



# Institute for Health Metrics and Evaluation

## Data Release Information Sheet

### ***Data Summary***

Dataset name: Latin American Country HIV Mortality Geospatial Estimates by Age and Sex 2000-2017

Date of release: August 31, 2020

Summary:

Annual estimates were produced for the HIV mortality rate and number of deaths due to HIV by sex and age group in the 0-80+ year range at the municipality level in six countries in Latin America: Brazil, Mexico, Guatemala, Costa Rica, Colombia, and Ecuador. The estimates cover from 2000 to 2017 in Brazil, Colombia, and Mexico; from 2009 to 2017 in Guatemala; from 2004 to 2014 in Ecuador; and from 2014 to 2016 in Costa Rica. Input data sources consisted of vital registration (VR) mortality data — anonymized individual-level records from all deaths reported in each country's VR system occurring between the years of study.

This dataset includes the following:

- CSV files of estimates of the HIV mortality rate and the number of HIV deaths by age group and sex for each country at zero, first, and second administrative divisions
- Code files used to generate the estimates
- The shapefile used to inform the estimates

Relevant publications and visualizations:

Local Burden of Disease HIV Collaborators. Mapping subnational HIV mortality in six Latin American countries with incomplete vital registration systems. *Forthcoming*.

### ***Acknowledgements***

Contributing organizations:

- Institute for Health Metrics and Evaluation (IHME)

Funders:

- Bill and Melinda Gates Foundation (BMGF)

Suggested Citation:

Institute for Health Metrics and Evaluation (IHME). Latin American Country HIV Mortality Geospatial Estimates by Age and Sex 2000-2017. Seattle, United States of America: Institute for Health Metrics and Evaluation (IHME), 2020.

## **Data Files Information**

### **CSV files of Aggregated Estimates of HIV Mortality Rate and Number of Deaths Due to HIV**

Stored in files named <MEASURE>\_<METRIC>\_<LEVEL\_OF\_AGGREGATION>.CSV

(Example: IHME\_LA\_HIV\_MORT\_2000\_2017\_RATE\_ADMIN\_1\_Y2020M06D01.CSV)

- **Measure:** HIV mortality, Number of deaths due to HIV
- **Metric:** Count, Rate (per 100,000)
- **Level of aggregation:** admin0, admin1, or admin2, corresponding to first and second administrative level areas as defined by the Global Administrative Unit Layers (GAUL) (Brazil, Costa Rica, and Guatemala) or the Humanitarian Data Exchange (Colombia, Ecuador, and Mexico). Each row in each table is unique by administrative unit and year.

<b>Variable</b>	<b>Variable Label</b>	<b>Variable Definition</b>
ADM0_CODE	Admin 0 Code	GAUL/Humanitarian Data Exchange code identifying the administrative unit
ADM0_NAME	Admin 0 Name	Zero level administrative unit (Country) name as found in the VR Latin America shapefile
ADM1_CODE	Admin 1 Code	GAUL/Humanitarian Data code identifying the administrative unit (Only in the admin1 files)
ADM1_NAME	Admin 1 Name	First level administrative unit name as found in the VR Latin America shapefile
ADM2_CODE	Admin 2 Code	GAUL/Humanitarian Data code identifying the administrative unit (Only in the admin2 files)
ADM2_NAME	Admin 2 Name	Second level administrative unit name as found in the VR Latin America shapefile (Only in the admin2 files)
year	Year	Time period of estimate. Possible values: years in the range 2000-2017
age_group_id	Age Group ID	Unique numeric identifier for the age group.
age_group_name	Age Group Name	Age group estimated.
sex_id	Sex ID	Unique numeric identifier for the sex.
sex	Sex	The sex estimated.
measure	Measure	The measure (indicator) estimated. Possible values: <ul style="list-style-type: none"><li>• HIV mortality</li><li>• Number of deaths due to HIV</li></ul>

Variable	Variable Label	Variable Definition
metric	Metric	Metric/unit of measure for the estimate. Values: Rate (per 100,000), Count
mean	Mean	Mean posterior population-weighted estimate for the administrative unit
upper	Upper Confidence Interval	97.5% population-weighted posterior quantile estimate for the administrative unit
lower	Lower Confidence Interval	2.5% population-weighted posterior quantile estimate for the administrative unit

## Codebooks

Variable names, labels, and value encoding for admin 0 files can be found in the machine-actionable codebook file [IHME\\_LA\\_HIV\\_MORT\\_2000\\_2017\\_CODEBOOK\\_ADMIN\\_0\\_Y2020M08D13.CSV](#)

Variable names, labels, and value encoding for admin 1 files can be found in the machine-actionable codebook file [IHME\\_LA\\_HIV\\_MORT\\_2000\\_2017\\_CODEBOOK\\_ADMIN\\_1\\_Y2020M08D13.CSV](#)

Variable names, labels, and value encoding for admin 2 files can be found in the machine-actionable [IHME\\_LA\\_HIVMORT\\_2000\\_2017\\_CODEBOOK\\_ADMIN\\_2\\_Y2020M08D13.CSV](#)

## Data Input Sources

This file contains relevant metadata about the input sources as suggested in the [Guidelines for Accurate and Transparent Health Estimates Reporting \(GATHER\)](#), a statement that promotes best practices in reporting health estimates.

[IHME\\_LA\\_HIV\\_MORT\\_2000\\_2017\\_DATA\\_INPUT\\_SOURCES\\_Y2020M08D13.XLSX](#)

## *Additional Information*

### Terms and Conditions

<http://www.healthdata.org/about/terms-and-conditions>

## Contact information

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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.