



# Institute for Health Metrics and Evaluation

## Data Release Information Sheet

### ***Data Summary***

Dataset name: Mexico - Yucatán Under 5 Short Verbal Autopsy 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 results of a household census and verbal autopsy. The population under study includes all children under 5 years of age who died in the state of Yucatán, Mexico, during 2015-2016 and interviews were conducted with caregivers of the deceased children between March and November 2017. The interview consisted of two parts, a standardized verbal autopsy using neonatal and child modules of the Population Health Metrics Research Consortium (PHMRC) Shortened Questionnaire and a section with questions about health care-seeking behavior during the final illness and household characteristics. The questionnaire includes a section with closed questions about the symptoms experienced by the child before death and about any condition that was previously diagnosed in the child.

Relevant publications and visualizations:

### **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<br>_2017_VA_DATA_Y2020M02D21.CSV          | Data file                                                               | February 21,<br>2020 |
| IHME_MEXICO_YUCATAN_U5M<br>_2017_VA_CODEBOOK_Y2020M02D21.CSV      | Codebook, with descriptions of all<br>variables included in the dataset | February 21,<br>2020 |
| IHME_MEXICO_YUCATAN_U5M<br>_2017_VA_QUESTIONNAIRE_Y2020M02D21.PDF | Questionnaire                                                           | February 21,<br>2020 |
| IHME_MEXICO_YUCATAN_U5M<br>_2017_VA_INFO_SHEET_Y2020M02D21.PDF    | Data Release Information Sheet                                          | February 21,<br>2020 |

## Additional File Information

### Data Structure

The data are structured such that each row represents an interviewed individual.

### Language

The questionnaire and codebook are in Spanish. In order to make the survey accessible for non-Spanish speaking populations, the questionnaire was translated to Mayan by the UADY team.

### 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 interviewers from the Universidad Autonoma de Yucatán (UADY). All surveys were conducted using a computer-assisted personal interview (CAPI). The CAPI was programmed using Open Data Kit (ODK) and installed onto computer tablets and netbooks. CAPI supports skip patterns, inter-question answer consistency, and data entry ranges. The aim of introducing CAPI to the field was to reduce survey time by prompting only relevant questions, maintain a logical answering pattern across different questions, decrease data entry errors, and permit rapid data verification.

The Yucatán Verbal Autopsy interviews were carried out between March and November 2017. Informed consent was obtained prior to all interviews. To keep the information anonymous and confidential, all data from the interviews and 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 by UADY 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**

Eligibility for participation in the verbal autopsy 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.

Participants were identified by examining the state mortality registry and then searching for the location of their families' households using the listed addresses in mortality records. The primary caregiver of the deceased child was the interview subject. Participants had to be 18 years or older to participate and if the primary caregiver was under 18, the next closest caregiver to the child was interviewed.

### **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 interview. 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.