

WHO NTD Diagnostics Technical Advisory Group

A workshop with Neglected Tropical Diseases (NTD) Diagnostics manufacturers, 5-6 December 2024 Dr Daniel Argaw Dagne

Hybrid Joint Meetin







WHO Policy Strategy Framework

- WHO's road map establishes the strategies and targets/goals across the NTD (20)portfolio
- Defines critical actions needed to achieve targets
- Calls for new approaches to accelerate progress, enhance cross-cutting efforts and build country ownership









Gap Assessment for NTD Programmes

- Status of NTD programs assessed across multiple technical and programmatic dimensions
- Four interrelated priority dimensions identified:

1. Diagnostics

- 2. Monitoring and evaluation
- 3. Access and logistics
- 4. Advocacy and funding

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Technical	Scientific understanding				
	Diagnostics				
	Effective interventions				
Strategy and service delivery	Operational and normative guidance				
	Planning, governance and programme management				
	Monitoring and evaluation				
	Access and logistics				
	Health care infrastructure and workforce				
Enablers	Advocacy and funding				
	Collaboration and multisectoral action				
	Capacity and awareness building				
		Eradication	Elimination (interruption of transmission)	Elimination as a public health problem	Control
		No hindrance t	owards target	Critical action r	equired to reach target





NTD Diagnostic tests Challenges

- Our current diagnostic tools are not sufficient to meet WHO's ambitious roadmap targets, in terms of:
 - Performance
 - Quality
 - Access
- We are using 19th century tools to guide 21st century programs











Engineering Solutions

•WHO organized the DTAG in 2019 to develop a coordinated response to address diagnostic challenges for NTDs

- Made up of global experts
- Organized around subgroups focused on disease-specific and cross cutting themes through a hub and spokes model

•The goal: to foster end-to-end solutions









NTD DTAG and subgroups roles

DTAG

Disease, Use-Case or category specific Subgroups

Defines priority diagnostic gaps, coordinate development of a TPP for each priority use case, position/policy statement, strategy, access

Establishes ad hoc use-case, disease or category specific sub-groups to deliver on a clear task, e.g., development of actual use-case and target product characteristics. **Purpose**: develop draft TPPs for priority use-cases within their focus area (a specific disease or category of use case)

Approach:

- Develop and consider needed Use-Case against current Diagnostic Capabilities
- Draft TPP that passes through DTAG and a WHO process for formal approval

NTD/DTAG since 2019

- Identified the priority diagnostic needs for all NTDs
- Used an algorithmic approach to identify and prioritize urgent diagnostic needs for TPP development
- Has held 7 meetings since its establishment and development of around 23 TPP
- Initiated the ERPD process for NTD diagnostics in collaboration with PQ



https://apps.who.int/iris/bitstream/handle/10665/331954/9789240003590-eng.pdf?ua=1



NTD DTAG and subgroups





Conclusion: Diagnostics as critical tools for NTD roadmap 2030

The NTD roadmap envisages 3 paradigm shifts

- Diagnostics are critical to address especially two of the three fundamental shifts:
 - Accelerate programmatic action *measuring impact*;
 - Intensify cross-cutting & integrated approaches
- Urgent need to develop accurate, reliable and costeffective diagnostics that are fit for field deployment across all NTDs - different stages of the programmes.
- We need to address access, quality and local capacity are also critical issues for most of the national programmes.

DTAG is playing a critical role to address these issues, flagging the NTD diagnostic agenda high and improve collaboration



