TB DIAH
TUBERCULOSIS DATA, IMPACT ASSESSMENT AND COMMUNICATIONS HUB

Data-to-Action Continuum (D2AC) Global Launch Webinar

October 19th 2023
TB DIAH
TUBERCULOSIS DATA, IMPACT ASSESSMENT AND COMMUNICATIONS HUB

- Part of the Global Accelerator to End TB
- Global, five-year (2018-2024) associate award, $36M cooperative agreement
- Small team of monitoring and evaluation (M&E) and tuberculosis (TB) experts working to clarify TB data in way that helps the United States Agency for International Development (USAID) monitor its TB investments in its TB priority countries
- Helps countries use data to share their story
What does TB DIAH do?

Surveillance (Data)

Result 1: Strengthen the collection, analysis, and use of routine and surveillance TB data

Reporting (Information)

Result 2: Improve performance-based (M&E) frameworks and information gathering processes: tools, methods, and technical guidance to meet user needs

Communications (Knowledge)

Result 3: Strengthen reporting and communication to address knowledge gaps and share methods, tools, and approaches
What does TB DIAH do?

**Performance-based M&E Framework**
- Contains the 10 core and extended indicators to help Missions track progress against TB targets and manage USAID’s TB investments—all in one place

**M&E and Surveillance Systems Assessment**
- An overview of M&E and surveillance systems in each USAID TB priority country

**Assessment of Data Collection, Reporting and Analysis Capacity**
- Measures a country’s capacity to collect, report, and analyze PBMEF indicators

**Surveillance System Strengthening Plan**
- Systematic and multi-faceted assessment of a country’s TB M&E and surveillance system
- Identifies strengths and gaps across the system, examines the quality of the data, and develops the implementation of a costed action plan

**Quality of TB Services Assessment**
- Provides periodic data to inform NTPs, USAID missions, and other stakeholders of the current state of quality of TB care and what strategic investments and actions may be needed to improve TB services
What does TB DIAH do?

**TB Data-to-Action Continuum**
- Measures the progress of countries as they work toward improving their TB M&E and surveillance systems

**Centers of Excellence**
- Establish Centers of Excellence to test and model best practices in TB M&E and surveillance

**National TB Programs Websites**
- Work with priority countries’ NTPs to adapt their websites and increase their transparency scores using the Stop TB Partnership’s Governance of TB Programs criteria

**TBDIAH.org - Data Hub and Repository**
- A one-stop shop website offering public and secure work areas to support USAID TB program managers, technical advisors, and country stakeholders with data analysis and reporting, and access to tools, resources, and guidance to contextualize and apply data to their programming

**E-Learning – training.tbdiah.org**
- Online courses for frontline workers, community health staff and in TB Contact Investigation, finding cases among those living with HIV, and TB Monitoring & Evaluation
Where does TB DIAH work?

- **Haiti**: M&E plan and ARC
- **Nigeria**: TB Situation Rooms and APPR analyses; Assessed and improved M&E surveillance; strengthened M&E capacity; NTP website supported
- **Eastern Europe & Eurasia**: Regional Center of Excellence and support to 4 countries; semiannual regional meetings
- **Kyrgyz Republic**: Capacity building for NTP for TB surveillance, reporting, and M&E skills; M&E plan; GHS
- **Uzbekistan**: ARC, MESSA, D2AC
- **Cambodia**: M&E planning and capacity assessment; ARC implementation; research capacity building
- **Vietnam**: QTSA
- **DRC**: Assessed and improved M&E surveillance; strengthened M&E capacity; QTSA study

Countries with TB DIAH activities are marked in blue. USAID TB priority countries are marked in dark blue.
Please use the Q&A for all questions.

Please tell us who you are and where you’re from in the chat.

Questions will be addressed during and at the end of the webinar.

The webinar is being recorded and a link to the recording and presentation will be shared with all attendees and registrants tomorrow by a Zoom link and email.
WELCOME & INTRODUCTIONS
Thank you for joining our discussion on the TB Data-to-Action Continuum (D2AC) today!

Jeanne Chauffour
David Boone
Meredith Silver
Yanira Garcia-Mendoza
Nia Kathoni
Totugul Murzabekova
TODAY’S AGENDA

1 hour

☑ Welcome & introductions
☑ Background on the D2AC
  ▪ Purpose and overview
  ▪ Unique features of the D2AC
☑ Implementations, practical uses, and changes to the tool
  ▪ Implementation method and process
  ▪ Uses of D2AC findings
  ▪ Digitization of the Toolkit
  ▪ D2AC products
☑ Wrap up and next steps
☑ Q&A
The D2AC measures countries’ progress toward improving their TB M&E and surveillance systems and provides information to guide their continued efforts.

The D2AC defines five possible levels of system development—ranging from “nascent” to “optimized”—and allows national TB programs (NTPs) to precisely gauge the barriers to data use and assess the decision-making capabilities of different actors across their health systems.

It also helps NTPs select appropriate interventions within the context of their health systems and develop implementation plans to apply them.
D2AC Background and Overview

- Toolkit developed under TB DIAH beginning in 2020
- Development process informed by and involving an advisory group as well as a thorough peer-review and grey literature review
- Objective of the Toolkit’s design and priority actions was to practice what it preaches: turning any collected data into action
- Multiple iterations of the Toolkit from 2020 until early 2022, which included one pilot, followed by three additional implementations in 2022
- Creation of an online tool – democratizing access and use by third parties; focus on user-friendliness and ability to run autonomous implementations
- This webinar represents the global launch of the online tool and suite of accompanying products
The Data-to-Action Continuum Toolkit

Assessing the capabilities of national TB programs to use TB data
The Data-to-Action Continuum Toolkit

Assessing the capabilities of national TB programs to use TB data
How is the D2AC different from other tools?

In the Design Stage

- Sound evidence base (extensive literature review)
- Thorough expert review
- Built on a maturity model
- Similar to the Stages of Continuous Improvement (SOCl) for Health Information Systems (HIS) tool
How is the D2AC different from other tools?

In the Tool

- First HIS assessment tool to delve in-depth into capacity for data use
- Includes technical, organizational, and behavioral elements (similar to the Performance of Routine Information System Management [PRISM] tool)
- Readily suggests level-appropriate next steps for improvement
- Incorporates country context
- Thoroughly investigates adequacy of available data for decision making by health worker type
- Represents a list of standards and best practices for countries to strive toward
- Integrates planning for system strengthening
IMPLEMENTATIONS, PRACTICAL USES, AND CHANGES TO THE TOOL
D2AC Implementation

- NTP drives the conversation to identify:
  - Where the TB data use gaps are
  - What are appropriate actions to address those gaps
- Easily executed in an interactive two-day workshop

Photo credit: Meredith Silver
DAY 1

- Data collection instrument filled out by individuals
  - 48 questions
  - Scored 1-5
  - Gathers qualitative and quantitative data
- Dedicated user role questions
  - “Laboratory manager/technician,” “NTP manager policy maker”

DAY 2

- Data collection instrument filled out by small groups
- Group scores aggregated
- Followed by consensus discussion
  - Utilizes both qualitative and quantitative data gathered within the tool, as well as rich discussion by a diversity of data users and producers within the NTP
  - Final overall score
- Identify priority actions based on recommendations from the D2AC tool
D2AC Output from Two-Day Workshop

A list of **Recommended Priority Actions**

**Implementation plan** with selected priority actions

**Evidence in the form of links and references** to various documentation

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<th>Subdomain</th>
<th>Priority action</th>
<th>Gap addressed</th>
<th>Resources</th>
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| Data Quality       | Ensure data are generally complete, consistent, and accurate for priority data elements for at least the last 12 months | 1. Inconsistencies in data capturing  
2. Error in data capturing  
3. Incomplete data  
4. Inadequate human resources  
5. Skill gap | • World Health Organization (WHO) Data Quality Review tool (health facility assessment methods and tools for assessing data quality for TB)  
• WHO Data Quality Tool for DHIS 2 (app for assessing consistency, completeness, etc. for routine indicators for TB and other program areas reported to DHIS 2)  
• Measure Evaluation Data Quality Review Toolkit |
D2AC: NTP Driven

NTP leadership:
- Determines scope (national/subnational)
- Identifies relevant stakeholders as participants
- Customizable implementation process (see D2AC User Guide)
- Questionnaire relevant to NTP context
- Reassess every 2-5 years

Photo credit: Emmanuel Owusu
Stakeholder Focus

▪ **Brings together a diversity of perspectives** within the NTP from various levels and users of TB data as well as USAID implementing partners, the WHO, and other important stakeholders

▪ **Encourages discussion and empowers users** to understand why they see same concept differently, allowing participants to become more informed about each other’s perspectives
WORKSHOPS

Photo credits: Emmanuel Owusu

Ghana - March 2022

Kyrgyz Republic - June 2022

Nigeria - April 2022

Bangladesh - December 2022
Uses of D2AC Findings

- Development of TB M&E guidelines including the priorities identified in the D2AC workshop held in June 2022
  - Data analysis and interpretation
  - Standardized instructions for data quality and other types of checklists to improve case registration, detection, and treatment follow-up
  - Cascade analysis
- Trainings are planned to support the rollout of the newly-developed materials
Getting started as a workshop facilitator

- Request for an account to be created in the system
- Create an implementation
- Add workshop participants
Access, Control, and Security

- Implementation dashboard access
- Making a response submission
- Viewing responses list
- Editing response submission
- Viewing responses, analysis, and visualizations
- Scheduling of workshop completion date
Download all the responses as CSV for external analysis
Other General System Capabilities

- Support for multiple languages
- Support for multiple workshops
- Ability to export responses and visualizations to multiple formats
- Future ability to compare multiple implementations
Suite of D2AC Products

**TB DIAH: Data-to-Action Continuum**

**Background**

The United States Agency for International Development’s (USAID) goals for TB: Government’s global efforts and commitments. The USAID-funded activities include improving TB surveillance, diagnostic services, treatment, and data management. These efforts are aimed at strengthening national TB control programs, ensuring the availability of quality TB services, and reducing TB-related mortality and morbidity.

The Data-to-Action Continuum

The Data-to-Action Continuum (D2AC) Toolkit is designed to help countries progress from data to action by tracking the progress of TB surveillance and monitoring (D2AC) and accountability systems. The D2AC defines five possible levels of system development, ranging from “least” to “optimized.”

**Homepage:**

https://www.tbdiah.org/d2ac/

**Digital Toolkit:**

https://d2ac.tbdiah.org/
Suite of D2AC Products

TB Data-to-Action Continuum in Ghana Report
June 2022

TB Data-to-Action Continuum in Nigeria Report
June 2023

TB Data-to-Action Continuum in Kyrgyz Republic Report
October 2023

TB Data-to-Action Continuum in Bangladesh Report
May 2023

Homepage: https://www.tbdiah.org/d2ac/

Digital Toolkit: https://d2ac.tbdiah.org/
This work would not have been possible without the support of other team members, past and current: Manish Kumar, Diao Diallo, Mohammad Golam Kibria, Ann Fitzgerald, Ezra Tessera, Colleen Boyle, and Hannah Zwick

We thank our advisors at USAID: Joy Kamunyori, Catherine Griesedieck, Noor Streeter, Sevim Ahmedov, Abdul Naser Ikram, and Andrew Goldbaum

We thank all the staff involved in the D2AC workshops held in Accra, Abuja, Bishkek, and Dhaka, and all the participants who attended these workshops

We thank all the D2AC Advisory Board members
Oral Presentation
Saturday, 18th November
8:50am
Session OA60, Room 212/213
Electronic supplementary material:
The online version of this article contains supplementary material.

Research gaps in transforming tuberculosis data to action for better health outcomes: A systematic literature review

First article:
DOI: 10.7189/jogh.11.04058

Second article:
DOI: 10.29392/001c.55760
Thank you!
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<td><strong>Data Analysis &amp; Visualizations</strong></td>
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For more information

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This presentation was produced with the support of the United States Agency for International Development (USAID) under the terms of the TB Data, Impact Assessment and Communications Hub (TB DIAH) Associate Award No. 7200AA18LA00007.

TB DIAH is implemented by the University of North Carolina at Chapel Hill, in partnership with John Snow, Inc. Views expressed are not necessarily those of USAID or the United States government.

PR-23-058