



NORTHEAST

BUSINESS GROUP ON HEALTH

COVID-19 Update

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Medical Director NEBGH

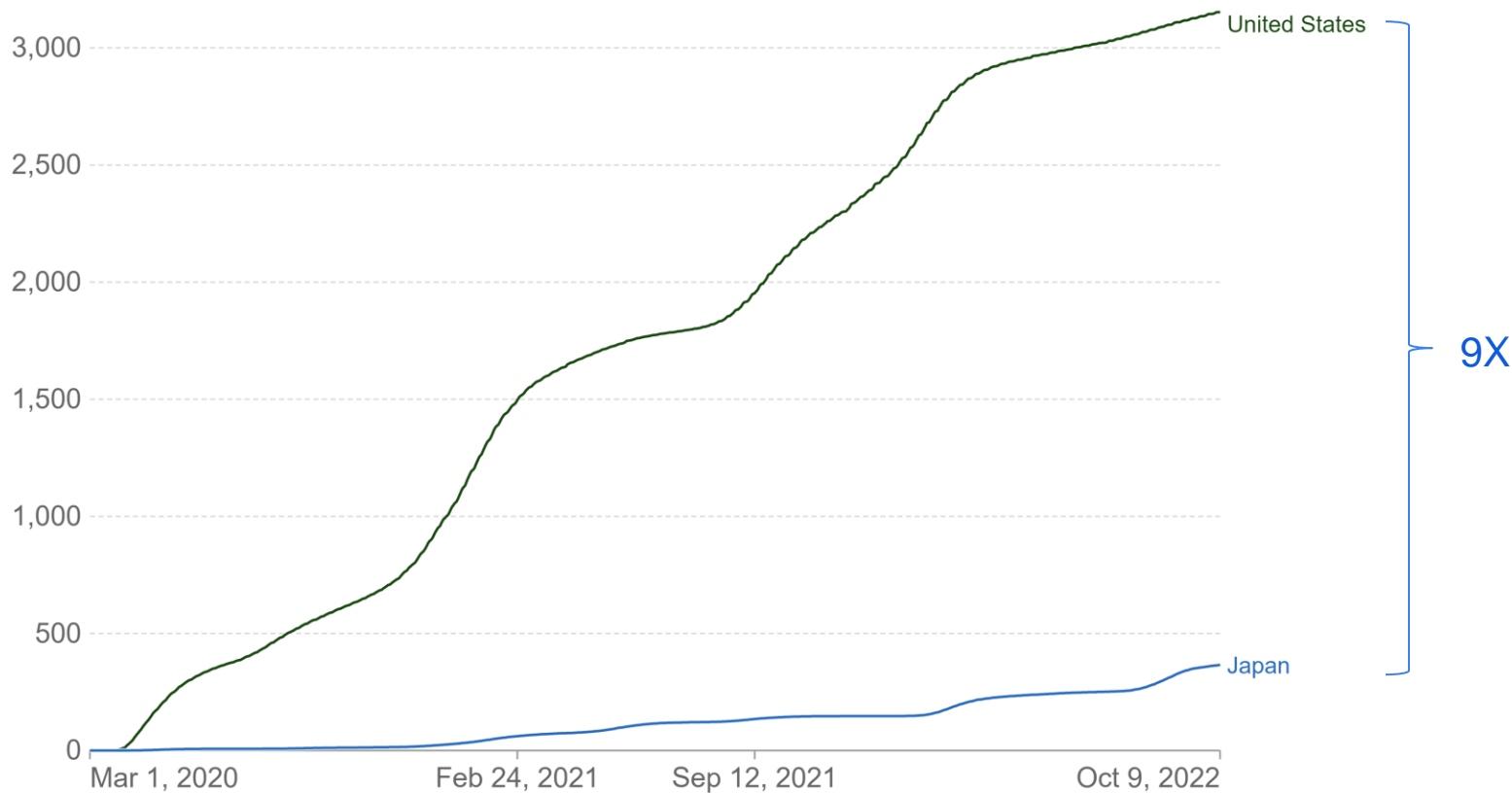
Tuesday, October 11th, 2022



Cumulative confirmed COVID-19 deaths per million people

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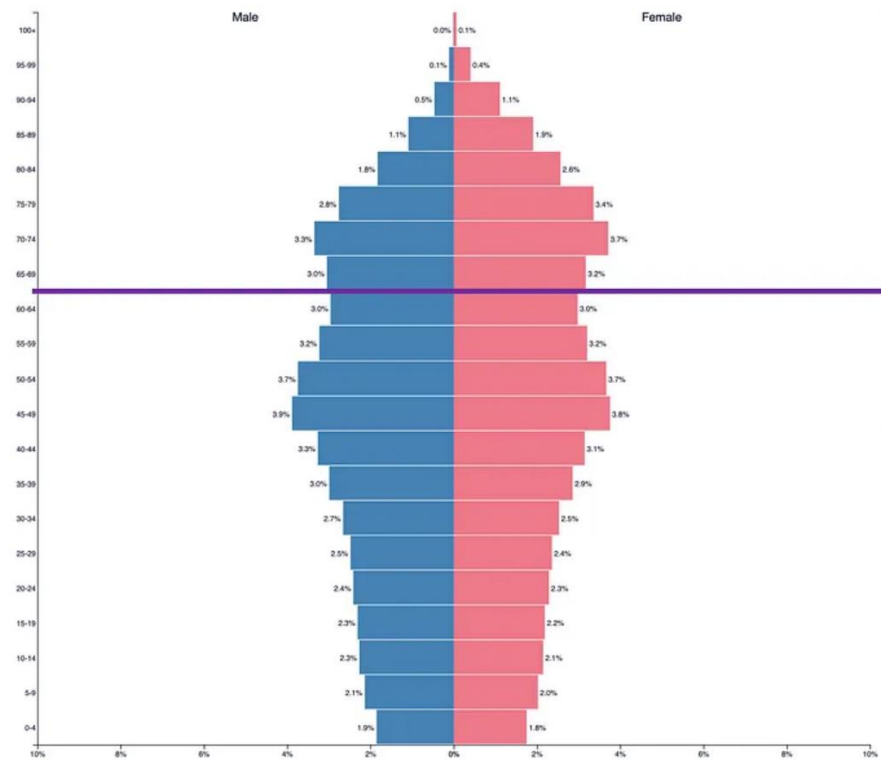
Due to varying protocols and challenges in the attribution of the cause of death, the number of confirmed deaths may not accurately represent the true number of deaths caused by COVID-19.



Japan ▼
2022

24.6% 65+

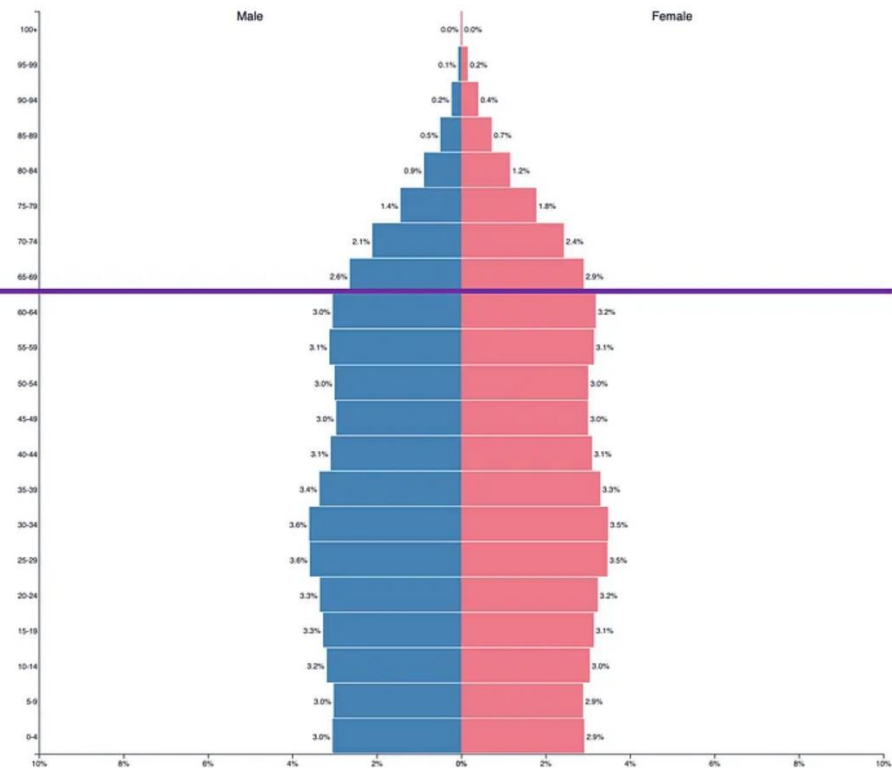
Population: 125,584,839



United States of America ▼
2022

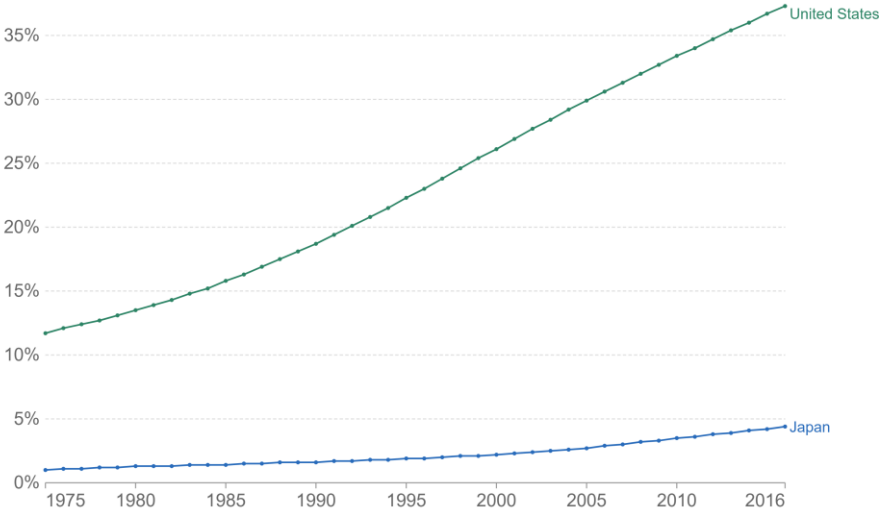
15.3% 65+

Population: 334,805,268



Share of adults that are obese, 1975 to 2016

Obesity is defined as having a body-mass index (BMI) equal to, or greater than, 30. BMI is a person's weight (in kilograms) divided by their height (in meters) squared.



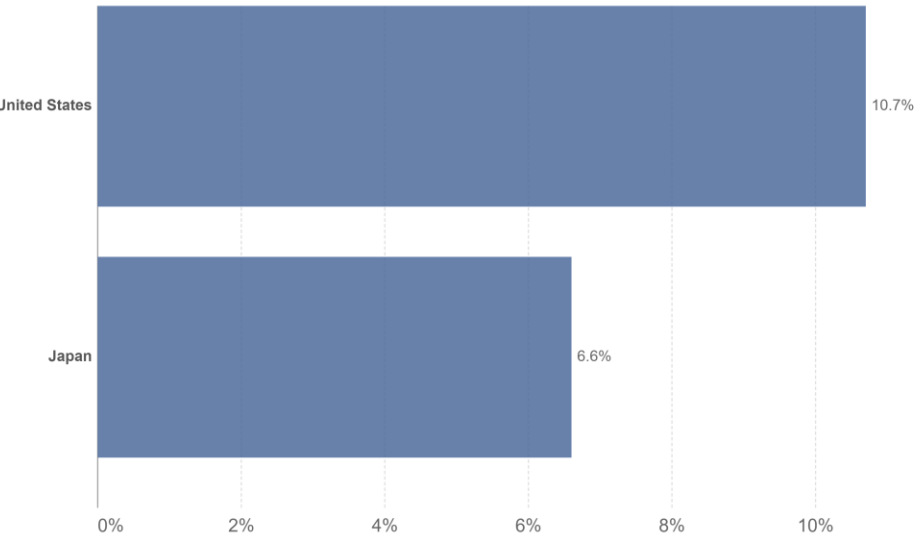
Source: WHO, Global Health Observatory (2022)

OurWorldInData.org/obesity • CC BY



Diabetes prevalence, 2021

Diabetes prevalence refers to the percentage of people ages 20-79 who have type 1 or type 2 diabetes.

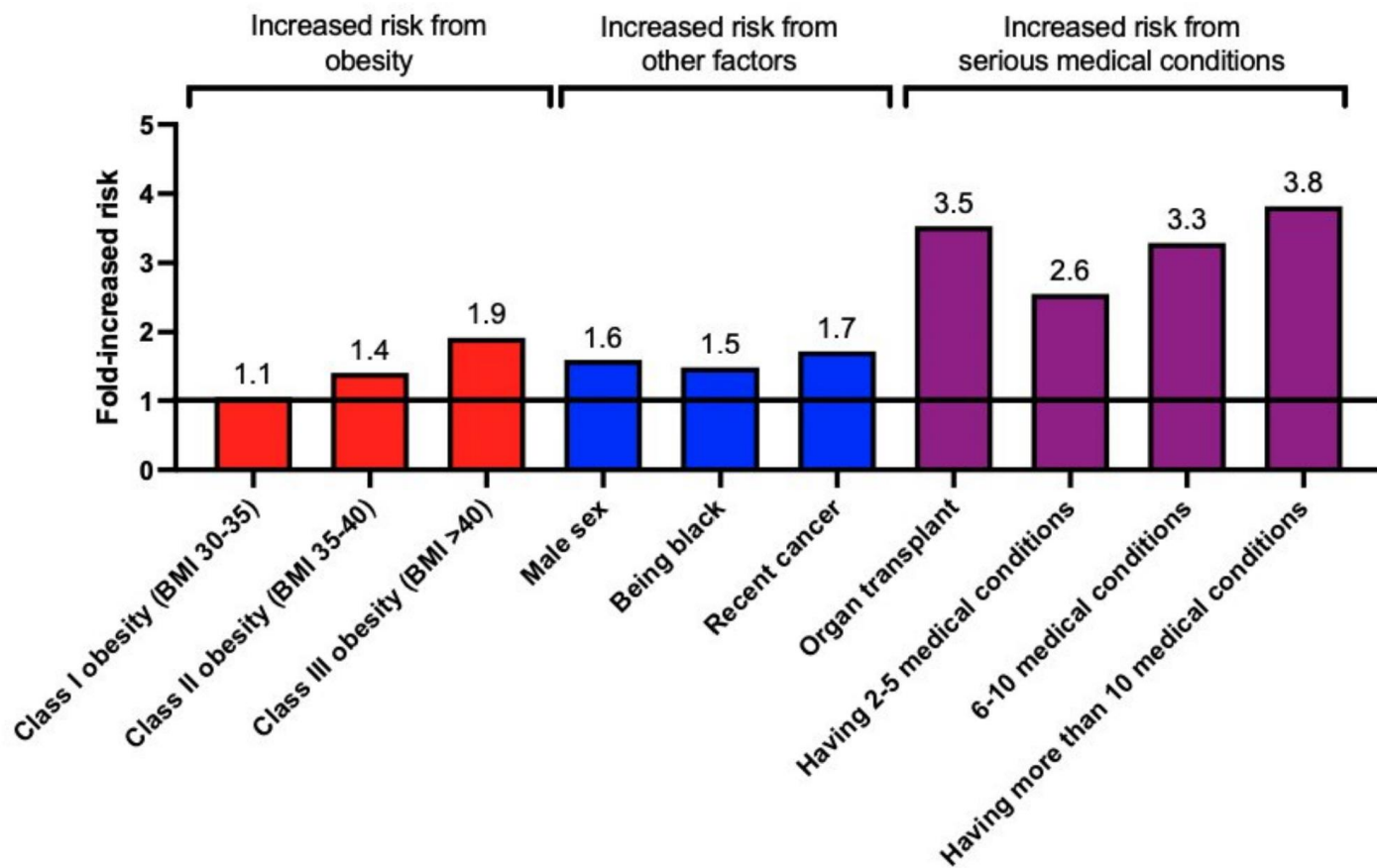


Source: International Diabetes Federation (via World Bank)

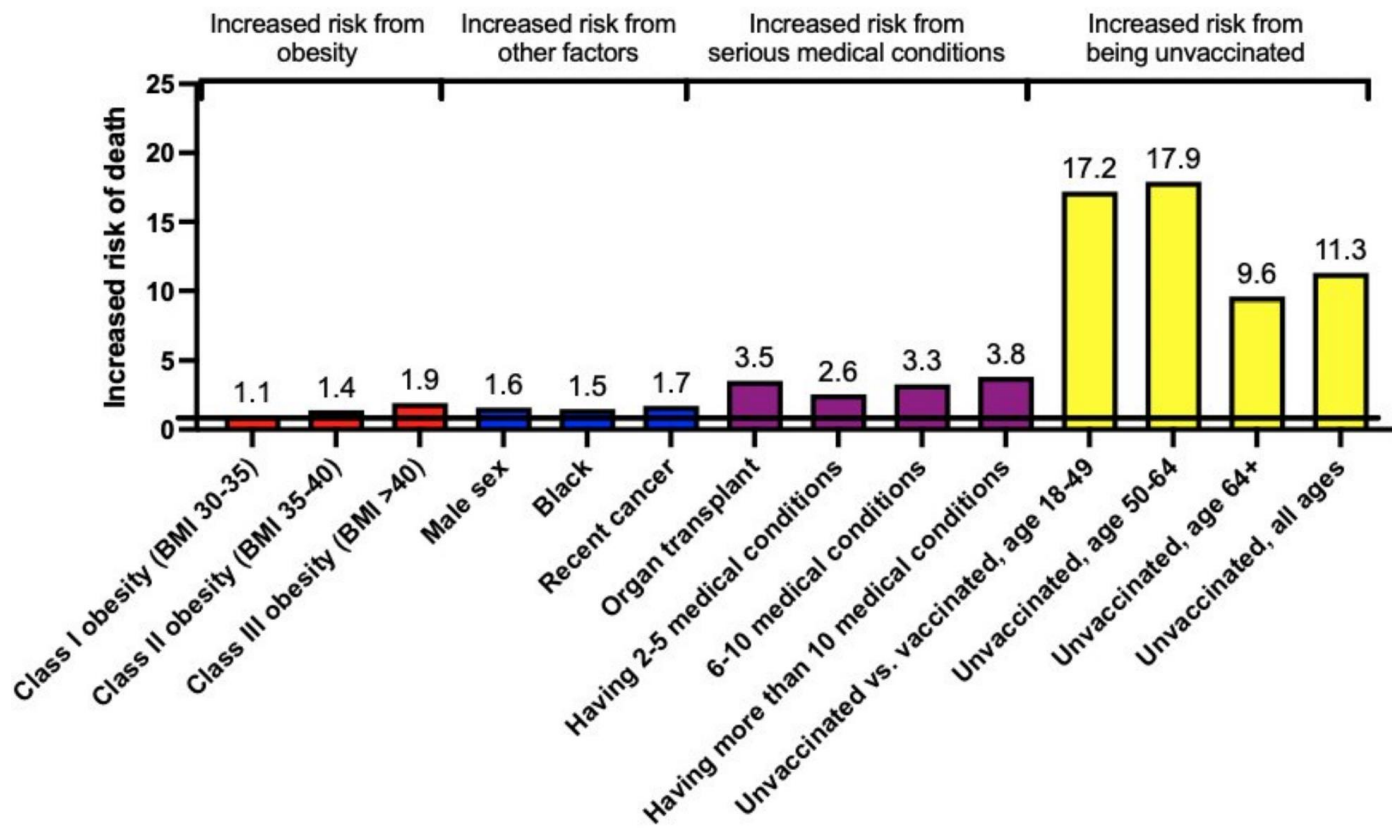


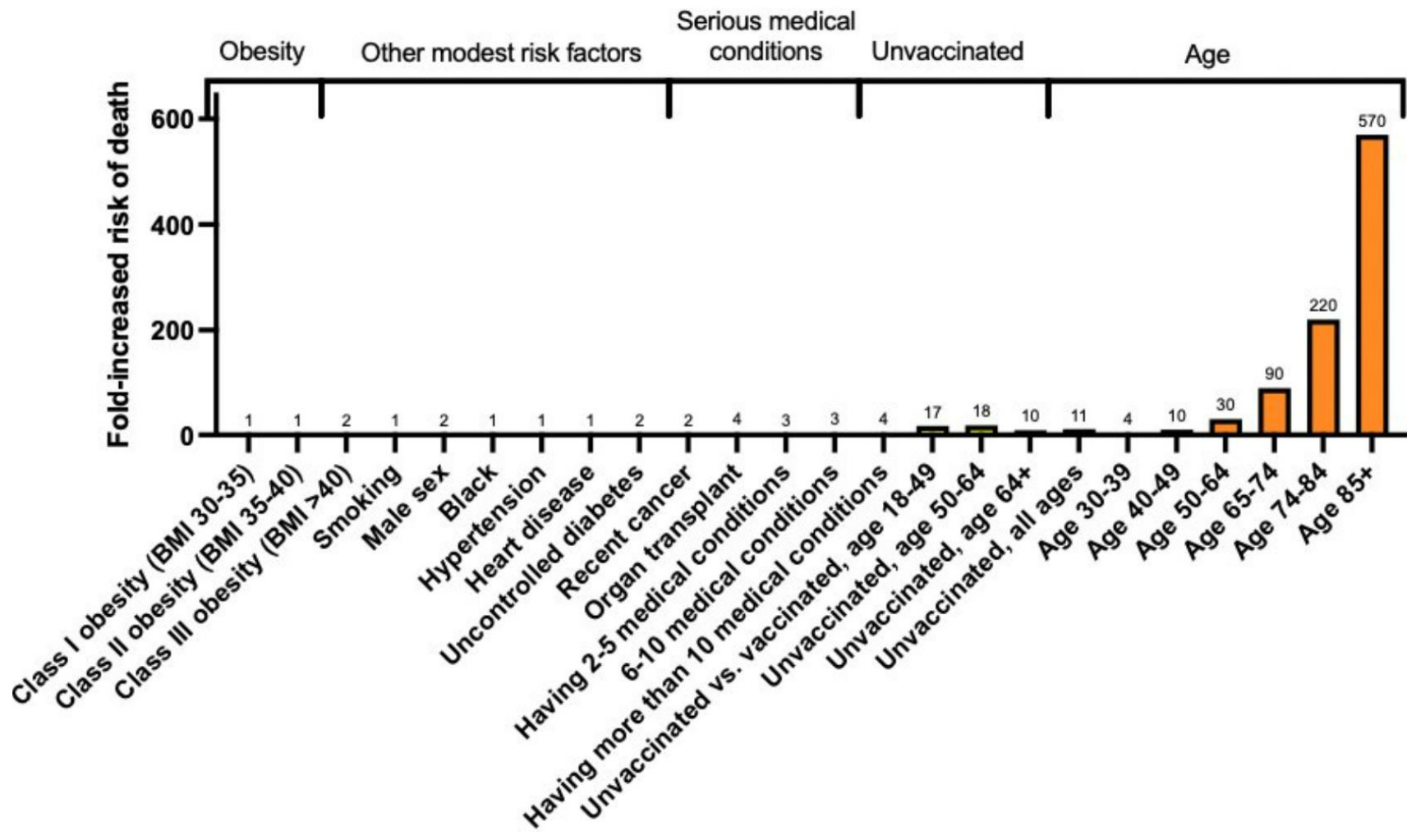
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Obesity is a modest risk factor for death from COVID



Even the most deadly comorbidities are far outstripped by not being vaccinated





Important notice for preventing COVID-19 outbreaks.

Avoid the “Three Cs”!

1. Closed spaces with poor ventilation.

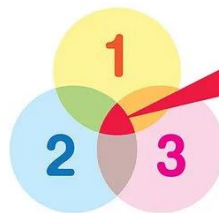
2. Crowded places with many people nearby.

3. Close-contact settings such as close-range conversations.



One of the key measures against COVID-19 is to prevent occurrence of clusters.

Keep these “Three Cs” from overlapping in daily life.



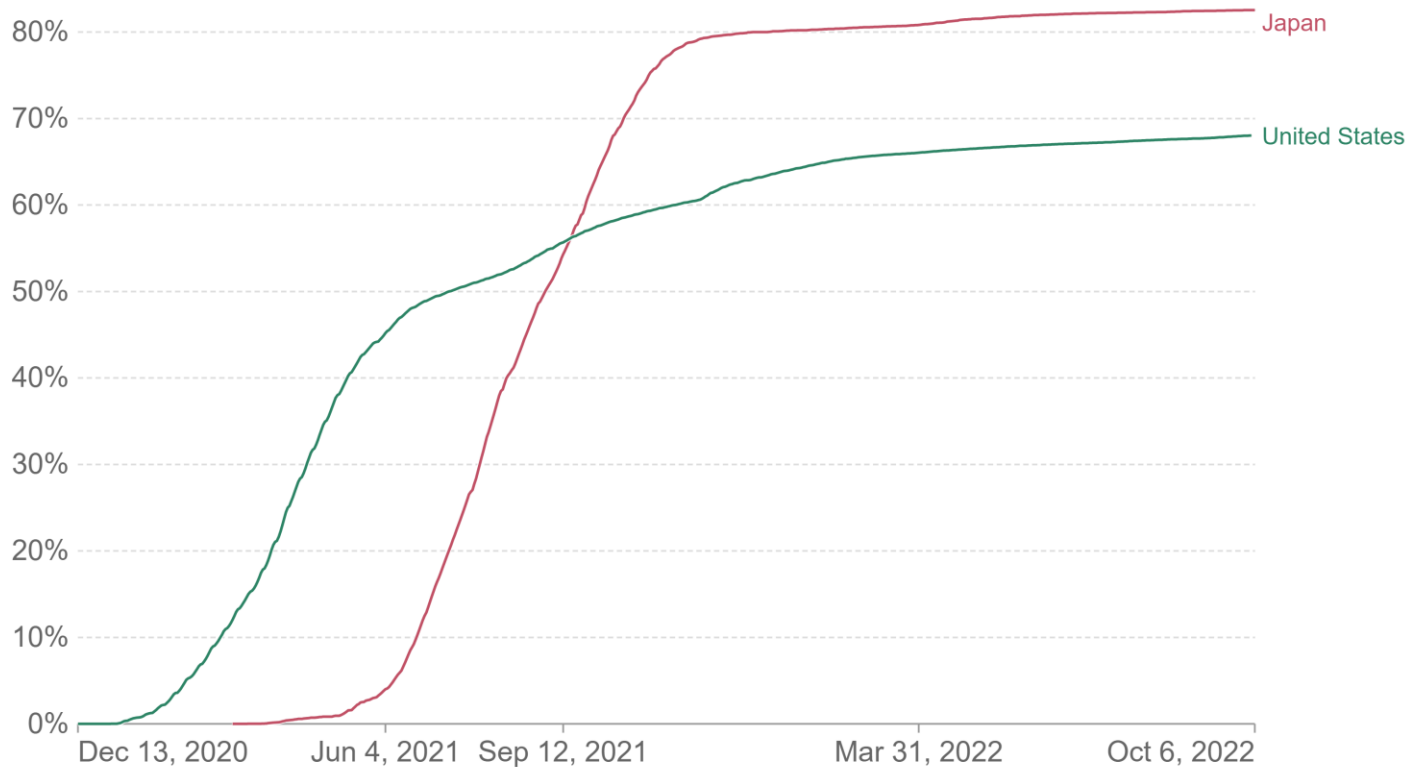
The risk of occurrence of clusters is particularly high when the “Three Cs” overlap!

In addition to the “Three Cs,” items used by multiple people should be cleaned with disinfectant.



Share of people who completed the initial COVID-19 vaccination protocol

Total number of people who received all doses prescribed by the initial vaccination protocol, divided by the total population of the country.



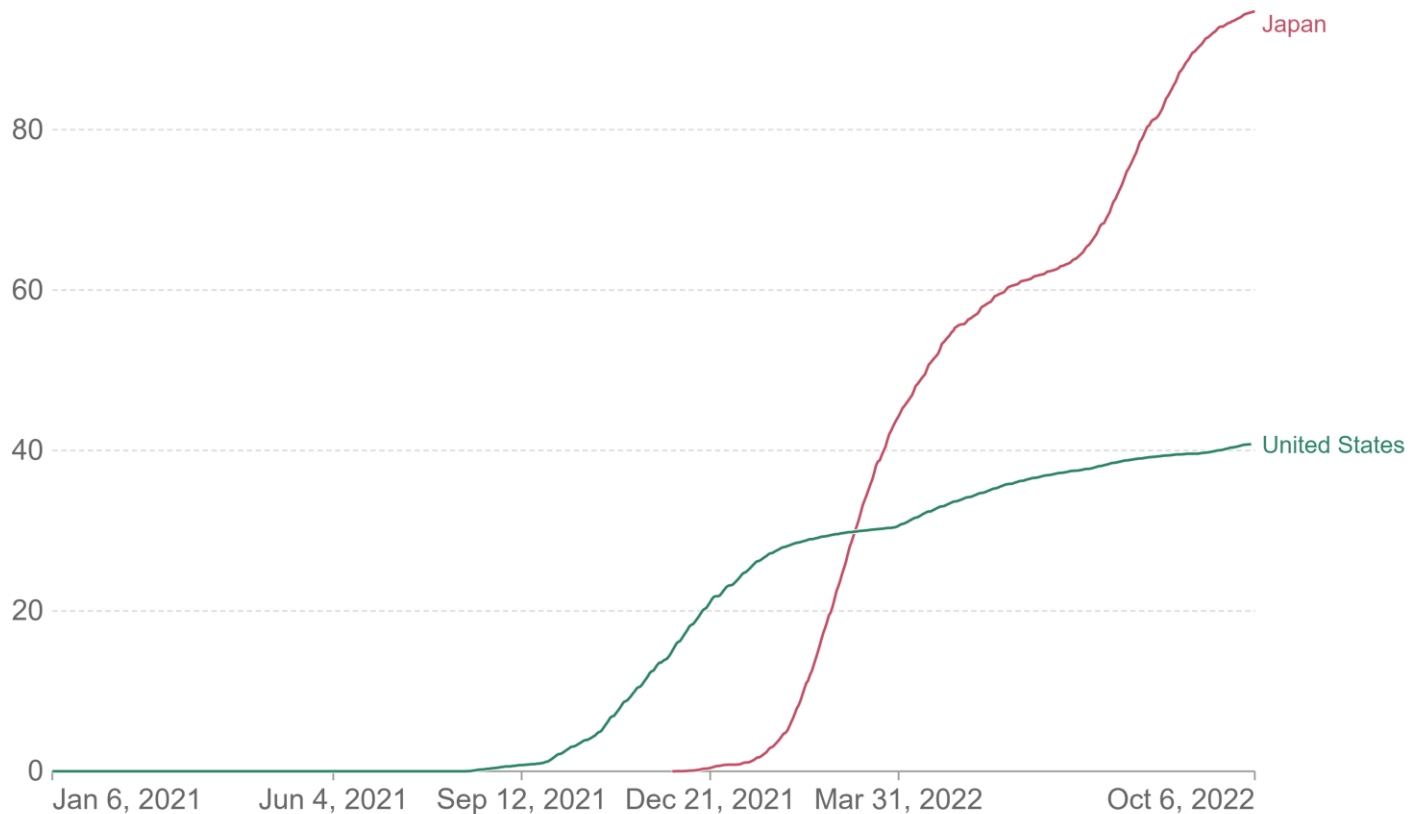
Source: Official data collated by Our World in Data

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Note: Alternative definitions of a full vaccination, e.g. having been infected with SARS-CoV-2 and having 1 dose of a 2-dose protocol, are ignored to maximize comparability between countries.

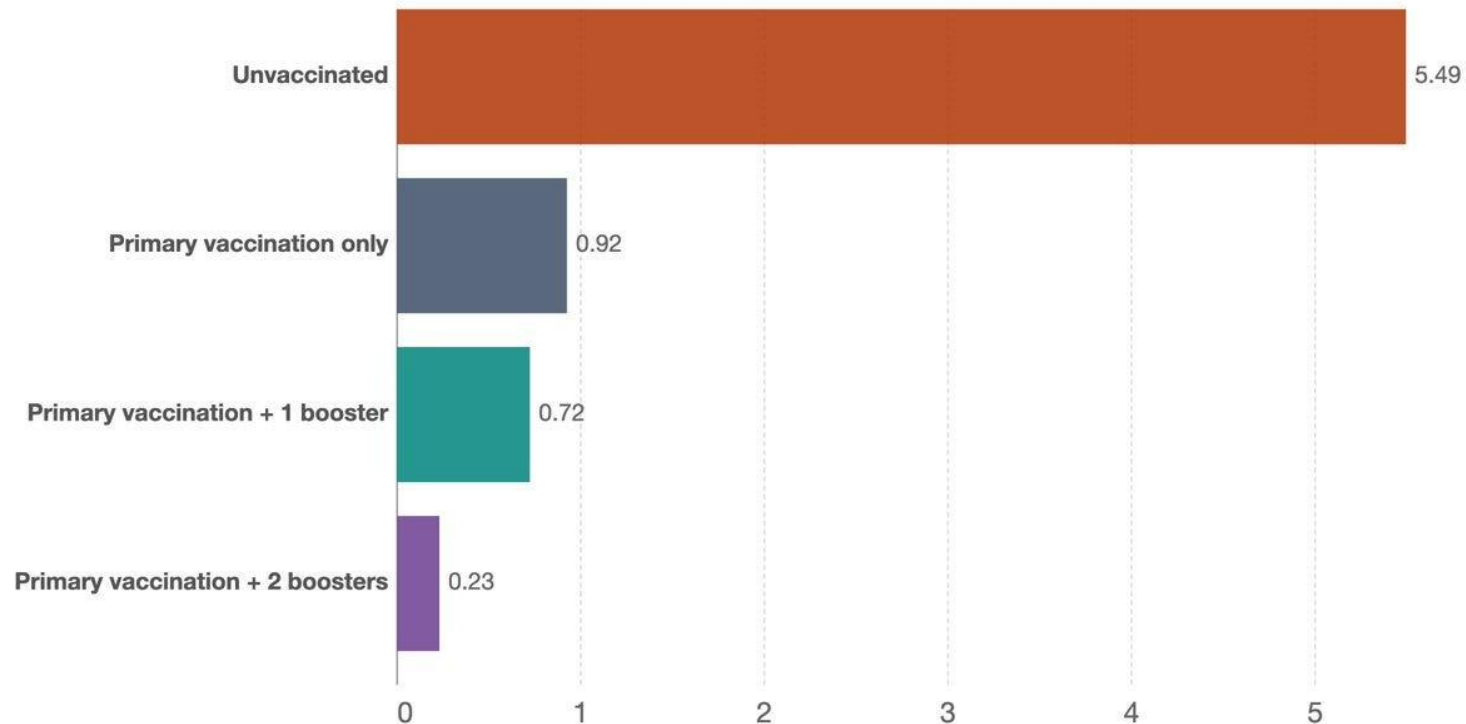
COVID-19 vaccine boosters administered per 100 people

Total number of vaccine booster doses administered, divided by the total population of the country. Booster doses are doses administered beyond those prescribed by the original vaccination protocol.



United States: COVID-19 weekly death rate by vaccination status, All ages, May 28, 2022

Death rates are calculated as the number of deaths in each group, divided by the total number of people in this group. This is given per 100,000 people.



Source: CDC COVID-19 Response, Epidemiology Task Force

OurWorldInData.org/coronavirus • CC BY

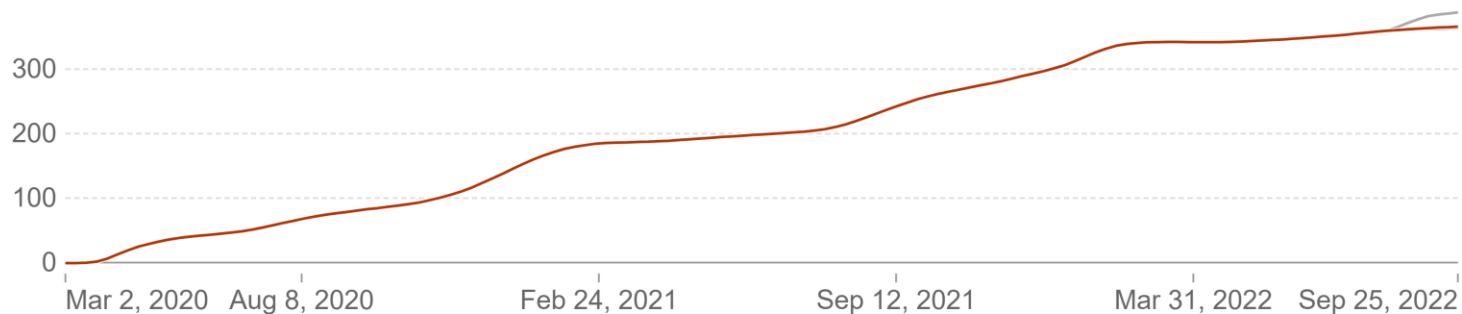
Note: Unvaccinated people have not received any dose. Partially-vaccinated people are excluded. The mortality rate for the 'All ages' group is age-standardized to account for the different vaccination rates of older and younger people.

Estimated cumulative excess deaths per 100,000 people during COVID-19

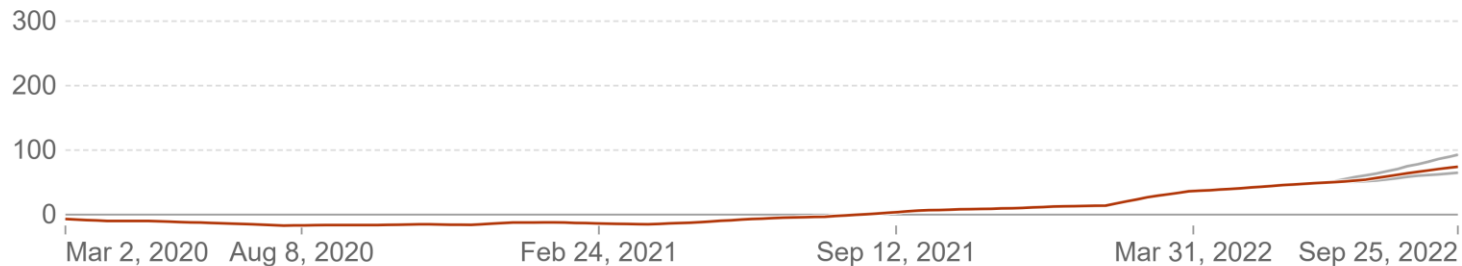
For countries that have not reported all-cause mortality data for a given week, an estimate is shown, with uncertainty interval. If reported data is available, that value only is shown. On the map, only the central estimate is shown.

Central estimate Lower bound, 95% uncertainty interval Upper bound

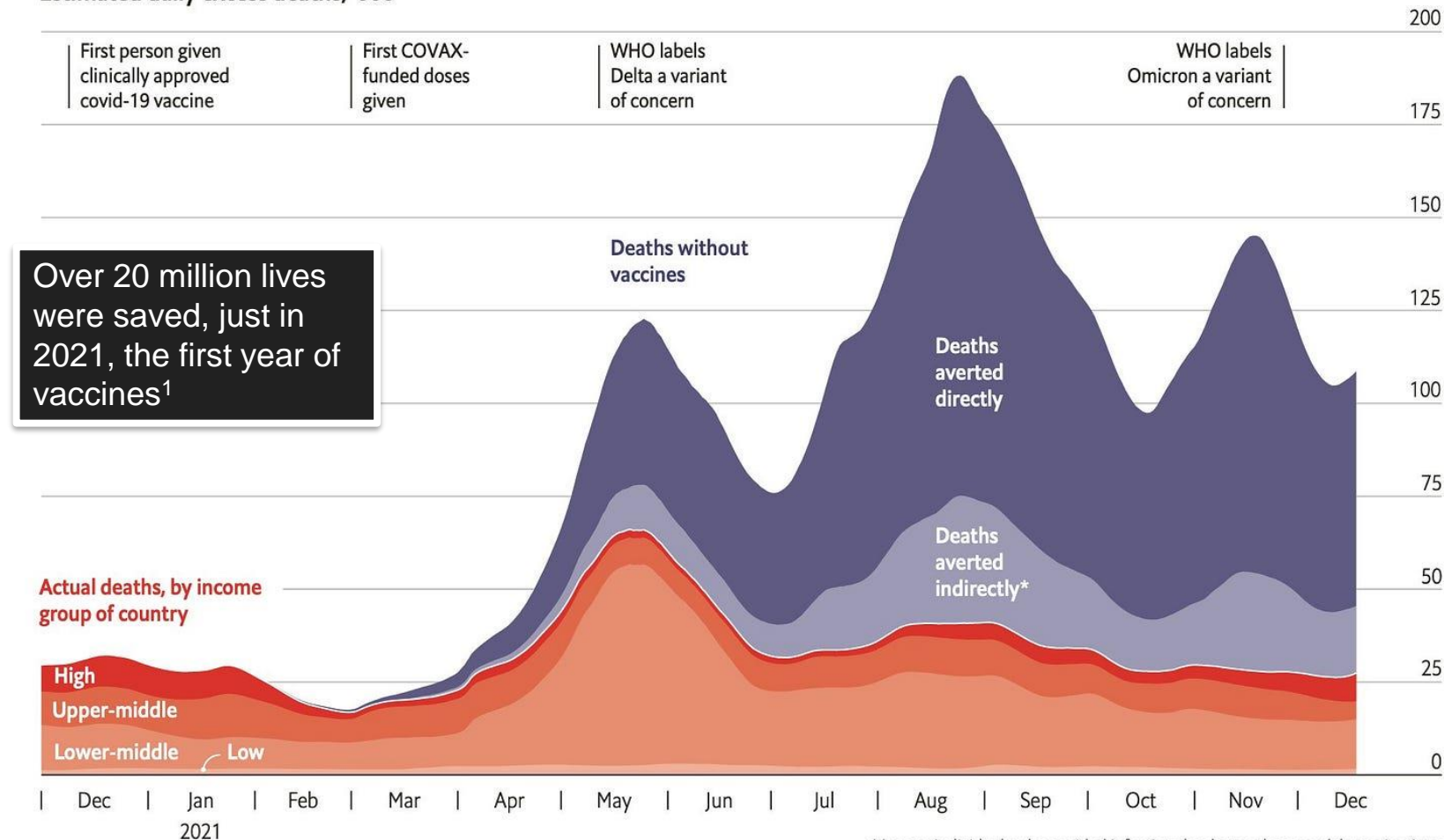
United States



Japan



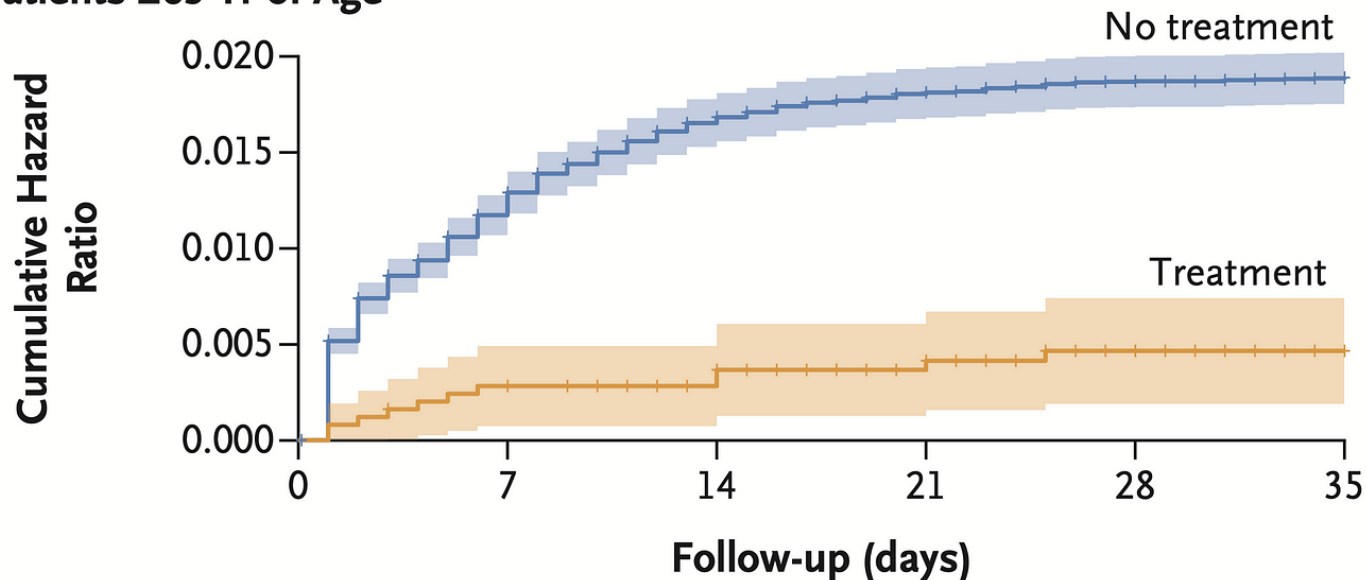
Estimated daily excess deaths, '000



1. <https://www.economist.com/graphic-detail/2022/07/07/covid-19-vaccines-saved-an-estimated-20m-lives-during-their-first-year>

*Among individuals who avoided infection thanks to other people's vaccinations

A Patients ≥ 65 Yr of Age



No. at Risk

No treatment	42,821	39,802	38,842	37,174	34,548	30,408
Treatment	2,483	2,475	2,370	2,117	1,841	1,498

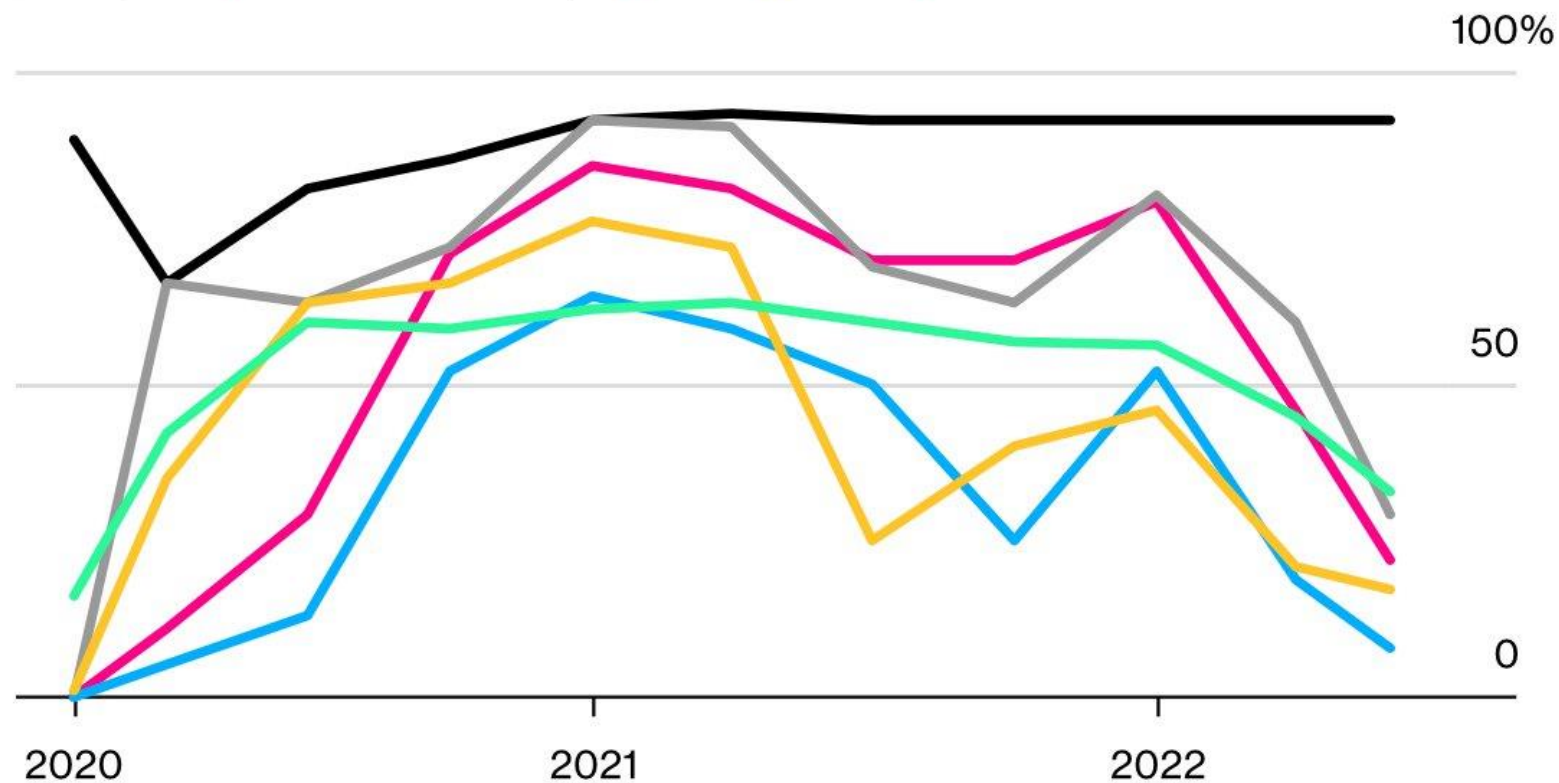
Cumulative No. of Events

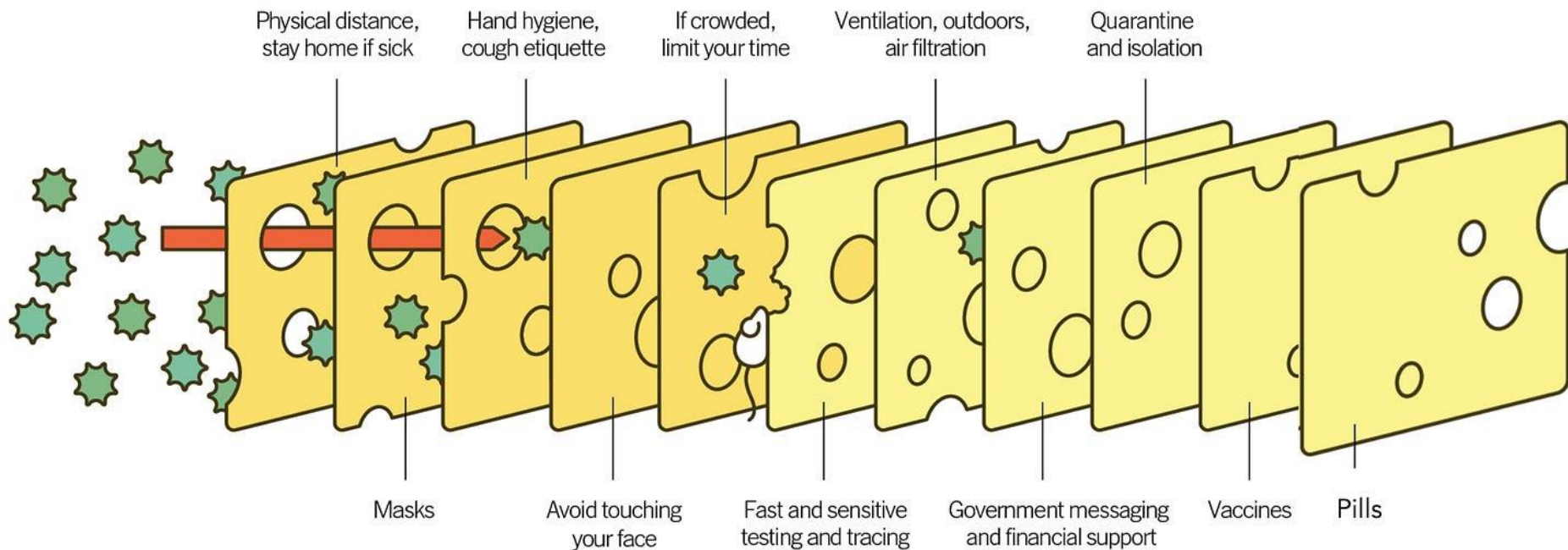
No treatment	0	535	690	739	760	766
Treatment	0	7	9	10	11	11

Masked Up

Japan outperforms G-7 peers on mask use

Japan Canada Italy UK US Global

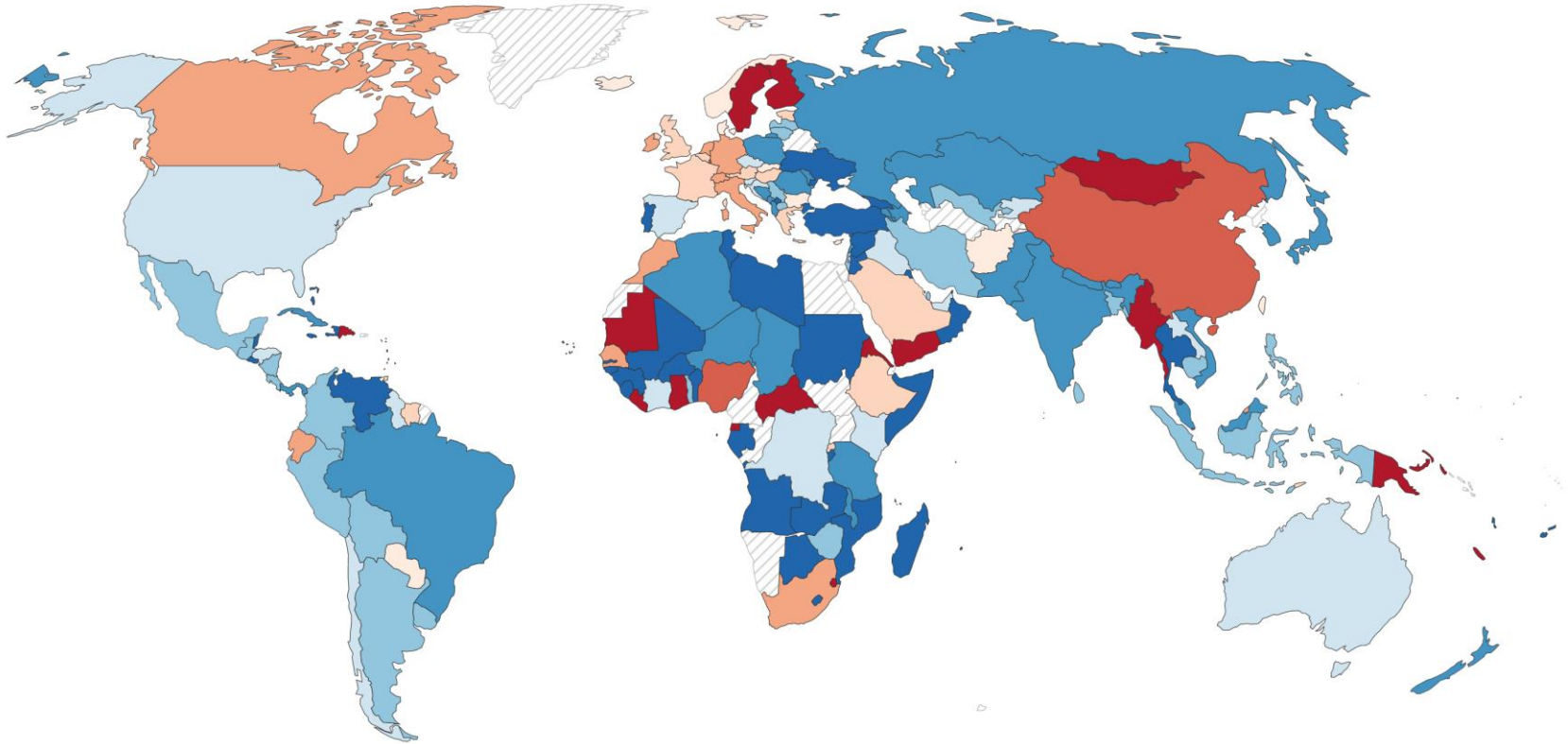




Source: Adapted from Ian M. Mackay (virologydownunder.com) and James T. Reason. Illustration by Rose Wong

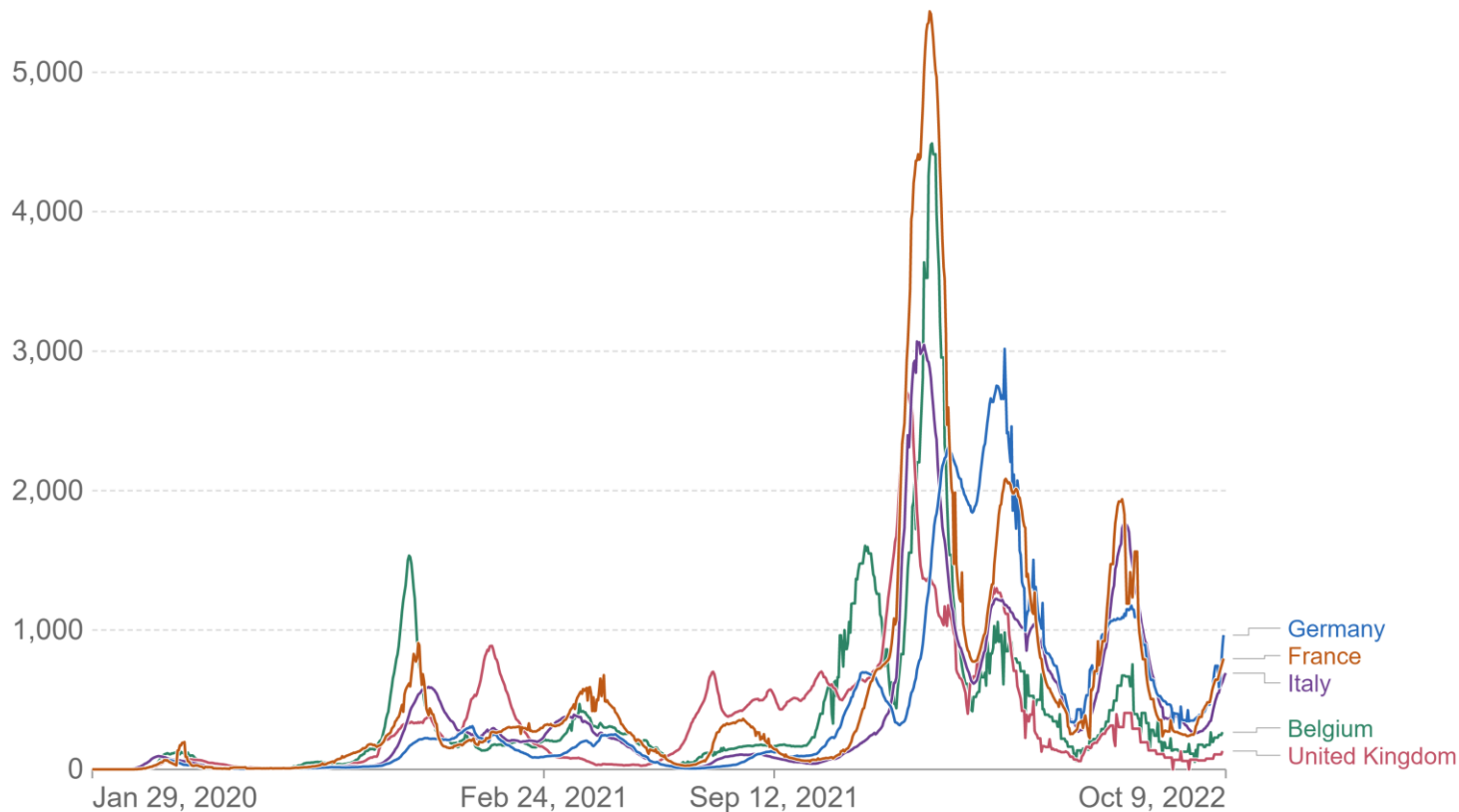
Week by week change in confirmed COVID-19 cases, Oct 9, 2022

The weekly change on any given date measures the percentage change in the number of new confirmed cases over the last seven days relative to the number in the previous seven days. Due to limited testing, the number of confirmed cases is lower than the true number of infections.



Daily new confirmed COVID-19 cases per million people

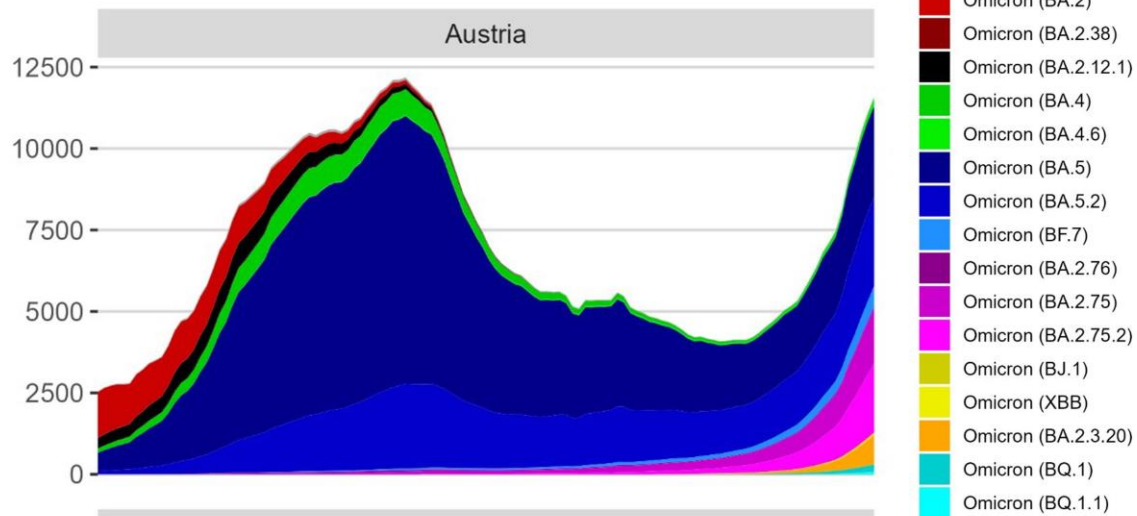
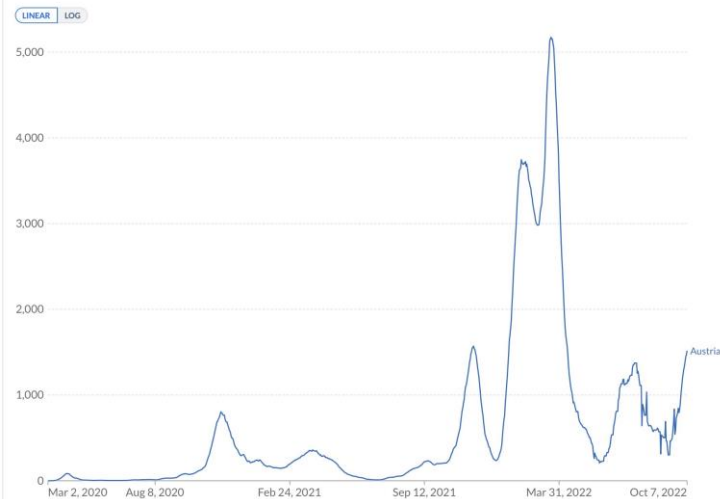
7-day rolling average. Due to limited testing, the number of confirmed cases is lower than the true number of infections.



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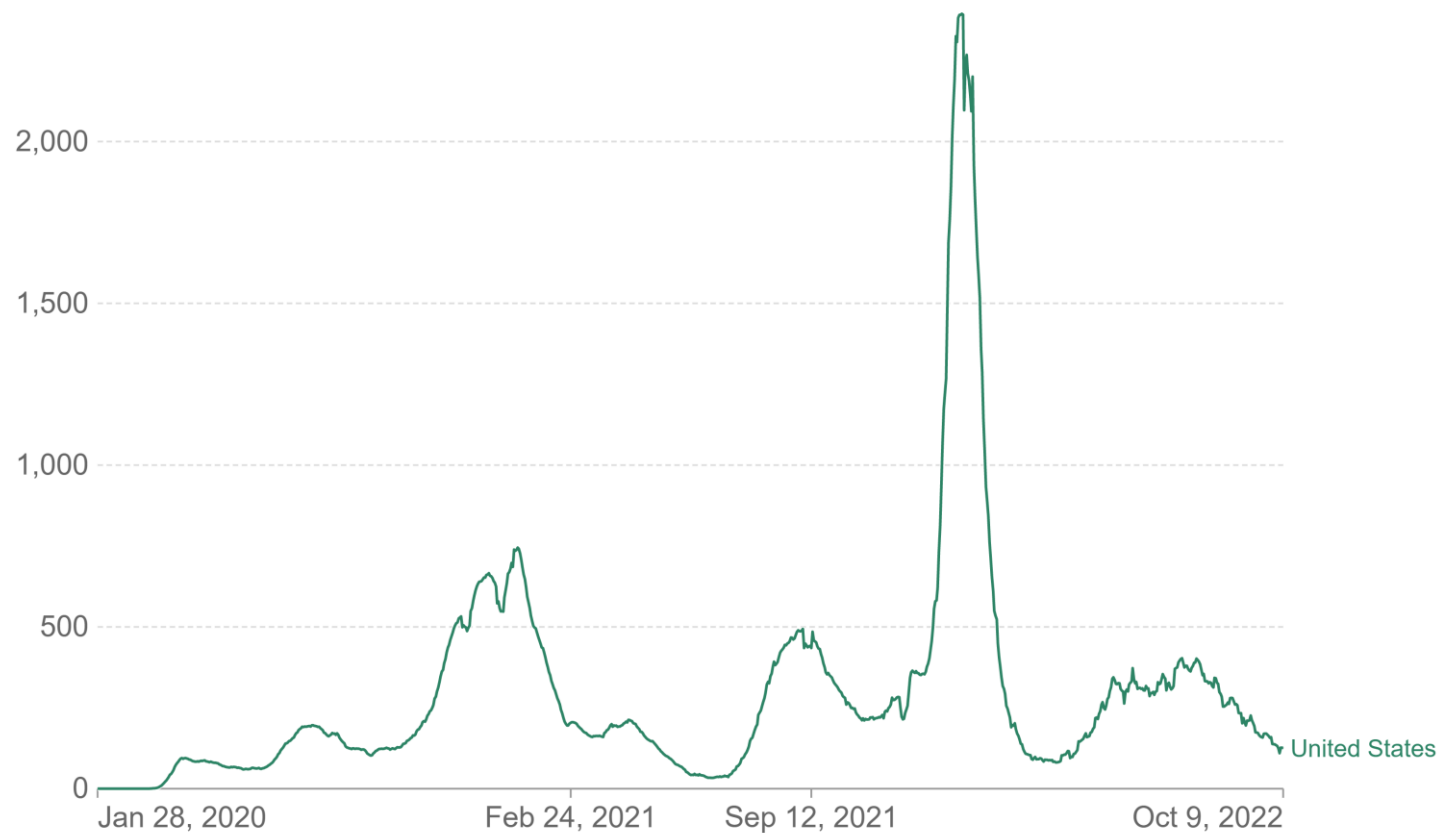


Singapore



Daily new confirmed COVID-19 cases per million people

7-day rolling average. Due to limited testing, the number of confirmed cases is lower than the true number of infections.

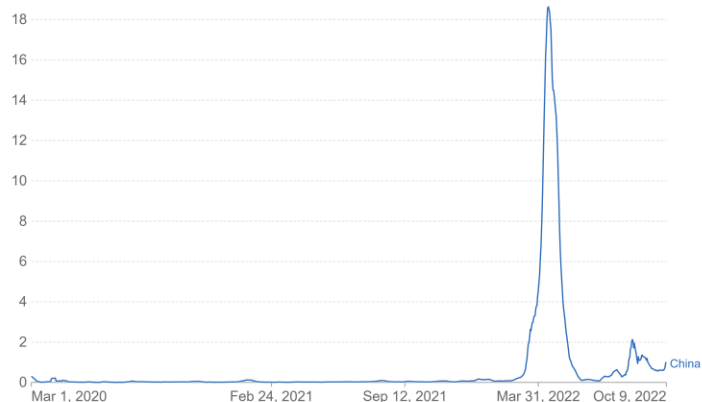


China

Daily new confirmed COVID-19 cases per million people

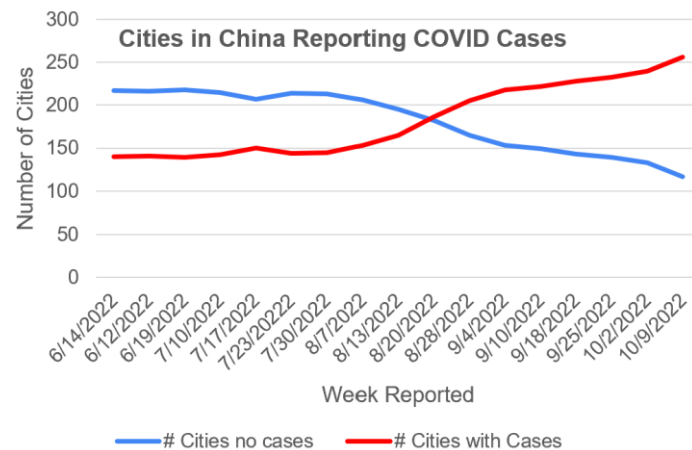
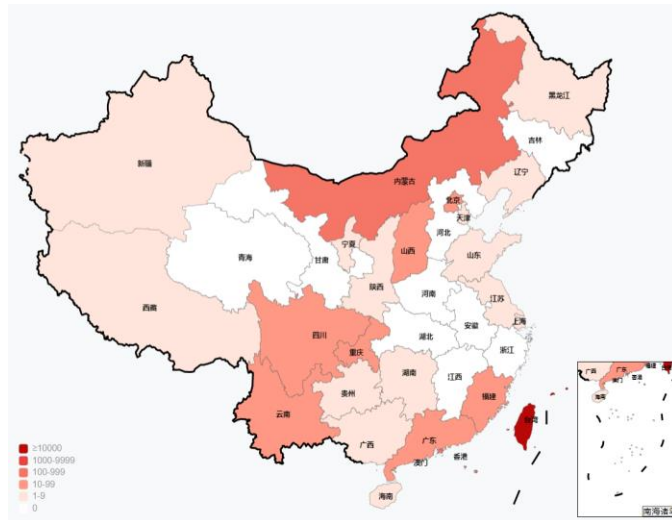
7-day rolling average. Due to limited testing, the number of confirmed cases is lower than the true number of infections.

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Source: Johns Hopkins University CSSE COVID-19 Data

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Questions

Upcoming NEBGH virtual events:

- Nov. 7 – Monday Bi-Weekly COVID Update w/ Dr. Mark
- Nov. 10 – 2022 Mid-Term Elections: What They Mean for Employers
- Nov. 17 – Up & Comers with Sandi Stein
- Nov. 28 – Monday Bi-Weekly COVID Update w/ Dr. Mark
- Dec. 1 – Getting the Bang Out of Your Navigation Buck
- Dec. 6 – 28th Annual Tribute to Leadership – *In person!*
- Dec. 8 – The State of Women's Mental Health