

WHO Global Task Force on TB Impact Measurement

Meeting of subgroup to discuss methods for estimating TB disease burden

Room “Dassault”, Mövenpick Hotel, Geneva, Switzerland
11-12 May 2022

Background

One of the strategic areas of work of the WHO Global Task Force on TB Impact Measurement is periodic review of the methods used by WHO to produce estimates of TB disease burden. The last three meetings of the Task Force at which this topic was discussed were held in 2018, 2016 and 2015.¹

The purpose of this meeting is to allow for an up-to-date review of methods being used by WHO to produce TB disease burden estimates. It will cover two major topics:

1. Methods for producing estimates of TB incidence and mortality in the context of the COVID-19 pandemic

Methods were developed in 2021 for this purpose, by WHO in collaboration with Imperial College, and used to produce the estimates of TB incidence and TB mortality in 2020 that were published in the WHO Global TB Report 2021. Country-specific models were also used to produce projections for 2021-2025, for 16 priority countries. Work is currently underway to extend these methods, to produce estimates for 2021 and projections for a larger group of countries (provisionally, 30) for the period 2022-2025.

2. Methods for producing estimates of the incidence of drug-resistant TB, with a focus on estimates of the incidence of rifampicin resistance

Methods were reviewed at the Task Force meetings held in 2016 and 2018. To date, estimates published by WHO in the Global TB Report have been for the latest complete calendar year only. WHO has initiated a collaboration with Sheffield University to develop new methods that will allow publication of estimated trends in the incidence of rifampicin-resistant TB (RR-TB), for the period 2015–2021.

Objectives

1. To present and discuss methods for producing estimates of TB incidence and mortality in 2020-2021 and projections for 2022–2025 that account for the impact of the COVID-19 pandemic.
2. To present and discuss methods for producing estimates of the incidence of drug-resistant TB, with particular attention to new methods for time-series of RR-TB estimates, 2015–2021.

Expected Outcomes

1. Proposed methods for producing estimates of TB incidence, TB mortality and RR-TB incidence for publication in the WHO Global TB Report 2022 thoroughly reviewed.
2. Suggestions for improvements to proposed methods for producing estimates of TB incidence and mortality in 2020–2021 and projections for 2022–2025, categorized into a) those which could be implemented in the near-term (by end July 2022) and b) those to be explored in the coming year.
3. Suggestions for how to improve proposed methods for producing estimates of the incidence of RR-TB, categorized into a) those which could be implemented in the near-term (by end July 2022) and b) those which could be explored in the coming year.

¹A meeting originally planned for April 2020 had to be cancelled due to the COVID-19 pandemic.

DRAFT AGENDA

DAY 1: Wednesday, 11 May 2022

Time	Topic	Speaker
09:15 – 10:00	Arrival, registration, coffee	
10:00 – 10:30	Welcome and introduction of participants Declaration of conflict of interest	Jaap Broekmans (Chair) All
10:30 – 11:00	The WHO Global Task Force on TB Impact Measurement <ul style="list-style-type: none"> • Overview • Objectives and expected outcomes of this meeting 	Katherine Floyd
11:00 – 11:20 Coffee break		
Objective 1: Methods for producing estimates of TB incidence and mortality that account for the impact of the COVID-19 pandemic		
11:20 – 12:10	Introductory remarks <u>Presentation with interactive Q&A (focused on questions for clarification):</u> Methods for estimating TB incidence and mortality that account for the impact of the COVID-19 pandemic (Background document 1)	Philippe Glaziou Nim Arinaminpathy
12:10 – 12:30	Explanation of group work	Katherine Floyd Anna Dean
12:30 – 14:00 Lunch		
14:00 – 15:30	<u>Group work</u> : Questions on inner cover page of Background document 1	All in groups
15:30 – 15:50 Coffee/tea break		
15:50 – 17:15	Continuation of group work (if necessary), <i>followed by</i> feedback in plenary, <i>followed by</i> plenary discussion	All in groups All All
17:15 – 17:30	Wrap up of Day 1	Jaap Broekmans

DAY 2: Thursday, 12 May 2022

Time	Topic	Speaker
09:30 – 09:45	Introduction to Day 2	Jaap Broekmans
Objective 2: Methods for producing estimates of the incidence of drug-resistant TB, with particular attention to new methods for time-series of RR-TB estimates for 2015–2021		
9:45 – 11:00	<u>Presentation with interactive Q&A (focused on questions for clarification)</u> Methods for estimating the incidence of drug-resistant TB, including new methods for estimating RR-TB trends for 2015-2021 (Background document 2)	Anna Dean Philippe Glaziou Pete Dodd
11:00 – 11:20 Coffee break		
11:20 – 12:45	<u>Group work</u> : Questions on inner cover page of Background document 2	All in groups
12:45 – 14:00 Lunch		
14:00 – 15:30	Continuation of group work (if necessary), <i>followed by</i> feedback in plenary, <i>followed by</i> plenary discussion	All in groups All All
15:30 – 15:50 Coffee/tea break		
Objectives 1 and 2; quick updates on related topics; next steps		
15:50 – 16:30	Main outcomes and next steps Brief updates on related topics* <i>This is only if time permits...</i>	Chair, WHO secretariat Meeting participants
16:30 – 17:00	Wrap up and closing	Jaap Broekmans Tereza Kasaeva

* Please inform the WHO secretariat in advance if you would like to use 5–10 minutes to provide a brief update on a topic closely related to this meeting or the work of the Task Force more broadly. Depending on progress made on Day 1, it may be possible to cover these updates at the end of Day 1.