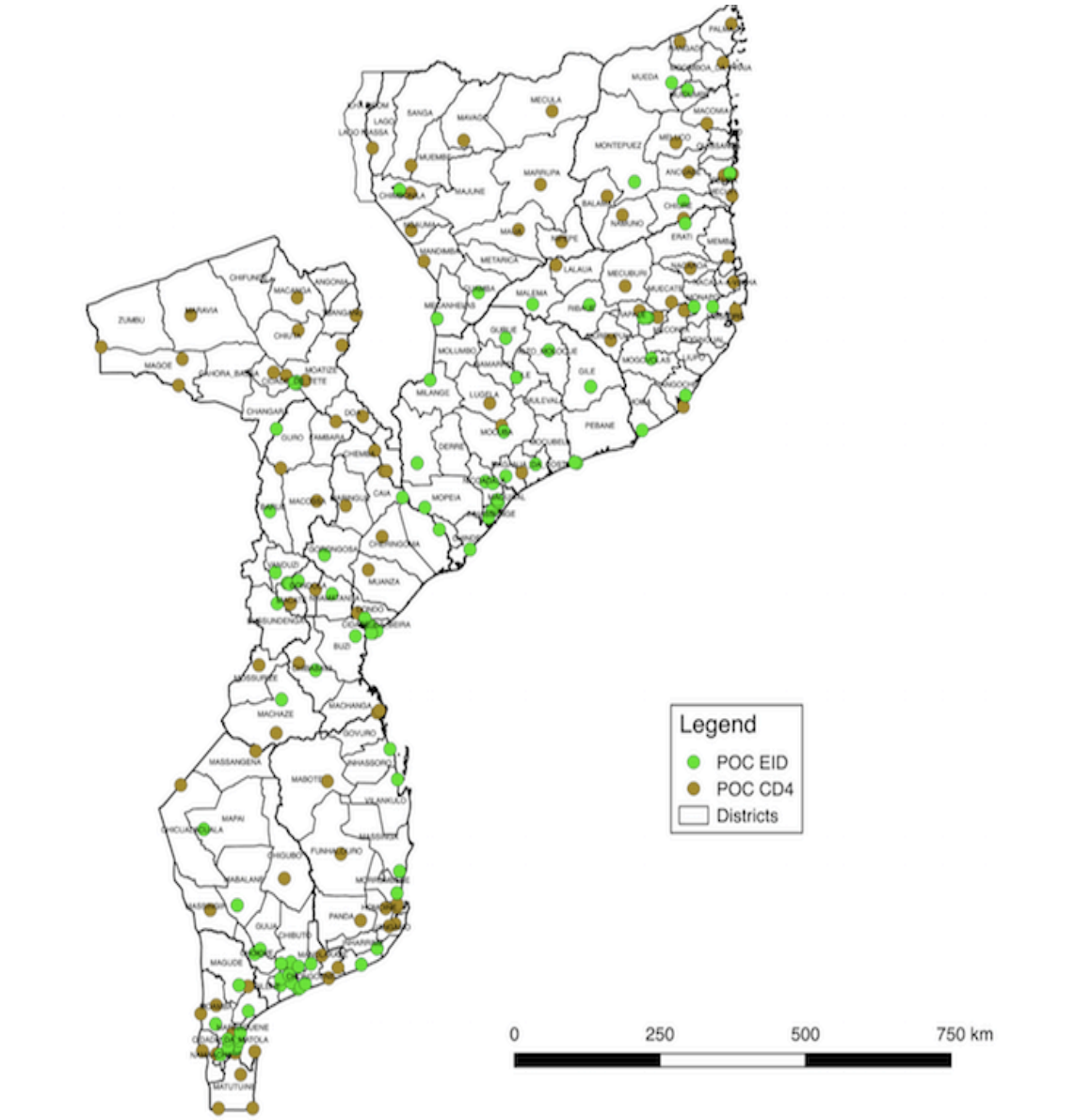
Establishing diagnostic connectivity network for laboratory data flow across POC systems – *Mozambique approach*

Chishamiso Mudenyanga

CHAI Mozambique

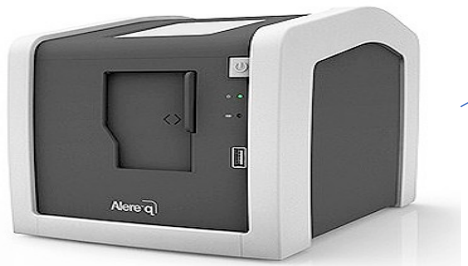
POC Distribution in Mozambique



Flow of Information

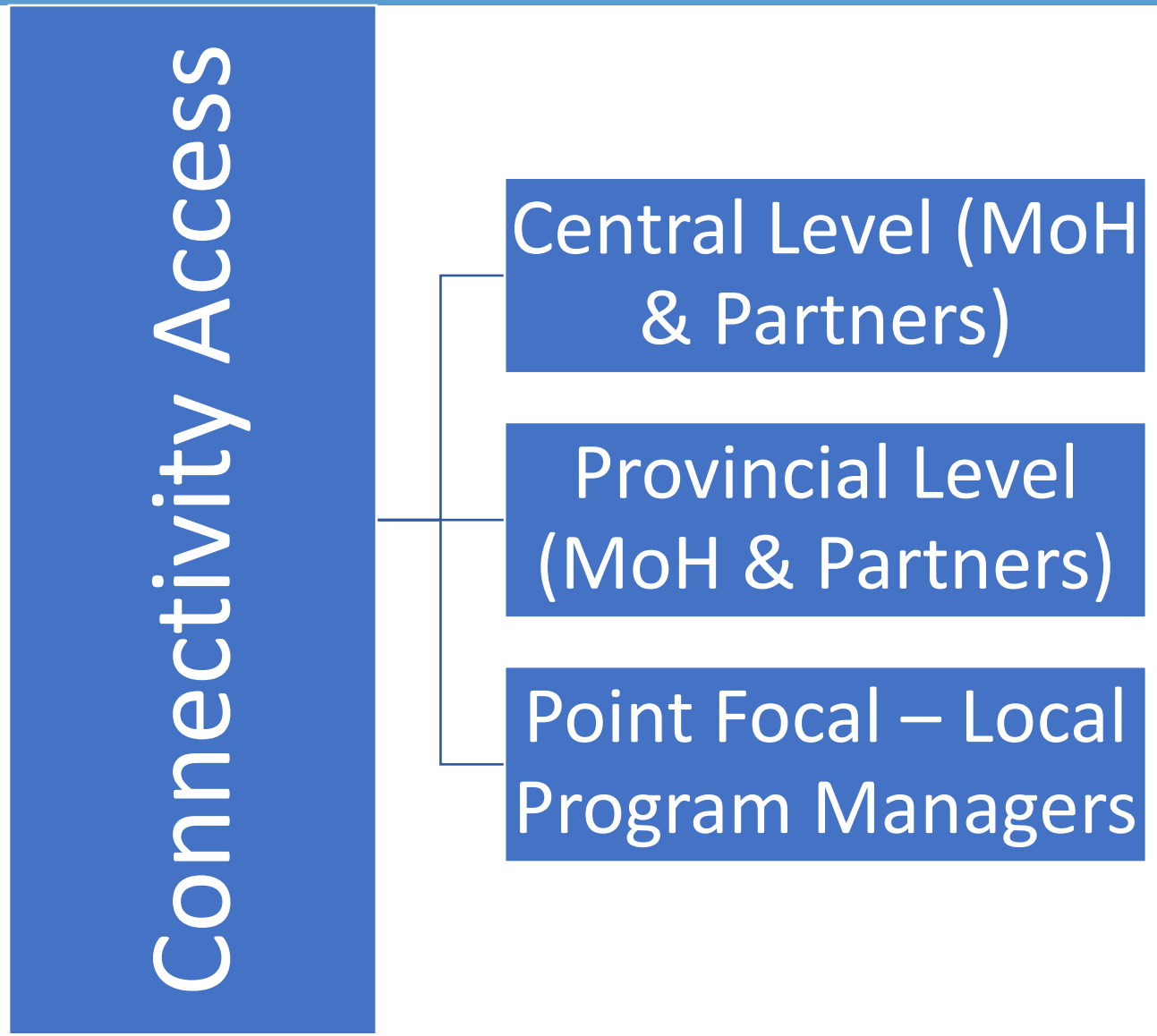
Users' Access

Results transmission to Datapoint via Mobile Network



Health Facility

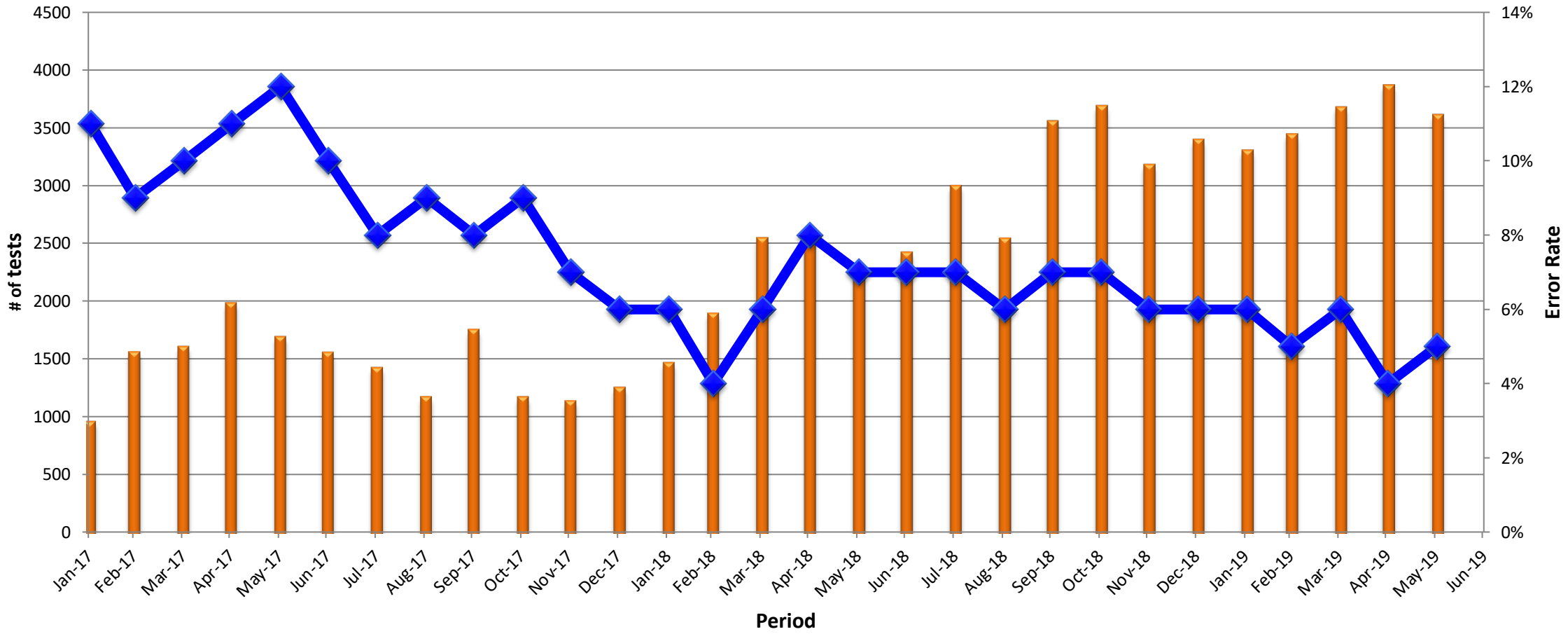
Data utility



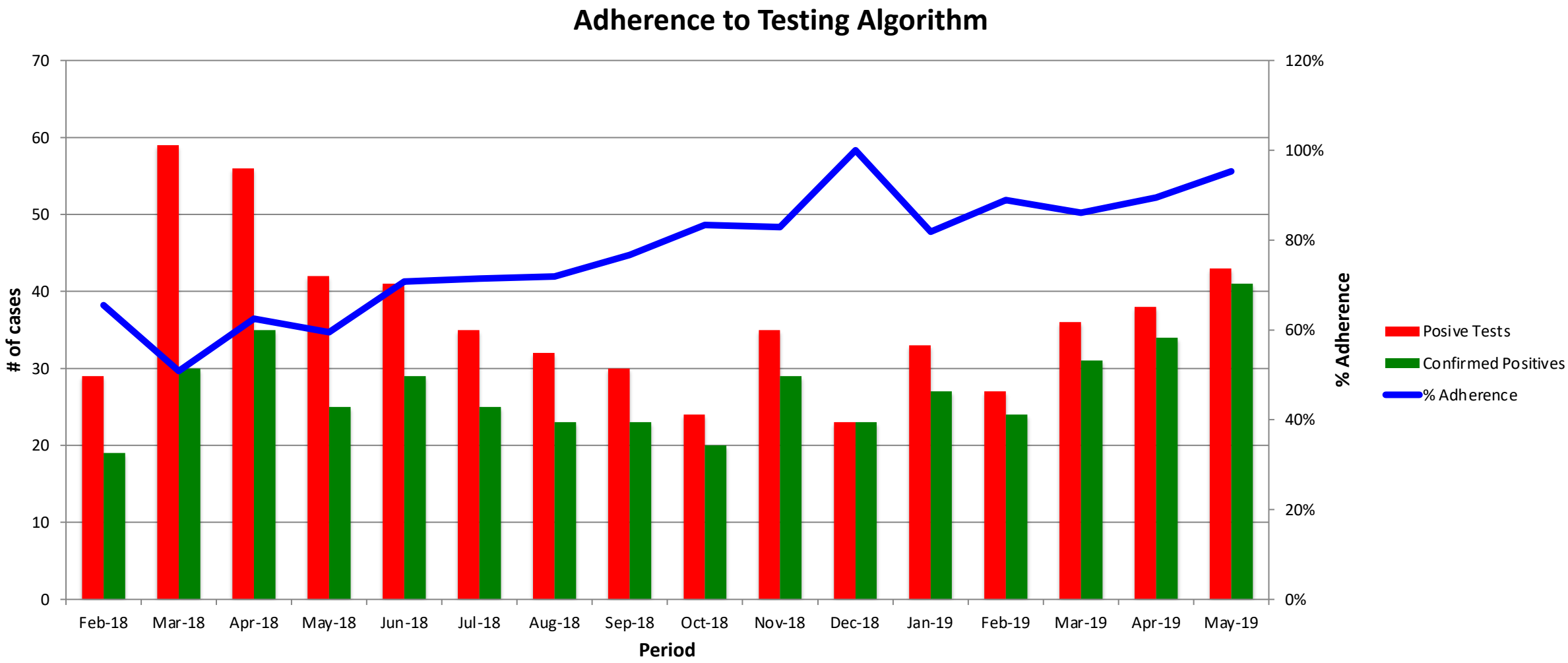
Main Objectives of Monitoring

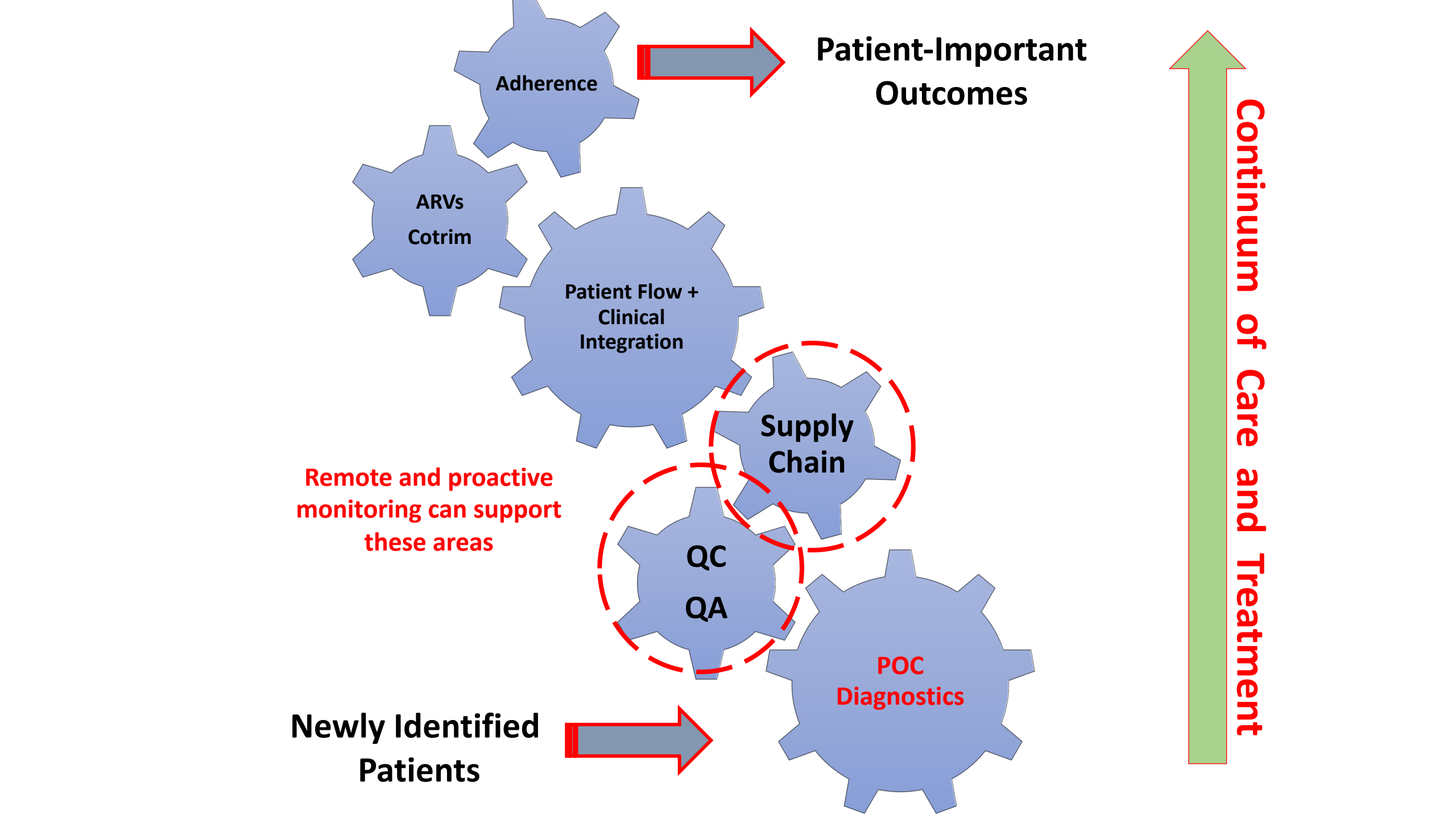
Activity	Objective	Outcomes
Error Rates	Keep error rates controlled	Reduce COPQ
Operators' performance	Identify operator related errors, testing and training gaps	Real time technical assistance, optimize patient flow and schedule refresher trainings
Stock levels and validities	Maintain optimal stock levels	Reduce expiries and stock outs
Instrument location and performance	Identify device location and faulty instruments	Reduce COPQ & reduce testing stoppage
Patient's coding	Monitor coverage of POC EID on alternative entry points	Improved device utilization
Testing algorithm	Monitor adherence to testing algorithm	Strengthen/ Improve adherence to national guidelines
EQA participation	Ensure EQA participation of POC sites	100% EQA participation of POC sites
Patient follow-up	Elimination of missed HIV positive cases	ART initiation of all infected babies
Results submission	Reduce POC sites' downtime	Improvement of data accuracy & monitor connectivity

Connectivity Improves POCEID Performance



Improving Adherence to EID Testing Algorithm




Adherence
ARVs
Cotrim
Patient Flow +
Clinical
Integration
Supply
Chain
QC
QA
POC
Diagnostics
Patient-Important
Outcomes
Remote and proactive
monitoring can support
these areas
Newly Identified
Patients
Continuum of Care and Treatment

Two Core Data Streams

Verification of programmatic data

Reference laboratories database

Paper-based submission captured into National EID Database

Health Facility

Mobile network transmission into POC connectivity portal

Challenges

- Mobile network limitations
- Operators’ work culture
- Staff rotations
- Management use of connectivity

Sustainability

- Manufacturer’s responsibility over connectivity – 100% costs coverage
- Partners engagement
- Local representative of Manufacturer

Para iniciar um teste, insira um novo cartucho e feche a porta.
Alere q
NetCommWireless

Thank you

Acknowledgements