CLICQ! in Nigeria and Uganda

Clinic-Laboratory Interface Continuous Quality Improvement

Lab-CoP ECHO Session
Sept 22, 2022

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WHO 2021 Global TB Report

**2020 Global Data**

- Estimated TB Incident Cases: 9,900,000
- Notified TB Cases (New + Relapse): 5,800,000
- Tested with mWRD (New + Relapse): 1,914,000
- Successfully Treated (New + Relapse): 4,988,000

**TB Diagnostic Cascade**

**2020 Uganda Data**

- Estimated TB Incident Cases: 90,000
- Notified TB Cases (New + Relapse): 60,900
- Tested with mWRD (New + Relapse): 38,976
- Successfully Treated (New + Relapse): 49,938

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: Diagnostic Cascade Evaluation (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
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

3. TB laboratory
   # specimens received
   # specimens tested
   Ex. data sources: TB Lab Register, Lab Dispatch Register

4. TB Clinic
   # lab results received
   # started on TB treatment
   Ex. data source: TB Treatment Register, Presumptive TB Register
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.