Health Industry Advisor, Ilc

"Strategic Advice in an Era of Unprecedented Change"

COVID19 VITAL SIGNS

ISSUE #368

MONDAY, FEBRUARY 7, 2022

Highlights

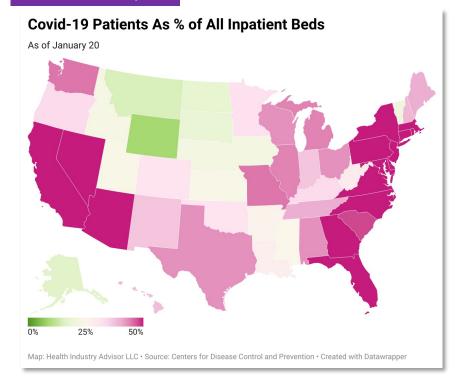
- The US healthcare system continues to strain under the weight of Covid patients; However, this pressure eased during each of the past few weeks:
 - Covid admissions in the U.S. dropped 28% in less than three weeks; Patient census declined 18% in the past two weeks
 - ► IHME forecasts an 80% decline in admissions, from the peak at first of the year to the end of this month; and a 70% decline in patient census
 - Admissions to New York hospitals plunged 63% from the recent peak; Illinois, 54%; Pennsylvania, 48%; and Florida, 36%
 - Flu visits fell for the fourth consecutive week; visits haven't reached prior seasons' peaks and are nearing seasonal lows

- Deaths remain high but, show signs of declining:
 - The 7-day death total peaked in late January
 - ▶ Despite surging cases with Omicron circulating, deaths are 30-40% lower than this time last year
 - The case fatality rate plunged thus far during the Omicron wave; Pre-Omicron, this rate tracked slightly lower than the rate from a year ago
- Case rates tumbled to levels last seen in late December; the rate of decline accelerated, indicating the case rate should drop further in the near term
 - IHME forecasts that infections will be 90% lower by the end of February than posted at the beginning of the year
 - Cases dropped in 48 of 50 states last week; In forty states, cases plunged 40% or more from the prior week

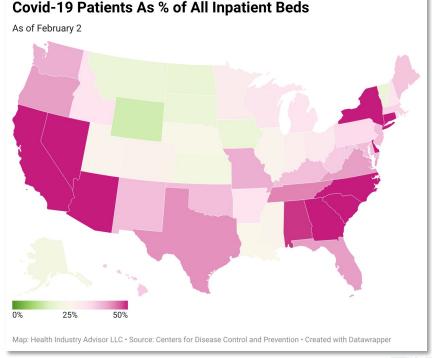


The health system gained a measure of relief over the past two weeks; Still, Covid patients strain the system in several large coastal states

As of January 20

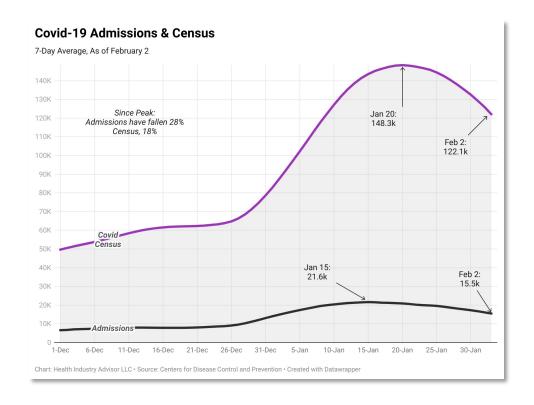


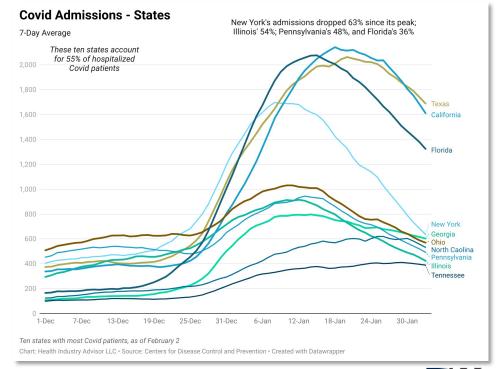
As of February 4





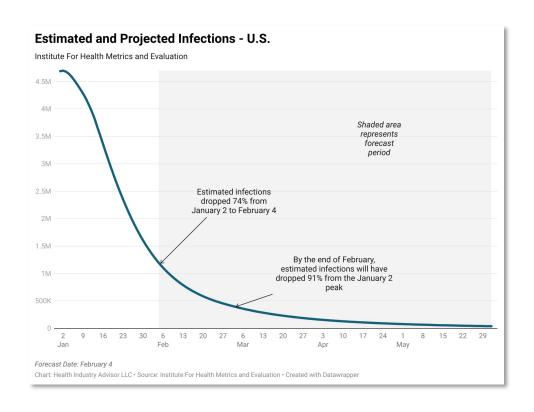
Covid admissions plunged 28% in last eighteen days; Census dropped 18% in the past two weeks. Admissions to New York hospitals dropped 63%; Illinois hospitals, 54%

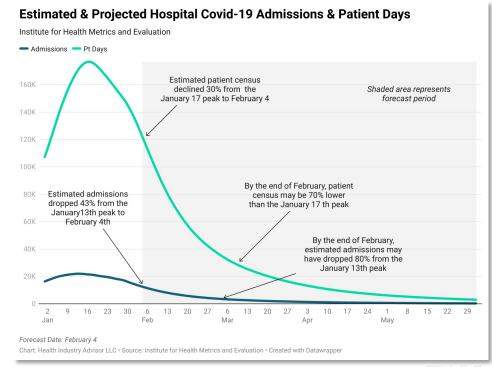






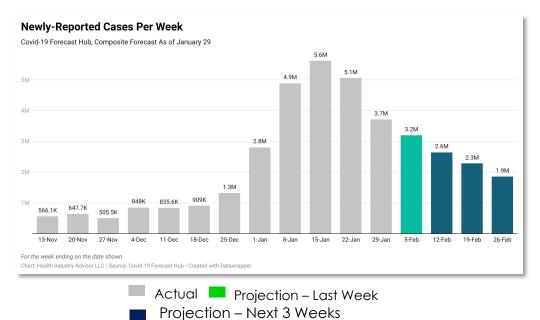
By the end of February, IHME forecasts infections to be 90% lower than at the start of the year; admissions to be 80% lower; and census 70% lower

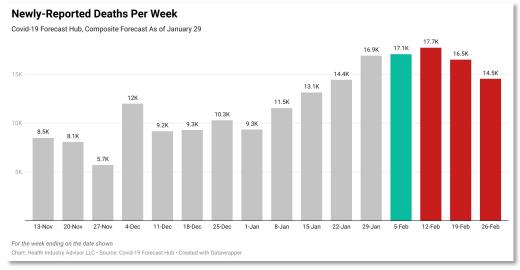






The ensemble forecast predicts declining infections throughout February; deaths peak this week





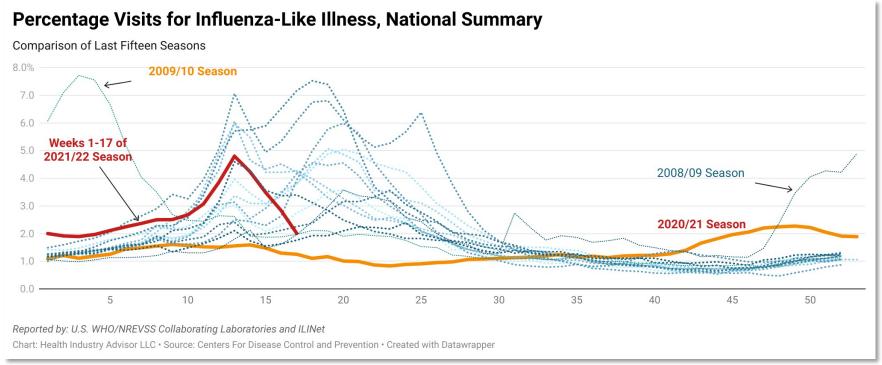
Actual Projection – Last Week

Projection - Next 3 Weeks

Source: Covid-19 Forecast Hub

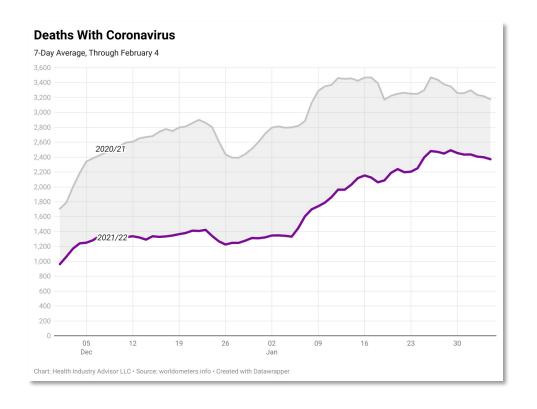
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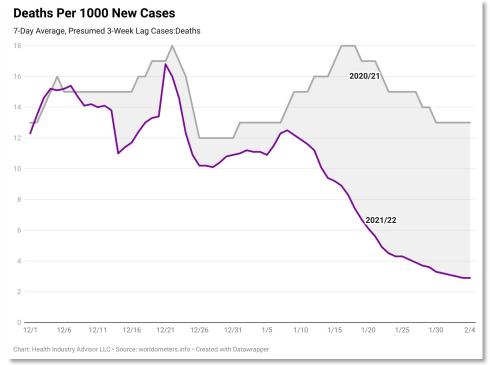
Flu visits dropped each of the last four weeks, without reaching typical seasonal peaks; Visits trended toward seasonal lows





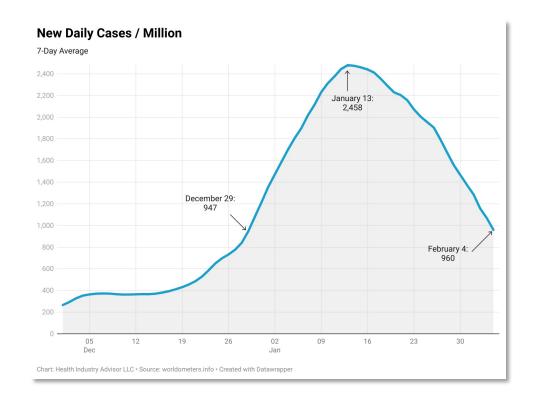
Deaths slowing and remain below levels reached a year ago. The case fatality rate nose-dived thus far during Omicron wave

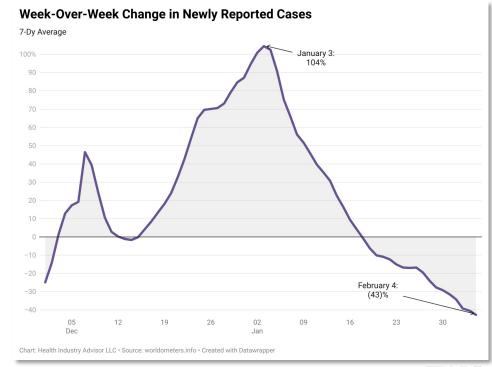






Daily cases per million tumbled to late 2021 levels. The rate of decline accelerated, suggesting further near-term relief





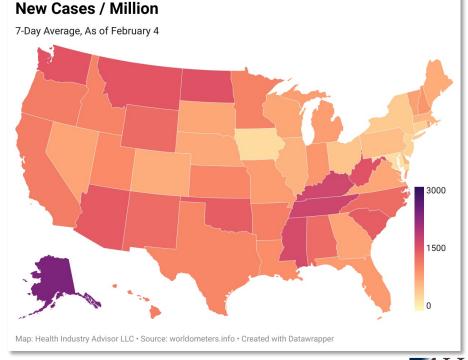


New case rates plummeted across the country, as seen in

this state-based view

As of January 21 **New Cases / Million** 7-Day Average, As of January 21 1500 Map: Health Industry Advisor LLC • Source: worldometers.info • Created with Datawrapper

As of February 4





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

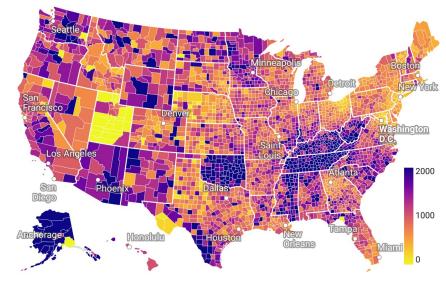
As of January 21

New Daily Infections / Million 7-Day Average, As of January 21 Seattle Boston Los Angeles Boston Phoenix Daily Infections / Million Map: Health Industry Advisor LLC · Source: Center for Systems Science and Engineering at Johns Hopkins University · Created with Datawrapper

As of February 4

New Daily Infections / Million

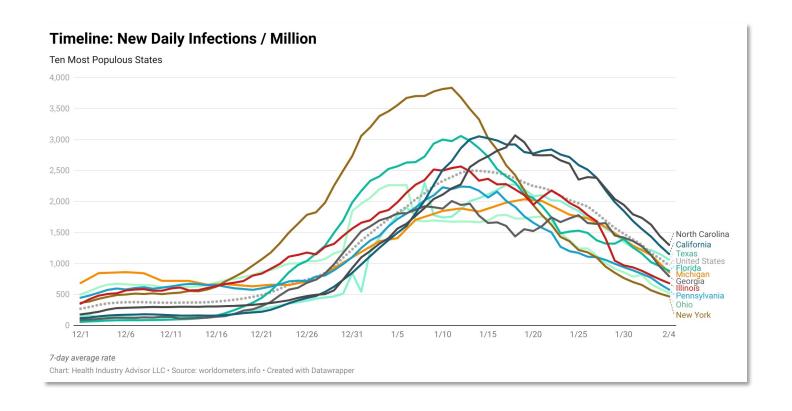
7-Day Average, As of February 4



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

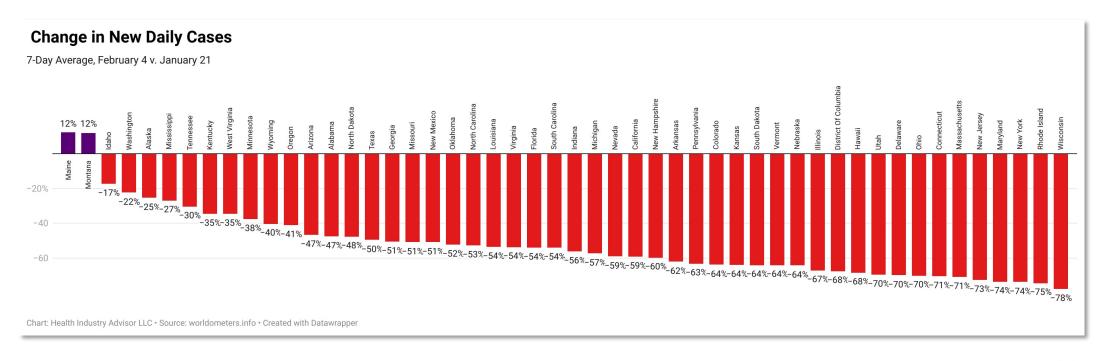


Case rates fell in a similar pattern across the most populous states



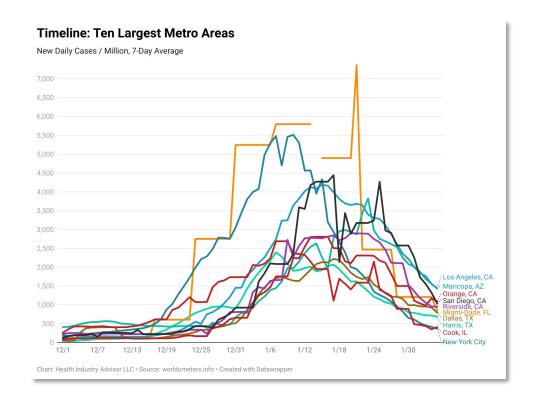


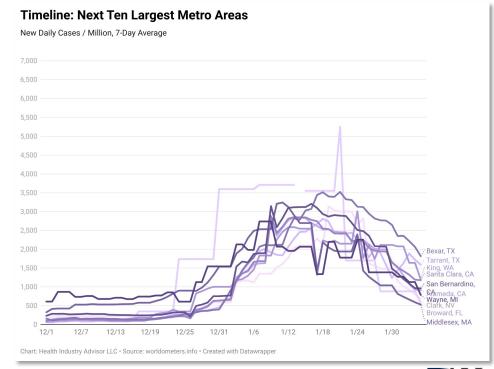
Only two states, Maine and Montana, recorded more new cases last week than a week earlier. Other states posted declines of 17-78% in one week





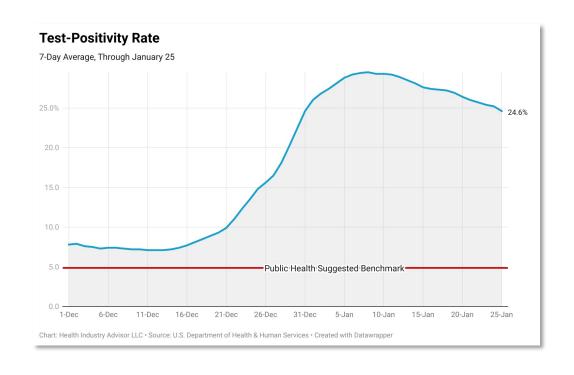
Case rates declined last week in each of the twenty largest metropolitan areas

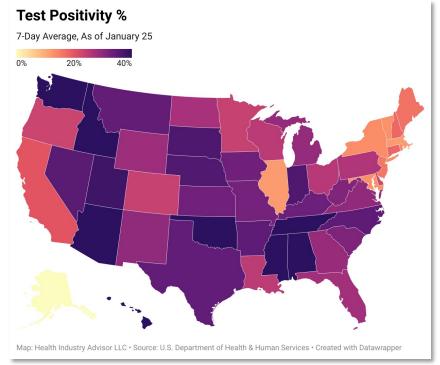






Test-positive rates eased further last week; However, rates remain higher than public health recommended levels

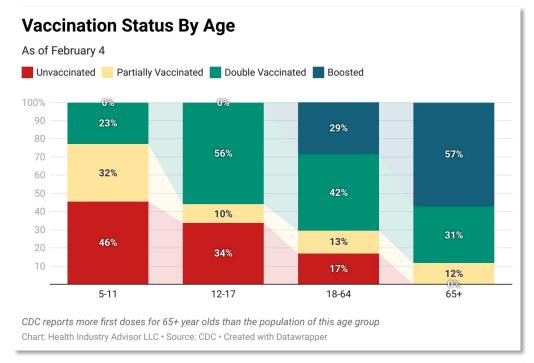






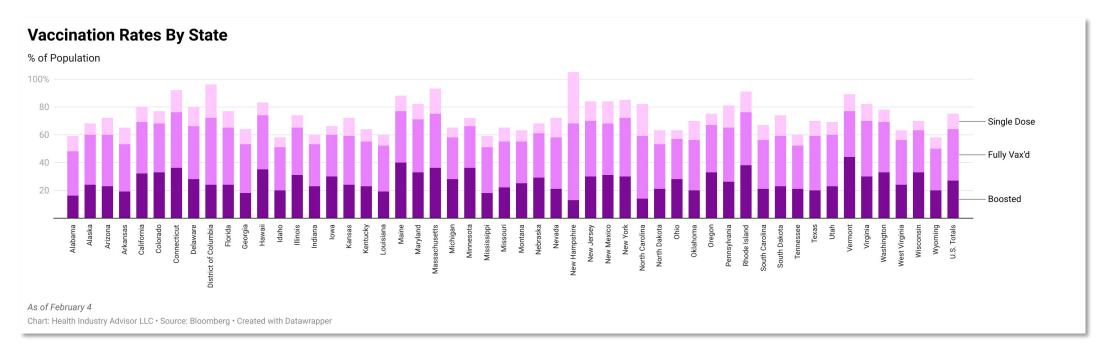
Vaccination status by age parallels expected risk of severe illness from Covid – increases with age

- Senior citizens:
 - 9 in 10 are fully vaccinated or boosted
 - ▶ 6 in 10 are boosted
- Working aged adults:
 - 7 in 10 are fully vaccinated or boosted
 - 3 in 10 are boosted
- Teenaged minors:
 - ▶ 6 in 10 are fully vaccinated
 - > 3+ in 10 are unvaccinated
- Eligible children:
 - ▶ Nearly 5 in 10 are unvaccinated



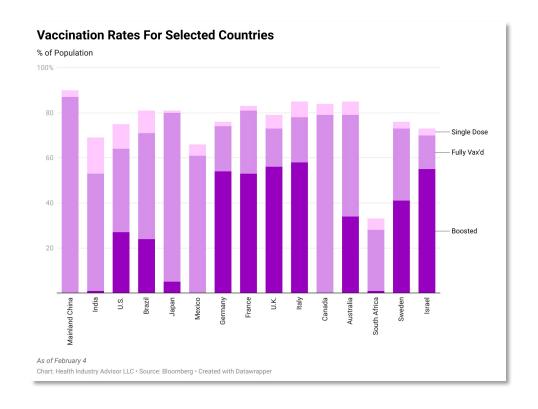


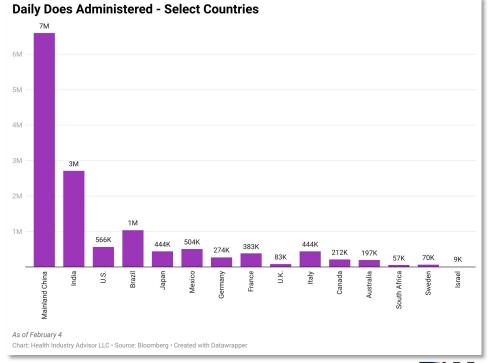
Vaccination status varies widely among the states: Vermont and Rhode lead in boosted rates; Alabama and Mississippi report the highest unvaccinated rates





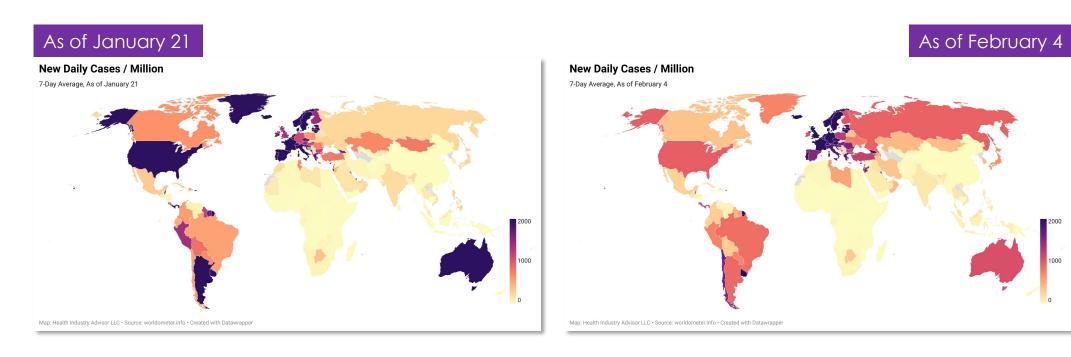
United States lags many large countries in vaccine uptake. China has fully vaccinated most of its citizens. Germany, Italy, Israel, and the UK have boosted more than half their residents







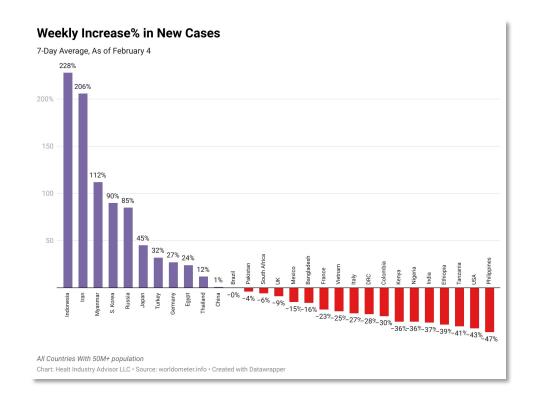
Case rates eased in the past two weeks in several global hotspots. Brazil and Russia experienced high, surging case rates

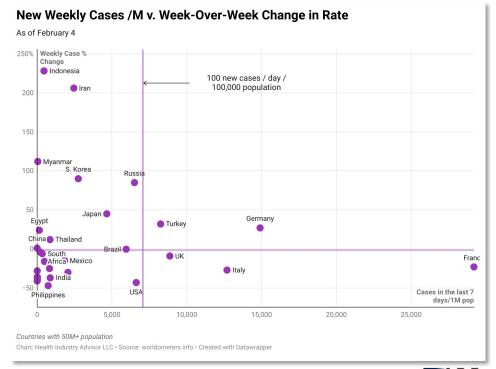






Case rates tripled in a week in Indonesia and Iran; doubled in Myanmar. The US posted the second largest decline in case rates among large countries globally







Sources

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- Centers for Disease Control and Prevention, COVID Data Tracker https://www.cdc.gov/covid-data-tracker/index.html#mobility
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