



Institute for Health Metrics and Evaluation

Data Release Information Sheet

Data Summary

Dataset name: United States COVID-19 Resiliency Estimates 2020-2022

Date of release: March 23, 2023

Summary:

This dataset includes estimates generated by IHME to assess the impact of COVID-19 in the USA and evaluate possible trade-offs between COVID-19 outcomes and the economy, employment, and education. The estimates include standardized cumulative infection and death rates, relative reductions in cumulative GDP and employment, and changes in student test scores. State-level estimates of cumulative death rates due to COVID-19 between January 1, 2020 and July 31, 2022 were extracted from IHME's COVID-19 database and standardized for age and the prevalence of key comorbidities. Estimates of cumulative SARS-Cov-2 infection rates between January 1, 2020 and December 15, 2021 were adjusted for population density. Monthly data on GDP and employment rates were sector-standardized and estimated relative to the expected non-pandemic value. Student standardized test scores were expressed as the change in mean 4th grade math and reading scores between 2019 and 2022.

Relevant publications and visualizations:

- COVID-19 Forecasting Team. Assessing COVID-19 pandemic policies and behaviours and their economic and educational trade-offs across US states from Jan 1, 2020, to July 31, 2022: an observational analysis. *The Lancet*. 23 March 2023.

Acknowledgements

Contributing organizations:

- Institute for Health Metrics and Evaluation

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Suggested Citation:

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Data Files Information

File Inventory

File Name	Description	Version Date
IHME_US_COVID_RESILIENCY_2020_2022_Y2023M03D23.CSV	COVID-19 Resiliency Estimates [CSV]	March 23, 2023
IHME_US_COVID_RESILIENCY_2020_2022_CODEBOOK_Y2023M03D23.CSV	Codebook [CSV]	March 23, 2023
IHME_US_COVID_RESILIENCY_2020_2022_INPUT_SOURCES_Y2023M03D23.CSV	Data Input Sources [CSV]	March 23, 2023
IHME_US_COVID_RESILIENCY_2020_2022_INFO_SHEET_Y2023M03D23.DOCX	Data Release Information Sheet	March 23, 2023

Variable Information

Variable	Variable Label	Variable Definition
measure_name	Measure Name	The measure (indicator) for the estimate
location_id	Location ID	A unique numeric identifier for the location generated and stored in an IHME database of data dimensions
location_name	Location Name	The location for the estimate
time_period	Time Period	Time period for the estimate
val	Value	Mean estimate
upper	Upper	97.5% percentile estimate
lower	Lower	2.5% percentile estimate

Additional Information

Terms and Conditions

<http://www.healthdata.org/about/terms-and-conditions>

Contact Information

To request further information about this dataset, please contact IHME:

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These files may be updated periodically, so we appreciate hearing feedback or additional information about how these data are being used.