Institute for Health Metrics and Evaluation

Data Release Information Sheet

Data Summary

Dataset name: COVID-19 Mortality, Infection, Testing, Hospital Resource Use, and Social Distancing Projections

Summary:

IHME has developed projections for cumulative and daily deaths, vaccine coverage, hospital resource use, daily infections and testing, mask use, and social distancing due to COVID-19 for a number of countries. Forecasts at the subnational level are included for select countries. The projections for cumulative deaths, daily deaths, daily infections and social distancing each include three scenarios:

The **reference scenario** is our forecast of what we think is most likely to happen:
- Vaccines are distributed at the expected pace. Brand- and variant-specific vaccine efficacy is updated using the latest available information from peer-reviewed publications and other reports.
- Future mask use will decline to 50% of the minimum level it reached between January 1, 2021, and May 1, 2022. This decline begins after the last observed data point in each location and transitions linearly to the minimum over a period of six weeks.
- Mobility increases as vaccine coverage increases.
- 80% of those who are fully vaccinated (two doses for most vaccines, or one dose for Johnson & Johnson) receive an additional dose six months after becoming fully vaccinated, and 80% of those who receive an additional dose receive a second additional dose six months later.
- Antiviral utilization for COVID-19 risk prevention has reached 80% in high-risk populations and 50% in low-risk populations between March 1, 2022, and June 1, 2022. This applies in high-income countries, but not low- and middle-income countries, and this rollout assumption follows a similar pattern to global vaccine rollouts.

The **80% mask use scenario** makes all the same assumptions as the reference scenario but assumes all locations reach 80% mask use within seven days. If a location currently has higher than 80% use, mask use remains at the current level.

The **antiviral access scenario** makes all the same assumptions as the reference scenario but assumes globally distributed antivirals and extends coverage to all low- and middle-income countries between August 15, 2022, and September 15, 2022.

These projections are produced with a model that incorporates data on observed COVID-19 deaths, hospitalizations, and cases, information about mandates and other protective measures, mobility, and other factors. They include uncertainty intervals and are being updated daily with new data. These forecasts were developed in order to provide hospitals, policy makers, and the public with crucial

information about how expected need aligns with existing resources, so that cities and countries can best prepare.

Access current projections

Variable Information is available in the data_dictionary.csv

Acknowledgements

Suggested Citation:

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Additional Information

Frequently asked questions

https://www.healthdata.org/covid/faqs

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Contact information

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