



"Strategic Advice in an Era of Unprecedented Change"

COVID19 VITAL SIGNS

ISSUE #373

MONDAY, MARCH 14, 2022

Highlights – As of March 11

U.S. View

- ▶ 98% of the U.S. population lives in a county designated Low or Medium Community Level (CDC), up from 90% a week ago and 70% two weeks ago
- ▶ Cases fell again last week, by 23% from the prior week and by 96% in the last eight weeks. However, the rate of decline in cases has slowed over the past month
- ▶ Experts anticipate cases dropping another 36% in the next two weeks but increasing 12% during the last week of March
- ▶ Covid admissions and patient census fell 28% last week and by 84-86% in the past eight weeks
- ▶ Deaths with Covid dropped 25% last week and 60% in the past eight weeks
- ▶ Experts predict deaths will decline another 50% in the next three weeks
- ▶ The test-positive rate fell below 3% for the first time since last July. This rate peaked at nearly 30% in early January

Global View

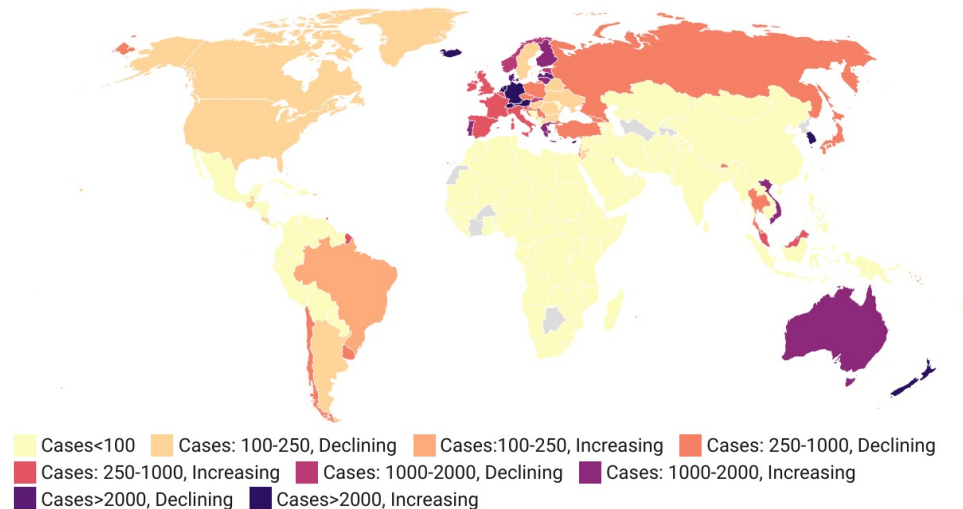
- ▶ Globally, cases dropped 16% week-over-week
- ▶ However, European countries faced high and, in many instances, increasing case rates
- ▶ Austria, France, Germany, Greece, Italy, and the United Kingdom each had more than 750 daily cases per million and double-digit week-over-week increases in cases
- ▶ Indeed, Austria, Germany, and South Korea are the only countries globally that posted more than 2,000 cases per day per million and increasing cases week-over-week
- ▶ Denmark, Hong Kong, and Latvia are the only countries that posted more than 2,000 cases per million and declining cases week-over-week
- ▶ Globally, deaths with Covid fell 16% week-over-week
- ▶ Only nine countries worldwide posted more deaths week-over-week, after recording at least 100 deaths a week ago
- ▶ Hong Kong suffered five times as many deaths per capita last week as the second-highest country, Denmark

Covid outbreaks spread throughout Europe last week, as well as Asia and Oceania. Cases fell 24% in the U.S., to 108 cases per million

Global View

Virus Spread

Daily Cases per Million ("Cases") & Weekly Change in Cases



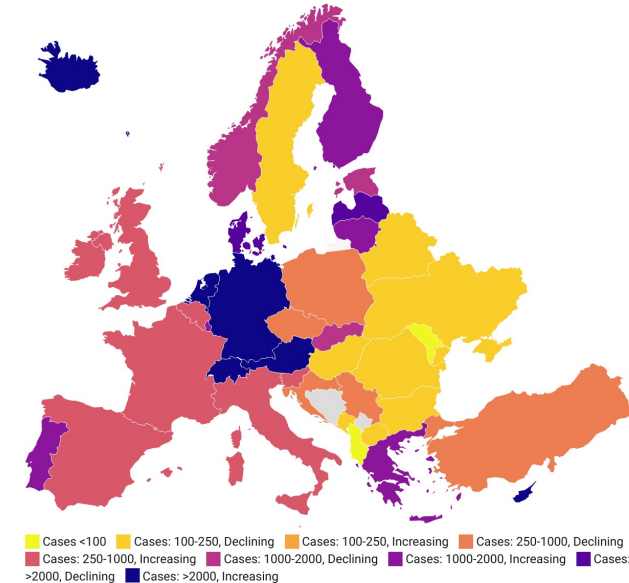
7-Day Average, As of March 10

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

European View

Virus Spread

Daily Cases / M ("Cases") and % Weekly Changes in Cases



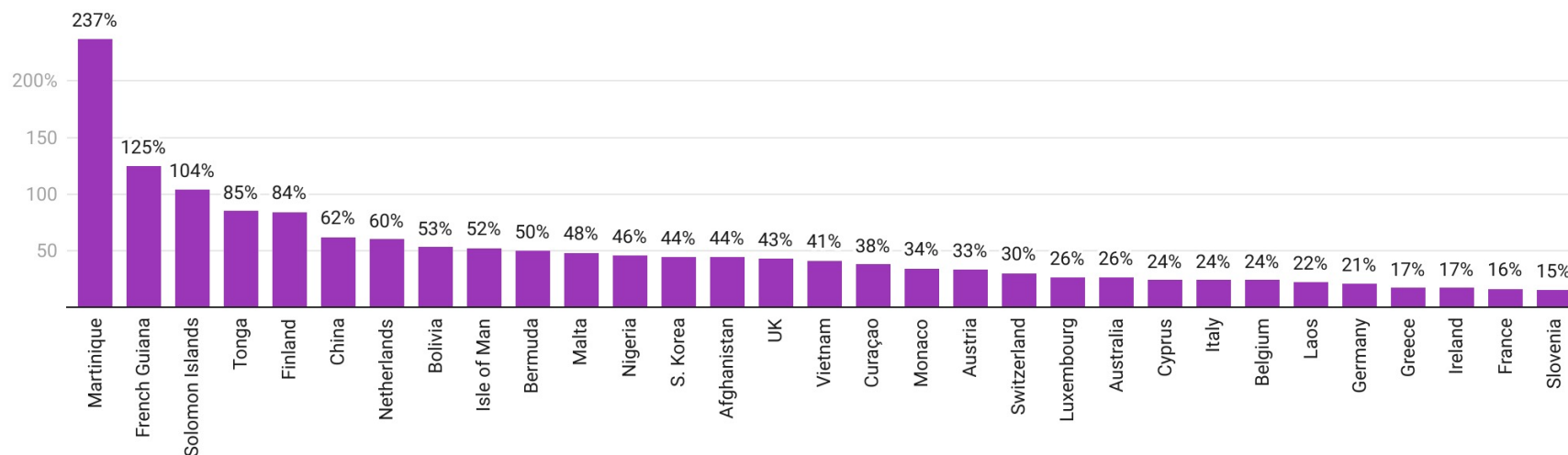
7-day average, as of March 10

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

Cases tripled last week in Martinique and doubled in French Guiana and the Solomon Islands. Fifteen European countries witnessed weekly increases > 15%

Week-over-Week Increase in Covid Cases

As of March 10



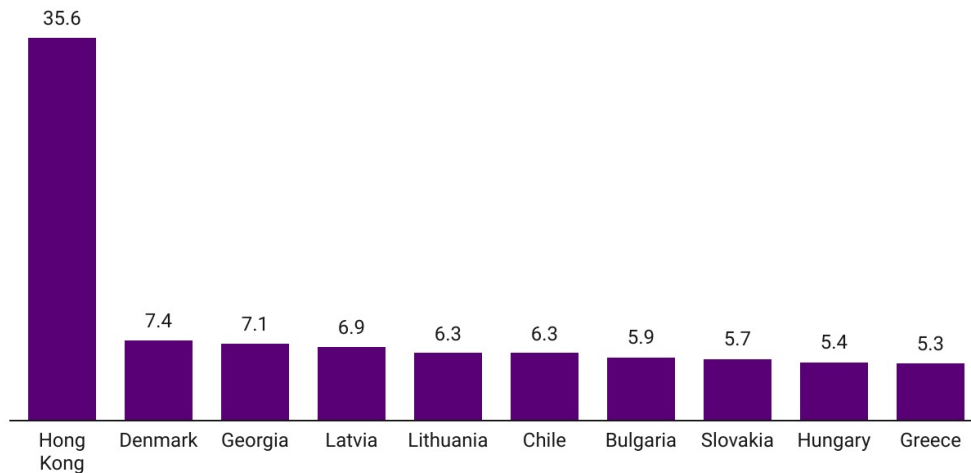
Countries with a minimum of 100 daily cases prior week

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

Hong Kong, South Korea, Thailand, and the United Kingdom suffered large weekly increases in deaths. Hong Kong's per capita death rate surpassed every other country's rate. Globally, Covid deaths declined 16%

Covid Deaths per Day per Million Population

7-Day Average, As of March 10

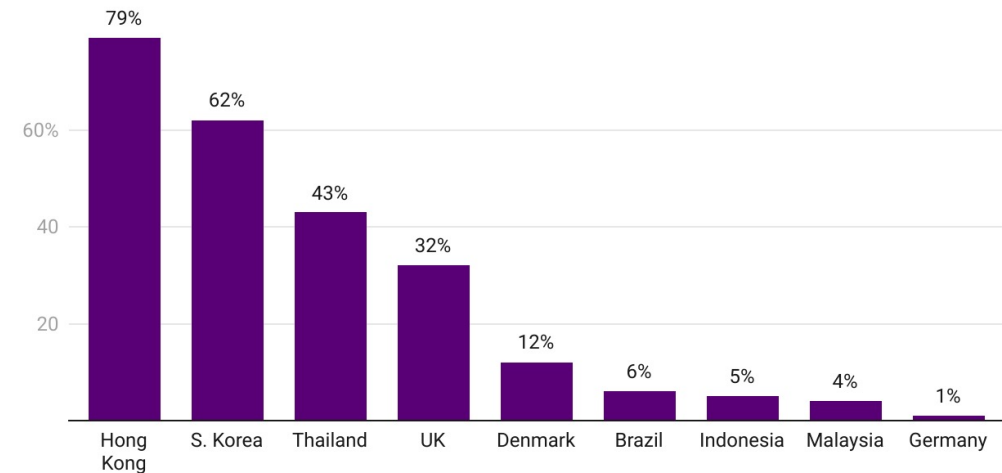


Countries with a minimum of 100 deaths prior week

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

Week-Over-Week Increase in Covid Deaths

7-Day Average, As of March 10

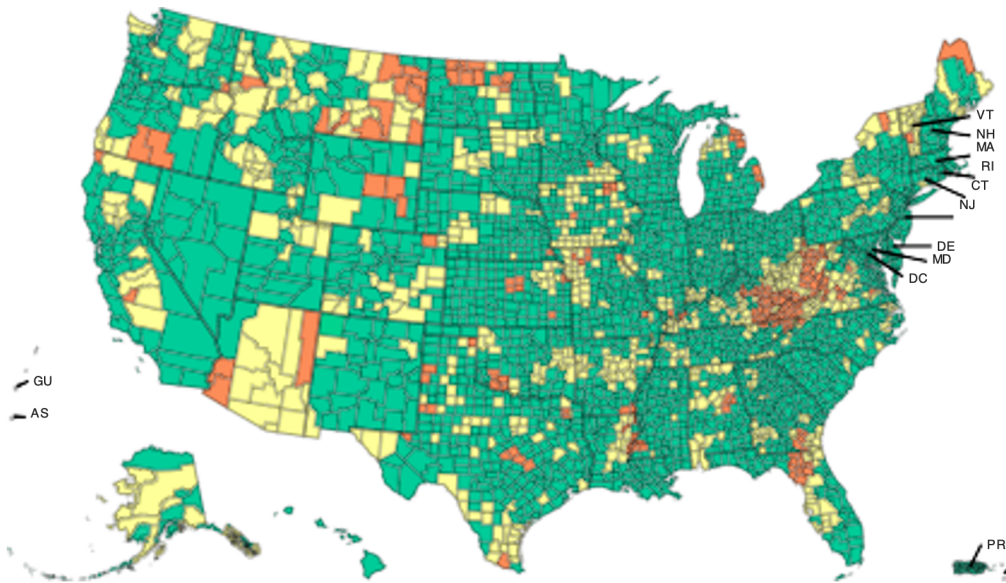


Countries with a minimum of 100 deaths prior week

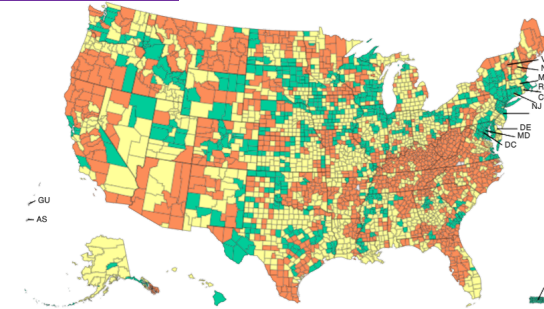
Chart: Health Industry Advisor LLC • Source: worldometers.info • Created with Datawrapper

More than 98% of the U.S. population lives in a Low or Medium Community Level, up from 90% last week and 70% two weeks ago

March 10

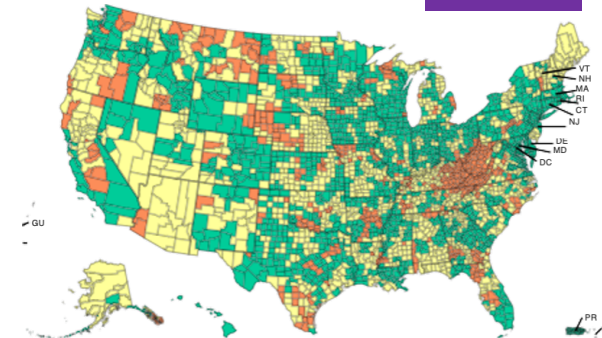


February 24



High
Medium
Low

March 4



Source: CDC, As of February 24, 2022, March 4, 2022, and March 10, 2022
<https://www.cdc.gov/coronavirus/2019-ncov/your-health/covid-by-county.html>

CDC Community Level Scoring Table

COVID-19 Community Levels

COVID-19 Community Levels – Use the Highest Level that Applies to Your Community				
New COVID-19 Cases				
Per 100,000 people in the past 7 days	Indicators	Low	Medium	High
Fewer than 200	New COVID-19 admissions per 100,000 population (7-day total)	<10.0	10.0-19.9	≥20.0
	Percent of staffed inpatient beds occupied by COVID-19 patients (7-day average)	<10.0%	10.0-14.9%	≥15.0%
200 or more	New COVID-19 admissions per 100,000 population (7-day total)	NA	<10.0	≥10.0
	Percent of staffed inpatient beds occupied by COVID-19 patients (7-day average)	NA	<10.0%	≥10.0%

The COVID-19 community level is determined by the higher of the new admissions and inpatient beds metrics, based on the current level of new cases per 100,000 population in the past 7 days

Source: Centers for Disease Control and Prevention,
<https://www.cdc.gov/coronavirus/2019-ncov/science/community-levels.html>

The test-positive rate fell below the 3% last week - as low as it has been since last July

Test-Positivity Rate

7-Day Average, Through March 7

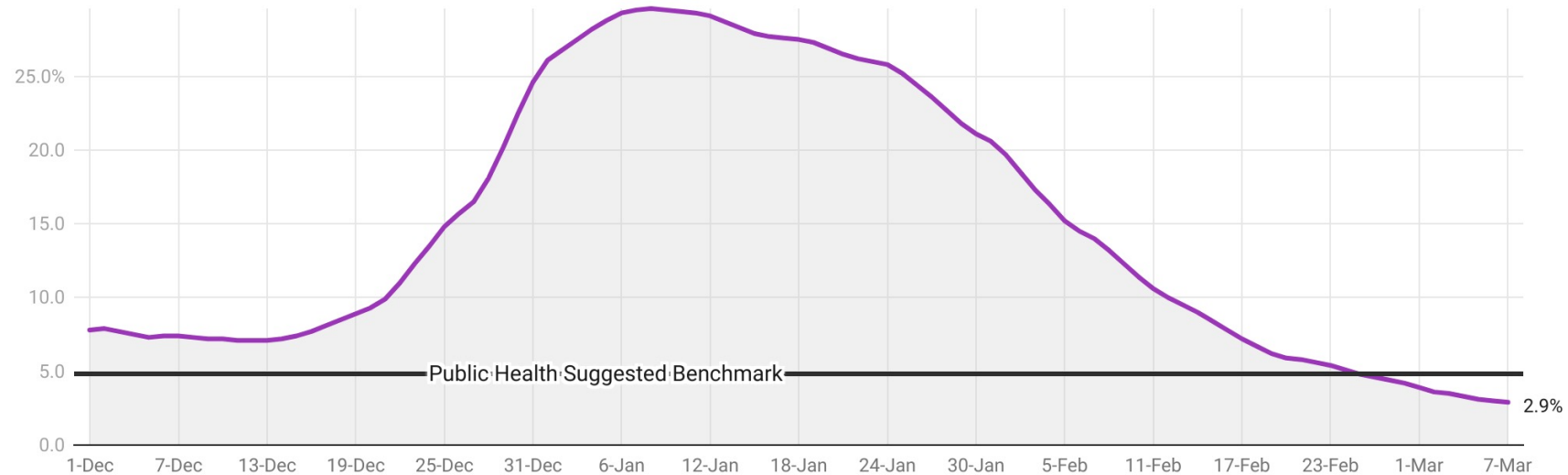


Chart: Health Industry Advisor LLC • Source: U.S. Department of Health & Human Services • Created with Datawrapper

Cases tumbled 96% in the past eight weeks. The ensemble forecast predicts infections will retreat another 36% in the next two weeks. However, predicted cases tick upward at the end of March

New Daily Cases / Million

7-Day Average

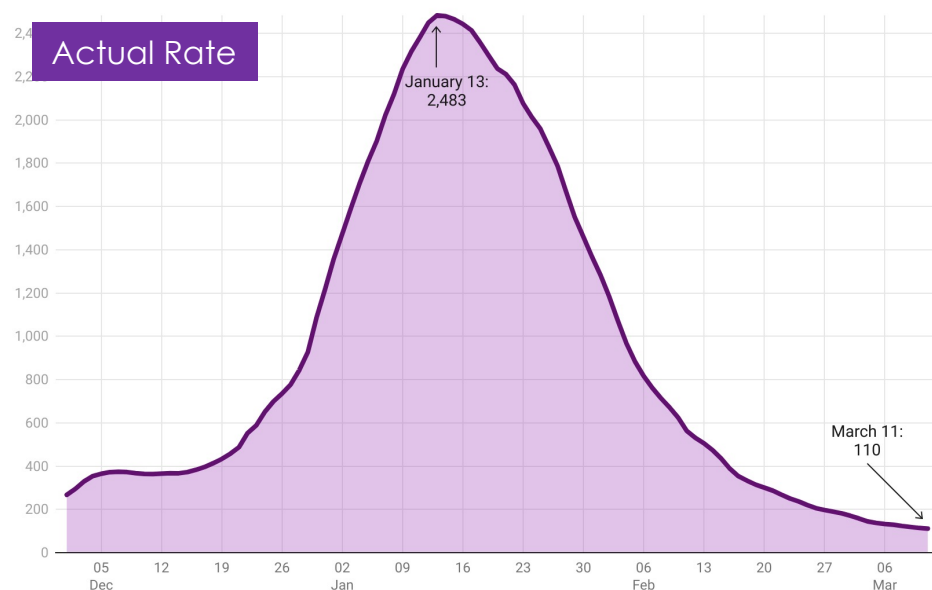
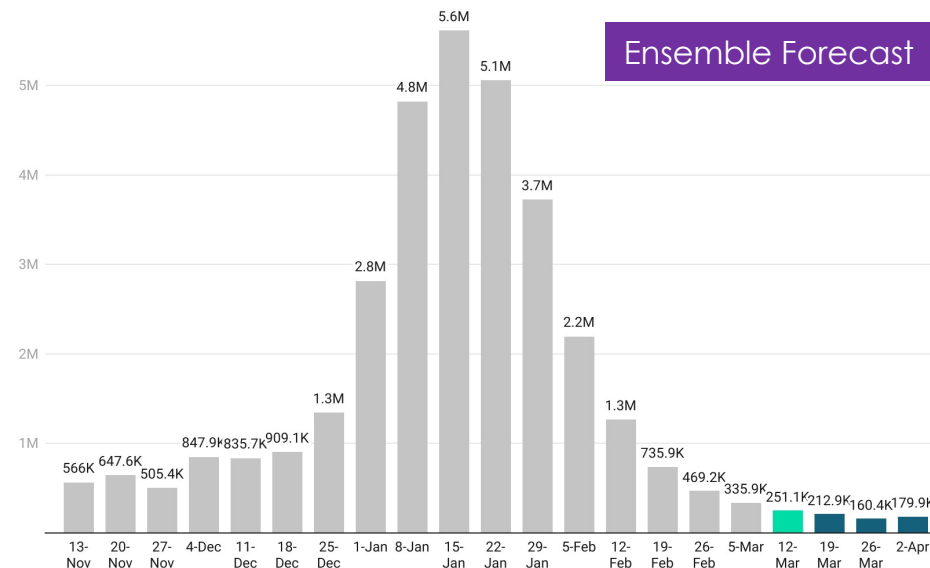


Chart: Health Industry Advisor LLC • Source: worldometers.info • Created with Datawrapper

Newly-Reported Cases Per Week

Covid-19 Forecast Hub, Composite Forecast As of March 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

Although cases continued to decline week-over-week, the slowdown has eased over the past month

Week-Over-Week Change in Newly Reported Cases

7-Dy Average

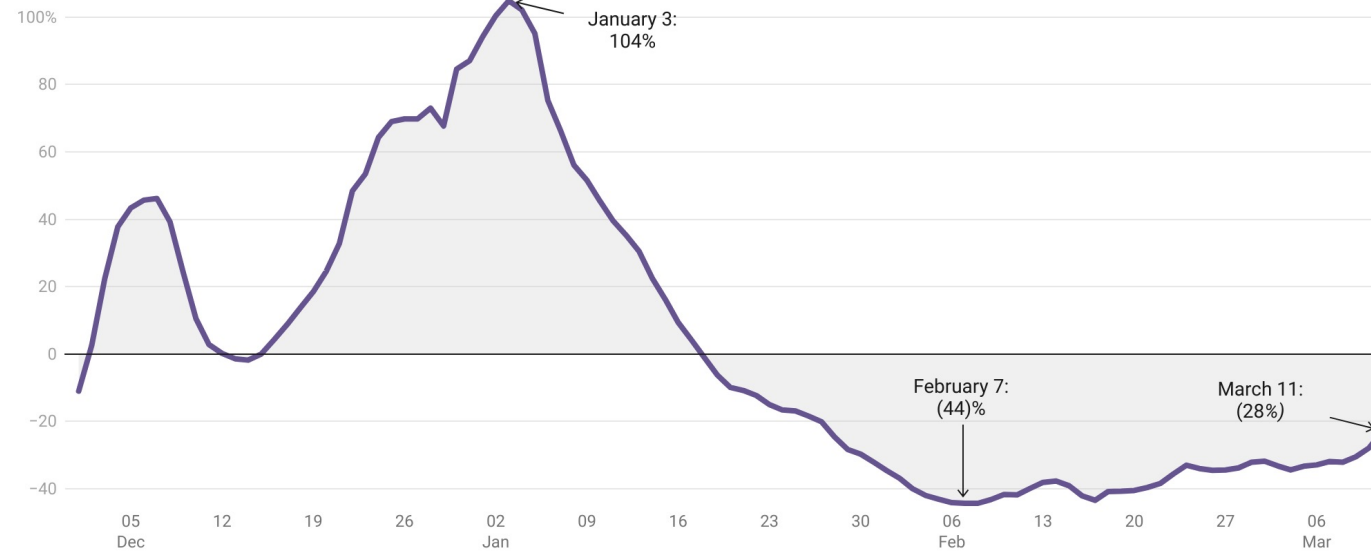
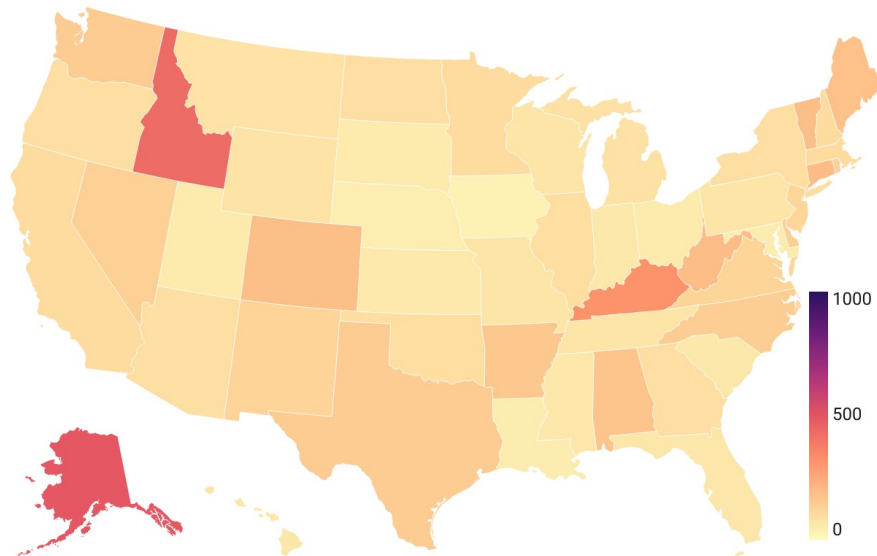


Chart: Health Industry Advisor LLC • Source: worldometers.info • Created with Datawrapper

New case rates fell in most states. Rates spiked in Connecticut last week. Cases rose by 15% in Texas

New Cases / Million

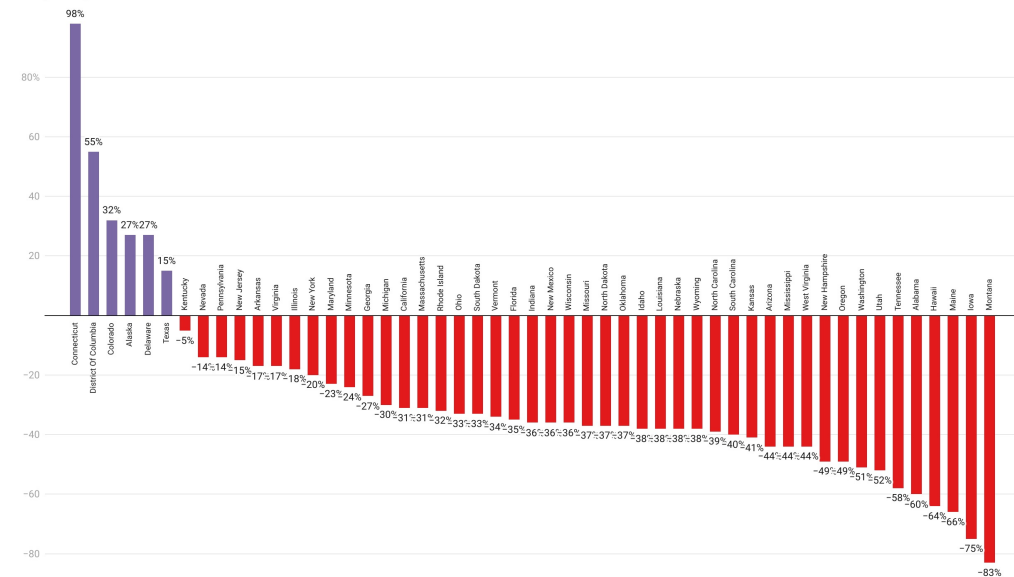
7-Day Average, As of March 11



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

Weekly Increase (Decrease)% in New Cases

7-Day Average, As of March 11



All Countries With 25M+ population

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

Fewer people died with Covid last week than any week since December 2. Deaths have declined 60% since mid-January. Forecasted deaths drop by one-half again in the next three weeks

Actual Rate

Deaths With Coronavirus

7-Day Average, Through March 11

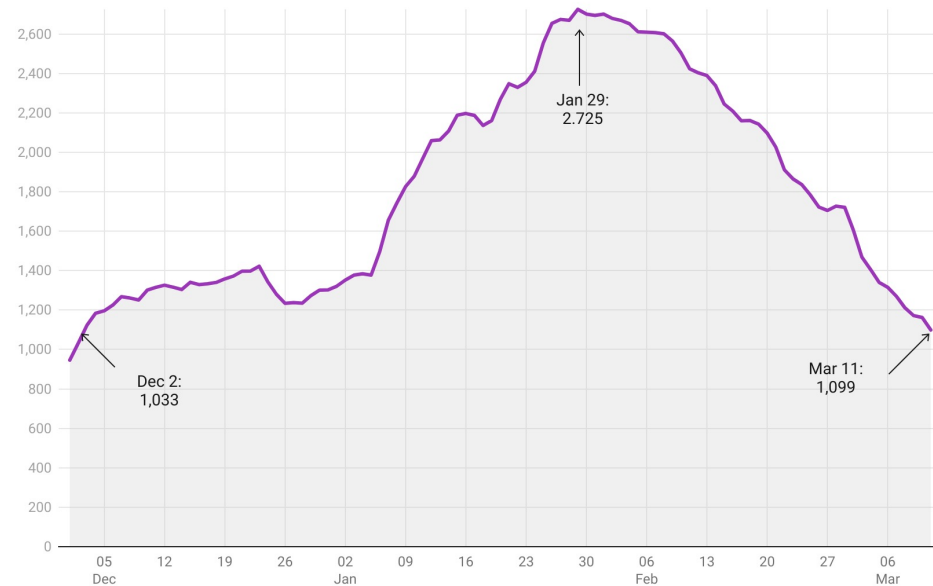
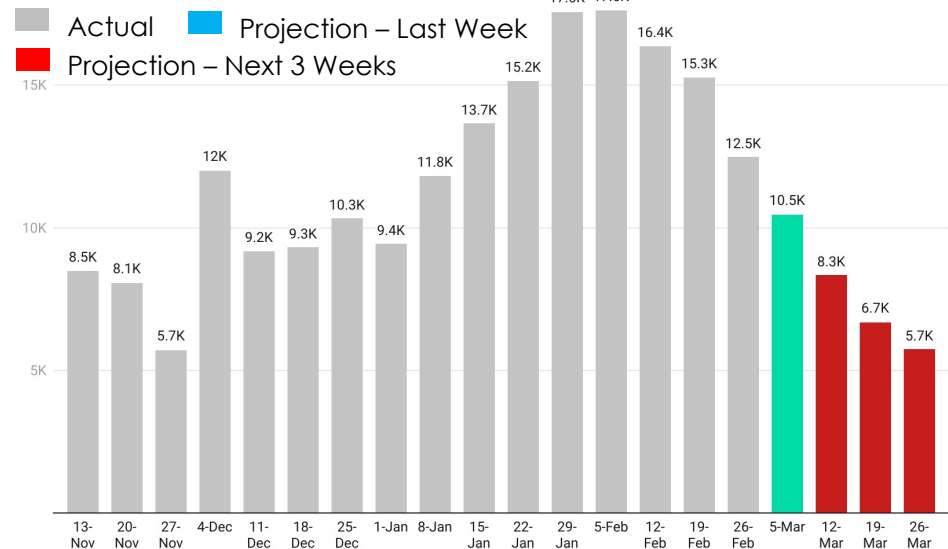


Chart: Health Industry Advisor LLC • Source: worldometers.info • Created with Datawrapper

Ensemble Forecast

Newly-Reported Deaths Per Week

Covid-19 Forecast Hub, Composite Forecast As of February 26



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>
- ▶ New York Times, Covid-19 data <https://github.com/nytimes/covid-19-data>
- ▶ 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>