



"Strategic Advice in an Era of Unprecedented Change"

COVID19 VITAL SIGNS

ISSUE #377

MONDAY, APRIL 11, 2022

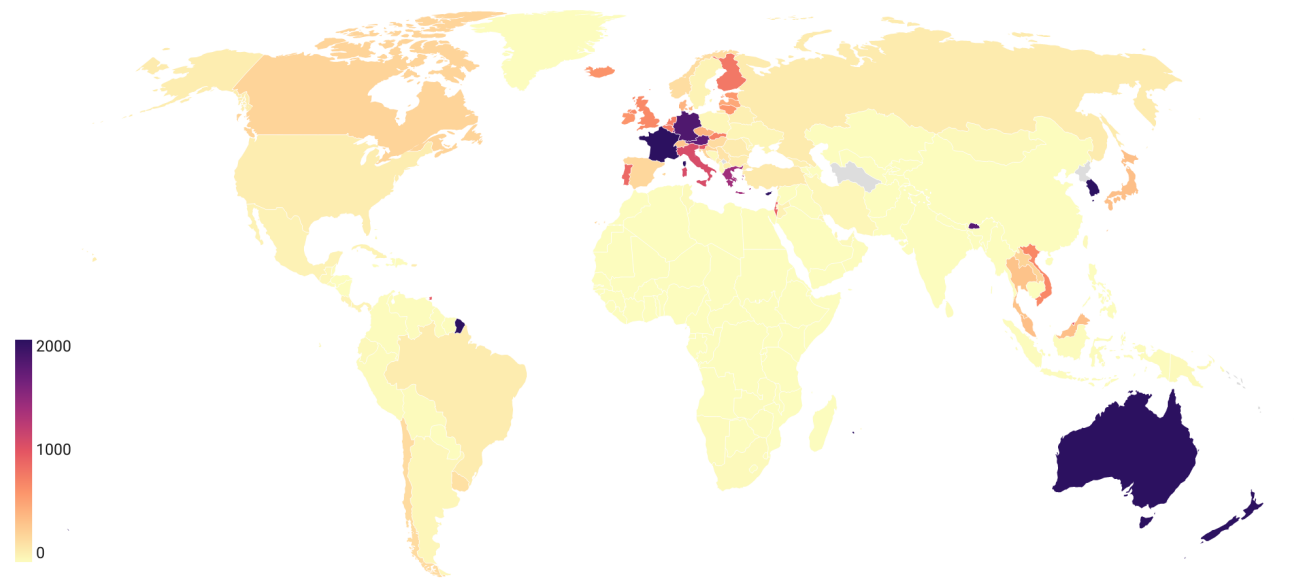
Highlights – As of April 8

- ▶ Europe and the Asia Pacific region remain at the epicenter of Covid infections. However, cases receded across much of Europe, without matching the peaks of the earlier Omicron wave
- ▶ New cases reported in the United States increased over the past week. This followed two-and-one-half months of steadily declining cases
- ▶ States in the Northeast represent the epicenter of case growth in the United States
- ▶ Vermont led the nation in new cases per capita last week, followed by Rhode Island, New York, and Massachusetts. However, hospital admissions with Covid failed to match case increases:
 - ▶ These admissions declined or remain steady in Vermont, Rhode Island and Massachusetts in the past two weeks
 - ▶ Admissions rose in New York but, more slowly than cases increased
- ▶ Nationwide, admissions and patient days with Covid declined last week (6% and 14%, respectively). Fewer people were hospitalized with Covid last week than at any time since the early days of the pandemic
- ▶ The Covid situation stabilized across the country last week.
 - ▶ The CDC's Community Level system reported that 96% of communities rated "Low" for transmission and hospital impact, up slightly in the past week
 - ▶ Nineteen communities rated "High" last week (0.5%), up from seventeen a week earlier
- ▶ Fewer people died with Covid last week than any time since last August. Already, deaths were lowered by 4.5x from late-January levels
- ▶ Projected new Covid infections fall through at least August 1 (IHME forecast): a 50% drop is anticipated in the next month; 80% from today to August 1
- ▶ Projected admissions and patient days decline too, according to IHME modeling: both measures drop by half in the next month and by three-fourths by August 1

Europe and the Asia Pacific region remain as Covid hotspots

New Daily Cases / Million

7-Day Average, As of April 8



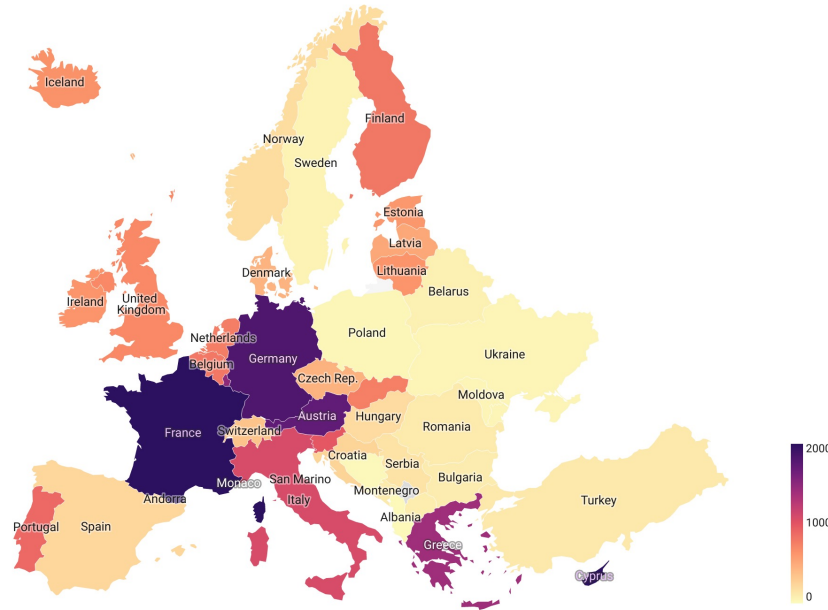
Map: Health Industry Advisor LLC • Source: worldometer.info • Created with Datawrapper

Covid's spread eased slightly across Europe over the past week. Austria, France, and Germany suffered the highest case rates in Europe during the past seven days

April 8

New Daily Cases / Million

7-Day Average, As of April 8

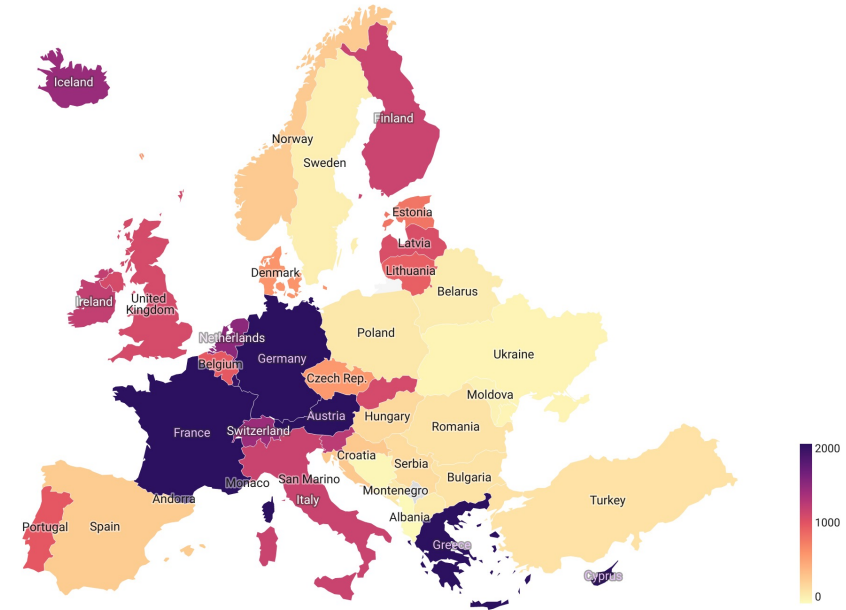


Map: Health Industry Advisor LLC • Source: worldometer.info • Created with Datawrapper

April 1

New Daily Cases / Million

7-Day Average, As of April 1



Map: Health Industry Advisor LLC • Source: worldometer.info • Created with Datawrapper

Recent waves in several European countries and Israel ebbed in the past few weeks

New Daily Cases per Million

7-day average

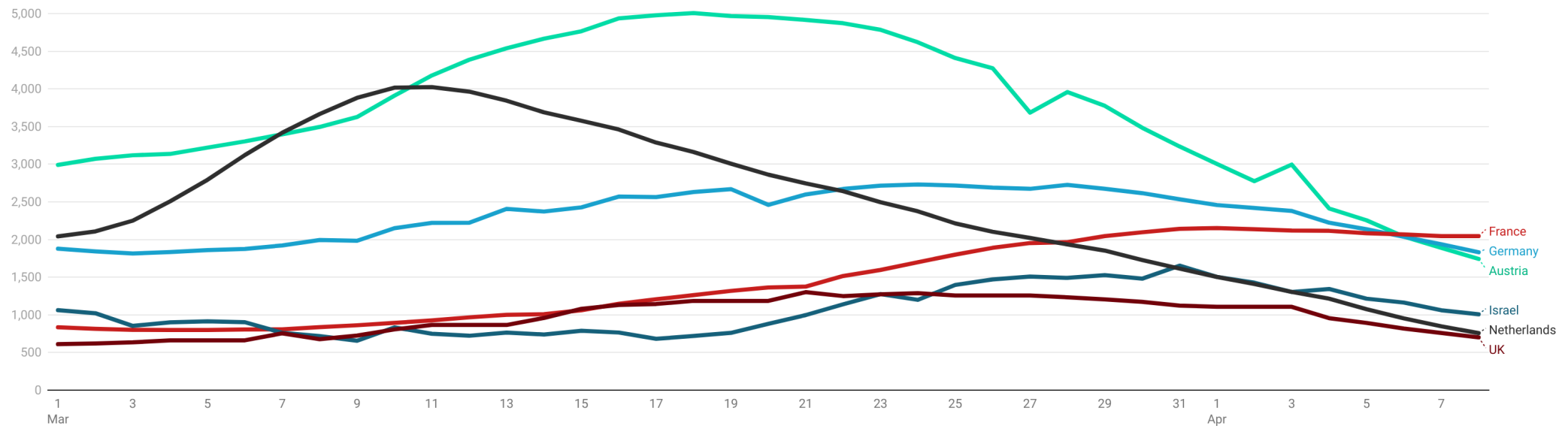
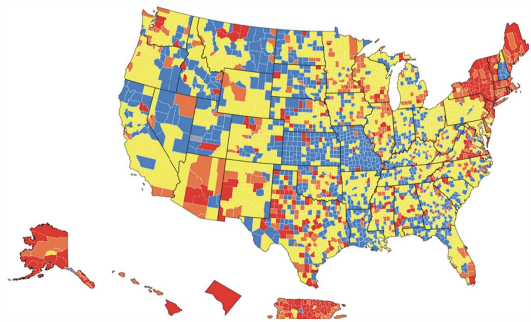


Chart: health Industry Advisor LLC • Source: worldometers.info • Created with Datawrapper

Two views: CDC rates most communities as “Low” or “Moderate” for transmission; “Low” for transmission and healthcare impact combined

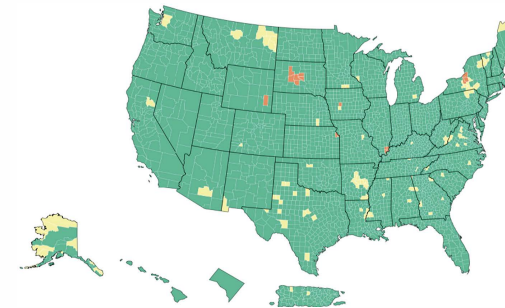
Community Transmission of All Counties in US



Community Transmission in US by County

	Total	Percent	% Change
High	373	10.54%	- 1.55%
Substantial	428	12.09%	- 3.87%
Moderate	1491	42.12%	- 2.74%
Low	926	26.16%	8.14%

COVID-19 Community Levels of All Counties in US



COVID-19 Community Levels in US by County

	Total	Percent	% Change
High	19	0.59%	0.06%
Medium	123	3.82%	- 0.72%
Low	3082	95.6%	0.66%

New Covid cases in the United States increased recently,
as the BA.2 subvariant spread

Week-Over-Week Change in Newly Reported Cases

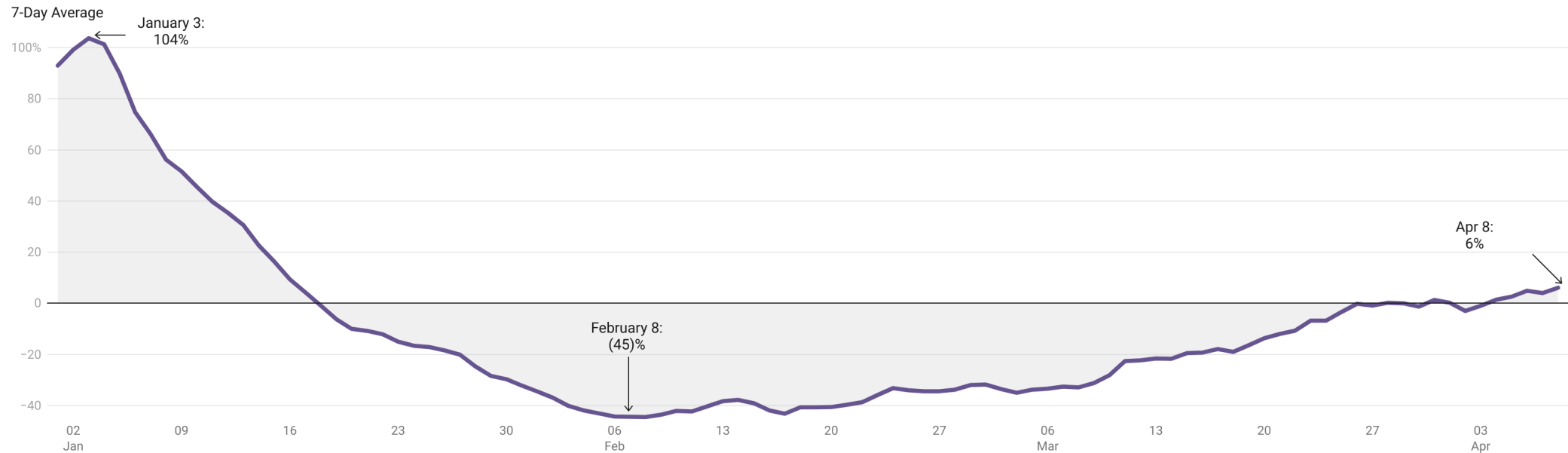


Chart: Health Industry Advisor LLC • Source: worldometers.info • Created with Datawrapper

However, the test-positive remains within public health guidelines

Test-Positivity Rate

7-Day Average, Through April 4

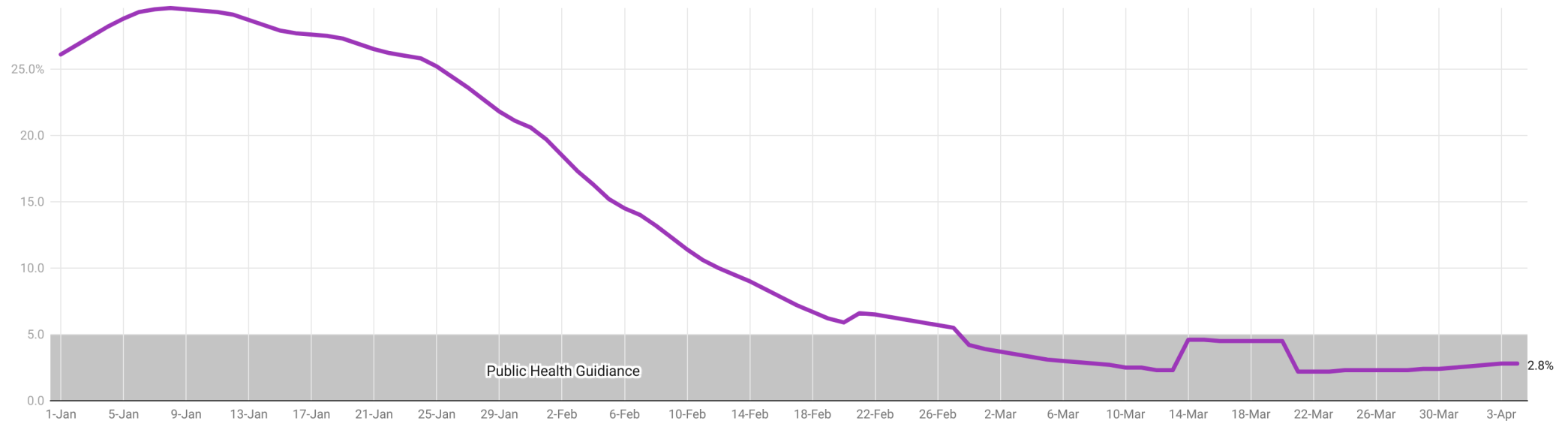


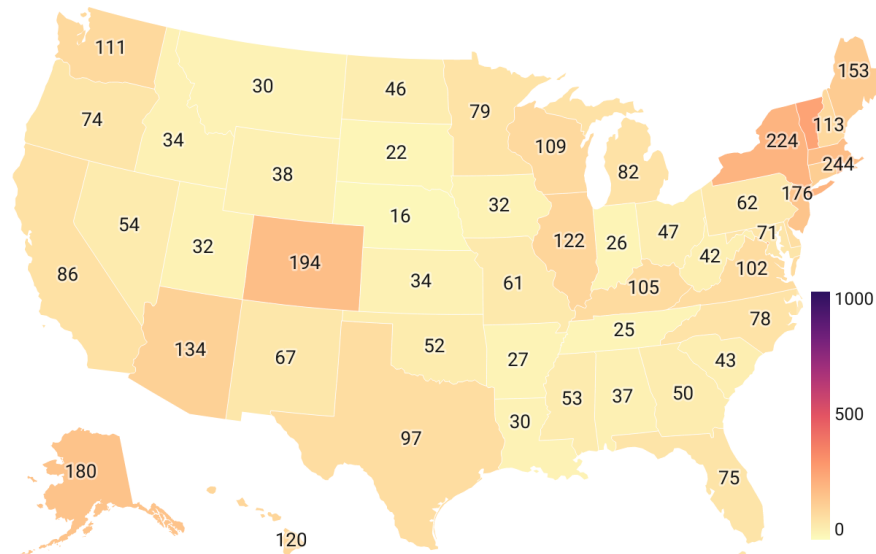
Chart: Health Industry Advisor LLC • Source: U.S. Department of Health & Human Services • Created with Datawrapper

Cases rates, while generally low in the United States, run highest and have increased recently in the Northeast

April 8

New Cases / Million / Day

7-Day Average, As of April 8

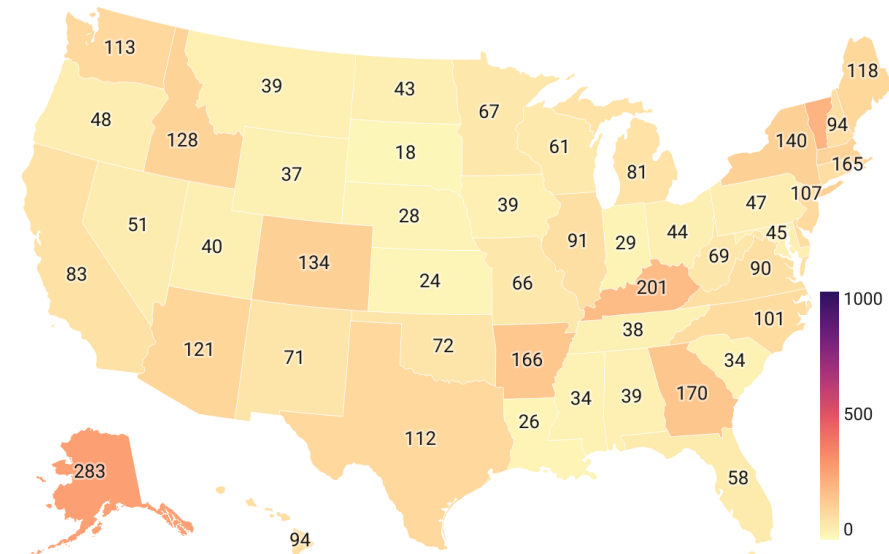


Map: Health Industry Advisor LLC • Source: worldometers.info • Created with Datawrapper

March 25

New Cases / Million / Day

7-Day Average, As of March 25



Map: Health Industry Advisor LLC • Source: worldometers.info • Created with Datawrapper

Covid cases spread in Colorado, Massachusetts, New York, Rhode Island, and Vermont. However, admissions rose only in New York . . .and, only half as fast as cases

Cases / Million - States With Highest Rates

7-Day Average, Through April 9

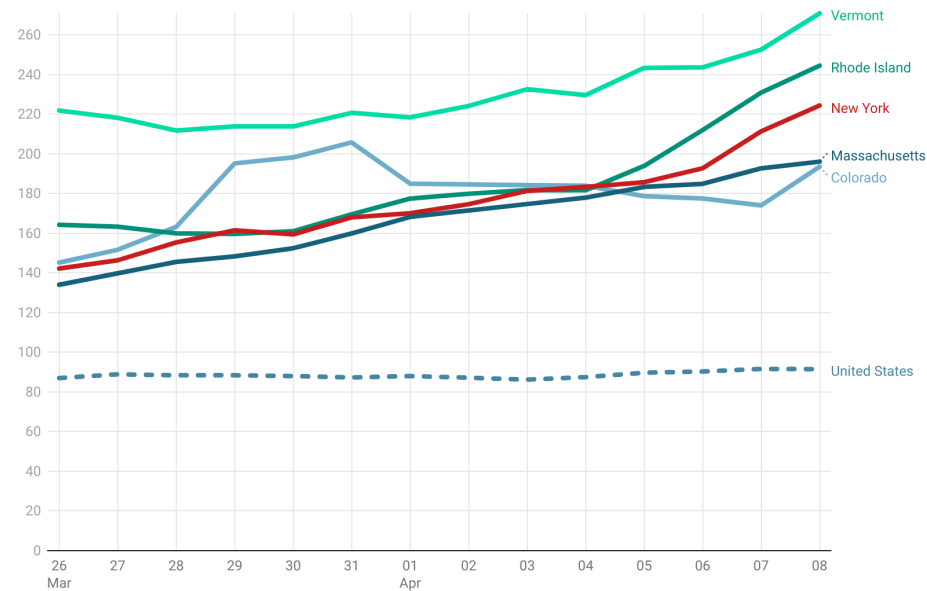


Chart: Health Industry Advisor LLC • Source: worldometers.info • Created with Datawrapper

Average Admissions With Covid - States With Highest Case Rate

7-Day Average

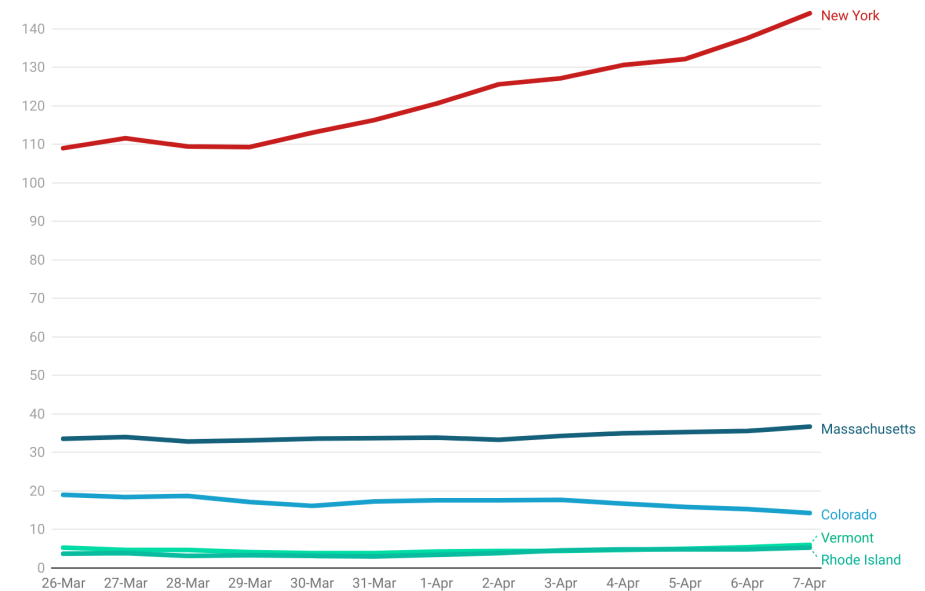
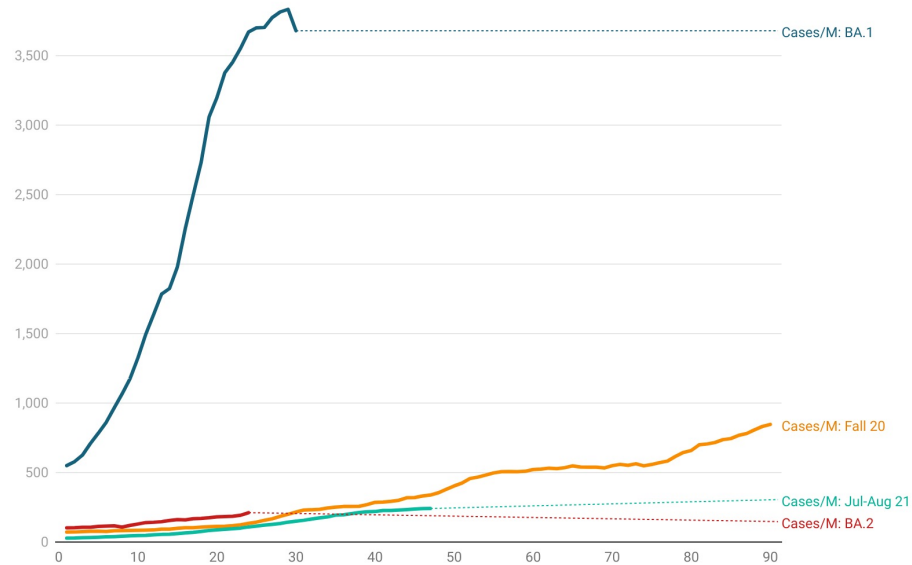


Chart: Health Industry Advisor LLC • Source: Centers for Disease Control and Prevention • Created with Datawrapper

New cases and admissions in New York are trending far lower than during the BA.1 wave and are increasing much more slowly. Both measures are tracking more closely with earlier waves

New Cases / M: New York State; Last Four Waves

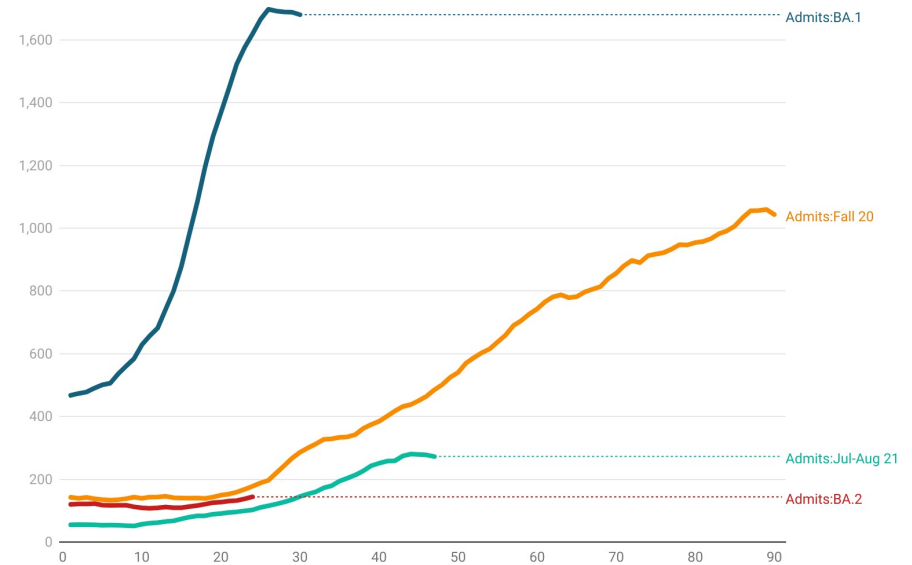
7-Day Averages



Origin: Date that cases began consistently rising. Terminal point: peak of the wave
Chart: Health Industry Advisor LLC • Source: Worldometers.info • Created with Datawrapper

Admissions: New York State; Last Four Waves

7-Day Averages

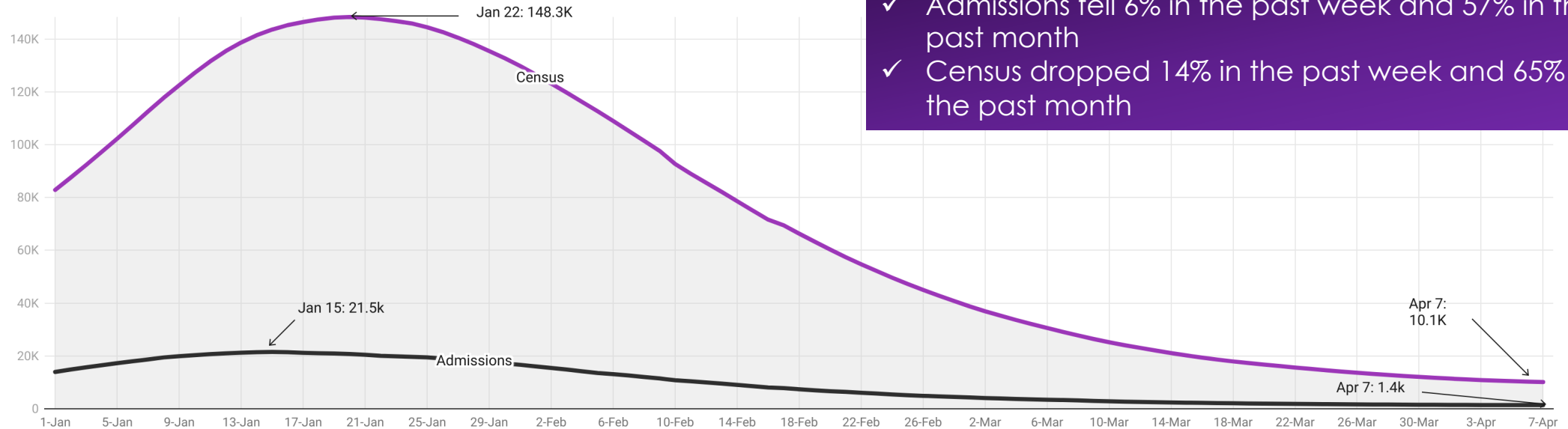


Origin: Date that cases began consistently rising. Terminal point: peak of the wave
Chart: Health Industry Advisor LLC • Source: Worldometers.info • Created with Datawrapper

Nationwide, Covid admissions and patient days fell to the lowest levels since the early days of the pandemic

Covid-19 Admissions & Census

7-Day Average Thru April 7



- ✓ Admissions fell 6% in the past week and 57% in the past month
- ✓ Census dropped 14% in the past week and 65% in the past month

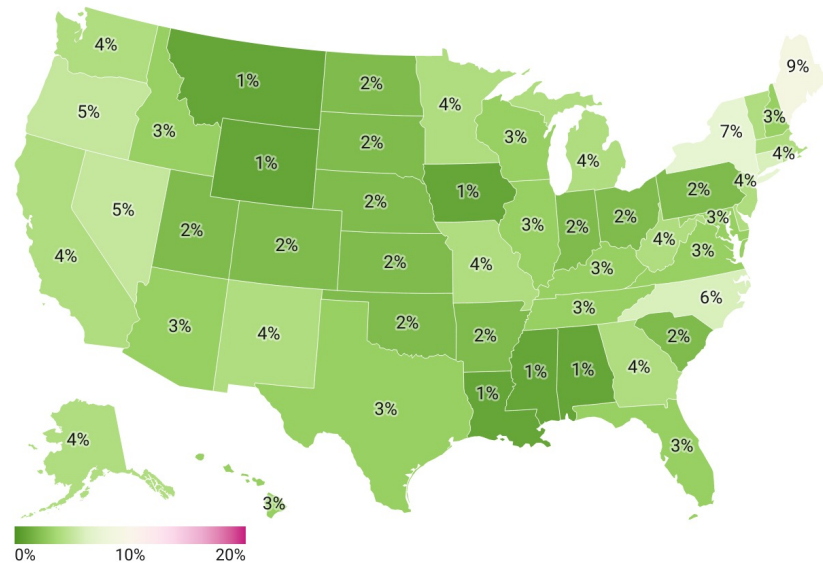
Chart: Health Industry Advisor LLC • Source: Centers for Disease Control and Prevention • Created with Datawrapper

Hospitalizations with Covid continued falling across the country

April 7

Covid-19 Patients As % of All Inpatient Beds

As of April 7

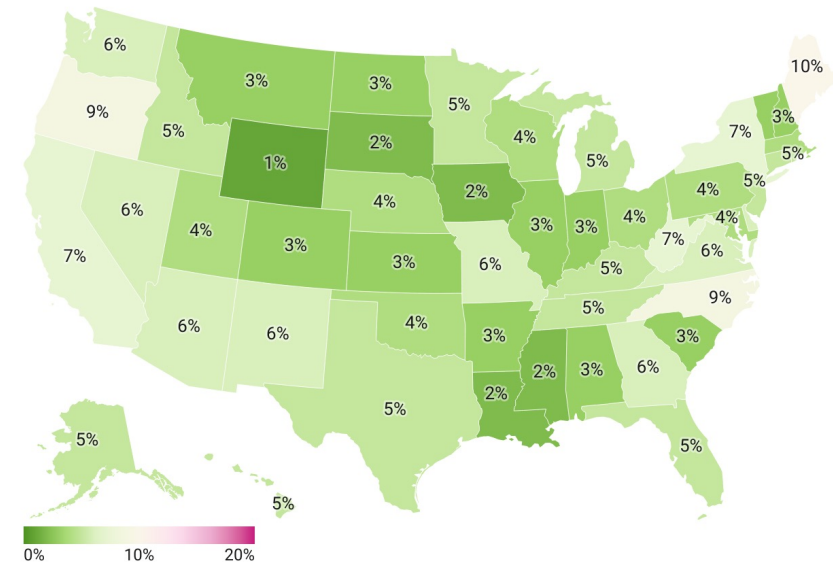


Map: Health Industry Advisor LLC • Source: Centers for Disease Control and Prevention • Created with Datawrapper

March 23

Covid-19 Patients As % of All Inpatient Beds

As of March 23

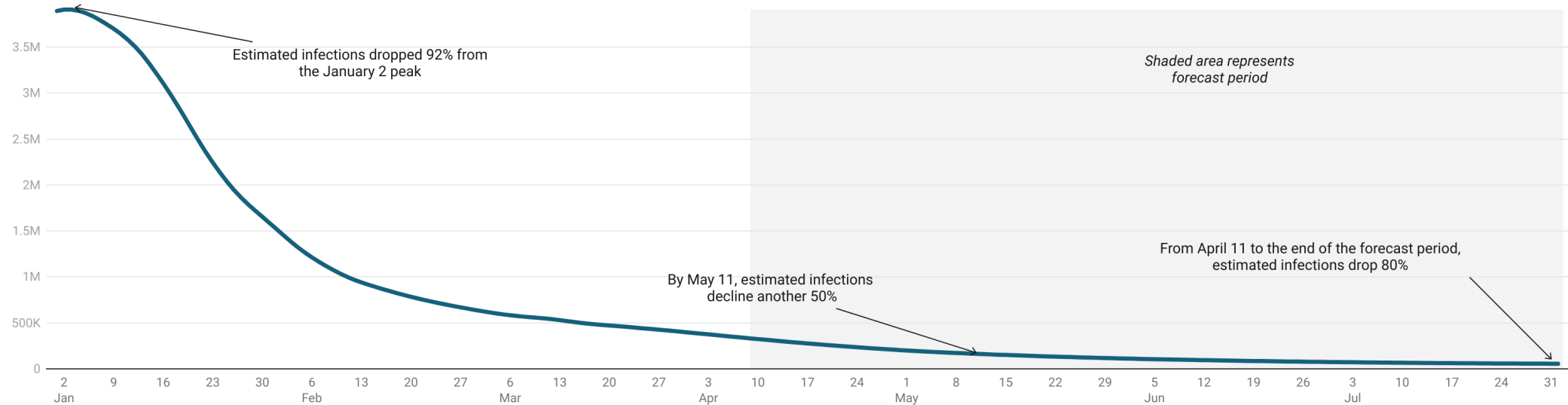


Map: Health Industry Advisor LLC • Source: Centers for Disease Control and Prevention • Created with Datawrapper

IHME projects infections to decline another 60% during April

Estimated and Projected Infections - U.S.

Institute For Health Metrics and Evaluation



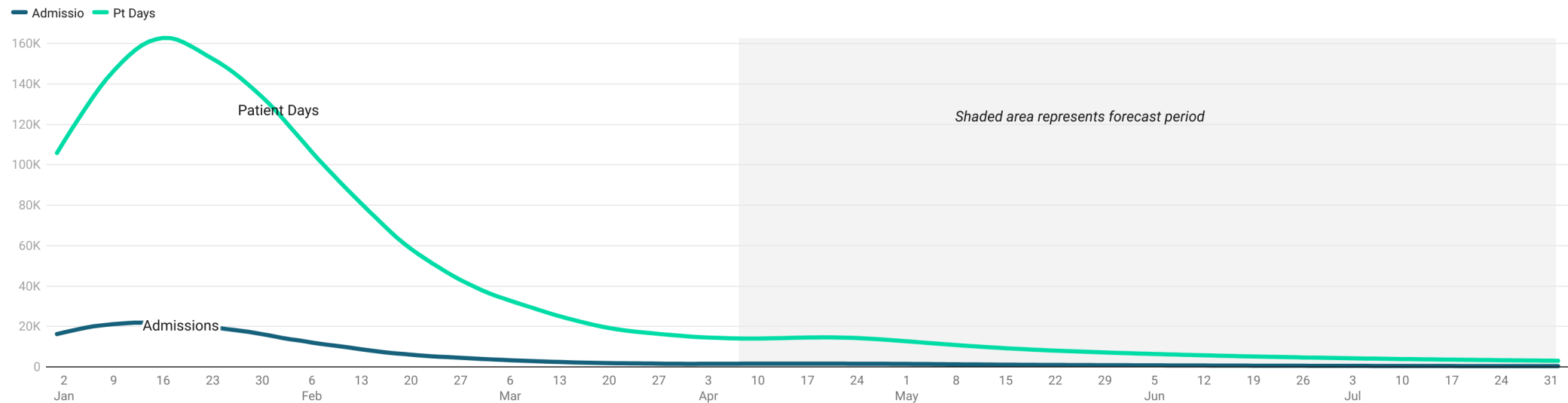
Forecast Date: April 8

Chart: Health Industry Advisor LLC • Source: Institute For Health Metrics and Evaluation • Created with Datawrapper

IHME anticipates Covid admissions and patient days will fall further – admissions by more than ½ in a month and by 75% in the next two months; 61% and 78% for patient days

Estimated & Projected Hospital Covid-19 Admissions & Patient Days

Institute for Health Metrics and Evaluation



Forecast Date: April 8

Chart: Health Industry Advisor LLC • Source: Institute for Health Metrics and Evaluation • Created with Datawrapper

Deaths with Covid declined again last week, continuing a pattern that started in late January

Deaths With Coronavirus

7-Day Average, Through April 8

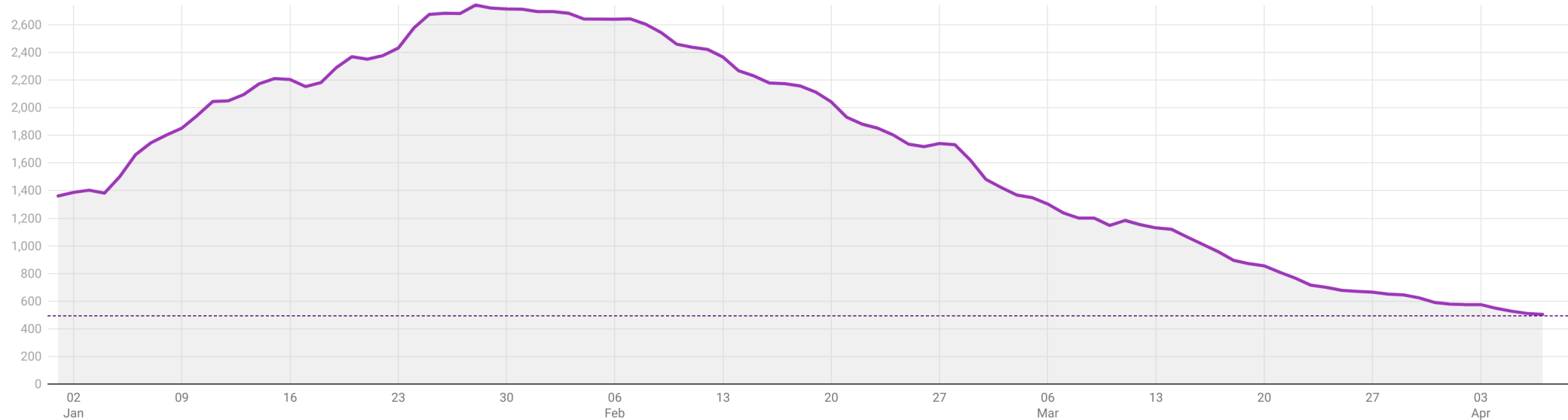


Chart: Health Industry Advisor LLC • Source: worldometers.info • Created with Datawrapper

Sources

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- ▶ Centers for Disease Control and Prevention, COVID Data Tracker <https://www.cdc.gov/covid-data-tracker/index.html#mobility>
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- ▶ U.S. Department of Health & Human Services: <https://healthdata.gov/dataset/covid-19-estimated-patient-impact-and-hospital-capacity-state>
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- ▶ Yale School of Public Health & Harvard TH Chan School of Public Health, <https://covidestim.org>