Proposal to implement and roll-out Xpert MTB/RIF system in EXPAND-TB

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Session 6: Plans of early implementing partners for Xpert roll-out

EXPAND-TB is supported by the World Health Organization, the Stop TB Partnership (Global Laboratory Initiative and Global Drug Facility) and FIND under a US$ 88 million grant from UNITAID over 5 years
EXPAND-TB bridges the gap in MDR-TB diagnosis, enabling TB-endemic countries to access:

- rapid diagnostic tools for MDR-TB, including liquid culture, rapid-speciation and molecular line probe assay
- state-of-the-art and well-equipped TB reference and regional laboratories
PROGRESS-AT-A-GLANCE

Over 30 labs conducting or passed new diagnostic tool validation
20/27 countries assessed (FIND and GLI)
20/27 countries signed MOUs (MOH and FIND)
14/27 countries with final Dxs consumption plans (GDF)
ESTIMATED MDR-TB CASES

MDR-TB cases detected through EXPAND-TB

<table>
<thead>
<tr>
<th>Year</th>
<th>Estimated Cases</th>
<th>Number of Countries</th>
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<tbody>
<tr>
<td>2009</td>
<td>1239</td>
<td>2</td>
</tr>
<tr>
<td>2010</td>
<td>4166</td>
<td>6</td>
</tr>
<tr>
<td>2011</td>
<td>16318</td>
<td>15</td>
</tr>
<tr>
<td>2012</td>
<td>56341</td>
<td>27</td>
</tr>
<tr>
<td>2013</td>
<td>129000</td>
<td>27</td>
</tr>
</tbody>
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IMPACT AFTER LABORATORY VALIDATION

MDR-TB cases detected

Lab validations

- Uganda
- Lesotho
- Myanmar
- Ethiopia
- Uzbekistan
POSITIONNING OF TECHNOLOGIES

Diagnostic needs

- Surveillance
- Reference methods
- Network Supervision

National Reference Level

District & Sub-district Level

Community Level

Levels of the Health System

Number of patients receiving care at each level

Increasing number of patients
GXP will revolutionize TB and MDR-TB patient care and disease control

GXP will also lead to the revision of TB and MDR-TB country diagnostic algorithms being amended under EXPAND-TB

EXPAND TB partners intend to:

- provide about 45 instruments, reagents and technical assistance for 1 year as well as monitor, evaluate and assess the impact in roll-out countries
- target 6 EXPAND-TB countries that:
  - have already signed an MOU and are routinely reporting cases
  - are treating both TB and MDR-TB patients in programmatic management conditions
  - Have support for GXP roll-out by governments & external partners

Proposal is under review and not yet endorsed
THANK YOU