

National, regional, and worldwide estimates of stillbirth rates in 2015, with trends from 2000: a systematic analysis

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Data Creators

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Data Description

Data produced by the Every Newborn Action Plan (ENAP) study to estimate national stillbirth rates (SBRs) and numbers for 195 countries. SBR data was collated through a systematic review of national routine/registration systems, nationally representative surveys, and other data sources, and subsequently modelled using restricted maximum likelihood estimation with country-level random effects. Data outputs include a list of 2207 stillbirth rate data points used as an input to the modelled estimates, yearly national-level covariates for each of the 195 countries studied from 2000 to 2015, and information on estimated stillbirth rates from 2000 to 2015 for countries with higher quality national routine time-series data for stillbirth rates, using loess regression of the country reported rates.

Data Collection Methods

We collated SBR data meeting pre-specified inclusion criteria from national routine/registration systems, nationally representative surveys, and other data sources identified through a systematic review web-based searches, and an investigator group. We modelled SBR (≥ 28 weeks gestation) for 195 countries using restricted maximum likelihood estimation with country-level random effects. Uncertainty ranges were obtained through a bootstrap approach.

Geographic regions

See 'Supplementary appendix' at [http://dx.doi.org/10.1016/S2214-109X\(15\)00275-2](http://dx.doi.org/10.1016/S2214-109X(15)00275-2)

Species:

Human population

Privacy:

This analysis involves secondary data analysis. All data sources were population based and contained no personal and sensitive information.

Ethics

Ethics approval was obtained from the ethics board of the London School of Hygiene and Tropical Medicine

Keywords

Stillbirth, Fetal death, Pregnancy

Language of written material

English

Project Information

Project

Every Newborn

Funder/Sponsor

Saving Newborn Lives, Save the Children

File Description

| Title | Filename | File type | Description |
|--|---|---|--|
| <p>The following file contains the results of the work see section on ‘stillbirth rate results’ in paper at http://dx.doi.org/10.1016/S2214-109X(15)00275-2</p> | | | |
| Stillbirth Rate Results | SBR_results.csv SBR_results.xls | Comma Separated Microsoft Excel | Stillbirth rate estimates for 195 countries for the years 2000 – 2015. |
| <p>The following files relate to data inputs for estimates produced and modelling Stata code used see section on ‘data inputs and modelling’ in paper</p> | | | |
| National-level covariate data | national_covariates.dta national_covariates.csv national_covariates.xls | Stata Data File Comma Separated Microsoft Excel | National-level covariate data for the 195 countries for each year from 2000 to 2015 The STATA DTA is the master version of dataset. Excel and CSV versions are derivatives that lack the variable definitions. |
| Estimated Stillbirth rates 2000-2015 | reported_loess.dta reported_loess.csv reported_loess.xls | Stata Data File Comma Separated Microsoft Excel | Estimated stillbirth rates from 2000 to 2015 for countries with higher quality national routine time-series data for stillbirth rates, using loess regression of the country reported rates. The STATA DTA is the master version of dataset. Excel and CSV versions are derivatives that lack the variable definitions. |
| Stillbirth Rate Input | SBR_input.dta SBR_input.csv SBR_input.xls | Stata Data File Comma Separated Microsoft Excel | 2207 stillbirth rate data points used as an input to the modelled estimates. The STATA DTA is the master version of dataset. Excel and CSV versions are derivatives that lack the variable definitions. |
| Stillbirth Rate Predict Do-file | stillbirth_rate_predict.do | STATA do-file (plain text) | STATA do file outlining processing commands performed upon the dataset. |

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Associated Roles

| Role | Forename | Surname | Faculty / Dept | Institution |
|--------------|----------|----------------|--|--|
| Data Creator | Hannah | Blencowe | Epidemiology & Population Health > Infectious Disease Epidemiology | London School of Hygiene & Tropical Medicine |
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