



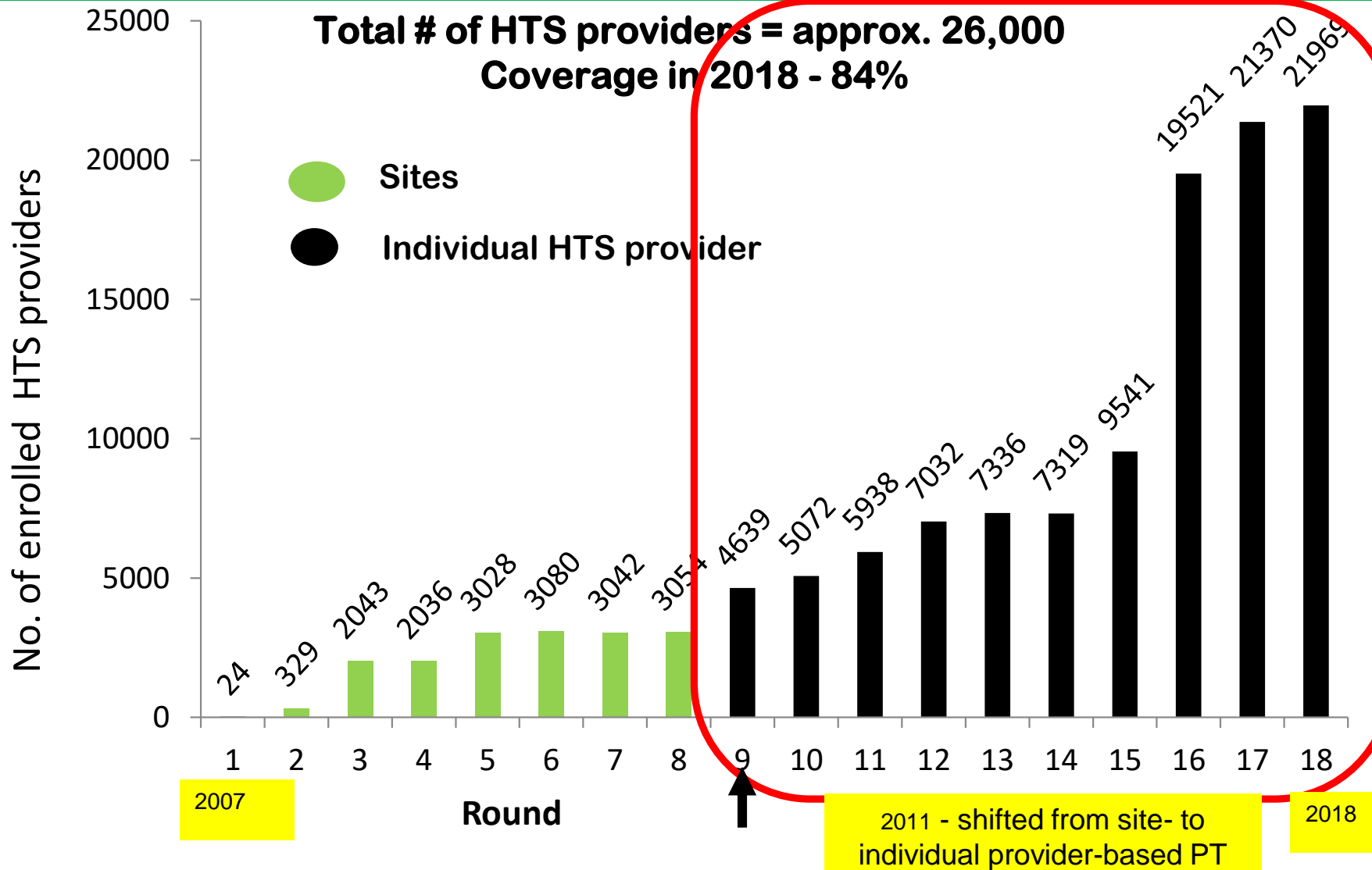
LESSONS LEARNED FROM ESTABLISHING AN EQA PROGRAM – KENYA'S EXPERIENCE

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BACKGROUND

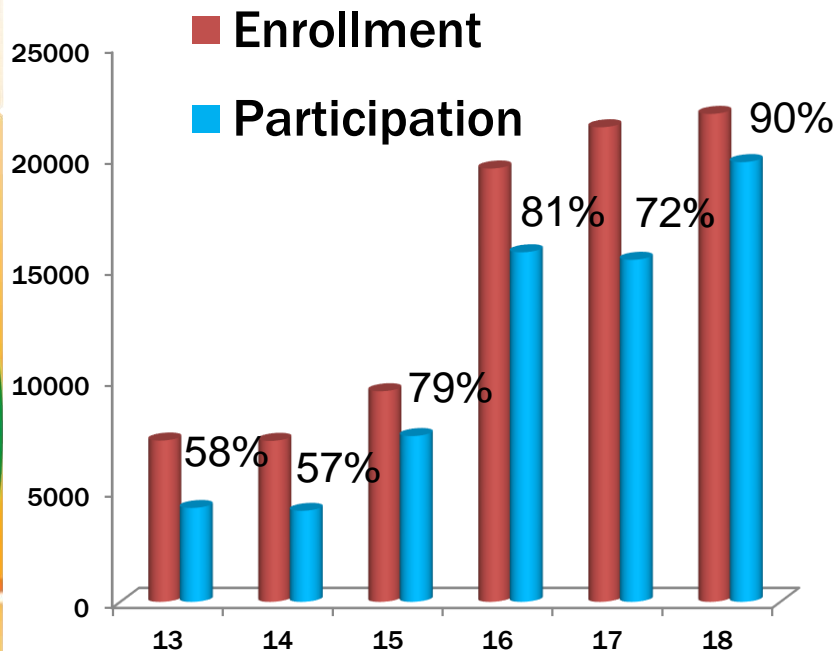
- **Scheme provider: National Public Health Laboratories**
- **Began in 2007 offering 1 cycle per year which increased to 2-3 cycles per year**
- **In 2011, shifted from site- to individual provider-based PT in order to closely monitor quality of testing for every HIV testing service provider**
- **Scope**
 - Rapid HIV testing panels
 - National coverage
 - HTS providers from all testing program areas

SCALED UP ENROLMENT

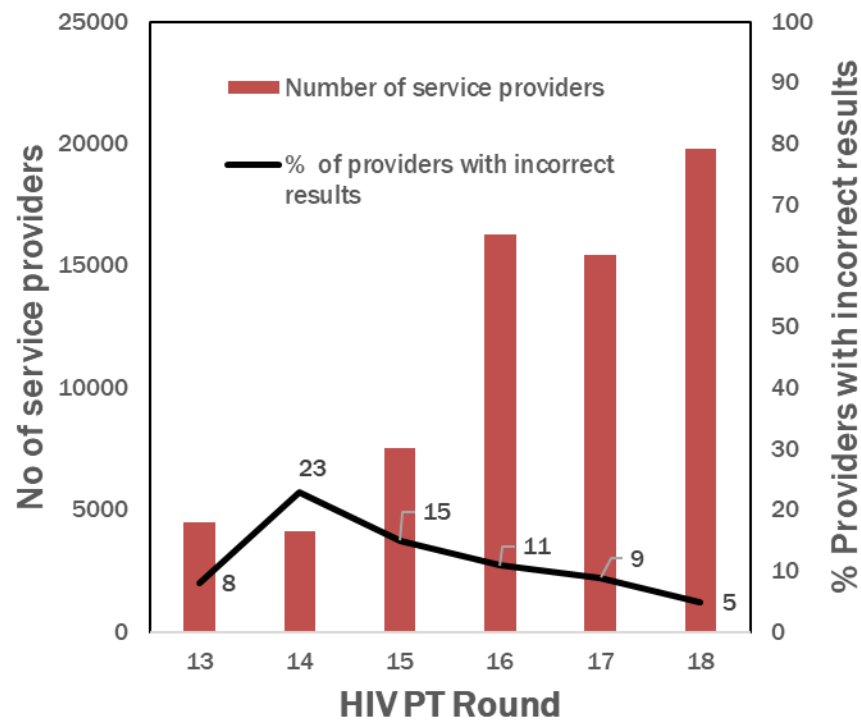


Increased Participation & Performance Improvement

Enrolment vs Participation



Improvement



LESSONS LEARNT

- 1. Policy**
- 2. Scheme Management**
- 3. In-House Panel Production**
- 4. Panel Distribution**
- 5. Data Management**
- 6. Corrective Action**

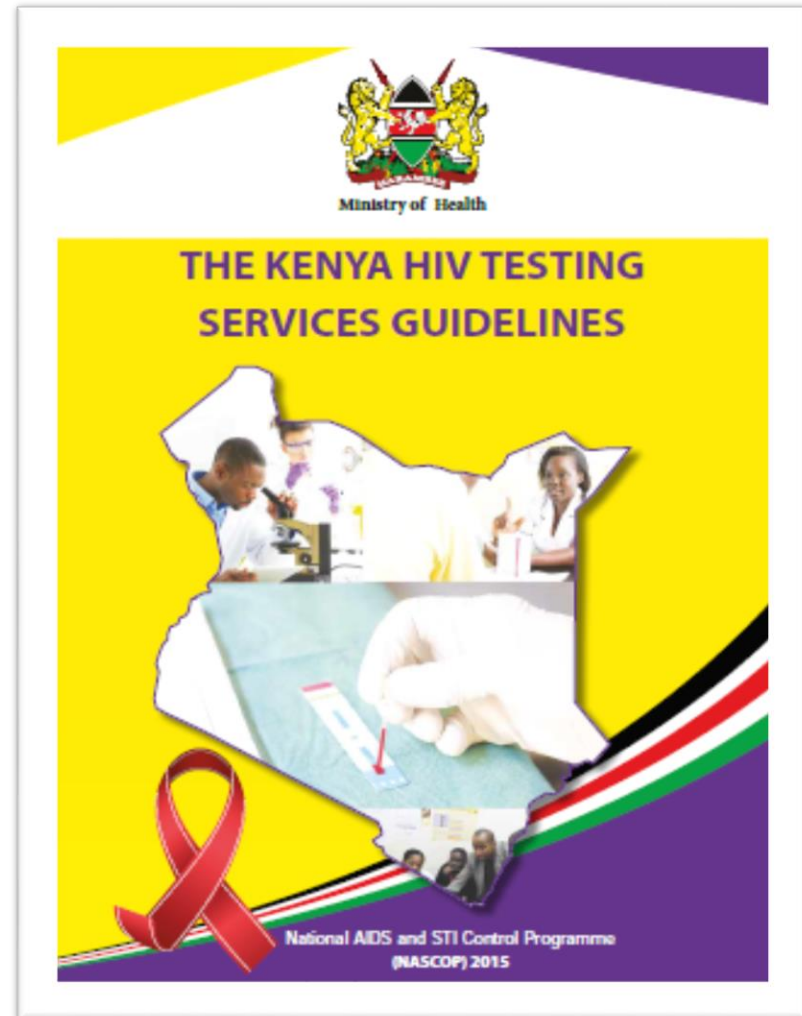
1. POLICY

Challenges:

Sub-optimal enrollment and participation

Solutions:

- Developed policy for EQA participation
- Established national coordination body
- Involved regional program managers



2. SCHEME MANAGEMENT

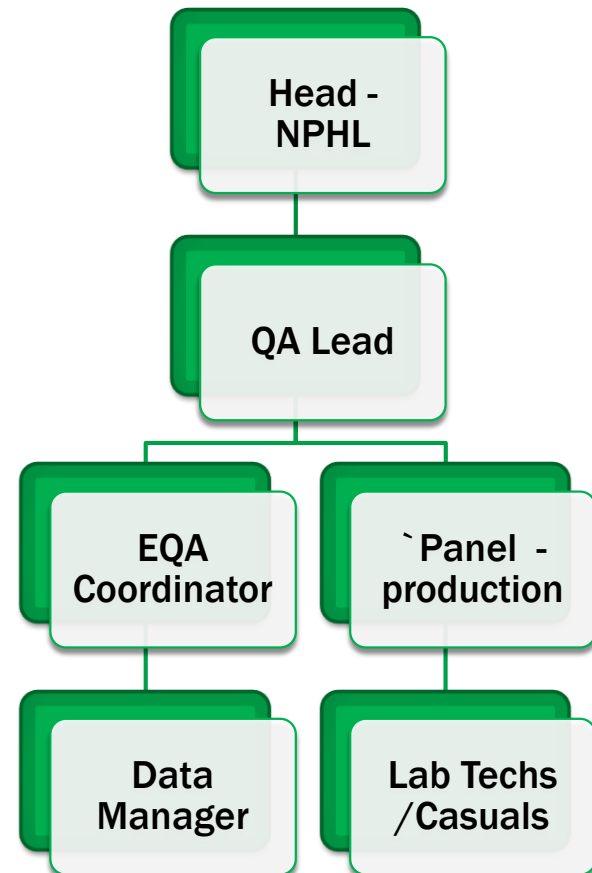
At Initiation

- Managed within the National HIV Reference Lab
- Panel production within routine NHRL tasks

Challenges

- Interference with routine lab operation
- Task dedication

Solution: Streamlined Management



3. IN-HOUSE PANEL PRODUCTION

Challenges: Coping with large scale panel production

- Manual process handling up to 150,000 vials per cycle
- Long panel preparation period



Solutions: Process automation

- Reduced panel preparation period
- Improved homogeneity



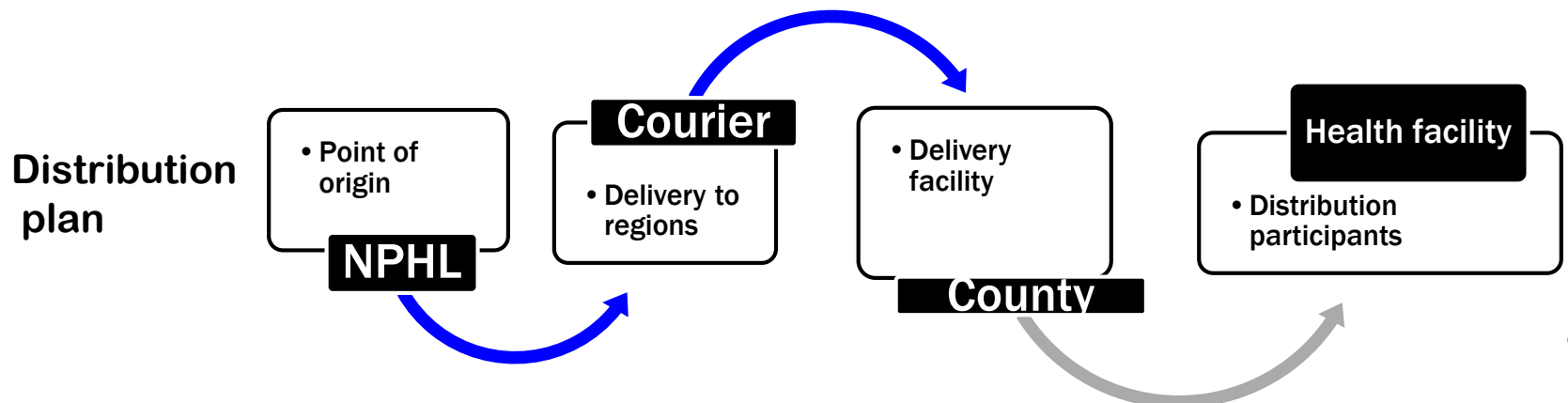
4. PANEL DISTRIBUTION

■ Challenges: Panel distribution issues

- Undelivered panels
- Delayed delivery
- Lack of delivery tracking systems

■ Solutions: Improved panel distribution mechanisms

- Engagement of courier services
- Coordination with regional QA officers on distribution to facility level
- Elaborate tracking system



5. DATA MANAGEMENT

Challenges:

- Management of large data volumes
- Manual processes used
- Long data processing period

Solutions:

- Dedicated data management personnel
- Deployment of technology:
 - ✓ TeleForm - decreased errors in performance evaluation
 - ✓ Web-based technologies
 - Reduced TAT for feedback report
 - Timely corrective action



5. DATA MANAGEMENT

REDUCED TAT

■ Challenges:

Difficulties in timely return of results and provision of performance feedback reports

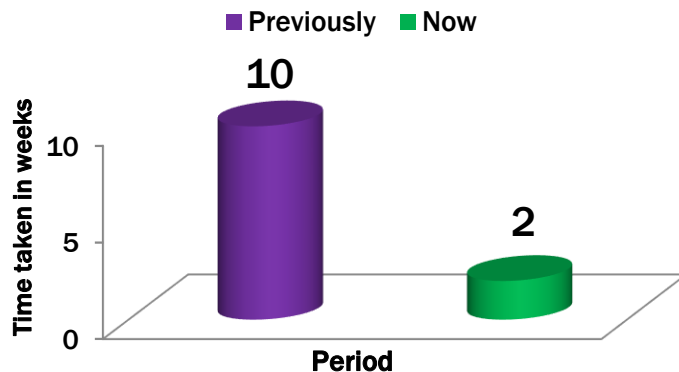
■ Solutions:

Web based results submission & access to feedback reports

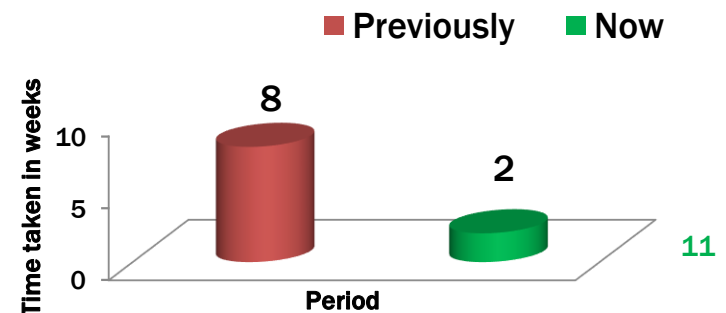
The screenshot shows a web application for 'Kenya Serology Rapid HIV PT'. The interface includes a navigation menu on the left with options like 'DASHBOARD', 'PROFICIENCY TESTING', 'Sample Preparation', 'PT Rounds', 'Lots', 'Panels', 'Shoppers', 'Results', 'QUESTIONNAIRE', 'CONFIG', and 'FACILITY CATALOG'. The main content area displays a table of results with columns for PT Round, Tester ID, Participant, Status, Performance Report, and Action. The table contains five rows of data, all with a 'VERIFIED' status and 'SATISFACTORY' performance reports. Action buttons for 'View Report', 'Disable', and 'Print' are visible for each row.

#	PT Round	Tester ID	Participant	Status	Performance Report	Action
1	18	110656	DENNIS CHITERE M	VERIFIED	SATISFACTORY	View Report Disable Print
2	18	102087	CHINDIA AMANI JOSEPH	VERIFIED	SATISFACTORY	View Report Disable Print
3	18	102211	ONIANO NYANDIKI PHANICE	VERIFIED	SATISFACTORY	View Report Disable Print
4	18	110704	IMMACULATE AMBOHA	VERIFIED	SATISFACTORY	View Report Disable Print
5	18	117989	EMMA AYOMA ACHIENG	VERIFIED	SATISFACTORY	View Report Disable Print

TAT for EQA Results Submission



TAT for EQA Feedback Report



6. CORRECTIVE ACTION

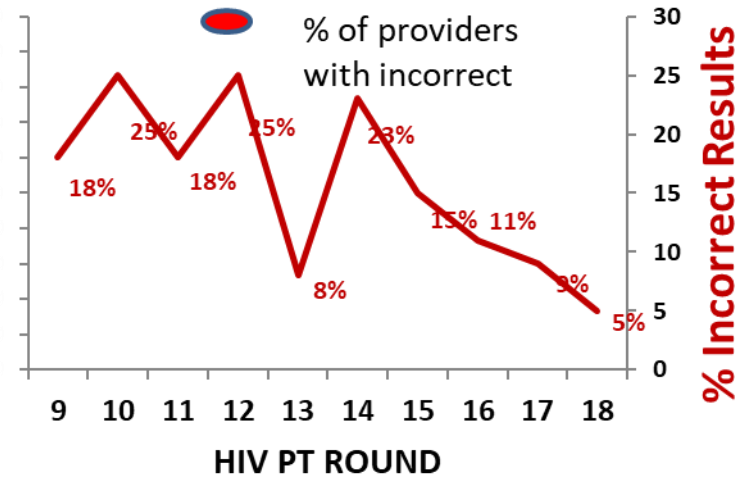
Performance improvement trends

Challenge

Inconsistent corrective action done

Solution

- Targeted corrective action through onsite mentorship
- Refresher trainings
- Training of regional QA officers
- Provision of technical assistance



Onsite mentorship



Refresher training



FUTURE CONSIDERATIONS

- Framework for HTS quality improvement & maintenance
- EQA participation a requirement for recertification of individual service providers
- ISO 17043 accreditation
- South – South collaboration with ZINQAP

The National HTS Quality Management Guidance





Thanks