

Facilitator Guide (FG2)

***IMPLEMENTING TB DIAGNOSTICS: PRACTICAL CONSIDERATIONS***

SUMMARYOF MODULE AT A GLANCE

|  |  |  |
| --- | --- | --- |
| **Purpose of module:** | To provide participants with practical considerations for introducing new TB diagnostics in their country. The module will also outline the key steps to be taken in the process of implementing new TB diagnostics | |
| **Total time of module** | 1 hours 45 minutes | |
| **CONTENT OUTLINE** | | |
| **PowerPoint: Implementing TB diagnostics: Practical considerations** | At the end of the module, participants should be able to list the key considerations for implementing new TB diagnostics and list the key steps to be taken when implementing new TB diagnostics.  Learning Objectives:   1. List the key considerations for implementing new TB diagnostics 2. List key steps to be taken when implementing new TB diagnostics 3. Explain why mapping is important when implementing new TB diagnostics 4. Describe the role of the TWG in this process 5. List indicators to monitor implementation | 1 hour 30 minutes |
| **Exercise 1:** | There is no exercise in this module | 0 minutes |
| **Discussion Questions** | 1. List five key considerations when implementing a new TB diagnostic test? 2. Why is mapping the diagnostic network important? 3. What are the roles of the TWG when implementing a new TB diagnostic test? 4. List three types of indicators that should be monitored when implementing a new TB diagnostic test, and give an example of each? | 15 minutes |
| **Additional resources or references:** | WHO. Framework of indicators and targets for laboratory strengthening under the END TB Strategy. 2016. Available at [http://www.who.int/tb/ publications/labindicators](http://www.who.int/tb/%20publications/labindicators) |  |

Module notes

**Slide 4** Introduce the participants to the practical considerations for introducing new TB diagnostics in their country. The ten considerations are discussed in detail in the subsequent slides. Emphasize that collaboration & coordination activities are required when establishing all the components required to introduce a new TB diagnostic

**Slide 22-28** Describes the key steps to be taken in the process of implementing new TB diagnostics. The steps are considered in three phases: planning, implementing & monitoring

MODULE ANSWERS

1. **List five key considerations when implementing a new TB diagnostic test?**

Any five of the following:

* 1. National policy review and revision
  2. Diagnostic network
  3. Infrastructure
  4. Personnel
  5. Treatment capacity
  6. Quality assurance
  7. Procurement
  8. Monitoring implementation
  9. Connectivity
  10. Financing
  11. Collaboration and coordination

1. **Why is mapping the diagnostic network important?**
   1. Determine optimal placement of TB diagnostics to improve access and impact
   2. Determine the best national testing algorithm for your country
   3. Understand your current referral network
   4. Design a functional referral network
   5. Crucial for logistics planning and optimization to gain cost efficiencies
   6. Scenario-planning to understand costs/inputs without spending the associated time/money
   7. Plan for integration of different vertical disease programs
2. **What are the roles of the TWG when implementing a new TB diagnostic test?**
   1. TWG can provide recommendations on potential role of new tests and placement within network, as well as possible algorithms
   2. TWG is able to determine need for country evaluation data prior to uptake of new technologies
3. **List three types of indicators that should be monitored when implementing a new TB diagnostic test, and give an example of each?**
   1. Process indicators: how many health facilities had access to Xpert MTB/RIF testing services this year?
   2. Outcome indicators: how many patients diagnosed with Xpert MTB/RIF were initiated on treatment during this quarter?
   3. Impact indicator: Did implementation of Xpert MTB/RIF result in a reduction in TB-associated mortality in HIV co-infected individuals?