



"Strategic Advice in an Era of Unprecedented Change"

COVID19 VITAL SIGNS

ISSUE #370

MONDAY, FEBRUARY 21, 2022

Highlights – Covid in the United States

- Covid Admissions
 - Fell 28% in last 7 days
 - Down 64% since recent (Omicron) peak
 - Reached lowest level since December 10
 - Expected to decline 50+% in next few weeks
- Covid Patient Days (Census)
 - Fell 25% in last 7 days
 - Down 53% since recent (Omicron) peak
 - Reached lowest level since December 28
 - Expected to decline 50+% in next few weeks
- Reported Covid Cases
 - Fell 49% in last 7 days
 - Down 88% since recent (Omicron) peak
 - Reached lowest level since December 3
 - Expected to decline 30-50% in next few weeks
 - Cases plunged 75% or more from Omicron peak in 45 of the 50 states
 - Seventeen states reached 5-to-6-months lows in case rates

- Deaths With Covid
 - Fell 15% in last 7 days
 - Down 27% since recent (Omicron) peak
 - Reached lowest level since January 11
 - Expected to decline 30% in next few weeks
- Test-Positive Rate
 - Fell 35% in last 7 days
 - Down 70% since recent (Omicron) peak
 - Reached lowest level since December 19

Data are each 7-day averages

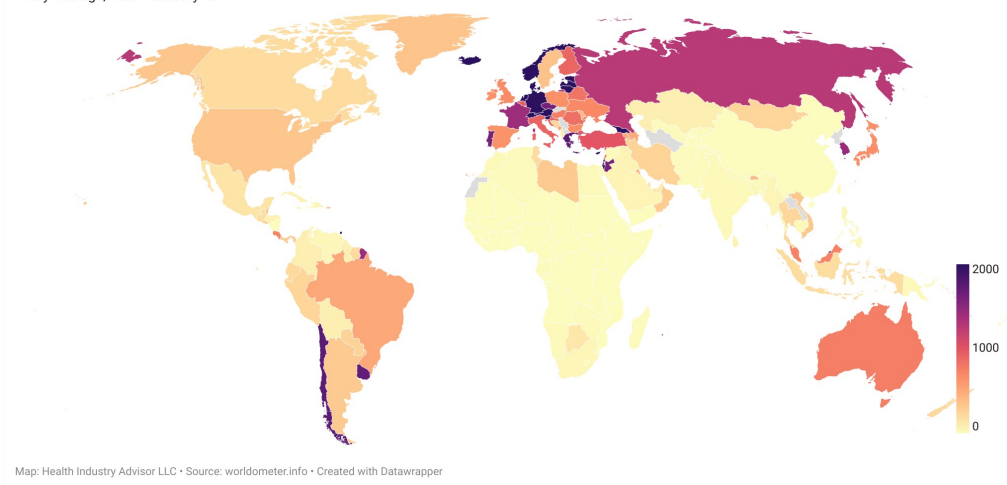
Time periods (all represent latest available complete data):

- Admissions and Patient Days, as of February 17
- Cases and Deaths, as of February 18
- Test-Positive, as of February 14

Case rates eased across the globe in the past week.
Germany posted the highest rate among large countries,
followed by South Korea, France, and Russia

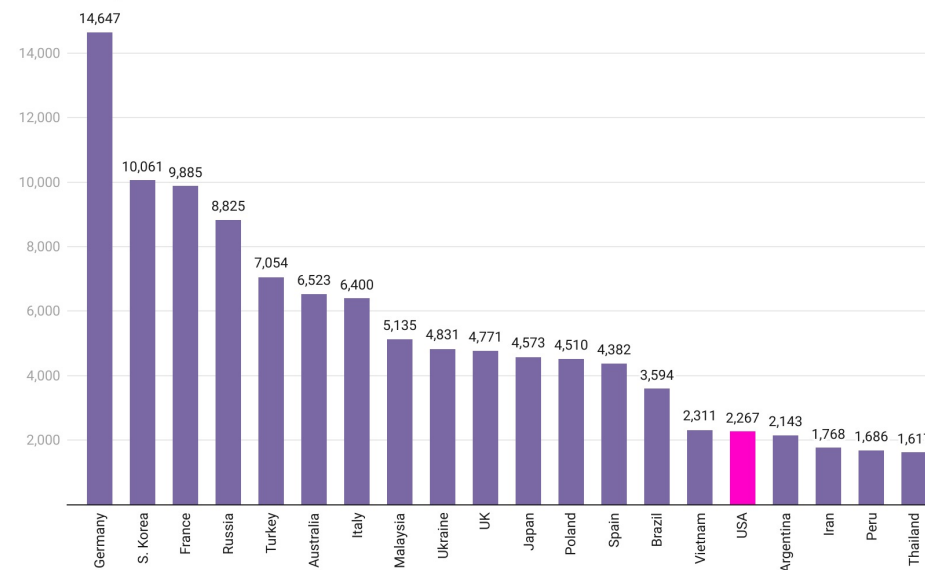
New Daily Cases / Million

7-Day Average, As of February 18



Highest Current Rates: Weekly New Cases / Million

As of February 18



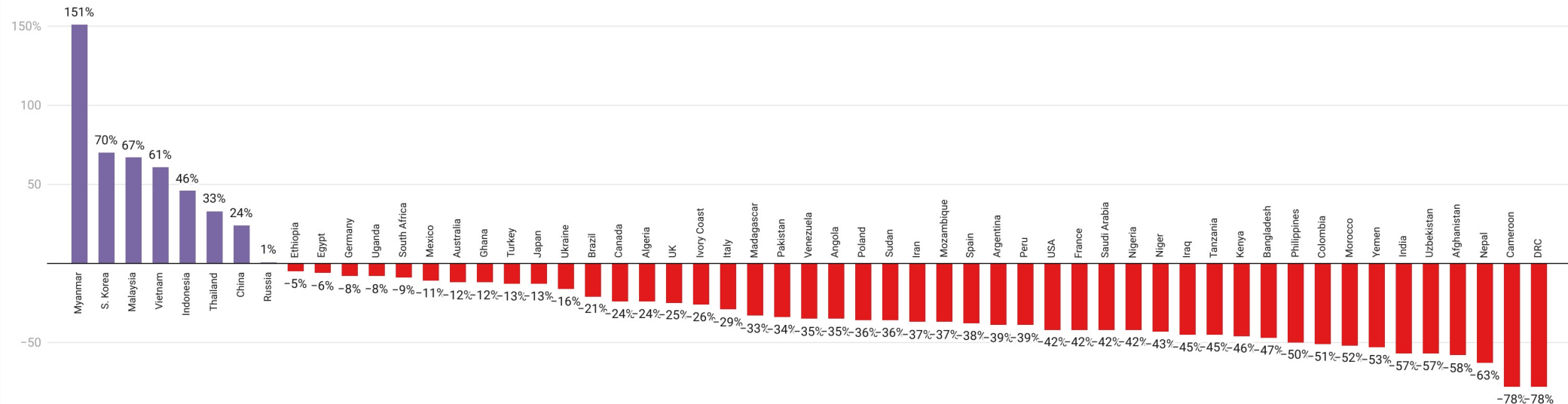
Countries With 25M+ population

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

Covid cases surged last week in Malaysia, Myanmar, South Korea, and Vietnam. However, cases declined in most large countries

Weekly Increase (Decrease)% in New Cases

7-Day Average, As of February 18



All Countries With 25M+ population

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

Cases tumbled 88% in the past five weeks. The ensemble forecast predicts infections will retreat another 30% in the next three weeks

New Daily Cases / Million

7-Day Average

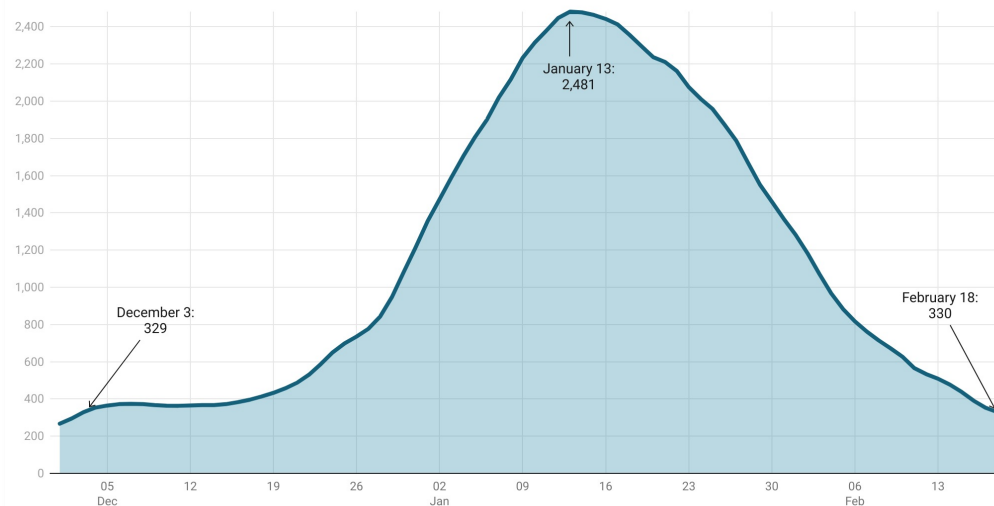
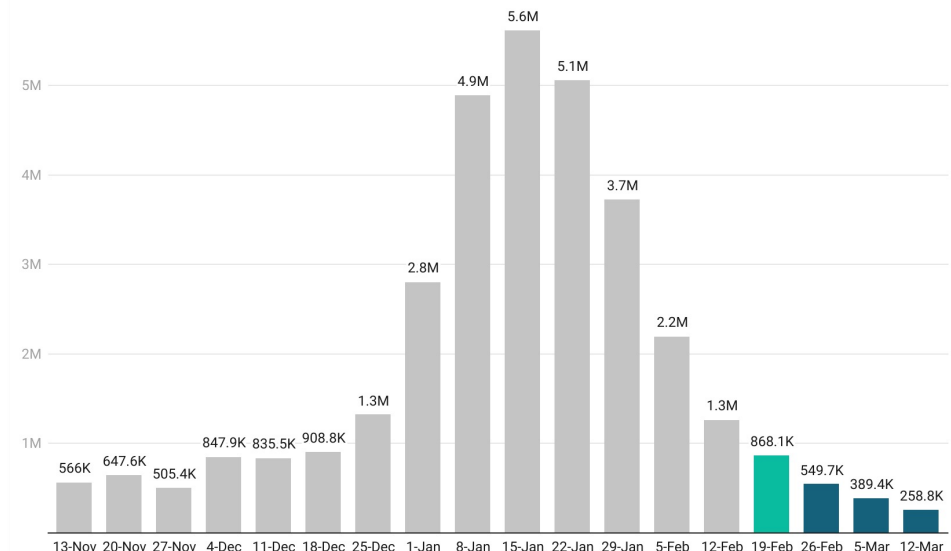


Chart: Health Industry Advisor LLC • Source: worldometers.info • Created with Datawrapper

Newly-Reported Cases Per Week

Covid-19 Forecast Hub, Composite Forecast As of February 12



For the week ending on the date shown

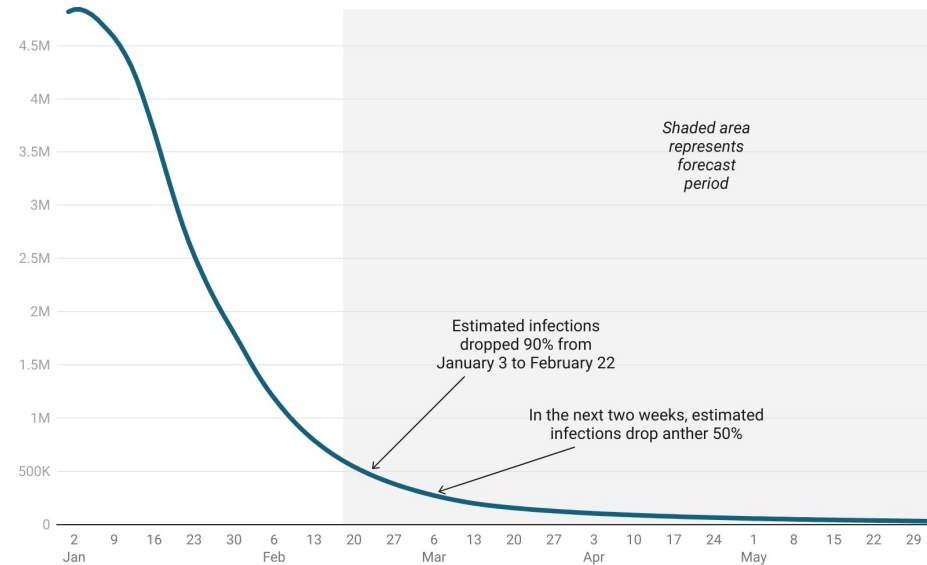
Chart: Health Industry Advisor LLC • Source: Covid-19 Forecast Hub • Created with Datawrapper

Source: Covid-19 Forecast Hub

IHME predicts cases may drop another 50% in next two weeks; admissions and patient days, more than 50% in that time

Estimated and Projected Infections - U.S.

Institute For Health Metrics and Evaluation

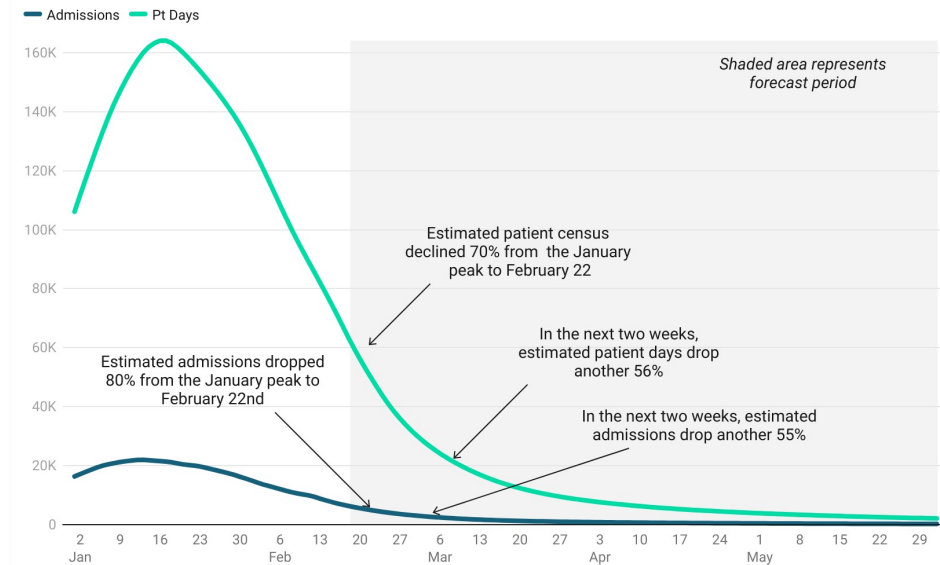


Forecast Date: February 18

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

Estimated & Projected Hospital Covid-19 Admissions & Patient Days

Institute for Health Metrics and Evaluation



Forecast Date: February 18

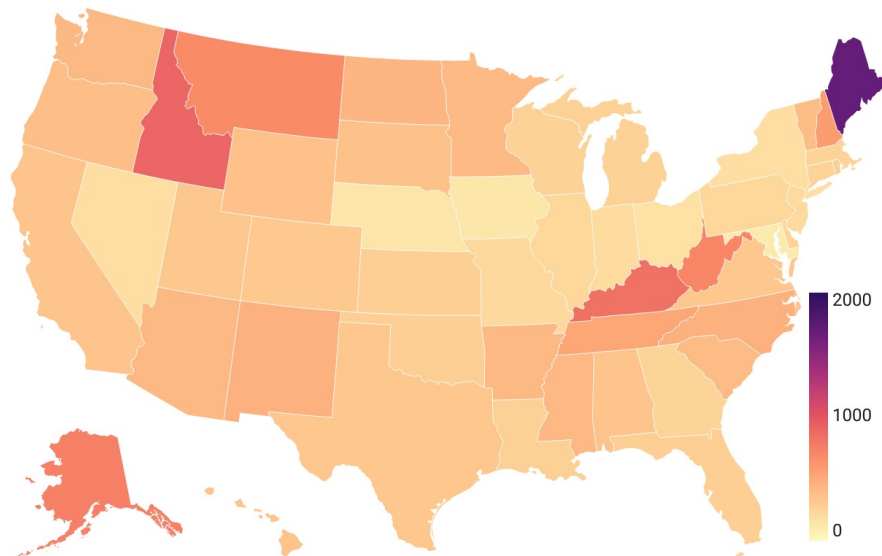
Chart: Health Industry Advisor LLC • Source: Institute for Health Metrics and Evaluation • Created with Datawrapper

New case rates plummeted across much of the country.
Maine reported the highest case rate of all states

State View

New Cases / Million

7-Day Average, As of February 18

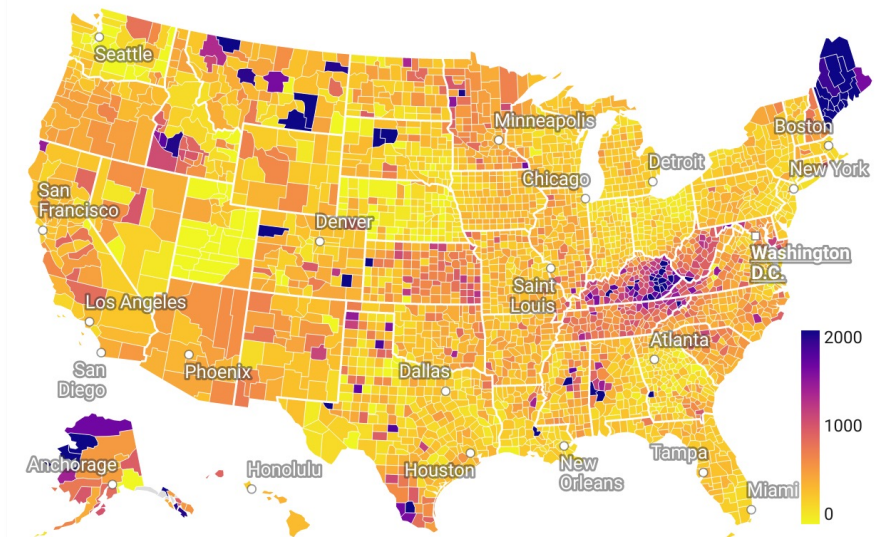


Map: Health Industry Advisor LLC • Source: worldometers.info • Created with Datawrapper

Municipality View

New Daily Infections / Million

7-Day Average, As of February 18

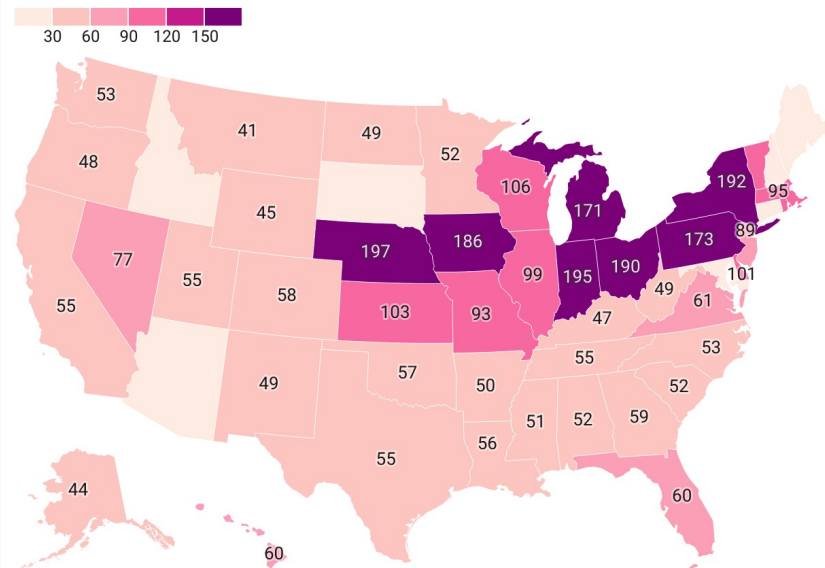


Map: Health Industry Advisor LLC • Source: Center for Systems Science and Engineering at Johns Hopkins University • Created with Datawrapper

New case rates in seventeen states fell to pre-Omicron levels. Current rates tumbled to 5-to-6-month lows in Indiana, Michigan, Nebraska, New York, Ohio, and Pennsylvania. Rates in all except five states have plunged 75+% from Omicron peak

Number of Days Since Cases Have Been As Low As Now

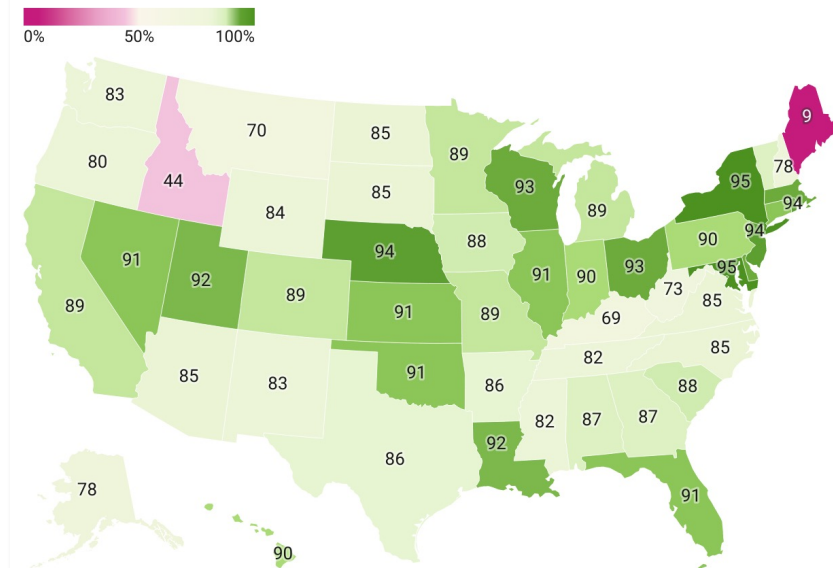
7-Day New Case / M, As of February 18



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

% Decline in New Daily Cases Since Omicron Peak

7-Day New Case / M, As of February 18



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

Nationwide, Covid admissions sank by one-fourth in the past week and two-thirds since peaking in mid-January. Census eased by one-quarter last week and by one-half since its recent peak

Covid-19 Admissions & Census

7-Day Average, As of February 17

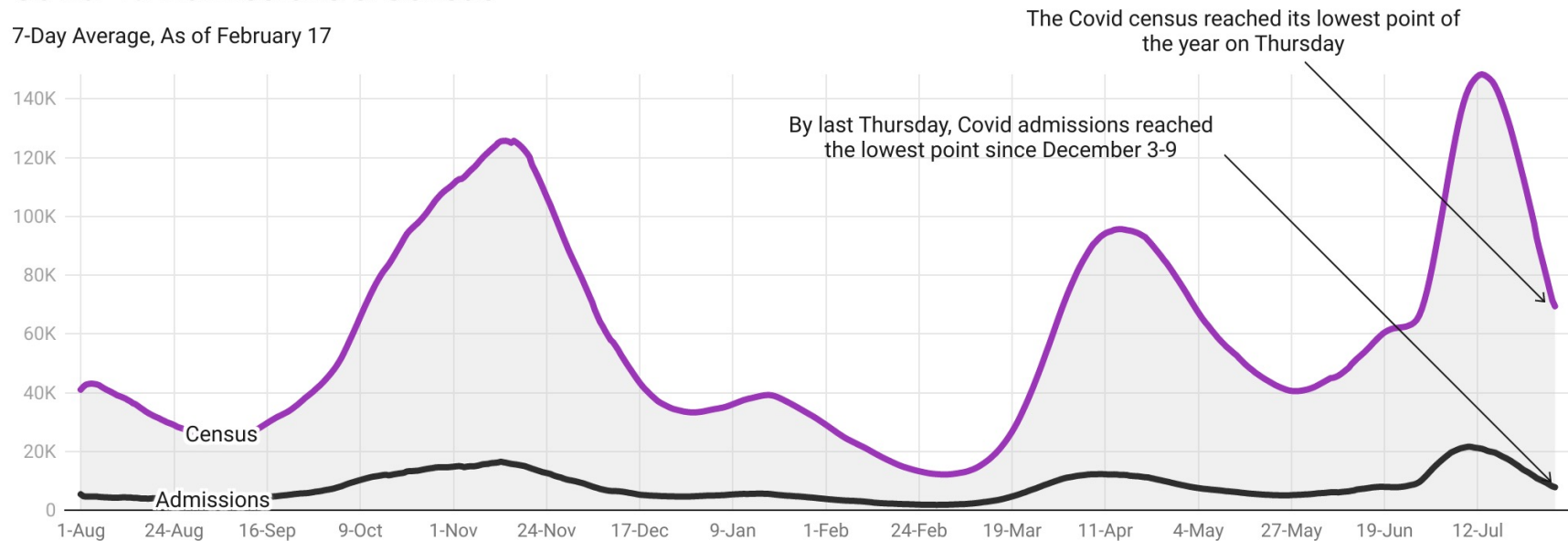


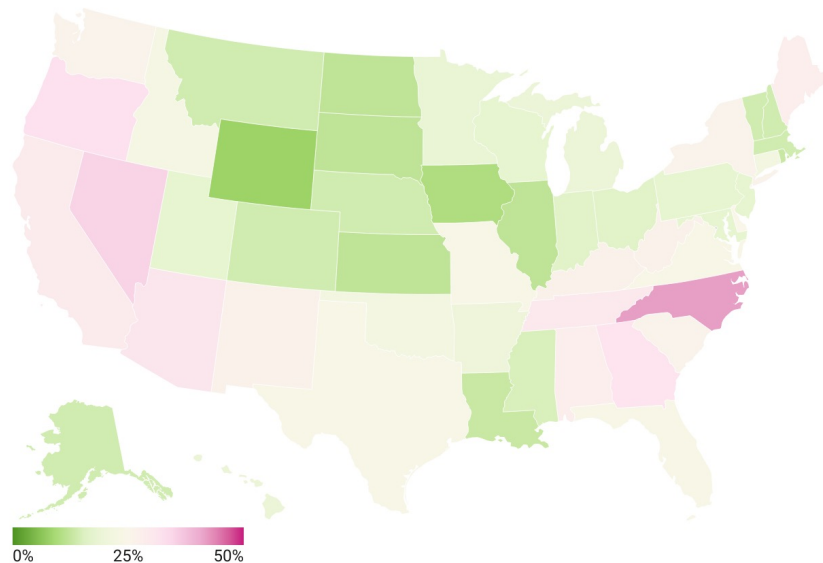
Chart: Health Industry Advisor LLC • Source: Centers for Disease Control and Prevention • Created with Datawrapper

Covid patients occupied one of every 4.5 beds in the United States last week. A week earlier, these patients required one of every four beds; a month ago, every other bed

As of February 17

Covid-19 Patients As % of All Inpatient Beds

As of February 17

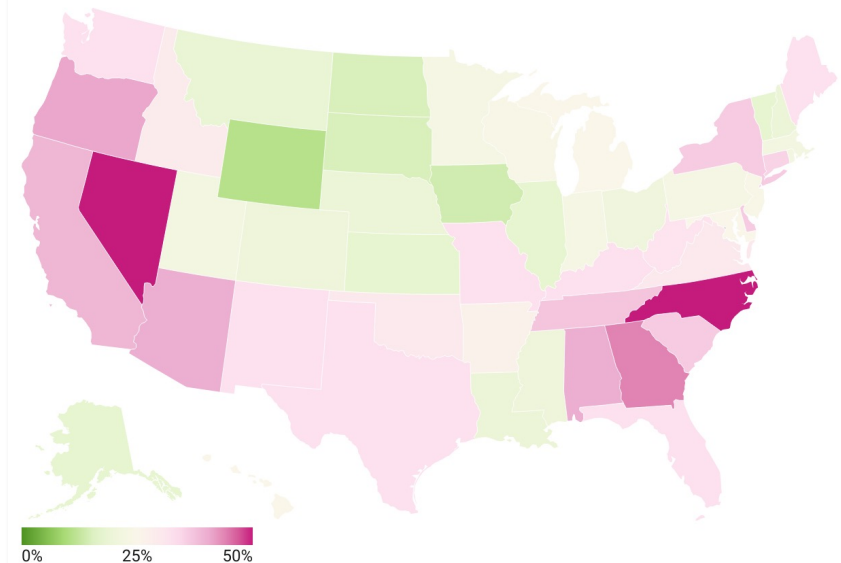


Map: Health Industry Advisor LLC • Source: Centers for Disease Control and Prevention • Created with Datawrapper

As of February 10

Covid-19 Patients As % of All Inpatient Beds

As of February 10

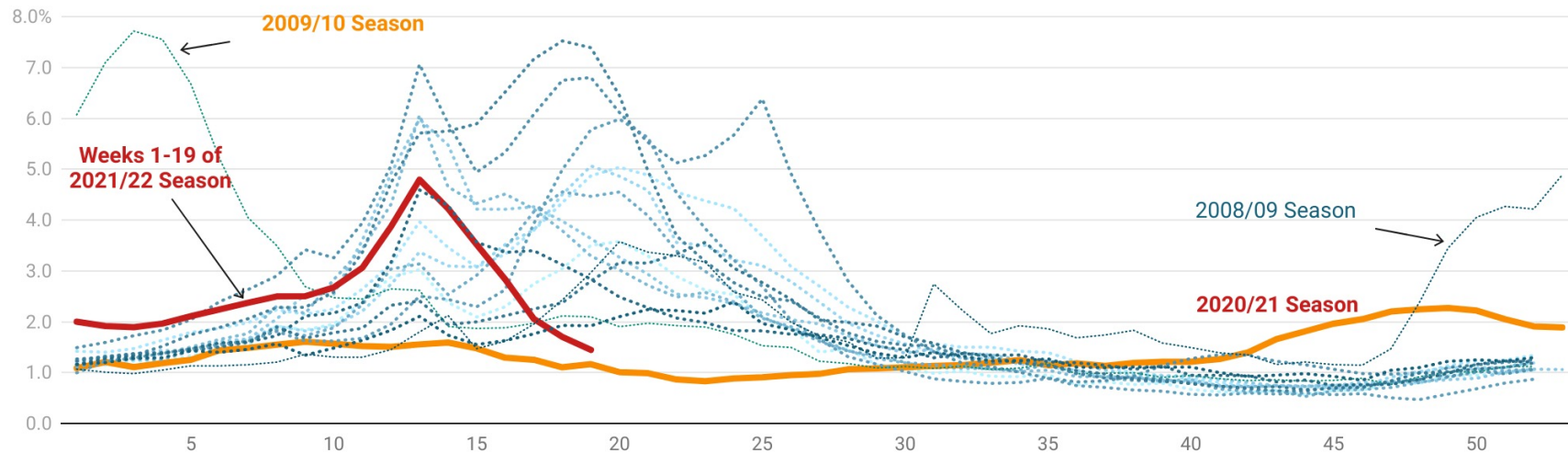


Map: Health Industry Advisor LLC • Source: Centers for Disease Control and Prevention • Created with Datawrapper

Flu visits declined each of the last six weeks. In the past two weeks, flu visits fell 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

The test-positive rate dipped below 10%. This rate reached its lowest level since December 19

Test-Positivity Rate

7-Day Average, Through February 14

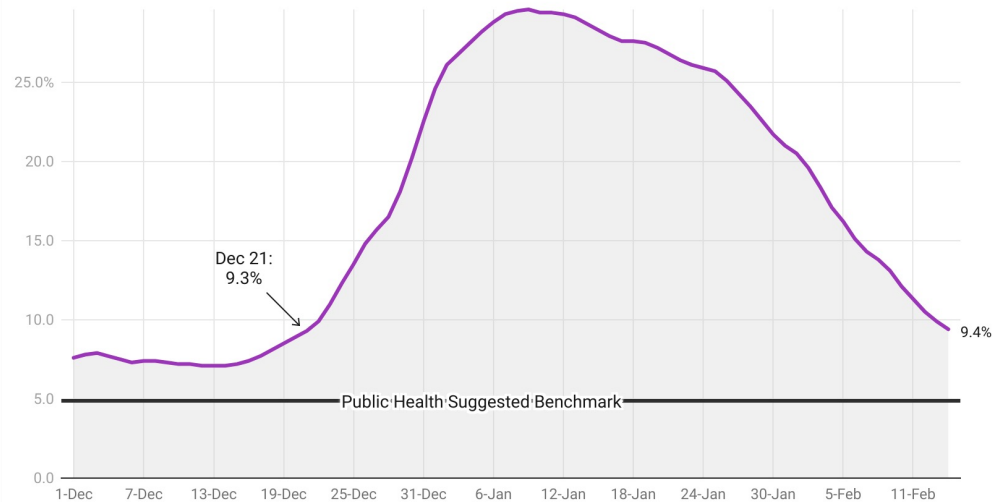
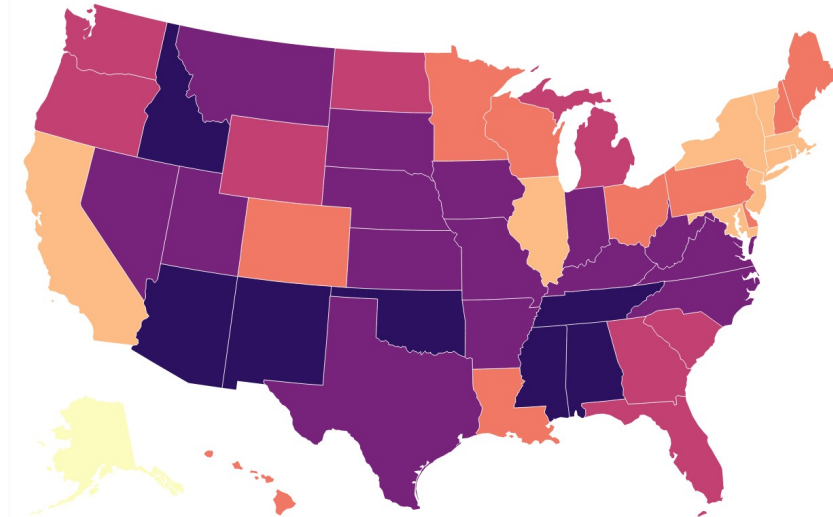
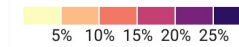


Chart: Health Industry Advisor LLC • Source: U.S. Department of Health & Human Services • Created with Datawrapper

Test Positivity %

7-Day Average, As of February 14



Deaths with Covid19 peaked three weeks ago, declining 27% thereafter. Forecasted deaths recede 30% in the next three weeks

Actual Rate

Deaths With Coronavirus

7-Day Average, Through February 18

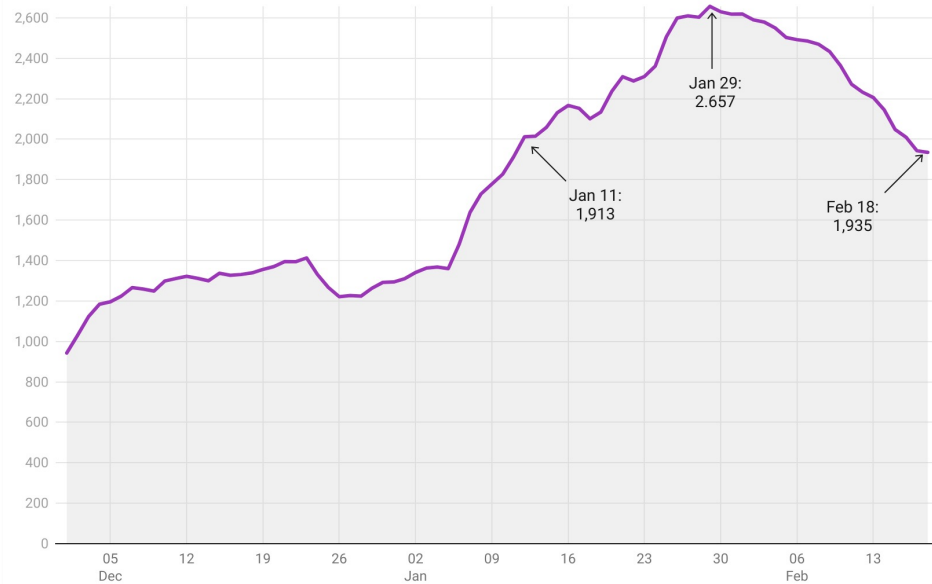
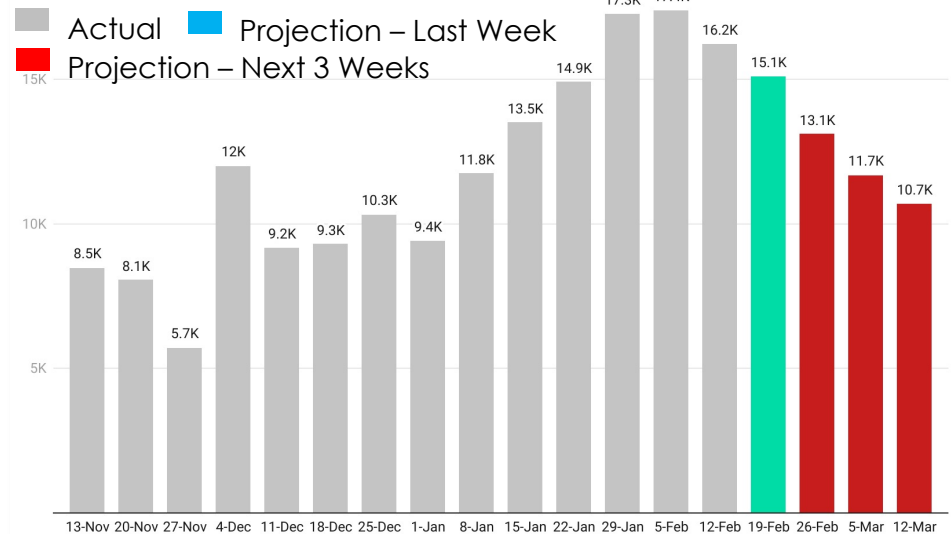


Chart: Health Industry Advisor LLC • Source: worldometers.info • Created with Datawrapper

Ensemble Forecast

Newly-Reported Deaths Per Week

Covid-19 Forecast Hub, Composite Forecast As of February 12



For the week ending on the date shown

Chart: Health Industry Advisor LLC • Source: Covid-19 Forecast Hub • 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>
- ▶ Centers for Disease Control and Prevention, COVID-19 Laboratory-Confirmed Hospitalizations https://gis.cdc.gov/grasp/COVIDNet/COVID19_5.html
- ▶ Centers for Disease Control and Prevention, National, Regional, and State Level Outpatient Illness and Viral Surveillance <https://gis.cdc.gov/grasp/fluview/fluportaldashboard.html>
- ▶ Centers for Disease Control and Prevention, Vaccines, <https://www.cdc.gov/coronavirus/2019-ncov/vaccines/index.html>
- ▶ COVID-19 Data Repository by the Center for Systems Science and Engineering (CSSE) at Johns Hopkins University <https://github.com/CSSEGISandData/COVID-19>
- ▶ Covid-19 Forecast Hub, <https://viz.covid19forecasthub.org>
- ▶ COVID-19 Projections Using Machine Learning, <https://covid19-projections.com>
- ▶ Institute for Health Metrics and Evaluation, COVID-19 estimate downloads <http://www.healthdata.org/covid/data-downloads>
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- ▶ Our World In Data, <https://ourworldindata.org/covid-vaccinations>
- ▶ U.S. Department of Health & Human Services <https://beta.healthdata.gov/dataset/COVID-19-Diagnostic-Laboratory-Testing-PCR-Testing/j8mb-icvb>
- ▶ U.S. Department of Health & Human Services: <https://healthdata.gov/dataset/covid-19-estimated-patient-impact-and-hospital-capacity-state>
- ▶ Worldometers.info: <https://www.worldometers.info/coronavirus/>
- ▶ Yale School of Public Health & Harvard TH Chan School of Public Health, <https://covidestim.org>