



Institute for Health Metrics and Evaluation

Data Release Information Sheet

Data Summary

Dataset name: Global Burden of Disease Study 2019 (GBD 2019) Fertility Estimates 1950-2019

Date of release: October 15, 2020

Date of update: October 27, 2020

Summary:

The Global Burden of Disease Study 2019 (GBD 2019), coordinated by the Institute for Health Metrics and Evaluation (IHME), estimated the burden of diseases, injuries, and risk factors for 204 countries and territories and selected subnational locations.

This dataset provides annual estimates for age-specific fertility rate (ASFR), total fertility rate (TFR), total fertility under 25 years (TFU25), net reproductive rate (NRR), live births, and crude birth rate for 1950-2019. Data sources used to produce the ASFR estimates came from 8078 location-years of vital registration data, and 439 complete birth histories and 628 summary birth histories from 938 surveys, 349 censuses, and 238 other sources.

For additional GBD results and resources, visit the [GBD 2019 Data Resources page](#).

Acknowledgements

Contributing organizations:

- Global Burden of Disease Collaborative Network

Funders:

- Bill and Melinda Gates Foundation (BMGF)

Suggested Citation:

Global Burden of Disease Collaborative Network. Global Burden of Disease Study 2019 (GBD 2019) Fertility Estimates 1950-2019. Seattle, United States of America: Institute for Health Metrics and Evaluation (IHME), 2020.

Data Files Information

Update Note: Duplicate rows were discovered in the original files for Age-Specific Fertility Rate (ASFR) and Total Fertility Rate (TFR). Updated files were released on October 27, 2020.

File Inventory

| File Name | Description | Version Date |
|--|--|------------------|
| IHME_GBD_2019_FERTILITY_1950_2019_ASFR_Y2020M08D05.CSV | Age-Specific Fertility Rate (ASFR) | October 27, 2020 |
| IHME_GBD_2019_FERTILITY_1950_2019_TFR_Y2020M08D05.CSV | Total Fertility Rate (TFR) | October 27, 2020 |
| IHME_GBD_2019_FERTILITY_1950_2019_TFU25_Y2020M08D05.CSV | Total Fertility Under 25 Years (TFU25) | August 5, 2020 |
| IHME_GBD_2019_FERTILITY_1950_2019_NRR_Y2020M08D05.CSV | Net Reproductive Rate (NRR) | August 5, 2020 |
| IHME_GBD_2019_FERTILITY_1950_2019_CBR_Y2020M08D05.CSV | Crude Birth Rate (CBR) | August 5, 2020 |
| IHME_GBD_2019_FERTILITY_1950_2019_LB_Y2020M08D05.CSV | Live Births | August 5, 2020 |
| IHME_GBD_2019_FERTILITY_1950_2019_CODEBOOK_Y2020M08D05.CSV | Codebook | August 5, 2020 |
| IHME_GBD_2019_FERTILITY_1950_2019_INFO_SHEET_Y2020M10D15.PDF | Data Release Information Sheet | October 27, 2020 |

Variable Information

| Variable | Variable Label | Variable Definition |
|---------------|----------------|---|
| location_ID | Location ID | Unique numeric identifier for the location generated and stored in an IHME database of data dimensions. |
| location_name | Location Name | Location of the estimate. |

| Variable | Variable Label | Variable Definition |
|-----------------|---|--|
| sex_ID | Sex ID | Unique numeric identifier for the sex generated and stored in an IHME database of data dimensions. |
| sex_name | Sex | Gender for the estimate. |
| age_group_ID | Age Group ID | Unique numeric identifier for the age group generated and stored in an IHME database of data dimensions. |
| age_group_name | Age Group Name | Age group estimated. |
| year_id | Year | Time period of estimate. |
| measure_id | Measure ID | Unique numeric identifier for the measure generated and stored in an IHME database of data dimensions. |
| measure | Measure Name | The measure (indicator) of the estimate. |
| metric_id | Metric ID | Unique numeric identifier for the metric. |
| metric_name | Metric Name | Metric/unit of measure for the estimate. |
| val | Value | Mean estimate. |
| upper | 95% Uncertainty Interval - Upper Bound | 97.5% percentile estimate. |
| lower | 95% Uncertainty Interval - Lower Bound | 2.5% percentile estimate. |

Additional Information

Terms and Conditions

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

Contact information

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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.