



"Strategic Advice in an Era of Unprecedented Change"

COVID19 VITAL SIGNS

ISSUE #369

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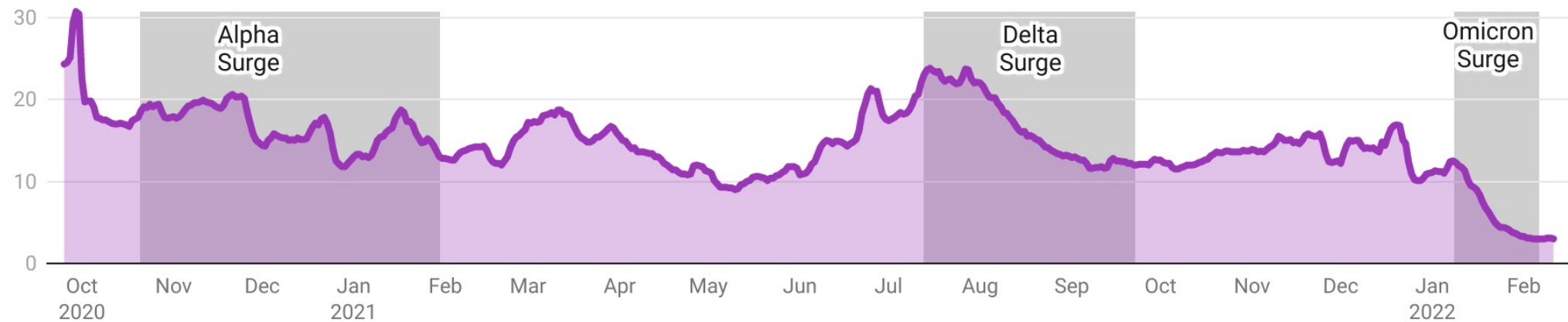
Highlights – Covid in the United States

- ▶ Infection severity fell during the Omicron surge compared to prior infection surges:
 - ▶ Half as many Covid cases required hospitalization during the Omicron surge as did in prior surge
 - ▶ Case fatality rates were 2-4x lower during the Omicron surge than the prior two surges.
 - ▶ At Omicron's peak, three people died for every 1,000 new cases. At Alpha and Delta's peak, twelve people died for every 1,000 new cases
- ▶ Covid deaths peaked two weeks ago, dropping 17% since
 - ▶ The 7-day death rate reached its lowest point in a month
 - ▶ An ensemble forecast predicts deaths will plunge another 25% in the next two weeks
- ▶ Covid admissions sank 50% since mid-January. Covid census followed suit, dropping nearly 40% in the past four weeks
 - ▶ Admissions dropped to the lowest point since the end of December
 - ▶ Covid admissions to New York hospitals plunged 74% since peaking in mid-January; to Ohio hospitals, 66%; and, to Pennsylvania hospitals, 63%
- ▶ Flu visits declined for the fourth straight week. Visits sank to a level lower for this time of year than seen in fourteen of the past fifteen seasons
- ▶ New Covid cases sank 75% in the past month
 - ▶ Cases reached the lowest level seen in nearly two months
 - ▶ An ensemble forecast predicts new cases will plunge another 60% in the next three weeks

The case fatality rate plunged during the Omicron surge.
The current rate sank to 4x lower than during the past two surges

Deaths / 1000 Cases

7-Day Average, Presumed 3 Week Lag From New Case to Death



Surge: Bottom-to-Peak Cases, with three-week lag for deaths

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

Deaths with Covid19 peaked two weeks ago, declining 17% thereafter. Forecasted deaths plunge 25% in the next three weeks

Actual Rate

Deaths With Coronavirus

7-Day Average, Through February 11

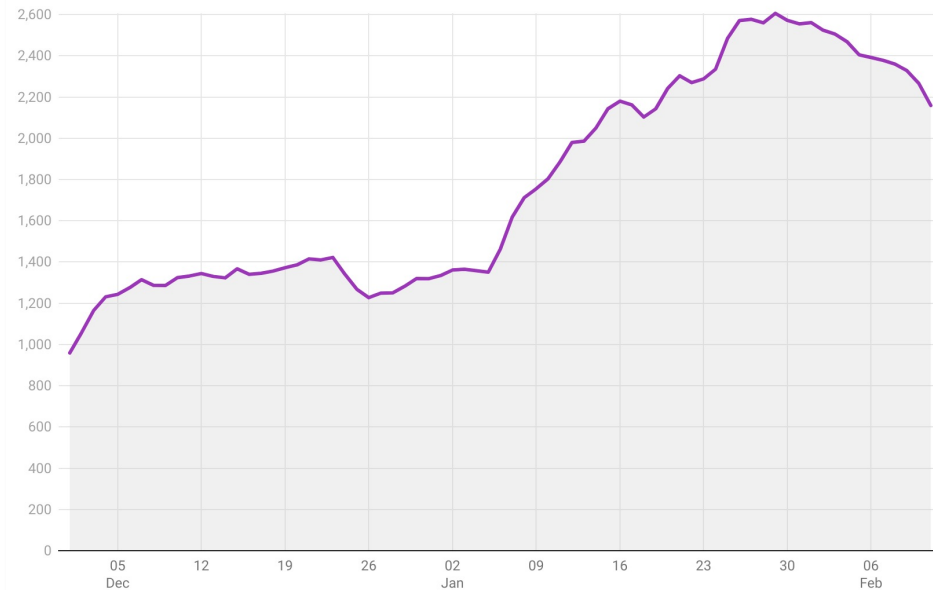
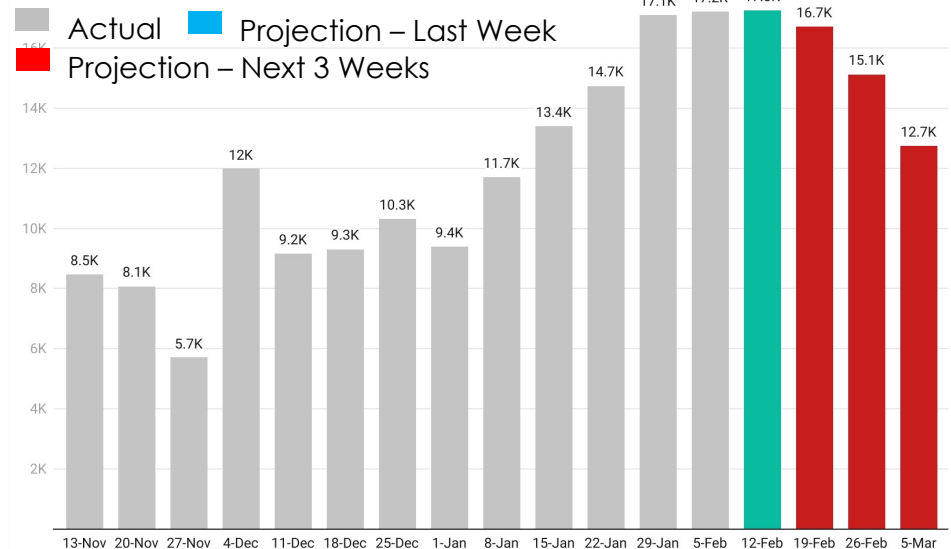


Chart: Health Industry Advisor LLC • Source: worldometers.info • Created with Datawrapper

Ensemble Forecast

Newly-Reported Deaths Per Week

Covid-19 Forecast Hub, Composite Forecast As of February 5



For the week ending on the date shown

Chart: Health Industry Advisor LLC • Source: Covid-19 Forecast Hub • Created with Datawrapper

Nationwide, Covid admissions sank 50% since mid-January. Admissions to New York hospitals dropped 74%; Ohio, hospitals, 64%

United States

Covid-19 Admissions & Census

7-Day Average, As of February 10

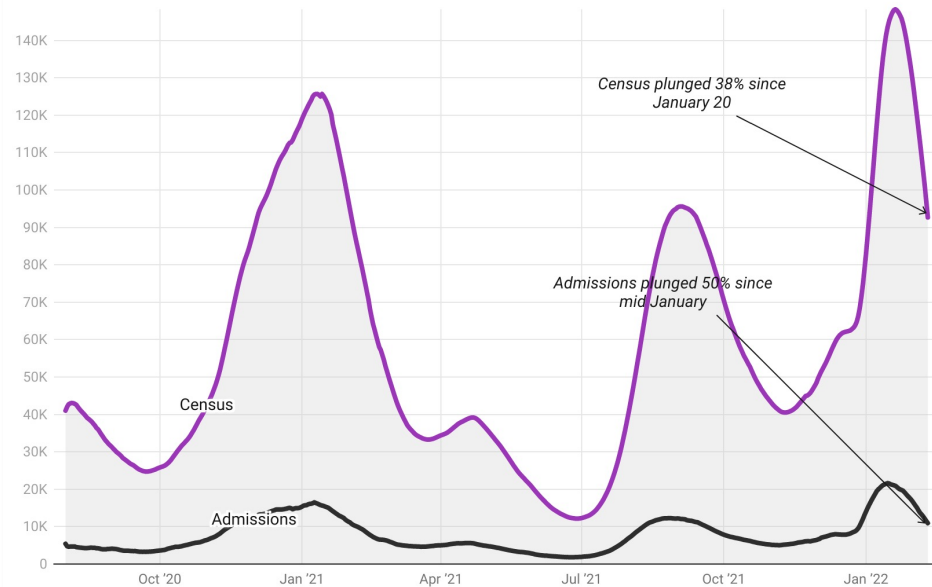
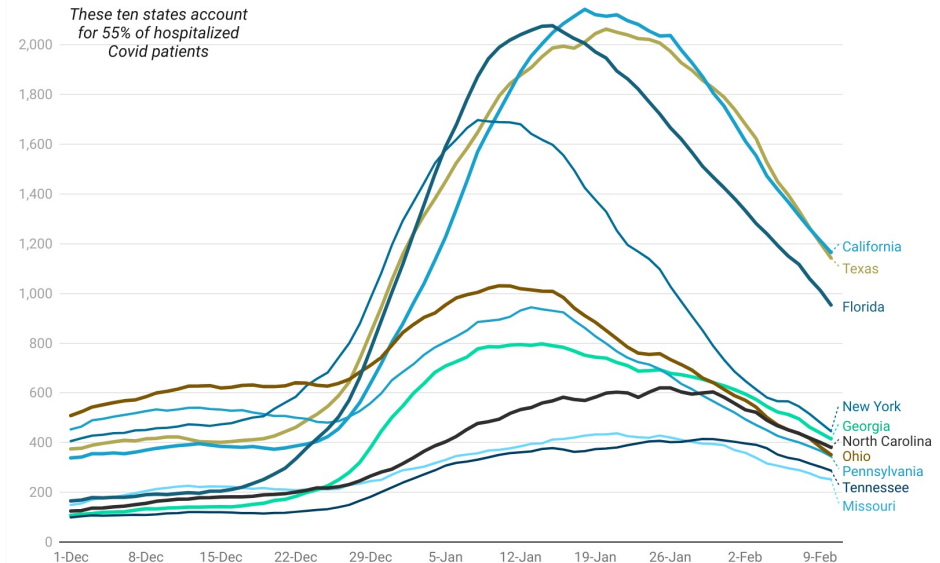


Chart: Health Industry Advisor LLC • Source: Centers for Disease Control and Prevention • Created with Datawrapper

10 States With Most Patients

Covid Admissions - States

7-Day Average



Ten states with most Covid patients, as of February 10

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

Hospital admission rates dropped by 2 to 4x during the Omicron surge in cases, compared to prior surges

Admissions / 1000 Cases

7-Day Average



Surge: Bottom-to-Peak

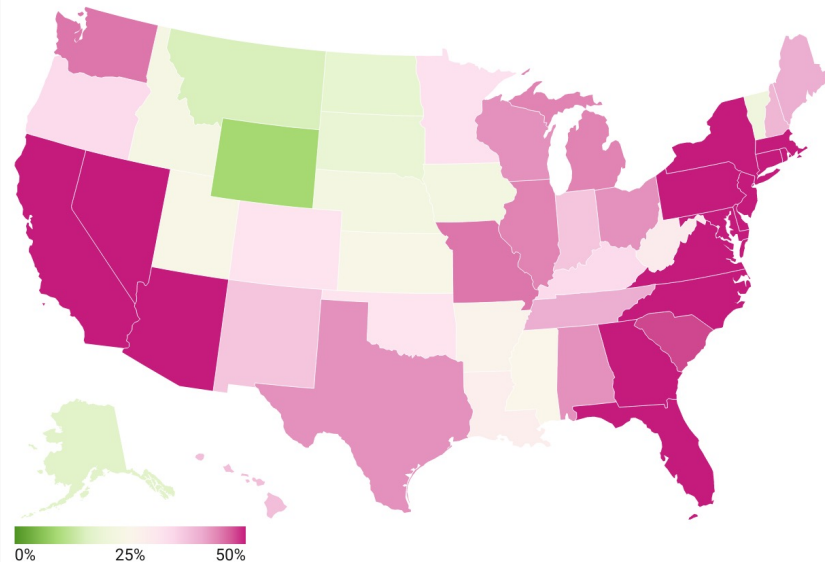
Chart: Health Industry Advisor LLC • Source: CDC, worldometers.info • Created with Datawrapper

Hospitals gained a measure of relief from Covid in recent weeks. Hospitals in Nevada and North Carolina face the most significant pressure currently

As of January 20

Covid-19 Patients As % of All Inpatient Beds

As of January 20

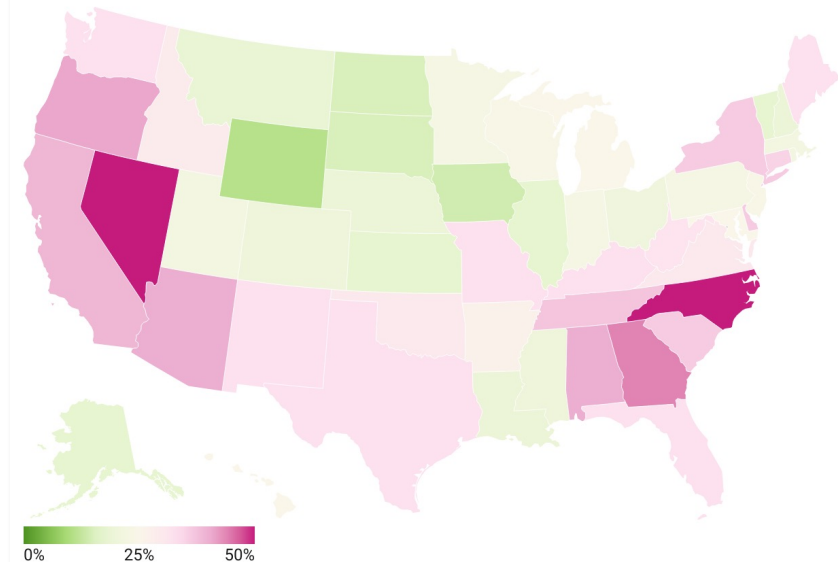


Map: Health Industry Advisor LLC • Source: Centers for Disease Control and Prevention • Created with Datawrapper

As of February 10

Covid-19 Patients As % of All Inpatient Beds

As of February 10

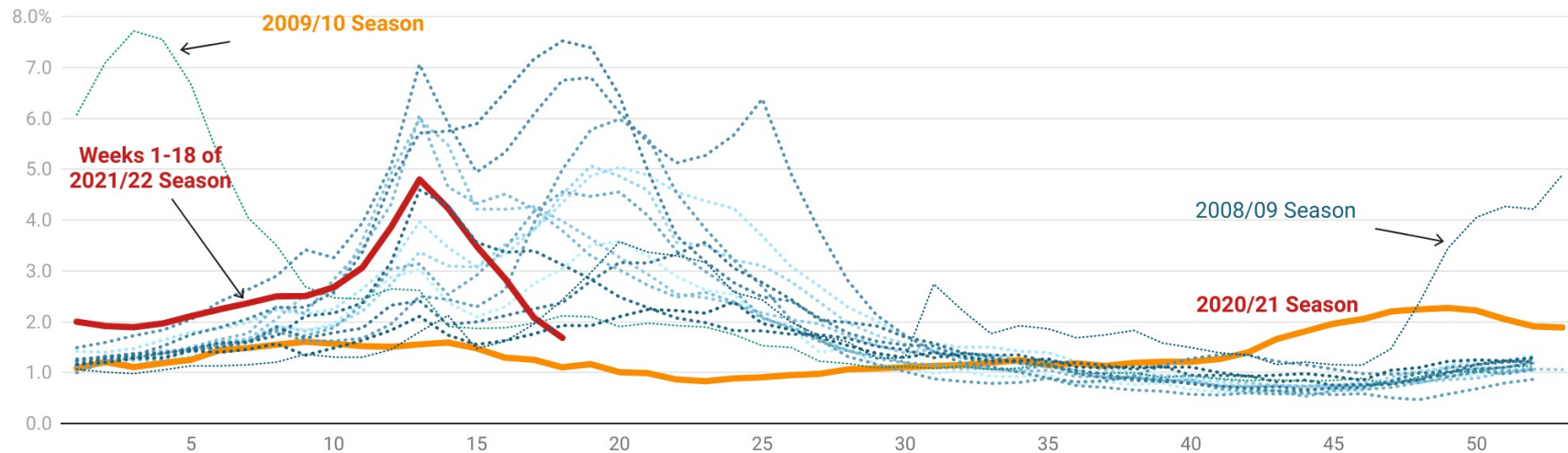


Map: Health Industry Advisor LLC • Source: Centers for Disease Control and Prevention • Created with Datawrapper

Flu visits dropped each of the last five weeks. In the latest week, flu visits dropped below where they were at this time in 14 of the past 15 years

Percentage Visits for Influenza-Like Illness, National Summary

Comparison of Last Fifteen Seasons



Reported by: U.S. WHO/NREVSS Collaborating Laboratories and ILINet

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

Cases sank 75% in the past month. The ensemble forecast predicts infections will plunge another 60% in the next three weeks

New Daily Cases / Million

7-Day Average

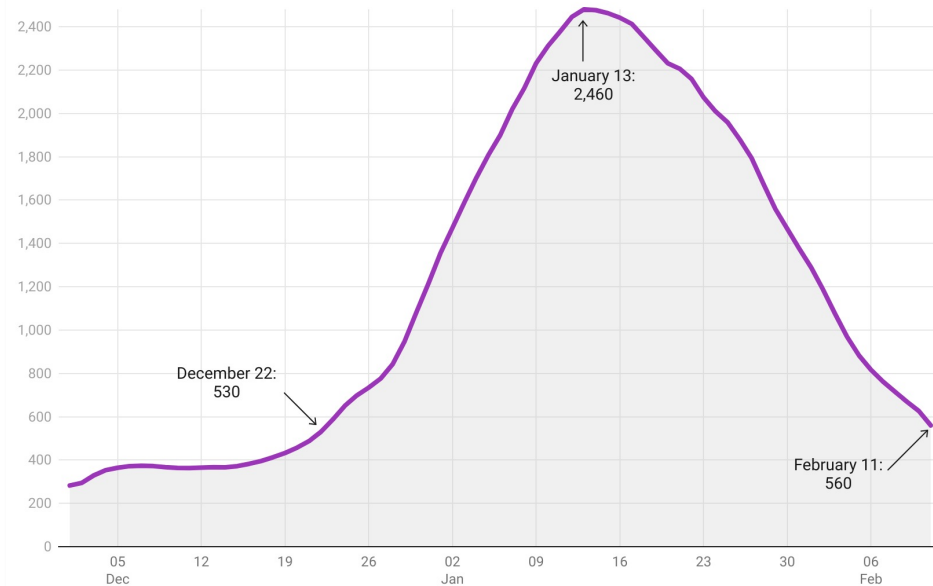
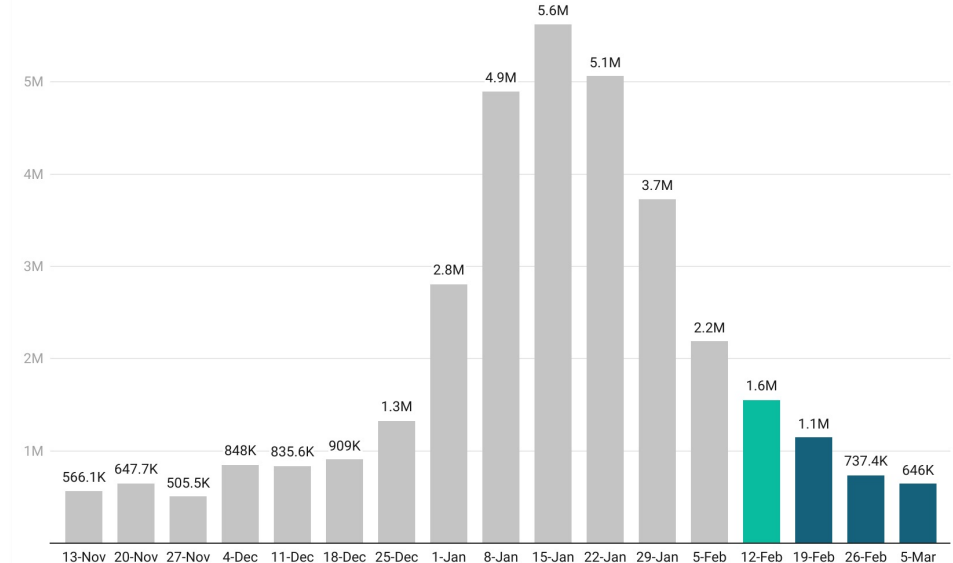


Chart: Health Industry Advisor LLC • Source: worldometers.info • Created with Datawrapper

Newly-Reported Cases Per Week

Covid-19 Forecast Hub, Composite Forecast As of February 5



For the week ending on the date shown

Chart: Health Industry Advisor LLC • Source: Covid-19 Forecast Hub • Created with Datawrapper

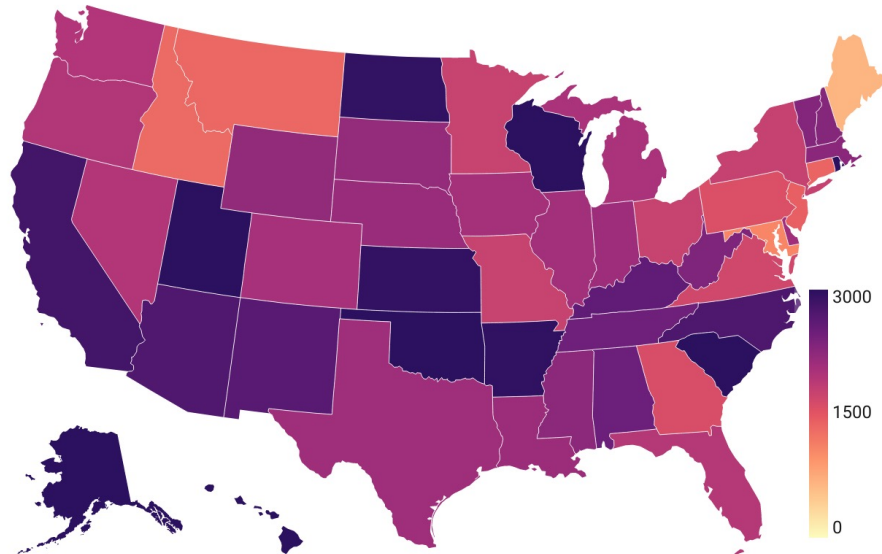
Source: Covid-19 Forecast Hub

New case rates plummeted across the country, as seen in this state-based view

As of January 21

New Cases / Million

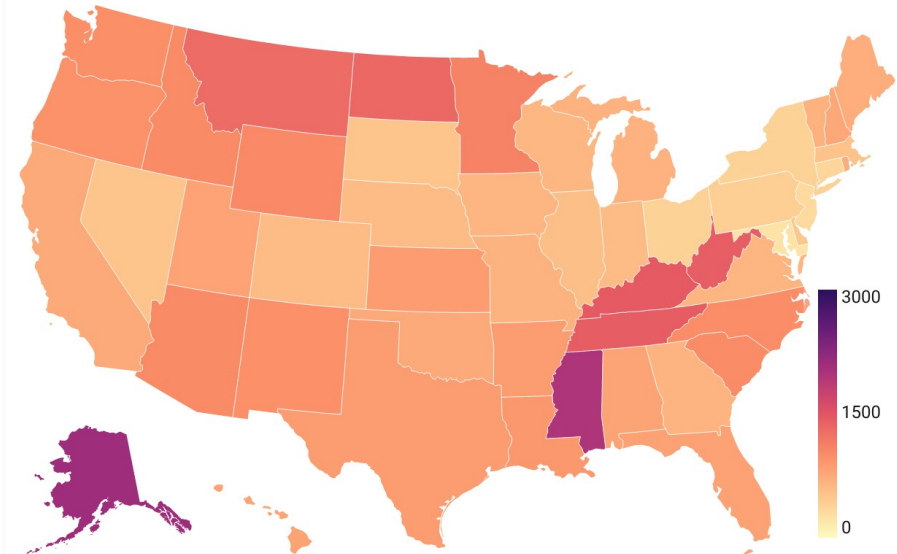
7-Day Average, As of January 21



As of February 11

New Cases / Million

7-Day Average, As of February 11

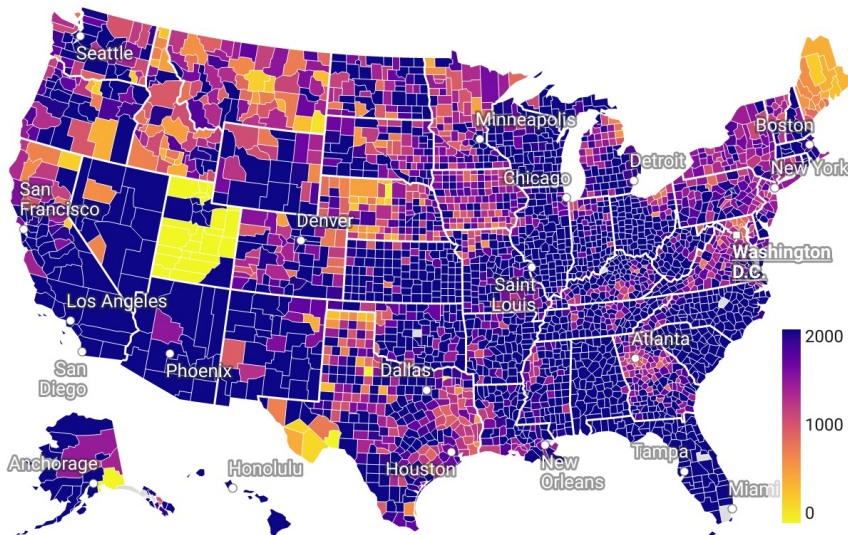


This municipality-based view illustrates the breadth of the decline in new case rates

As of January 21

New Daily Infections / Million

7-Day Average, As of January 21

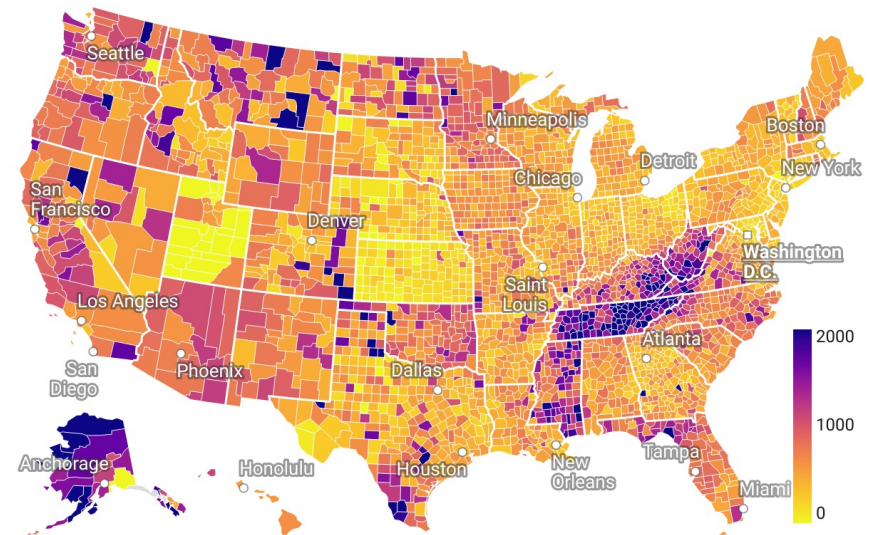


Map: Health Industry Advisor LLC • Source: Center for Systems Science and Engineering at Johns Hopkins University • Created with Datawrapper

As of February 11

New Daily Infections / Million

7-Day Average, As of February 11



Map: Health Industry Advisor LLC • Source: Center for Systems Science and Engineering at Johns Hopkins University • Created with Datawrapper

The test-positive rate fell 50% in the past month. However, this rate remains higher than public health officials recommend

Test-Positivity Rate

7-Day Average, Through February 5

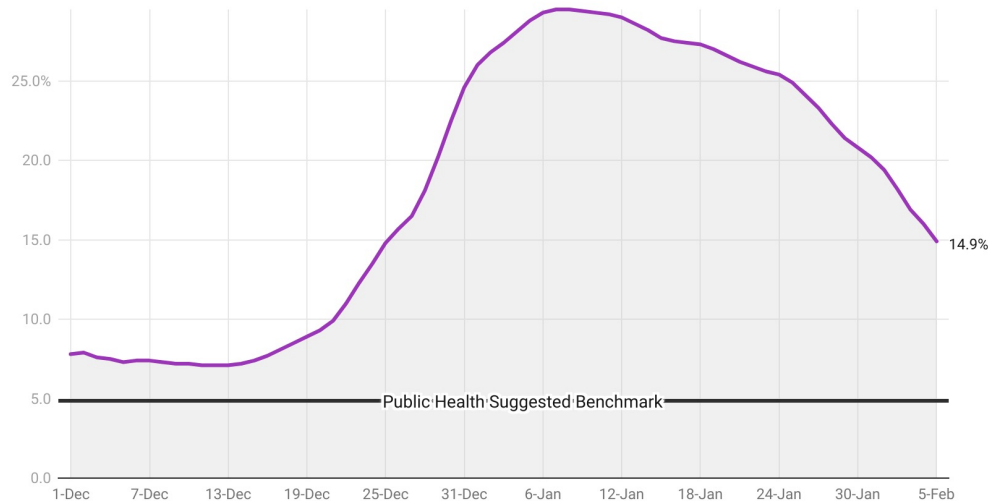
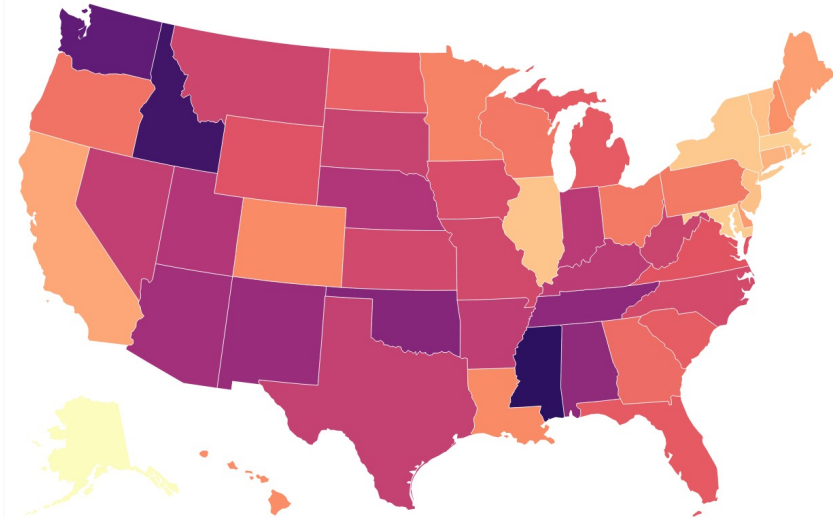


Chart: Health Industry Advisor LLC • Source: U.S. Department of Health & Human Services • Created with Datawrapper

Test Positivity %

7-Day Average, As of January 25

0% 20% 40%



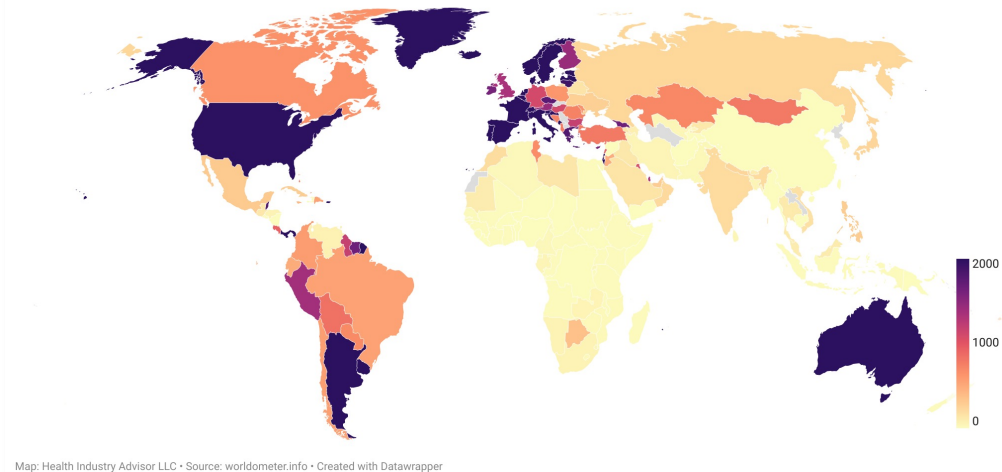
Map: Health Industry Advisor LLC • Source: U.S. Department of Health & Human Services • Created with Datawrapper

Case rates eased across the globe in the past three weeks. Among large countries, France posted the highest case rate last week, followed by Germany, Italy and Russia

As of January 21

New Daily Cases / Million

7-Day Average, As of January 21

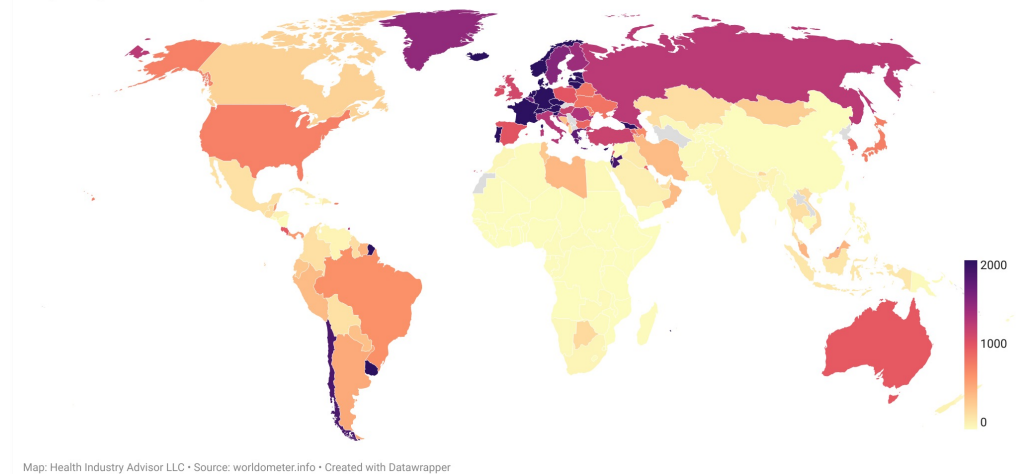


Map: Health Industry Advisor LLC • Source: worldometer.info • Created with Datawrapper

As of February 11

New Daily Cases / Million

7-Day Average, As of February 11

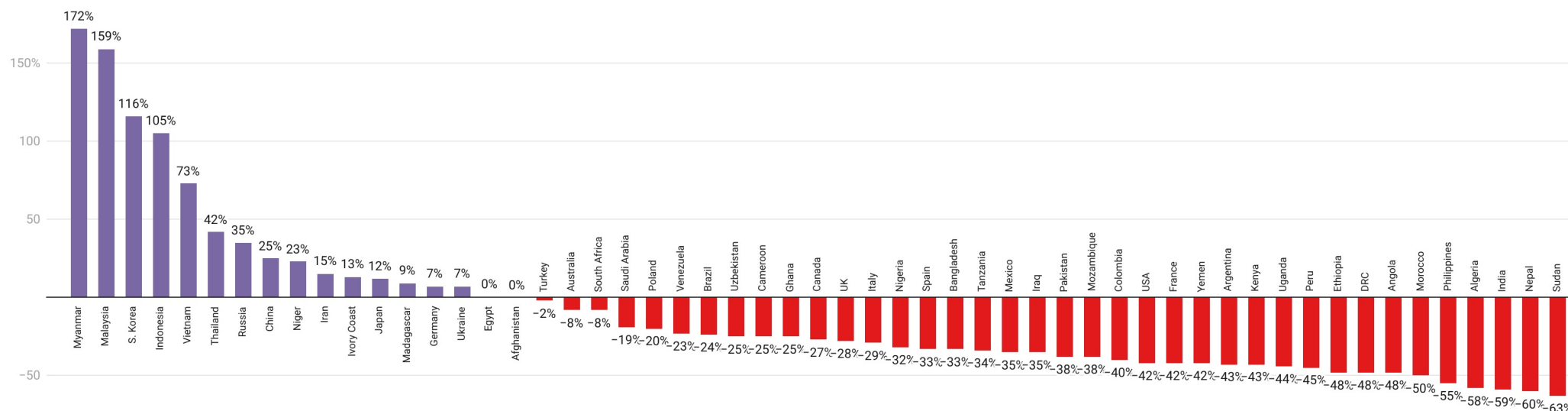


Map: Health Industry Advisor LLC • Source: worldometer.info • Created with Datawrapper

Covid cases doubled last week in Indonesia, Malaysia, Myanmar, and South Korea. However, cases declined in 2.5 times as many large countries as those in which cases increased

Weekly Increase (Decrease)% in New Cases

7-Day Average, As of February 11



All Countries With 25M+ population

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

Sources

- ▶ Bloomberg Vaccine Trackers, <https://www.bloomberg.com/graphics/covid-vaccine-tracker-global-distribution/?sref=Z0b6TmH>
- ▶ Centers for Disease Control and Prevention, COVID Data Tracker <https://www.cdc.gov/covid-data-tracker/index.html#mobility>
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