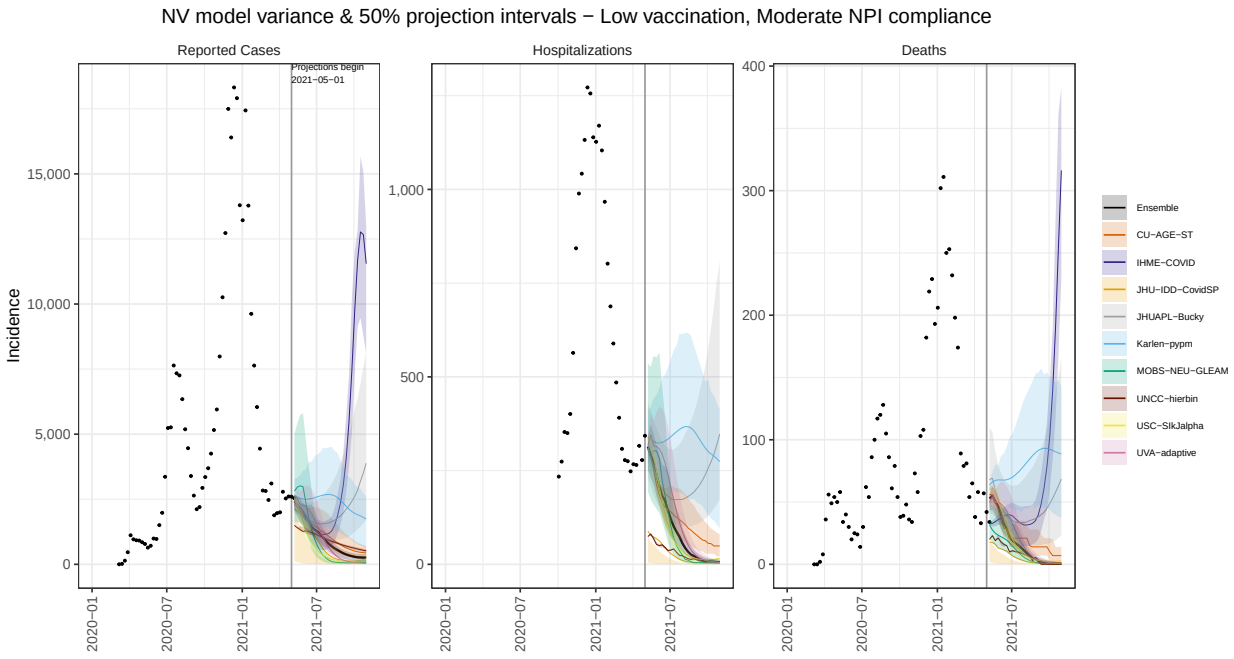

MN model variance & 50% projection intervals − Low vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

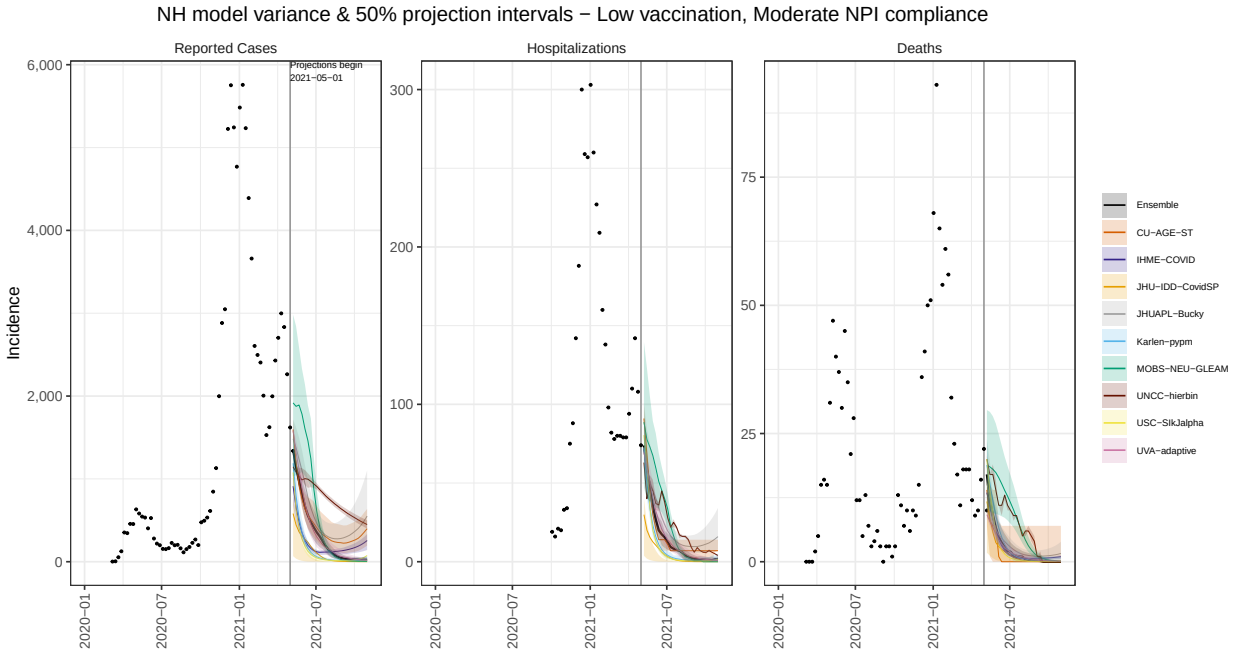

MS model variance & 50% projection intervals − Low vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

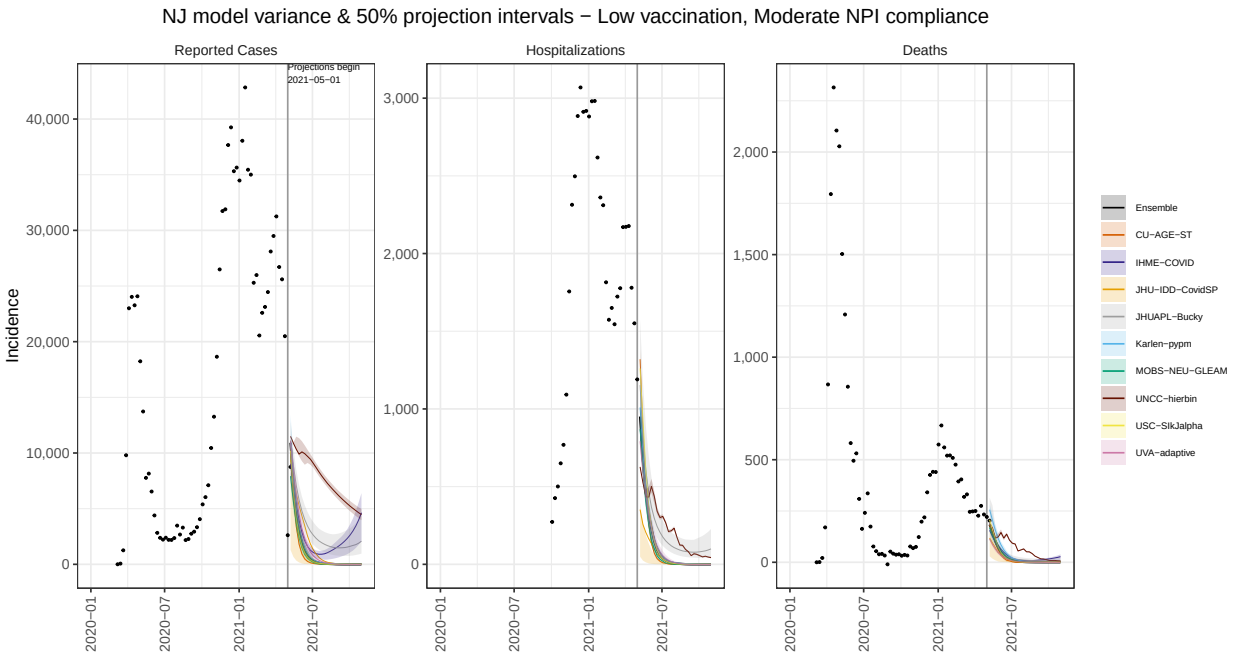

MO model variance & 50% projection intervals − Low vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

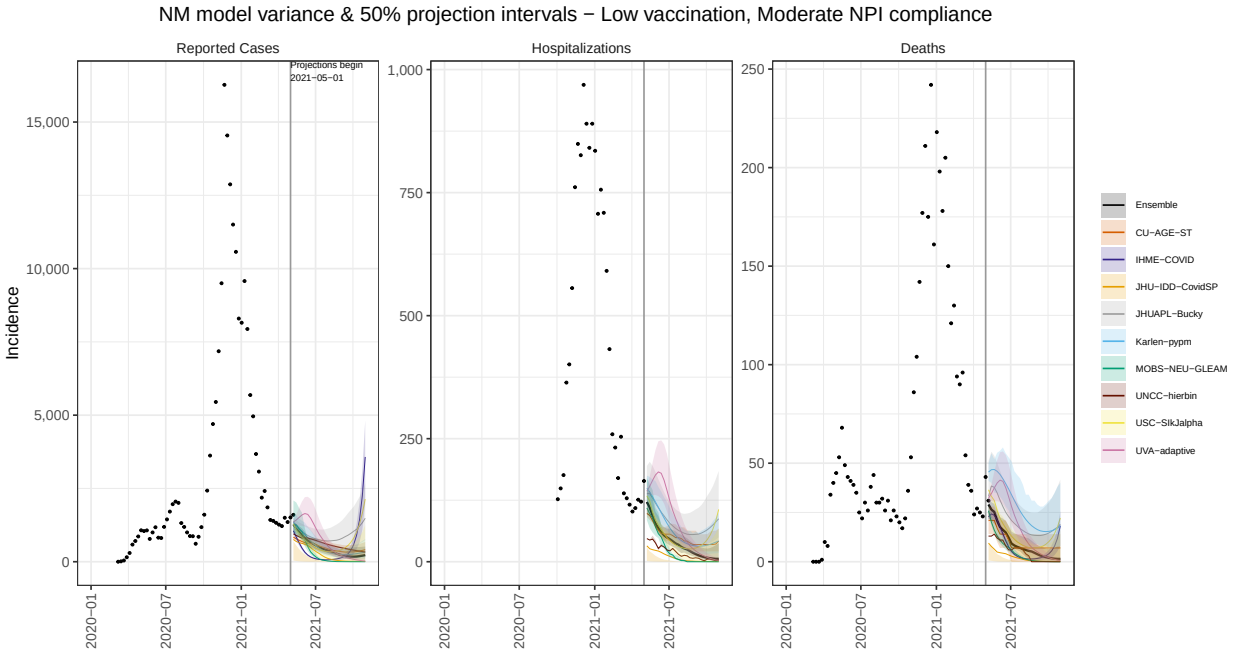

MT model variance & 50% projection intervals − Low vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

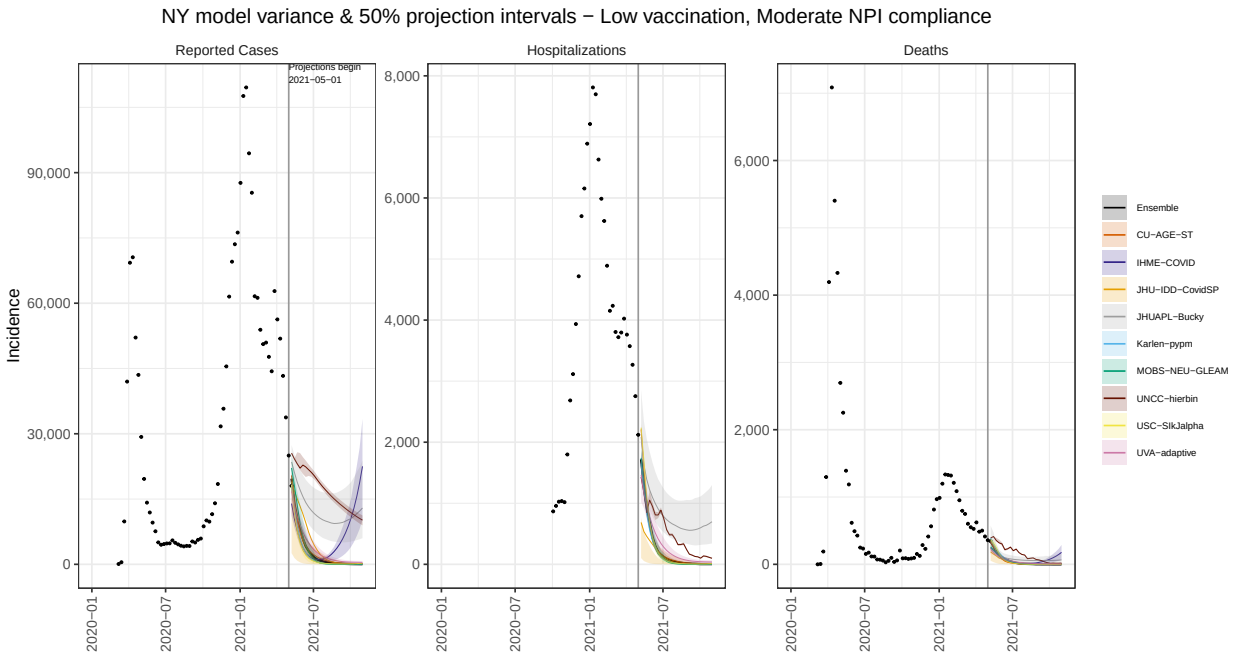

NE model variance & 50% projection intervals − Low vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

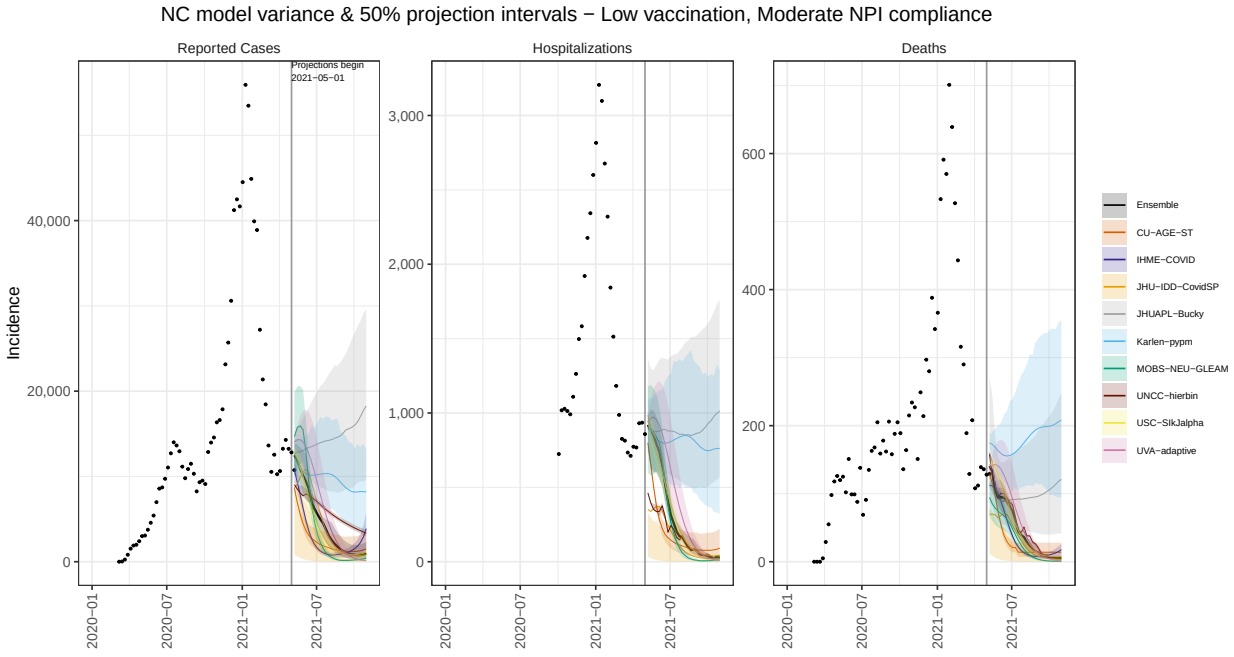

NV model variance & 50% projection intervals − Low vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
15,000
10,000
5,000
0
1,000
500
400
300
200
100
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

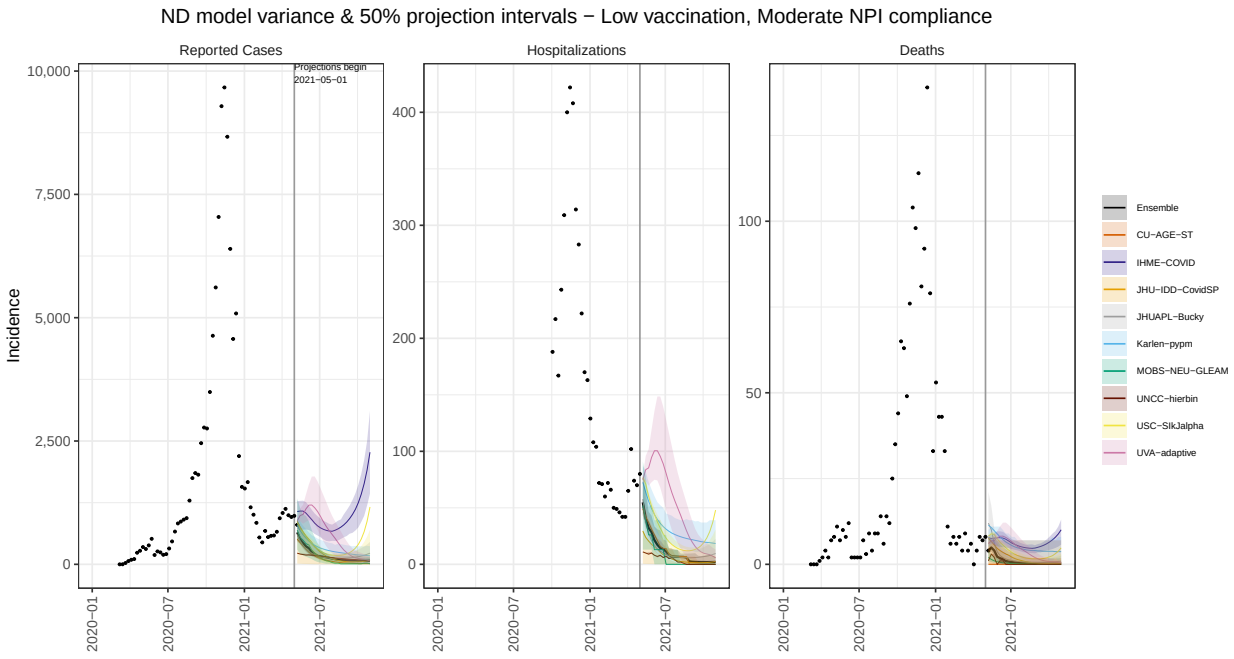

NH model variance & 50% projection intervals − Low vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
6,000
4,000
2,000
0
300
200
100
75
50
25
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

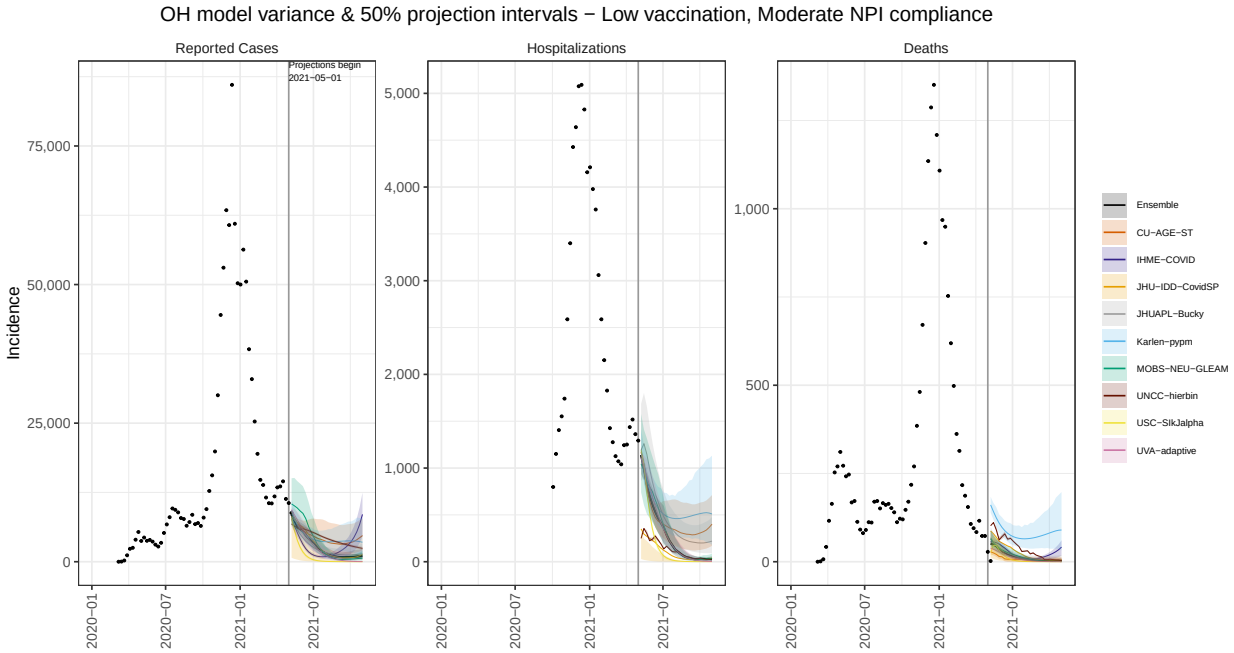

NJ model variance & 50% projection intervals − Low vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
40,000
30,000
20,000
10,000
0
3,000
2,000
1,000
1,500
500
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

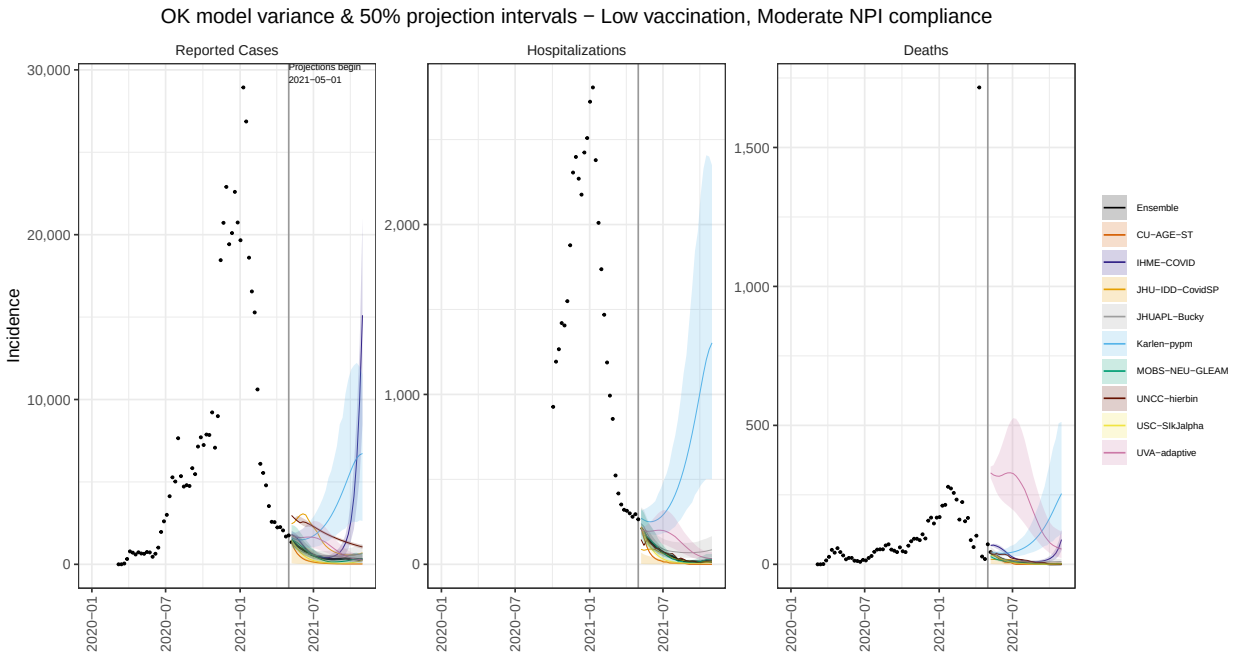

NM model variance & 50% projection intervals − Low vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
15,000
10,000
5,000
0
1,000
750
500
250
200
150
100
50
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

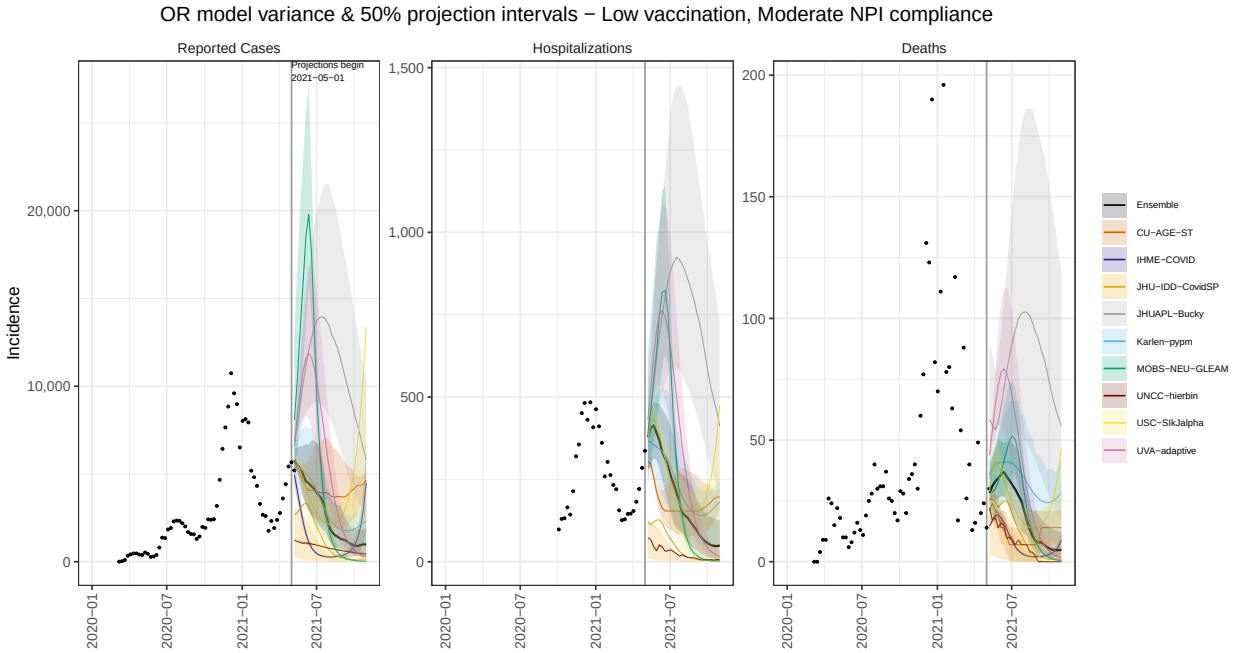

NY model variance & 50% projection intervals − Low vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
90,000
60,000
30,000
0
8,000
6,000
4,000
2,000
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

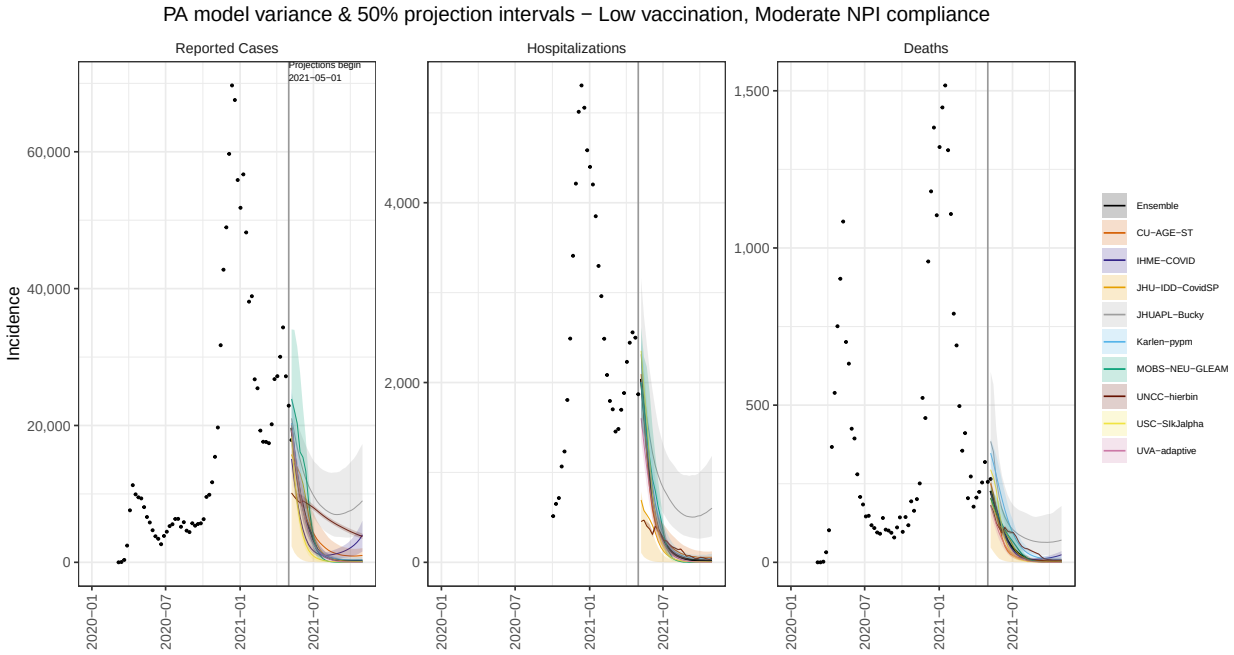

NC model variance & 50% projection intervals − Low vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
40,000
20,000
0
3,000
2,000
1,000
600
400
200
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

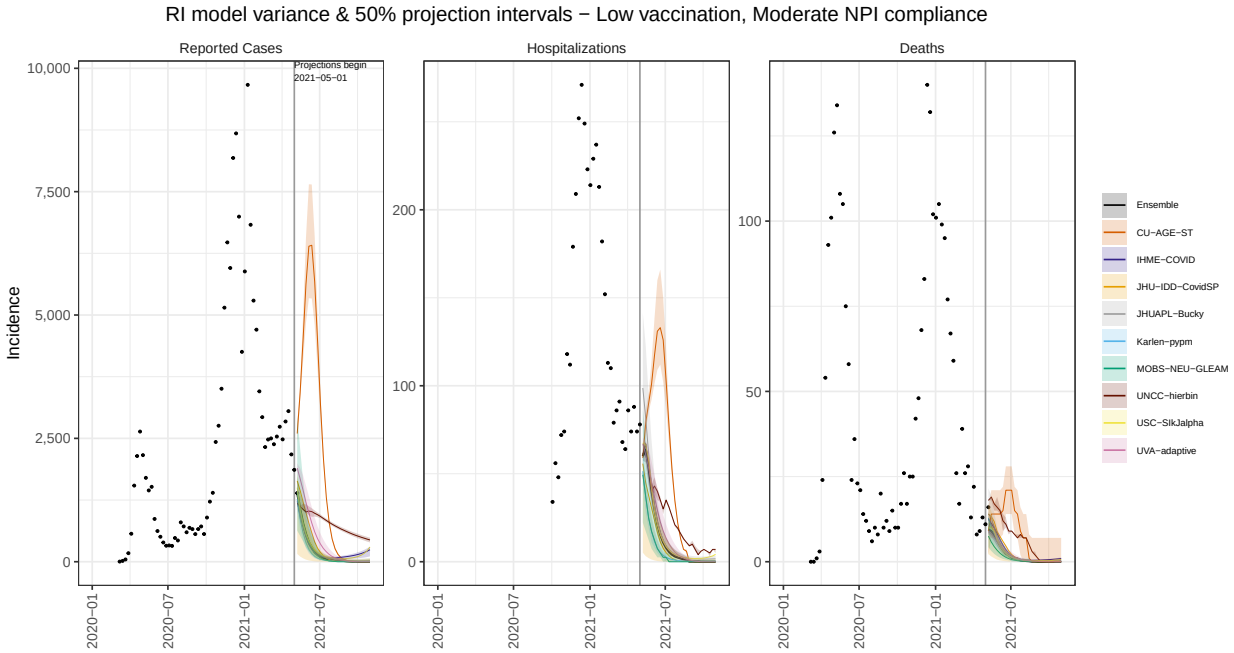

ND model variance & 50% projection intervals − Low vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
10,000
7,500
5,000
2,500
0
400
300
200
100
0
100
50
0
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

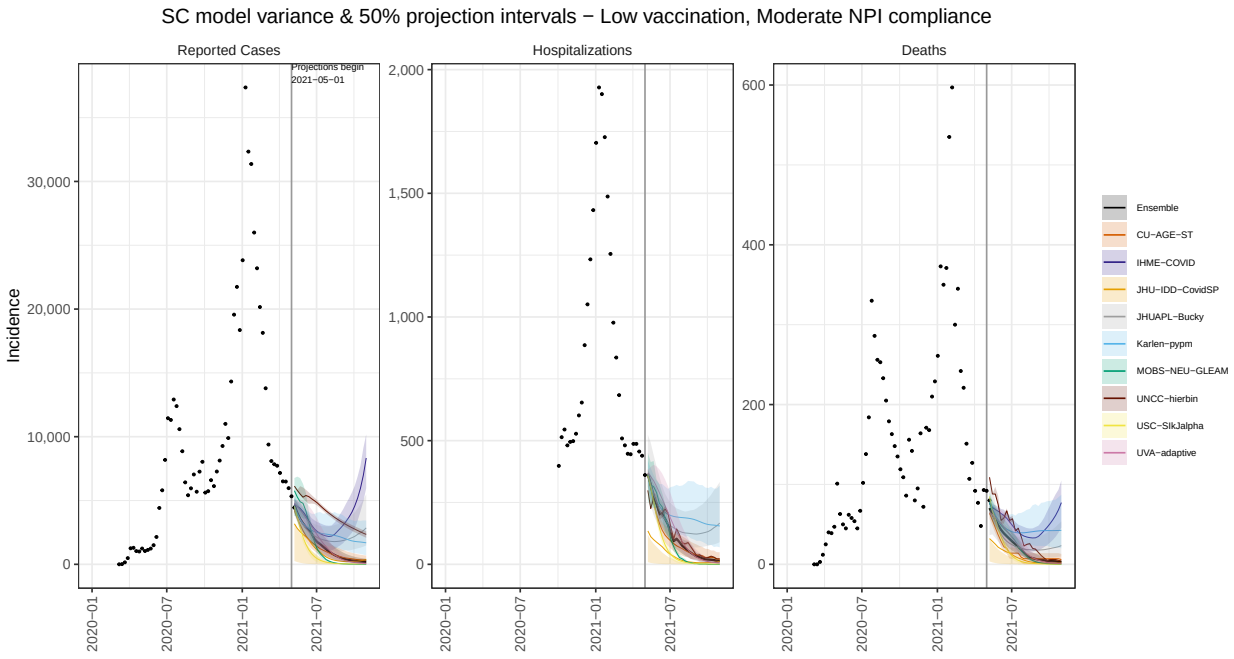

OH model variance & 50% projection intervals − Low vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
75,000
50,000
25,000
0
5,000
4,000
3,000
2,000
1,000
0
1,000
500
0
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

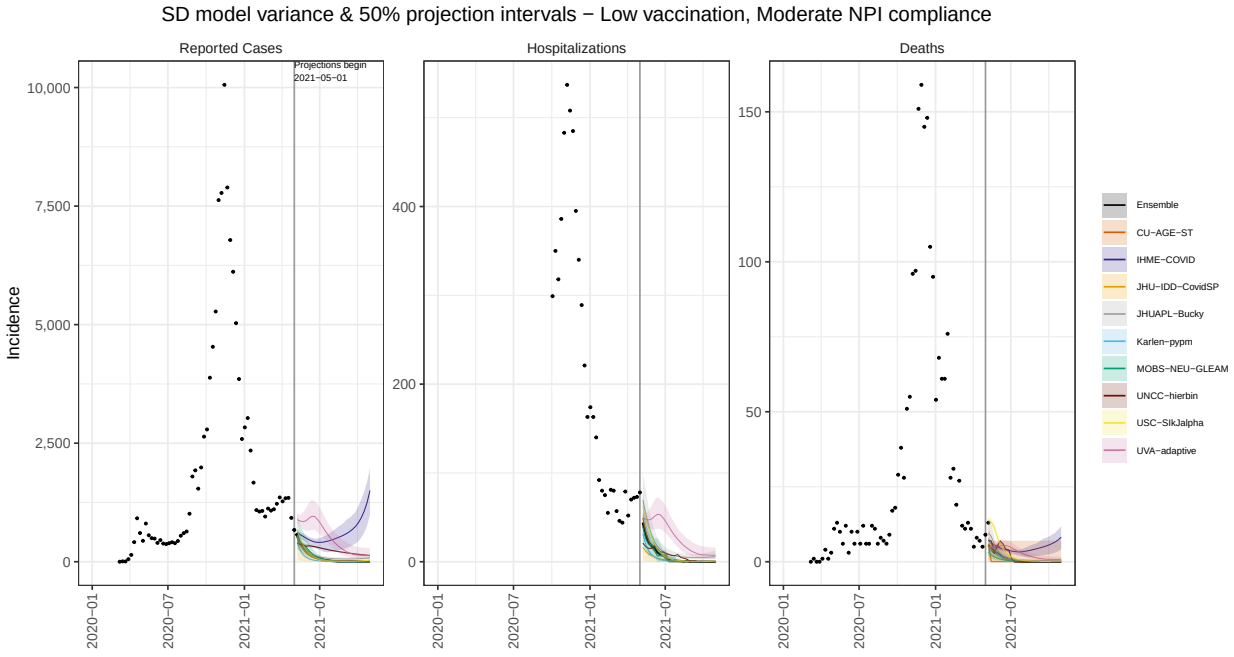

OK model variance & 50% projection intervals − Low vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
30,000
20,000
10,000
0
2,000
1,000
1,500
500
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

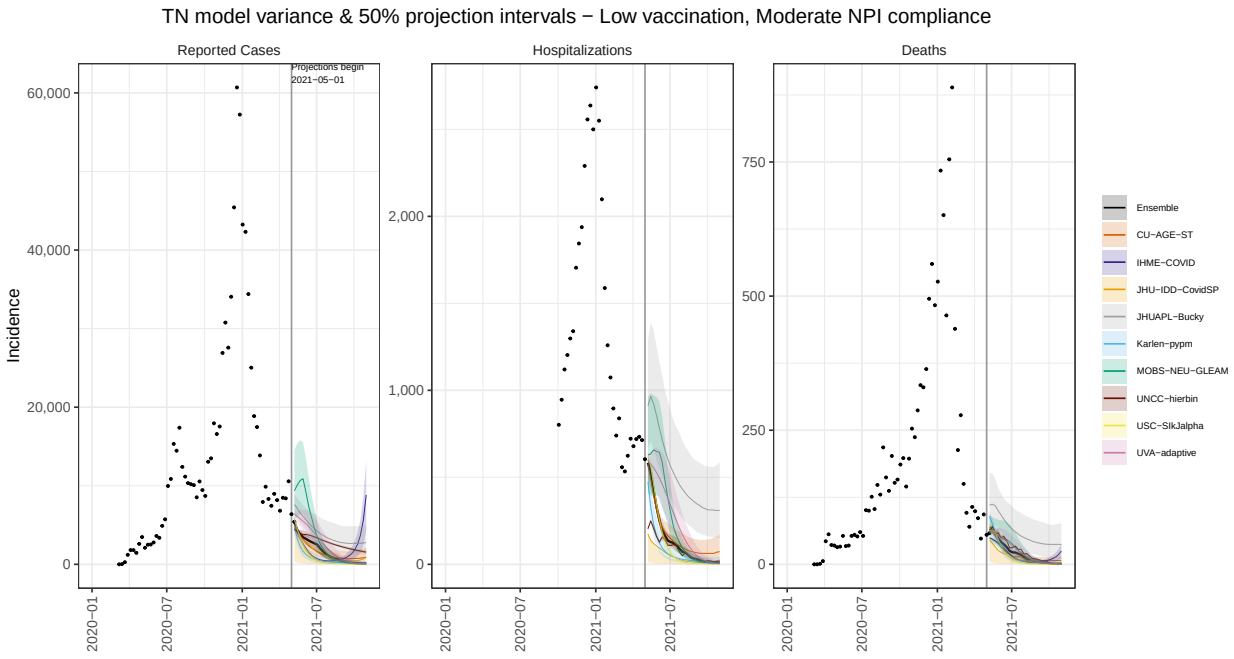

OR model variance & 50% projection intervals − Low vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
20,000
10,000
0
1,500
1,000
500
200
150
100
50
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

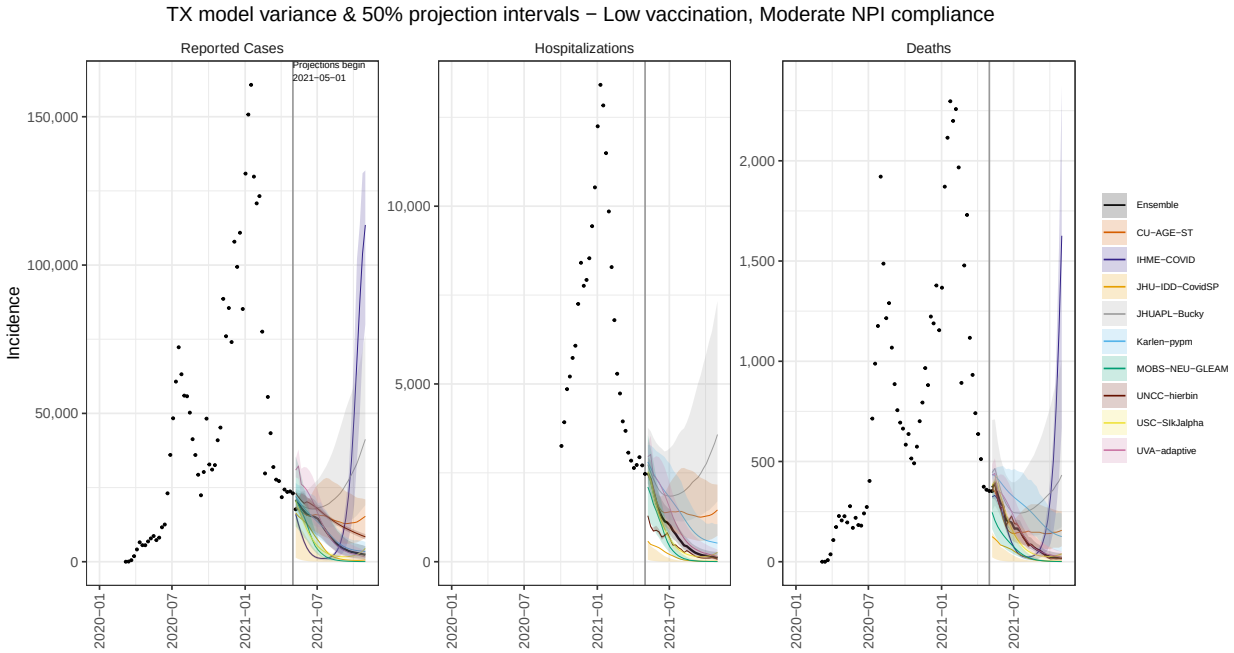

PA model variance & 50% projection intervals − Low vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
60,000
40,000
20,000
0
4,000
2,000
1,500
1,000
500
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

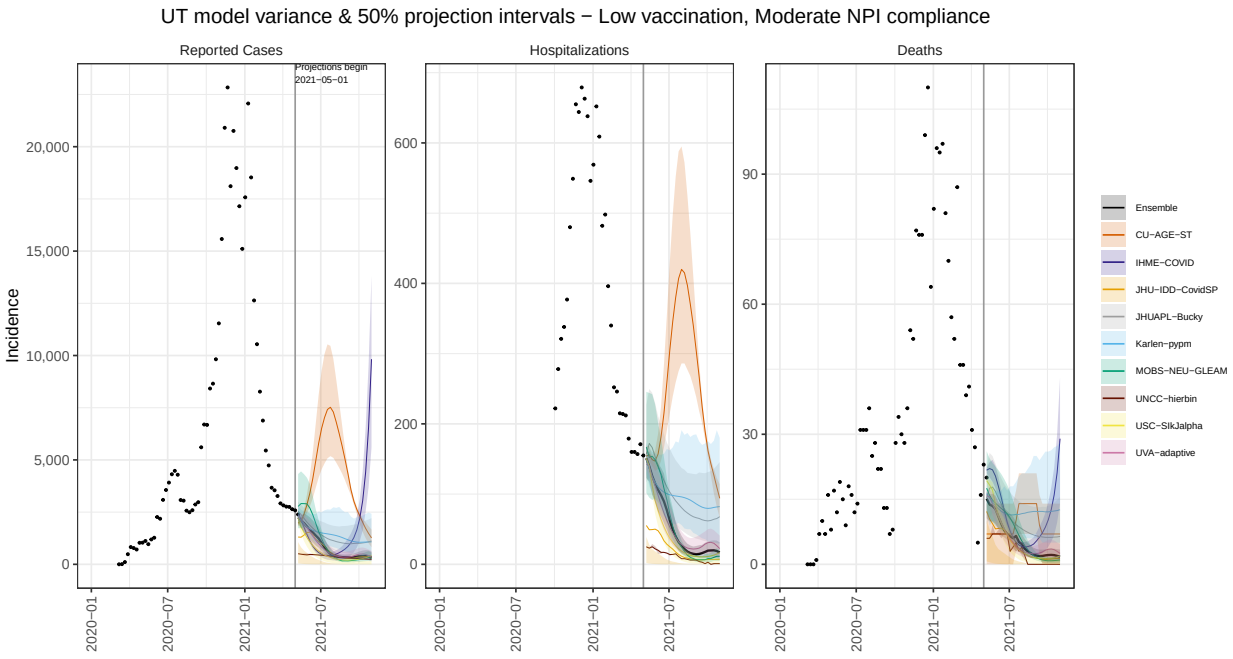

RI model variance & 50% projection intervals − Low vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
10,000
7,500
5,000
2,500
0
200
100
50
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

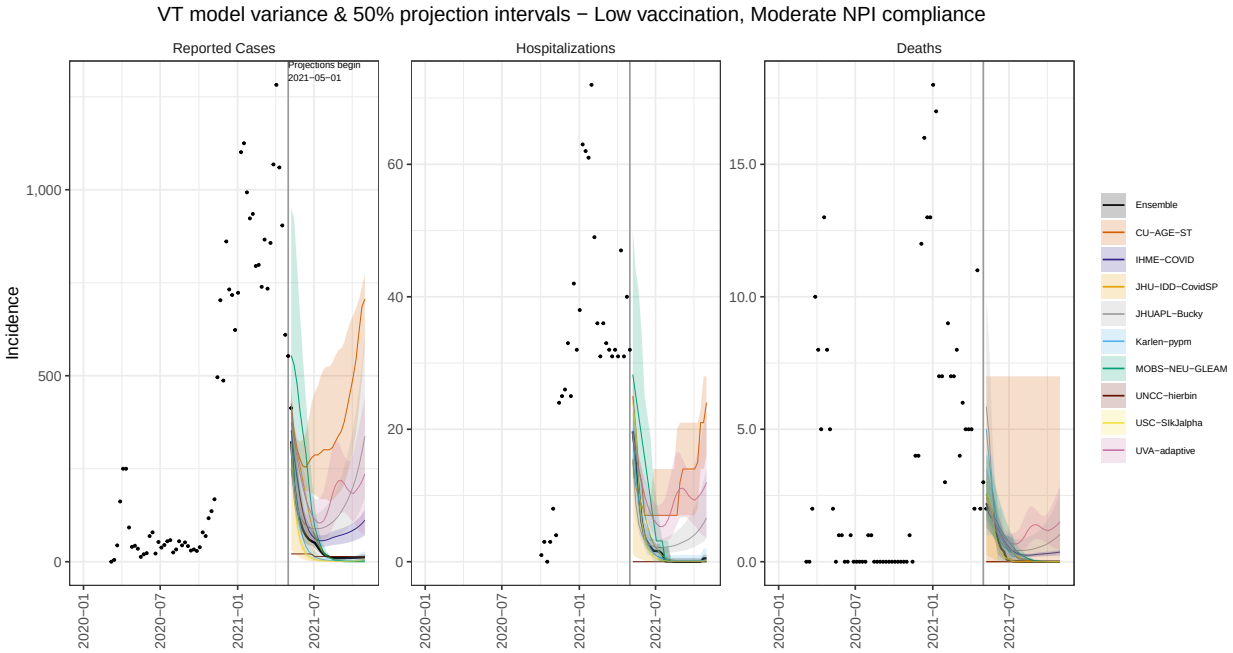

SC model variance & 50% projection intervals − Low vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

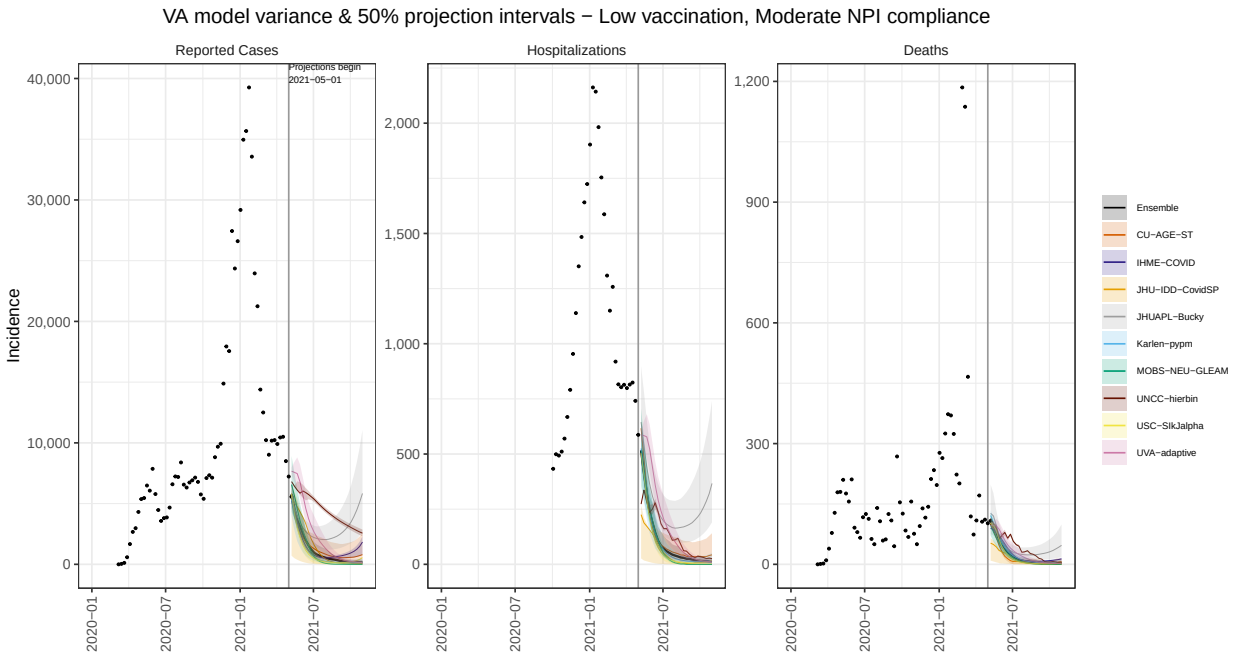

SD model variance & 50% projection intervals − Low vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

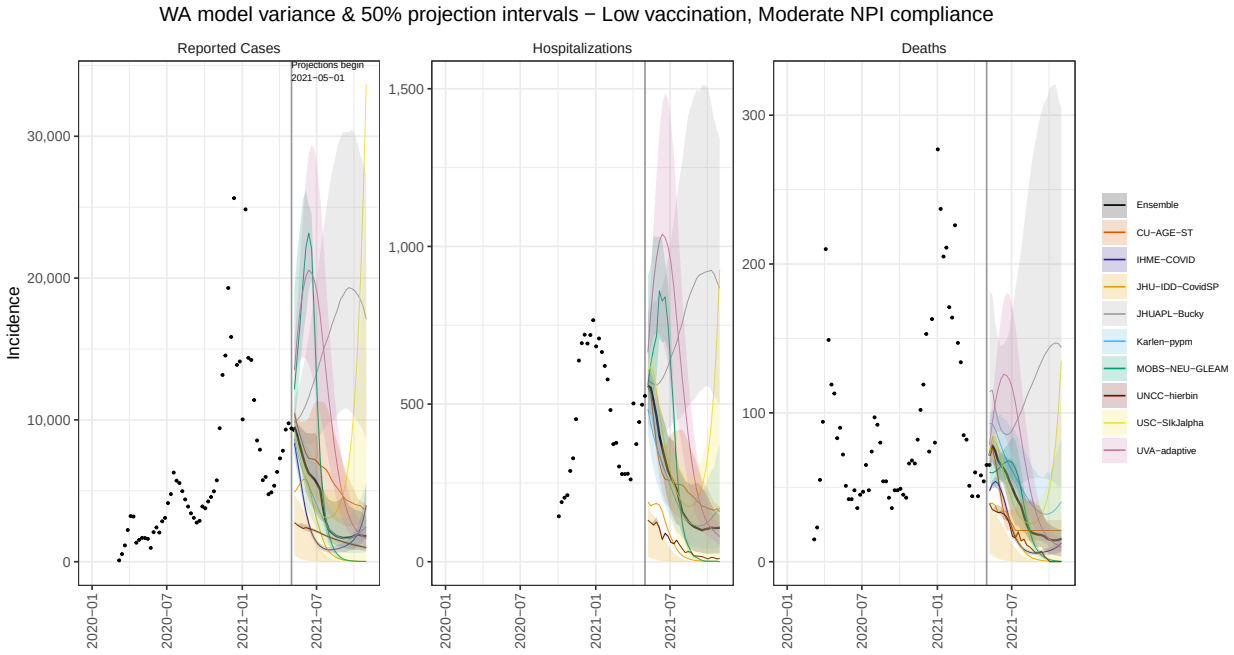

TN model variance & 50% projection intervals − Low vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
60,000
40,000
20,000
0
2,000
1,000
750
500
250
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

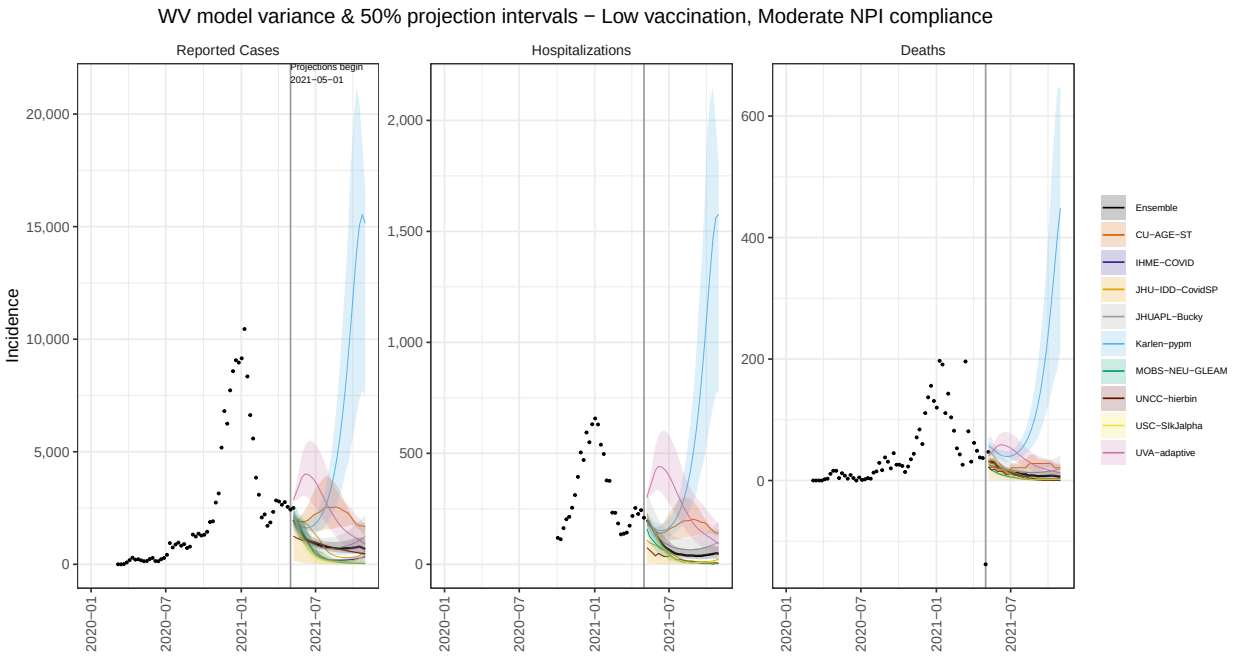

TX model variance & 50% projection intervals − Low vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
150,000
100,000
50,000
0
10,000
5,000
2,000
1,500
1,000
500
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

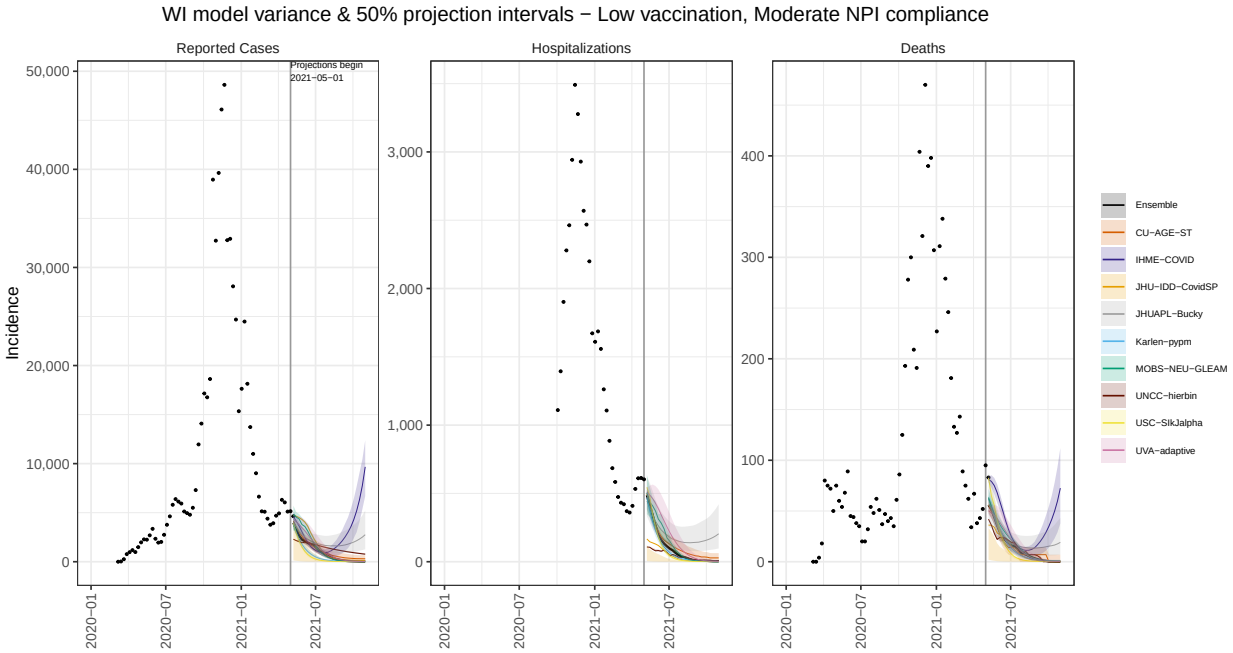

UT model variance & 50% projection intervals − Low vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
20,000
15,000
10,000
5,000
0
600
400
200
0
90
60
30
0
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

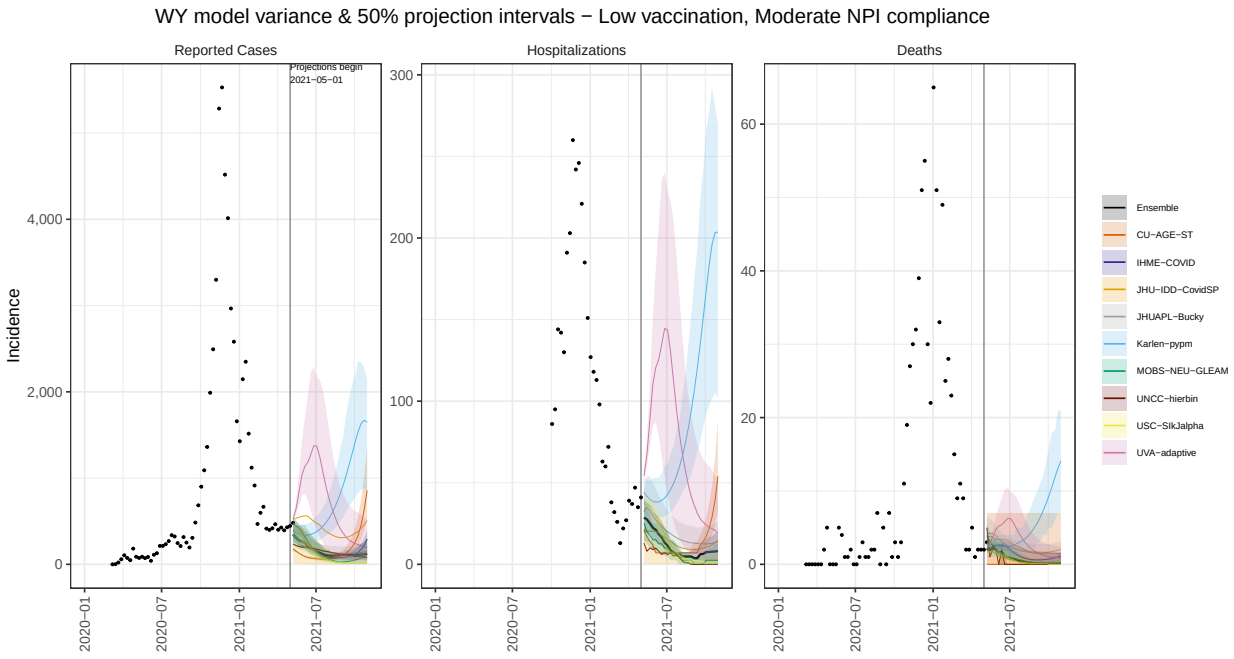

VT model variance & 50% projection intervals − Low vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
1,000
500
0
60
40
20
0
15.0
10.0
5.0
0.0
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

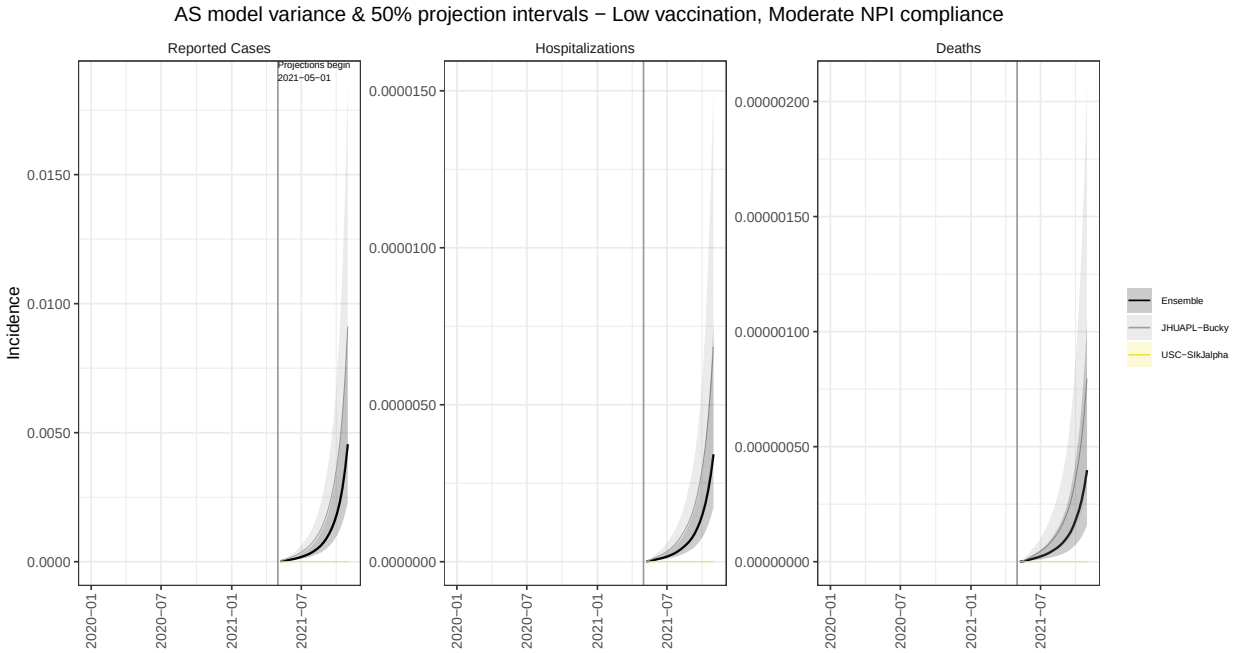

VA model variance & 50% projection intervals − Low vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
40,000
30,000
20,000
10,000
0
2,000
1,500
1,000
500
1,200
900
600
300
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive


WA model variance & 50% projection intervals − Low vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
30,000
20,000
10,000
0
1,500
1,000
500
300
200
100
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

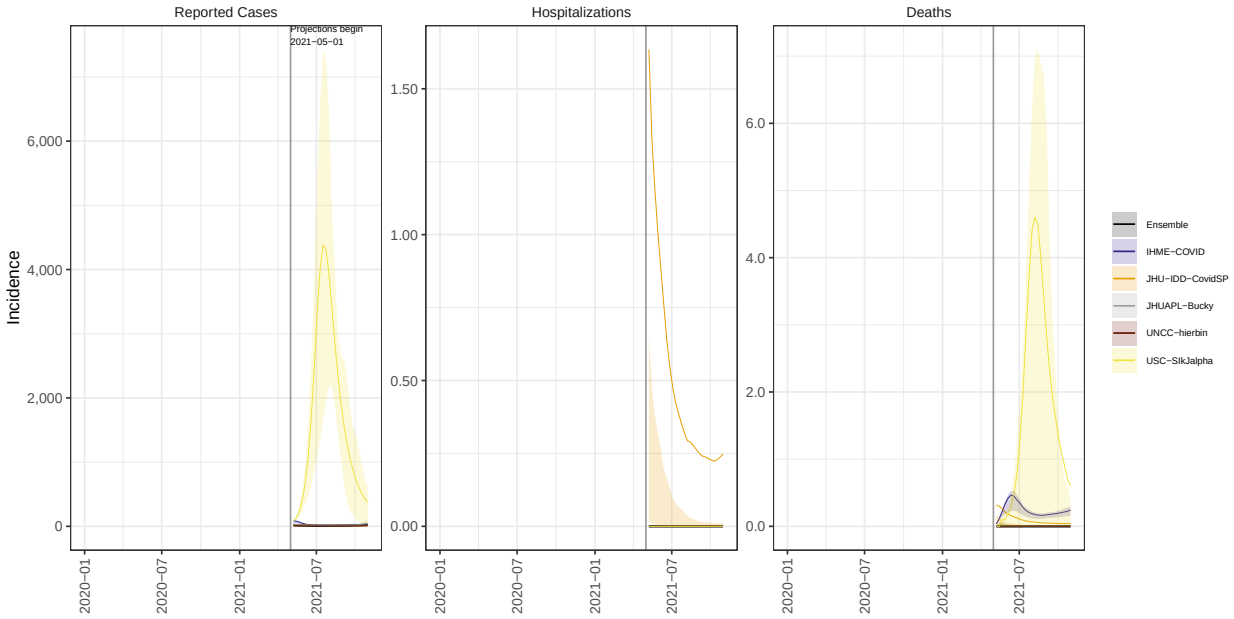

WV model variance & 50% projection intervals − Low vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive


WI model variance & 50% projection intervals − Low vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

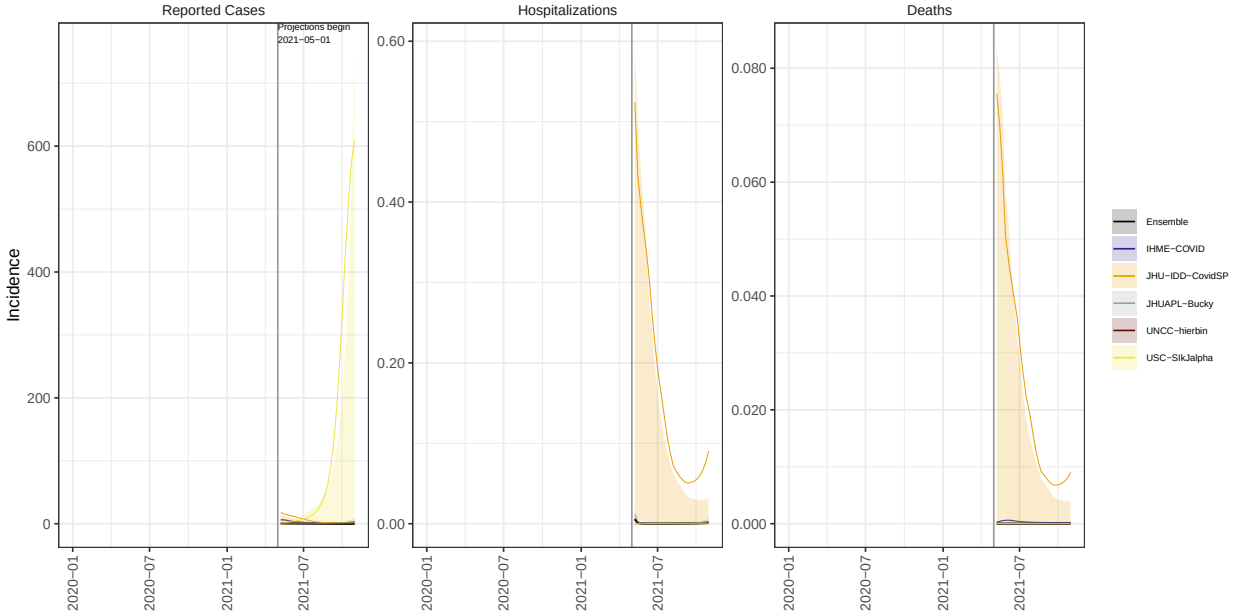

WY model variance & 50% projection intervals − Low vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

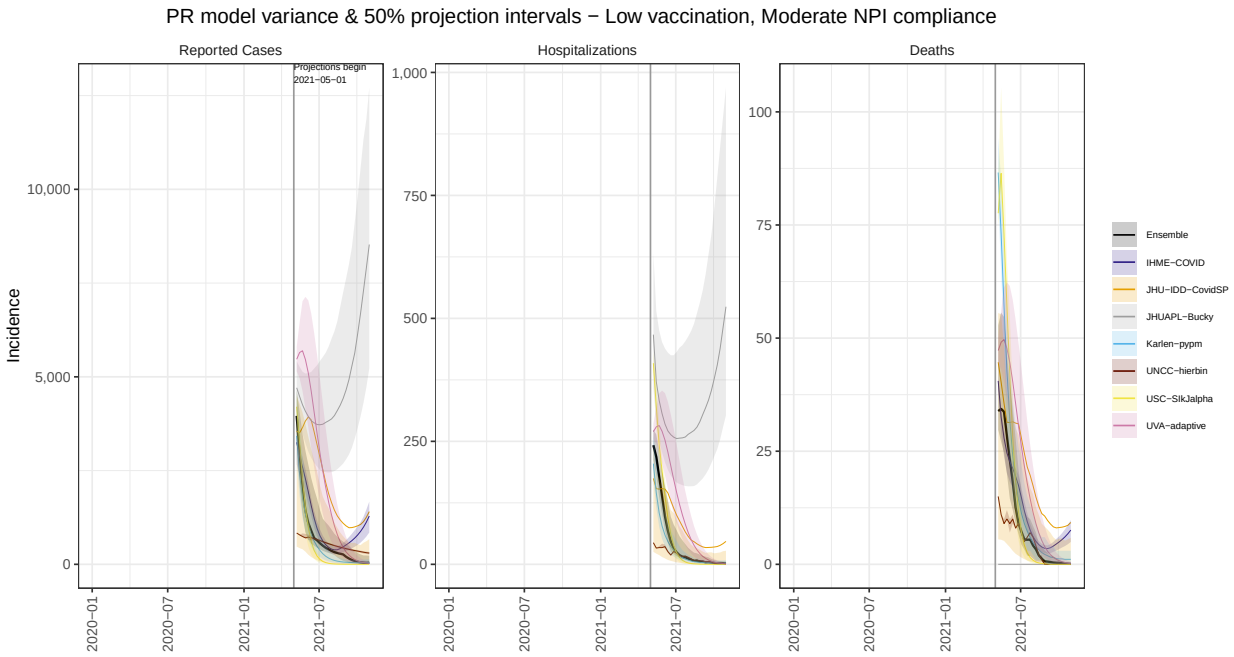

AS model variance & 50% projection intervals − Low vaccination, Moderate NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
JHUAPL−Bucky
USC−SIkJalpha

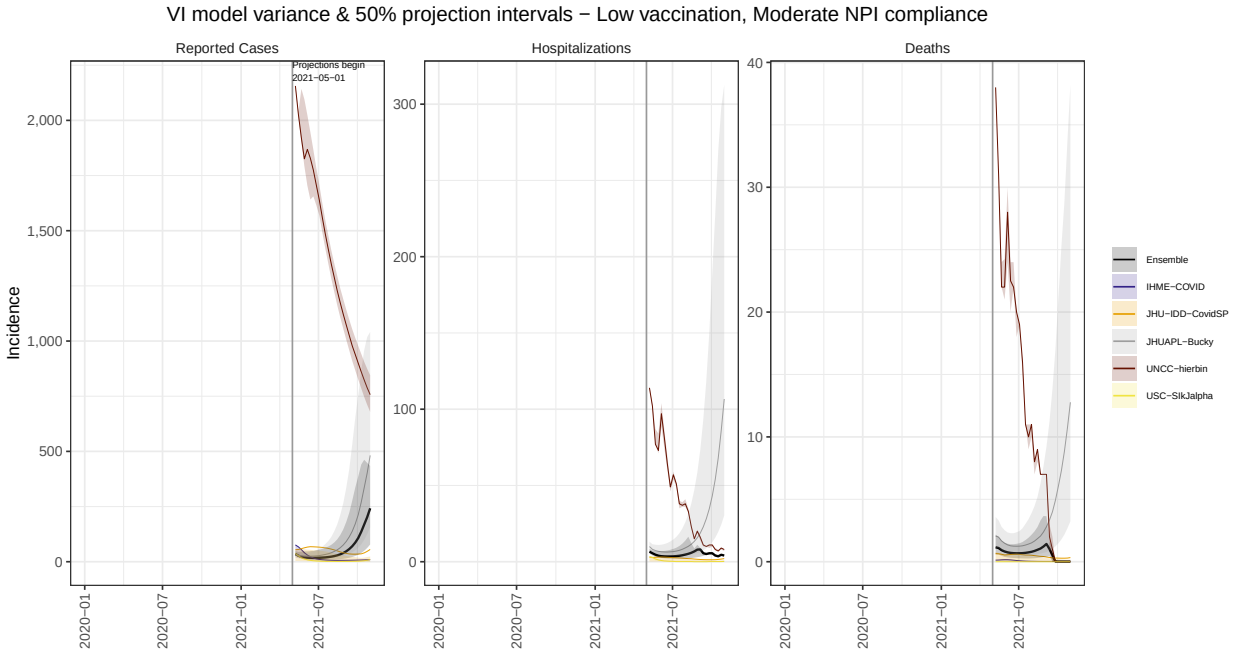
GU model variance & 50% projection intervals − Low vaccination, Moderate NPI compliance



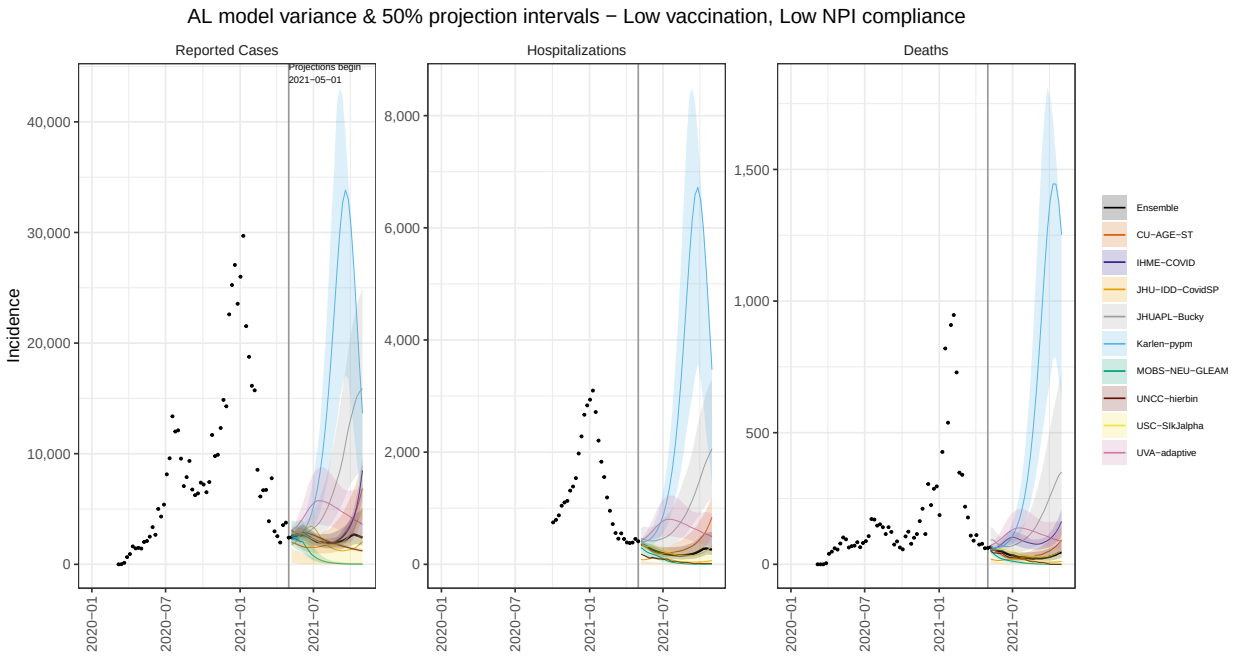
MP model variance & 50% projection intervals − Low vaccination, Moderate NPI compliance

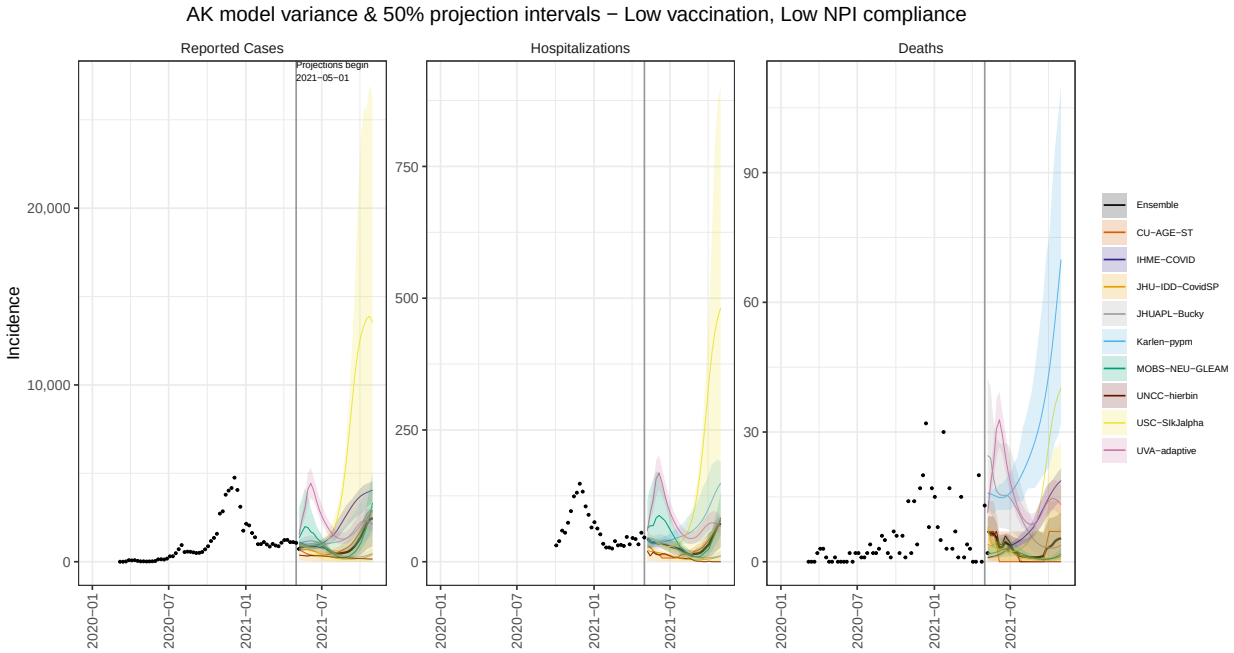


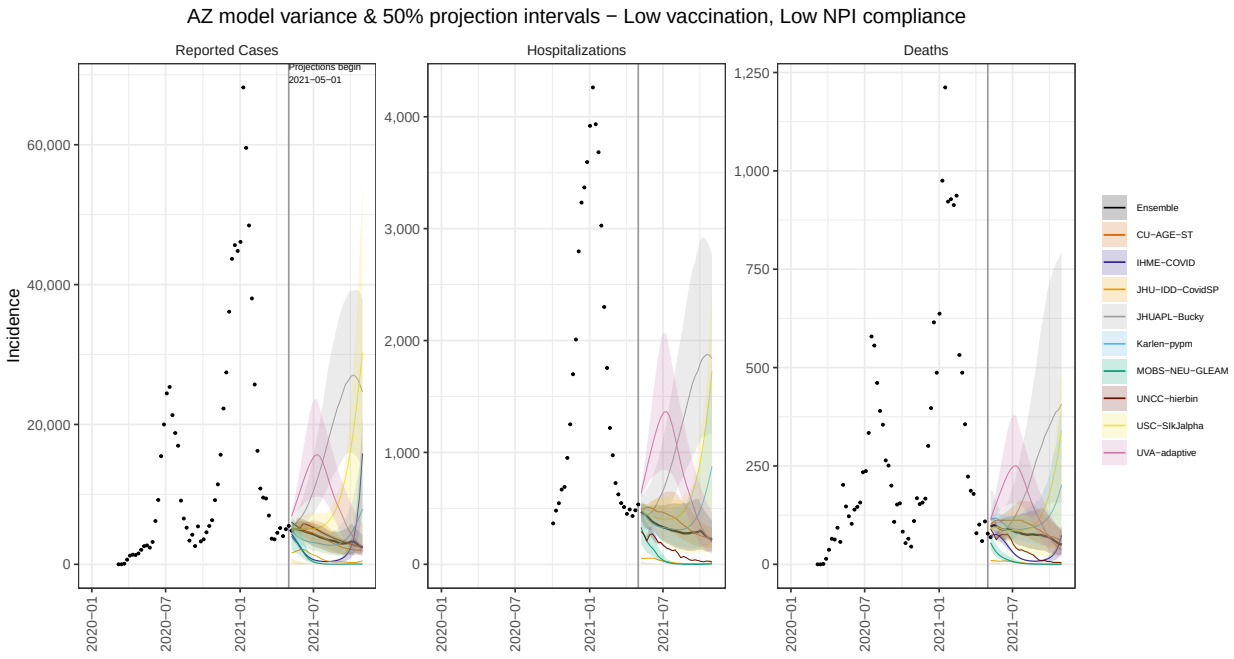


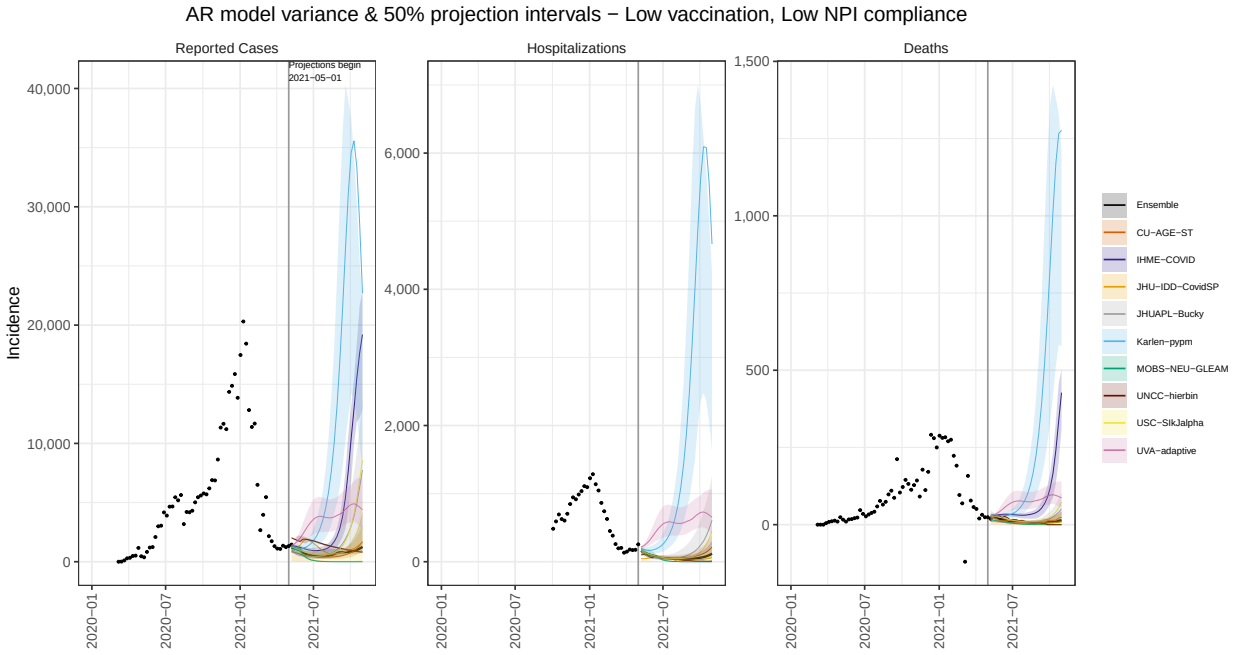


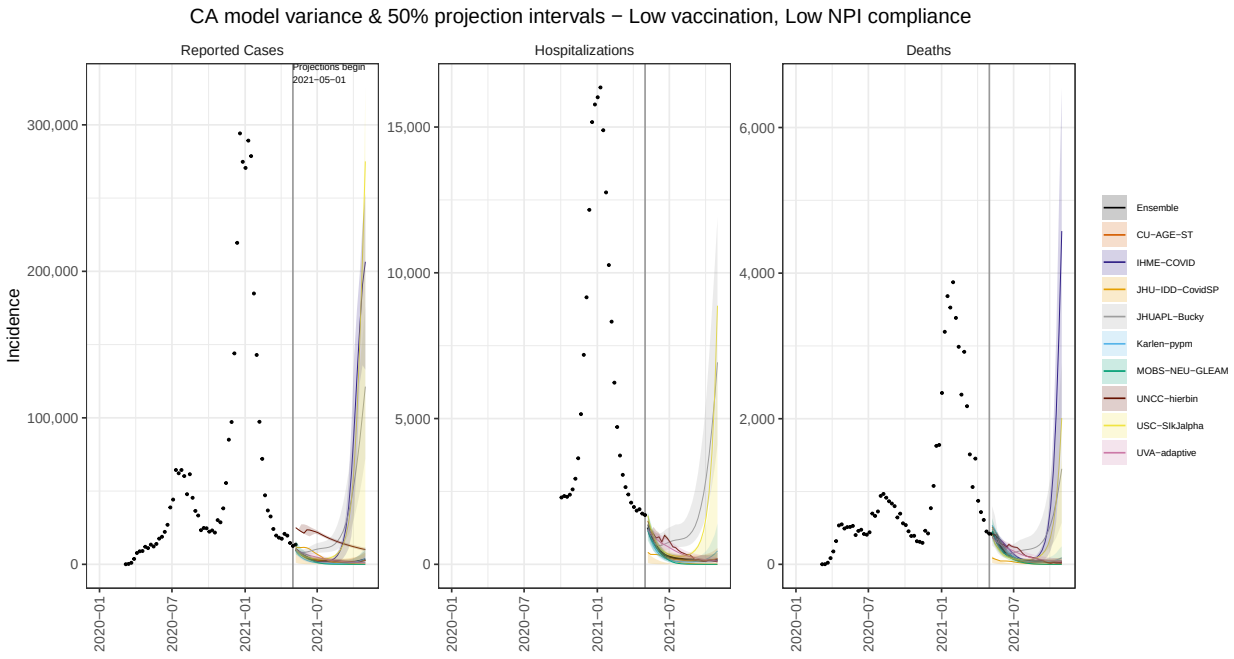
National model variation for the low vaccination, low NPI scenario

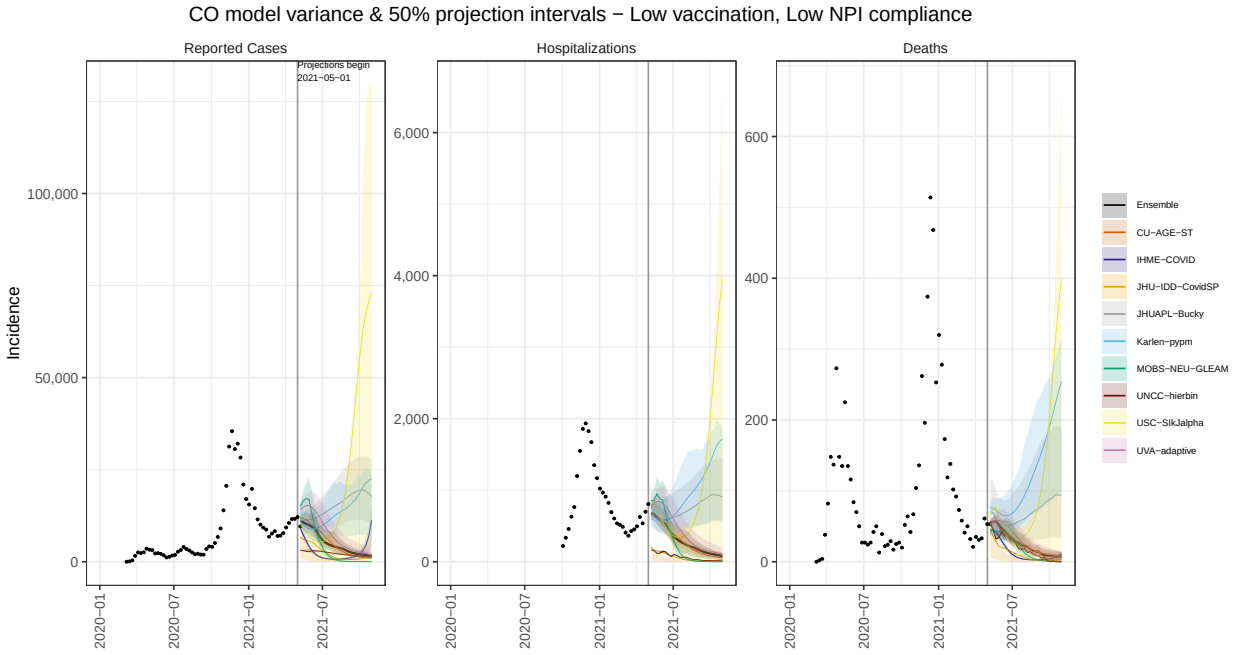

AL model variance & 50% projection intervals − Low vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
40,000
30,000
20,000
10,000
0
8,000
6,000
4,000
2,000
1,500
1,000
500
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

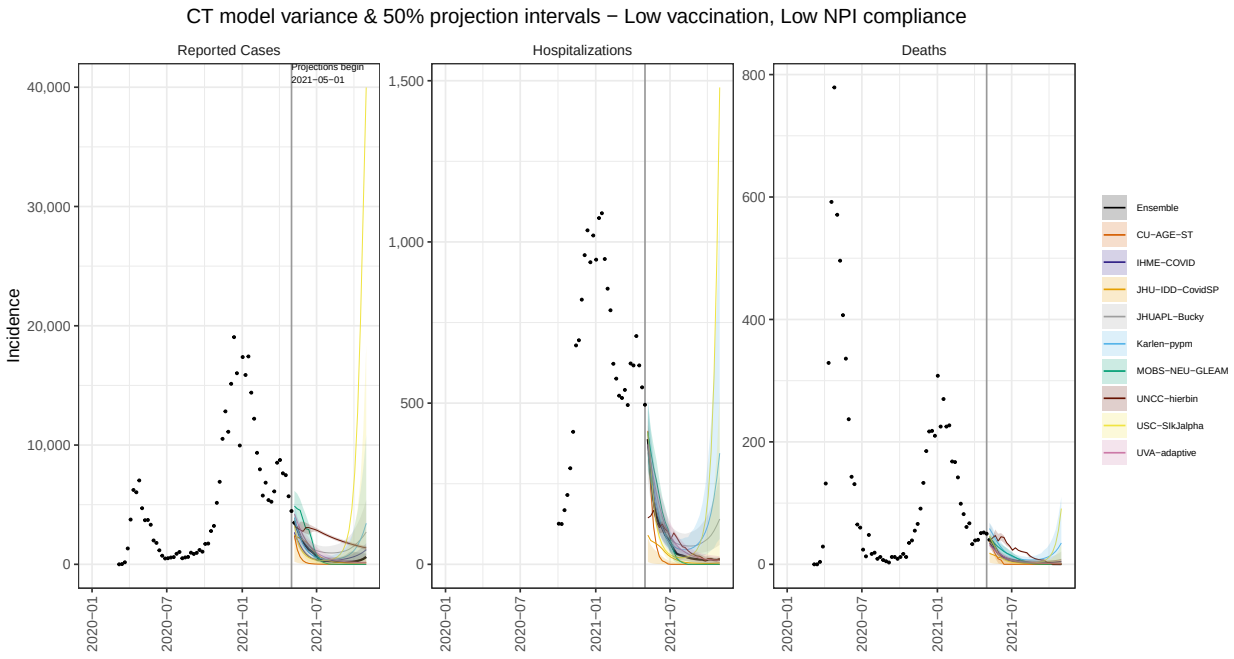

AK model variance & 50% projection intervals − Low vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
20,000
10,000
0
750
500
250
90
60
30
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

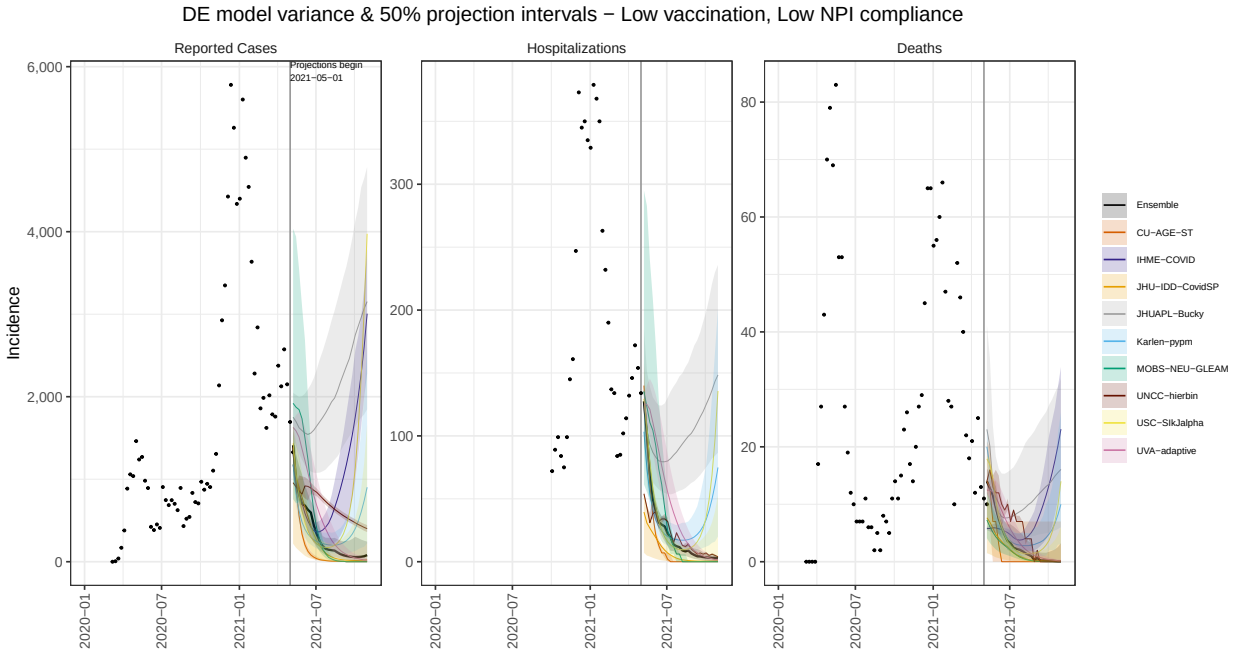

AZ model variance & 50% projection intervals − Low vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

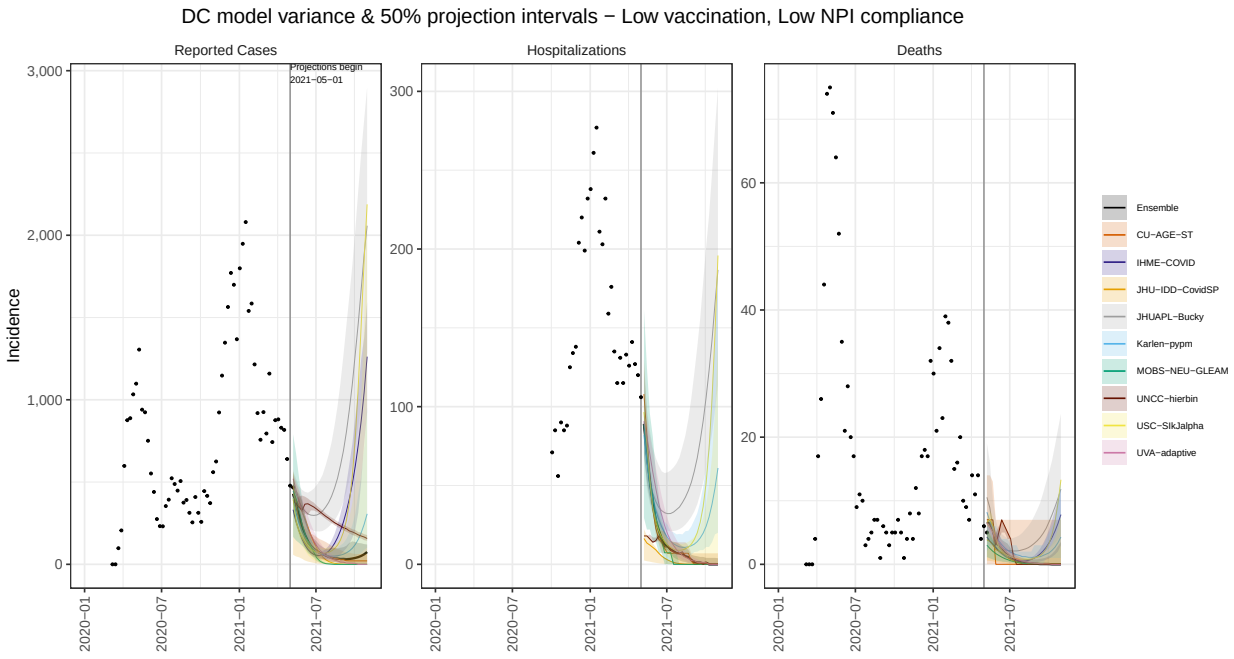

AR model variance & 50% projection intervals − Low vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

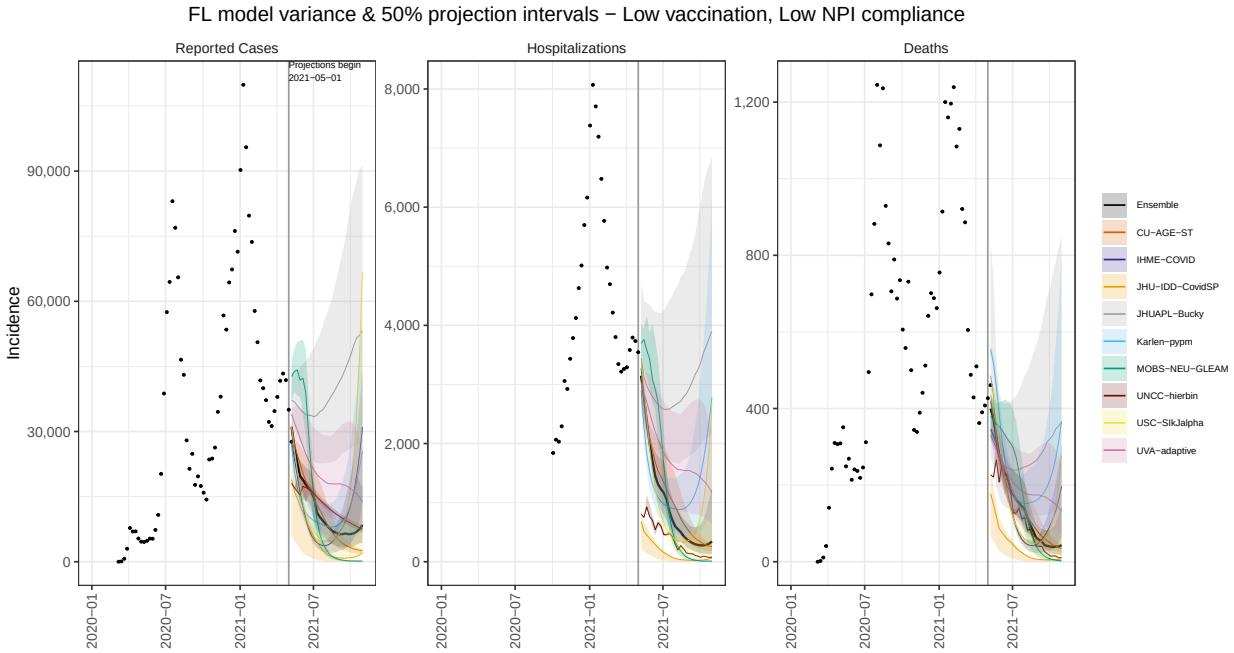

CA model variance & 50% projection intervals − Low vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
300,000
200,000
100,000
0
15,000
10,000
5,000
6,000
4,000
2,000
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

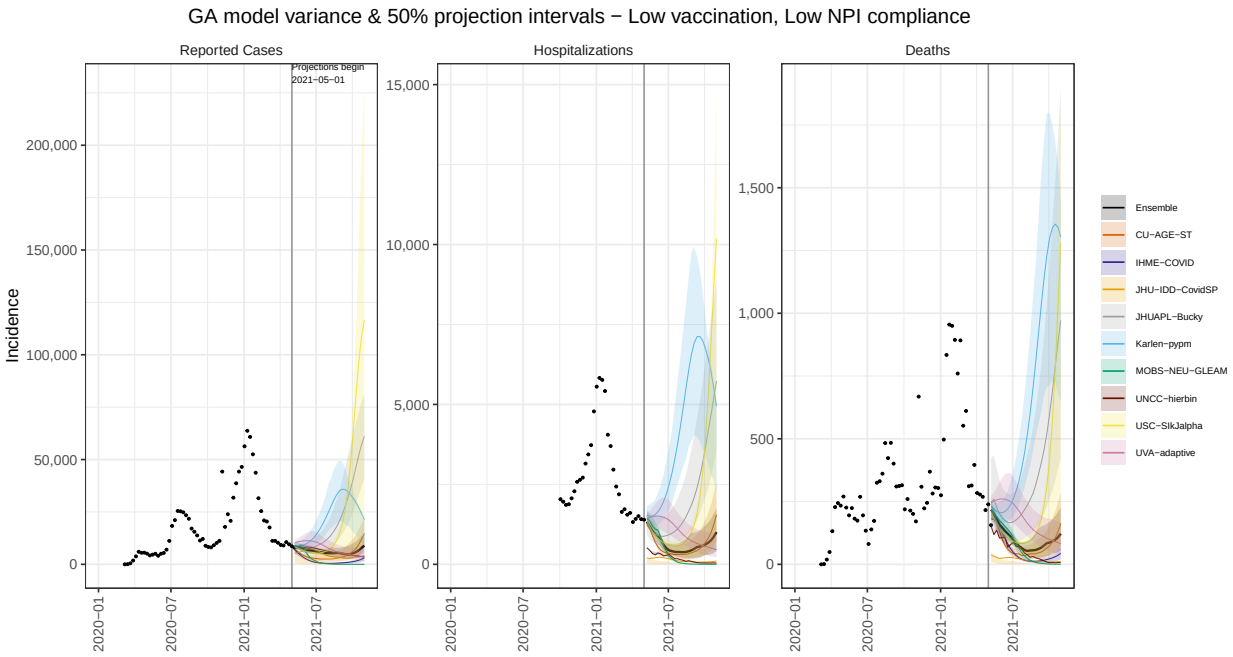

CO model variance & 50% projection intervals − Low vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
100,000
50,000
0
6,000
4,000
2,000
600
400
200
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

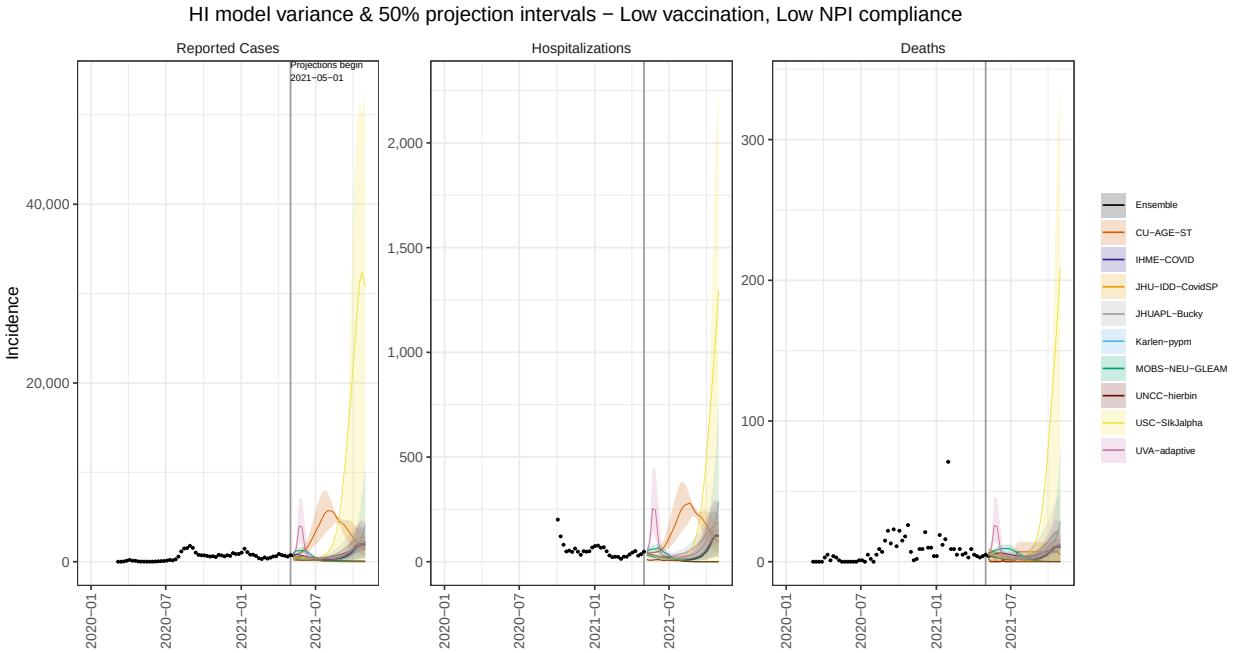

CT model variance & 50% projection intervals − Low vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

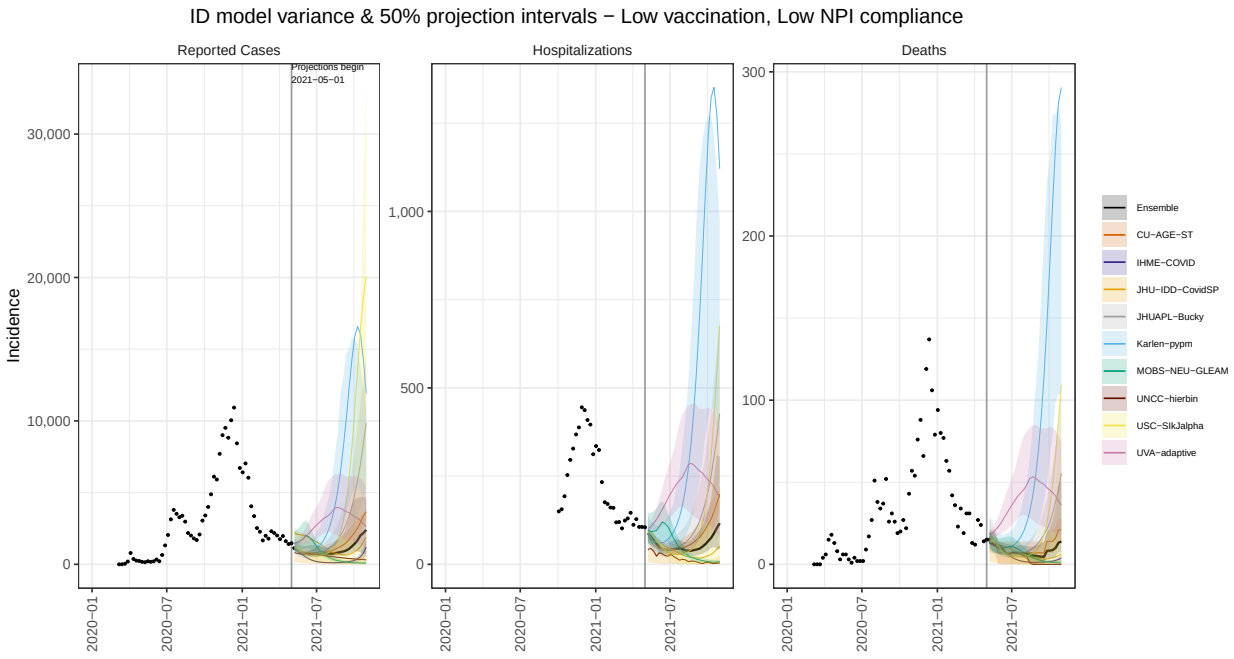

DE model variance & 50% projection intervals − Low vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

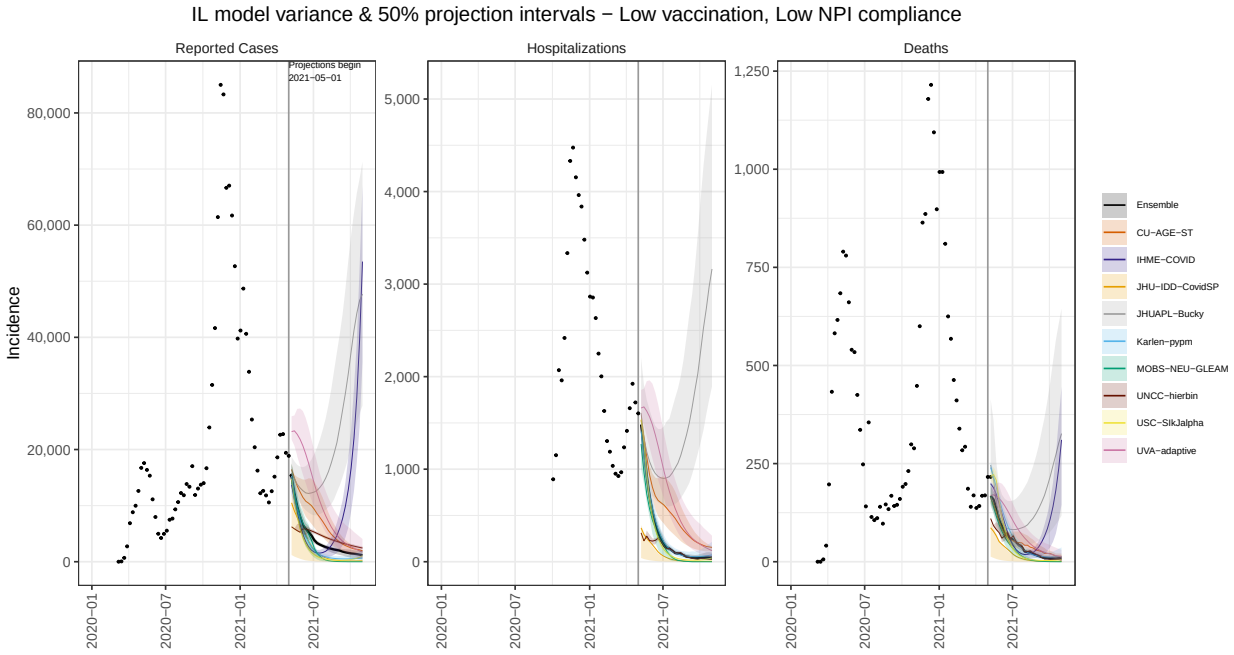

DC model variance & 50% projection intervals − Low vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
3,000
2,000
1,000
0
300
200
100
60
40
20
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

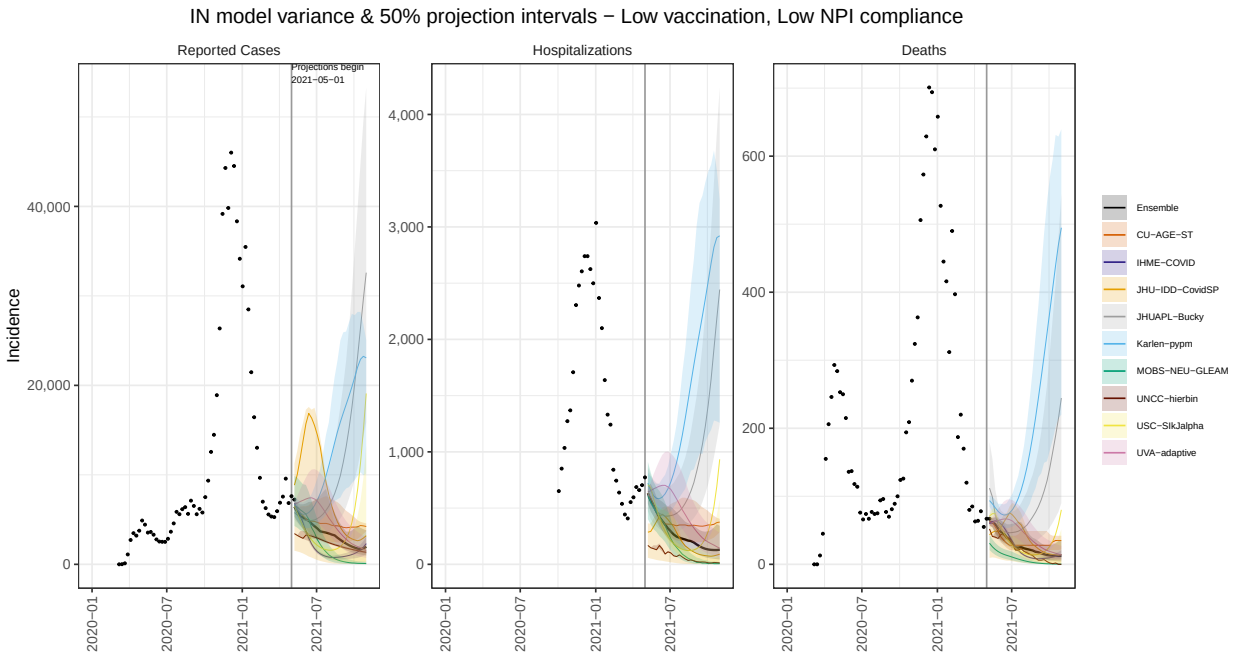

FL model variance & 50% projection intervals − Low vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
90,000
60,000
30,000
0
8,000
6,000
4,000
2,000
1,200
800
400
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

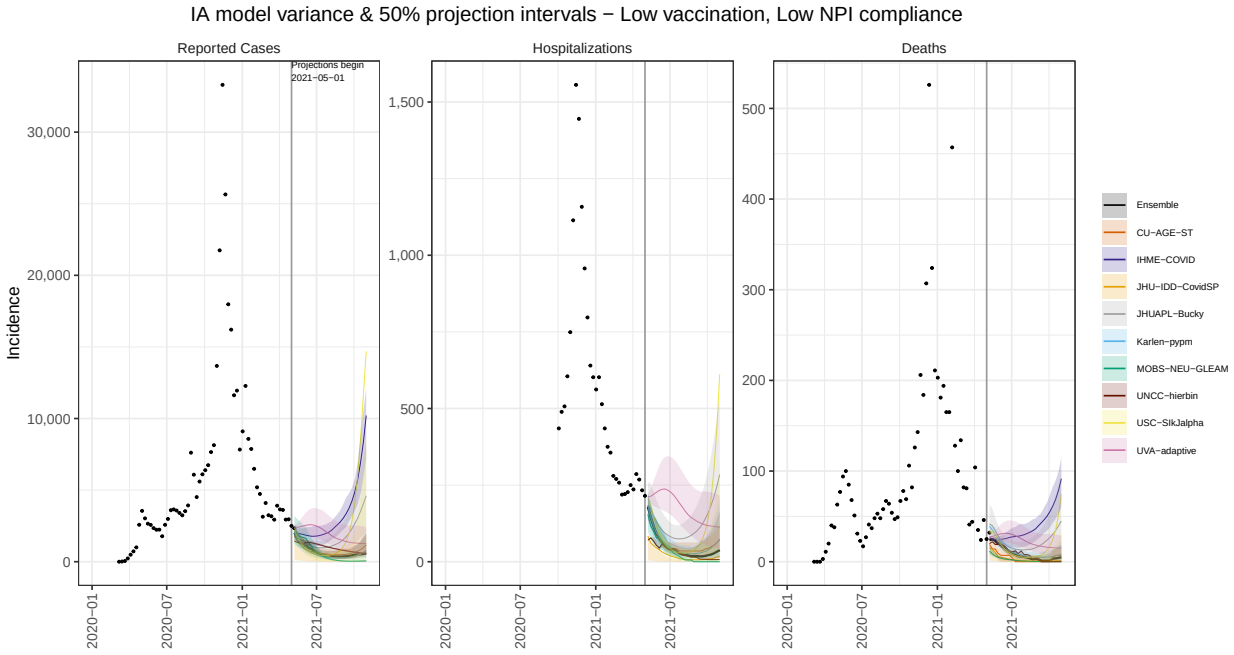

GA model variance & 50% projection intervals − Low vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
200,000
150,000
100,000
50,000
0
15,000
10,000
5,000
1,500
1,000
500
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

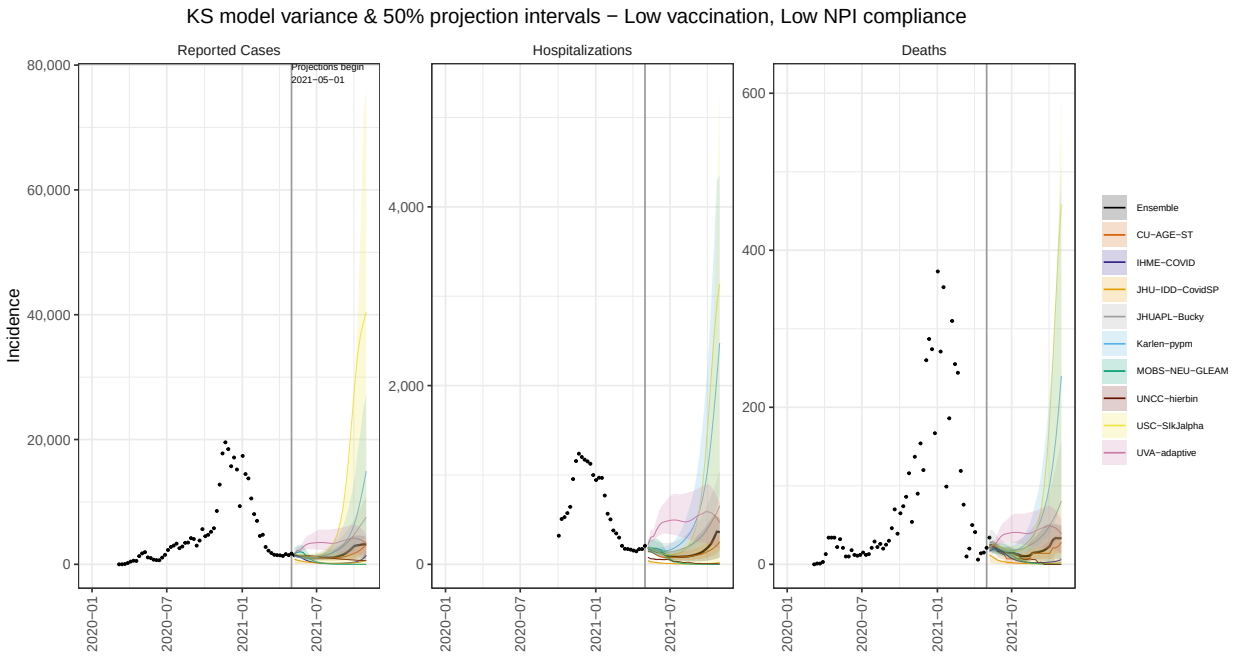

HI model variance & 50% projection intervals − Low vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
40,000
20,000
0
2,000
1,500
1,000
500
300
200
100
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

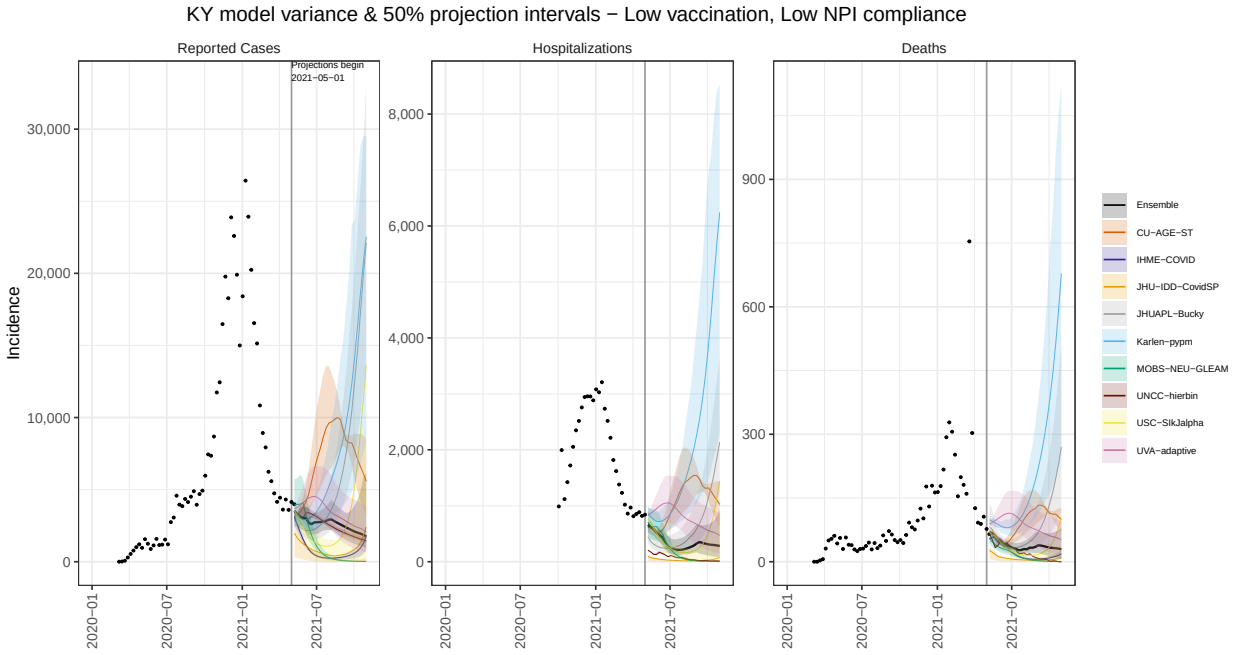

ID model variance & 50% projection intervals − Low vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

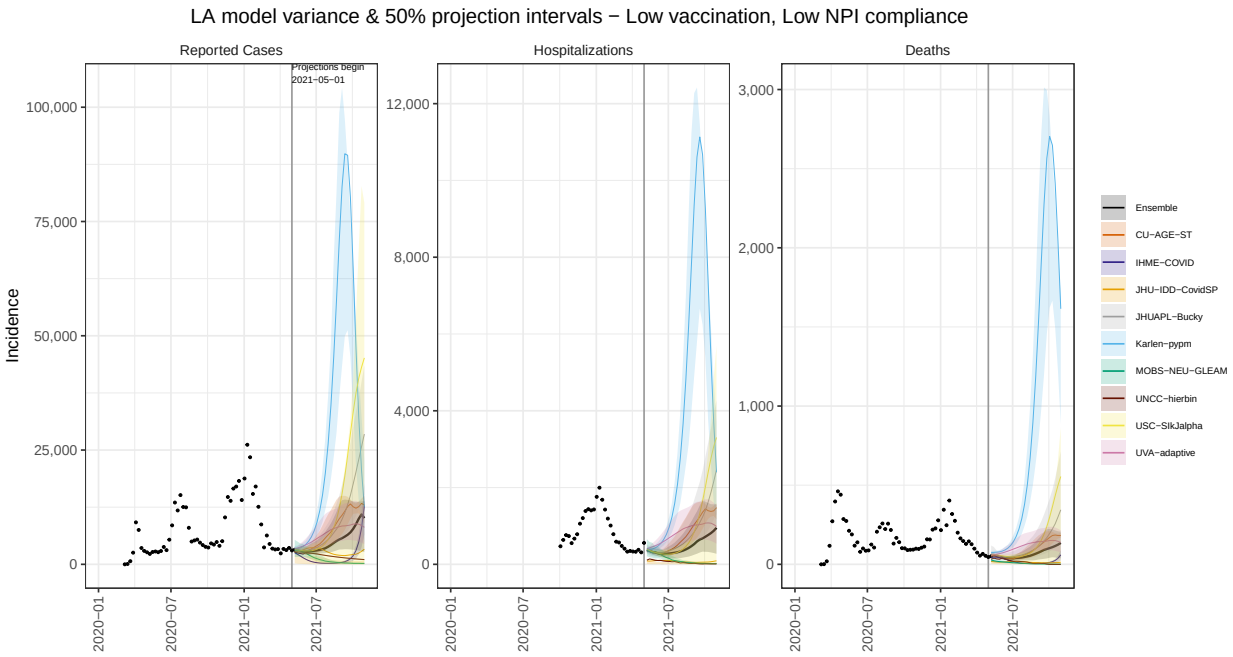

IL model variance & 50% projection intervals − Low vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

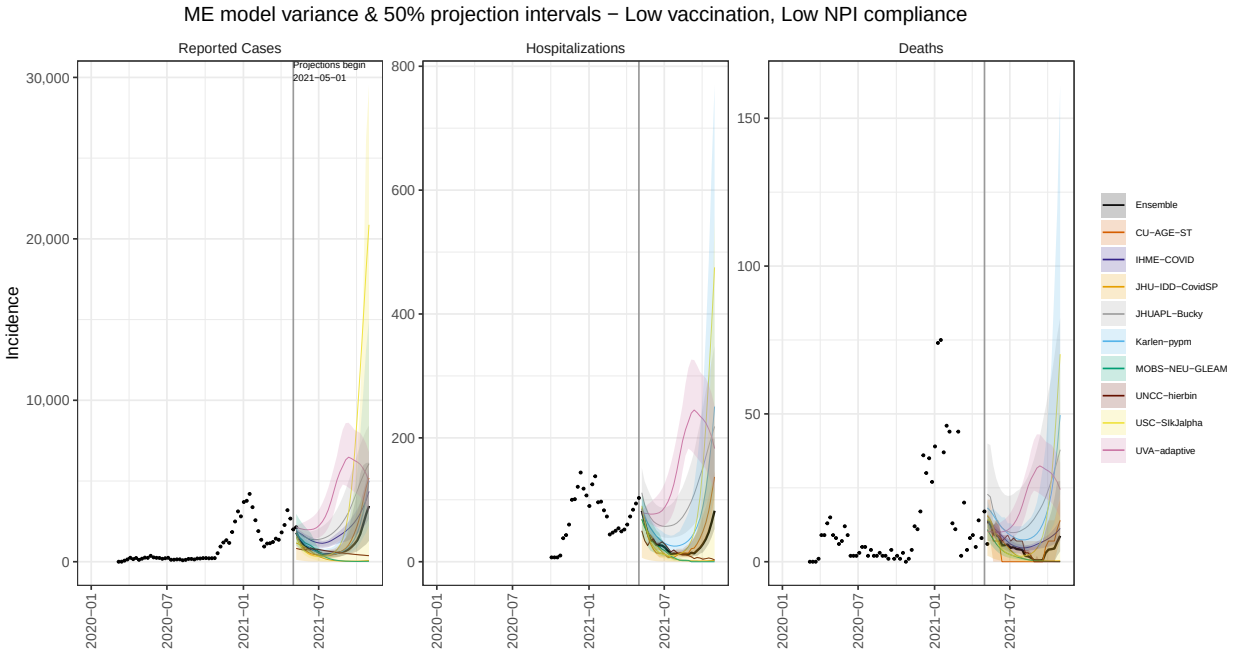

IN model variance & 50% projection intervals − Low vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

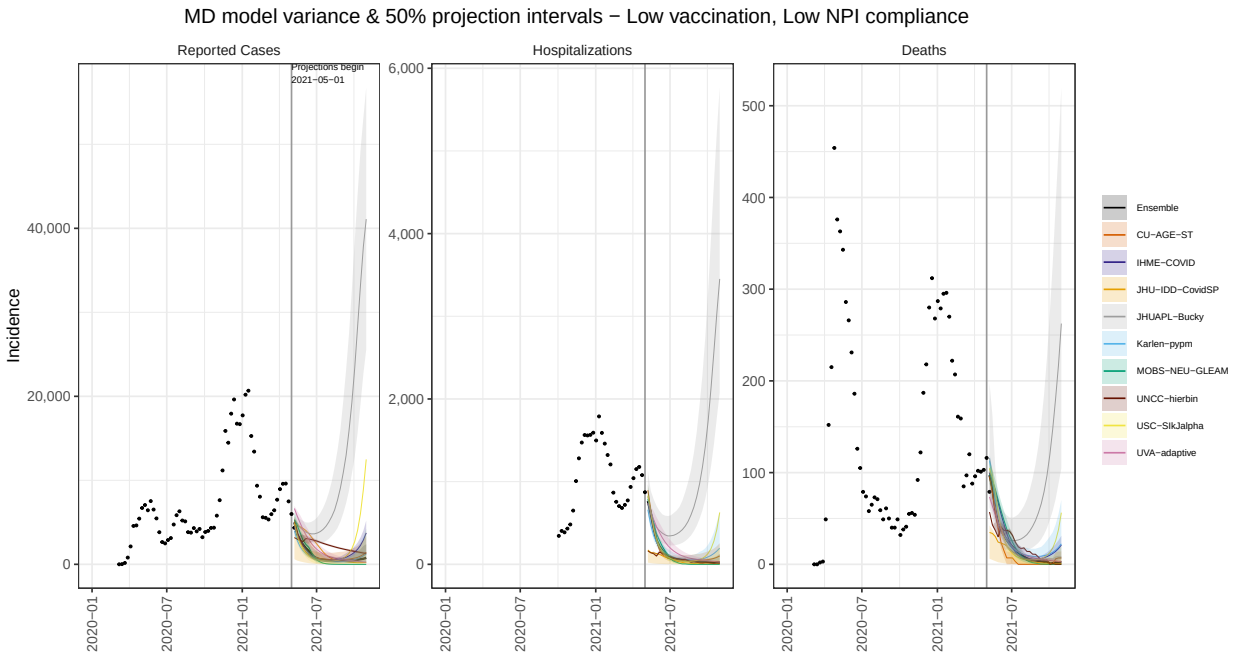

IA model variance & 50% projection intervals − Low vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

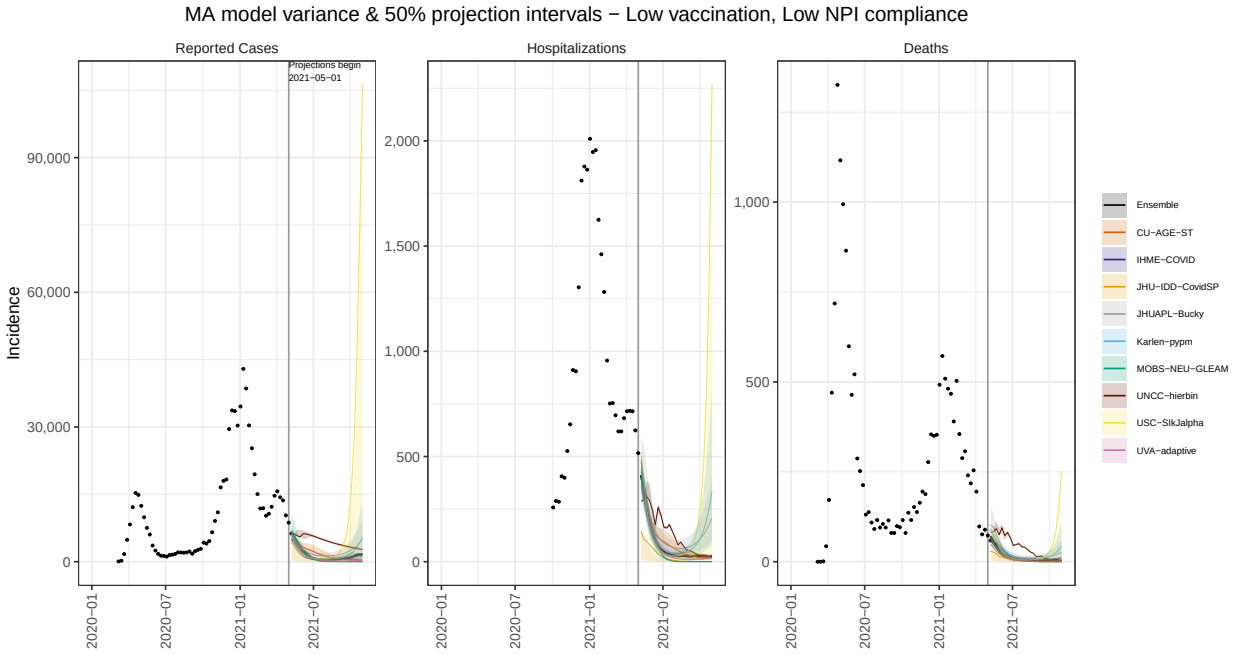

KS model variance & 50% projection intervals − Low vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
80,000
60,000
40,000
20,000
0
4,000
2,000
600
400
200
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

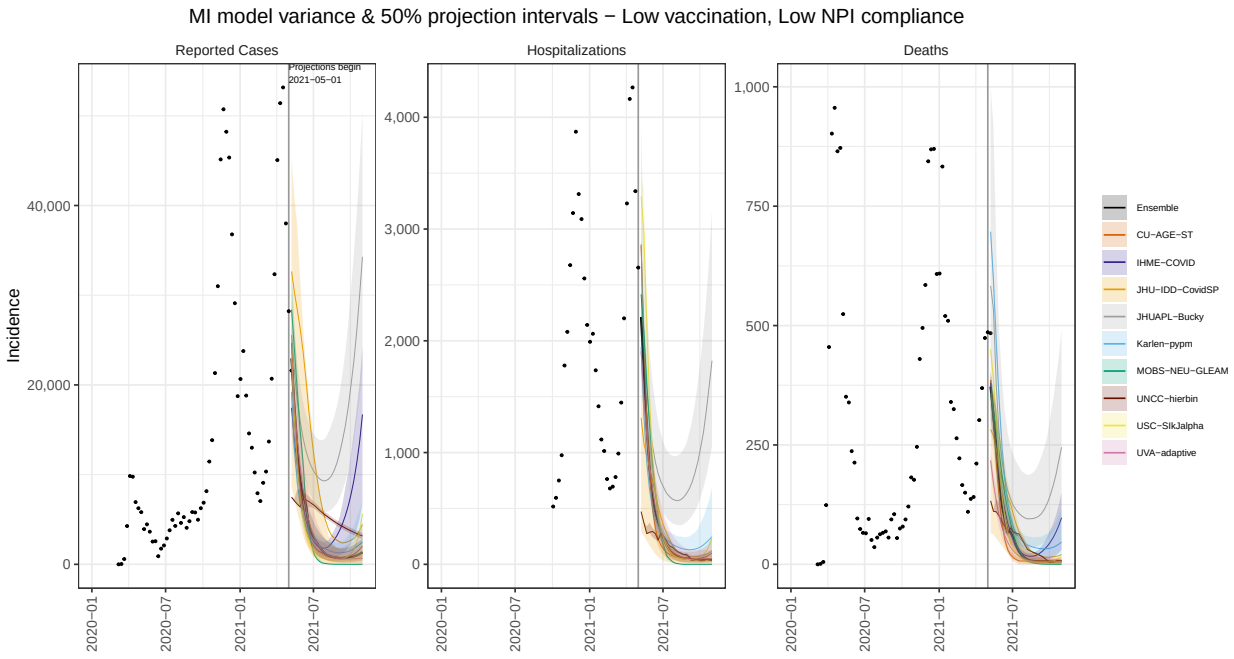

KY model variance & 50% projection intervals − Low vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
30,000
20,000
10,000
0
8,000
6,000
4,000
2,000
900
600
300
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

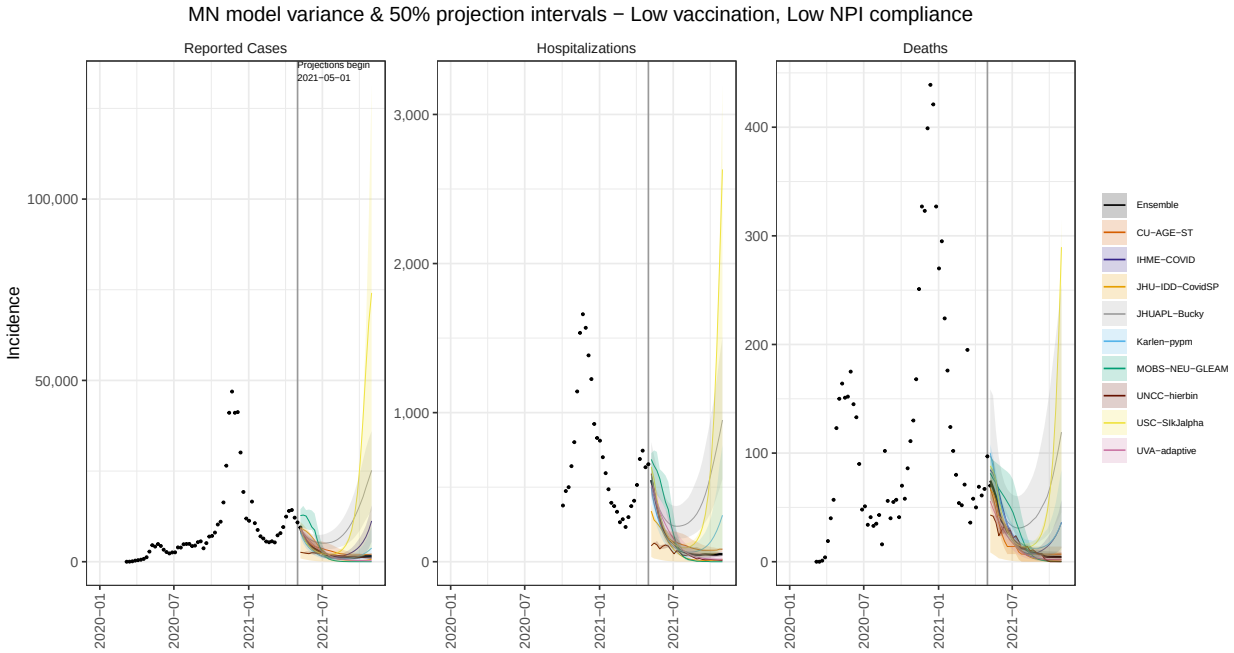

LA model variance & 50% projection intervals − Low vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
100,000
75,000
50,000
25,000
0
12,000
8,000
4,000
3,000
2,000
1,000
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

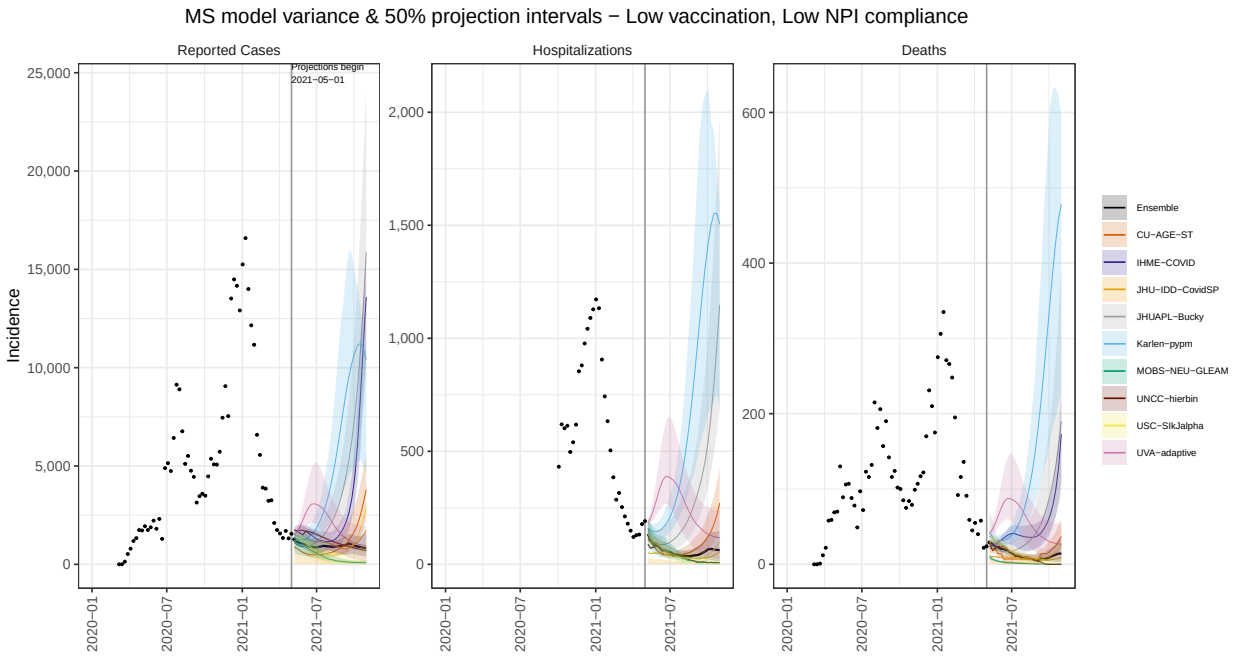

ME model variance & 50% projection intervals − Low vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
30,000
20,000
10,000
0
800
600
400
200
150
100
50
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

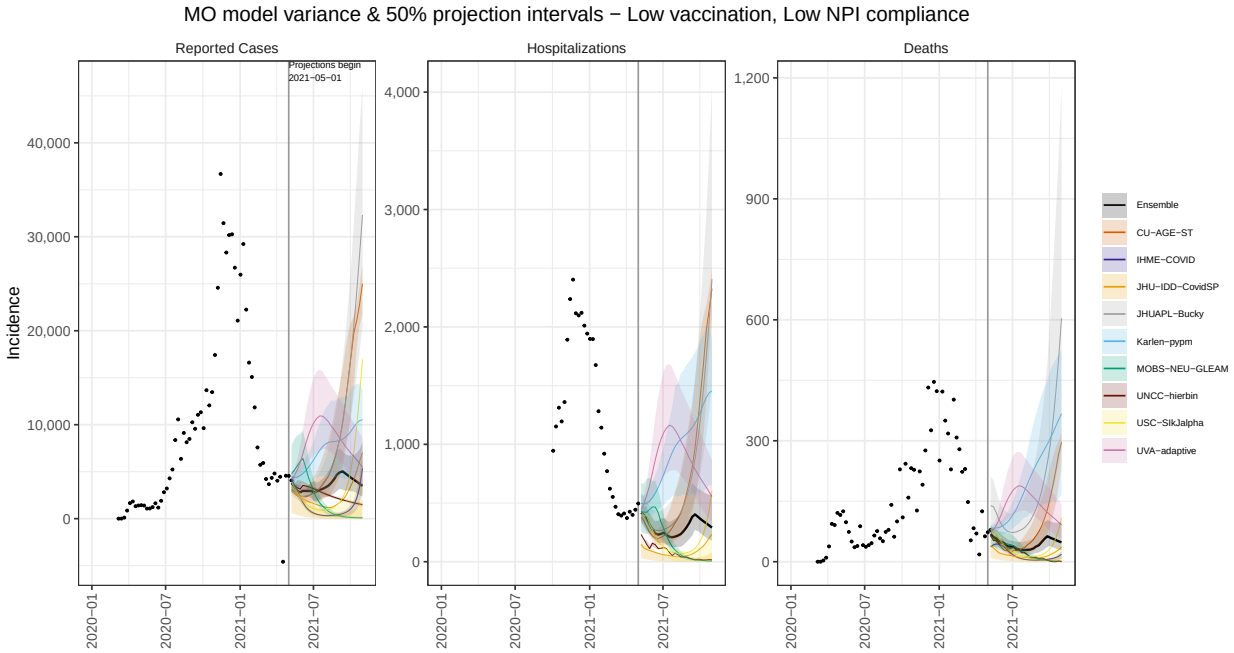

MD model variance & 50% projection intervals − Low vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
40,000
20,000
0
6,000
4,000
2,000
500
400
300
200
100
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

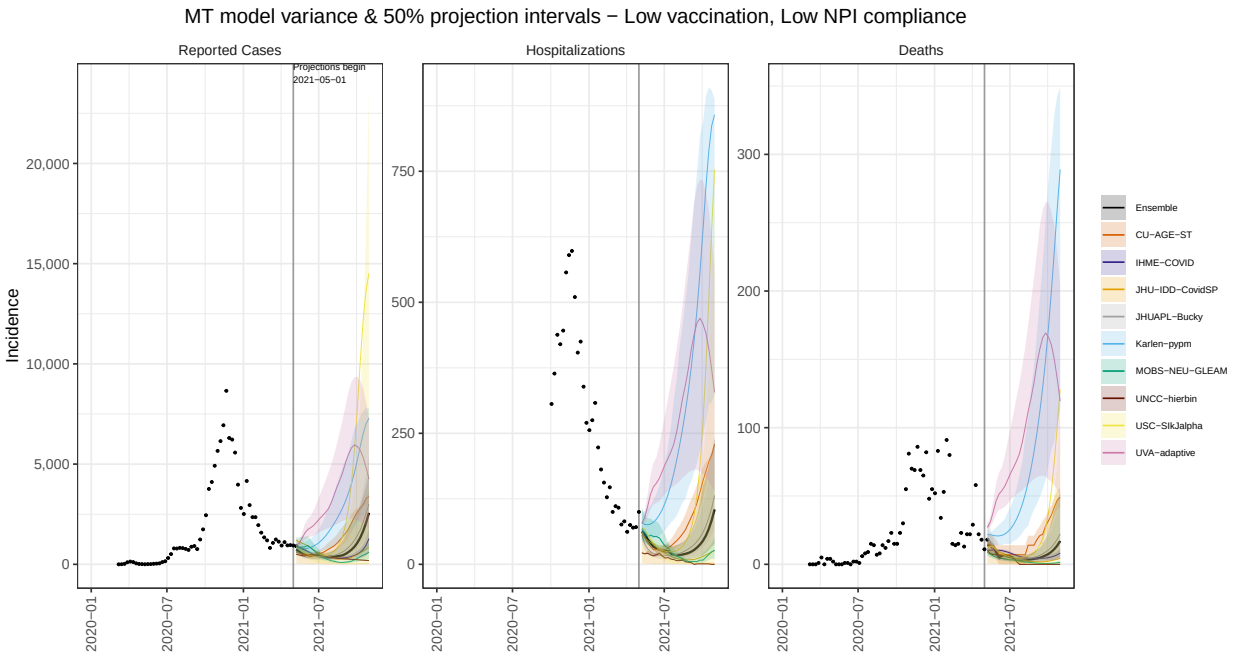

MA model variance & 50% projection intervals − Low vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
90,000
60,000
30,000
0
2,000
1,500
1,000
500
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

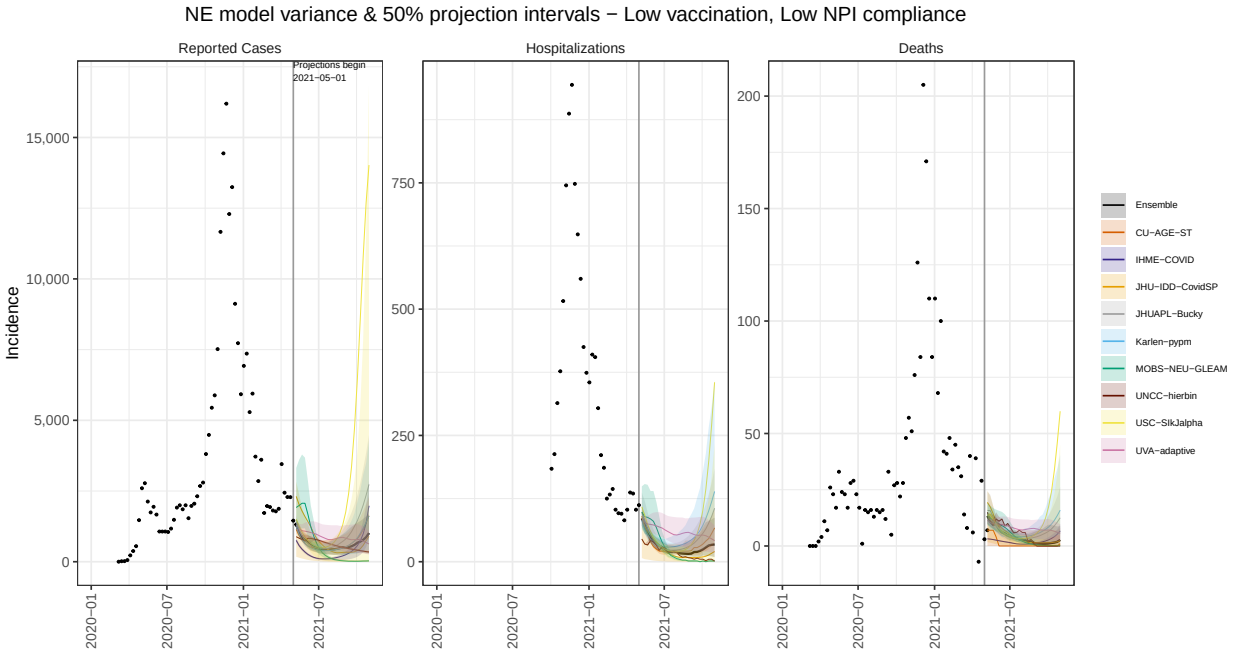

MI model variance & 50% projection intervals − Low vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

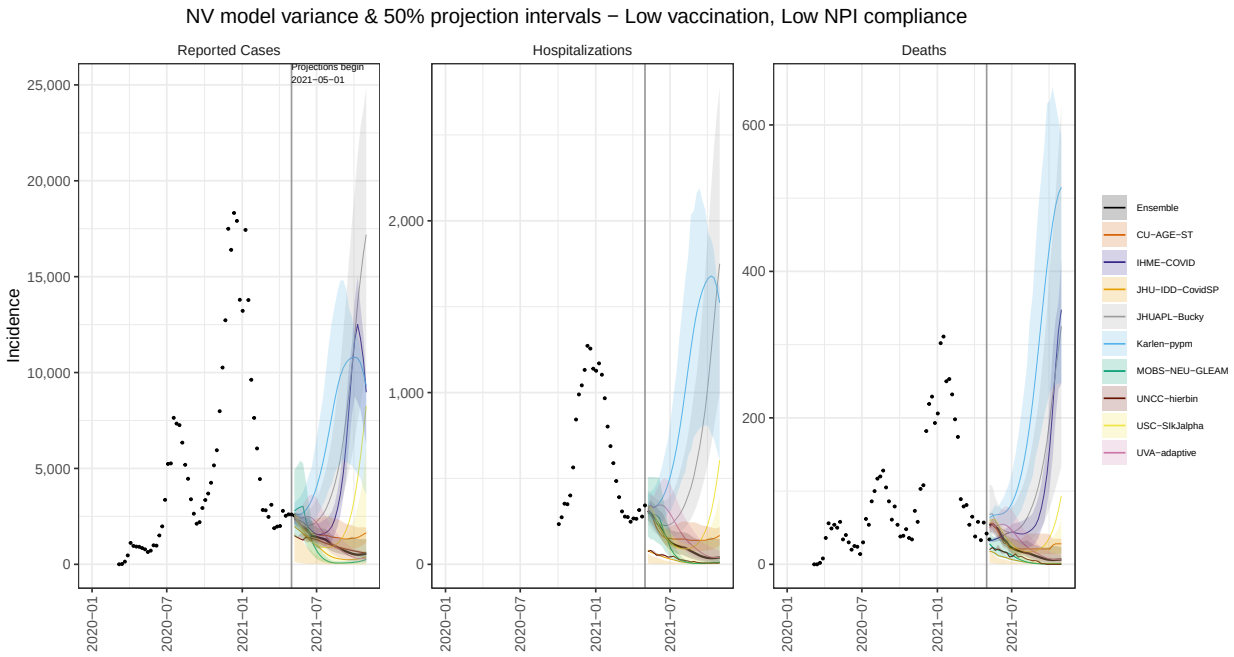

MN model variance & 50% projection intervals − Low vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

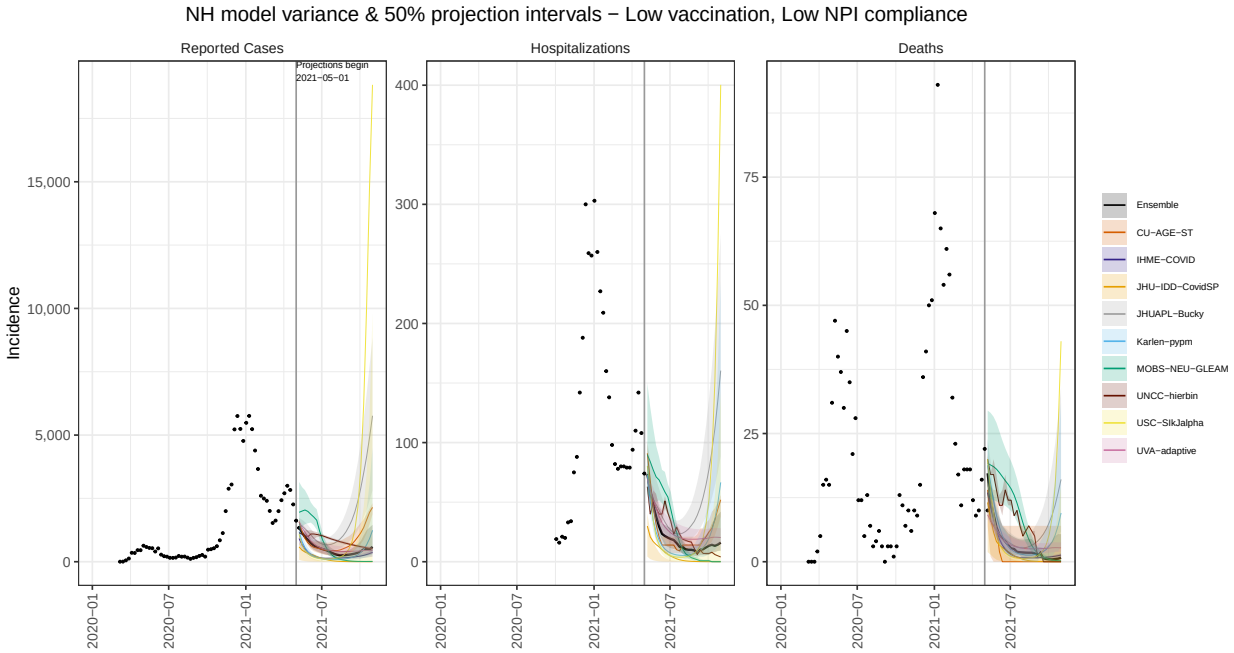

MS model variance & 50% projection intervals − Low vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

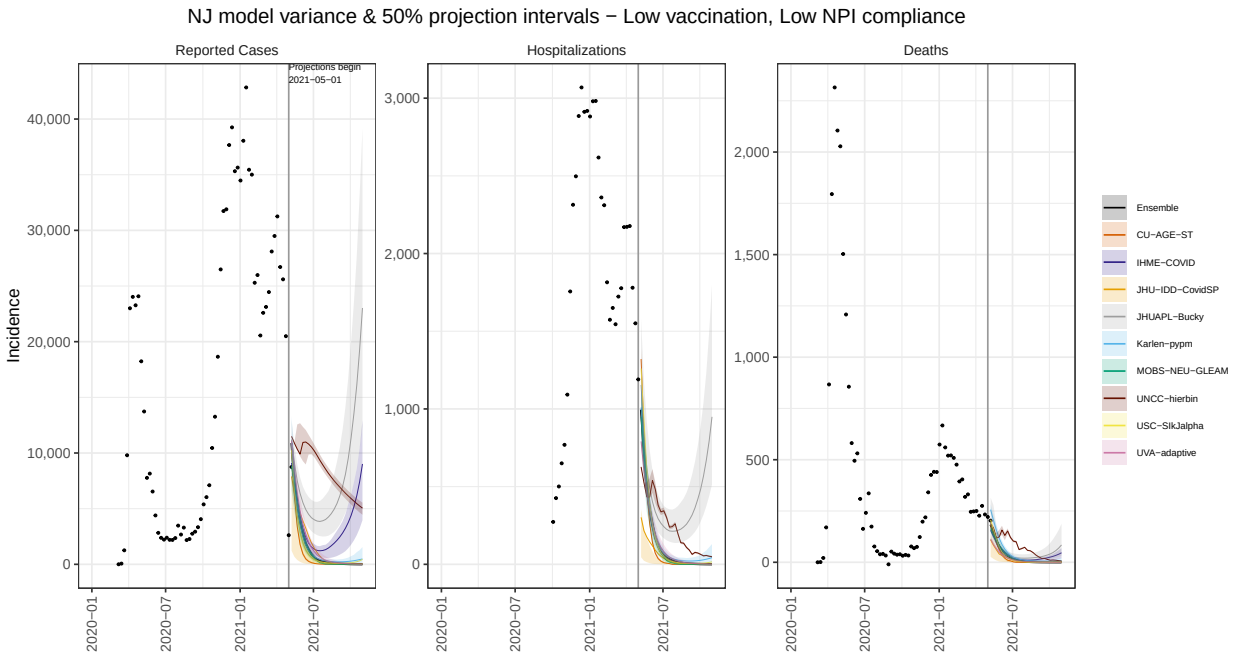

MO model variance & 50% projection intervals − Low vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

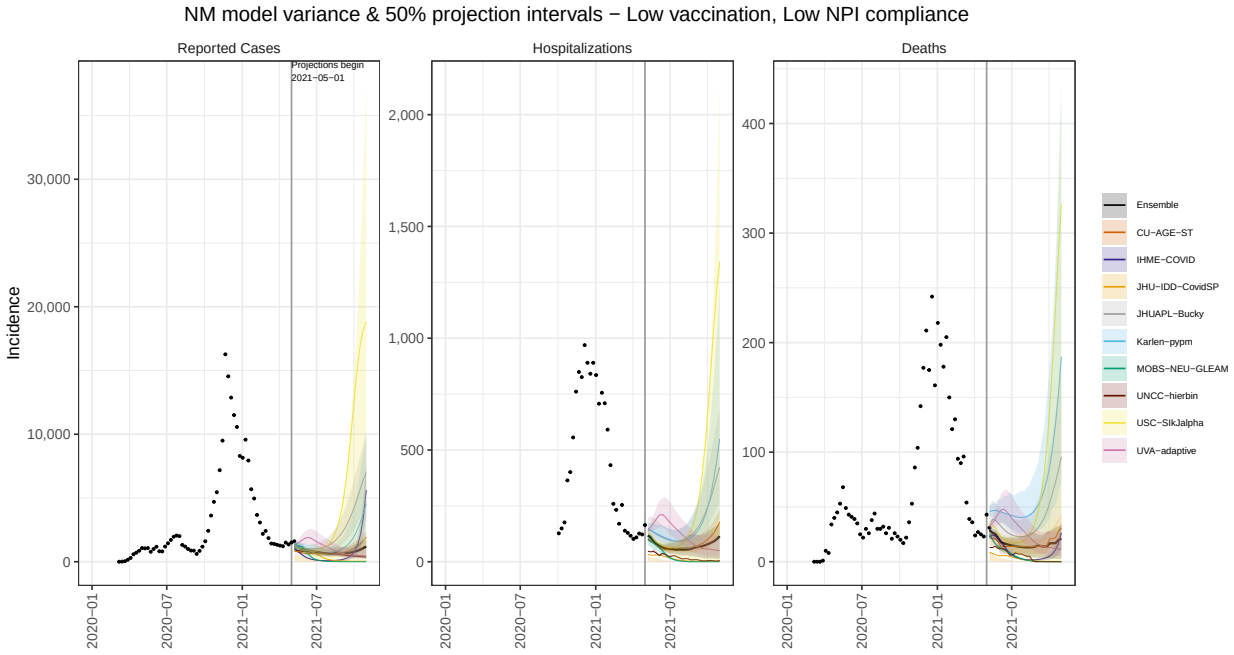

MT model variance & 50% projection intervals − Low vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

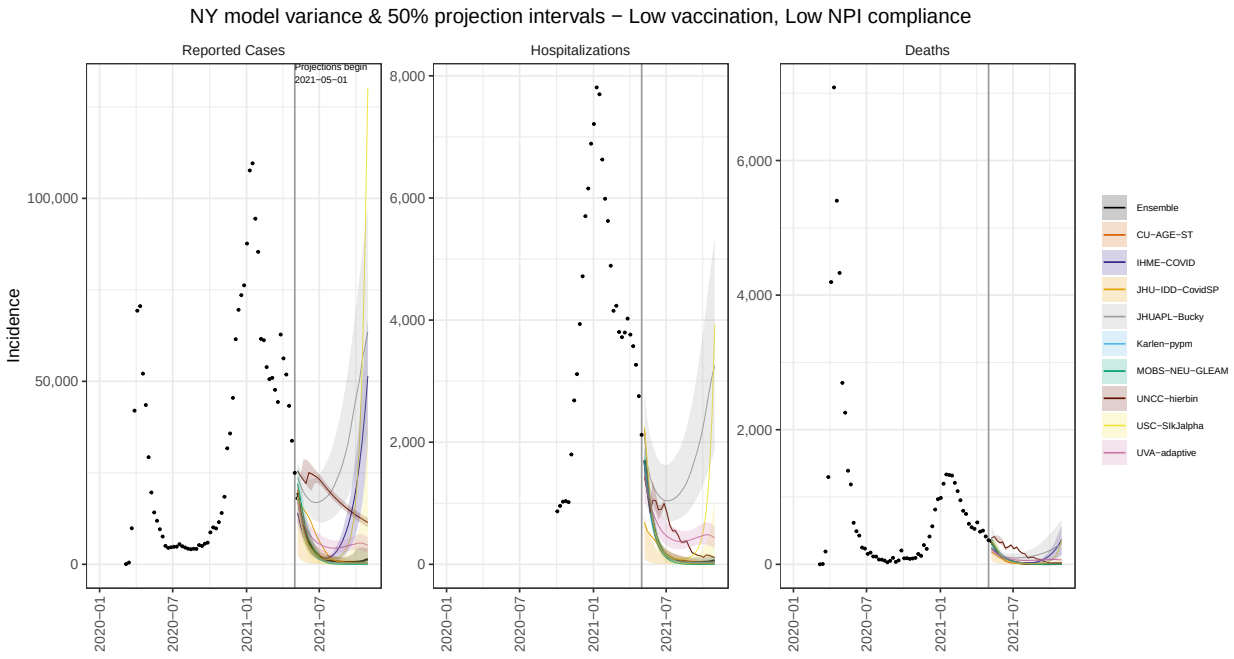

NE model variance & 50% projection intervals − Low vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

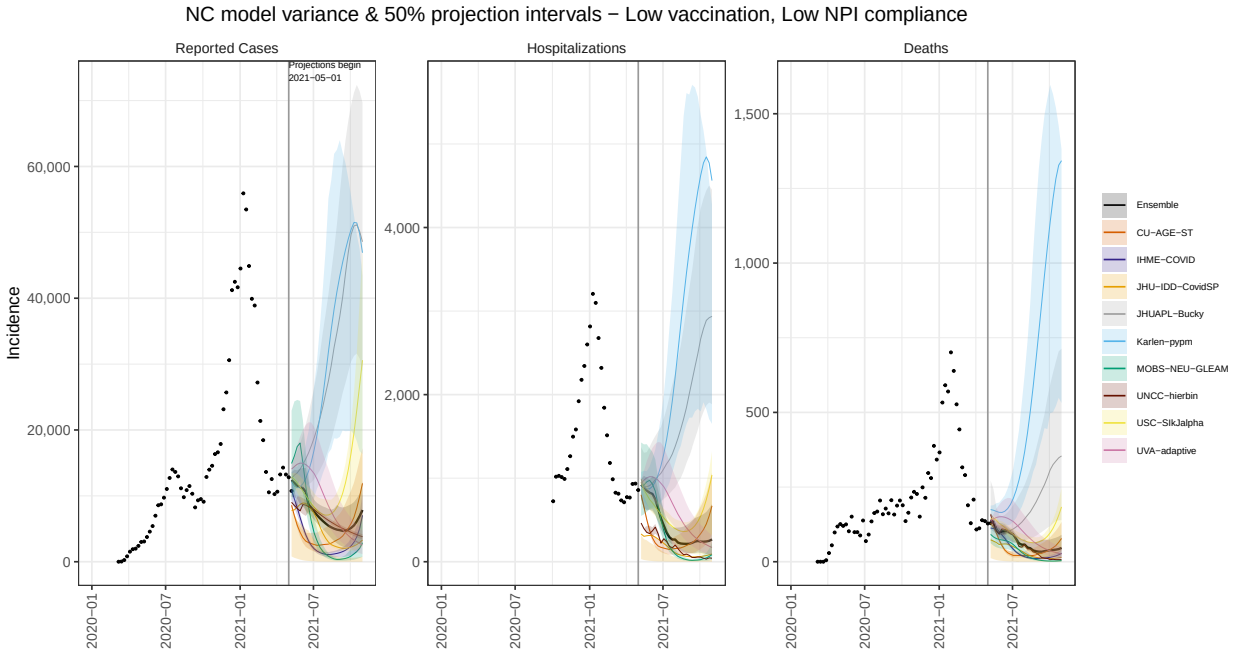

NV model variance & 50% projection intervals − Low vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
25,000
20,000
15,000
10,000
5,000
0
2,000
1,000
600
400
200
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

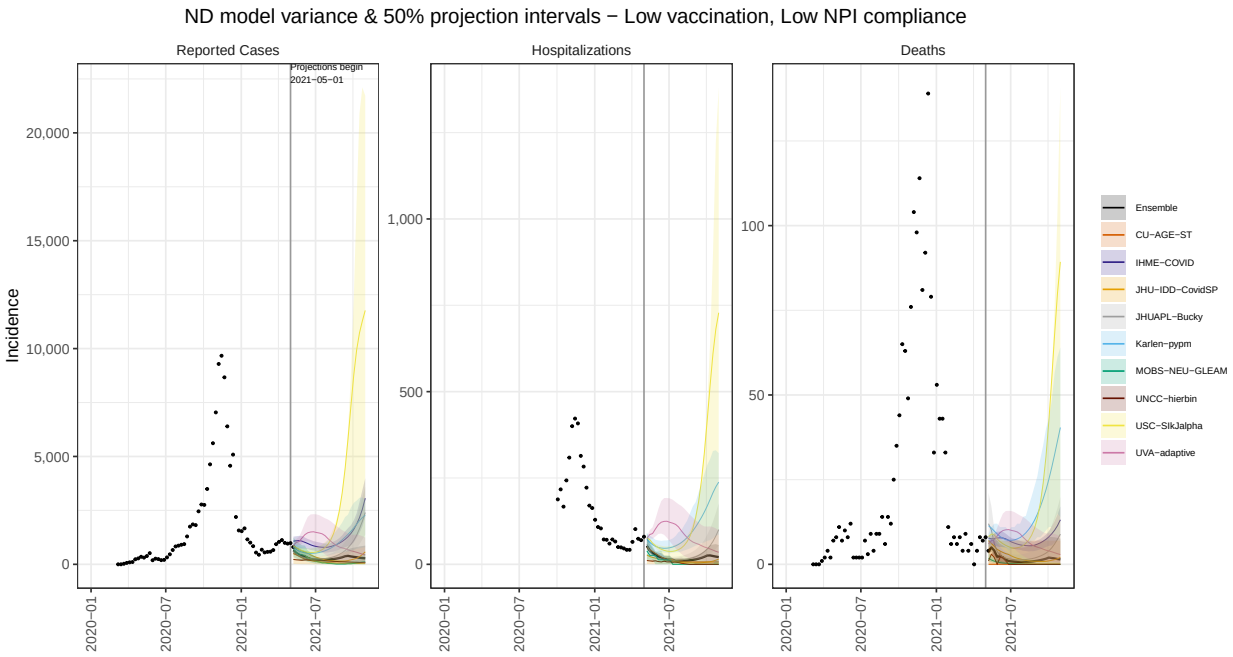

NH model variance & 50% projection intervals − Low vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
15,000
10,000
5,000
0
400
300
200
100
75
50
25
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

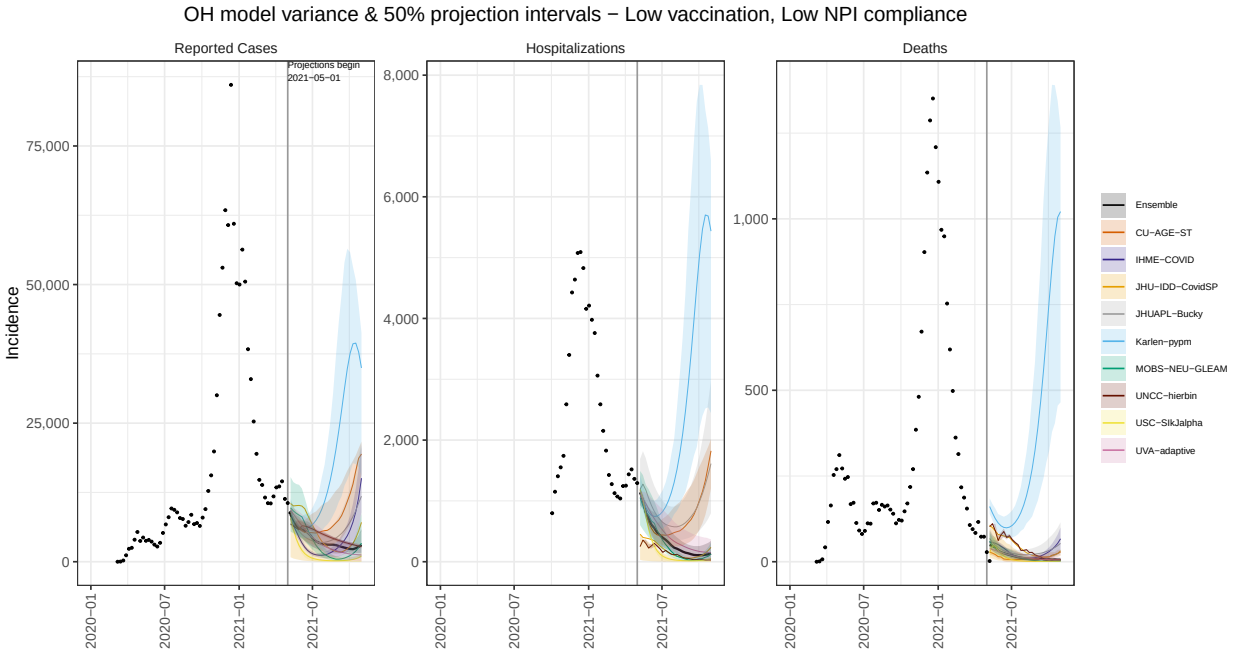

NJ model variance & 50% projection intervals − Low vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

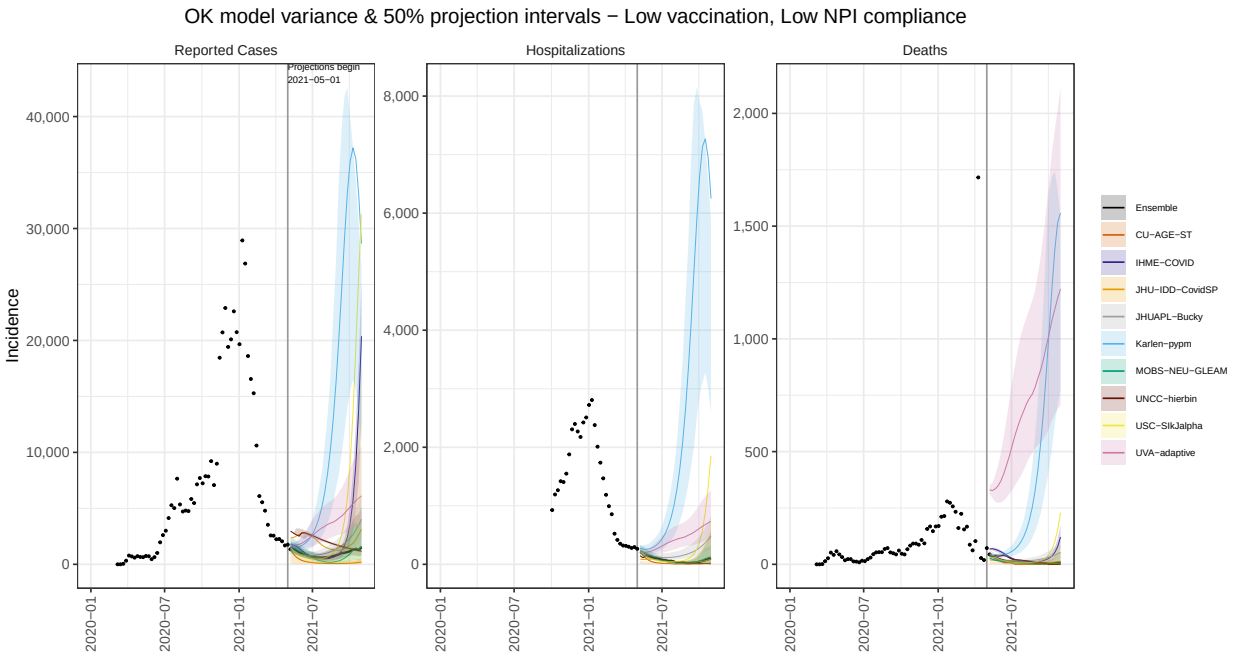

NM model variance & 50% projection intervals − Low vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

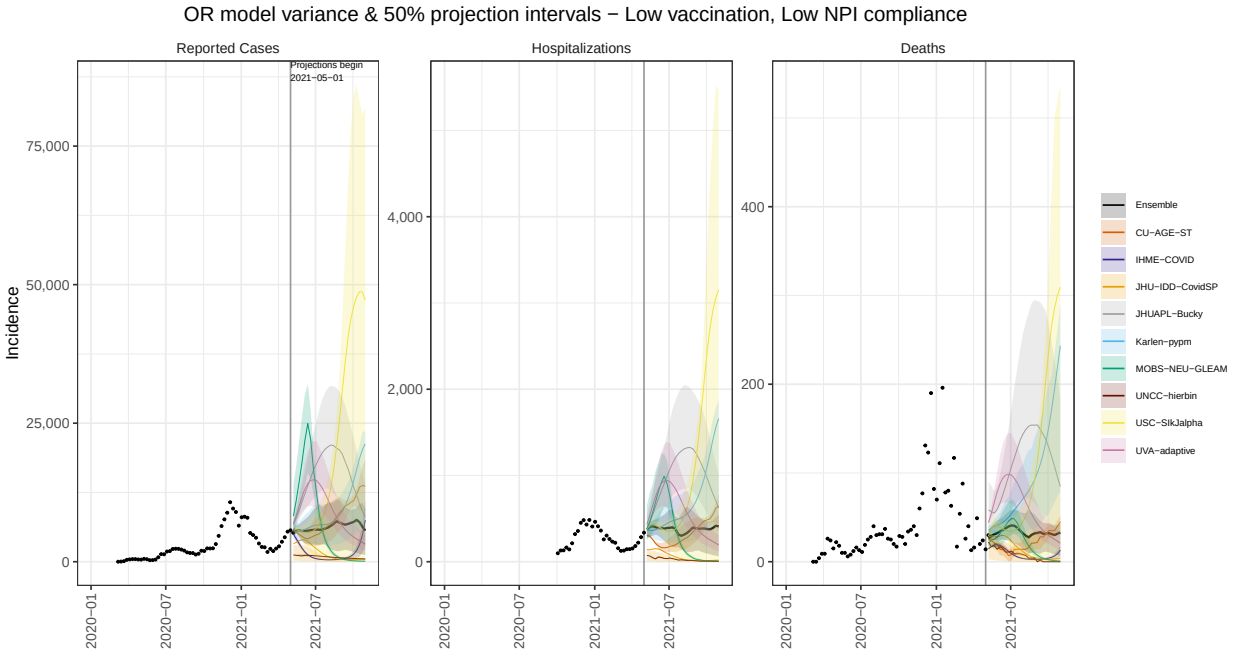

NY model variance & 50% projection intervals − Low vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
100,000
50,000
0
8,000
6,000
4,000
2,000
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

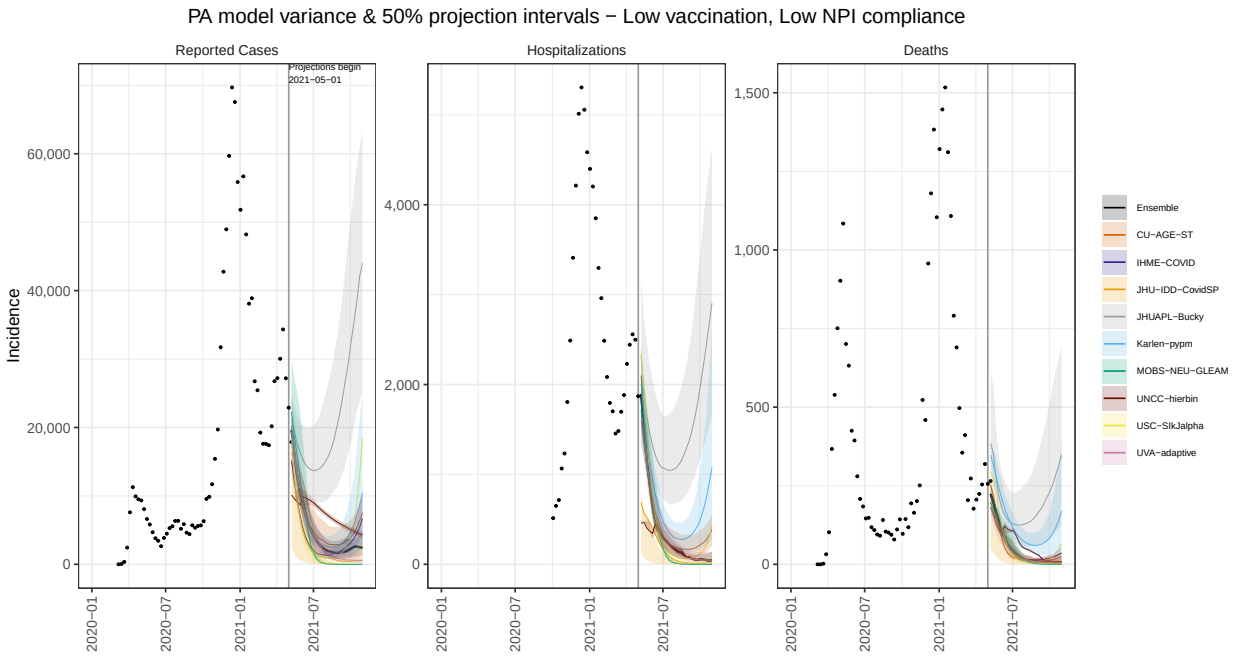

NC model variance & 50% projection intervals − Low vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
60,000
40,000
20,000
0
4,000
2,000
1,500
1,000
500
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

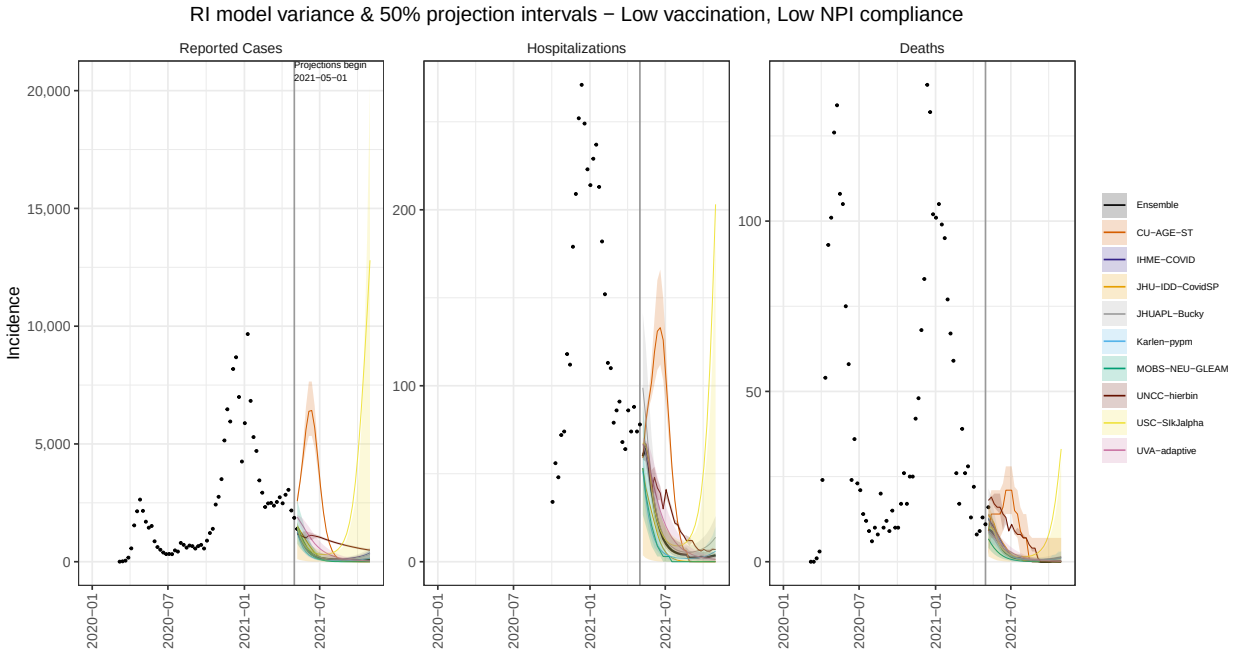

ND model variance & 50% projection intervals − Low vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
20,000
15,000
10,000
5,000
0
1,000
500
100
50
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

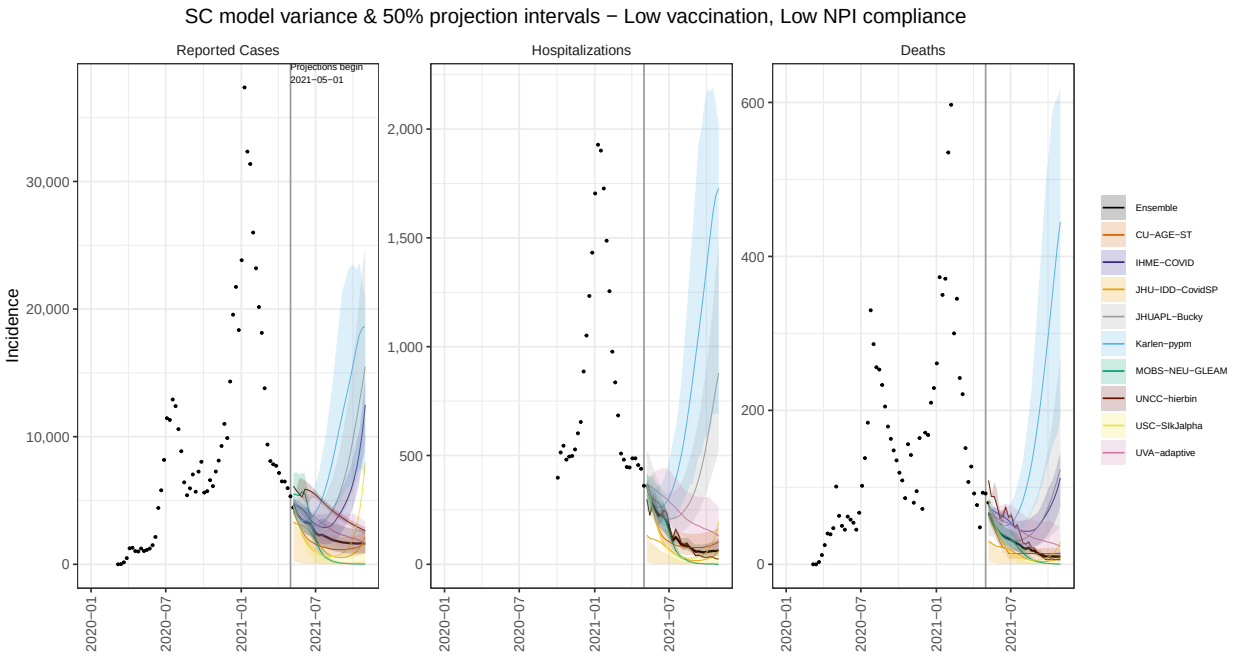

OH model variance & 50% projection intervals − Low vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
75,000
50,000
25,000
0
8,000
6,000
4,000
2,000
1,000
500
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

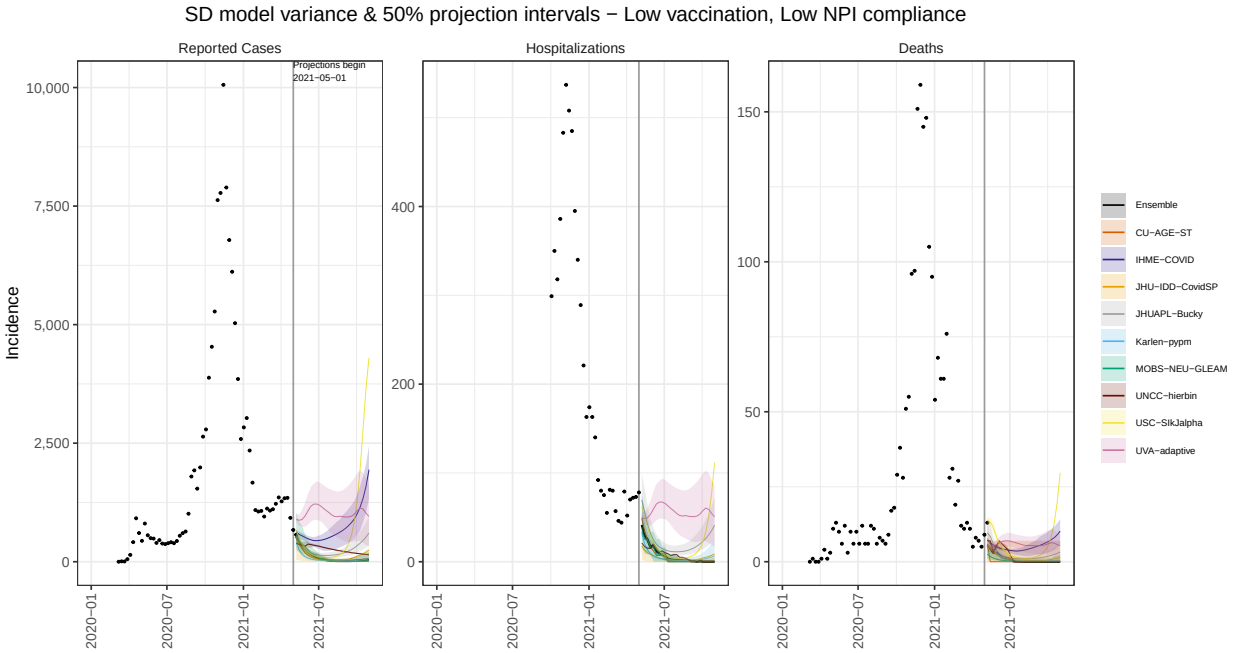

OK model variance & 50% projection intervals − Low vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
40,000
30,000
20,000
10,000
0
8,000
6,000
4,000
2,000
2,000
1,500
1,000
500
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

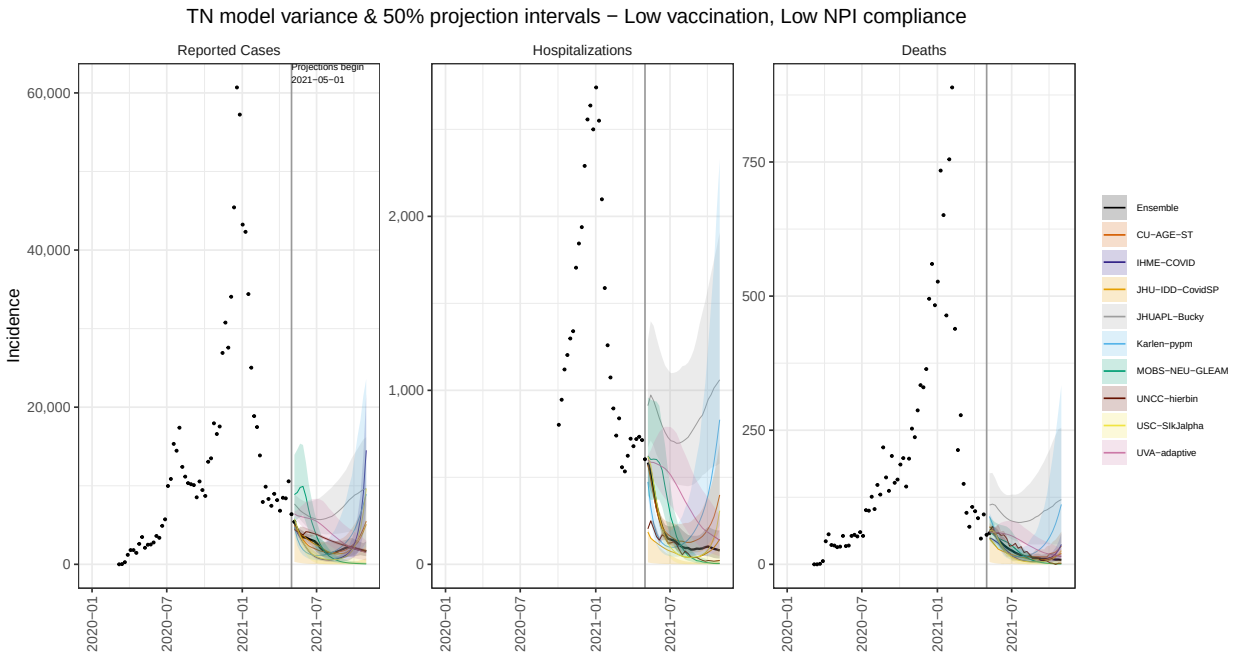

OR model variance & 50% projection intervals − Low vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
75,000
50,000
25,000
0
4,000
2,000
400
200
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

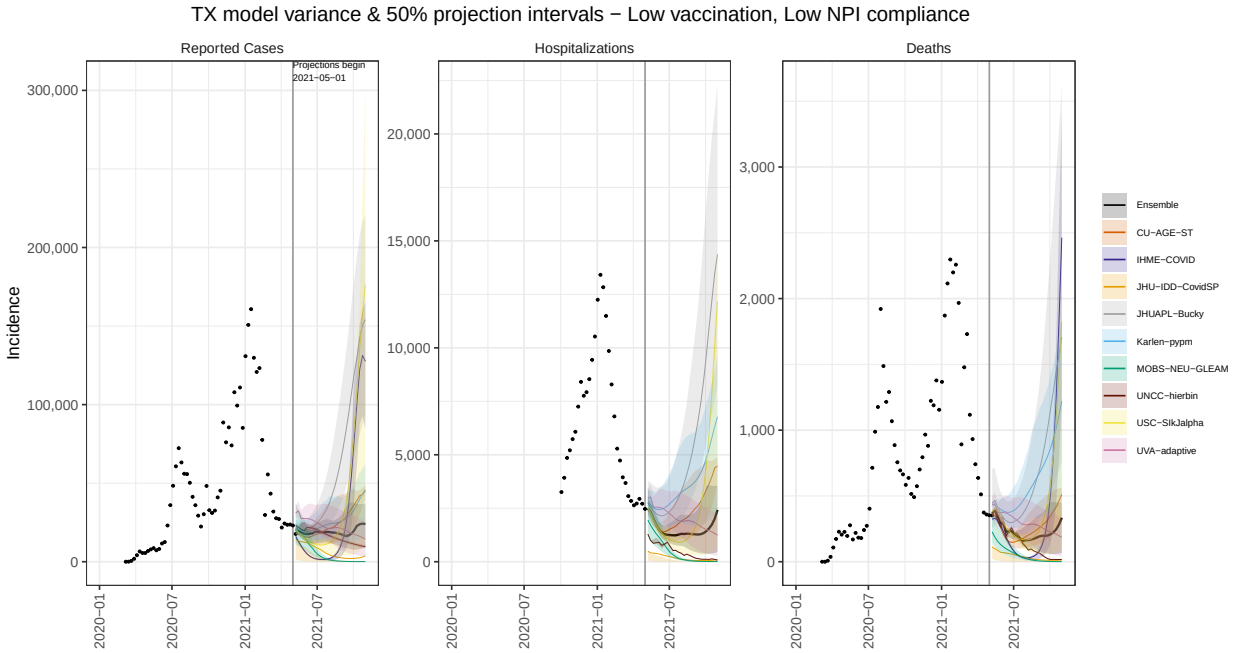

PA model variance & 50% projection intervals − Low vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
60,000
40,000
20,000
0
4,000
2,000
1,500
1,000
500
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

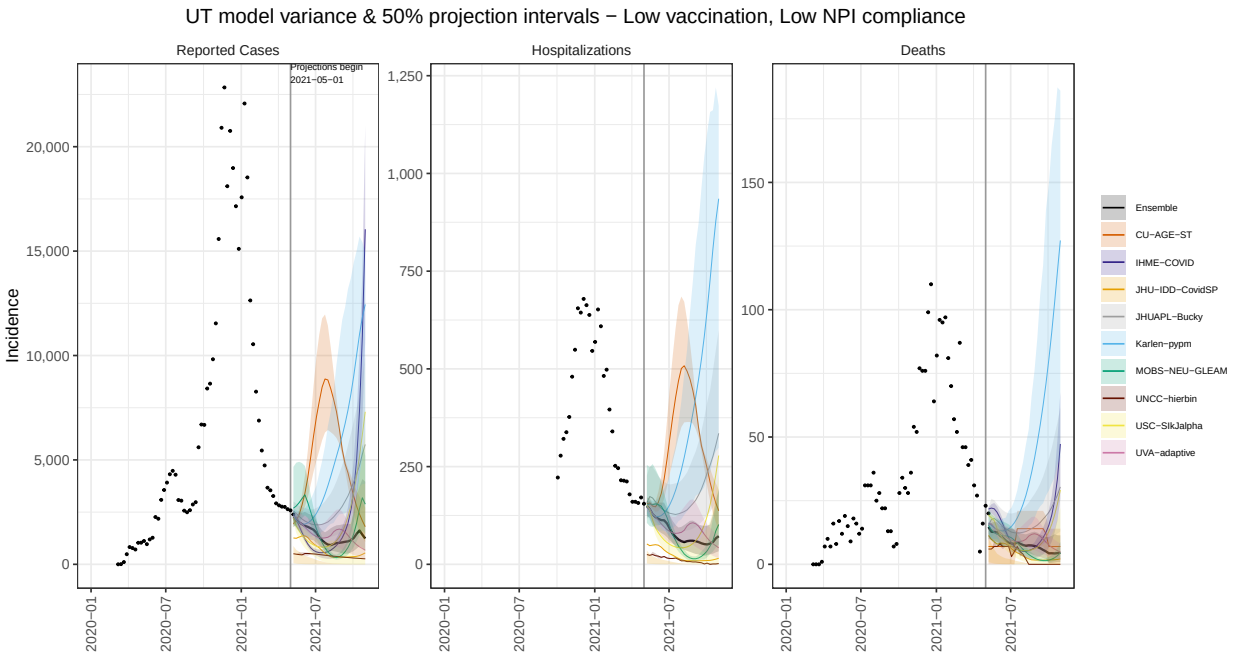

RI model variance & 50% projection intervals − Low vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
20,000
15,000
10,000
5,000
0
200
100
50
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

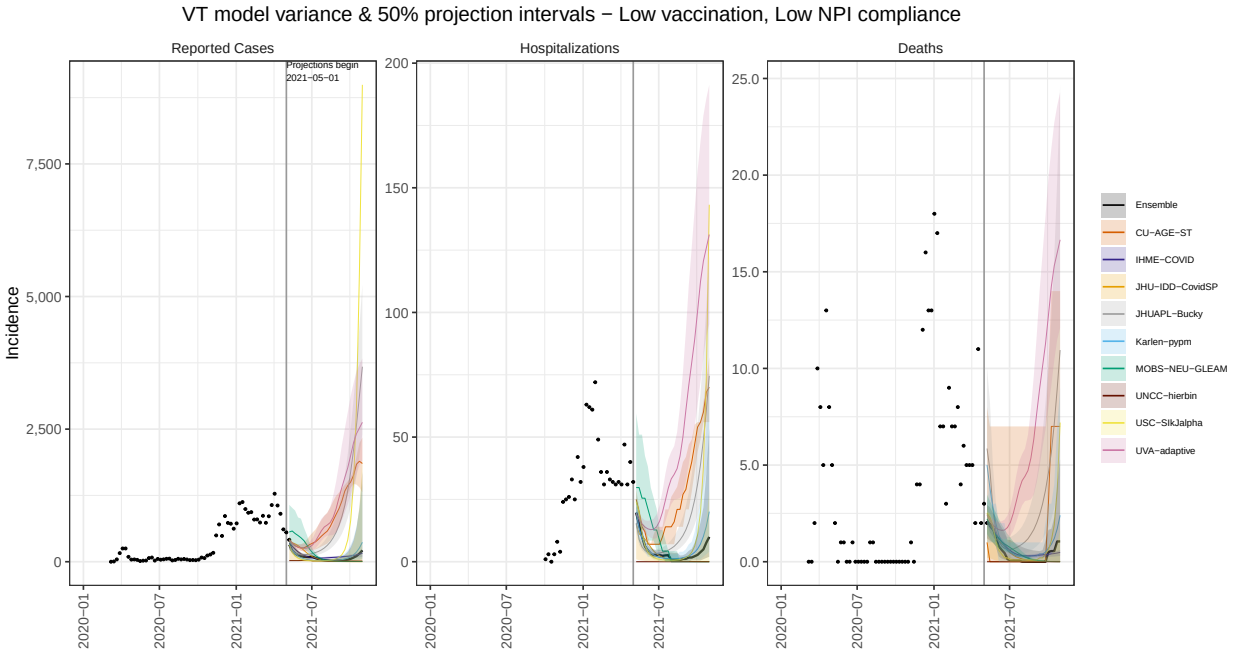

SC model variance & 50% projection intervals − Low vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

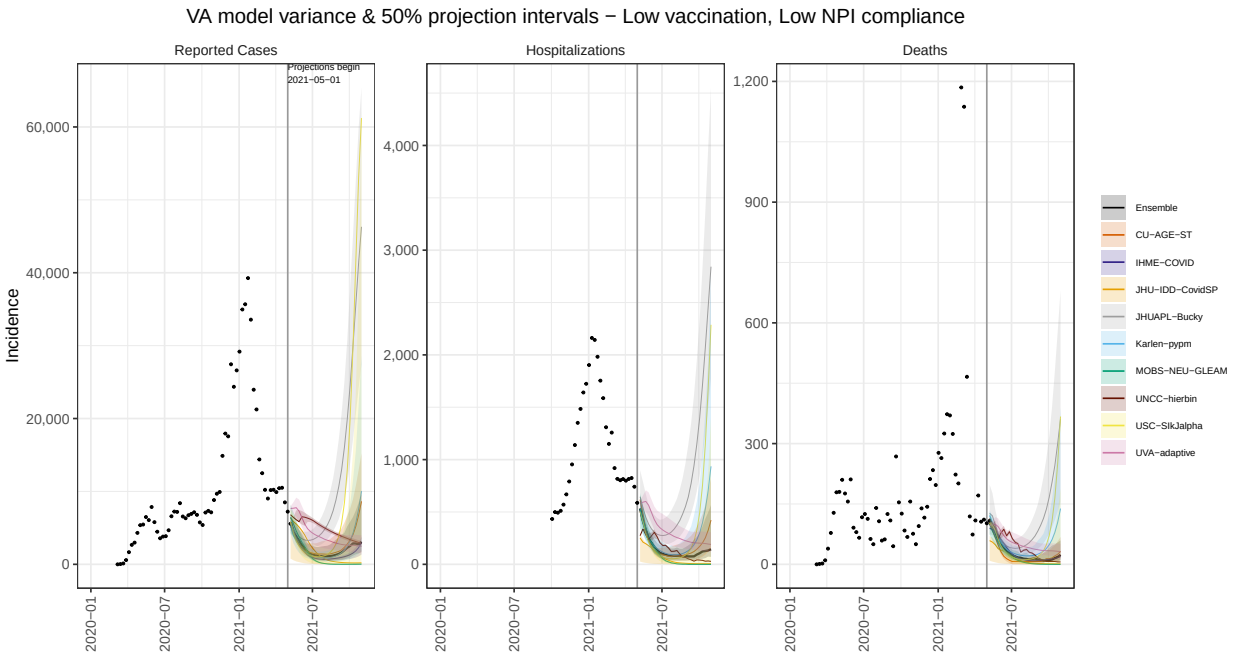

SD model variance & 50% projection intervals − Low vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

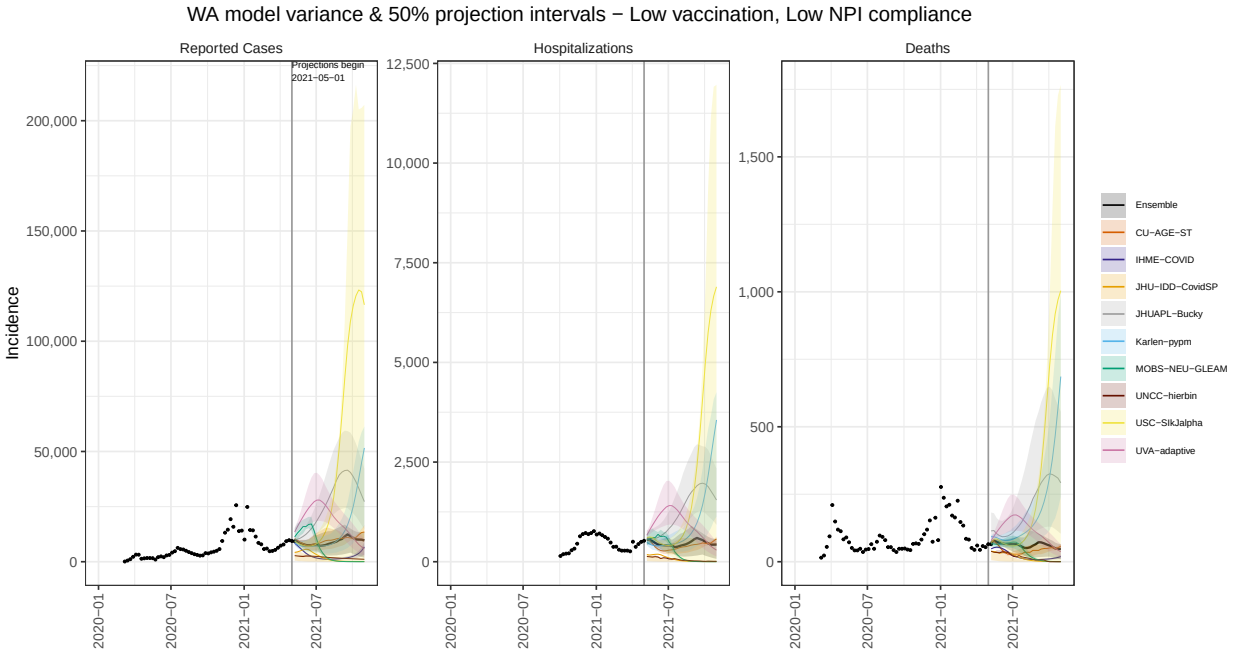

TN model variance & 50% projection intervals − Low vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
60,000
40,000
20,000
0
2,000
1,000
750
500
250
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

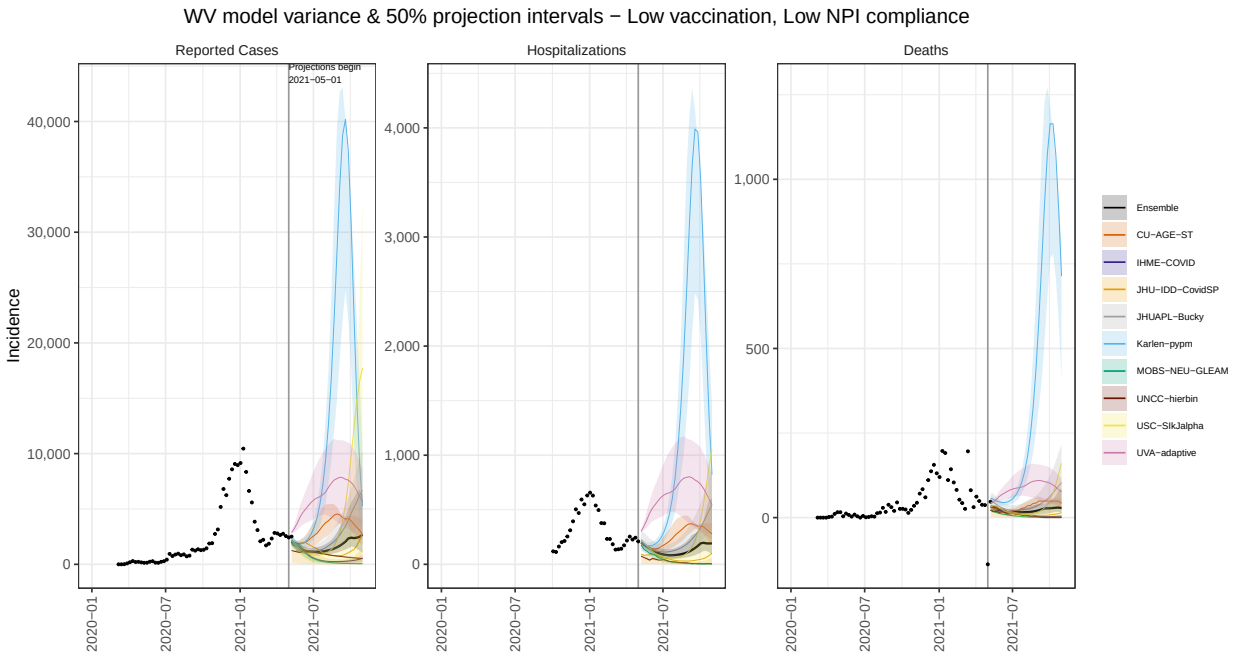

TX model variance & 50% projection intervals − Low vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
300,000
200,000
100,000
0
20,000
15,000
10,000
5,000
3,000
2,000
1,000
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

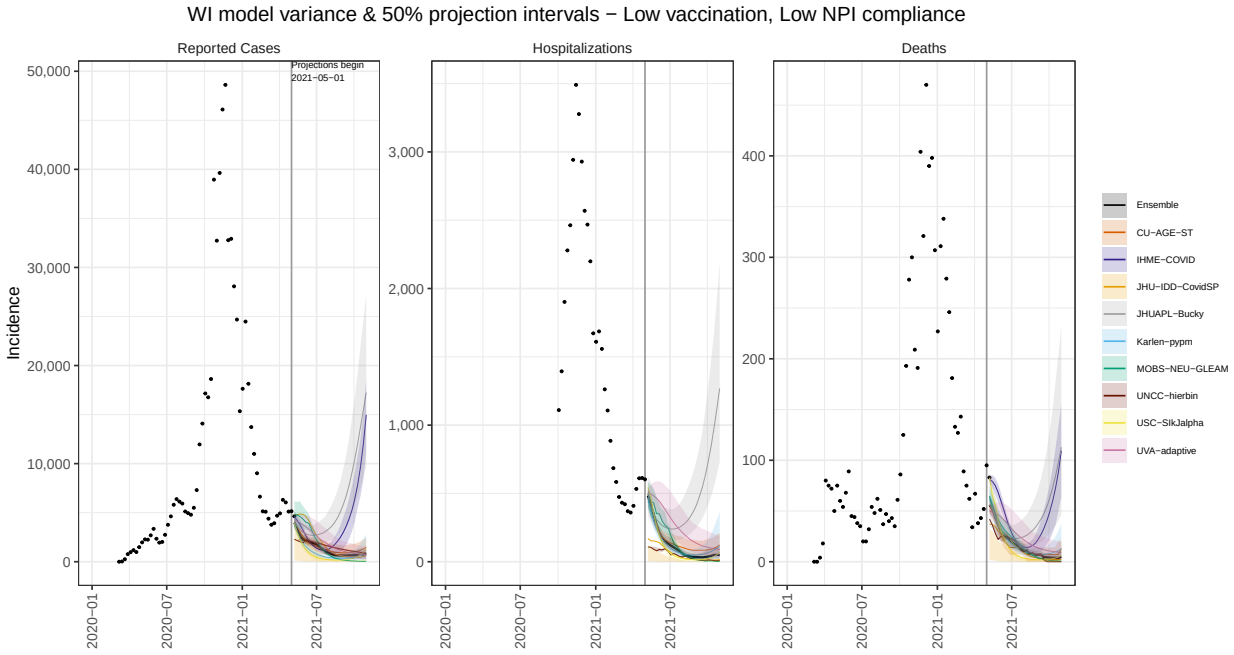

UT model variance & 50% projection intervals − Low vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

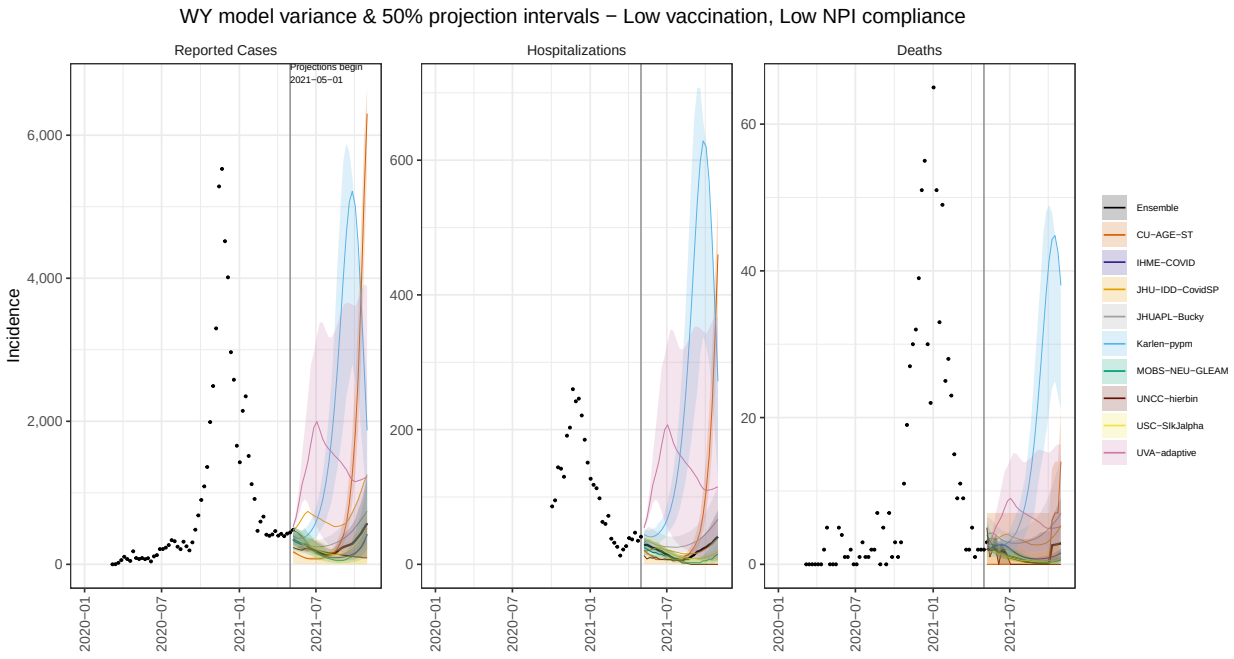

VT model variance & 50% projection intervals − Low vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

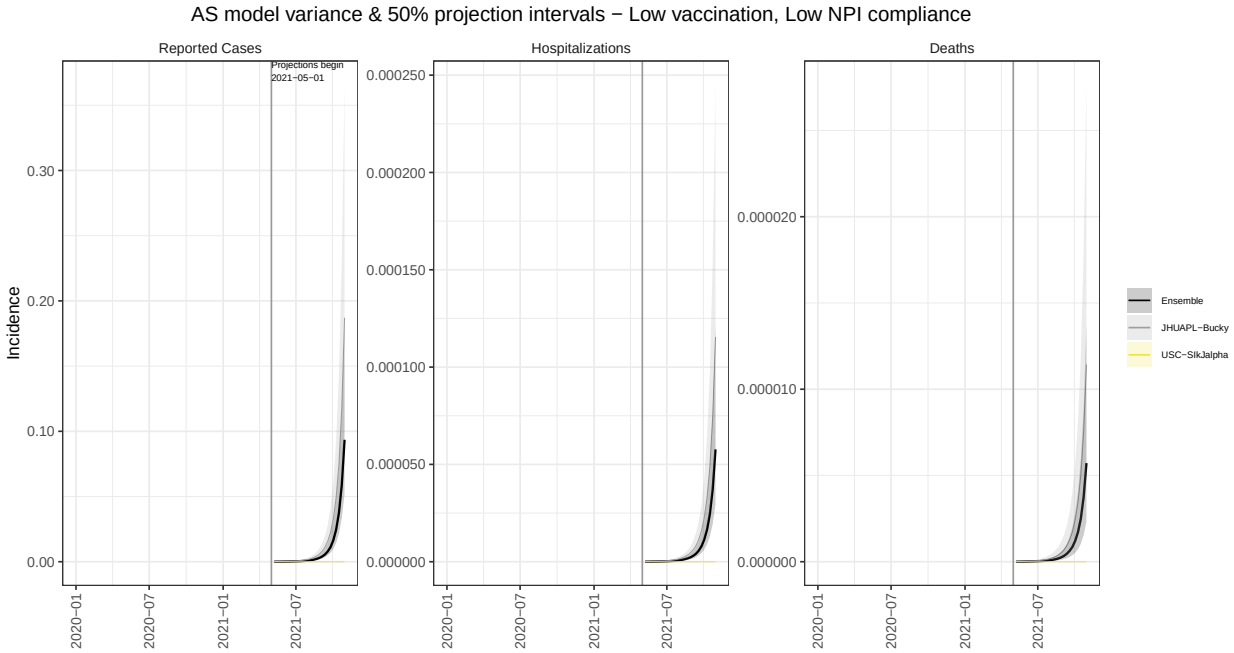

VA model variance & 50% projection intervals − Low vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
60,000
40,000
20,000
0
4,000
3,000
2,000
1,000
1,200
900
600
300
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive


WA model variance & 50% projection intervals − Low vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
200,000
150,000
100,000
50,000
0
12,500
10,000
7,500
5,000
2,500
1,500
1,000
500
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

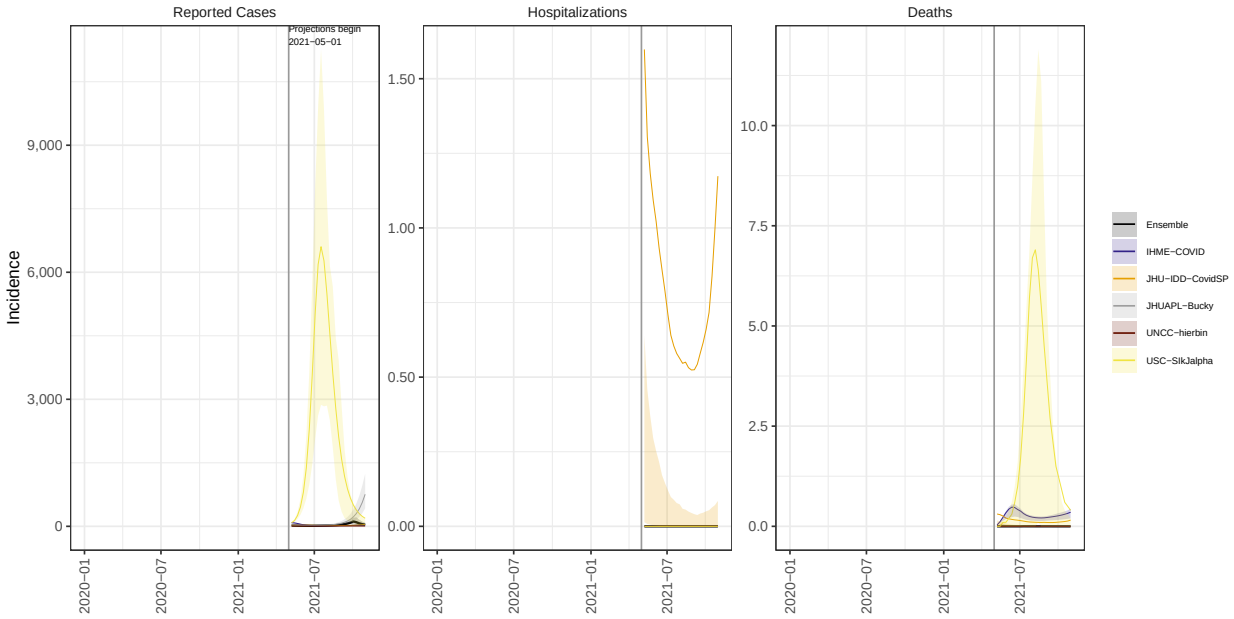

WV model variance & 50% projection intervals − Low vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
40,000
30,000
20,000
10,000
0
4,000
3,000
2,000
1,000
1,000
500
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive


WI model variance & 50% projection intervals − Low vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
50,000
40,000
30,000
20,000
10,000
0
3,000
2,000
1,000
400
300
200
100
2020−01
2020−07
2021−01
2021−07
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

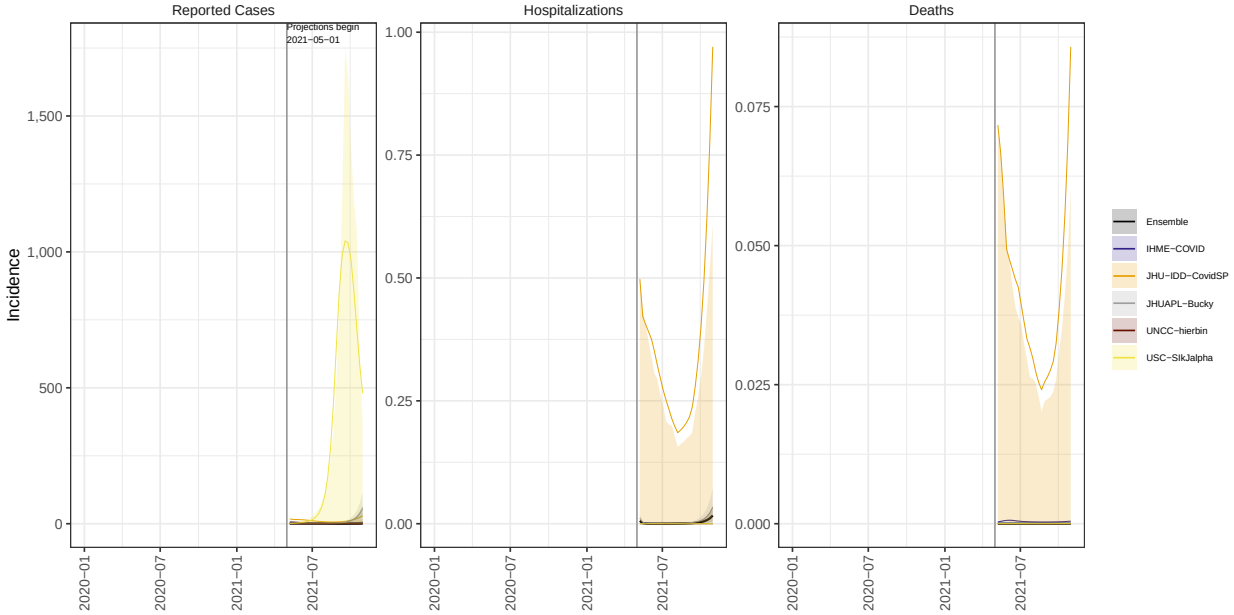

WY model variance & 50% projection intervals − Low vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
CU−AGE−ST
IHME−COVID
JHU−IDD−CovidSP
JHUAPL−Bucky
Karlen−pypm
MOBS−NEU−GLEAM
UNCC−hierbin
USC−SIkJalpha
UVA−adaptive

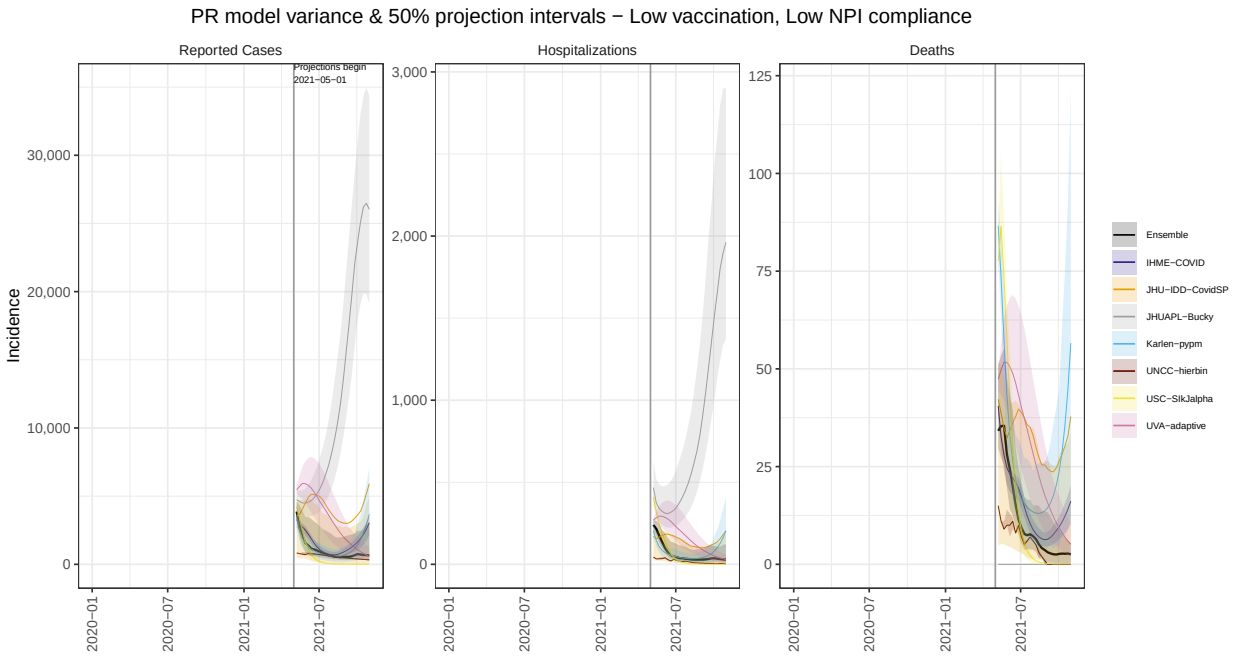

AS model variance & 50% projection intervals − Low vaccination, Low NPI compliance
Reported Cases
Hospitalizations
Deaths
Projections begin
2021−05−01
Incidence
Ensemble
JHUAPL−Bucky
USC−SIkJalpha

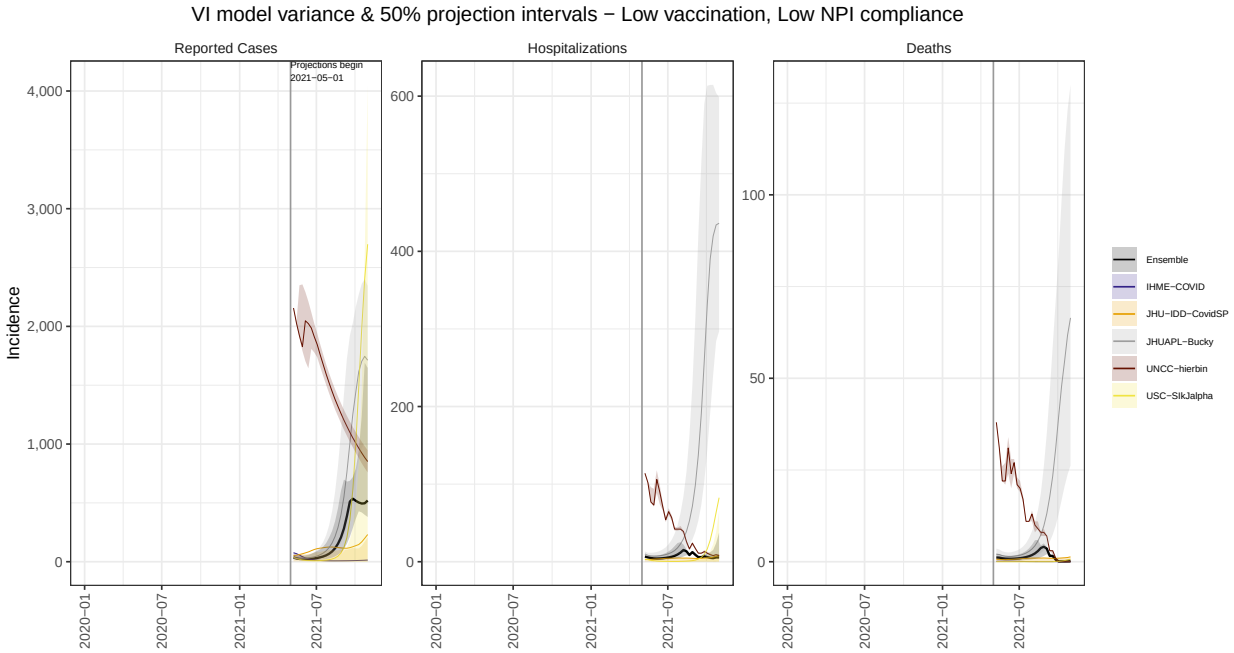
GU model variance & 50% projection intervals − Low vaccination, Low NPI compliance



MP model variance & 50% projection intervals − Low vaccination, Low NPI compliance







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- University of Virginia — adaptive
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