TB DIAH

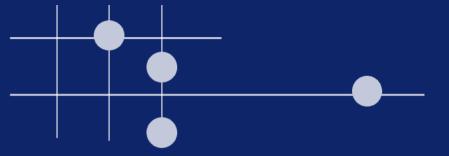
TUBERCULOSIS DATA, IMPACT ASSESSMENT AND COMMUNICATIONS HUB

New Tools and Guidance for Tuberculosis Monitoring, Evaluation and Surveillance from the US Agency for International Development and World Health Organization

February 20th, 2024







Introductions

TB DIAH

TUBERCULOSIS DATA, IMPACT ASSESSMENT AND COMMUNICATIONS HUB

- Part of the Global Accelerator to End TB
- Global, five-year (2018-2023) associate award, \$36M cooperative agreement
- Small team of M&E and TB experts
 working to clarify TB data in way that
 helps 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)

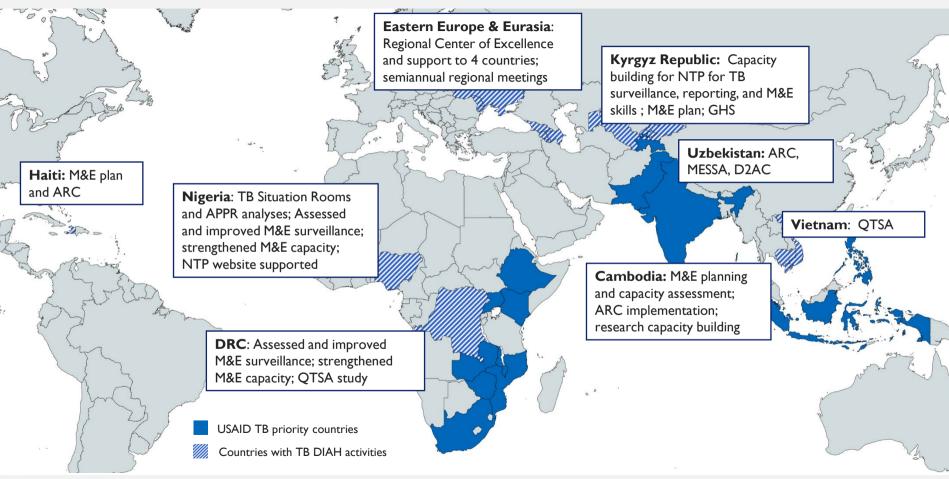
Result 3: Strengthen reporting and communication to address knowledge gaps and share methods, tools, and approaches







Where does TB DIAH work?







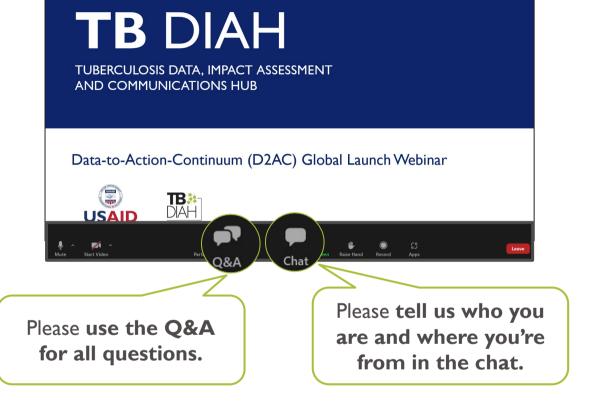
Speakers and agenda



Stephanie Mullen TB DIAH Project Director	Introductions
Sevim Ahmedov TB DIAH AOR USAID	Opening Remarks
Charalampos (Babis) Sismanidis Team Lead Global TB Programme WHO	WHO's 2024 Surveillance Guidance Update
Meaghan Peterson TB M&E Advisor USAID	USAID's Performance-based Monitoring and Evaluation Framework
	Q&A





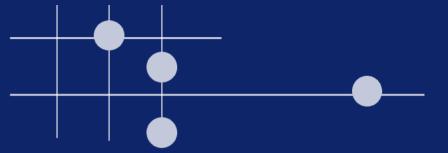




Questions will be addressed during and at the end of the webinar.



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.



Opening Remarks

USAID Global TB Strategy (2023-2030): Results Framework

Measurements	Target		
Impact	 Reduce TB incidence rate by 35% by 2030 Reduce TB mortality rate by 52% by 2030 		
Outcome	 90% of incident TB cases diagnosed and initiated on treatment 90% of incident DR-TB cases diagnosed and initiated on treatment 90% treatment success rate (TSR) for DS-TB and DR-TB Provide TB preventive treatment (TPT) to 30,000,000 		
Process	 All priority countries rapidly introduce new TB tools and approaches All priority countries have strong TB national networks and USAID partnerships inclusive of affected communities All priority countries include appropriate TB interventions in pandemic preparedness plans All priority countries have implemented plans to address socio-economic determinants and health-related risk factors that impact the TB epidemic 		

Summary of upcoming WHO guidance on TB surveillance

Charalampos (Babis) SISMANIDIS

Monitoring, Evaluation and Strategic Information Unit Global Tuberculosis Programme



WHO Task Force on TB Impact Measurement (since 2006)

https://www.who.int/groups/global-task-force-on-tb-impact-measurement

Strategic areas of work:

- Strengthen national surveillance notification systems for direct measurement of cases, including drug-resistance and HIV-associated TB.
- 2. Periodically measure TB disease burden, through priority studies.
- 3. Periodic review of methods used by WHO to estimate the burden of TB disease and latent TB infection.
- 4. Analysis and use of TB data at country level, including:
 - Disaggregated analyses (e.g. age, sex, location) to assess inequalities and equity.
 - Guidance and tools.
 - Capacity building.

Guidance associated with priority areas of work identified by the Task Force on TB impact measurement

1. Strengthening surveillance



2nd edition

Metadata packages

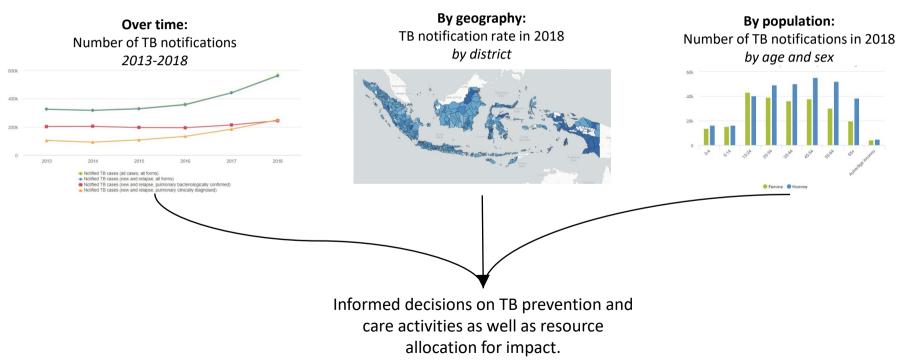




+ software agnostic guidance in 2024

Harnessing the power of reliable routine TB surveillance data

Monitor TB trends over **time**, by **geography** or for specific **populations at risk** to inform TB care and prevention activities and resource allocation.



Guidance on TB surveillance



1994 DOTS strategy: standardised recording and regular reporting of people with TB

https://apps.who.int/iris/handle/10665/58717

2006 update: more disaggregation of cases by age, sex, HIV status. https://apps.who.int/iris/handle/10665/69608

2013 update: new case definitions following WHO approval of rapid molecular tests; minor tweaks in 2014: TB/HIV and 2020: LF-LAM.

https://apps.who.int/iris/handle/10665/79199

2024 update: expanded scope and content, to be published in English (Q1), followed by Spanish, French and Arabic by the end of the year



(World Health Organization



Guidance on TB surveillance



CHAPTERS

- 1. Introduction
- 2. Purpose, principles, scope
- 3. Definitions
- 4. Core indicators to report and use NEW
- 5. Core data items to collect
- 6. Digital TB surveillance NEW
- 7. Data quality NEW

WEB ANNEXES

- A. TB surveillance: commonly observed problems and suggested solutions NEW
- B. WHO TB surveillance checklist (2nd edition)
- C. WHO guidance on record linkage NEW
- Reporting of aggregated data and calculation of core indicators: templates and formulae
- E. Examples of reporting scenarios of diagnosis, start of treatment and treatment outcomes
- F. Evaluation synthesis of case-based DHIS2 implementation in five countries NEW



Chapter 2. Purpose, principles, scope



- Alignment with the WHO End TB Strategy
- Updated WHO guidelines on TB prevention, diagnosis and treatment, including 2020 update to case definitions and treatment outcomes
- Address common problems seen in over 100 national TB epidemiological reviews since 2013
- Promote case-based digital TB surveillance
- Growing demand for "real-time" data



Fig. 4.2 Provisional national data on monthly TB notifications in four high TB burden countries during the COVID-19 pandemic, as reported to WHO

China

Description of the covidation of the countries of the cou



Chapter 2. Purpose, principles, scope



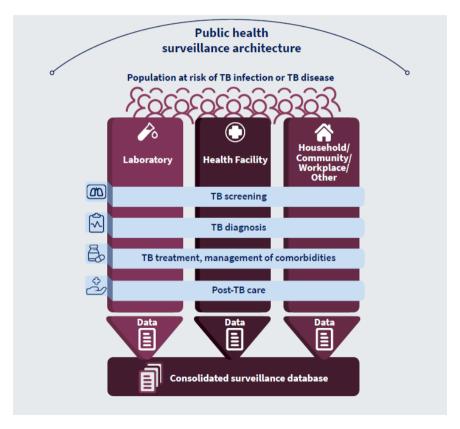
Principles

- 1. Based on clear, comprehensive and standardized definitions
- Limited to collection and reporting of data that will be used
- 3. Applicable to both case-based digital and manual aggregate reporting systems (but **promoting the transition to case-based digital surveillance**)
- 4. Data are checked for completeness and accuracy
- 5. The **frequency** of **reporting** varies according to intended use and should be clearly specified
- 6. Countries should benefit from the experience and lessons learned in other countries



Chapter 2. Purpose, principles, scope







Chapter 3. Definitions



New term or definition	Previous term or definition	Reason for change
Terms		
Recurrent case	Relapse case	It ensures alignment with case definitions for people with TB commonly used in TB clinical trials.
Re-registered for treatment	Retreatment	It is a simplified and more accurate descriptor for people who start a new TB treatment regimen (following either treatment failure, loss to follow-up) or for whom the outcome of a previous treatment is undocumented (see also Table 3.6).
New episode of TB	New or relapse case	It is a simplified descriptor of people newly diagnosed with TB.



Chapter 3. Definitions



New term or definition	Previous term or definition	Reason for change
Definitions		
The same definitions are used for each category of treatment outcome, irrespective of a person's pattern of drug resistance and their treatment regimen.	The definitions used for some categories of treatment outcome (e.g. cured, treatment failed) were different for people treated for drug-susceptible TB and people treated for drug-resistant TB. The previous definitions for drug-resistant TB were relatively complex.	It allows for considerable simplification and streamlining of definitions, and is consistent with the outcomes of a WHO consultation convened in 2020 (5)
A change of treatment regimen (e.g. from a standard first-line regimen for drug-susceptible TB to a regimen for drug-resistant TB) is recorded as a "treatment failure".	Patients initially treated for drug- susceptible TB whose treatment was changed (prior to completion of treatment) to a regimen for drug-resistant TB were recorded with the outcome "transferred". They were not included in the calculation of the treatment success rate for people treated for drug- susceptible TB.	It is important to identify the optimal treatment for people with TB disease at the start of treatment. The change also ensures more accurate assessment of treatment outcomes.



Chapter 3. Definitions



- **Treatment initiation:** percentage of people diagnosed with TB, registered as a TB case. Monitor this step in the pathway of care because diagnosis of TB disease does not necessarily mean that a person will be offered or accept to take treatment
- For surveillance purposes, differentiating between **case** and **treatment** outcome categories: same across <u>all</u> case types and treatment regimens. "Died" and "Lost to follow-up" are different categories for the two cohorts.





- Rapid (weekly or monthly): detect and act on sudden changes in number diagnosed with a new TB episode
- Regular (quarterly): monitor provisional core indicators for epidemiological trends and programmatic responses
- Consolidated (annually): monitor a final larger set of indicators for epidemiological trends and programmatic responses





	Rep		
Purpose	Rapid (weekly or monthly)	Regular (quarterly)	Consolidated (annual)
Monitoring of TB epidemiological trends	X	X	X
Timely detection and investigation of sudden or unexpected changes	Х		
Assessment of progress towards national and global targets			Х
Assessment of the performance of TB services	Х	Х	Х
Informing the planning, budgeting, policy, programmatic and clinical actions necessary to ensure high quality and coverage of TB services		Х	Х





Table 4.6 Core set of TB surveillance indicators for annual reporting and use in <u>all countries</u>, irrespective of whether a case-based digital or paper-based aggregated surveillance system is in place

The indicators comprise all of the core indicators recommended for quarterly reporting and use (Table 4.2) as well as additional core indicators that are recommended only for annual reporting and use. The fourth column identifies whether an indicator is for quarterly reporting, annual reporting or both.

Indicator	Numerator and denominator	Recommended level of disaggregation	Reporting frequency			
People diagnosed with TB disease	People diagnosed with TB disease					
Notifications: Number of notifications of people diagnosed	Numerator: Number of notifications of people diagnosed with a new episode of TB ^a	Sex: male, female, intersex, unknown/unspecified Age group (in years): 0-4, 5-9, 10-14, 15-19, 20-24, 25-34,	Quarterly, annual			
with a new episode of TB ^a	Denominator: 1	35–44, 45–54, 55–64, ≥65 Geographic area: administrative unit ^b				
		Type of TB: pulmonary bacteriologically confirmed, pulmonary clinically diagnosed, extrapulmonary Treatment history: new, recurrent, unknown				
Notification rate: Number of people diagnosed with a new episode	Numerator: Number of people diagnosed with a new episode of TB × 100 000	Sex: male, female, intersex, unknown/unspecified Age group (in years): 0-4, 5-9, 10-14, 15-19, 20-24, 25-34,	Quarterly, annual			
of TB per 100 000 population	Denominator: Number of people in the population	35–44, 45–54, 55–64, ≥65 Geographic area: administrative unit ^b				





Table 4.7 Five additional indicators that are recommended for annual reporting in <u>countries with a</u> case-based digital surveillance system

Indicator	Comment			
People with presumptive TB				
Number of diagnostic tests performed for TB using WHO-recommended rapid diagnostic tests (WRDs) Percentage of tests for TB that were positive using WRDs	These indicators can be used to measure the level of effort made to diagnose TB. Digital laboratory databases can be used as the source of data for these indicators.			
People diagnosed with TB disease				
Rapid testing for TB: Percentage of people diagnosed with a new episode of TB who were initially tested with a WRD	Rapid testing is important in all countries. WRDs are highly accurate, reduce the time to treatment initiation, impact patient-important outcomes, and are cost-effective. A major consequence of the insufficient use of WRDs is the large gap in the detection of drug resistance.			
Contacts of people diagnosed with bacteriologic	ally confirmed pulmonary TB disease			
Contact investigation coverage: Percentage of household contacts (or all close contacts) who were evaluated for TB (disease or infection)	WHO guidelines on TB preventive treatment recommend that all household contacts of a positive TB case should be evaluated for TB disease and infection (4). Contact investigation coverage and the coverage of TB preventive treatment			
Preventive treatment of contacts: Percentage of household contacts (or all close contacts) who were started on TB preventive treatment, out of	are two of the indicators recommended by WHO for monitoring implementation of the WHO End TB Strategy. Global targets have been set for TB preventive treatment that have been endorsed by all UN Member States.			
those eligible	Of note, some national guidelines recommend investigation of all close contacts, with varying definitions among countries of what constitutes a "close" contact.			





Table 4.8 <u>Candidates</u> for additional disaggregations of data about the annual number of notifications of people diagnosed with a new episode of TB disease in <u>countries with</u> a case-based digital surveillance system

Disaggregation	Comment
Sector of the health system (e.g. public, private for- profit, private non-profit provider)	Disaggregation of notifications by sector of the health system may be relevant in countries with large numbers of providers in the private sector (including private for-profit individual and institutional providers, as well as not-for-profit mission hospitals, nongovernmental organizations and faith-based organizations), and/or large numbers of providers in the public sector that are not within the NTP network (such as public hospitals, public medical colleges, prisons and detention centres, military facilities and public health insurance organizations). A global working group on public-private and public-public mix (PPM) for TB has identified a top priority group of countries for monitoring of TB case notifications by type of health provider (7).*

Table 4.9 Examples of additional <u>candidates</u> for inclusion in the core set of indicators for national annual reporting and use in <u>countries with a case-based digital surveillance system</u>

Indicator	Comments
People diagnosed with TB disease	
Percentage of people with a new episode of TB that is clinically diagnosed who had a WRD test	Experience in some countries has shown an unduly high proportion of clinically diagnosed cases had a negative WRD test result. In such
Numerator: Number of people with a new episode of pulmonary TB that is clinically diagnosed who had a WRD × 100 Denominator: Number of people with a new episode of pulmonary TB that is clinically diagnosed	settings, it may be important to monitor this indicator. The expected proportion when WRDs are widely used is in the range 10–20% (Web Annex B). Note that if a WRD result is positive then the person should be classified as having bacteriologically confirmed pulmonary TB.



Chapter 5. Core data elements to collect

so that all indicators from Chapter 4 can be calculated



Table 5.1 Core set of data items to record for every person with TB disease

This table is relevant for <u>all countries</u>, irrespective of whether a case-based digital or paper-based aggregated surveillance system is in place. Suggested codes have been included for each data item. The purpose of these codes is to show how indicators are calculated from the data items (see Section 5.5).

Data item name	Code	Possible values	Definition (for full details related to definitions, see Chapter 3)
Health facility ID	facility_id		Unique ID of the health facility that recorded the notification
Notification details	of the person with T	B disease	
Person ID	person_id		Unique ID of the person moving through the health system
Registration date	registered_date	(valid date)	Date when registration details of the person with TB were added to the TB register. This defines the cohort period in which the person will be included in treatment outcome monitoring (e.g. date between 1 January and 31 March = Quarter 1 of that year). If a person is re-registered (for example after needing a change of treatment regimen), the registration date refers to the date at which the person was re-registered.
Age	age		Age at last birthday at time of registration (in years)
Sex	sex	F	Female: Sex assigned at birth is female (ICD-11 code XX2V25)
		М	Male: Sex assigned at birth is male (ICD-11 code XX2UQ8)
		T	Intersex: The person was born with sex characteristics (including genitals, gonads and chromosome patterns) that do not fit typical binary notions of male or female bodies (ICD-11 code XX45B7)
		U	Unknown/unspecified (ICD-11 code XX2PX3)

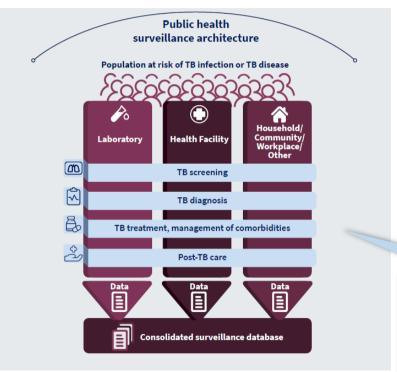


Chapter 6. Digital surveillance



Unified, digital, case-based environment

- 6.1 Advantages of case-based digital surveillance
- 6.2 How should national case-based digital TB surveillance work in practice?
- 6.3 WHO digital packages for TB surveillance



- Country examples
- WHO DHIS2 TB digital packages
 - Software agnostic digital adaptation kits for TB



- 7.1 Dimensions of data quality
- 7.2 Governance and design features of a TB surveillance system that can help to ensure data quality
- 7.3 Routine data validation checks
- 7.4 Periodic evaluations of data quality

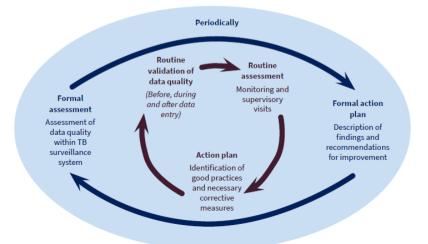
Chapter 7. Data quality



Fig. 7.1 An illustration of the recording and reporting process for TB data



Fig. 7.2 An illustration of how routine data validation checks and periodic assessments of data quality can be implemented as part of NTP plans





Web annex A. Commonly observed problems & suggested solutions



Synthesis of findings from epidemiological reviews

Fig. 1.1 Overview of commonly observed data- and system-associated problems of TB surveillance

Objectives, scope and intended use of the surveillance system have not been clearly defined or are weak

System-associated issues

System coverage

TB cases are underdiagnosed or underreported

System fragmentation, interoperability

The system is fragmented, without appropriate interoperability solutions or data linkage across platforms

System implementation and scale-up

Implementation of a new system and scale-up do not follow a clear plan with associated M&E

$\overline{}$

Data collected

are not aligned with objectives, scope and intended use of the surveillance system

Data management and quality

Data-associated issues

Data management is weak. The TB data that are collected and reported are of low quality.

Data analysis and use

Analysis of TB
data are not
carried out
routinely or are
unstructured.
Data are not
used
appropriately for
decision-making



Web annex B. TB surveillance checklist (2nd ed.)



Integral part of a TB epidemiological

review

Describe and assess routine TB surveillance and vital registration systems and their capacity for measuring TB burden accurately (in terms of incidence and mortality)



<u>Part A:</u> 18 questions, with structured outcomes, to serve as a standardized framework for characterizing the TB surveillance system.

Part B: 17 standards, with associated benchmarks, to assess the capacity of the TB surveillance system.

- Section 1 (10 core standards): data quality, system coverage, vital registration
- Section 2 (3 standards for specific populations): DR-TB, TB/HIV, childhood TB
- Section 3 (2 standards for care): quality of treatment outcomes data
- Section 4 (2 standards for prevention): quality of programmatic management of TPT data

Summary of updates in 2nd Edition:

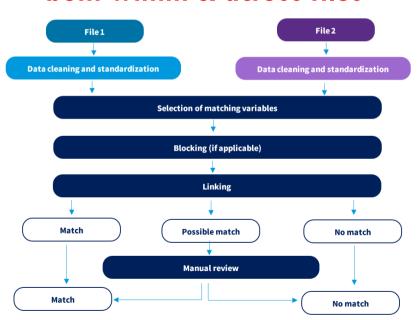
Updates to the benchmarks for standards **B1.6**, **B1.9**, **B1.10**, **B2.1**, **B2.2** and **B2.3**, otherwise refer to Edition 1 User Guide.

New standards: B3.1, B3.2, B4.1, B4.2.

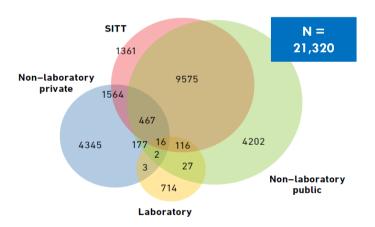


Web annex C. Record linkage guidance

Key steps using Link Plus: both within & across files



Measuring underreporting





Facility name

Web annex D. Reporting and calculations of core indicators: templates and formulae



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Block 1	All people diagnosed with TB disease during the method of diagnosis and previous treatment his		,
	drug-resistant TB and people diagnosed with T	,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	

	New episodes			
	New cases ^b Recurrent cases Unknown previ			
Pulmonary, bacteriologically confirmed	REG.1	REG.2	REG.3	
Pulmonary, clinically diagnosed	REG.4	REG.5	REG.6	

	Re-registered cases ^c	
ſ	REG.8	
	REG.9	
Γ		1

Report for calendar year

Extrapulmonary, bacteriologically confirmed or clinically diagnosed	REG.7		REG.10
Total new episodes	REG.11 = REG.1 + REG.2 + REG.3 + REG.4 + REG.5 + REG.6 + REG.7		
Total notified	REG.12 = REG.1 + REG.2 + REG.3 + REG.4 + REG.5 + REG.6 + REG.7 +	REG.	8 + REG.9 + REG.10

^{*} Include all people diagnosed with TB regardless of whether anti-TB treatment was started or not. Do not include patients transferred in from other facilities.

b People diagnosed with TB who have never been treated for TB or have only ever taken TB drugs for less than 1 month.

^c Treatment after failure, treatment after lost to follow-up or treatment after unknown outcome of most recent anti-TB treatment.

More information

For more information, please contact:

- Babis Sismanidis sismanidisc@who.int
- Gita Parwati parwatic@who.int
- Marek Lalli lallim@who.int

World Health Data Hub

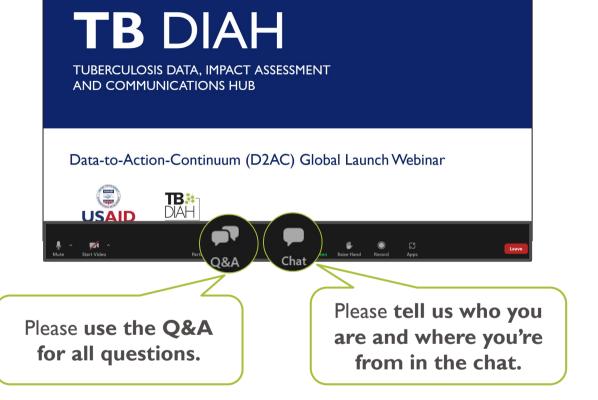
Global Strategy on digital health 2020-2025

SMART guidelines

Example of DAK for HIV

WHO DHIS2 TB digital packages

WHO Toolkit for routine health information systems data

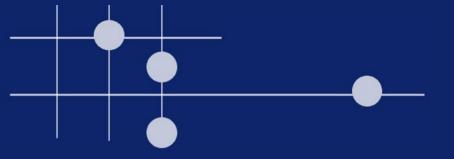




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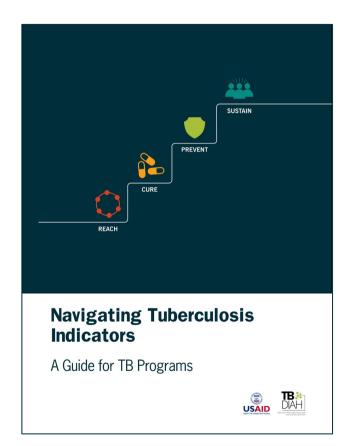
PBMEF Background and Revision Process

What is the Performance-based M&E Framework (PBMEF)

 Cornerstone of USAID's efforts to ensure effective accountability of investments in TB at global, regional, and country levels and accelerate progress to end the TB epidemic.

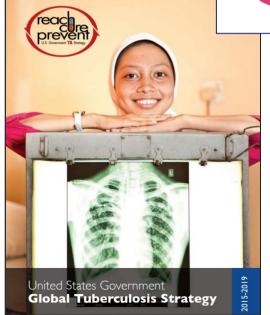
PBMEF provides:

- ✓ A set of standardized indicators to measure essential TB program outputs and outcomes
- ✓ Details on the performance of TB programs in specific technical areas (e.g., diagnosis, treatment, TB/HIV, private sector, etc.)
- ✓ Treatment cascades and patient pathways that are critical to understanding where gaps are and where efforts need to be strengthened.

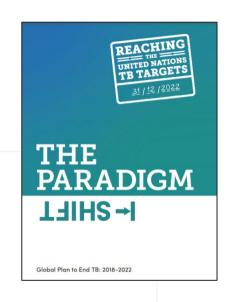


How was the PBMEF developed?











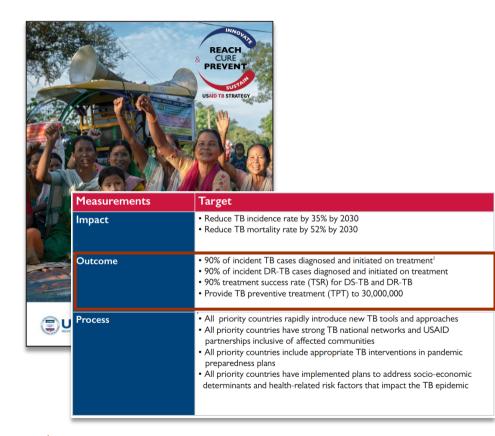


USAID Global TB Strategy (2023–2030)

Results framework: 90-90-90+ Prevention

USAID will work with partners worldwide to:

- reach every person with TB
- cure those in need of treatment
- prevent new infections and progression to active TB disease, while
- Scaling-up innovations in detection, care, and treatment, and
- Fostering local ownership to sustain TB programs that contribute to pandemic preparedness



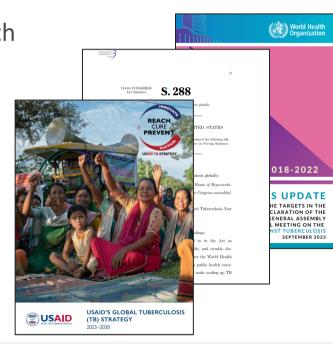
https://www.tbdiah.org/resources/publications/usaid-global-tb-strategy/





PBMEF revision process

- In addition to the new strategy, new guidelines and targets have been released by WHO and UNHLM, and the End TB Now Act of 2023 (ETNA) has been introduced in the U.S. Congress
- To address these changes, TB DIAH is working with USAID, USAID advisors, and USAID partners through the TB Data Special Interest Group (TB SIG) to update the PBMEF
- Revisions will ensure PBMEF:
 - ✓ Meets the reporting requirements
 - ✓ Supports countries to report required indicators
 - ✓ Aligns with ongoing changes



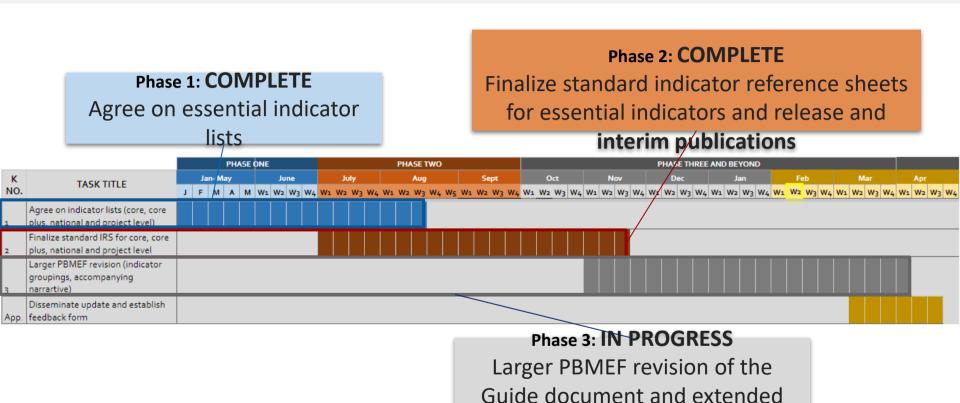
PBMEF governance through TB Data SIG

- TB Data Special Interest Group (SIG) is an advisory board and resource group of technical experts to serve USAID's TB data needs to measure performance and to inform programmatic decision making
- The SIG will provide governance and oversight to any updates to the PBMEF indicators and their definitions

Interested in joining the SIG? TB Data SIG Interest Form: https://bit.ly/48oVDEO



PBMEF revision process



indicators





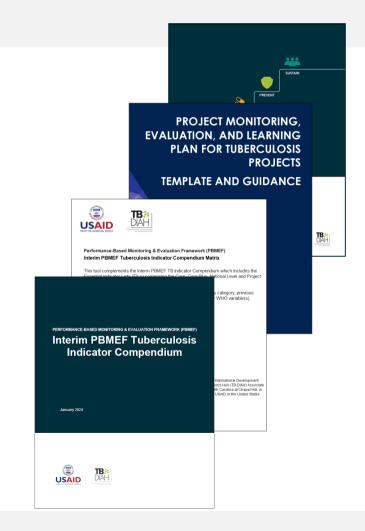
PBMEF suite of resources

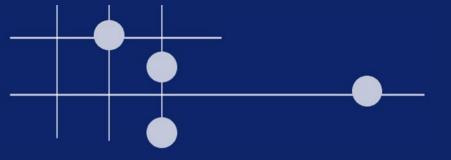
Available now:

- Interim PBMEF TB Indicator Compendium
- Interim PBMEF Indicator Matrix
- Updated MEL Plan Template & Guidance
- Original PBMEF TB Indicator Guide & Compendium

Coming Spring 2024:

- Updated PBMEF TB Indicator Compendium
- Updated PBMEF TB Indicator Guide





Interim PBMEF Publications: New M&E Tools

New publications

- Now available:
 - ✓ Interim PBMEF **Tuberculosis** Indicator Compendium
 - ✓ Interim PBMEF Indicator Matrix
 - ✓ MEL Plan Template





Interim PBMEF Indicator Matrix

TB Monitoring, Evaluation, and Learning (MEL) Plan Template and Guidance

Includes the TB MEL plan template with instructions, an example of a completed sample MEL plan, and a blank template for implementing partners (IPs) to draft their own MEL plans for TB activities.



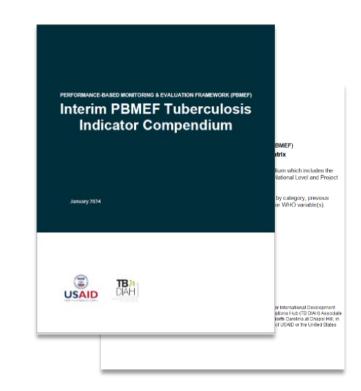
MEL Plan Template and Guidance

https://www.tbdiah.org/assessments/pbmef/

Interim PBMEF Tuberculosis Indicator Compendium & Matrix

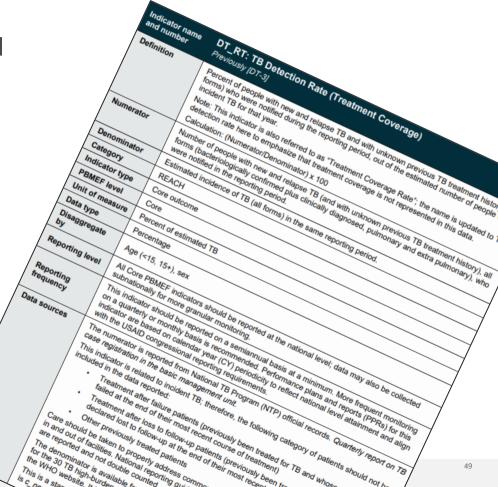
- Compendium document includes:
 - ✓ Essential Indicators List
 - √ Standardized indicator reference sheets
 - ✓ Summary table or "Matrix" summarizes essential indicators (static version in compendium, but also posted in Excel format)

 Note the original publication is still available for the extended indicators and will be replaced when the full revision is complete



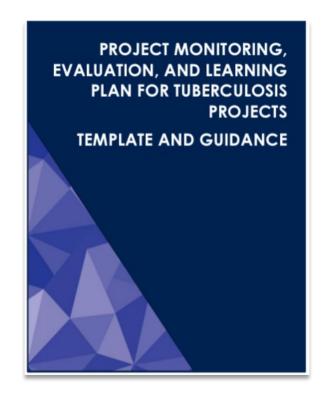
Interim PBMEF Tuberculosis Indicator Compendium (Cont'd)

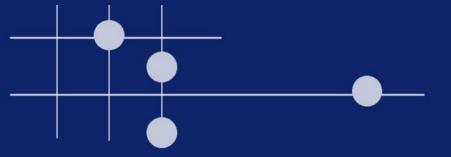
- Full indicator reference sheets for all essential indicators assist with standardized data collection and reporting
- The indicator reference sheet pictured, for example, is for TB detection rate (treatment coverage)



MEL Plan Template

- Three-part document;
 - √ Section-by section instructions for a MEL
 - ✓ Blank, fillable MEL Plan template
 - √ Sample MEL plan
- Intended as a tool for projects with TB funding
- Not mandatory to use this template, but highly encouraged
- ADS-mandated components of a MEL plan are highlighted in the document

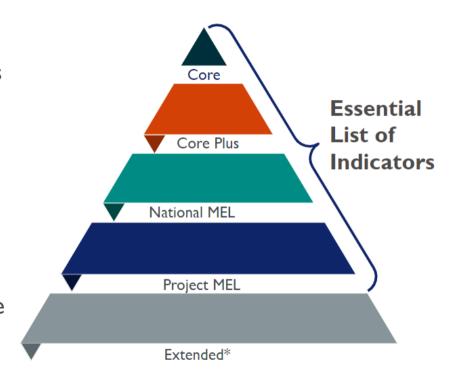




Essential List of Indicators

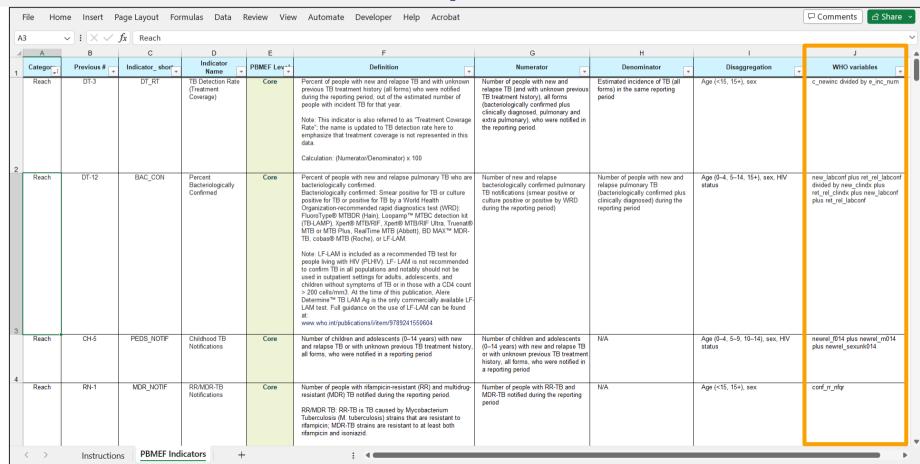
Levels of PBMEF Indicators

- Core: established 10 priority indicators
- Core Plus: more detail to core indicators
- National: additional data that should be available at national level
- Project: additional steps in cascades that may not be available at national level
- Extended: index of additional standardized indicators to help meet project needs for specific activities, if more detail is wanted than what is provided by essential indicators



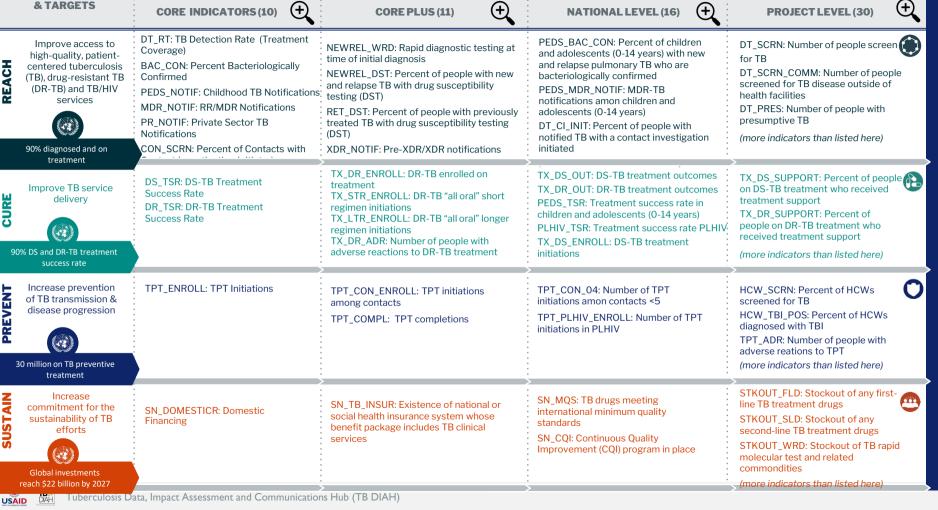


Essential Indicator Summary Table: PBMEF Matrix





MISSION REPORTING



ACCEL FRATOR

PPR/ACCFL FRATOR

OBJECTIVES

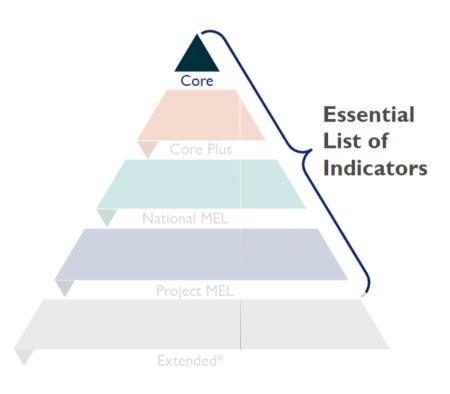
CURE

PREVENT

SUSTAIN

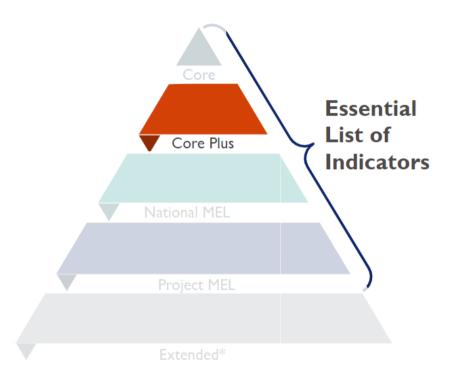
PBMEF Core Indicators

- Reported at a national level for PPR/ Accelerator
- At the mission level, missions should be reporting on all these indicators through any combination of assigning them to partners
- Partners should select as many of these as are applicable; each partner receiving TB funding must include core indicator(s) in MEL plans



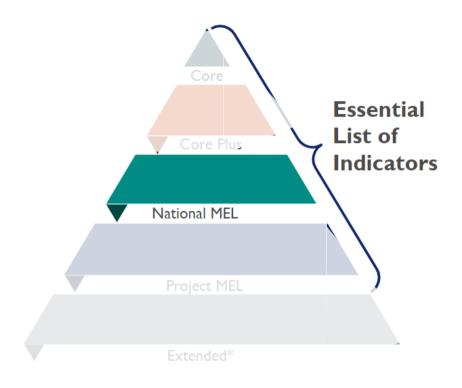
PBMEF Core Plus Indicators

- Report at national level for USAID Accelerator Calls
- At the mission level, missions should be reporting on all these indicators for Accelerator calls
- Partners should select as many of these as are applicable



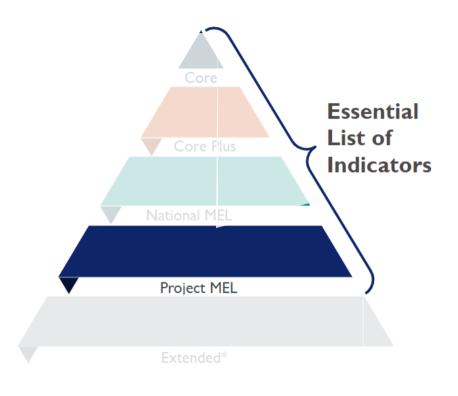
PBMEF National Indicators

- These should be available and reported at the national level, through project-level (sub-national) data may be reported if national data is unavailable
- Partners should include all relevant indicators in their MEL plans
- Help meet the reporting requirements articulated in the End TB Now Bill (ETNA)



PBMEF Project Indicators

- Expected to be reported at the project level as these data may not be available at national level, though if the data is available at national level this should be reported/monitored
- Partners should include all relevant indicators in their MEL plans
- Help meet the reporting requirements articulated in the End TB Now Bill (ETNA)



For more information

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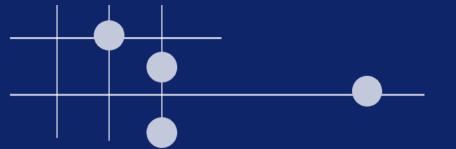


Meaghan Peterson

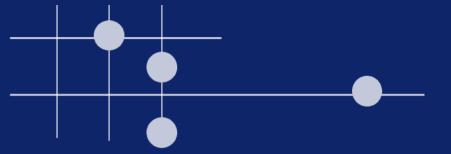
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Q&A



Thank you!

Live Links

TBDIAH.org http://www.tbdiah.org https://www.tbdiah.org/assessments/pbmef/ **PBMEF** https://www.tbdiah.org/assessments/quality-of-tuberculosis-**OTSA** services-assessments/ https://www.tbdiah.org/assessments/d2ac/ D2AC



http://hub.tbdiah.org





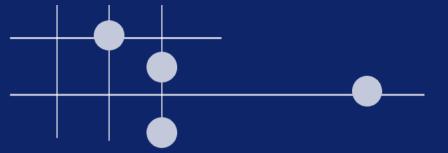


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Extra Slides

PPR/ACCELERATOR REPORTING

CORE INDICATORS

- Reported at a national level for PPR/ Accelerator
- At the mission level, missions should be reporting on all these indicators through any combination of assigning them to partners
- Partners should select as many of these as are applicable; each partner receiving TB funding must include core indicator(s) in MEL plans

Full Framework



- √ DT_RT: TB Detection Rate (Treatment Coverage)
- ✓ BAC_CON: Percent Bacteriologically Confirmed
- ✓ PEDS_NOTIF: Childhood TB Notifications
- ✓ MDR_NOTIF: RR/MDR-TB Notifications
- ✓ PR_NOTIF: Private Sector TB Notifications
- ✓ CON_SCRN: Percent of Contacts Screened for TB



- ✓ DS TSR: DS-TB Treatment Success Rate
- ✓ DR_TSR: DR-TB Treatment Success Rate



✓ TPT ENROLL: TPT Initiations



✓ SN DOMESTICR: Percent of TB Financing Received from Domestic Sources

ACCELERATOR REPORTING

CORE PLUS

- Report at national level for Accelerator
- At the mission level, missions should be reporting on all these indicators for Accelerator calls
- Partners should select as many of these as are applicable



- ✓ NEWREL_WRD: Rapid diagnostic testing at time of initial diagnosis
- √ NEWREL_DST: Percent of people with new and relapse TB with drug susceptibility testing (DST)
- ✓ RET_DST: Percent of people with previously treated TB with drug susceptibility testing (DST)
- ✓ XDR_NOTIF: Pre-XDR/XDR Notifications



- √ TX DR ENROLL: DR-TB treatment initiations
- ✓ TX_STR_ENROLL: DR-TB "all oral" short treatment regimen initiations
- ✓ TX_LTR_ENROLL: DR-TB "all oral" longer treatment regimen initiations
- ✓ TX_DR_ADR: Number of people with adverse reactions to DR-TB treatment



- ✓ TPT_CON_ENROLL: TPT initiations among contacts
- ✓ TPT_COMPL: TPT Completions

Full Framework



SN_TB_INSUR: Existence of a national or social health insurance system whose benefit package includes TB clinical services

MISSION REPORTING

NATIONAL LEVEL

- These should be available and reported at the national level, through project-level (subnational) data may be reported if national data is unavailable
- Partners should include all relevant indicators in their MEL plans
- Help meet the reporting requirements articulated in the End TB Now Bill (ETNA)

Full Framework



- ✓ PEDS_BAC_CON: Percent children and adolescents (0–14 years old) with new and relapse pulmonary TB who are bacteriologically confirmed
- ✓ PEDS_MDR_NOTIF: MDR-TB notifications among children and adolescents (0-14 years)
- ✓ DT_CI_INIT: Percent of people with notified TB with a contact investigation initiated
- ✓ DT_CON_PRES: Number of contacts with presumptive TB
- ✓ DT_CON_TST: Number of contacts who received TB diagnostic testing
- ✓ DT_CON_DX: Number of contacts diagnosed with active TB disease
- ✓ DT_CON_TX: Number of contacts who initiated TB treatment



- ✓ TX_DS_OUT: DS-TB treatment outcomes
- ✓ TX_DR_OUT: DR-TB treatment outcomes
- ✓ PEDS_TSR: Treatment success rate in children and adolescents (0-14 years)
- ✓ PLHIV_TSR: Treatment success rate among PLHIV
- ✓ TX DS ENROLL: DS-TB treatment initiations



- ✓ TPT_CON_04: Number of TPT initiations among contacts <5</p>
- ✓ TPT_PHLIV_ENROLL: Number of TPT initiations among PLHIV



- ✓ SN_CQI: Continuous Quality
 Improvement (CQI) programs in place
- ✓ SN_MQS: TB drugs meeting international minimum quality standards

MISSION REPORTING

PROJECT LEVEL

- Expected to be reported at the project level as these data may not be available at national level, though if the data is available at national level this should be reported/monitored
- Partners should include all relevant indicators in their MEL plans
- Help meet the reporting requirements articulated in the End TB Now Bill (ETNA)

Full Framework



- DT_SCRN_COMM: Number of people screened for TB disease outside of health facilities
- ✓ DT_SCRN: Number of people screened for TB
- ✓ DT_PRES: Number of people with presumptive TB
- ✓ DT_TST: Number of people with presumptive TB who received diagnostic testing
- ✓ DT_WRD: Number of people with presumptive TB who were tested with a rapid diagnostic test
- ✓ DT_CXR: Number of people with presumptive TB who received a chest X-ray (CXR)
- ✓ NNS: Number needed to screen
- ✓ NNT: Number needed to test
- ✓ DR_CI_INIT: Percent of people with DR-TB who had contact investigations initiated
- ✓ CON TBI TST: Number of contacts tested for TBI
- ✓ PR_BAC_CON: Percent bacteriologically confirmed in private sector
- ✓ MH_SCRN: Percent of people diagnosed with TB and screened for mental health disorders
- ✓ TAT_SUBMIT: Turnaround time (TaT): Percent of specimens submitted to a laboratory within specified target timeframe
- ✓ TAT_TST: Turnaround time (TaT): Percent of specimens received at testing laboratory and tested within specified target timeframe
- ✓ TAT_RPRT: Turnaround time (TaT) Percent of specimens tested and results report to referring facility (or provider) within specified target timeframe



- TX_DS_SUPPORT: Percent of people on DS-TB treatment who received treatment support
- ✓ TX_DR_SUPPORT: Percent of people on DR-TB treatment who received treatment support
- ✓ MH_TX: Percent of people with TB who received psychotherapeutic interventions
- ✓ DM_SCRN_POS: Percent screened positive for diabetes among people confirmed with TB



- ✓ CON_TBI_POS: Number of contacts tested positive for TBI
- ✓ HCW_SCRN: Percent of HCWs screened for TB
- √ HCW_TBI_POS: Percent of HCWs diagnosed with TBI
- ✓ TPT_ADR: Number of people with adverse reactions to TPT
- ✓ SN_IPC: Congregate settings with IPC



- √ HWC_TRN: Percent of HCWs who received TBrelated training
- √ STKOUT_FLD: Stockout of any first-line TB treatment drugs
- ✓ STKOUT_SLD: Stockout of any second-line TB treatment drugs
- ✓ STKOUT_WRD: Stockout of TB rapid molecular tests and related commodities
- ✓ SN STGMA NSP: TB stigma reduction in NSP
- ✓ SN_STGMA_ASSESS: TB stigma assessment/gap analysis available