TB DIAH

TUBERCULOSIS DATA, IMPACT ASSESSMENT AND COMMUNICATIONS HUB

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

October 19th 2023

USAID
FROM THE AMERICAN PEOPLE

TB DIAH
Tuberculosis Data, Impact Assessment and Communications Hub

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?

1 Surveillance (Data)

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

2 Reporting (Information)

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

3 Communications (Knowledge)

Result 3: Strengthen reporting and communication to address knowledge gaps and share methods, tools, and approaches

What does TB DIAH do?

WORK STREAMS

PBMEF

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

MESSA

M&E and Surveillance Systems Assessment

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

ARC

Assessment of Data Collection, Reporting and Analysis Capacity

- Measures a country's capacity to collect, report, and analyze PBMEF indicators

STEP

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

QTSA

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?

WORK STREAMS

D2AC

TB Data-to-Action Continuum

- Measures the progress of countries as they work toward improving their TB M&E and surveillance systems

COEs

Centers of Excellence

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

NTPW

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

TBDIAH.org - Data Hub and Repository

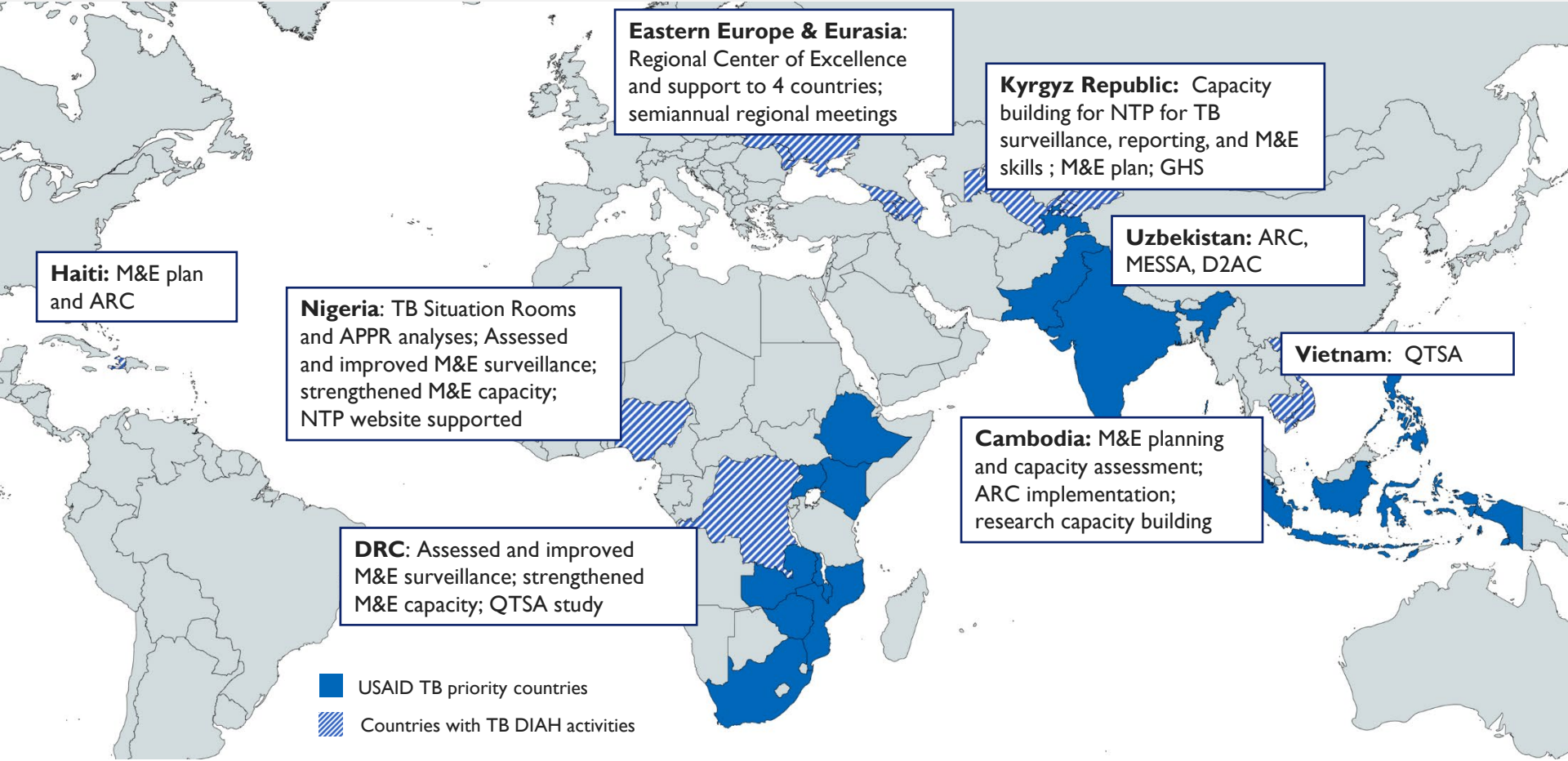
- A one-stop shop website offering public and secure work areas to support USAID TB program managers, technical advisors, and country stakeholders with data analysis and reporting, and access to tools, resources, and guidance to contextualize and apply data to their programming

E-Learning

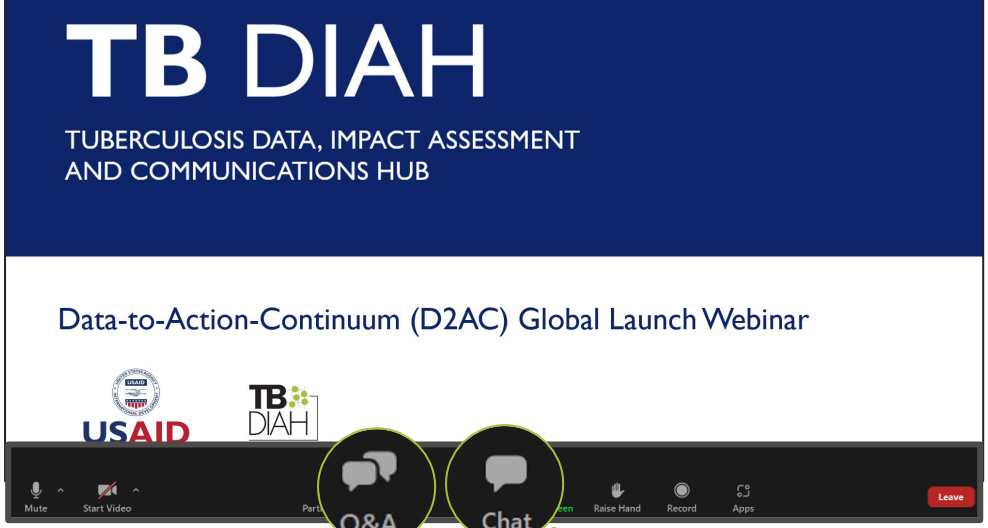
E-Learning – training.tbdiah.org

- 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?



HOUSEKEEPING



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

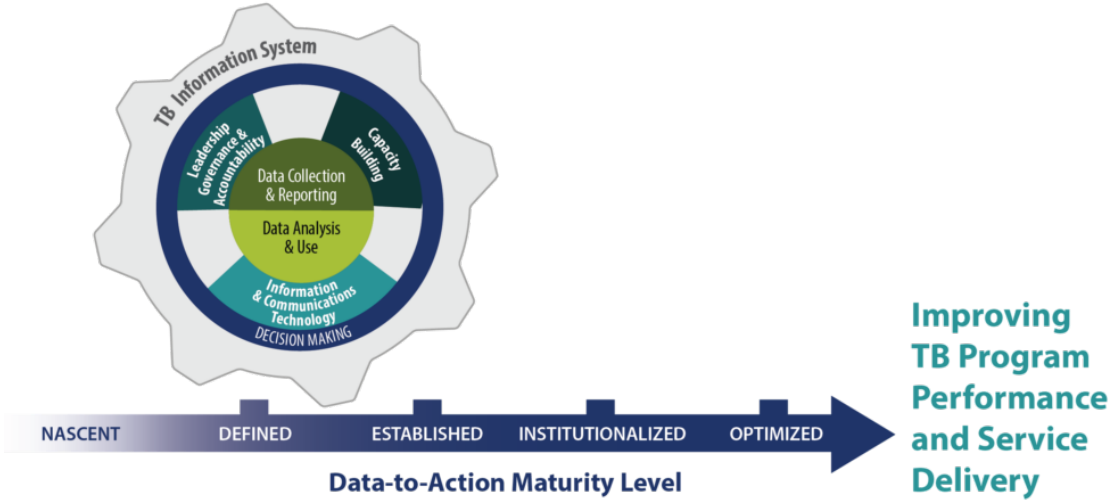
- ✓ Welcome & introductions
- ✓ Background on the D2AC
  - Purpose and overview
  - Unique features of the D2AC
- ✓ Implementations, practical uses, and changes to the tool
  - Implementation method and process
  - Uses of D2AC findings
  - Digitization of the Toolkit
  - D2AC products
- ✓ Wrap up and next steps
- ✓ Q&A

Purpose of the D2AC

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

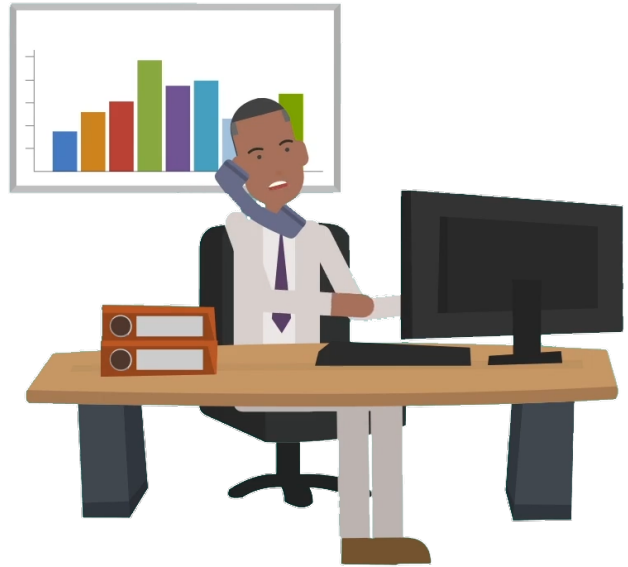
The TB Data-to-Action Continuum – TB DIAH Short Video
TB DIAH
The Data-to-Action Continuum Toolkit
Assessing the capabilities of national TB programs to use TB data

The TB Data-to-Action Continuum – TB DIAH Short Video
TB DIAH
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 (SOCI) 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 D2AC WORKSHOP

- 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 D2AC WORKSHOP

- 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

Subdomain	Priority action	Gap addressed	Resources
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

Nigeria - April 2022

Kyrgyz Republic - June 2022

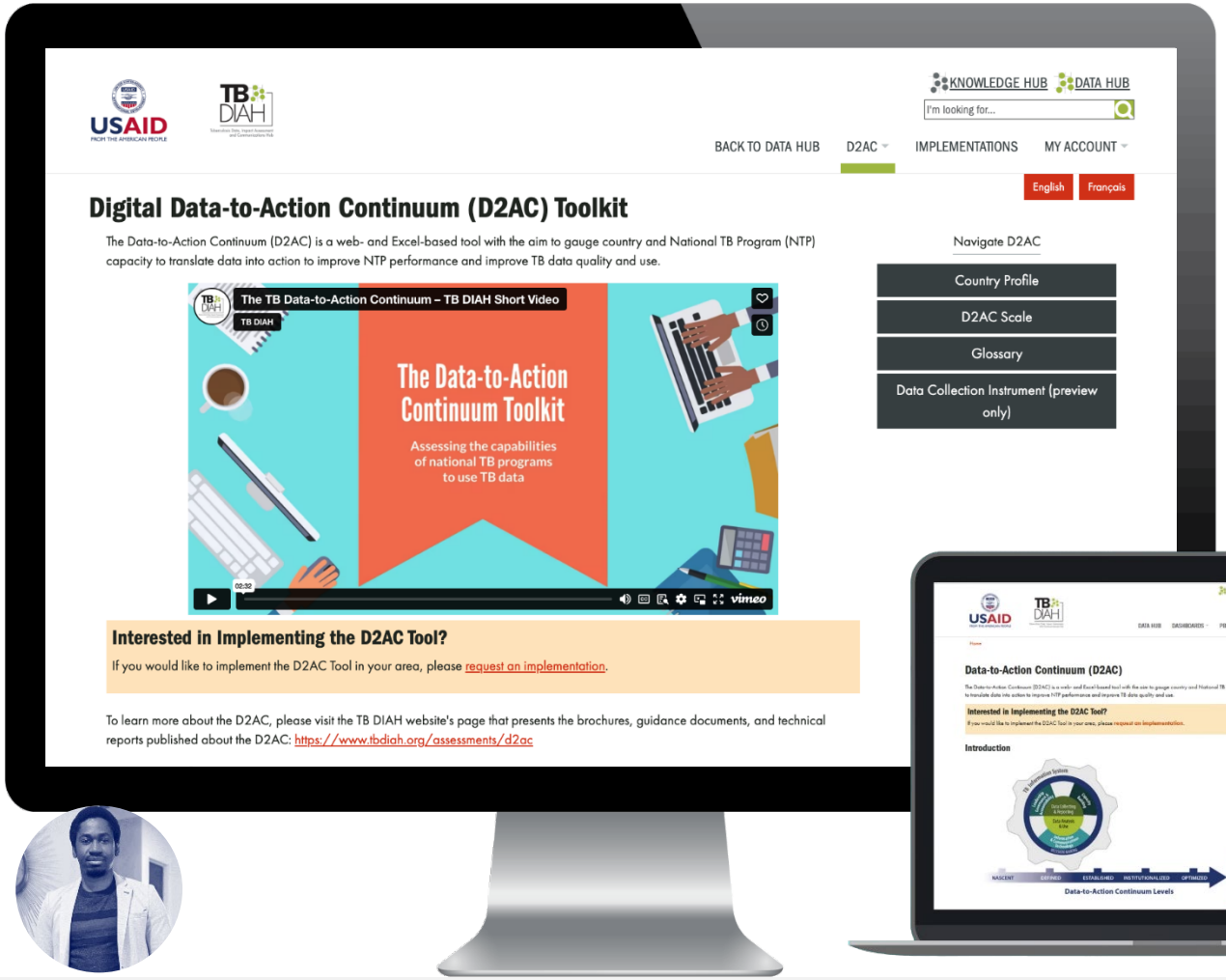
Bangladesh - December 2022

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

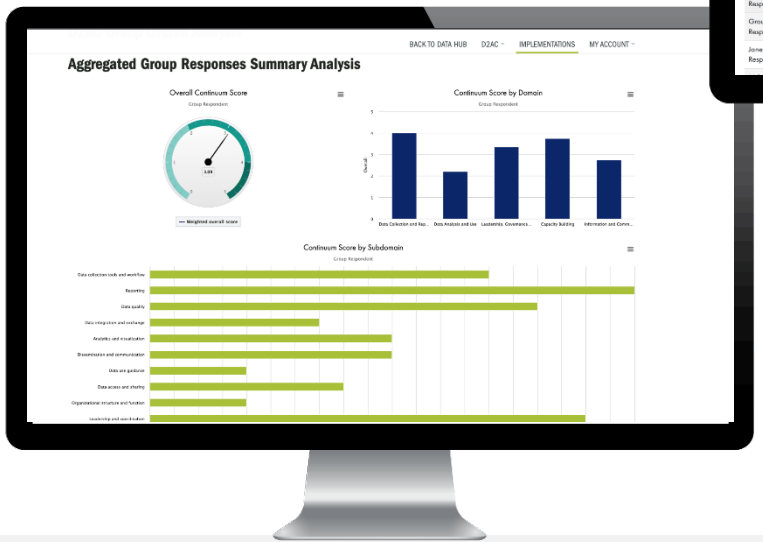
Getting started as a workshop facilitator

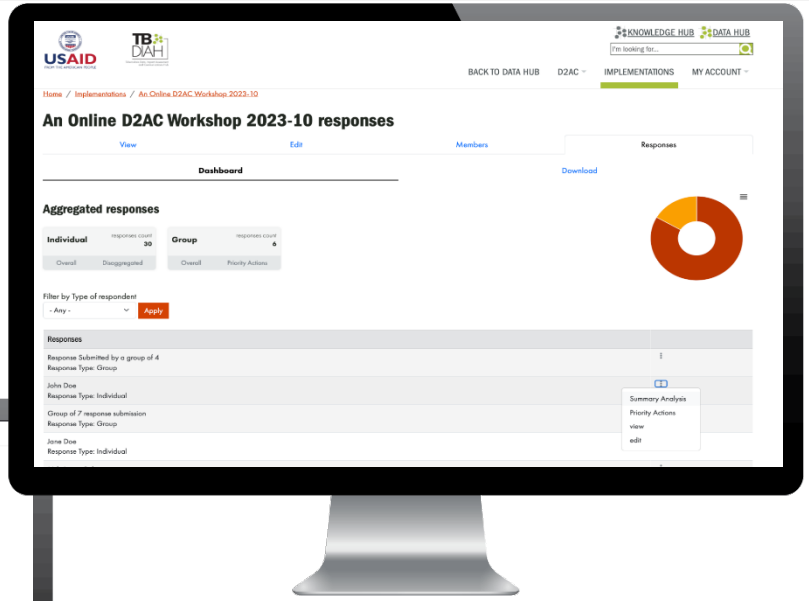
- ✓ Request for an account to be created in the system
- ✓ Create an implementation
- ✓ Add workshop participants



Access, Control, and Security

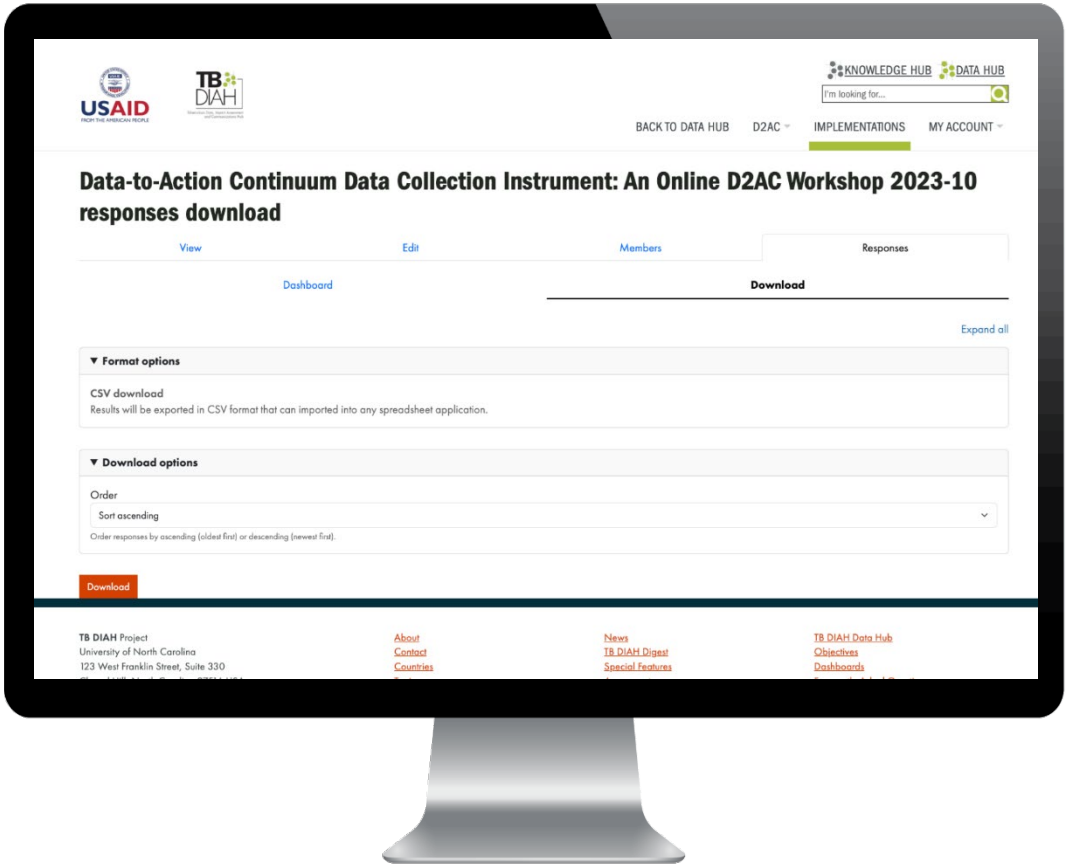
- Implementation dashboard access
- Making a response submission
- Viewing responses list
- Editing response submission
- Viewing responses, analysis, and visualizations
- Scheduling of workshop completion date





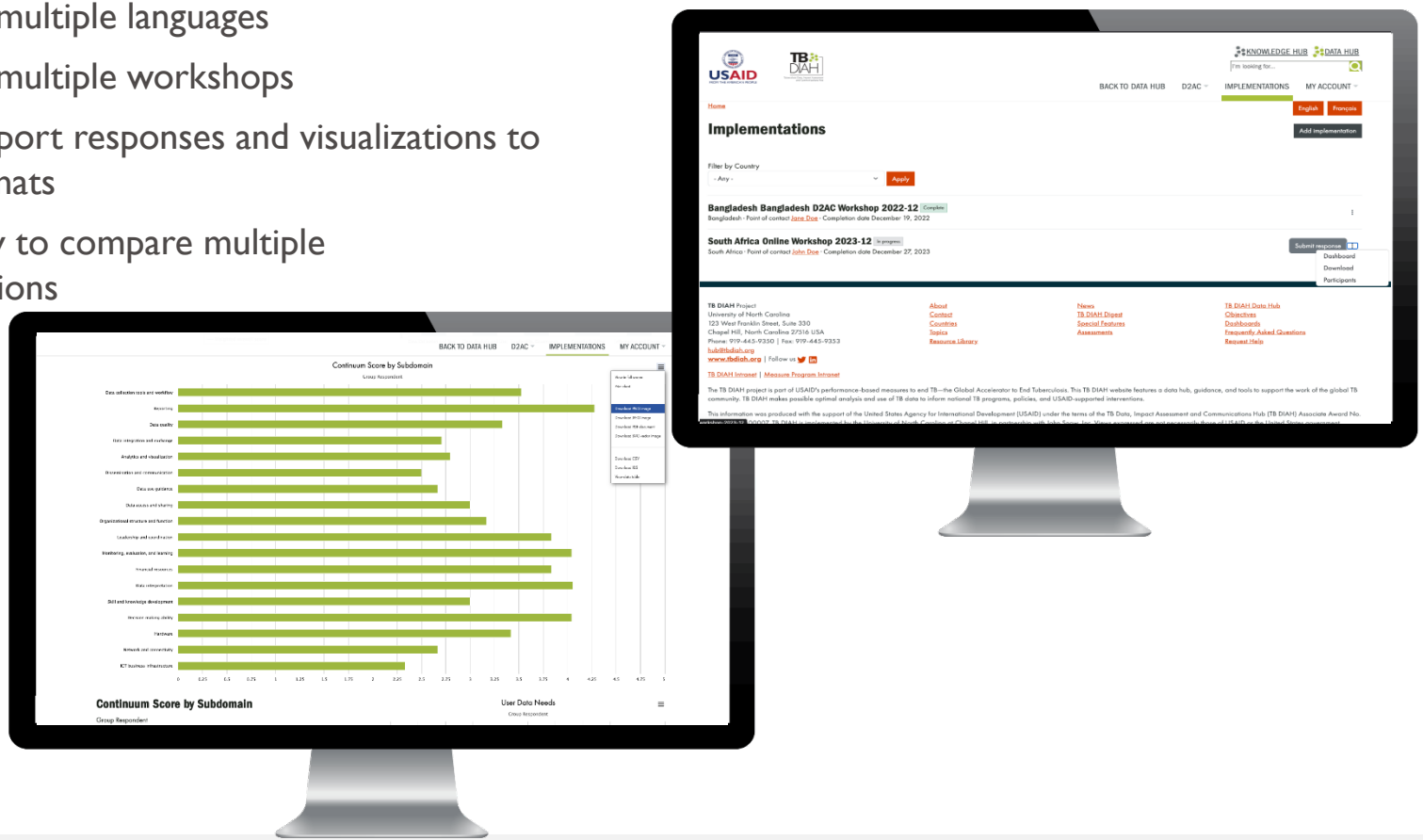
Data Extraction/Export

Download all the responses as CSV for external analysis

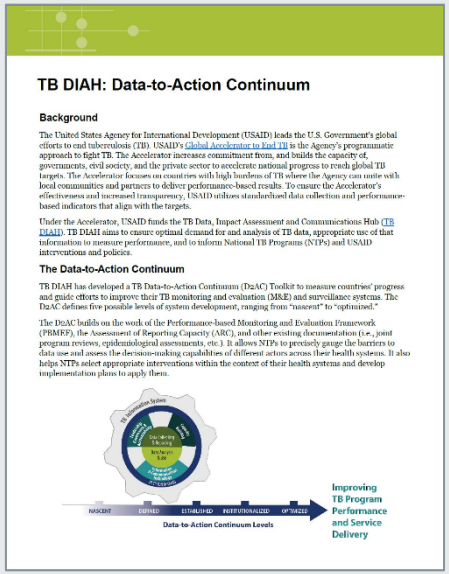


Other General System Capabilities

- 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

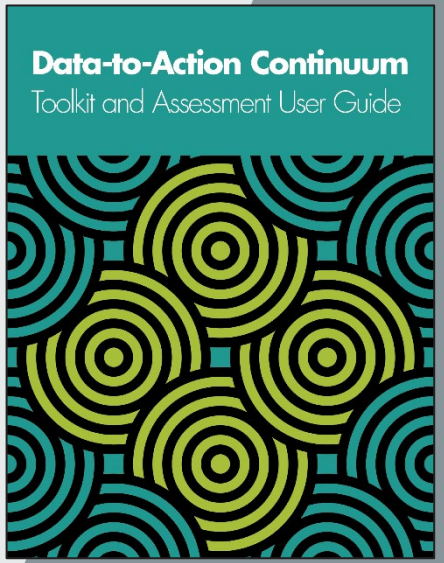
The United States Agency for International Development (USAID) leads the U.S. Government's global efforts to end tuberculosis (TB). USAID's Global Accelerator to End TB is the Agency's programmatic approach to fight TB. The Accelerator increases commitment from, and builds the capacity of, governments, civil society, and the private sector to accelerate national progress to reach global TB targets. The Accelerator focuses on countries with high burdens of TB where the Agency can unite with local communities and partners to deliver performance-based results. To ensure the Accelerator's effectiveness and increased transparency, USAID utilizes standardized data collection and performance-based indicators that align with the targets.

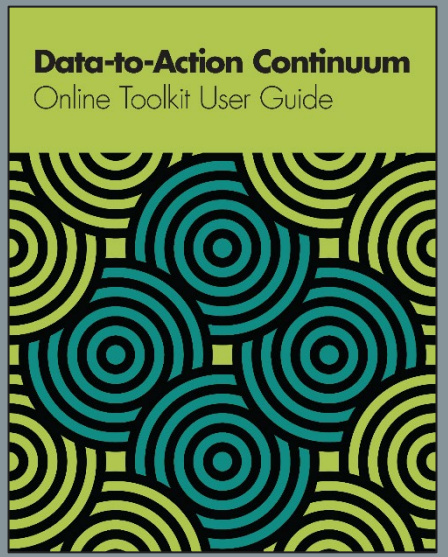
Under the Accelerator, USAID funds the TB Data, Impact Assessment and Communications Hub (TB DIAH). TB DIAH aims to ensure optimal demand for and analysis of TB data, appropriate use of that information to measure performance, and to inform National TB Programs (NTPs) and USAID interventions and policies.

The Data-to-Action Continuum

TB DIAH has developed a TB Data-to-Action Continuum (D2AC) Toolkit to measure countries' progress and guide efforts to improve their TB monitoring and evaluation (M&E) and surveillance systems. The D2AC defines five possible levels of system development, ranging from "nascent" to "optimized."

The D2AC builds on the work of the Performance-based Monitoring and Evaluation Framework (PBMEF), the Assessment of Reporting Capacity (ARC), and other existing documentation (i.e., joint program reviews, epidemiological assessments, etc.). It allows 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.

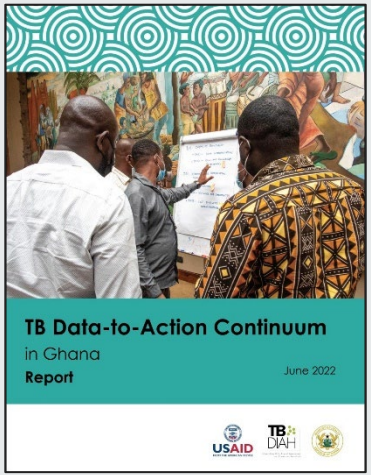


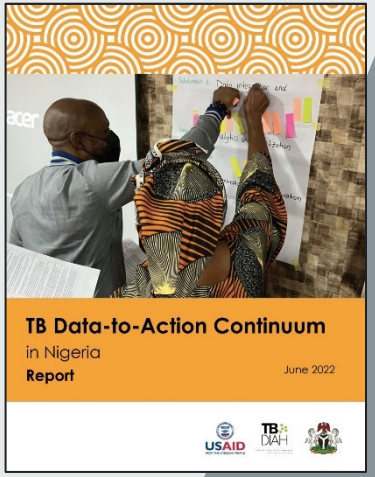


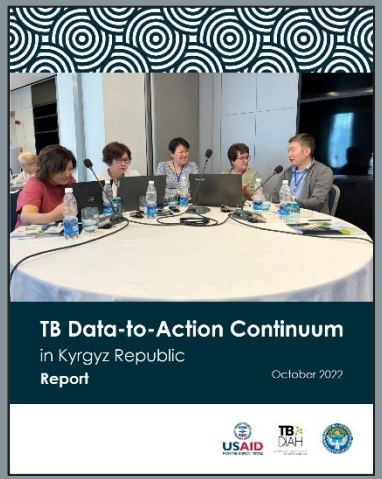
Homepage:
https://www.tbdiah.org/d2ac/

Digital Toolkit:
https://d2ac.tbdiah.org/

Suite of D2AC Products







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

SCAN ME

Digital Toolkit:
https://d2ac.tbdiah.org/

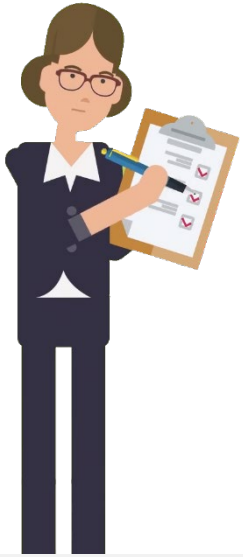
Acknowledgments

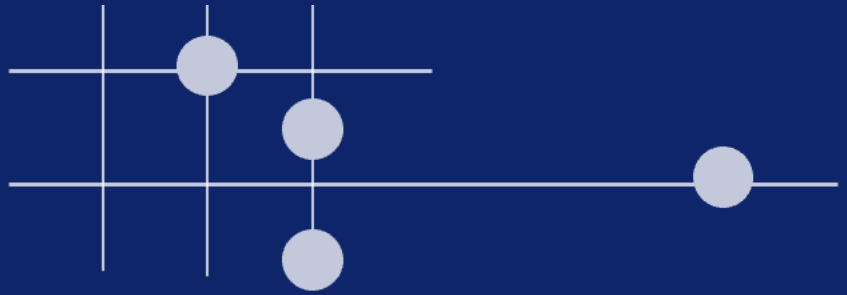
- This work would not have been possible without the support of other team members, past and current: Manish Kumar, Diao Diallo, Mohammad Golam Kibria, Ann Fitzgerald, Ezra Tessera, Colleen Boyle, and Hannah Zwick

- 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





Q&A

The Union

WORLD CONFERENCE ON LUNG HEALTH 2023

TRANSFORMING EVIDENCE INTO PRACTICE

Paris, France
November 15-18

Oral Presentation

Saturday, 18th November

8:50am

Session OA60, Room 212/213

Learn More About the D2AC

Electronic supplementary material:
The online version of this article contains supplementary material.

journal of global health

© 2021 The Author(s)
JoGH © 2021 ISoGH

Cite as: Kumar M, Silver M, Chauffour J, Boyle C, Boone D: Research gaps in transforming tuberculosis data to action for better health outcomes: A systematic literature review. J Glob Health 2021;11:04058.

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

PAPERS

Journal of Global Health Reports

Blog Mission Statement

Research Article

Vol. 6, 2022 • December 05, 2022 BST

Development and expert validation of a 'Data-to-Action Continuum' to measure and advance the data-use capabilities of national tuberculosis programs

Manish Kumar, Jeanne Chauffour, Meredith Silver, Yanira Garcia-Mendoza, David Boone

tuberculosis | data use | capacity building | toolkit

CC BY-4.0 • https://doi.org/10.29392/001c.55760

SCAN ME

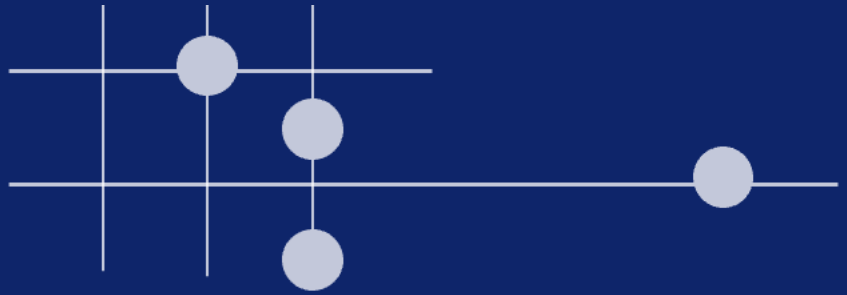
First article:

DOI: 10.7189/jogh.11.04058

SCAN ME

Second article:

DOI: 10.29392/001c.55760



Thank you!

Live Links

TBDIAH.org	http://www.tbdiah.org
PBMEF	https://www.tbdiah.org/resources/publications/navigating-tuberculosis-indicators-a-guide-for-tb-programs/
QTSA	https://www.tbdiah.org/assessments/quality-of-tuberculosis-services-assessments/
D2AC	https://www.tbdiah.org/assessments/d2ac/
Data Analysis & Visualizations	http://hub.tbdiah.org

For more information

Sevim Ahmedov
TB/HIV, Prevention and M&E Team Lead
AOR TB DIAH

sahmedov@usaid.gov

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

USAID
FROM THE AMERICAN PEOPLE

TB DIAH
Tuberculosis Data, Impact Assessment and Communications Hub