



Institute for Health Metrics and Evaluation

Data Release Information Sheet

Data Summary

Dataset name: Premise General Population COVID-19 Health Services Disruption Survey 2021

Project name: COVID-19 Health Services Disruption Survey 2021

Date of release: September 14, 2021

Summary:

The COVID-19 Health Services Disruption Survey 2021 is a follow-up series to the COVID-19 Health Services Disruption Survey 2020 series conducted in July 2020. These surveys were developed to assess the level of disruption to a range of health services resulting from the COVID-19 pandemic and subsequent government mandates and changes in behavior to mitigate the spread of the disease.

The “Premise General Population COVID-19 Health Services Disruption Survey 2021” was conducted in 76 countries using the smartphone-based Premise data collection platform. Respondents were individual members of the general population. Data were collected from 18,649 respondents. The survey focused on the level of disruption to the provision of general health services, including visits to medical providers and access to medication.

This survey was developed specifically to assess the change in levels of service delivery throughout a specified period of the COVID-19 global pandemic. Data generated from this survey is not intended to be used as an overall estimate of the level of health service delivery.

Relevant publications and visualizations:

- <https://www.gatesfoundation.org/goalkeepers/>

Acknowledgements

Contributing organizations:

- Institute for Health Metrics and Evaluation (IHME)
- Bill and Melinda Gates Foundation (BMGF)
- Premise Data Corporation

Funders:

- Bill and Melinda Gates Foundation (BMGF)

Suggested Citation: Institute for Health Metrics and Evaluation (IHME), Bill and Melinda Gates Foundation (BMGF), Premise Data Corporation. Premise General Population COVID-19 Health Services

Disruption Survey 2020. Seattle, United States of America: Institute for Health Metrics and Evaluation (IHME), 2020.

File Inventory

File Name	Description	Version Date
IHME_PREM_GEN_POP_2021_Y2021M09D14.CSV	Data	September 14, 2021
IHME_PREM_GEN_POP_2021_CODEBOOK_Y2021M09D14.CSV	Codebook	September 14, 2021
IHME_PREM_GEN_POP_2021_QUESTIONNAIRE_Y2021M09D14.PDF	Questionnaire	September 14, 2021
IHME_PREM_GEN_POP_2021_INFO_SHEET_Y2021M09D14.PDF	Data Release Information Sheet	September 14, 2021

Data Structure

Each row represents one respondent. The respondent is uniquely identified by the variable `user_id`. All individuals who responded to the COVID-19 Health Services Disruption Survey 2021 should have also completed the COVID-19 Health Services Disruption Survey 2020. Unique individuals can be linked across the 2020 and 20201 surveys with the `user_id`.

Codebook

This contains variable names, questions (variable labels), numeric values and labels for coded values, and question types. The codebook is provided in a machine-actionable CSV format.

There are five types of questions found in the codebooks: Built-in data, IHME generated, Select multiple, Select one, and Text. These question types are determined by the survey software program and can be grouped into the following categories:

- **Check all that apply**: The check all that apply questions are labeled as Select multiple. When multiple responses are selected for “Select multiple” type questions, the “^” character is used as a delimiter between distinct response options
- **Single response option**: The single response options are labeled as Select one
- **Text response**: The text response is labeled as Text
- **Calculated or pre-populated variables**: Any variable that is created by the survey software system, such as time it takes to complete the survey, is labeled as Built-in data. Any variables constructed or calculated by IHME are labeled as IHME generated.

Variable names, labels, and value coding can be found in the file [“IHME_PREM_GEN_POP_CODEBOOK_Y2021M09D14.CSV.”](#)

Methodological Statement

Data Collection

Data were collected using the COVID-19 Health Services Disruption Survey 2021 throughout May - June 2021 using the Premise platform. Premise is a smart-phone based application which provides data collection capabilities throughout the world. The survey was designed by IHME in collaboration with the BMGF, and was implemented by Premise.

Incoming data were reviewed and validated by Premise and then transferred to IHME, where they underwent further verification and were stored in secure databases maintained by IHME.

Sampling/Population

As this survey is intended to capture the level of disruption to health services over the course of the COVID-19 pandemic among the general population, only respondents to the General Population COVID-19 Health Services Disruption Survey 2020 were eligible to respond to the General Population COVID-19 Health Services Disruption Survey 2021. Other inclusion criteria for respondents included country of residence and age 16 or older.

Premise has developed a network of users around the globe and maintains basic demographic characteristics, such as age range, gender, and country of residence, for each of its users. The survey was made available to all users in Premise's network who were associated with any of the 76 countries where the survey was conducted and had responded to the General Population COVID-19 Health Services Disruption Survey 2020. A full list of countries for the COVID-19 Health Services Disruption Survey 2021 can be found below.

The sampling strategy utilized for this survey does not yield a representative sample. Please see the Weighting section for more details regarding the strategies used to mitigate the effects of a non-representative sample.

IHME, BMGF, and Premise determined target quotas for each country prior to data collection. Target quotas were based primarily on the sample size of the Premise COVID-19 Health Services Disruption Survey 2020 in a given country. Progress towards target quotas were monitored over the course of data collection. Premise actively promoted the survey through measures such as re-engagement campaigns and targeted advertisements in order to increase the number of respondents.

COVID-19 Health Services Disruption Survey 2021 Countries: Afghanistan; Albania; Algeria; Argentina; Bahrain; Bangladesh; Benin; Bosnia and Herzegovina; Brazil; Burkina Faso; Cambodia; Chile; Colombia; Costa Rica; Côte d'Ivoire; Democratic Republic of the Congo; Dominican Republic; Ecuador; Egypt; El Salvador; Ethiopia; France; Ghana; Guatemala; Honduras; Hong Kong; India; Indonesia; Iraq; Italy; Jamaica; Jordan; Kazakhstan; Kenya; Lebanon; Liberia; Lithuania; Malaysia; Mali; Mexico; Morocco; Mozambique; Nicaragua; Niger; Nigeria; Oman; Panama; Peru; Philippines; Poland; Rwanda; Saudi Arabia; Senegal; Serbia; Sierra Leone; Somalia; South Africa; South Korea; Spain; Taiwan; Tanzania; Thailand; Trinidad and Tobago; Tunisia; Turkey; Uganda; Ukraine; United Arab Emirates; United Kingdom; United States; Uruguay; Venezuela; Vietnam; Yemen; Zambia; Zimbabwe

Weighting

Weights for the survey were calculated using the predicted probability of selection based on a representative sample. Global Burden of Disease 2020 population estimates and proportions for age, gender, and education by country were used as the representative dataset and age and education categories were mapped to Premise survey categories. Weights were calculated as the inverse of the predicted probability of selection in the sample dataset.

Imputed Variables and/or Constructed Variables – What was Imputed/Constructed and How

user_id: This variable is automatically generated by the Premise system and then reformatted by IHME. This variable serves to uniquely identify each respondent in the data, which is unique to a user across time and survey modules.

observation_id: This variable is automatically generated by the Premise system and then reformatted by IHME. This variable serves to uniquely identify each observation in the data.

submitted_time: This variable is automatically generated by the Premise system and contains the date and time of submission for each observation in the data.

Demographic Information: Premise maintains basic demographic information for all users on the Premise platform. The variables listed below are included in the basic demographic information maintained by Premise, and as such, they do not represent information collected at the time of the survey. Demographic variables maintained by Premise: *gender, age, geography, financial_situation, education, employment_status, ethnicity, religion, country*.

Weight: This variable was constructed by IHME as the inverse of the predicted probability of selection in the sample dataset. See the “Weighting” section above for further detail.

Known Data Quality Issues

The dataset generated by Premise contains response labels rather than coded values. As a result, this dataset similarly contains response labels rather than coded values. The codebook contains numeric values for response labels so that users of the data have the option to convert string values to coded values for data management or analysis.

Values which were outside the range of reasonable responses were identified. These responses represent the information provided by respondents and may result from typographical errors, misinterpretation of the question, or another reason. These data were not removed or revised so that users of the data may determine how to resolve these issues.

Though all individuals who responded to the COVID-19 Health Services Disruption Survey 2021 should have also completed the COVID-19 Health Services Disruption Survey 2020, there were 288 respondents who did not match. These 288 respondents existed in the 2021 data, but did not appear in the 2020 data.

Public Use Dataset Notes

This is a public use dataset. The data have been de-identified. No personally identifying information was collected for his study, however, some variables with open-text response have been replace with “XXXX” to remove potentially sensitive information or unrelated comments, in accordance with IHME’s microdata release protocol. The protocol’s determination for variables that constitute identifiable private information is based primarily on [HIPAA’S De-identification Standard](#).

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.