

# Strategic Direction I Group Work Presentation

**INTEGRATED PATIENT-CENTERED CARE AND  
PREVENTION**

**Objective 1:** accelerate **response for further** decline in the prevalence of drug sensitive and drug-resistant TB

**Strategic Direction I: Integrated patient-centered care and prevention**

1.1. Accelerate the appropriate diagnosis of TB

1.2. Detect and treat all forms of TB, among all ages and including drug-resistant and drug-sensitive

1.2.1 Core DOTS

1.2.2 PMDT

1.2.3 Pediatric TB

1.3. Joint TB and HIV programming to enable decentralized and integrated services for TB and HIV

1.4 TB Collaborative activities

1.4.1 TB and NCD (DM, Hepatitis, Mental Health)

1.4.2 TB and Tobacco

# 1.1. Accelerate the appropriate diagnosis of TB

4.1	Optimal utilization of existing rapid diagnostic tools	<ul style="list-style-type: none"><li>• Expanding Gene Xpert testing among presumptive TB cases based on CXR abnormality</li><li>• Use of FL LPA and SL LPA per updated national GL and SOPs</li><li>• <u>FL LPA testing for registered retreatment cases after excluding RR TB by Gene Xpert (Nationwide start from 2021)</u></li><li>• <u>For smear neg cases (if FL LPA is not interpretable – will do culture )</u></li><li>• LPA test for Mycobacterium CM/AS (Common Mycobacteria and Additional species) will be used for as additional confirmatory species identification of NTM at BSL-3 laboratories</li><li>• <u>Use of TB LAMP at R/S level TB Centers where case load are more than Xpert capacity (Cannot replace GeneXpet and also microscopy for follow-up)</u></li></ul>
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# 1.1. Accelerate the appropriate diagnosis of TB

9	Implementation Research	<ul style="list-style-type: none"><li>• Using new diagnostic tools and innovative approaches that can be applied and utilized in the local context<ul style="list-style-type: none"><li>▪ Omni gene sputum transport solution (purpose – decontamination procedure + transport medium for liquid and solid culture)</li><li>▪ <u>TB LAMP</u></li><li>▪ <del>Urinary LAM</del> (NAP already introduced in their program)</li></ul></li></ul>
10	Regular supply of lab commodities	<ul style="list-style-type: none"><li>• Expansion of electronic logistic management information system (eLMIS) up to the R/S level and township service delivery points</li><li>• <u>Establishment of an electronic requisition system from township microscopy center to regional and regional to central level</u></li><li>• Optimizing warehouse management system, including capacity building for warehouse staff</li></ul>

# 1.1. Accelerate the appropriate diagnosis of TB

<u>Percentage of townships that employ/ install GeneXpert or other molecular diagnosis (cumulative percentage)</u>	<u>All reporting townships</u>	<u>25%</u> <u>(76/322)</u>	<u>40%</u>	<u>50%</u>	<u>55%</u>	<u>55%</u>	<u>55%</u> <u>(177/322)</u>
<u>No. of GeneXpert machines (cumulative number)</u>	<u>Number</u>	<u>92</u>	<u>142</u>	<u>170</u>	<u>182</u>	<u>182</u>	<u>182</u>

# 1.1. Accelerate the appropriate diagnosis of TB

<u>Number of District TB Centres with digital X-ray (Cumulative)</u>	<u>Number of districts (75, 2019)</u>	<u>14</u>	<u>30</u>	<u>40</u>	<u>50</u>	<u>55</u>	<u>60</u>
<u>Percentage of township with at least one medical officers/MO having received training on X-ray reading in the past year (cumulative percentage of 10% per year)</u>	<u>No. of all reporting townships (322)</u>	<u>12%</u>	<u>50%</u>	<u>60%</u>	<u>70%</u>	<u>80%</u>	<u>90%</u>
<u>No. of mobile X-ray team</u>	<u>Number</u>	<u>14</u>	<u>15</u>	<u>16</u>			

## 1.2. Detect and treat all forms of TB, among all ages and including drug-resistant and drug-sensitive

### 1.2.2 PMDT

No. of DR-TB treatment initiation centers with renovated wards for IPC, including isolation (cumulative)		3	17	18	19	20	21
Proportion of DR-TB patients receiving social support		100%	100%	100%	100%	100%	100%

## 1.2. Detect and treat all forms of TB, among all ages and including drug-resistant and drug-sensitive

### 1.2.3 Pediatric TB

2	Intensify case finding for < 5 years old age group by integrating with IMNCI	<ul style="list-style-type: none"><li>• Intensified case findings especially for under 5 children integrated with IMNCI in under 5 clinics</li><li>• Use of Xpert Ultra <u>and considered the use of TB Lamp in inadequate samples</u></li></ul>
3	Strengthen appropriate use of X-ray as a diagnostic tool	<ul style="list-style-type: none"><li>• Expand access to CXR at township level along with MOHS investments</li><li>• Capacity building for CXR reading and interpretation</li><li>• <u>Pilot “Remote diagnosis support system using digital technology”</u></li><li>• Pilot EQA system for CXR to avoid over and under diagnosis along with regular quality control of CXR reading</li></ul>



# 1.4 TB Collaborative Activities

## 1.4.1 TB and NCD

TB and DM Collaborative Activities	Denominator	Baseline 2018	Targets				
			2021	2022	2023	2024	2025
<u>Number of townships with TB/DM collaborative activities</u>	Total number of townships of the country	32	330	330	330	330	330