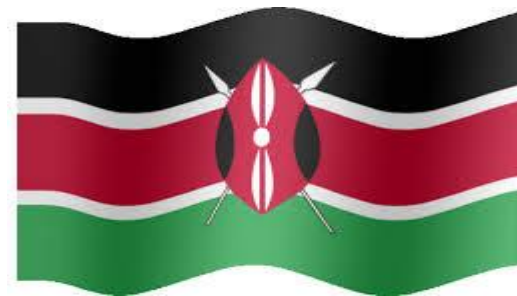


Monitoring the Quality of Rapid HIV Testing Services Using a National Register: Results from the Initial Implementation Phase in Kenya

Junghae M¹, Kitheka F², Mwalili S¹,
Umuro M², Mwangi, J¹

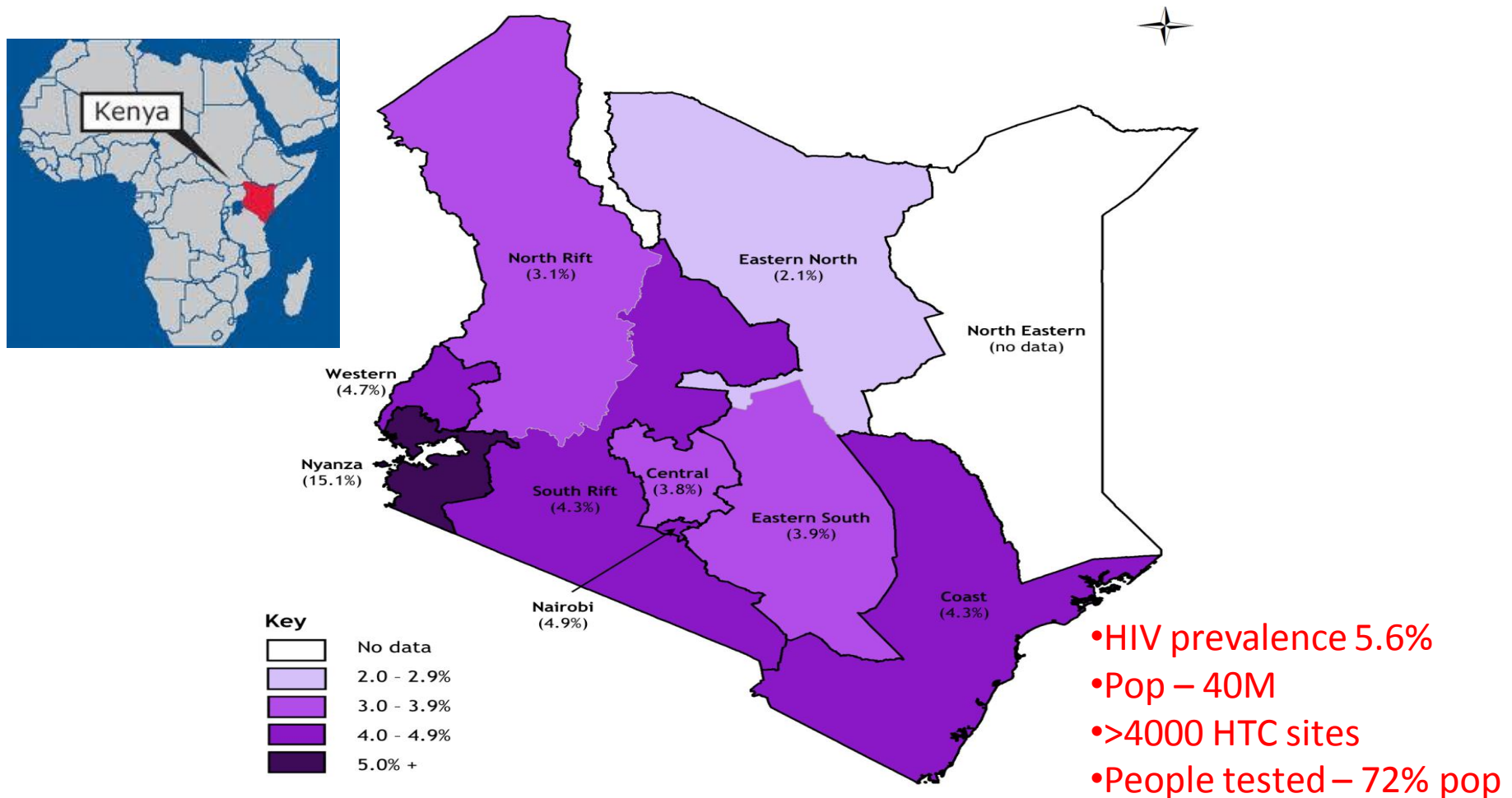
¹: Centers for Disease Control and Prevention, Kenya

² National Public Health Laboratory Services, Kenya



Background

HIV prevalence among persons aged 15-64 years by NASCOP region, KAIS 2012



Background Cont...

- Universal access to HIV testing is a priority for Kenya.
- Several initiatives also advocate for increased awareness of HIV status e.g. eMTCT, 90:90:90
- Rapid HIV tests have been adopted in Kenya in order to meet the increasing demand for testing
- Expansive scale up of HIV testing services

Monitoring Quality of HIV Testing

Kenya has adopted a multi-step approach to monitor and improve quality

1: Use of validated test kits (USAID-CDC validation, In country validation)

2: Testing Algorithm

3: Hands-on training of trainers

4: Certification

5: Use of Local Partners for Scale-Up

6: Standardized Logbook and DTS PT

7: Data collection and analysis

8: Corrective Actions

9: Annual Refresher Training

10: New Kit Lot Verification and Post-market surveillance

Monitoring Quality of HIV Testing cont..

- In 2010, Kenya introduced the use of a standardized logbook for recording HIV testing quality-related data

- Used in non-PMTCT sites

REPUBLIC OF KENYA
MINISTRY OF HEALTH

HIV TESTING AND COUNSELING (HTC)
LAB REGISTER
MOH362

Specific Service Delivery Point (SDP) :	
Facility Name	:
Master Facility List (MFL) Code	:
District Name	:
Province Name	:
County Name	:
Start Date:	End Date:

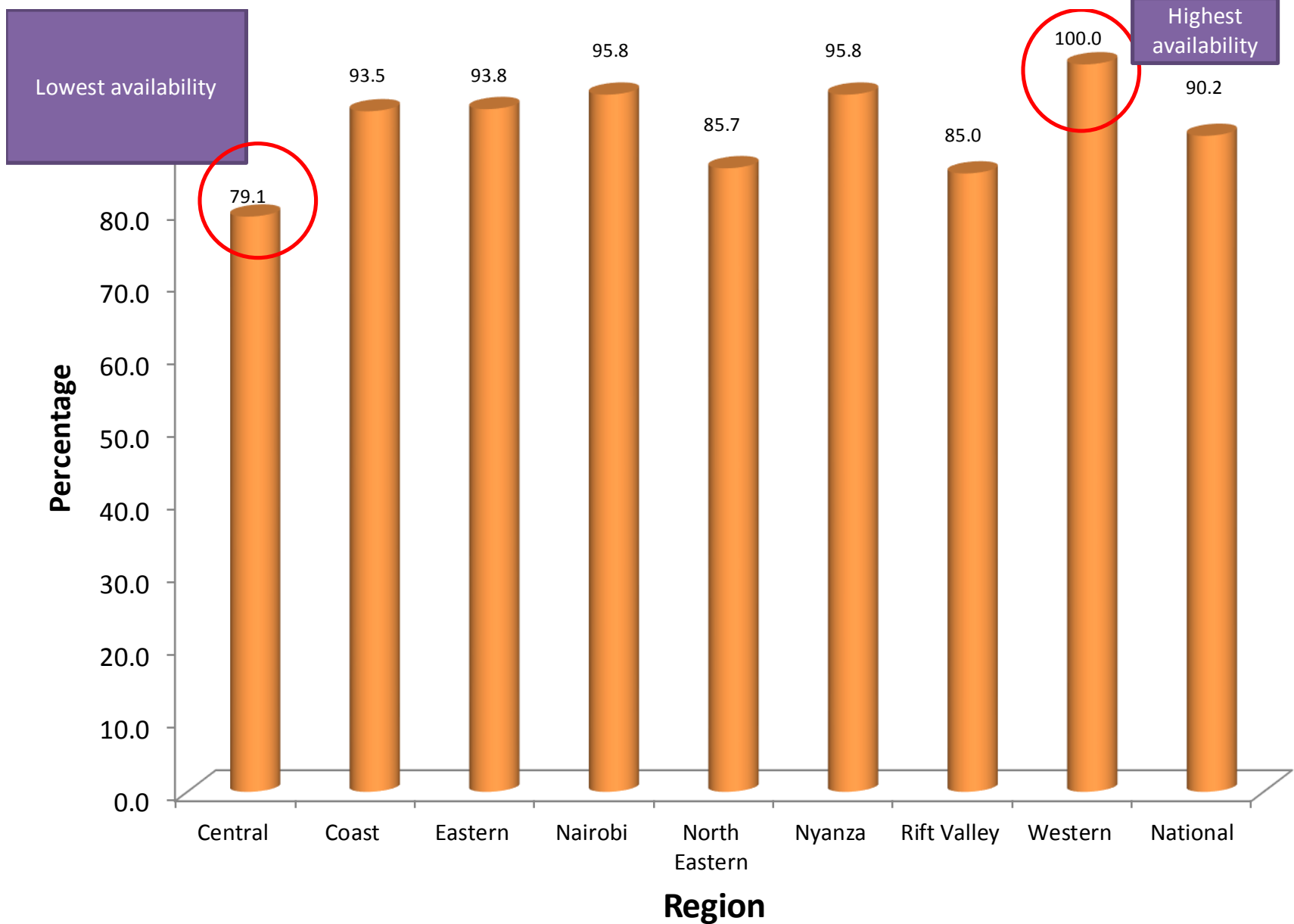
Ver. MARCH 2011

- Captures HIV testing quality indicators which can be used to measure the performance of test kit and service providers
- Routine HTC register data analysis is required in order direct improvement efforts

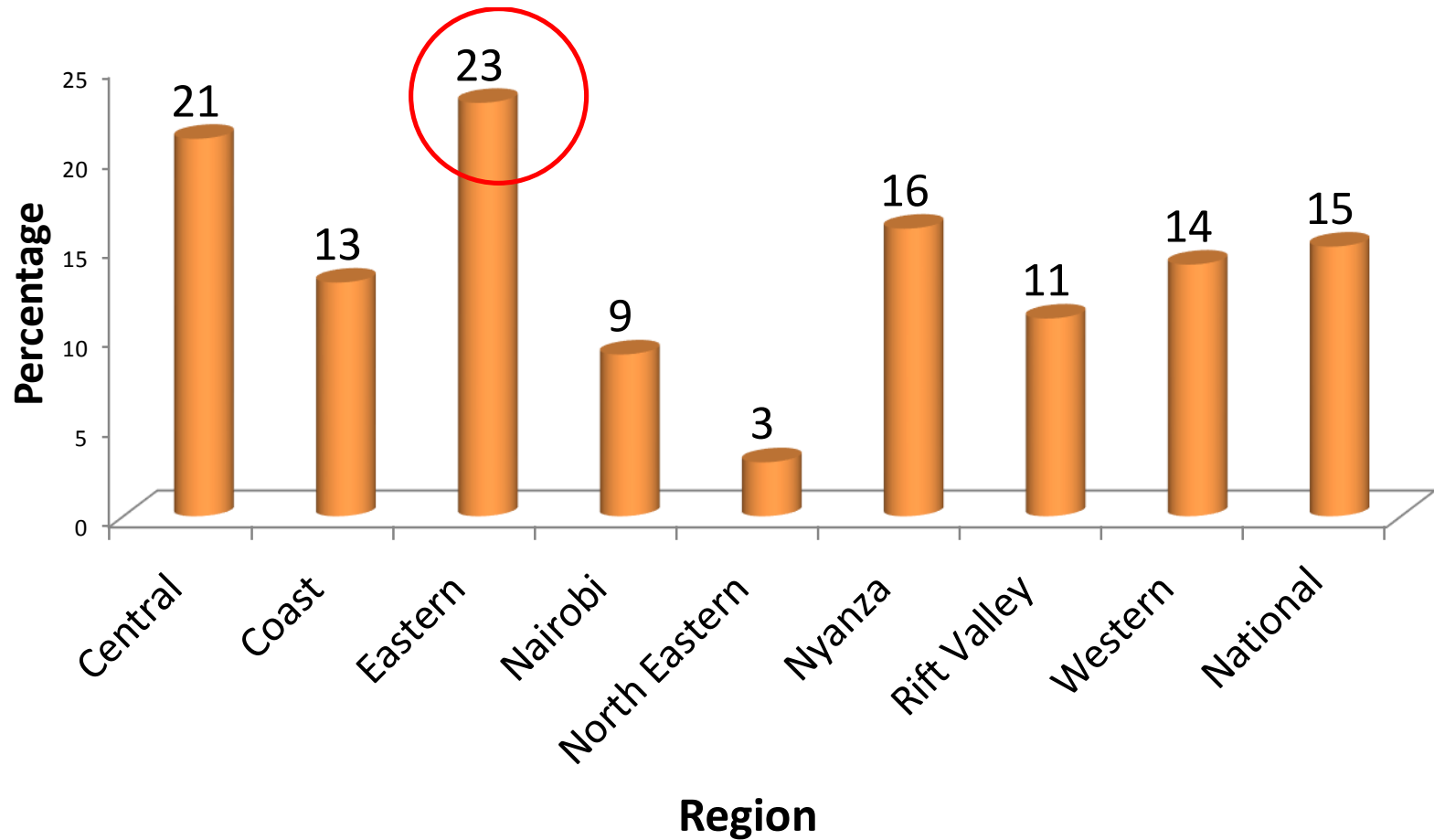
Methodology

- Multi-site evaluation of use of HTC Laboratory Registers as Quality Assurance tool in 356 facilities across the country
- Standardized data collection tool used
- Focusing on key quality indicators related to rapid HIV testing
 - Test kit information
 - HIV testing algorithm
- Data collection conducted by trained data abstractors
- Data abstraction carried out in In August 2012

Results-Use of Logbook

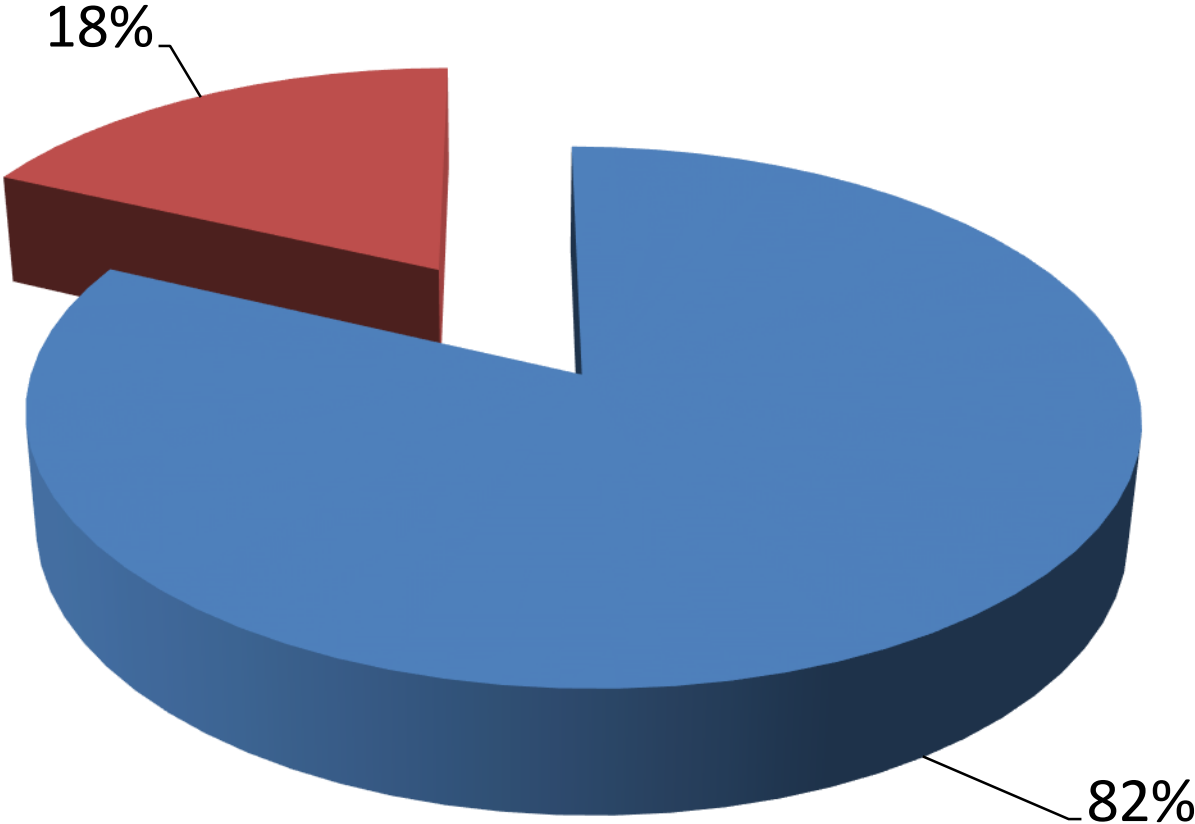


Level of QA data incompleteness- Test kits details

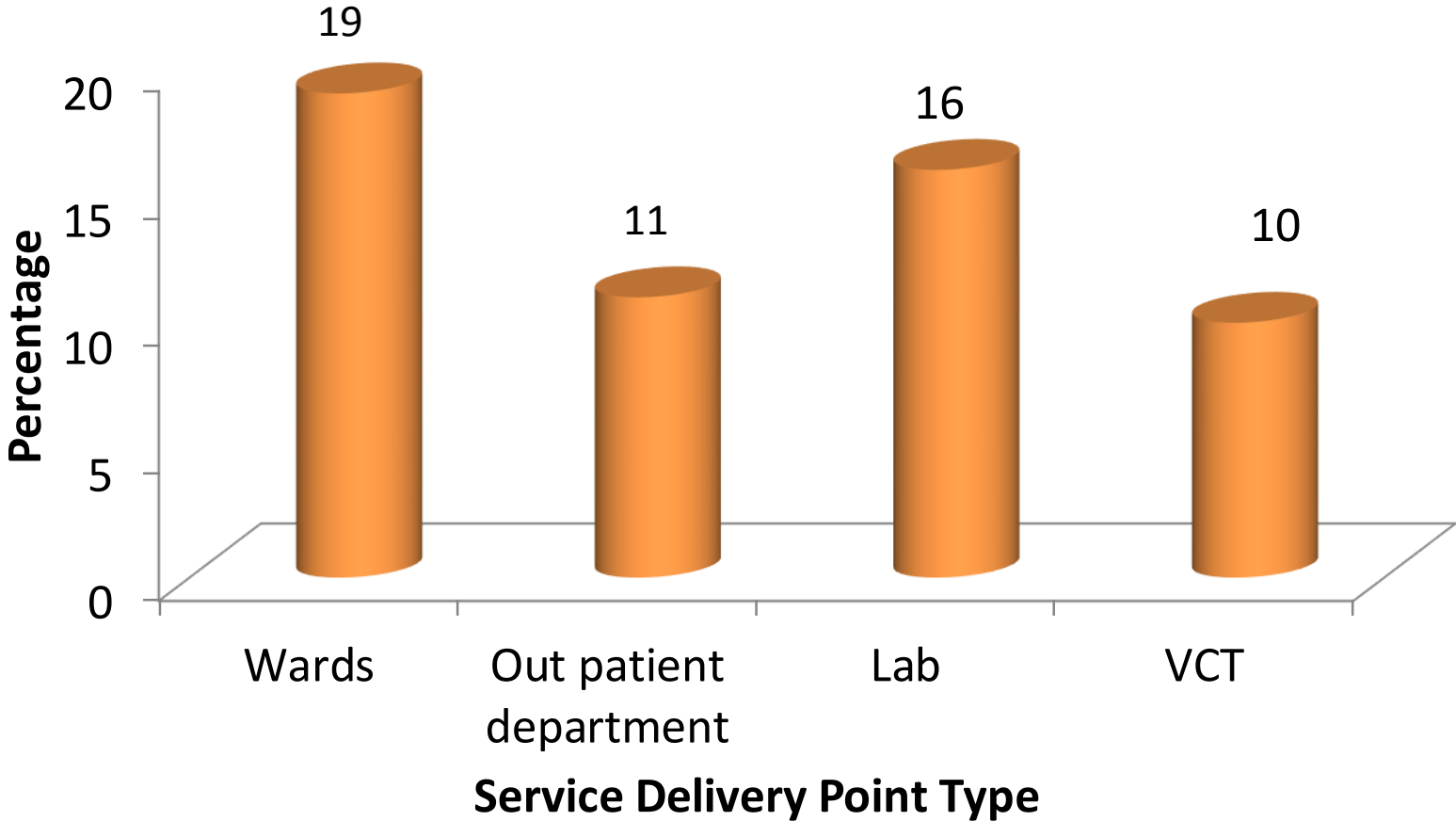


Adherence to Algorithm-all sites

- Adherence to recommended algorithm
- Non-adherence to algorithm

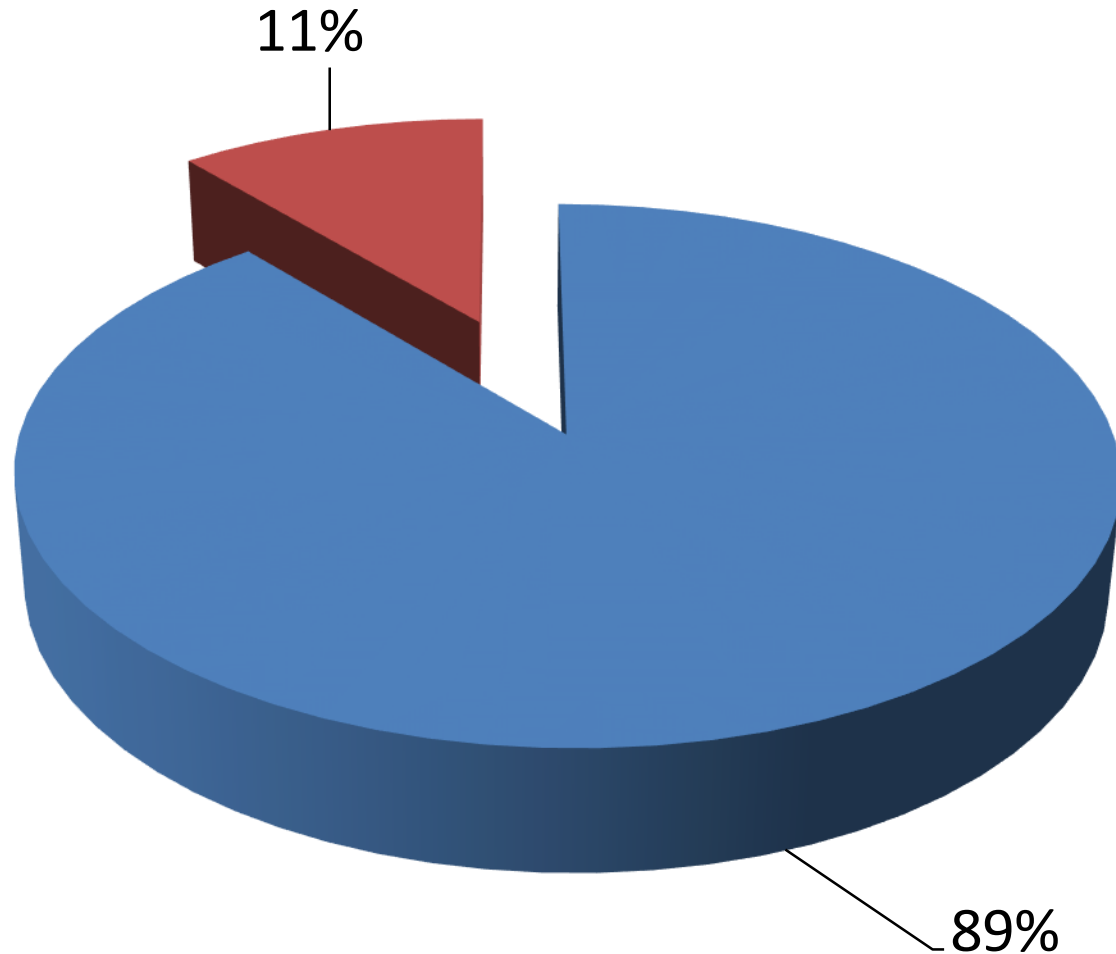


Non adherence to Algorithm-Specific sites



Test 1 and Test 2 Concordance Levels

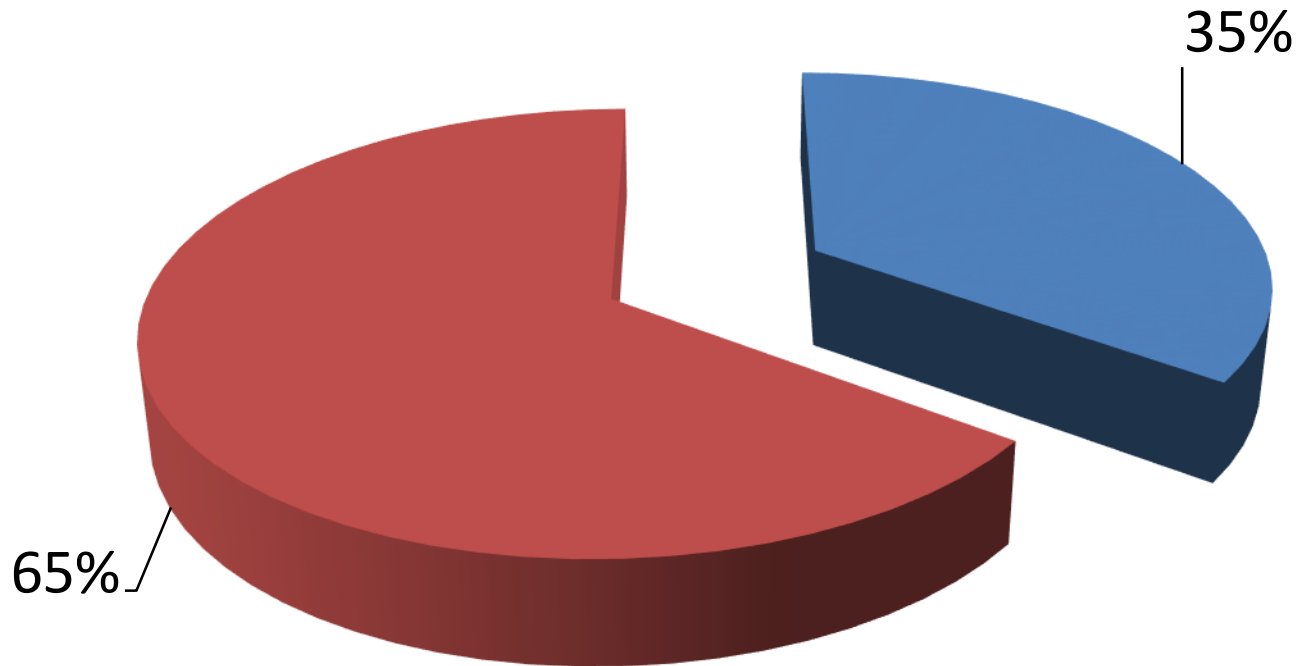
■ Concordance levels ■ Discordance levels



Agreement levels were highest in Outpatient sites (91%) and lowest in wards (82%)

Site Level Supervision

■ Supervision done ■ Supervision not done



- Most supervised SDP – outpatient
- Least supervised SDP – Lab

Conclusion

- The Logbook is an effective and powerful tool for Rapid HIV testing Quality monitoring and improvement if well implemented
- Objective analysis of Logbook data can be useful in directing targeted interventions to ensure provision of quality HIV testing services
- Training all HTC service providers on use of the register , including laboratorians, is necessary or effective utilization of the Logbook as QA tool

Asanteni Sana