



Institute for Health Metrics and Evaluation

Data Release Information Sheet

Data Summary

Dataset name: COVID-19 Hospital Needs and Death Projections

Summary:

IHME has produced forecasts which show hospital bed use, need for intensive care beds, and ventilator use due to COVID-19 based on projected deaths for the United States, at the country and subnational level, and countries in the European Economic Area (EEA). Forecasts at the subnational level are included for three EEA countries: Germany, Italy, and Spain. These projections are produced by models based on observed death rates from COVID-19, and include uncertainty intervals. They incorporate information about social distancing and other protective measures 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](#)

Acknowledgements

Suggested Citation:

Institute for Health Metrics and Evaluation (IHME). COVID-19 Hospital Needs and Death Projections. Seattle, United States of America: Institute for Health Metrics and Evaluation (IHME), University of Washington, 2020.

Variable Information

Variable	Variable Description
location_name	Name of the state
date	Date
allbed_mean	Mean covid beds needed by day
allbed_lower	Lower uncertainty bound of covid beds needed by day
allbed_upper	Upper uncertainty bound of covid beds needed by day
ICUbed_mean	Mean ICU covid beds needed by day
ICUbed_lower	Lower uncertainty bound of ICU covid beds needed by day

Variable	Variable Description
ICUbed_upper	Upper uncertainty bound of ICU covid beds needed by day
InvVen_mean	Mean invasive ventilation needed by day
InvVen_lower	Lower uncertainty bound of invasive ventilation needed by day
InvVen_upper	Upper uncertainty bound of invasive ventilation needed by day
deaths_mean	Mean daily covid deaths
deaths_lower	Lower uncertainty bound of daily covid deaths
deaths_upper	Upper uncertainty bound of daily covid deaths
admis_mean	Mean hospital admissions by day
admis_lower	Lower uncertainty bound of hospital admissions by day
admis_upper	Upper uncertainty bound of hospital admissions by day
newICU_mean	Mean number of new people going to the ICU by day
newICU_lower	Lower uncertainty bound of the number of new people going to the ICU by day
newICU_upper	Upper uncertainty bound of the number of new people going to the ICU by day
totdea_mean	Mean cumulative covid deaths
totdea_lower	Lower uncertainty bound of cumulative covid deaths
totdea_upper	Upper uncertainty bound of cumulative covid deaths
bedover_mean	[covid all beds needed] - ([total bed capacity] - [average all bed usage])
bedover_lower	Lower uncertainty bound of bedover (above)
bedover_upper	Upper uncertainty bound of bedover (above)
icuover_mean	[covid ICU beds needed] - ([total ICU capacity] - [average ICU bed usage])
icuover_lower	Lower uncertainty bound of icuover (above)
icuover_upper	Upper uncertainty bound of icuover (above)

Additional Information

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Contact information

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