Institute for Health Metrics and Evaluation

Data Release Information Sheet

Data Summary

Dataset name: Premise Infant and Maternal Health 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 Infant and Maternal Health COVID-19 Health Services Disruption Survey 2021" was conducted in 51 countries using the smartphone-based Premise data collection platform. Respondents were individual members of the general population who were pregnant or had given birth within the past 6 months at the time of the survey. Data were collected from 2,282 respondents. The survey focused on the level of disruption to the provision of antenatal care and delivery services for pregnant women.

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

File Inventory

File Name	Description	Version Date
IHME_PREM_INF_MAT_HEALTH_2021_Y2021M09D14.CSV	Data	September 14, 2021
IHME_PREM_INF_MAT_HEALTH_2021_CODEBOOK_Y2021M09D14.CSV	Codebook	September 14, 2021
IHME_PREM_INF_MAT_HEALTH_2021_QUESTIONNAIRE_Y2021M09D14.PDF	Questionnaire	September 14, 2021
IHME_PREM_INF_MAT_HEALTH_2021_INFO_SHEET_Y2021M09D14.DOCX	Data Release Information Sheet	September 14, 2021

Data Structure

Each row represents one respondent. The respondent is uniquely identified by the variable user_id.

Codebooks

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 six types of questions found in the codebooks: Built-in data, IHME generated, Select multiple, Select one, Text, and Date. 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
- Date: The date response is labeled Date
- 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_INF_MAT_HEALTH_2021_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 for pregnant women and women who recently gave birth, inclusion criteria for respondents included country of residence, pregnancy/birth history, and age 16 or older. Implementation of these inclusion criteria were achieved through two phases of eligibility screening.

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. First, the survey was limited to users in Premise's network who identify as women and who were associated with any of the 51 countries where the survey was conducted. A full list of countries for the COVID-19 Health Services Disruption Survey 2021 can be found below.

Second, all users satisfying the above criteria received a short survey with questions to determine whether or not the user was currently pregnant or had given birth within the past 6 months.

Users within the relevant countries who identified as women and who indicated that they were currently pregnant or had given birth in the past 6 months were eligible for the full survey on Infant and Maternal Health

The sampling strategy utilized for this survey does not yield a 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 Infant and Maternal Health COVID-19 Health Services Disruption Survey 2020 in a given country. Progress towards target quotas were monitored over the course of data collection. In locations where the number of responses fell significantly below target quotas, 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; Bangladesh; Benin; Brazil; Burkina Faso; Cambodia; Colombia; Costa Rica; Côte d'Ivoire; Democratic Republic of the Congo; Dominican Republic; Ecuador; Egypt; El Salvador; Ethiopia; Ghana; Guatemala; Honduras; India; Indonesia; Iraq; Jamaica; Jordan; Kenya; Liberia; Mali; Mexico; Morocco; Mozambique; Niger; Nigeria;

Panama; Peru; Philippines; Rwanda; Senegal; Sierra Leone; South Africa; Tanzania; Thailand; Tunisia; Turkey; Uganda; Ukraine; United States; Uruguay; Venezuela; Vietnam; Yemen; Zambia; Zimbabwe

Weighting

Weights were not calculated for this survey.

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*.

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.

Responses were received for the Infant and Maternal Health survey in which the respondent indicated their gender as "Male". These responses are the result of errors in the specification of sampling criteria and were not eligible for the survey. These responses have been removed from the Infant and Maternal Health survey dataset.

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.