



Institute for Health Metrics and Evaluation

Data Release Information Sheet

Data Summary

Dataset name: Mexico - Yucatán Under 5 Medical Record Review Data 2017

Date of release: March 10, 2020

Summary: This project was a collaboration between the Institute for Health Metrics and Evaluation (IHME) and the Universidad Autónoma de Yucatán (UADY). The objective of this project was to increase maternal and child health care and the quality of health information in the state of Yucatán, Mexico through assessing the access and utilization of health services.

This dataset includes the review of medical records for 390 children who died in medical units of the Secretary of Health of Yucatán during 2015-2016. The population under study includes all children under 5 years of age who died in the state of Yucatán, Mexico during 2015-2016. A team of five doctors underwent extensive training in medical record review and extraction and used gold standard criteria developed by the Population Health Metrics Research Consortium (PHMRC) verbal autopsy study. These criteria define the laboratory test, imaging results, and recorded clinical signs of illness required to properly diagnose each underlying cause of death. The team of doctors were also trained in computer-based data extraction of medical records using an electronic form, which was programmed to include the diagnostic criteria for each cause and verified the assigned gold standard level. The electronic data extraction form verified the consistency of the information collected from the medical records, and double-checked the validity of the gold standard level assigned.

All records from the vital registry were linked to hospital records using the full name of the decedent as well as other information including birthday and national unique population registry number. This ensured that linked records matched with as much certainty as possible. A study ID was then assigned and identifying information was removed from the dataset.

Acknowledgements

Contributing organizations:

- Institute for Health Metrics and Evaluation (IHME)
- Universidad Autónoma de Yucatán (UADY)

Funding institution:

- W.K. Kellogg Foundation

Suggested Citation:

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File Inventory

File Name	Description	Version Date
IHME_MEXICO_YUCATAN_U5M_2017_MRR_DATA_Y2020M02D21.CSV	Data file	February 21, 2020
IHME_MEXICO_YUCATAN_U5M_2017_MRR_CODEBOOK_Y2020M02D21.CSV	Codebook, with descriptions of all variables included in the dataset	February 21, 2020
IHME_MEXICO_YUCATAN_U5M_2017_MRR_QUESTIONNAIRE_Y2020M02D21.PDF	Questionnaire	February 21, 2020
IHME_MEXICO_YUCATAN_U5M_2017_MRR_INFO_SHEET_Y2020M02D21.PDF	Data Release Information Sheet	February 21, 2020

Additional File Information

Data Structure

The data are structured such that each row represents the review of an individual's medical record.

Language

The questionnaire and codebook are in Spanish.

Codebooks

These contain variable names, questions (variable labels), numeric values and labels for coded values, and question types. Accents have been removed which affects Spanish language translations.

There are four major types of questions found in the codebooks:

- Check all that apply: The check all that apply questions are labeled as either checkAllItem or checkAllSummary
- Single response option: The single response options are labeled as radioGroup.
- Text response: The text response is labeled as either text or comment
- 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 calculated. For the

purposes of this study, no birth dates or identifiable information is collected, but internal survey calculations were done based on the date of birth to determine age in years.

Methodological Statement

Data Collection

This project received approval from the internal review boards from the University of Washington, the University of Yucatán, and the Hospital Agustín O´Horán, as required by the Secretary of Health, to provide authorization to conduct the study.

Data collection was conducted by a team of doctors from the Universidad Autonoma de Yucatán (UADY). The medical record review was carried out between March and November 2017. To keep the information anonymous and confidential, all data from the medical records were systemized in a database using a study identifier that de-identified the data in a way that does not allow anyone to trace back the identity of study participants.

All data collected in the field were uploaded onto a server using a secure link. Quality checks were conducted by the IHME team in real time to clarify doubts as data was collected.

Sampling/Population

Medical records were pulled based on the verbal autopsy participants identified from the state mortality registry. Participants in the verbal autopsy study included all households that had experienced the death of a child under 5 years of age in the State of Yucatán during 2015-2016. The only exclusion criterion was that the family lived outside the State of Yucatán at the moment of the death or during data collection. Cases in which the family of the deceased child could not be located or refused the interview were excluded from the study.

Weighting

The data are unweighted.

Imputed variables and constructed variables

No variables are imputed.

Known Data Quality Issues

Continuous data have not been cleaned or trimmed for outliers.

Public Use Dataset Notes

This is a public use dataset. The data have been de-identified. Variables determined to contain identifiable private information, or potentially identifiable private information, for health facilities, health workers, and/or other individuals have been removed 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](#).

No personally identifiable information was collected for this study; however, these data were stripped of comments and information on who conducted the review. Some variables in the dataset do not contain data, such as date of birth, because this information was not stored on the survey or sent to IHME. The date of birth was entered into the survey and an internal calculation was done to provide age.

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.