Checklist of information that should be included in new reports of global health estimates

Item #	Checklist item	Reported on page #
Objectives and funding		
1	Define the indicator(s), populations (including age, sex, and geographic entities), and time period(s) for which estimates were made.	Page 1, lines 13-15
2	List the funding sources for the work.	Title Page
Data Inputs		
For all data inputs from multiple sources that are synthesized as part of the study:		
3	Describe how the data were identified and how the data were accessed.	Page 2, lines 48-54 and Page 3, lines 78-83
4	Specify the inclusion and exclusion criteria. Identify all ad-hoc exclusions.	Page 2, lines 55-57
5	Provide information on all included data sources and their main characteristics. For each data source used, report reference information or contact name/institution, population represented, data collection method, year(s) of data collection, sex and age range, diagnostic criteria or measurement method, and sample size, as relevant.	Page 2, lines 48-57 and Page 3, lines 78-83
6	Identify and describe any categories of input data that have potentially important biases (e.g., based on characteristics listed in item 5).	Page 7, lines 226-231
For data inputs that contribute to the analysis but were not synthesized as part of the study:		
7	Describe and give sources for any other data inputs.	Page 3, lines 66-72
For all data inputs:		
8	Provide all data inputs in a file format from which data can be efficiently extracted (e.g., a spreadsheet rather than a PDF), including all relevant meta-data listed in item 5. For any data inputs that cannot be shared because of ethical or legal reasons, such as third-party ownership, provide a contact name or the name of the institution that retains the right to the data.	Page 4, lines 117-119
Data analysis		
9	Provide a conceptual overview of the data analysis method. A diagram may be helpful.	Page 3, lines 84-86 and Page 4, lines 95-105
10	Provide a detailed description of all steps of the analysis, including mathematical formulae. This description should cover, as relevant, data cleaning, data pre-processing, data adjustments and weighting of data sources, and mathematical or statistical model(s).	Page 3, line 84 to Page 4, line 115
11	Describe how candidate models were evaluated and how the final model(s) were selected.	Not applicable
12	Provide the results of an evaluation of model performance, if done, as well as the results of any relevant sensitivity analysis.	Not applicable
13	Describe methods for calculating uncertainty of the estimates. State which sources of uncertainty were, and were not, accounted for in the uncertainty analysis.	Page 4, lines 110-115
14	State how analytic or statistical source code used to generate estimates can be accessed.	Page 4, lines 117-119
Results and Discussion		
15	Provide published estimates in a file format from which data can be efficiently extracted.	Page 4, lines 117-119
16	Report a quantitative measure of the uncertainty of the estimates (e.g. uncertainty intervals).	Page 5, lines 134-137
17	Interpret results in light of existing evidence. If updating a previous set of estimates, describe the reasons for changes in estimates.	Page 6, line 175 to Page 7, line 225
18	Discuss limitations of the estimates. Include a discussion of any modelling assumptions or data limitations that affect interpretation of the estimates.	Page 7, lines 226-240

This checklist should be used in conjunction with the GATHER statement and Explanation and Elaboration document, found on gather-statement.org