

ANNEX 1

**Access to
the WHO global
TB database**

Accessing TB data using the WHO Global TB Programme website

Most of the data collected annually for the production of the WHO global TB report are available online on the WHO website at www.who.int/tb/data. This page gives you access to the following resources:

1. Country profiles

You can view and download profiles for all 216 countries and territories that report TB data to WHO each year, and not just the 22 high burden countries shown in the global TB report. The profiles are generated on-demand directly from the global TB database and therefore may include updates received after publication of the global TB report.

You can also view and download TB financial profiles for over 100 countries and territories that report detailed TB financial data to WHO.

2. CSV data files

This is a primary resource for anyone interested in conducting their own analyses of the records in the global TB database.

You can download data reported by countries such as time series for case notifications and treatment outcomes and also WHO's estimates of TB burden as comma-separated value (CSV) files covering all years for which we have data. You can import these CSV files into many spreadsheet, statistical analysis and database packages.

You can also download a data dictionary which defines each of the variables available in the CSV files.

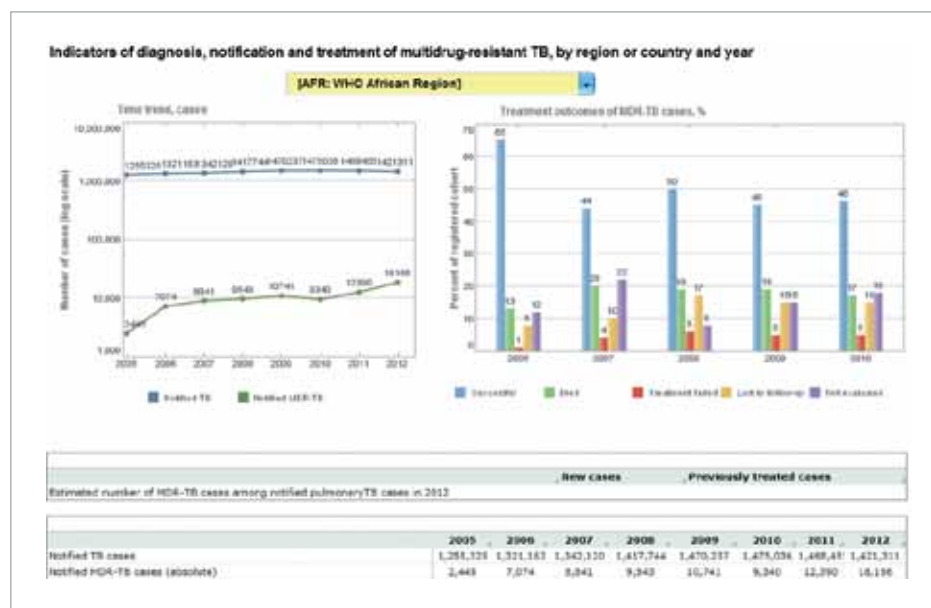
The CSV files are generated on-demand directly from the global TB database, and therefore may include updates received after publication of the global TB report.

3. Data visualisations

You can choose from a number of interactive web pages to view maps, graphs and underlying data on TB case notifications, drug-resistant TB cases and treatment outcomes, laboratory capacity and WHO estimates of TB incidence, prevalence and mortality (Figure A.1).

FIGURE A.1

Interactive page to view MDR-TB indicators by region or country and year



Accessing TB data using the WHO Global Health Observatory

The WHO Global Health Observatory (GHO) at www.who.int/research/ is WHO's portal, providing access to data and analyses for monitoring the global health situation. It includes a data repository.

You can view, filter, aggregate and download key data from WHO's global TB database from within the GHO Data Repository at apps.who.int/gho/data/node.main.1315

The GHO data table headers include links to variable and indicator definitions. You can download the data in many formats, including CSV and Excel. You can also embed data tables within your own website using a simple HTML fragment (Figure A.2).

The GHO also provides a data query Application Programme Interface (API) (see <http://apps.who.int/gho/data/node.resources.api>) which allows analysts and programmers to use GHO data directly in their own software applications.

FIGURE A.2

A data table in the GHO Data Repository

The screenshot shows the WHO Global Health Observatory Data Repository interface. The main heading is 'Global Health Observatory Data Repository'. Below it, the theme is 'Tuberculosis' and the specific data set is 'Co-epidemics of TB and HIV Data by country'. There are options for 'Also available:' including 'Data by WHO region' and 'Data by World Bank income groups'. There are buttons for 'Data filters', 'Embedding code', and 'Update dates'. Below these are options to 'Download this data as' in various formats: CSV (codes only), CSV (text only), CSV (text and codes), CSV (XMart), Excel (SpreadsheetML), HTML (flat table), and GHO XML. The 'Details' are set to 'off'. The data table shows the following information:

Country	Year	Total number of notified TB cases	TB patients with known HIV status (%)	Tested TB patients HIV-positive (%)	HIV-positive TB patients on CPT (co-trimoxazole preventive therapy) (%)	HIV-positive TB patients on ART (antiretroviral therapy) (%)
Afghanistan	2003	13649	0			
	2004	19404				
	2005	21844				
	2006	25475				
	2007	28769	0			
	2008	28301	0			
	2009	26358	4.5	0.43	100	100
	2010	28238	18	0.04	100	100
	2011	28167	23	0.08	80	80
	2012	29678	26	0.07	100	100