Health Industry Advisor, Ilc

"Strategic Advice in an Era of Unprecedented Change"

COVID19 VITAL SIGNS

ISSUE #367

MONDAY, JANUARY 31, 2022

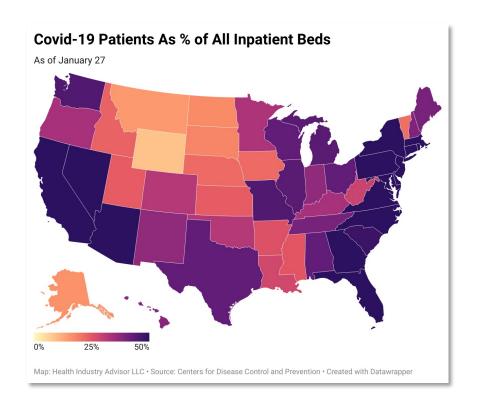
Highlights

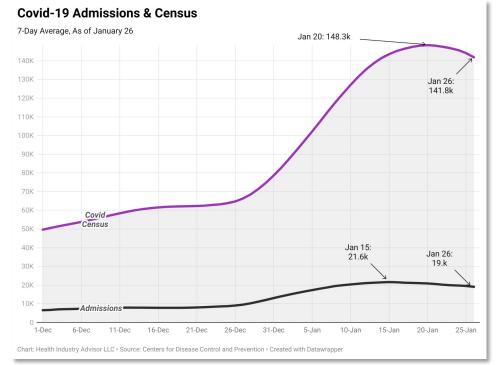
- ► Hospitals gained some relief for exhausted staff:
 - ► Covid admissions in the U.S. started falling two weeks ago; Patient census declined over the past week
 - Projected admissions drop another 25% in next four weeks (CDC published forecast)
 - Admissions to New York hospitals plunged 43% from its recent peak; Illinois, 40%; and Florida, 20%
 - ► Flu visits fell for the third consecutive week; visits haven't reached prior seasons' peaks

- Tragically, deaths rose again last week, continuing a month-long trend:
 - Deaths may not peak for another two weeks (ensemble forecast)
 - However, despite surging cases with Omicron circulating, deaths are 30-40% lower than this time last year
- Reported cases peaked in the U.S. on January 13 (7-day average); Estimated infections peaked 4-12 days earlier
- Projected infections decline through the Spring, reaching pre-Omicron levels by late February
- Cases dropped in 41 of 50 states last week; In New York, cases nosedived 75% since peaking on January 11



Admissions started to decline two weeks ago, and patient census followed suit one week ago





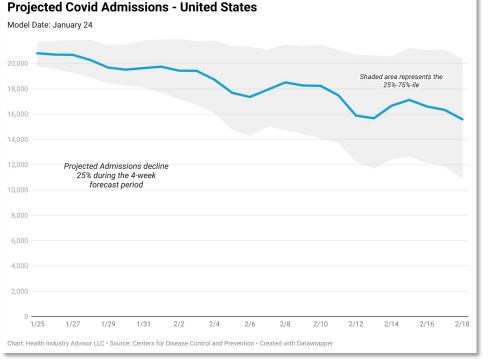


IHME forecasts admissions and patient census will decline through the Spring; The CDC published an ensemble forecast showing admissions declining 25% over four weeks

IHME Forecast

Institute for Health Metrics and Evaluation Admissions Pt Days Jan 15: 180K Jan 31: Shaded area represents forecast period 100K 80K 40K Jan 31: 115.8k Jan 31: 115.8k Jan 31: 115.8k Feb Mar Apr May May Pt Days Forecast Date: January 21 Chart: Health Industry Advisor LLC+ Source: Institute for Health Metrics and Evaluation + Created with Datawrapper

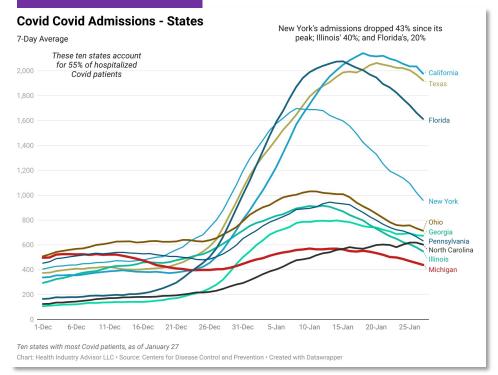
CDC Published Forecast



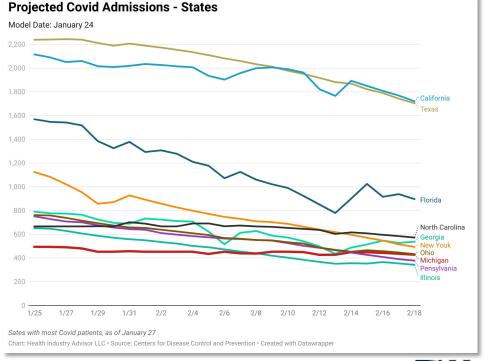


In states with the most patients, admissions declined over the past week or more; projected admissions decline for the next several weeks

Recent Trends

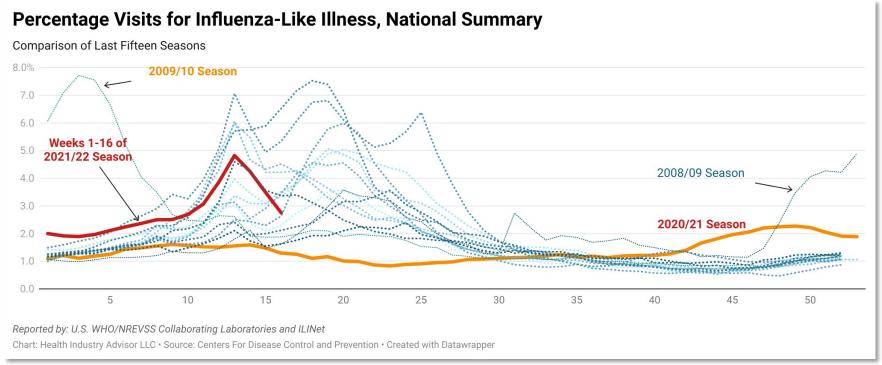


CDC Forecast



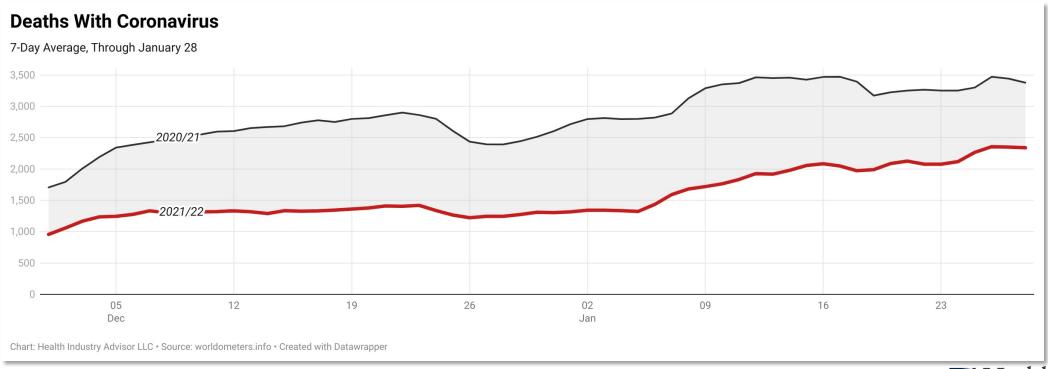


Flu visits dropped each of the last three weeks, without reaching typical seasonal peaks



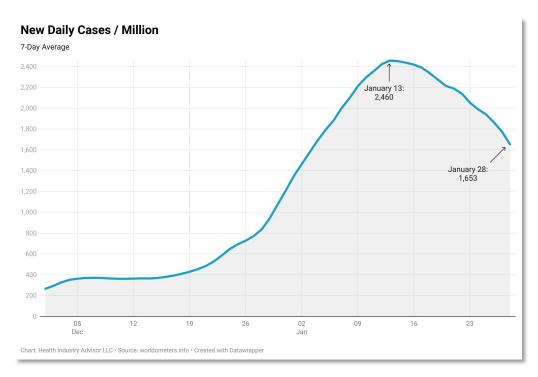


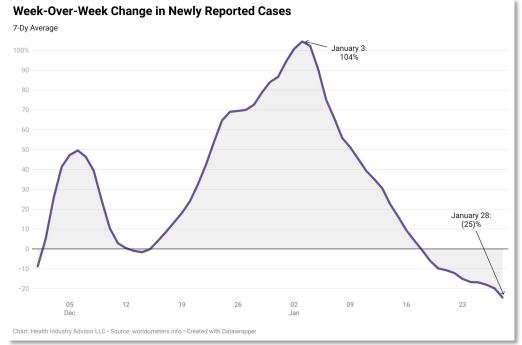
More people died with coronavirus last week, a trend started at the beginning of the year; However, despite surging infections deaths trail rates from a year ago by 30+%





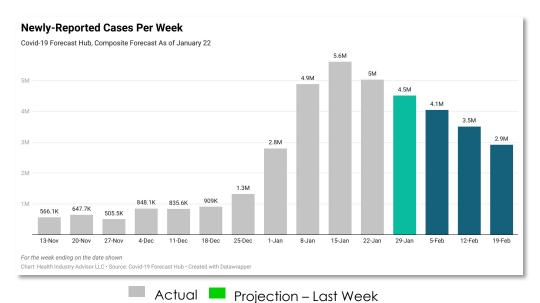
The 7-day case rate peaked in the U.S. on January 13; Cases plunged 25% last week from the prior week



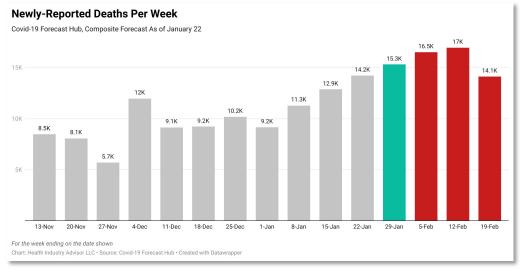




Cases decline each of the next few weeks while deaths increase until mid-February (ensemble forecast)



Projection – Next 3 Weeks



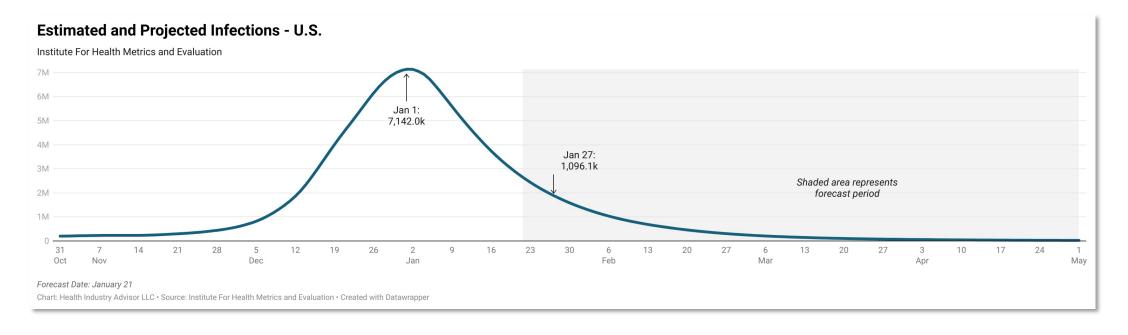
Actual Projection – Last Week

Projection - Next 3 Weeks

Source: Covid-19 Forecast Hub

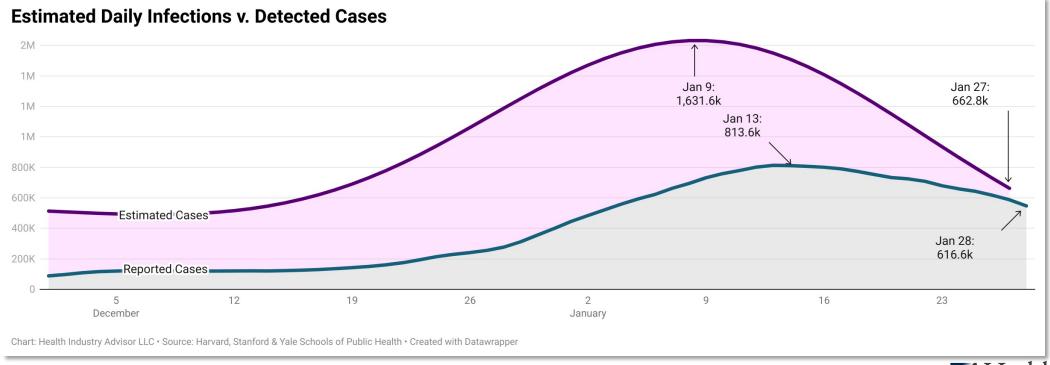
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Estimated infections nose-dived throughout January, per the IHME model; Projected infections decline further into the Spring



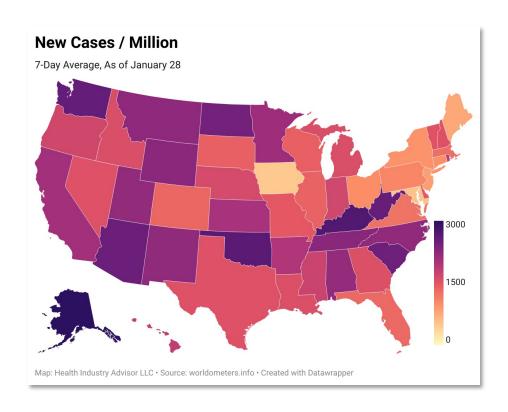


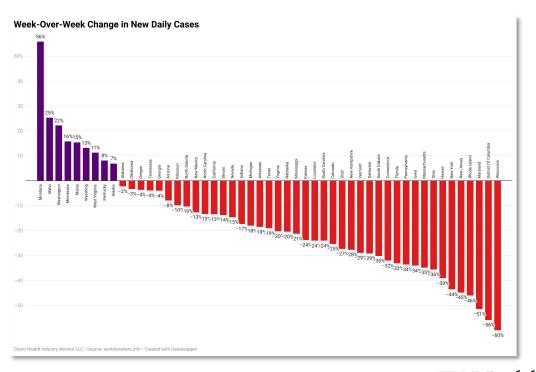
Estimated infections peaked on January 9, plunging 60% in the past eighteen days (Harvard/Stanford/Yale Schools of Public Health)





Case rates remain elevated across the country; However, these rates declined last week in 41 of 50 states





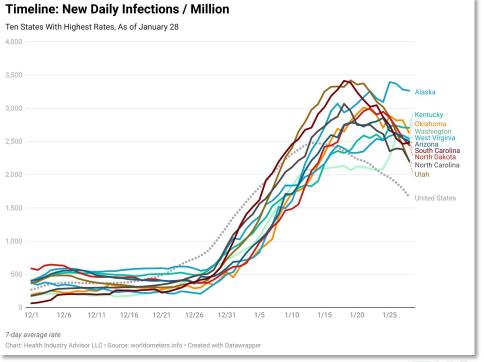


New case rates sank in the most-populated states, led by New York's 75% plunge since January 11. Most states with the highest current rates posted declines last week too

Ten Most Populous States

Timeline: New Daily Infections / Million Ten Most Populous States, As of January 28 4,000 3,500 2,500 2,500 2,000 1,500 1,500 1,500 1,500 1,201 1,206 1,211 1,216 1,211 1,216 1,211 1,216 1,211 1,216 1,211 1,216 1,211 1,216 1,211 1,216 1,211 1,216 1,211 1,216 1,211 1,216 1,211 1,216 1,211 1,216 1,211 1,216 1,211 1,216 1,211 1,216 1,211 1,216 1,211 1,216 1,211 1,216 1,211 1,216 1,217 1,210 1,210 1,225 1,231

Ten States With Highest Rates



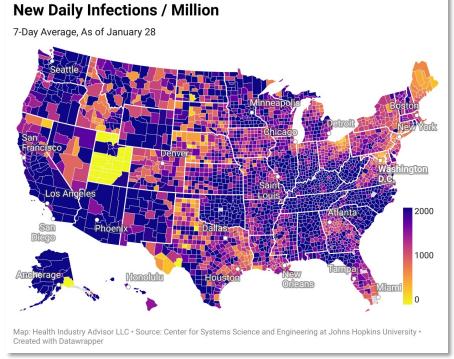


The case rate "picture" lightened somewhat week-overweek; However, case rates remain elevated

As of January 21

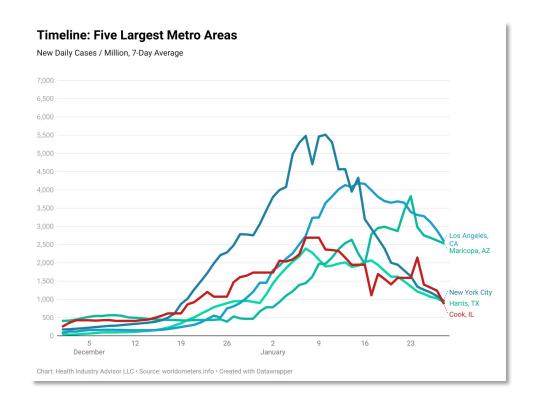
New Daily Infections / Million 7-Day Average, As of January 21 Seattle Seattle Denver Denv

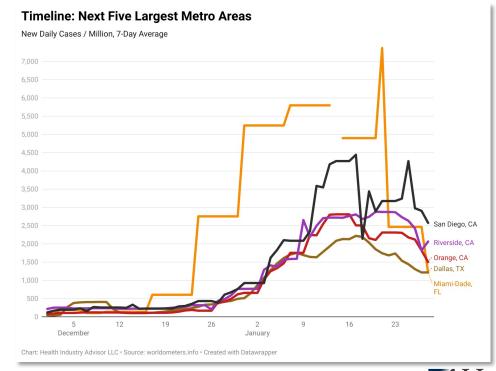
As of January 28





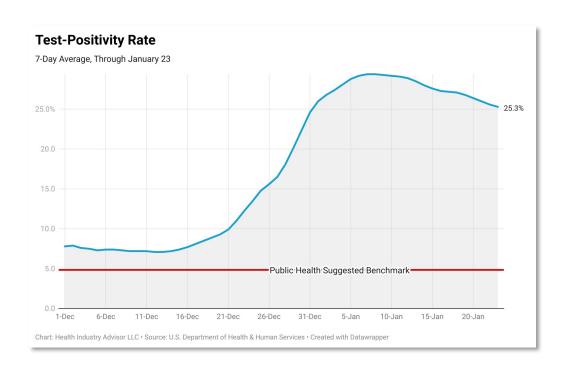
Case rates declined last week in each of the ten largest metropolitan areas

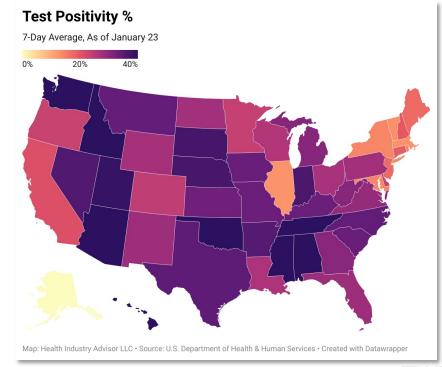






Test-positive rates dropped further last week; However, rates remain higher than public health recommended levels

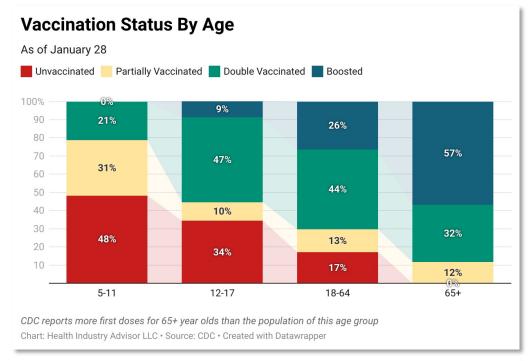






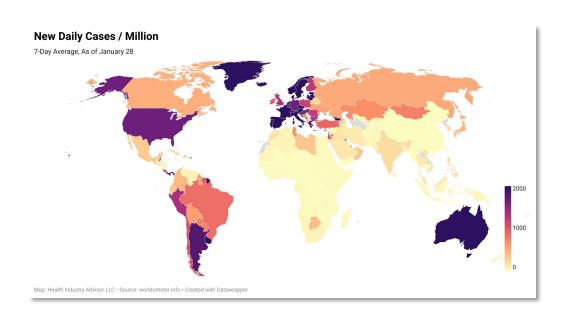
Vaccine uptake has slowed considerably across all age groups. Seniors boast the highest protection levels; children the lowest

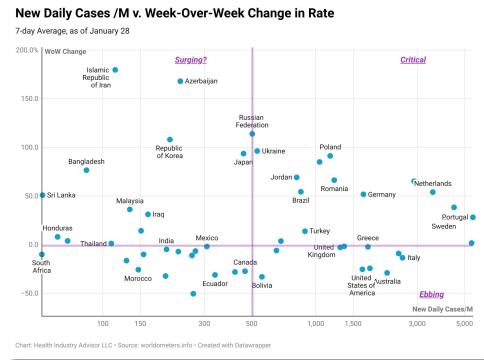
- Nearly two-thirds of senior citizens are max protected (vaccinated + booster); five of six are double vaccinated or boosted
- Only a quarter of working age persons are max protected; However, seven in ten are at least double vaccinated
- One third of middle and high school aged persons have neglected vaccination
- Nearly half of elementary age children have avoided vaccination; Yet, one in five are double vaccinated





Brazil, Germany, The Netherlands, Sweden, among others posted high and increasing case rates last week; Australia, Italy, and the U.S. posted declining rates last week

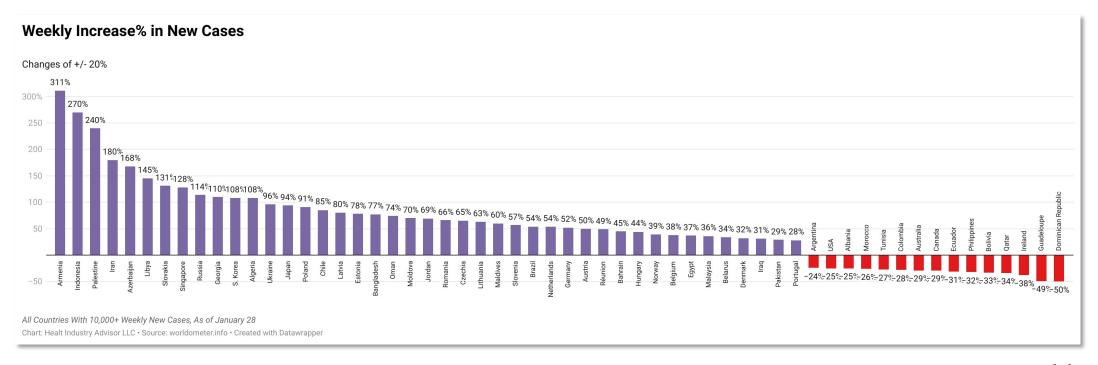








New cases swelled last week in Armenia, Iran, Russia, and Singapore, among others; Cases declined in Argentina, Canada, Ireland, and the United States





Sources

- ▶ Bloomberg Vaccine Trackers, https://www.bloomberg.com/graphics/covid-vaccine-trackeralobal-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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- Centers for Disease Control and Prevention, Vaccines, https://www.cdc.gov/coronavirus/2019-ncov/vaccines/index.html
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- Covid-19 Forecast Hub, https://viz.covid19forecasthub.org

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- U.S. Department of Health & Human Services:
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