



GLOBAL TASK FORCE ON  
**CHOLERA CONTROL**

## CHOLERA LABORATORY CAPACITY ASSESSMENTS 2024

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# LABORATORY CAPACITY ASSESSMENTS FOR CHOLERA

- Improved laboratory diagnostics and surveillance is essential to reach the first two strategic objectives of the “Ending Cholera A Global Roadmap To 2030”
  - Early detection and quick response to contain outbreaks
  - A targeted multi-sectoral approach to prevent cholera recurrence

## How do we help countries if we don't know where to start?

- Perform laboratory capacity assessments of laboratory surveillance systems in countries
- Identify gaps or needs within the cholera national programs conducting assessments across the network:
  - National
  - Regional
  - Peripheral

# VALUE OF PERFORMING CHOLERA LCA — COUNTRY BENEFITS

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Comprehensive mapping of cholera diagnostic capacity of the nation cholera control program and across the laboratory network

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Identified and prioritized gaps and needs of the network

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Impactful intervention list for the improvement of the network

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Supportive resource mobilization through mapping and active engagement of investors

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# VALUE OF PERFORMING CHOLERA LCA – GTFCC BENEFITS

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Develop an updated mapping of laboratories and stakeholders involved in cholera response in affected countries

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Identification of areas for possible support by the GTFCC

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Contribute to establishing minimum standards for cholera laboratory capacities at the international level and development of international recommendations

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Strengthening of collaboration between GTFCC countries, GTFCC and partners within the cholera laboratory sector.



# LCA PROJECT BACKGROUND

Project reinitiated in 2023, included in the GTFCC LWG workplan (23/24)

## Funding from CDC

- Consultant support
- Develop tools
- Perform laboratory capacity assessments in 4 priority countries (*Bangladesh, Cameroon, DRC, Mozambique*)
- Reporting of assessments

# CURRENT POSITION

Four out of 48 GTFCC countries selected for initial LCA  
2 assessments completed:



DRC – November '23

Cameroon – April '24



# CURRENT CHALLENGES WITH THE COLLECTION TOOLS

## Questionnaire



- ☐ Hard to use
- ☐ Hard to score
- ☐ Time consuming
- ☐ Mixed qualitative and quantitative capture

## Reporting



- ☐ Long time to receive results
- ☐ Difficult to know what to priorities
- ☐ Difficult to make recommendations at national level

# DEVELOPING A PACKAGE OF ASSESSMENT TOOLS

## NCP tools

- Instructions, printable versions, example schedules
- Situational analysis
- Prioritization guides

## Laboratory tools

- 1 assessment for all levels
- Instructions, pre-assessment
- Lab reports

## Reporting tools

- Aggregation of data
- Formats and report examples



# IMPROVING THE LABORATORY QUESTIONNAIRE

1 checklist for all laboratory levels\*

Aligned to other tools used for laboratory assessment

- ASLM SLPTA 2024 checklist
- AMR Scorecards
- Latest ISO guidelines (15189:2023)

Separation of qualitative and quantitative information for easier collection

Information for assessors to support standardization when at a laboratory

Semi-automated fields to reduce data entry

# UPDATED CHECKLIST — “EFORM”

The eForm groups several worksheets together making data entry easy when at the laboratory and automates reporting functions.





# GLOBAL TASK FORCE ON CHOLERA CONTROL

## GTCC tool for observation of the Cholera laboratory diagnostic system

### INTRODUCTION

1. Welcome, read these instructions and make yourself familiar with the various sheets

### INSTRUCTIONS

You should always open this file from the template .xltx this ensures the formula are present and functioning, failure to do this may result in errors or lesser experience.

If you did not open this file from the .xltx please go to .....GTCC WEBSITE LINK..... And download the original.

### 2. Set the scene - Narrative Tabs

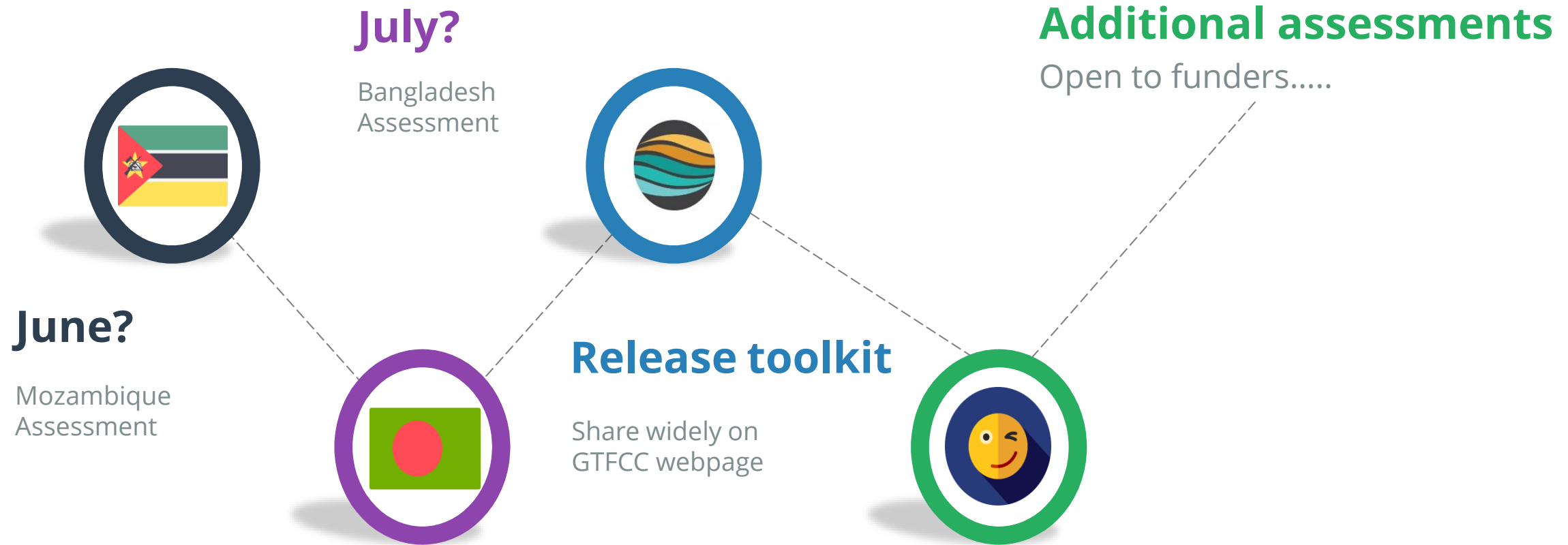
There are three sets of tabs, Narrative (green) and Scoring (yellow) Reporting (Grey).

5				
6	What testing is available at the facility for Cholera			
7	Method type	Available in laboratory	If routine are all reagents available and indate and stored correctly	Accept tests from other facilities (Referred in)
8	Enrichment in Alkaline Peptone Water (APW)	Yes		
9	Rapid Test for Vc O1 with/without O139	Yes		

# OVERVIEW OF EFORM TOOL — VIDEO DESCRIPTION

- ❖ Cover page – Instructions for use
- ❖ General information - All the laboratory information, with some automations to guide what to fill in.
- ❖ Report sheet – will aggregate data into a standard report, same information for each laboratory based on the narrative and scores
- ❖ Equipment – Question answers, Yes, no, na, partial with guides on extra info to fill in
- ❖ HR – Multiple part questions, fill all in and the final score is automated
- ❖ Pre-analytical – automation based on the narrative, so when conducting an audit you know you don't need to ask some things
- ❖ Score sheet – strengths and gaps
- ❖ Recommendations – Automatically based on No and Partial

# THE FUTURE







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THANK YOU