



Health Inequality Data Repository

INDICATOR METADATA

COVID-19 vaccination (Global COVID-19 Trends and
Impact Survey)

July 2023

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About

This dataset is from the [WHO Health Inequality Data Repository](#).

This dataset contains data for indicators related to COVID-19 vaccination from the University of Maryland Global COVID-19 Trends and Impact Survey (UMD-CTIS), in partnership with Facebook, disaggregated by age, education, gender, health worker status and place of residence.

The UMD-CTIS collected data on a range of topics including burden, mental health, beliefs and behaviors, financial worry, information, testing, and vaccine coverage and hesitancy. Monthly country estimates are available from May 2020 to March 2022.

Data source

Disaggregated estimates (Contingency Tables) are published by the University of Maryland Social Data Science Center (https://covidmap.umd.edu/umdcsvs/Contingency_Tables/) using information collected via the UMD-CTIS, a global online survey implemented in partnership with Facebook. Data collection was launched on 23 April 2020 and ceased on 25 June 2022. The purpose of the UMD-CTIS was to monitor the spread and impact of the COVID-19 pandemic globally. For a detailed explanation of the survey, please refer to the resources available at <https://covidmap.umd.edu/>.

Methodology

For an overview of the survey design please see: <https://ojs.ub.uni-konstanz.de/srm/article/view/7761>

For the methodology of survey weights please see:
<https://dataforgood.facebook.com/dfg/resources/user-guide-for-ctis-weights>

For survey limitations please see: https://gisumd.github.io/COVID-19-API-Documentation/docs/survey_limitations.html

Country-level disaggregated estimates are available where sample sizes were at least 100 observations.

Dataset metadata

Date of first publication	April 2023
Date of updated publication	n/a
Expected frequency of update	n/a
Date of data extraction	March 2022
Temporal coverage	01/05/2020 – 31/03/2022
Spatial coverage	Global
Spatial granularity	National
Number of countries, territories or areas	109

Number of indicators	17
Number of dimensions of inequality	5

Inequality dimensions

Age was condensed into four subgroups for better coverage and refers to current respondent's age.

For estimates from May 2020 to May 2021, **education** disaggregated data refers to the number of years of education completed by the respondent and encompasses five subgroups (no education, 1-6 years, 7-12 years, 13-15 years, 16-30 years). For estimates from June 2021 to March 2022, education refers to the highest level of education completed and encompasses four subgroups (less than secondary education, secondary education, four-year degree, postgraduate education).

Indicators disaggregated by **gender** include estimates for males and females. The dataset does not contain estimates for other gender identities.

Health worker status was derived from the respondent's reported main activity of the business or organization in which they work.

For **place of residence**, rural refers to village or rural area, while urban refers to city or town.

Disclaimer

The estimates presented may differ from, and should not be regarded as, the official national statistics of individual WHO Member States or official WHO estimates.

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University of Maryland Global CTIS Contingency Tables are publicly available without copyright.

Indicator metadata

Indicator name	Disaggregation	Definition / Further information	Notes
Hesitant to get vaccinated because of concern about the cost of a COVID-19 vaccine (%)	Age (4 groups) (18-65+) Education (4 groups) Education (5 groups) Gender Health worker status Place of residence	Percentage of all vaccine-hesitant respondents aged 18+ who reported being concerned about the cost of a COVID-19 vaccine. <u>Numerator:</u> Number of respondents aged 18+ who reported "I am concerned about the cost of a COVID-19 vaccine" as a reason for being hesitant to get a COVID-19 vaccine. <u>Denominator:</u> Total number of respondents aged 18+ who reported they definitely or probably would not choose to get a COVID-19 vaccine.	Available from February 2021 to March 2022.
Hesitant to get vaccinated because don't believe they need a COVID-19 vaccine (%)	Age (4 groups) (18-65+) Education (4 groups) Education (5 groups) Gender Health worker status Place of residence	Percentage of all vaccine-hesitant respondents aged 18+ who did not believe they needed a COVID-19 vaccine. <u>Numerator:</u> Number of respondents aged 18+ who reported "I don't believe I need a COVID-19 vaccine" as a reason for being hesitant to get a COVID-19 vaccine. <u>Denominator:</u> Total number of respondents aged 18+ who reported they definitely or probably would not choose to get a COVID-19 vaccine.	Available from February 2021 to March 2022.
Hesitant to get vaccinated because don't know if a COVID-19 vaccine will work (%)	Age (4 groups) (18-65+) Education (4 groups) Education (5 groups) Gender Health worker status Place of residence	Percentage of all hesitant respondents aged 18+ who did not know if a COVID-19 vaccine would work. <u>Numerator:</u> Number of respondents aged 18+ who reported "I don't know if a COVID-19 vaccine will work" as a reason for being hesitant to get a COVID-19 vaccine. <u>Denominator:</u> Total number of respondents aged 18+ who reported they definitely or probably would not choose to get a COVID-19 vaccine.	Available from February 2021 to March 2022.
Hesitant to get vaccinated because don't like vaccines (%)	Age (4 groups) (18-65+) Education (4 groups) Education (5 groups) Gender Health worker status Place of residence	Percentage of all hesitant respondents aged 18+ who do not like vaccines. <u>Numerator:</u> Number of respondents aged 18+ who reported "I don't like vaccines" as a reason for being hesitant to get a COVID-19 vaccine. <u>Denominator:</u> Total number of respondents aged 18+ who reported they definitely or probably would not choose to get a COVID-19 vaccine.	Available from February 2021 to December 2021.
Vaccination barrier: available appointment times did not work for them (%)	Age (4 groups) (18-65+) Education (4 groups) Gender Health worker status Place of residence	Percentage of respondents aged 18+ who reported that available appointment times not working for them was a barrier to getting a COVID-19 vaccine. <u>Numerator:</u> Number of respondents aged 18+ who reported "The available appointment times did not work for me" as a barrier to getting a COVID-19 vaccine.	Available from May 2021 to March 2022.

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Indicator name	Disaggregation	Definition / Further information	Notes
		<u>Denominator</u> : Total number of respondents aged 18+	
Vaccination barrier: difficulty getting time away from school or work (%)	Age (4 groups) (18-65+) Education (4 groups) Gender Health worker status Place of residence	Percentage of respondents aged 18+ who reported that difficulty getting time away from school or work was a barrier to getting a COVID-19 vaccine. <u>Numerator</u> : Number of respondents aged 18+ who reported "It was difficult to get time away from work or school" as a barrier to getting a COVID-19 vaccine. <u>Denominator</u> : Total number of respondents aged 18+	Available from May 2021 to March 2022.
Vaccination barrier: difficulty traveling to vaccination site (%)	Age (4 groups) (18-65+) Education (4 groups) Gender Health worker status Place of residence	Percentage of respondents aged 18+ who reported that difficulty traveling to a vaccination site was a barrier to getting a COVID-19 vaccine. <u>Numerator</u> : Number of respondents aged 18+ who reported "Difficulty traveling to a vaccination site" as a barrier to getting a COVID-19 vaccine. <u>Denominator</u> : Total number of respondents aged 18+	Available from May 2021 to March 2022.
Vaccination barrier: inability to provide required document (%)	Age (4 groups) (18-65+) Education (4 groups) Gender Health worker status Place of residence	Percentage of respondents aged 18+ who reported that inability to provide required document was a barrier to getting a COVID-19 vaccine. <u>Numerator</u> : Number of respondents aged 18+ who reported "I was unable to provide a required document" as a barrier to getting a COVID-19 vaccine. <u>Denominator</u> : Total number of respondents aged 18+	Available from May 2021 to March 2022.
Vaccination barrier: no appointments available (%)	Age (4 groups) (18-65+) Education (4 groups) Gender Health worker status Place of residence	Percentage of respondents aged 18+ who reported that appointment availability was a barrier to getting the COVID-19 vaccine. <u>Numerator</u> : Number of respondents aged 18+ who reported "There were no vaccines or vaccine appointments available" as a barrier to getting a COVID-19 vaccine. <u>Denominator</u> : Total number of respondents aged 18+	Available from May 2021 to March 2022.
Very or moderately concerned about COVID-19 vaccine side effects, among unvaccinated (%)	Age (4 groups) (18-65+) Education (4 groups) Education (5 groups) Gender Health worker status Place of residence	Percentage of unvaccinated respondents aged 18+ who reported being very or moderately concerned about COVID-19 vaccine side effects. <u>Numerator</u> : Number of respondents aged 18+ who reported being "Very concerned" or "Moderately concerned" that they would experience a side effect from a COVID-19 vaccination. <u>Denominator</u> : Total number of respondents aged 18+ who have not had a COVID-19 vaccination.	Available from January 2021 to March 2022.
Self-reported receipt of a COVID-19 vaccine (%)	Age (4 groups) (18-65+) Education (4 groups) Education (5 groups)	Percentage of respondents aged 18+ who reported having had a COVID-19 vaccination.	Available from February 2021 to March 2022.

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	Gender Health worker status Place of residence	<u>Numerator</u> : Number of respondents aged 18+ who reported having had a COVID-19 vaccination. <u>Denominator</u> : Total number of respondents aged 18+.	
Self-reported receipt of two doses of a COVID-19 vaccine (%)	Age (4 groups) (18-65+) Education (4 groups) Education (5 groups) Gender Health worker status Place of residence	Percentage of respondents aged 18+ who reported having received two doses of the COVID-19 vaccine. <u>Numerator</u> : Number of respondents aged 18+ who reported having received two doses of the COVID-19 vaccine. <u>Denominator</u> : Total number of respondents aged 18+ who have had a COVID-19 vaccine.	Available from February 2021 to February 2022.
Would definitely not choose to get vaccinated (%)	Age (4 groups) (18-65+) Education (5 groups) Gender Health worker status Place of residence	Percentage of unvaccinated respondents aged 18+ who reported they would definitely not choose to get vaccinated if a vaccine to prevent COVID-19 were offered to them. <u>Numerator</u> : Number of respondents aged 18+ who reported they would definitely not choose to get vaccinated if a vaccine to prevent COVID-19 were offered to them today. <u>Denominator</u> : Total number of respondents aged 18+ who did not have a COVID-19 vaccine.	Available from February 2021 to June 2021.
Would definitely not choose to get vaccinated among those without an appointment (%)	Age (4 groups) (18-65+) Education (4 groups) Gender Health worker status Place of residence	Percentage of unvaccinated respondents aged 18+ who reported they would definitely not choose to get vaccinated if a vaccine to prevent COVID-19 were offered to them. <u>Numerator</u> : Number of respondents aged 18+ who reported they would definitely not choose to get vaccinated if a vaccine to prevent COVID-19 were offered to them today. <u>Denominator</u> : Total number of respondents aged 18+ who did not have a COVID-19 vaccine AND did not have an appointment to receive a COVID-19 vaccine at the time of the survey.	Available from May 2021 to March 2022.
Would probably not choose to get vaccinated (%)	Age (4 groups) (18-65+) Education (5 groups) Gender Health worker status Place of residence	Percentage of unvaccinated respondents aged 18+ who reported they would probably not choose to get vaccinated if a vaccine to prevent COVID-19 were offered to them. <u>Numerator</u> : Number of respondents aged 18+ who reported they would probably not choose to get vaccinated if a vaccine to prevent COVID-19 were offered to them today. <u>Denominator</u> : Total number of respondents aged 18+ who did not have a COVID-19 vaccine.	Available from February 2021 to June 2021.

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Indicator name	Disaggregation	Definition / Further information	Notes
Would probably not choose to get vaccinated among those without an appointment (%)	Age (4 groups) (18-65+) Education (4 groups) Gender Health worker status Place of residence	Percentage of unvaccinated respondents aged 18+ who reported they would probably not choose to get vaccinated if a vaccine to prevent COVID-19 were offered to them. <u>Numerator:</u> Number of respondents aged 18+ who reported they would probably not choose to get vaccinated if a vaccine to prevent COVID-19 were offered to them today. <u>Denominator:</u> Total number of respondents aged 18+ who did not have a COVID-19 vaccine AND did not have an appointment to receive a COVID-19 vaccine at the time of the survey.	Available from May 2021 to March 2022.
Would definitely or probably not choose to get vaccinated (%)	Age (4 groups) (18-65+) Education (4 groups) Education (5 groups) Gender Health worker status Place of residence	Percentage of unvaccinated respondents aged 18+ who reported they would definitely or probably not choose to get vaccinated if a vaccine to prevent COVID-19 were offered to them. <u>Numerator:</u> Number of respondents aged 18+ who reported they would definitely or probably not choose to get vaccinated if a vaccine to prevent COVID-19 were offered to them today. <u>Denominator:</u> <ul style="list-style-type: none"> Total number of respondents aged 18+ who did not have a COVID-19 vaccine (Feb 2021 – May 2021). Total number of respondents aged 18+ who did not have a COVID-19 vaccine AND did not have an appointment to receive a COVID-19 vaccine at the time of the survey (Jun 2021 to Mar 2022). 	Available from February 2021 to March 2022.