



"Strategic Advice in an Era of Unprecedented Change"

COVID19 VITAL SIGNS

ISSUE #366

MONDAY, JANUARY 24, 2022

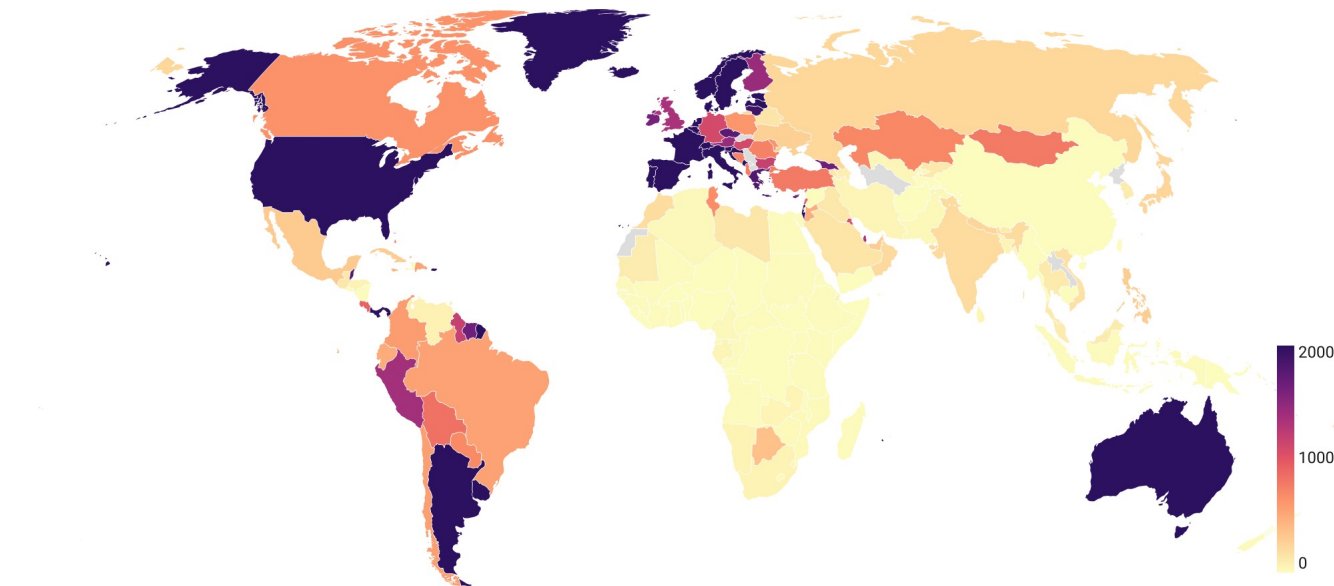
Highlights

- ▶ Reported new Covid19 cases fell 12% week-over-week in the United States. These reported cases peaked on January 13
- ▶ Estimated new infections plunged 23% since peaking on January 9
- ▶ New infections tumble 40% in the next four weeks, according to expert forecasts
- ▶ Still, some areas have yet to peak – Wisconsin posted nearly twice as many new cases last week as the prior week
- ▶ Hospital admissions with Covid declined five consecutive days.
 - ▶ Of the states with the most Covid patients, only Texas has yet to witness declining admissions
 - ▶ Admissions to New York hospitals nose-dived 25% in the past ten days
- ▶ Vaccine protection against infection weakened with Omicron compared to Delta but, remained strong against severe outcomes
 - ▶ Still, vaccines lowered the risk of an Omicron infection by half; the risk of death was twenty times lower

New Case Rates Per Capita Are Highest in Argentina, Australia, the United States, and Western Europe; Cases Are Surging in South America

New Daily Cases / Million

7-Day Average, As of January 21



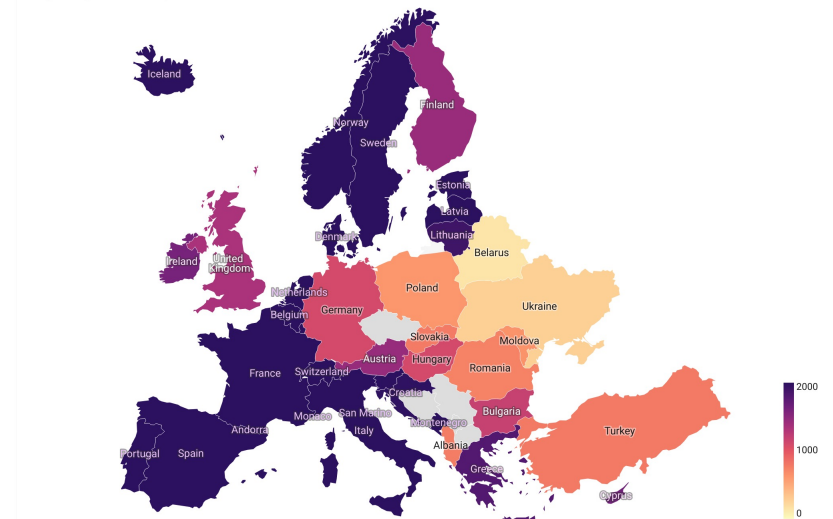
Map: Health Industry Advisor LLC • Source: worldometer.info • Created with Datawrapper

Global View

European View

New Daily Cases / Million

7-Day Average, As of January 21



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

Cases Tripled Last Week in Japan and More Than Doubled in Czechia; Cases Dropped in Canada, the United Kingdom and the United States

Weekly Increase% in New Cases

All Countries With 100,000+ Weekly New Cases, As of January 21

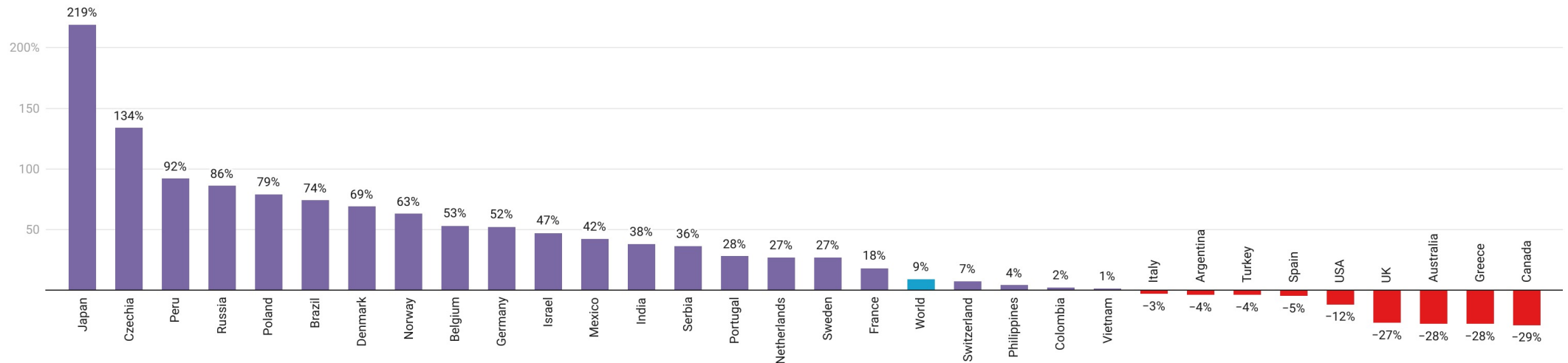


Chart: Health Industry Advisor LLC • Source: worldometer.info • Created with Datawrapper

After Slowing Most of January, the 7-Day Case Rate Peaked in the U.S. on January 13

New Daily Cases / Million

7-Day Average

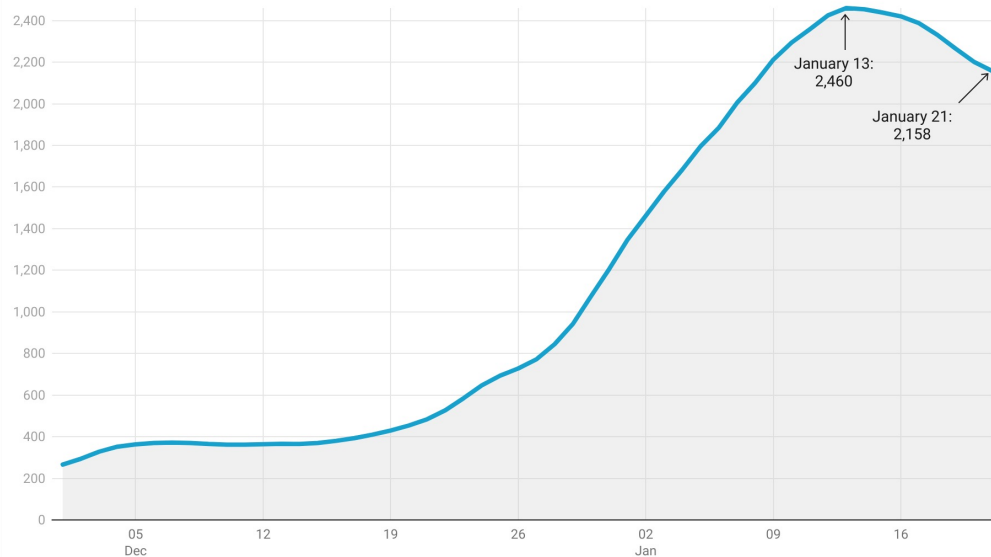


Chart: Health Industry Advisor LLC • Source: worldometers.info • Created with Datawrapper

Week-Over-Week Change in Newly Reported Cases

7-Dy Average

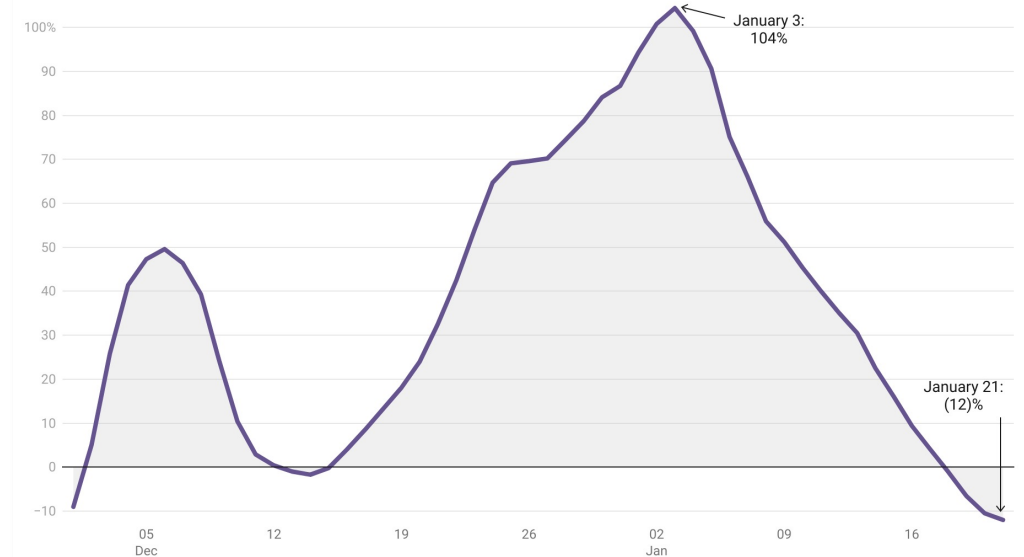


Chart: Health Industry Advisor LLC • Source: worldometers.info • Created with Datawrapper

Estimated Infections Peaked on January 9, Plunging 23% in the Past Ten Days

Estimated Daily Infections

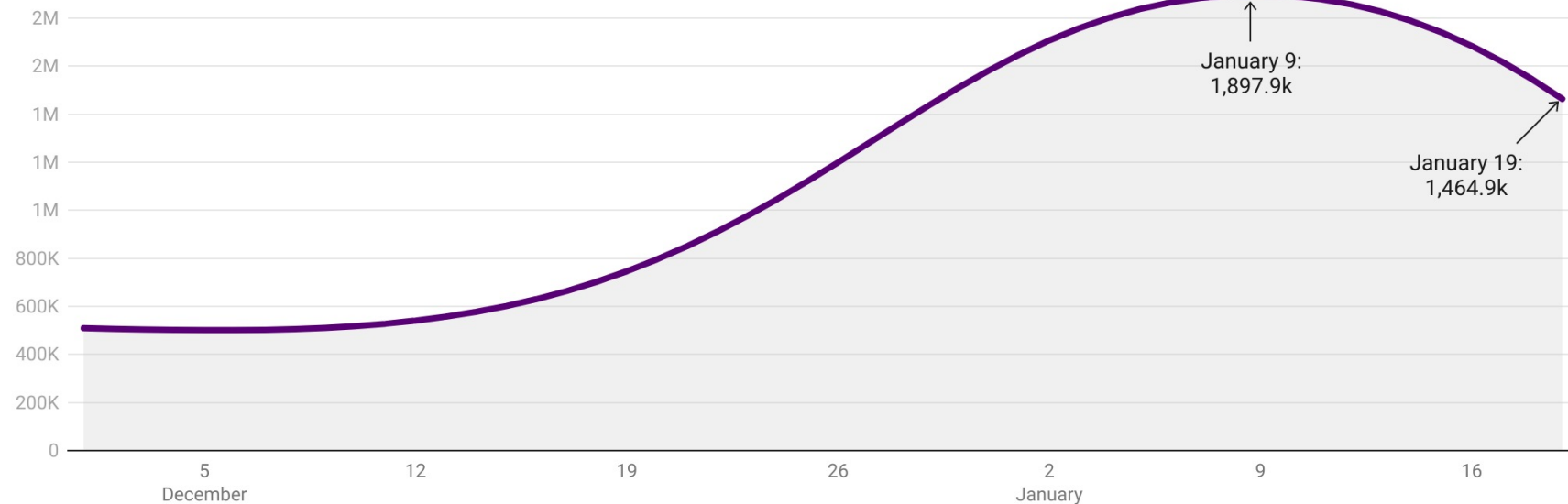


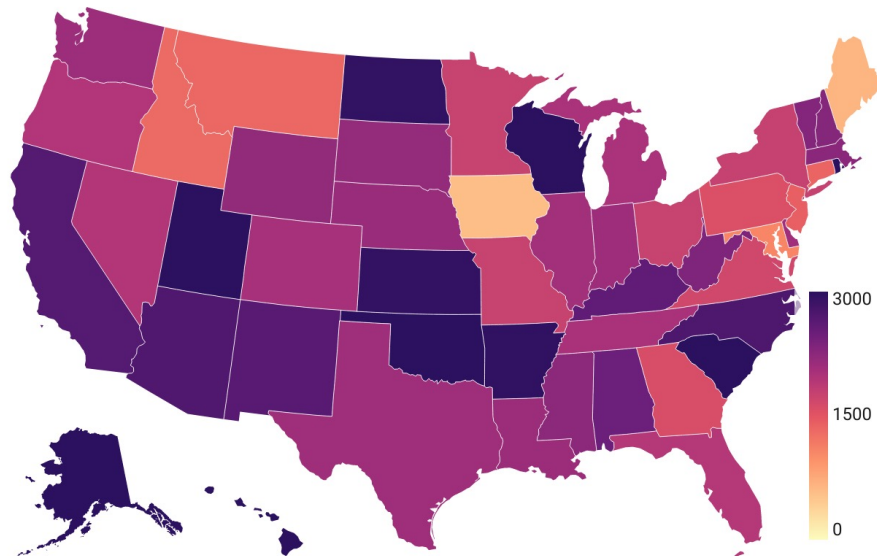
Chart: Health Industry Advisor LLC • Source: Harvard, Stanford & Yale Schools of Public Health • Created with Datawrapper

Case Rates Remain High Across the Country But, Are Falling in Nearly Half of the States

State View

New Cases / Million

7-Day Average, As of January 21



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

Weekly Increase% in New Cases

7-Day Average, January 21 v. January 14

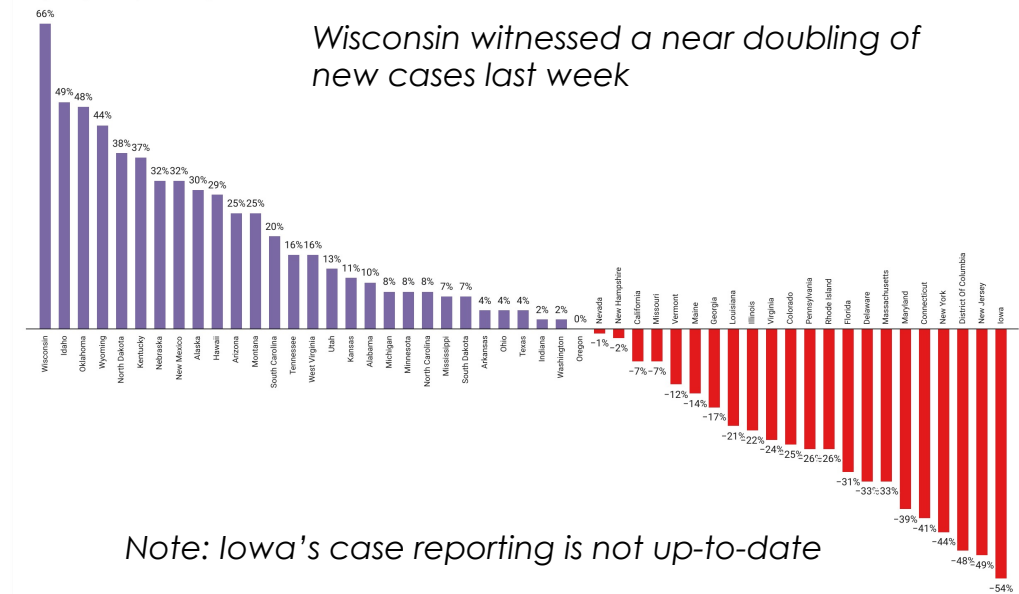


Chart: Health Industry Advisor LLC • Source: worldometers.info • Created with Datawrapper

Case Rates Are Plunging in Florida, New Jersey, and New York; Rates in Alaska, Hawaii, and Wisconsin Have Yet to Crest

Timeline: States With Declining Case Rates

New Daily Cases / Million, 7-Day Average

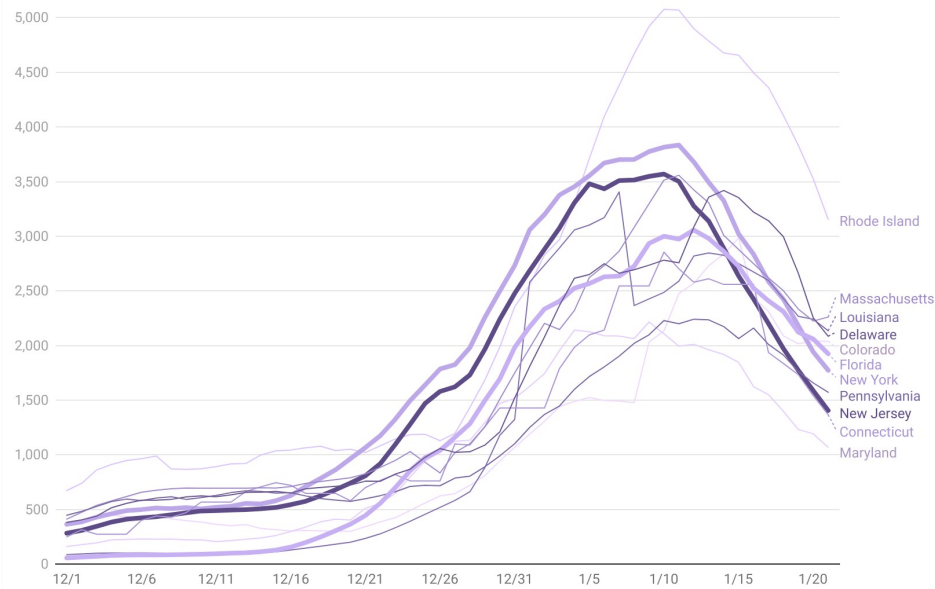


Chart: Health Industry Advisor LLC • Source: worldometers.info • Created with Datawrapper

Timeline: States With Declining Case Rates

New Daily Cases / Million, 7-Day Average

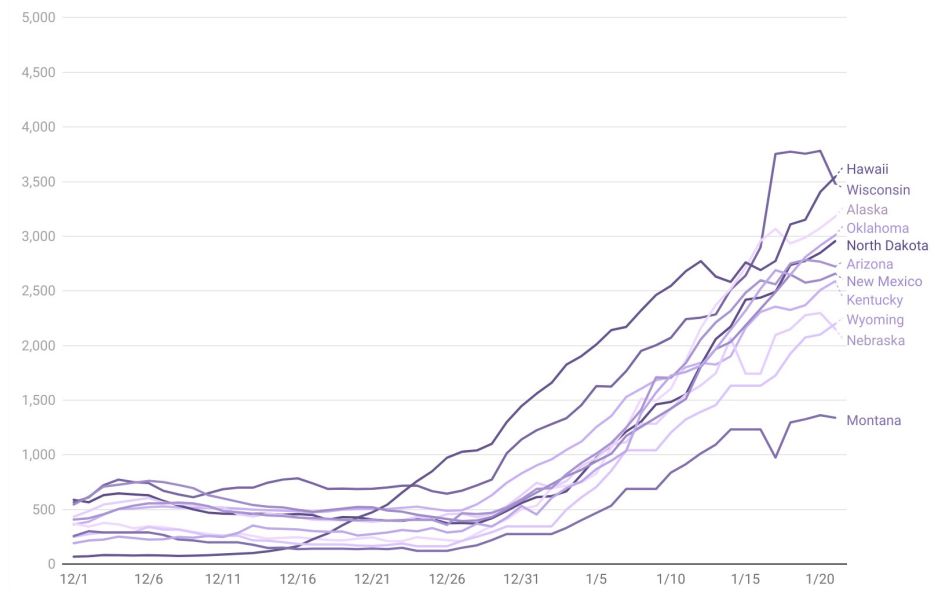


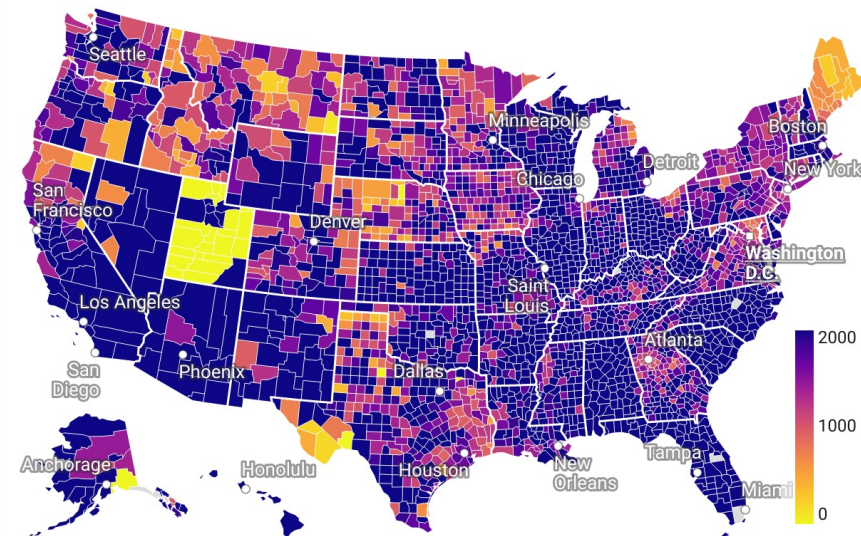
Chart: Health Industry Advisor LLC • Source: worldometers.info • Created with Datawrapper

Case Rates in New York City Plunged Over the Past Ten Days; Rates in Several Other Large Metros Crested Recently

Metro View

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

Timeline: Largest Metro Areas

New Daily Cases / Million, 7-Day Average

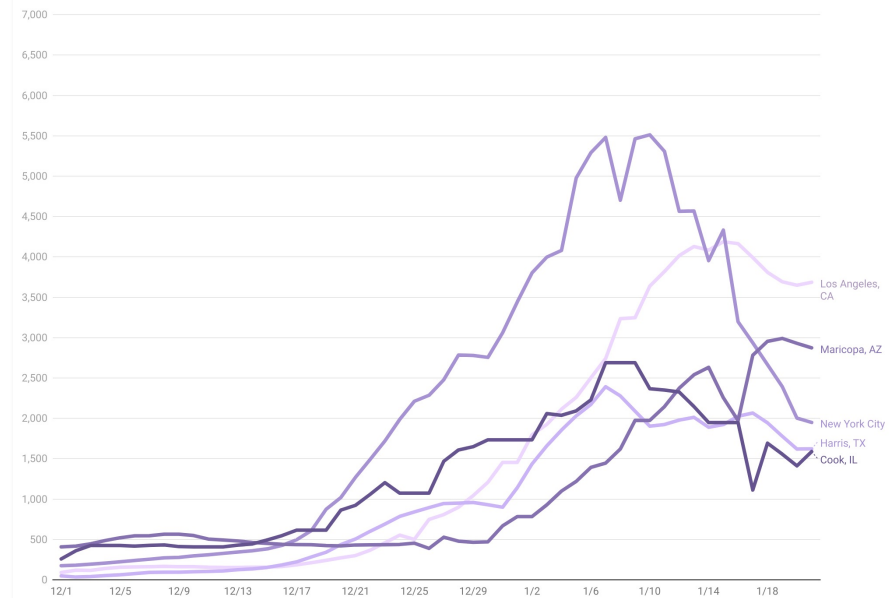


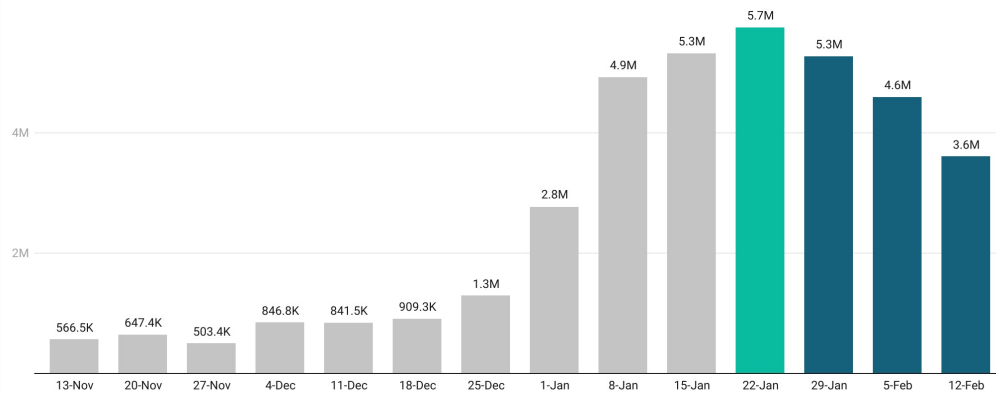
Chart: Health Industry Advisor LLC • Source: worldometers.info • Created with Datawrapper

Cases Peaked Last Week, Per the Ensemble Forecast; Deaths Peak in Another Week

New cases peaked last week. . .

Newly-Reported Cases Per Week

Covid-19 Forecast Hub, Composite Forecast As of January 15



For the week ending on the date shown

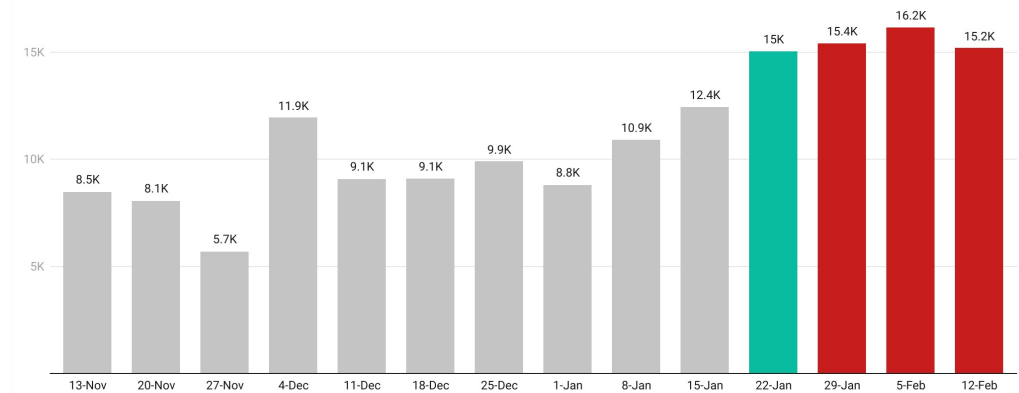
Chart: Health Industry Advisor LLC • Source: Covid-19 Forecast Hub • Created with Datawrapper

Actual
 Projection – Last Week
 Projection – Next 3 Weeks

deaths rise may peak in another week.

Newly-Reported Deaths Per Week

Covid-19 Forecast Hub, Composite Forecast As of January 15



For the week ending on the date shown

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

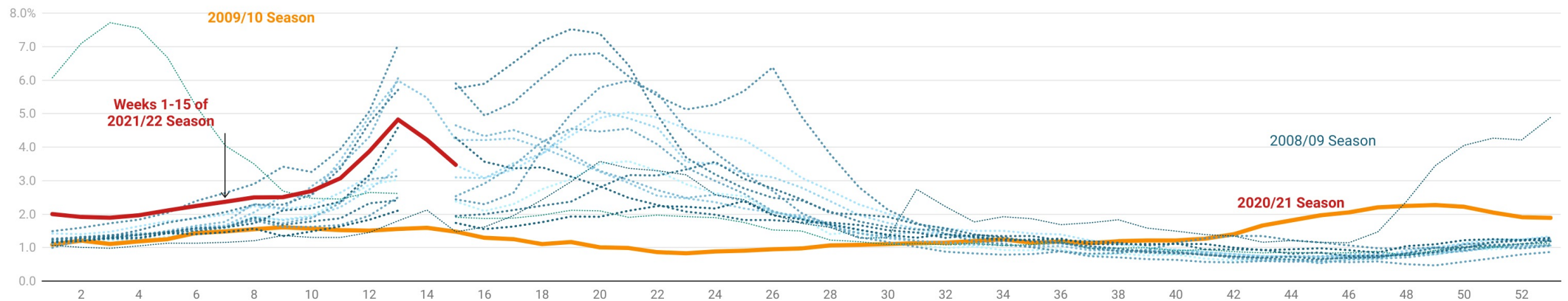
Actual
 Projection – Last Week
 Projection – Next 3 Weeks

Source: Covid-19 Forecast Hub

Flu Visits Dropped Each of the Last Two Weeks, Without Reaching Typical Seasonal Peaks

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

Test-Positive Rates Stabilized Recently Yet, Remain 5x Higher Than Recommended

Test-Positivity Rate

7-Day Average, Through January 13

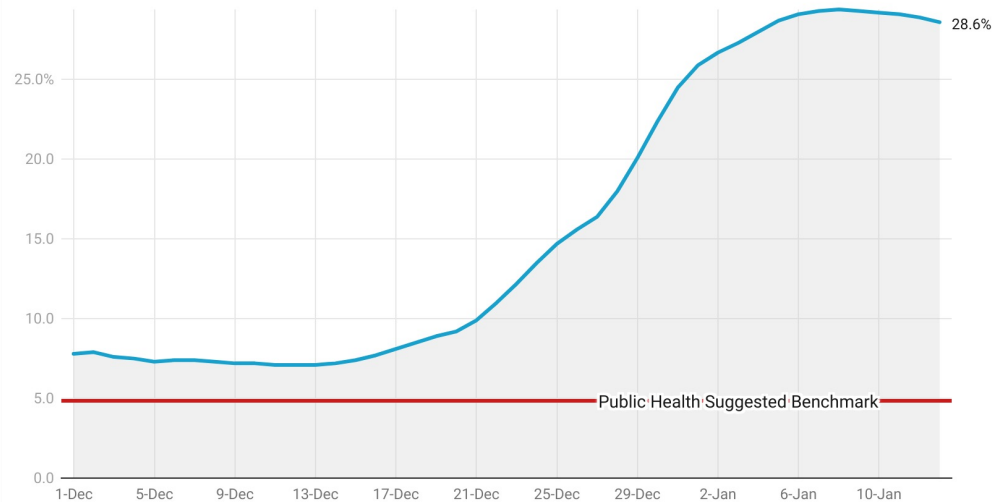
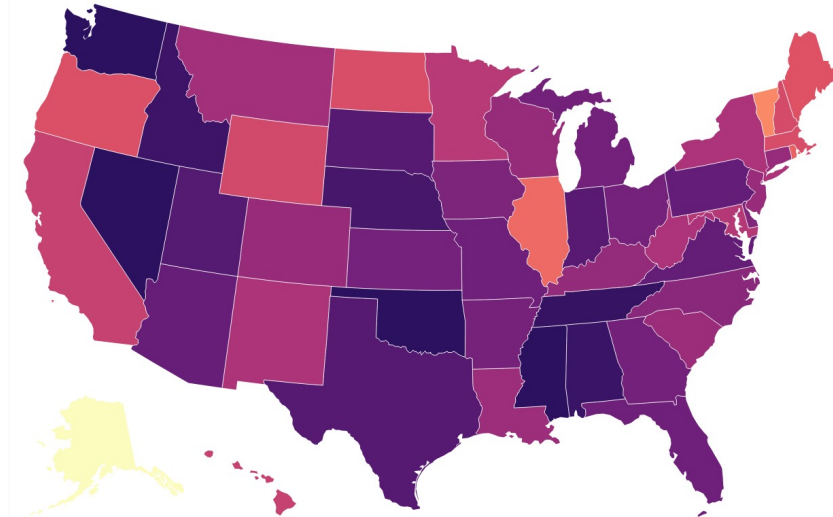


Chart: Health Industry Advisor LLC • Source: U.S. Department of Health & Human Services • Created with Datawrapper

Test Positivity %

7-Day Average, As of January 13

0% 20% 40%



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

Admissions and Census With Covid Remain at Pandemic-Highs But Show Signs of Flattening or Declining

Covid-19 Admissions & Census

7-Day Average, As of January 20

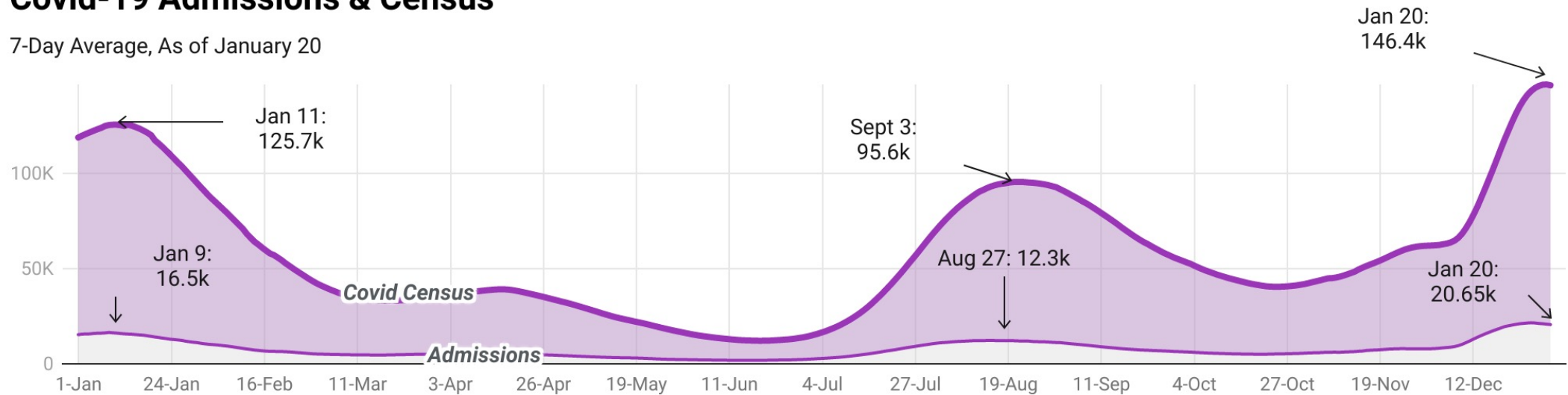
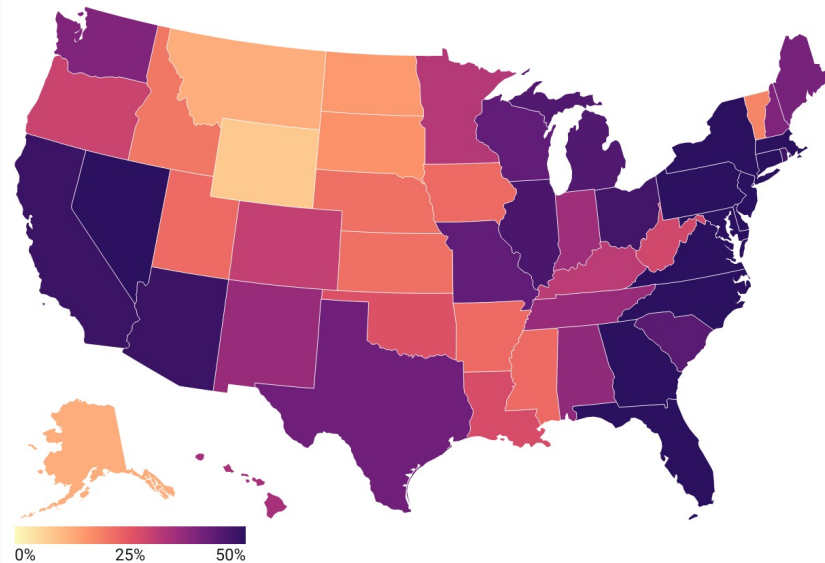


Chart: Health Industry Advisor LLC • Source: Centers for Disease Control and Prevention • Created with Datawrapper

Covid Patients Strain Caregivers and Hospitals Across the Country; Census Declined in Parts of the Northeast and Midwest

Covid-19 Patients As % of All Inpatient Beds

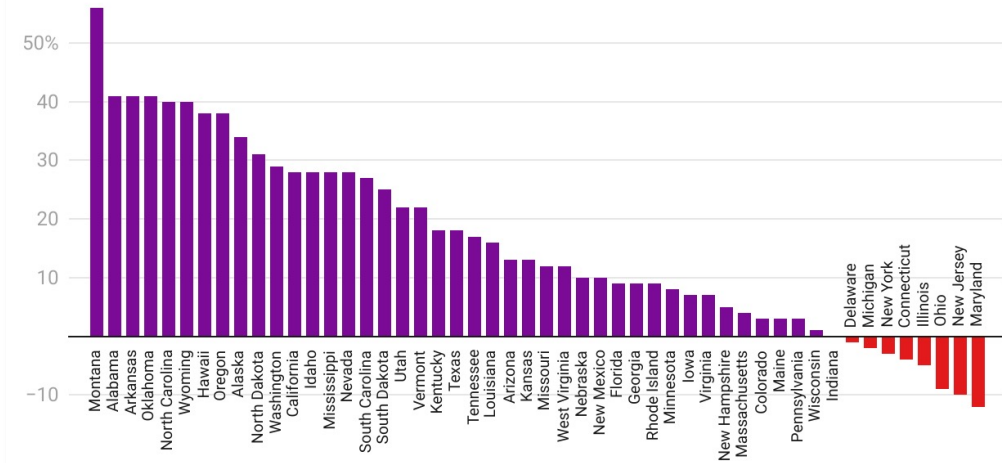
As of January 16



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

Change in Covid Hospital Census

7-Day Average, January 20 v. January 12

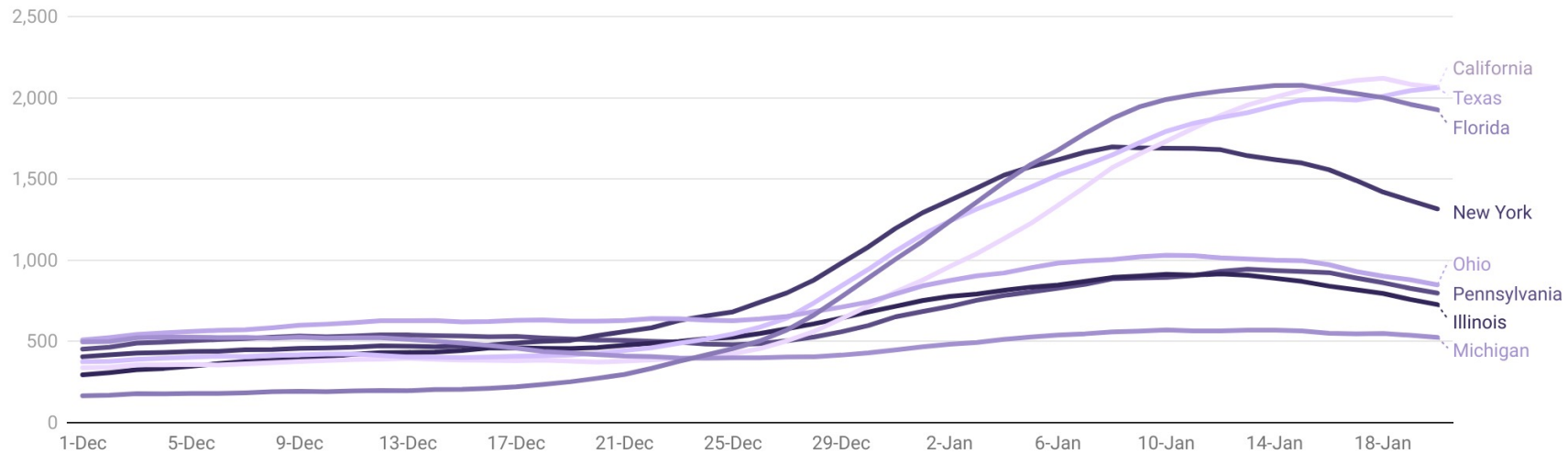


Created with Datawrapper

Covid Admissions May Have Peaked in the States With the Most Covid Patients

Timeline: Covid Hospital Admissions

States With Highest Covid Census, 7-Day Average



As of January 20

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

These eight states account for nearly half of all hospitalized patients with Covid

Deaths With Coronavirus Approached Peak Delta Wave Levels Yet, Remain Far Lower Than the Pandemic High of Last January

Deaths With Coronavirus

7-Day Average, Through January 20



Chart: Health Industry Advisor LLC • Created with Datawrapper

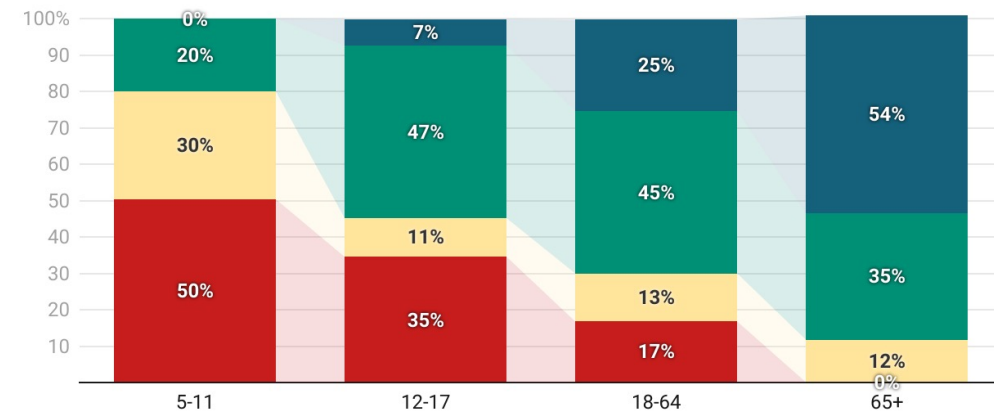
Vaccine Uptake Varies Widely By Age; Many People Rely on Natural Immunity to Prevent Further Infections

- ▶ More than half of senior citizens are max protected (vaccinated + booster); five of six are double vaccinated or boosted
- ▶ Nearly three in ten working age adults have limited or no vaccine protection. One-in-four are max protected
- ▶ Only half of middle and high school aged persons are double vaccinated or boosted
- ▶ Only half of elementary age children have received a Covid vaccine; One in five are double vaccinated

Vaccination Status By Age

As of January 21

Unvaccinated Partially Vaccinated Double Vaccinated Boosted



CDC reports more first doses for 65+ year olds than the population of this age group

Chart: Health Industry Advisor LLC • Source: CDC • Created with Datawrapper

Even With Omicron Circulating, Vaccines Protect Against Infections and Even More So Against Death

An unvaccinated person was more than twice as likely to be infected than a vaccinated person, and twenty times as likely to die with Covid19

Vaccine Efficacy - New Cases

Cases per 100,000, Week Ending December 25

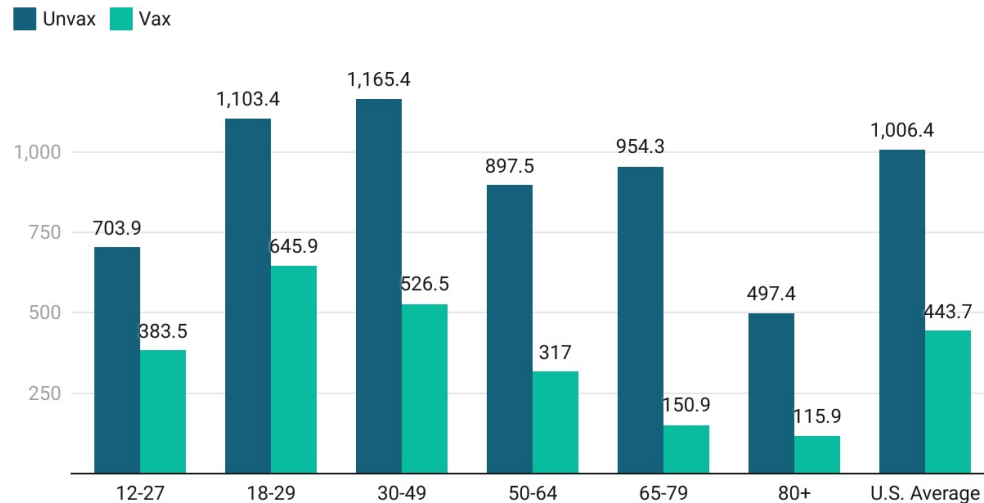


Chart: Health Industry Advisor LLC • Source: Centers for Disease Control and Prevention • Created with Datawrapper

Vaccine Efficacy - Deaths

Deaths per 100,000, Week Ending December 25

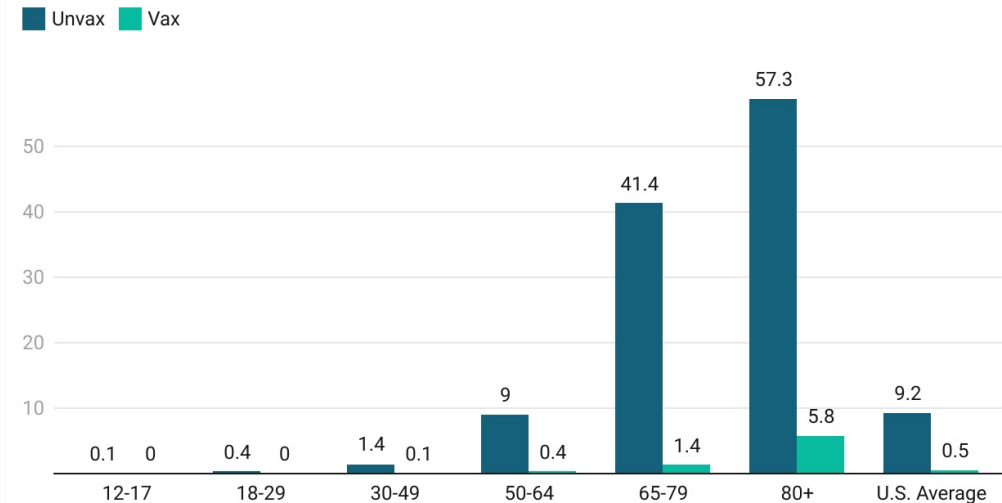


Chart: Health Industry Advisor LLC • Source: Centers for Disease Control and Prevention • Created with Datawrapper

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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- ▶ 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>