

Implementation of external quality assessment for POC EID in Kenya

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Call the POC site

to rule out clerical

and user related

Ministry of Health; UNICEF; National HIV Reference Lab; EGPAF; CHAI

BACKGROUND

- Early infant HIV diagnosis (EID) in Kenya depends on high expertise centralized molecular testing
 - o that has often led to protracted turn around time
 - o and missed opportunities for timely initiation of HIV infected infants on lifesaving antiretroviral therapy.
- Emergence of molecular point of care tests (POCT) is a promising technological solution to challenges of centralized **EID** testing
- assurance of quality EID POCT results in the field setting remains an important concern for most national HIV programs.
- In 2017, Kenya ministry of health (MOH) introduced **EID POCT to selected** facilities to bridge the unmet EID testing demands as a pilot to assess feasibility of decentralizing EID.

Type of EQAs adopted for EID EQA

Centralized retesting

Proficiency testing

Use of blinded external dardized panels Support from CDC Received sets of 5 blinded panels

One cycle thus far

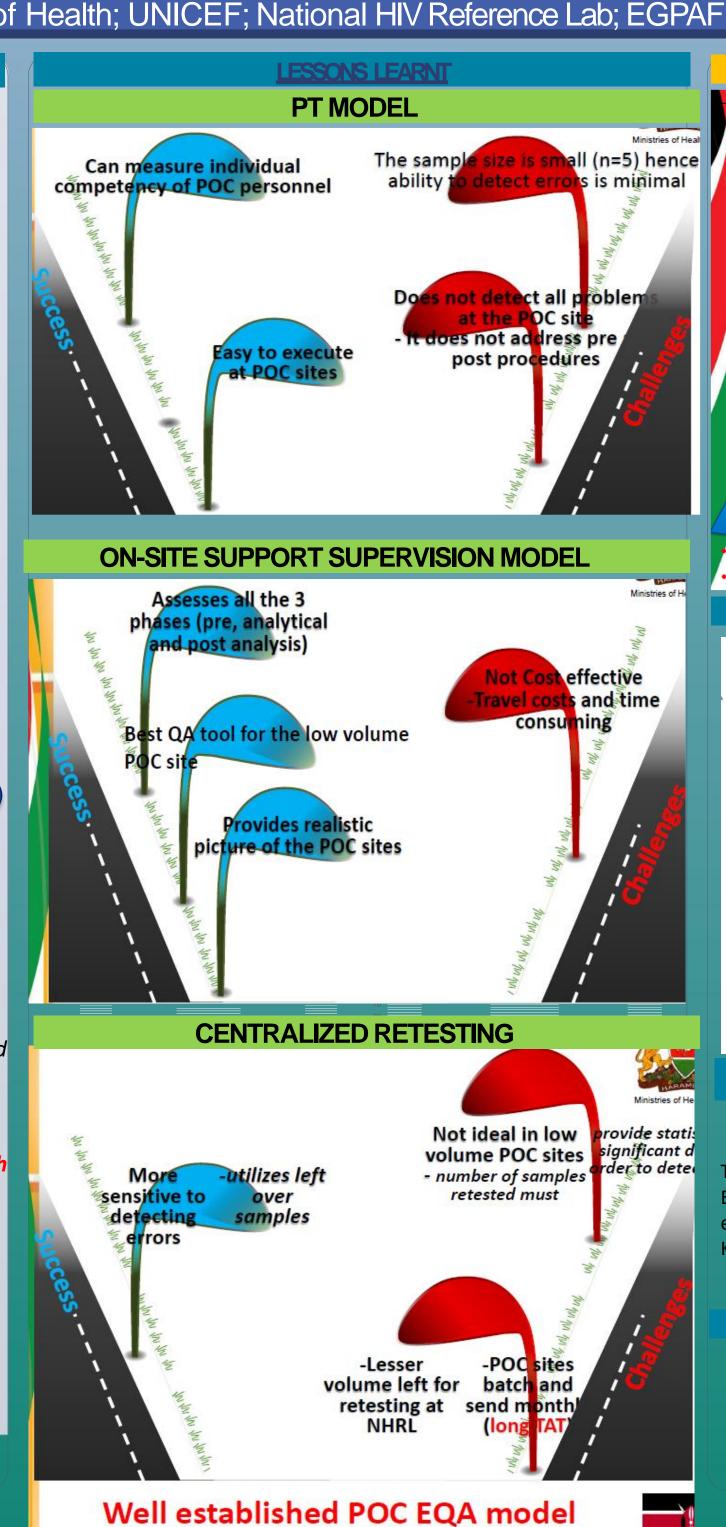
Support from EGPAF Debut supervision conducted within 2 weeks of POC installation and monthly thereafter

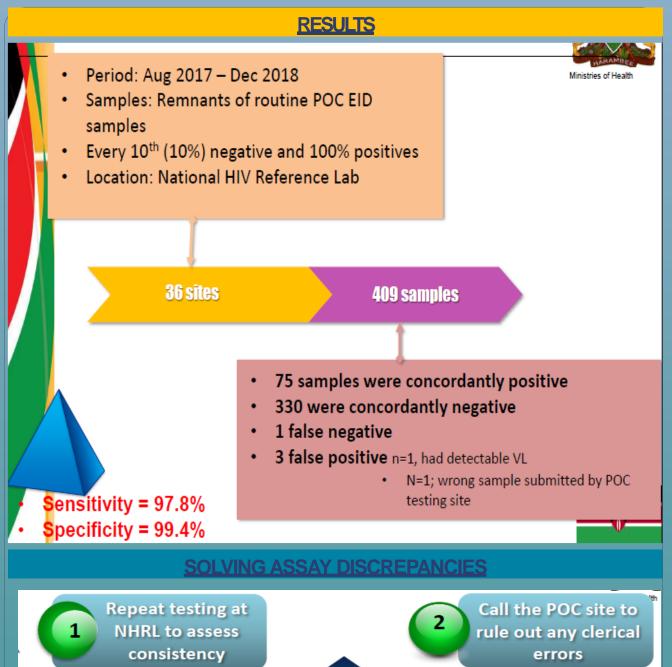
On-site

supervision/mentorship

The hub and 1 spoke in each visit

- Sending a subset of leftover specimen tested from POC sites
- Conducted at NHRL
- Every 10th Negative and all positives





CONCLUSIONS

Request PoC site for

a recollection and

retesting

Causes o

iscrepand

collection ART experienced

sample input

and at the Reference Lab

There was good concordance between POCT and conventional EID platform. Centralized retesting is a low cost, scalable viable option for ensuring quality testing in the early phases of EID POCT implementation in Kenya.

ACKNOWLEDGEMENTS

If consistent, we

Timing of DBS