

CLICQ! in Nigeria and Uganda

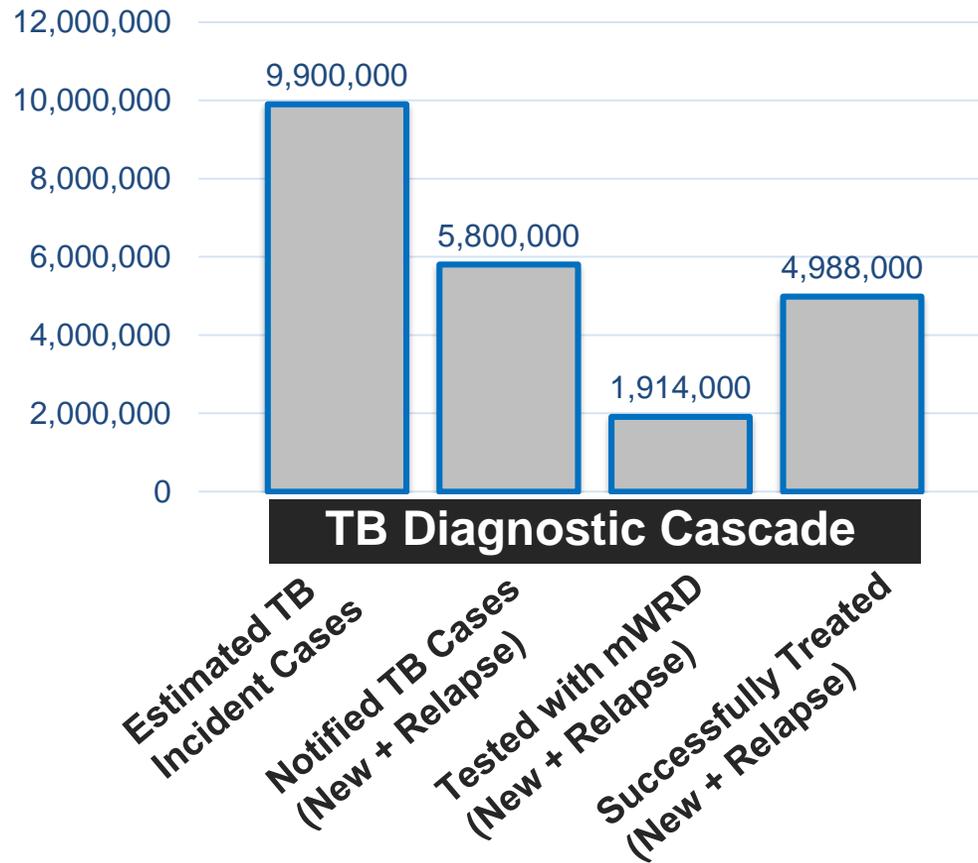
Clinic-Laboratory Interface Continuous Quality Improvement

Lab-CoP ECHO Session
Sept 22, 2022

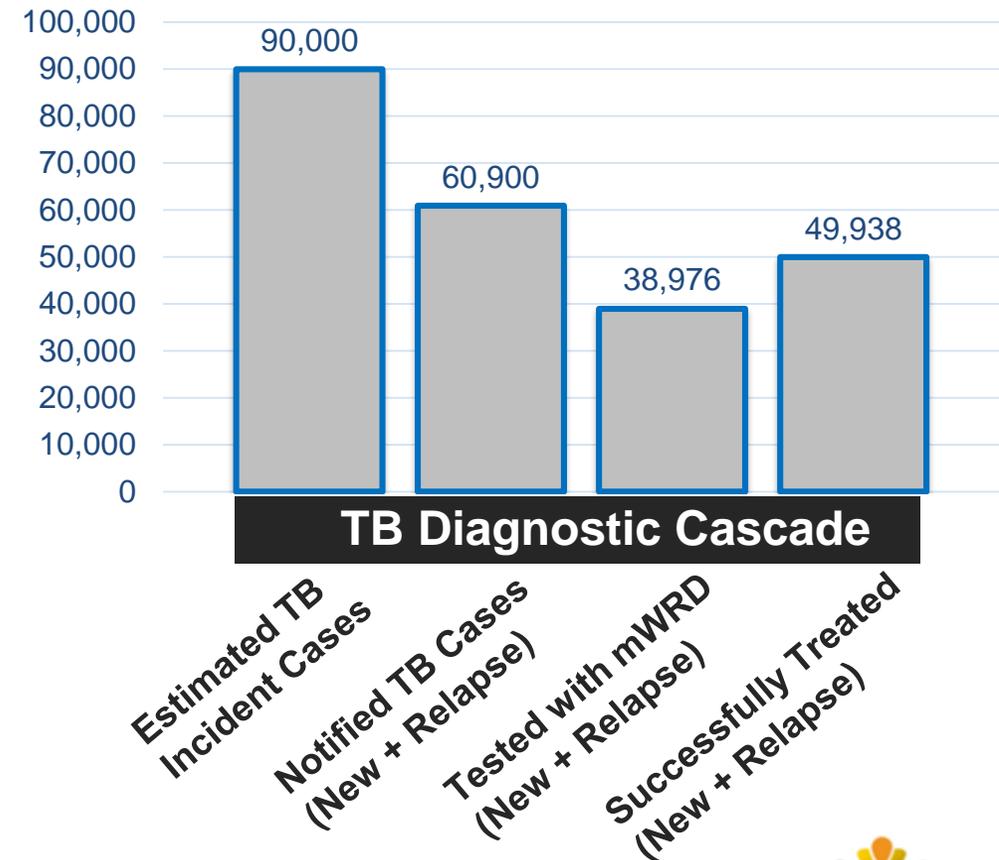
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U.S. Centers for Disease
Control and Prevention (CDC)

WHO 2021 Global TB Report

2020 Global Data

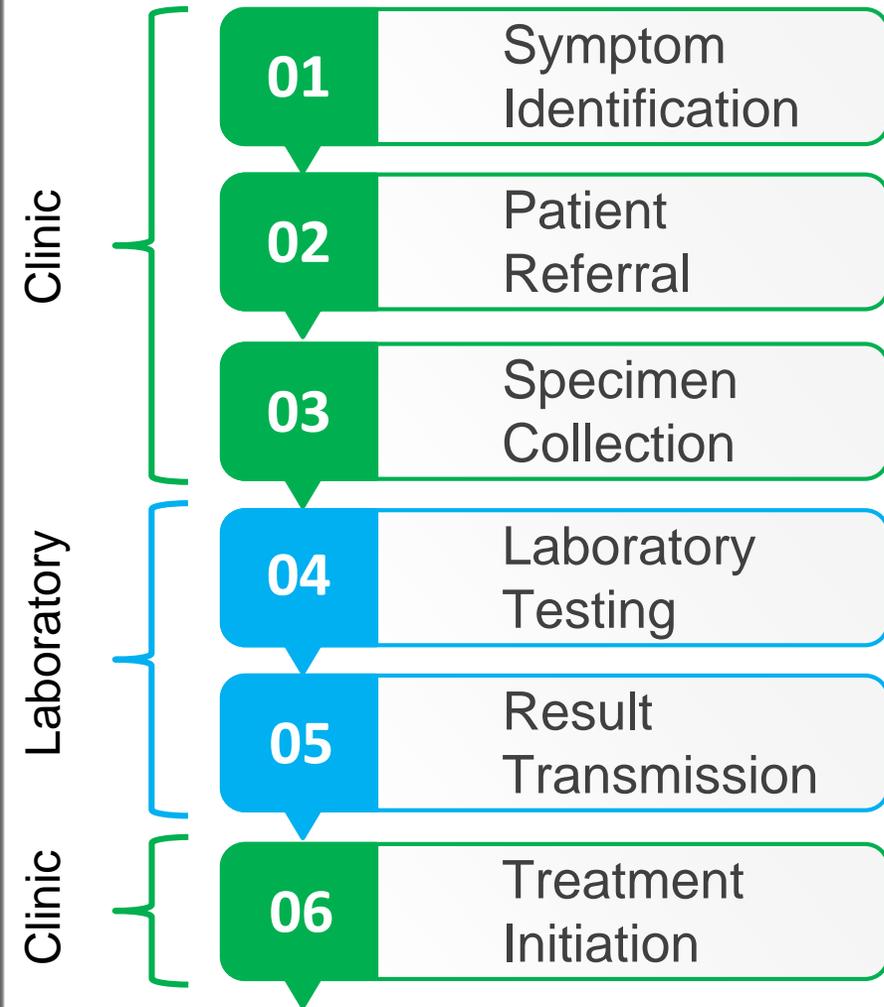


2020 Uganda Data



mWRD: molecular WHO-approved rapid diagnostic test

Purpose of CLICQ!



Objectives

- ✓ Increase patient and specimen retention throughout the TB/HIV diagnostic cascades
- ✓ Increase the number of patients (HIV-pos and HIV-neg) that receive TB laboratory services, diagnosis & TB treatment
- ✓ Reduce turnaround times between steps in the diagnostic cascade

Components of Traditional CLICQ!

1. Customizable Data collection toolkit: **D**iagnostics **C**ascade **E**valuation (**DiCE**)

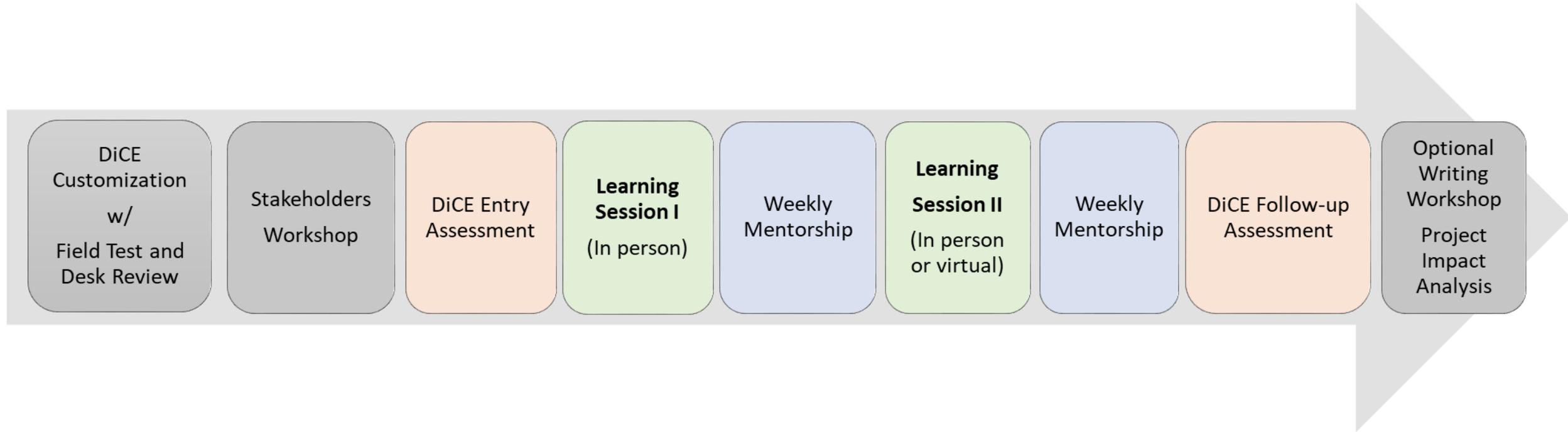
- Collect aggregate and de-identified patient level data from registers at clinics and labs
- Quantify gaps (and strengths) in patient retention and turnaround times within the TB/HIV diagnostic cascade
- DiCE assessments collect retrospective data for pre-CLICQ! (entry) and post-CLICQ! implementation (follow-up) periods
- **Entry** and **follow-up** assessments are compared to determine program impact

2. CQI Program for Patient Retention through the TB/HIV Diagnostic Cascade

- A multi-week, structured mentorship program to guide clinic and lab staff (clinic-lab pairs) through data collection, use, and review
- Conduct *Learning Sessions* and provide mentorship (virtually or through in-person site visits)
- Teach CQI methods to clinic and lab staff for immediate, practical application
- Prioritize gaps and implement site-specific, measurable, improvement projects



CLICQ!: Designed for Rapid, Targeted Cascade Improvement



Patient Pathway Walkthrough

2. Sputum Collection Point

with specimen collected and sent to lab

Ex. data sources: Presumptive TB Register

1. Patient Entry Point(s)

patients presented

screened for TB

with presumptive TB

Ex. Entry points: ART, OPD, TB

Ex. data sources: Presumptive TB Register, TB Screening Register

4. TB Clinic

lab results received

started on TB treatment

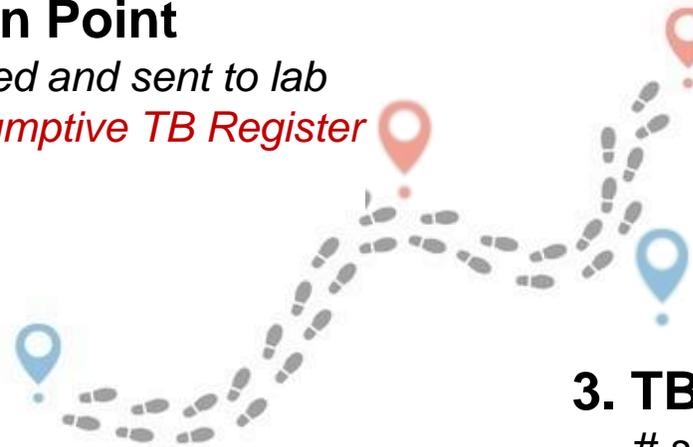
Ex. data source: TB Treatment Register, Presumptive TB Register

3. TB laboratory

specimens received

specimens tested

Ex. data sources: TB Lab Register, Lab Dispatch Register



DiCE Toolkit: Adaptation and Use

PRESUMPTIVE TB REGISTER JOB AID															
Instructions: This is an optional tool to assist in data abstraction at the aggregate level by counting page totals for each field. Each row will represent sums from one page of a register; sections are provided for each time period requested															
*Note: If TB and HIV Clinics have separate presumptive TB registers, record these aggregate numbers separately. Additional tables are provided at the bottom of this sheet.															
Quick links to time periods: March April May															
Register Page #	Total Presumptive TB	Age		Sex		Specimen Number Specimens Collected	Smear Activities		Xpert Activities						
		Age 0-14	Age 15+	Males	Females		AFB (-)	AFB (+)	MTB Not Detected	MTB Detected, RIF Resistance not Detected	MTB Detected, RIF Resistance Detected	MTB Detected, RIF Resistance Indeterminate	Error	Incomplete/ Invalid Result	
1	10	1	9	4	6	7	0	0	7	0	0	0	0	0	0
2	10	2	8	5	5	9	0	0	8	1	0	0	0	0	0
3	9	1	8	1	8	8	0	0	7	1	0	0	0	0	0
4	10	1	9	7	3	8	0	0	5	2	0	0	0	0	0
5	10	1	9	6	4	9	0	0	9	0	0	0	0	0	0
6	10	0	10	5	5	9	0	0	7	2	0	0	0	0	0
7	10	1	9	7	3	9	0	0	6	3	0	0	0	0	0
8	10	1	9	4	6	10	0	0	8	2	0	0	0	0	0
9	10	1	9	5	5	7	0	0	7	0	0	0	0	0	0
10	10	2	8	9	1	7	0	0	5	2	0	0	0	0	0
11	9	0	9	2	7	8	0	0	7	1	0	0	0	0	0
12	6	3	3	1	5	6	0	0	6	0	0	0	0	0	0
13															
14															
15															
16															
17															
18															
19															

Job aid tabs capture necessary steps of the cascade but can be customized to include specific language/appropriate order of the fields in the available data sources for ease of use.

