

SEAD

HEALTH STRATEGY INSIGHT IMPLEMENTATION

“RTCQI+”

Rapid Testing Quality Improvement

TA meets

Digital Transformation



Acknowledgements - SEAD leadership



Acknowledgements - funders

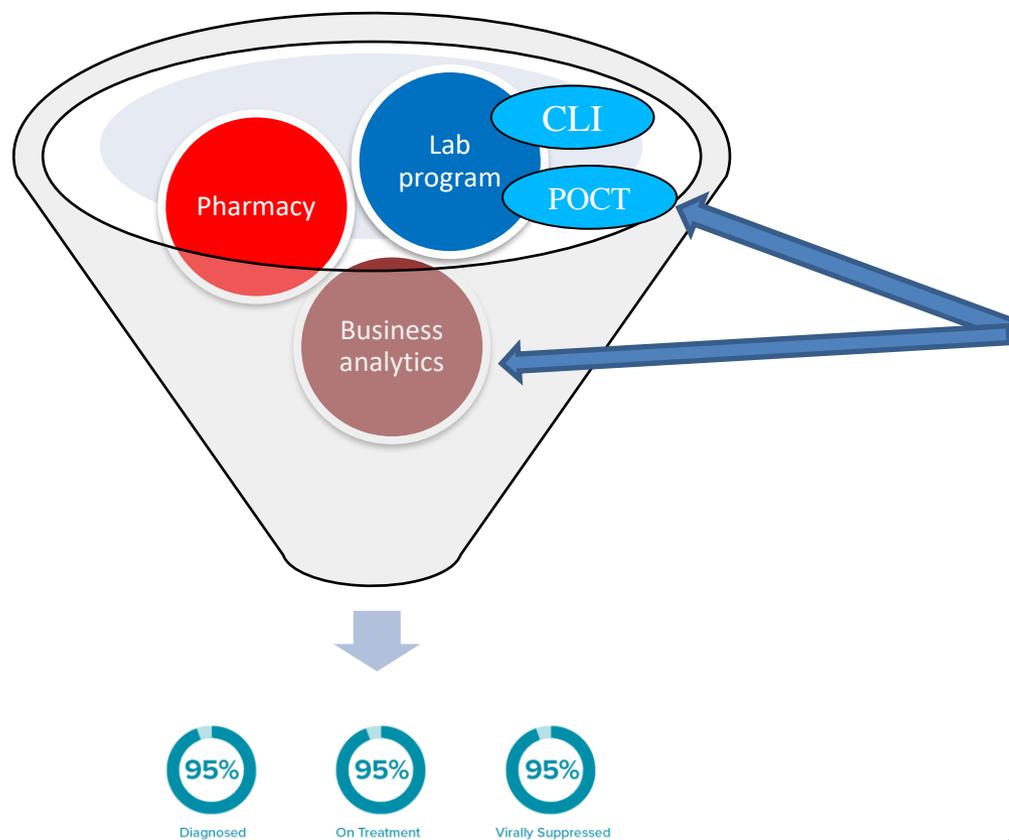


Portions of this work has been supported by the President's Emergency Plan for AIDS Relief (PEPFAR) through the Centers for Disease Control and Prevention (CDC) under the terms of multiple grants. The findings and conclusions in this presentation are those of the author and do not necessarily represent the official position of the funding agencies



Who are SEAD Consulting?

- Niche public health consultancy – est. 2005



“RTCQI meets digital transformation”

1. Journey

- 12 years of improving HTS quality

2. Describe the move to “RTCQI⁺”

- The importance of digital health
- From traditional approach to seamless digital platform

3. RTCQI⁺ and Health Systems Strengthening:

- Digitally-assisted TA tools
- Distance-based learning tools
- RTCQI⁺ given as a model – platform available for many HSS programs

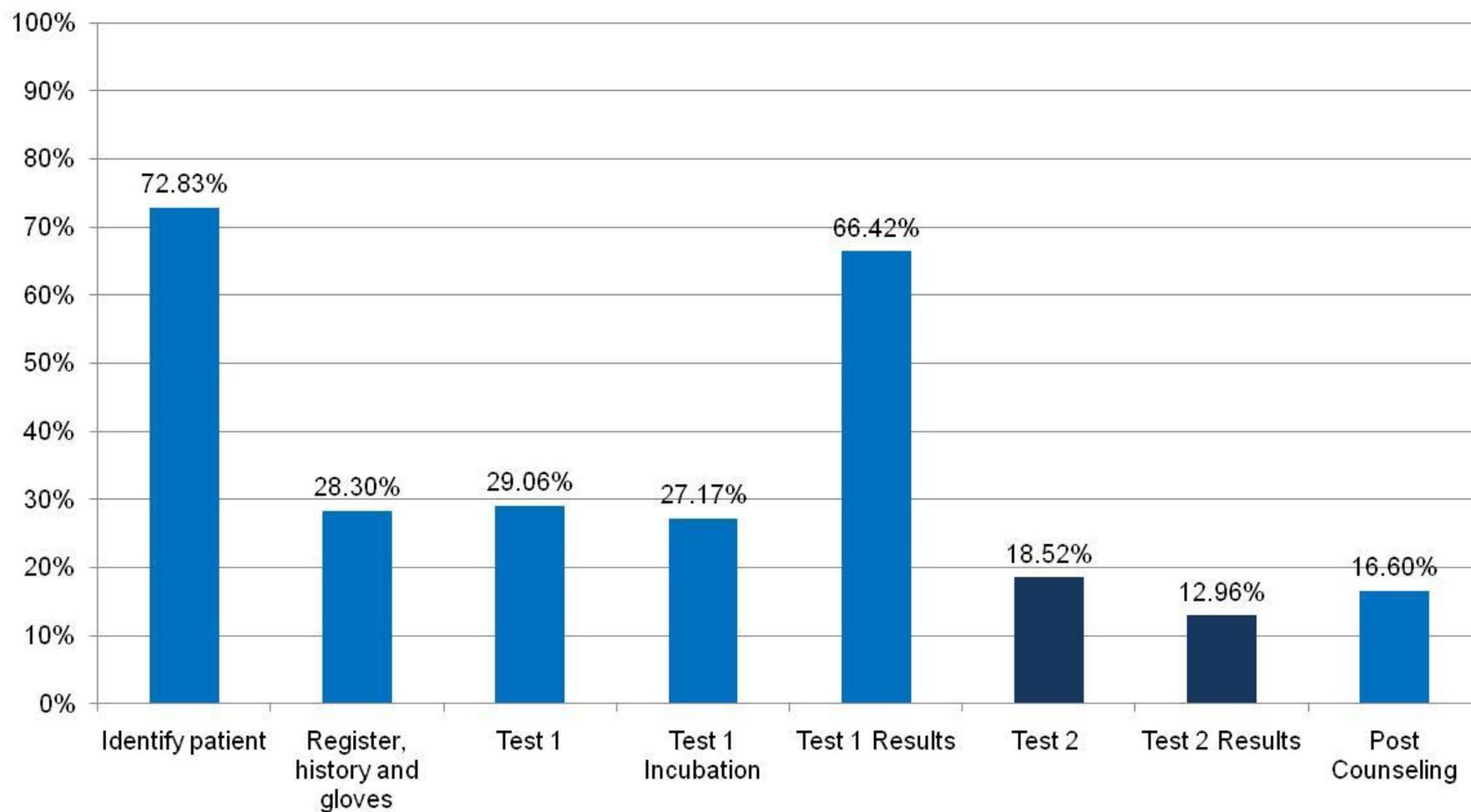
Why did SA need to address HIV Rapid Test QI?

Integrated Clinical- Laboratory System Interface Analysis:

Analysis Findings: HIV Testing

August 2010

HIV VCT Rapid Test Process Compliance - at Activity Group level (National) *Test 2 Analysed - when actually performed*



Codifying elements of HTS quality

Key elements of HTS quality

Stepwise Process for Improving the Quality of HIV Rapid Testing (SPI-RT) Checklist

SPI-RT Checklist

Version 3.0

10/15/2015

| Assessment Score Sheet | | |
|------------------------|--------------------------------------------|--------------|
| Section | Section Name | Total Points |
| Section 1 | Personnel Training and Certification | 10 |
| Section 2 | Physical Facility | 5 |
| Section 3 | Safety | 11 |
| Section 4 | Pre-Testing Phase | 12 |
| Section 5 | Testing Phase | 9 |
| Section 6 | Post-Testing Phase and Document and Record | 9 |
| Section 7 | External Quality assessment | 14 |
| TOTAL SCORE | | 70 |

Key elements of HTS quality

Stepwise Process for Improving the Quality of HIV Rapid Testing (SPI-RT) Checklist

SPI-RT Checklist

Version 3.0

10/15/2015

| Assessment Score Sheet | | |
|------------------------|--------------------------------------------|--------------|
| Section | Section Name | Total Points |
| Section 1 | Personnel Training and Certification | 10 |
| Section 2 | Physical Facility | 5 |
| Section 3 | Safety | 11 |
| Section 4 | Pre-Testing Phase | 12 |
| Section 5 | Testing Phase | 9 |
| Section 6 | Post-Testing Phase and Document and Record | 9 |
| Section 7 | External Quality assessment | 14 |
| TOTAL SCORE | | 70 |



Structured, standardized intervention model - RTCQI

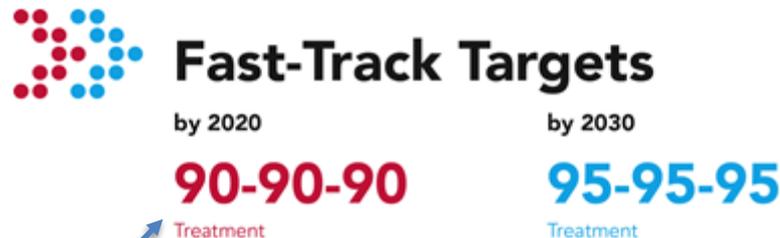
RTCQI methodology

Ensuring improved HIV testing quality

RTCQI is a comprehensive package of QI activities that support accurate rapid HIV testing.

Includes:

- Guidelines and policies on QI of rapid HIV testing
- A certification program for testers and sites
- Scaling up proficiency testing programs
- Improving uptake of the standardized HIV testing logbook
- Strengthening capacity to assure the quality of rapid HIV test kits



SEAD applying RTCQI methodology

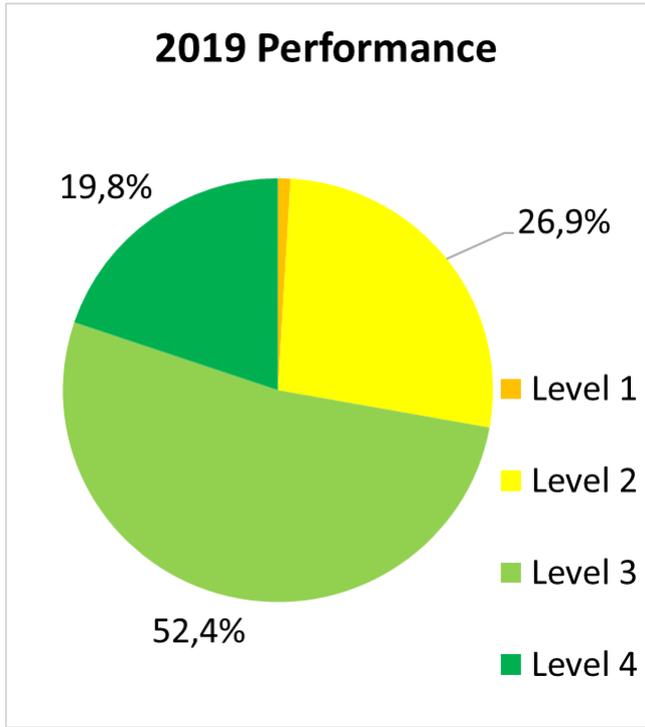
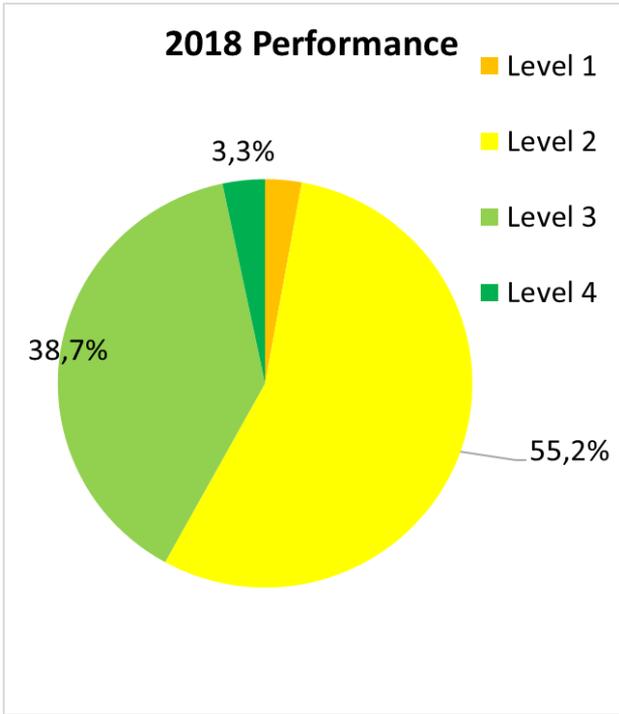
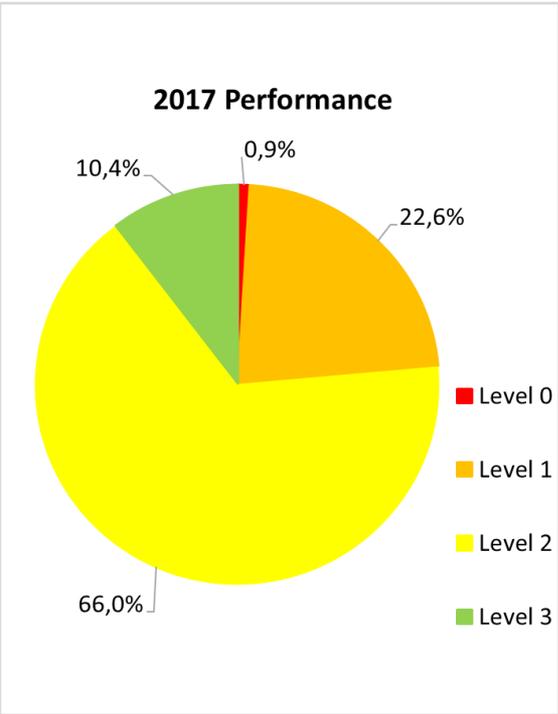


RTCQI – does quality improve with TA?

Project:

- PEPFAR/CDC award
- Country-wide
- Assist all provinces and Implementing Partners

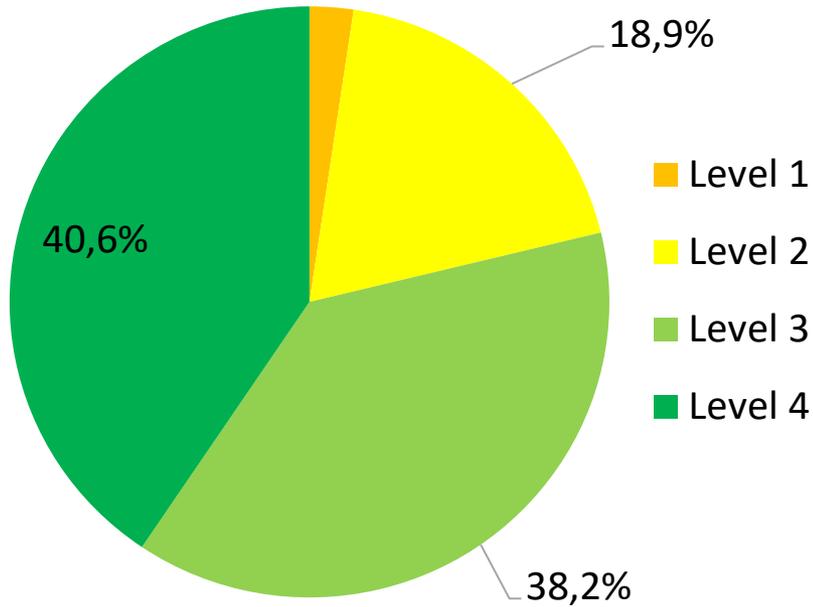
OVERALL PERFORMANCE PROGRESS 2017 - 2019



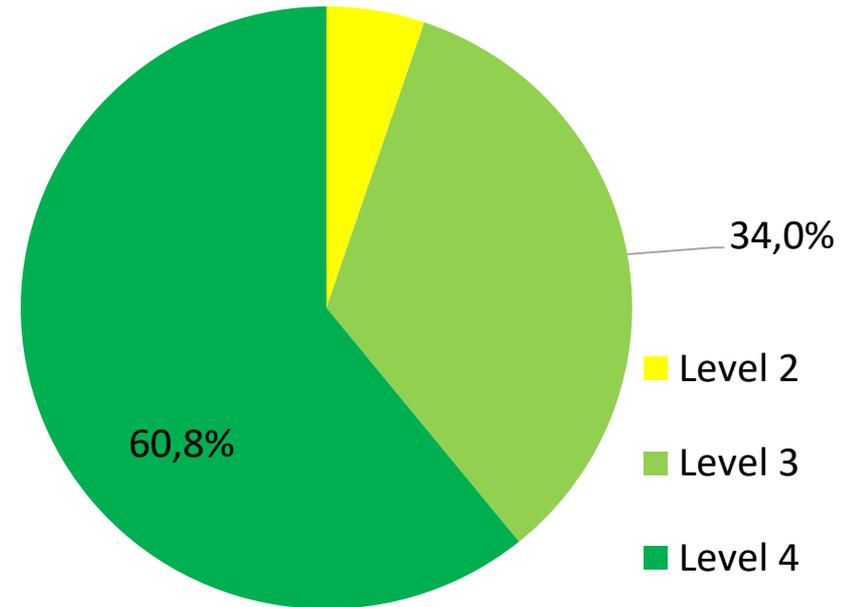
SPI-RT PERFORMANCE PROGRESS

2020 - 2021

2020 Performance

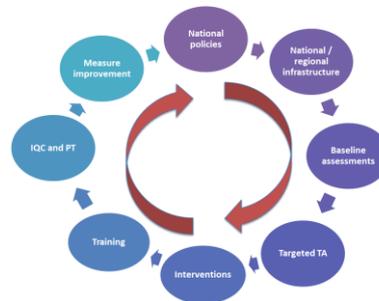


2021 Performance



RTCQI⁺

What is SEAD's Digitally-Assisted TA Platform?



What problem were we trying to solve?

1. Not “precision public health”
2. Move away from paper-based
3. Not enough support to field staff
4. Standardized formats for interventions
5. Reporting was cumbersome
6. Need for greater efficiencies

At organization level

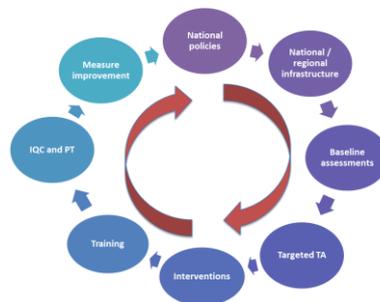
- Took institutional knowledge, evaluation tools and existing training resources
- Converted into
 - state-of-the-art evaluation, support and educational content
 - Video lectures, tutorials, infographics, assessment apps, etc.
- Used by
 - our HSS staff and
 - recipient health care workers and administrators
- Automated analysis systems for data

SEAD moved to:

- **Digitally transformed** HSS programs
- Enhanced ability to deliver **high quality, standardized** interventions
- Do this **at scale**
- **Without large increases** in specialist **HR** field resources
- **Reporting** on program defined objectives/indicators are
 - Standardized and automated
- Comparability **of data** and **measure of impact**

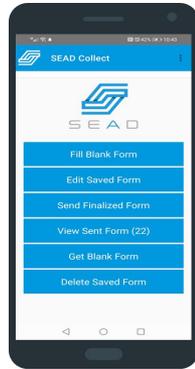
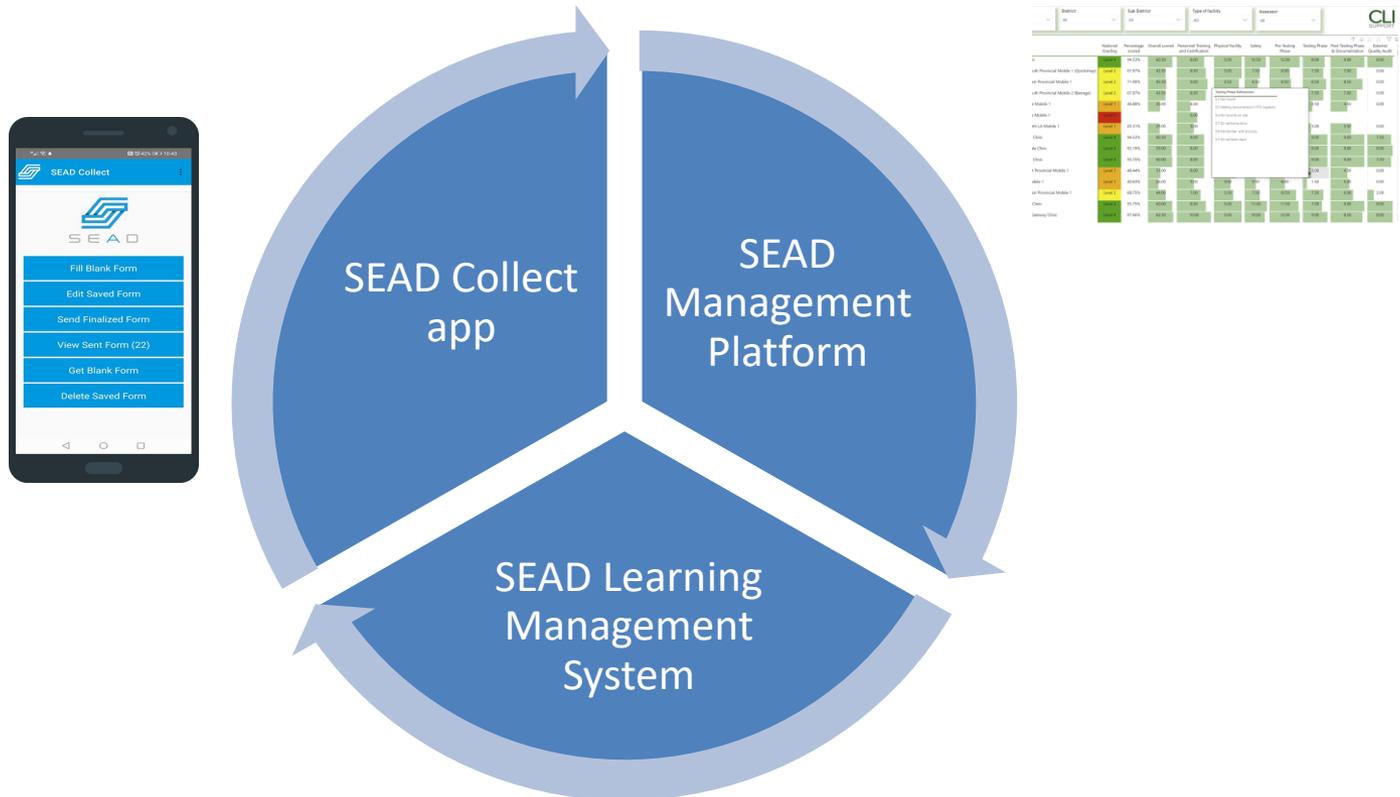
SEAD's Digitally-Assisted TA Apps form:

- A **seamless** program management platform
- The ability to **rapidly implement and scale** health TA and capacity building programs across value chain



SEAD's journey to RTCQI+

Needed 3 components:



A screenshot of the SEAD Management Platform dashboard. It features a table with columns for various metrics and a pop-up window displaying a detailed view of a specific data point. The table includes columns for 'SEAD Collect app', 'SEAD Management Platform', and 'SEAD Learning Management System'. The data is presented in a grid format with color-coded cells (green, yellow, red) indicating different levels of performance or status.

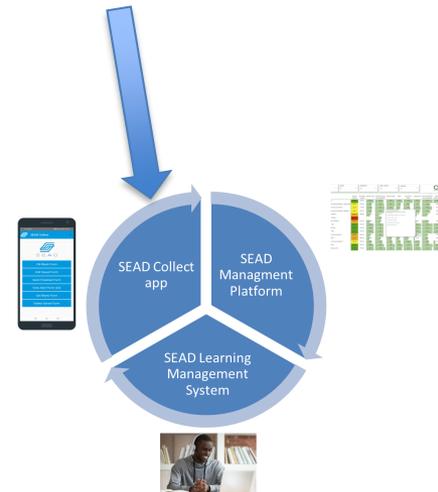


Needed to support different levels



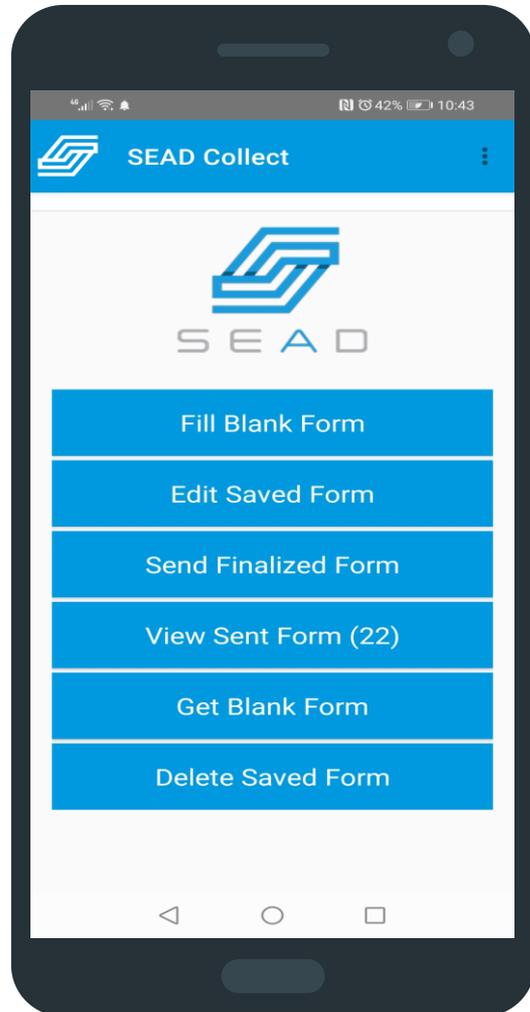
At field staff level

- **Customized apps** for use on **basic smartphones**, tablets or laptops
- Apps **do not require** a **live internet** connection on-site
- **Support them** during site visits by allowing them to
 - analyze an environment
 - conduct capacity building interventions
 - communicate with their managers
 - document their activities and findings
 - track progress

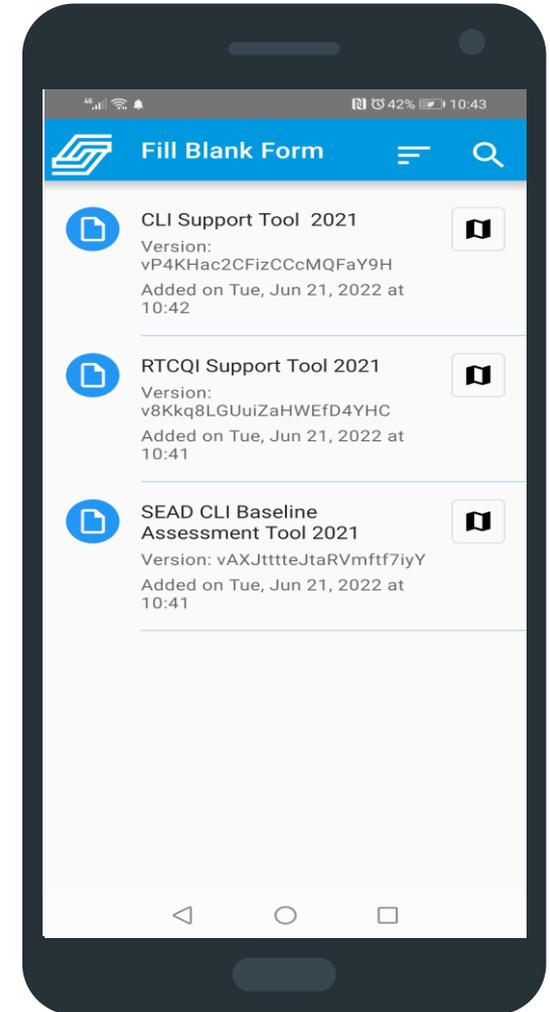


SEAD COLLECT APP

Android based app

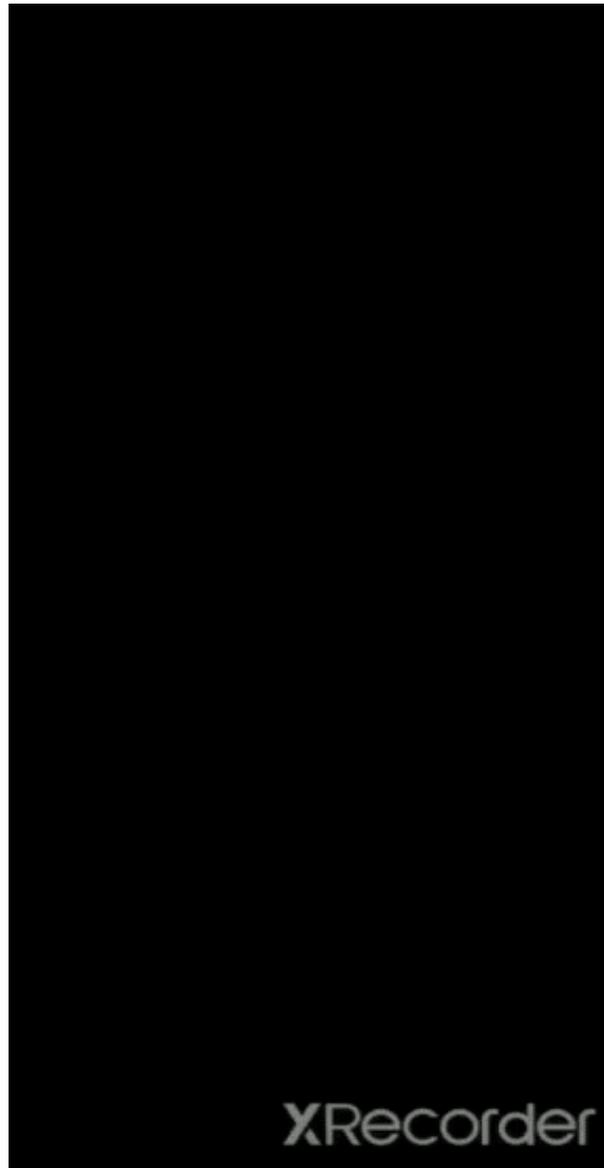


- Designed tools are assigned to users
- Submit data when tools are filled in/completed.
- Appears on SEAD platform for manager



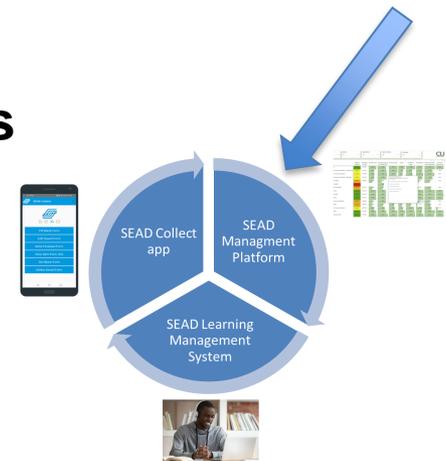
Supporting field staff

RTCQI⁺



XRecorder

- Managers **support staff** and **guide interventions**
 - Access to **comprehensive dashboards**
 - **Live**, remote **monitoring and management** of implementing teams
 - **Data** and **business intelligence visualizations**
 - Program **M&E** and reporting



Management platform

Submission data from app appears on platform

“Live ticker”

Browser ✕

← → ↻ ☰

sead

Ashraf Moosa ▾

NAVIGATION

- [Dashboard](#)
- [Submissions](#)
- [Reports](#)
- [Admin](#)
- [Visualisations](#)
- [Live RTCQI - CLI Dashboard](#)
- [Rejection Rate Dashboard](#)
- [Cop19 - RR Dash](#)
- [Cop17 - RR Dash](#)
- [Cop18 - RR Dash](#)
- [Cop19 - RR Dash](#)
- [Cop20 - RR Dash](#)
- [User Stats](#)

Live RTCQI - CLI Dashboard

Grant:

District:

Type: CLI RTCQI

Support type: On-site Remote support

Lab advisor:

Site visit date:

Recent site support activities

| Site visit date | Advisor | Facility | Type | Site visit vs Submission date (Days) | Assessment of process & impact markers | Viral load cascade | Rejection rate support log | eLABS Performance Indicators | Quick Assessment | Assessment of performance indicators | HTS Stats | IQC Monitoring: LOT details and tracking | Assessment of understanding questions | Module Training | Intervention | Meetings | |
|-----------------|--------------------------------------------|--------------------------------|-------|--------------------------------------|----------------------------------------|--------------------|----------------------------|------------------------------|------------------|--------------------------------------|-----------|------------------------------------------|---------------------------------------|-----------------|--------------|----------|--|
| 20/06/2022 | kenilworth_kekana | Gazankulu clinic | RTCQI | 0 | | | | | | | | | | | | | |
| | | Hercules clinic | RTCQI | 0 | | | | | | | | | | | | | |
| | | Lotus Gardens clinic | RTCQI | 0 | | | | | | | | | | | | | |
| | | Pretoria West hospital | RTCQI | 0 | | | | | | | | | | | | | |
| 17/06/2022 | kenilworth_kekana | Saulsville clinic | RTCQI | 0 | | | | | | | | | | | | | |
| | | Atteridgeville Clinic | RTCQI | 3 | | | | | | | | | | | | | |
| | | Danville clinic | RTCQI | 3 | | | | | | | | | | | | | |
| | | Laudium CHC | RTCQI | 3 | | | | | | | | | | | | | |
| 15/06/2022 | hlupheka_shambane thulane_ngidi | Laudium Clinic | RTCQI | 3 | | | | | | | | | | | | | |
| | | Olievenhoutbosch Ext 13 clinic | RTCQI | 3 | | | | | | | | | | | | | |
| | | Pulse | RTCQI | 4 | | | | | | | | | | | | | |
| 14/06/2022 | hlupheka_shambane ngokholo_sam | Dawn Park Clinic | CLI | 2 | | | | | | | | | | | | | |
| | | Tswelopele Clinic | CLI | 2 | | | | | | | | | | | | | |
| | | Wits RHI | RTCQI | 0 | | | | | | | | | | | | | |
| 13/06/2022 | Rendani_tshisapungo | Civic Centre Clinic (Mthatha) | CLI | 0 | | | | | | | | | | | | | |
| | | WRHI | RTCQI | 3 | | | | | | | | | | | | | |
| 09/06/2022 | ayanda_solomane_tbhiv dikeledi_molefe_wrhi | WRHI | RTCQI | 4 | | | | | | | | | | | | | |
| | | Inkwenkwezi bnb | RTCQI | 1 | | | | | | | | | | | | | |
| | | Daveyton East Clinic | CLI | 10 | | | | | | | | | | | | | |
| 08/06/2022 | ayanda_solomane_tbhiv | Phillip Moyo CHC | RTCQI | 10 | | | | | | | | | | | | | |
| | | | CLI | 10 | | | | | | | | | | | | | |
| | | | RTCQI | 10 | | | | | | | | | | | | | |
| | ngokholo_sam | Ntapane Clinic | CLI | 5 | | | | | | | | | | | | | |
| | | Ntapane Clinic | RTCQI | 5 | | | | | | | | | | | | | |
| | ayanda_solomane_tbhiv | Inkwenkwezi bnb | CLI | 1 | | | | | | | | | | | | | |
| | | | RTCQI | 1 | | | | | | | | | | | | | |



RTCQI+ -- Converting data into intelligence

RTCQI+

At managerial level

- Where to go and what to do

District

Sub District

Type of facility

Assessor



| | National Grading | Percentage scored | Overall scored | Personnel Training and Certification | Physical Facility | Safety | Pre-Testing Phase | Testing Phase | Post-Testing Phase & Documentation | External Quality Audit |
|--------------------------|------------------|-------------------|----------------|--------------------------------------|-------------------|--------|-------------------|---------------|------------------------------------|------------------------|
| ial Mobile 1 (Quickshop) | Level 4 | 94.53% | 60.50 | 8.00 | 5.00 | 10.50 | 12.00 | 8.00 | 9.00 | 8.00 |
| | Level 2 | 67.97% | 43.50 | 8.50 | 5.00 | 7.50 | 8.00 | 7.50 | 7.00 | 0.00 |
| ial Mobile 1 | Level 2 | 71.09% | 45.50 | 9.00 | 4.50 | 6.50 | 8.50 | 8.50 | 8.50 | 0.00 |
| ial Mobile 2 (Barrage) | Level 2 | 67.97% | 43.50 | 8.50 | 4.50 | 7.50 | 8.50 | 7.50 | 7.00 | 0.00 |
| | Level 1 | 46.88% | 30.00 | 4.00 | 5.00 | 5.50 | 7.50 | 3.50 | 4.50 | 0.00 |
| ile 1 | Level 0 | | | 6.00 | 3.50 | 7.00 | 6.50 | | | |
| | Level 1 | 45.31% | 29.00 | 5.00 | 3.50 | 6.50 | 5.50 | 3.00 | 5.50 | 0.00 |
| l Mobile 1 | Level 4 | 94.53% | 60.50 | 8.00 | 5.00 | 10.50 | 11.50 | 9.00 | 9.00 | 7.50 |
| | Level 4 | 92.19% | 59.00 | 8.00 | 3.50 | 9.50 | 12.00 | 9.00 | 9.00 | 8.00 |
| | Level 4 | 93.75% | 60.00 | 8.00 | 5.00 | 9.50 | 12.00 | 9.00 | 9.00 | 7.50 |
| | Level 1 | 48.44% | 31.00 | 8.00 | 4.00 | 5.50 | 6.00 | 3.00 | 4.50 | 0.00 |
| ial Mobile 1 | Level 1 | 40.63% | 26.00 | 5.00 | 3.00 | 5.50 | 6.00 | 1.50 | 5.00 | 0.00 |
| | Level 2 | 68.75% | 44.00 | 7.00 | 3.50 | 7.50 | 10.50 | 7.50 | 6.00 | 2.00 |
| inic | Level 4 | 93.75% | 60.00 | 8.50 | 5.00 | 11.00 | 11.50 | 7.00 | 9.00 | 8.00 |
| | Level 4 | 97.66% | 62.50 | 10.00 | 5.00 | 10.00 | 12.00 | 9.00 | 8.50 | 8.00 |
| | Level 4 | 93.75% | 60.00 | 7.50 | 5.00 | 10.50 | 11.00 | 9.00 | 9.00 | 8.00 |

RTCQI+ -- Converting data into intelligence

RTCQI+

At managerial level

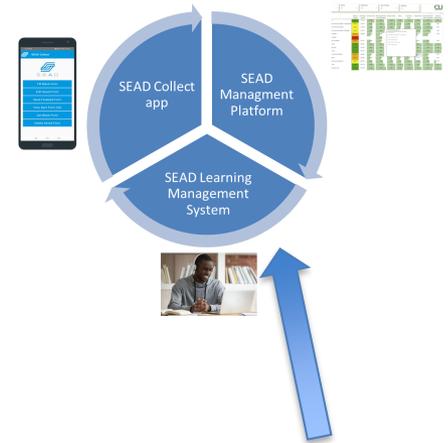
- Where to go and what to do

| District: All Sub District: All Type of facility: All Assessor: All | | | | National Grading Percentage scored Overall scored Personnel Training and Certification Physical Facility Safety Pre-Testing Phase Testing Phase Post-Testing Phase & Documentation External Quality Audit | | | | | | |
|---------------------------------------------------------------------------|---------|--------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|-------|------|------|------|
| | Level 4 | 94.53% | 60.50 | 8.00 | 5.00 | 10.50 | 12.00 | 8.00 | 9.00 | 8.00 |
| cial Mobile 1 (Quickshop) | Level 2 | 67.97% | 43.50 | 8.50 | 5.00 | 7.50 | 8.00 | 7.50 | 7.00 | 0.00 |
| ial Mobile 1 | Level 2 | 71.09% | 45.50 | 9.00 | 4.50 | 6.50 | 8.50 | 8.50 | 8.50 | 0.00 |
| cial Mobile 2 (Barrage) | Level 2 | 67.97% | 43.50 | 8.50 | 4.50 | 7.50 | | | | 0.00 |
| | Level 1 | 46.88% | 30.00 | 4.00 | 5.00 | 5.50 | | | | 0.00 |
| | Level 0 | | | 6.00 | 3.50 | 7.00 | | | | |
| ile 1 | Level 1 | 45.31% | 29.00 | 5.00 | 3.50 | 6.50 | | | | 0.00 |
| | Level 4 | 94.53% | 60.50 | 8.00 | 5.00 | 10.50 | | | | 7.50 |
| | Level 4 | 92.19% | 59.00 | 8.00 | 3.50 | 9.50 | | | | 8.00 |
| | Level 4 | 93.75% | 60.00 | 8.00 | 5.00 | 9.50 | | | | 7.50 |
| il Mobile 1 | Level 1 | 48.44% | 31.00 | 8.00 | 4.00 | 5.50 | | | | 0.00 |
| | Level 1 | 40.63% | 26.00 | 5.00 | 3.00 | 5.50 | | | | 0.00 |
| ial Mobile 1 | Level 2 | 68.75% | 44.00 | 7.00 | 3.50 | 7.50 | 10.50 | 7.50 | 6.00 | 2.00 |
| | Level 4 | 93.75% | 60.00 | 8.50 | 5.00 | 11.00 | 11.50 | 7.00 | 9.00 | 8.00 |
| linic | Level 4 | 97.66% | 62.50 | 10.00 | 5.00 | 10.00 | 12.00 | 9.00 | 8.50 | 8.00 |
| | Level 4 | 93.75% | 60.00 | 7.50 | 5.00 | 10.50 | 11.00 | 9.00 | 9.00 | 8.00 |

External Quality Audit Deficiencies

- 71 Not enrolled
- 72 Testers not testing the PT samples
- 73 Person in charge not reviewing the PT
- 74 Not reviewed by testers and person in charge
- 75 No corrective action implemented
- 76 No periodic supervisory visit
- 77 No feedback provided
- 78 Not being retrained

RTCQI+ training





Three levels

1. In person training
2. Online training
3. On-site training

Three levels

1. In person training
2. Online training
3. On-site training



Three levels

1. In person training

2. Online training

3. On-site training



RTCQI+ - Learning management system



RTCQI+ - Learning management system

Lab courses assigned to learners enrolled

The screenshot shows the 'Home' page of the CLI Support LMS. At the top, there is a navigation bar with the CLI Support logo, the user name 'Max Heera | Learner', and a 'Message' button. Below the navigation bar is a search bar labeled 'Search my courses' and three view options: 'Info', 'Name', and 'Grid'. The main content area features a progress summary with four metrics: '5 courses in progress', '0 courses not passed', '0 completed courses', and '0h 0m training time'. Below this are five course cards, each with a thumbnail image of hands being tested and a progress indicator showing 0% completion. The course titles are: 'Rapid Test Continuous Quality Improve...', 'RTCQI Final Assessment - 2', 'RTCQI Full Course - Module V...', 'RTCQI Tests & Assessment', and 'Training to conduct HIV Rapid Testing Co...'. Each card has a '0%' progress bar at the bottom.

COURSE CONTENT

The screenshot shows the 'National RTCQI Course - Self Paced' course page. The top navigation bar includes the CLI Support logo, the user name 'Max Heera | Learner', 'Messages', 'Help', a search bar, and an external link icon. The page title is 'National RTCQI Course - Self Paced' with a '0%' progress indicator. Below the title is a description: 'A Training Program and Innovative Approach To Ensure Accuracy and Reliability of HIV Test Results. You will require at least 80% to pass the Module Quizzes and 80% to pass the Assessment at the end.' A 'Start course' button is prominently displayed. The 'Content' section lists the following items: '00. Introduction to HIV Rapid Testing Training.mp4', 'RTCQI: Module 0 Quiz', '01. Module 1 Assuring the Quality of HIV Rapid Testing.mp4', 'RTCQI: Module 1 Quiz', '02. Module 2 Stock Management and Inventory.mp4', 'RTCQI: Module 2 Quiz', '03 Module 3 Safety at HIV Testing Site.mp4', 'RTCQI: Module 3 Quiz', '04. Module 4 Specimen Collection - Finger Prick Blood.mp4', 'Module 4 Demonstration: Finger Prick Procedure.mp4', 'RTCQI: Module 4 Quiz', '05. Module 5 HIV Rapid Test Algorithm.mp4', 'Module 5 Demo: Testing Procedure according to National Testing Algorithm.mp4', and 'RTCQI: Module 5 Quiz'.

RTCQI+ modules

- Enrollment
- ▶ 00. Introduction to HIV Rapid Testing Training.mp4
- 📄 RTCQI: Module 0 Quiz
- ▶ 01. Module 1 Assuring the Quality of HIV Rapid Testing.mp4
- 📄 RTCQI: Module 1 Quiz
- ▶ 02. Module 2 Stock Management and Inventory.mp4
- 📄 RTCQI: Module 2 Quiz
- ▶ 03 Module 3 Safety at HIV Testing Site.mp4
- 📄 RTCQI: Module 3 Quiz
- ▶ 04. Module 4 Specimen Collection - Finger Prick Blood.mp4
- ▶ Module 4 Demonstration: Finger Prick Procedure.mp4
- 📄 RTCQI: Module 4 Quiz
- ▶ 05. Module 5 HIV Rapid Test Algorithm.mp4
- ▶ Module 5 Demo: Testing Procedure according to National Testing Algorithm.mp4
- 📄 RTCQI: Module 5 Quiz

- ▶ 06. Module 6 Record Keeping.mp4
- 📄 RTCQI: Module 6 Quiz
- ▶ 07. Module 7 Quality Control.mp4
- ▶ Module 7 Demo: Independent Quality Control Procedure and Trouble Shooting.mp4
- 📄 RTCQI: Module 7 Quiz
- ▶ 08. Module 8 Introduction to Proficiency Testing.mp4
- ▶ Module 8 Demonstration: Proficiency Testing Procedure and Corrective Action.mp4
- 📄 RTCQI: Module 8 Quiz
- ▶ 09. Module 9 HIV-RT Tester Competency and Certification.mp4
- 📄 RTCQI: Module 9 Quiz
- ▶ 10. Module 10 SPI-RT Assessment.mp4
- 📄 RTCQI: Module 10 Quiz
- 🖥️ 11. RTCQI: Module 11 Professional Ethics
- 📄 RTCQI: Module 11 Quiz
- RTCQI Course Evaluation

RTCQI+ - Learning management system

National RTCQI Course - Self Paced

< 01. MODULE 1 ASSURING THE QUAL... > MORE ▾

Assuring the Quality of HIV Rapid Testing

Completes in 6m 20s

RTCQI+ - Learning management system

National RTCQI Course - Self Paced

< 03 MODULE 3 SAFETY AT HIV TEST... > MORE ▾

Learning Objectives of this Module:

1. Follow personal health and safety practices
2. Maintain a clean and organised work space
3. Dispose of infectious waste properly and disinfecting work areas



Completes in 19m 42s

RTCQI+ - Learning management system

National RTCQI Course - Self Paced

< RTCQI: MODULE 1 QUIZ > MORE >

HIV test results are invalid when:

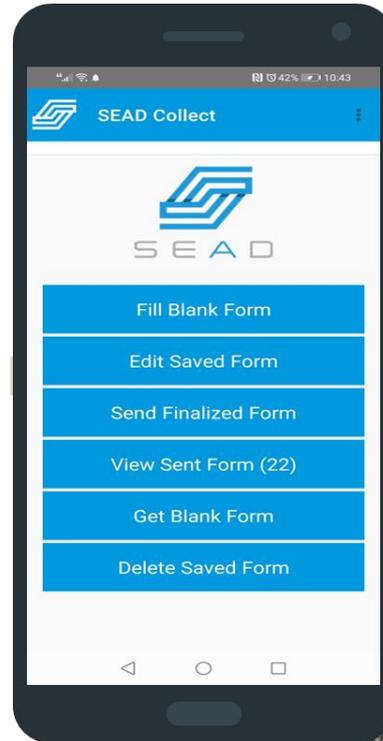
- The kits are stored according to the manufacturer's instructions
- No control line is present within the test device
- The control line is present but faint
- The HIV test results are recorded in the HIV testing register (or logbook) using a red pen

Submit answer

Question 1 of 5 >

Three levels

1. In person training
2. Online training
3. On-site training



SEAD RTCQI+ - Progress tracking



SEAD RTCQI+ - Progress tracking

Home / RTCQI Tests & Assessment / Reports

Overview Users Tests Surveys Unit matrix Timeline

RTCQI Tests & Assessment [Export in Excel](#)

101 assigned learners **74** completed learners **11** learners in progress **75.35%** tests average score **9d 12h** training time

Overall

Today Yesterday Week Month Year Period

From 23/10/2021 To 31/10/2021 [Show](#)

Progress overview

Completed 73.3%

■ Course assignments ■ Course completions

Content
12 units - 0 inactive

Users & Progress
18 instructors - 101 learners

Files
23 files

Rules & Path
Sequential rule set

Reports

Home / National CLI Course - Self Paced / Reports

Overview Users Tests Unit matrix Timeline

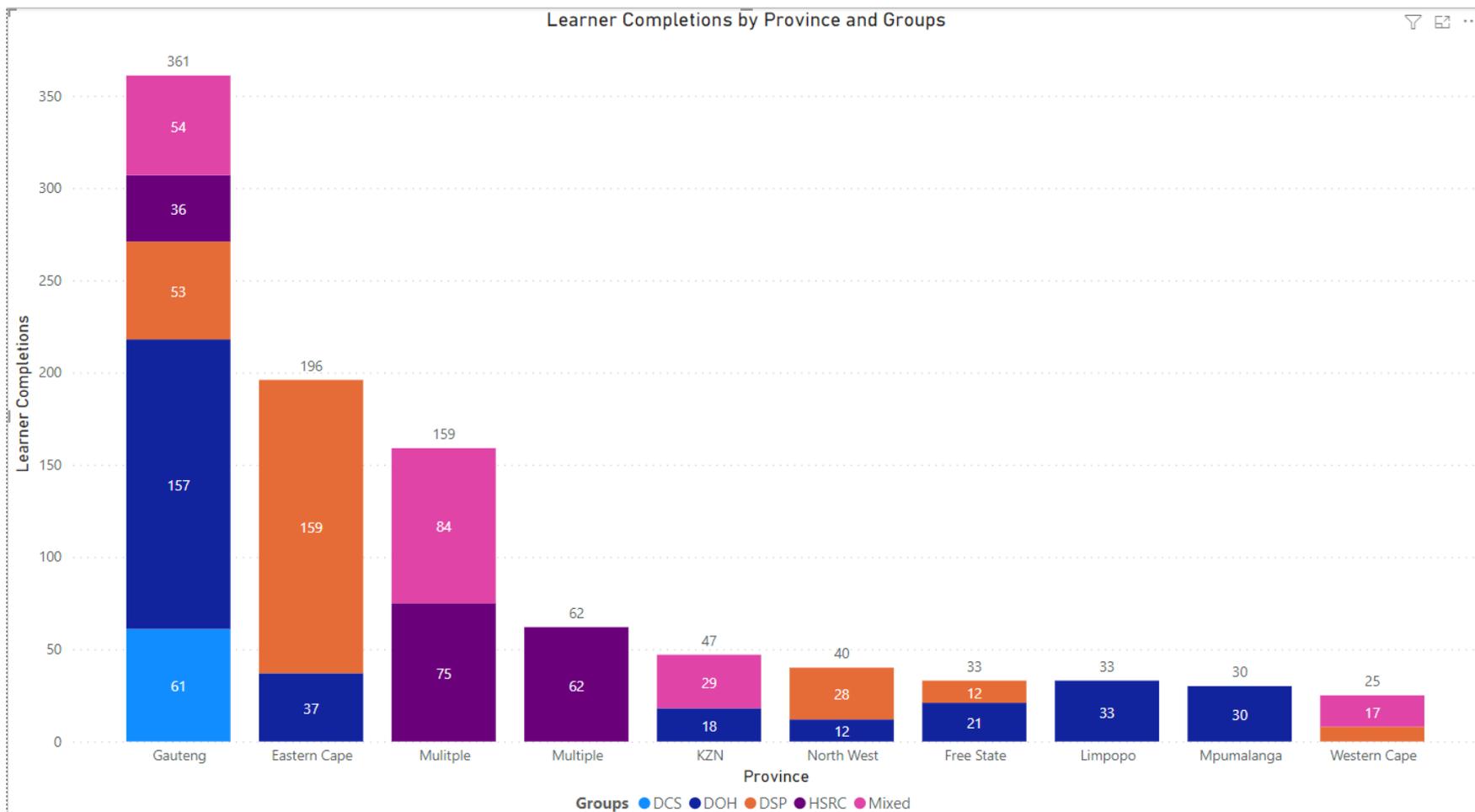
Options [Export in Excel](#)

Search users [Filter](#) [Info](#) 1 - 20 of 23 [<](#) [1](#) [>](#)

| Users | CLI - Module 1 Introduction | CLI - Module 1 Introduction Qu... | CLI - Module 2 Pre-Analytical ... | CLI - Module 2 Pre-Analytical ... | CLI - Module 3 Analytical Pro... | CLI - Module 3 Analytical Pro... | CLI - Module 4 Consumables | CLI - Module 4 Consumables | CLI - Module 5 Stock Managemen... | CLI - Module 5 Stock Managemen... | CLI - Module 6 Patient Registr... | CLI - Module 6 Patient Registr... | CLI - Module 7 Safety/npd | CLI - Module 7 Safety/npd | CLI - Module 8 Specimen Collec... | CLI - Module 8 Specimen Collec... | CLI - Module 9 Results Managem... | CLI - Module 9 Results Managem... | CLI - Module 10 e-Labs/npd | CLI - Module 10 e-Labs/npd |
|---------|-----------------------------|-----------------------------------|-----------------------------------|-----------------------------------|----------------------------------|----------------------------------|----------------------------|----------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|---------------------------|---------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|----------------------------|----------------------------|
| Chisebe | ✓ | ✓ | ○ | | | | | | | | | | | | | | | | | |
| oto | ✓ | ✓ | ○ | | | | | | | | | | | | | | | | | |
| | | | | | | | | | ✓ | | | ✓ | | | | | | | | |
| ane | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| ala | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| o | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| hadira | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ○ | | | | | | | | | |
| ze | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

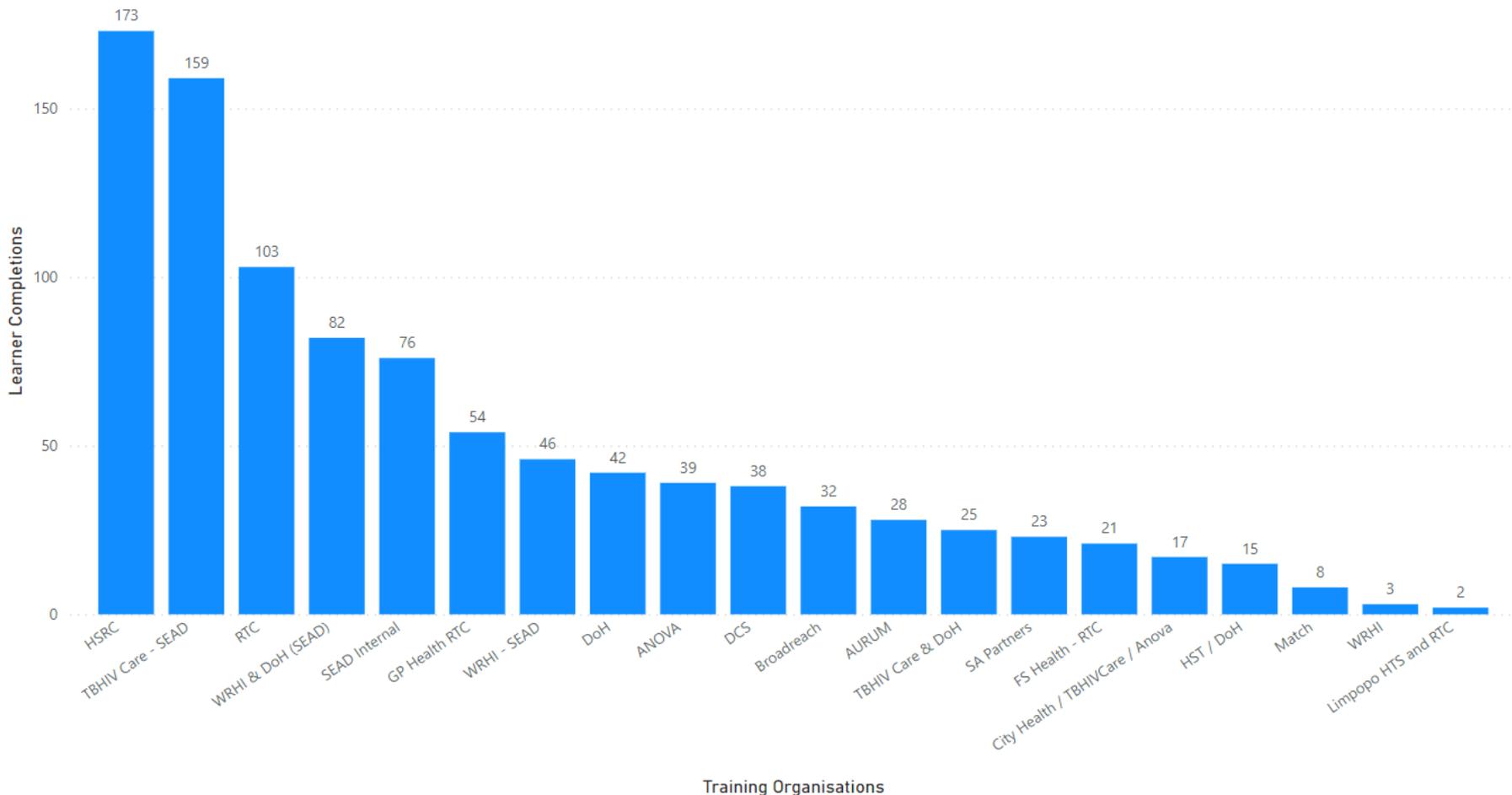
1 - 10 of 24 [<](#) [1](#) [>](#)

SEAD RTCQI+ Reporting

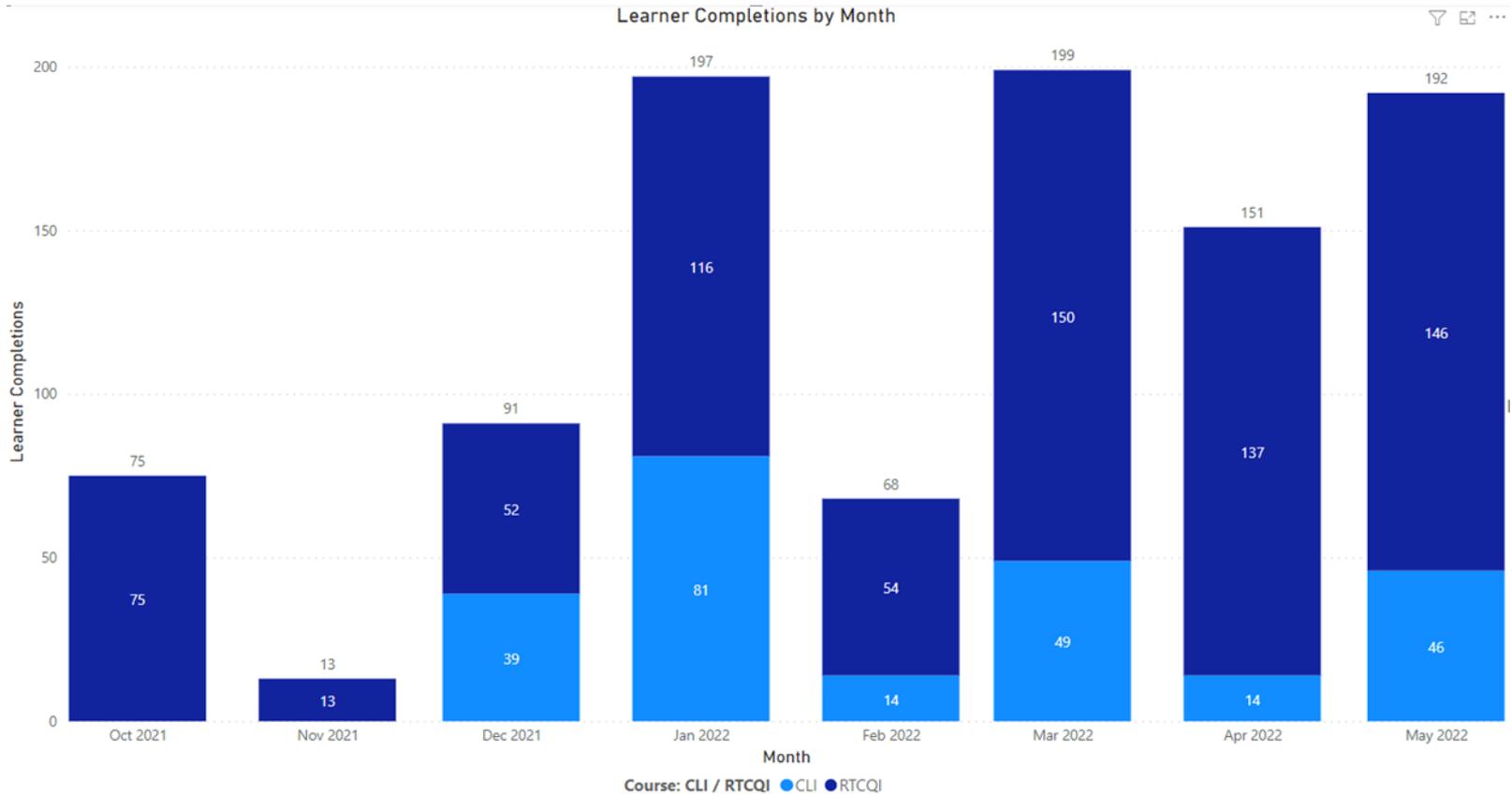


SEAD RTCQI+ Reporting

Learner Completions by Training Organisations



SEAD RTCQI+ Reporting



Donor/Government reporting

Donor/Government reporting

M12 85

DSP PROVINCE LEVEL

| DSP | Province | Province total facility allocated | Level 0 | Level 1 | Level 2 | Level 3 | Level 4 | No. of facilities assessed |
|-----|----------|-----------------------------------|---------|---------|---------|---------|---------|----------------------------|
| A | G | 186 | 1 | 4 | 4 | | 1 | 10 |
| | L | 225 | | | | 38 | 191 | 232 |
| | V | 128 | | | 3 | 17 | 15 | 35 |
| B | CH | 154 | | | 4 | 3 | 33 | 40 |
| | N | 187 | | | | 5 | 31 | 36 |
| H | K | 356 | | | 7 | 39 | 39 | 85 |
| W | E | 165 | | 1 | 3 | 5 | 3 | 12 |
| | K | 56 | | | | 7 | 15 | 22 |
| R | ARE | 83 | | | 1 | 4 | 13 | 18 |
| | N | 137 | | | 2 | 6 | | 8 |
| T | E | 488 | | | 4 | 17 | 26 | 47 |
| W | G | 182 | | | 3 | 60 | 73 | 136 |
| | | | 1 | 5 | 34 | 201 | 440 | 681 |

DSP DISTRICT LEVEL

| DSP | District | District total facility allocated | Level 0 | Level 1 | Level 2 | Level 3 | Level 4 | No. of facilities assessed |
|-----|----------|-----------------------------------|---------|---------|---------|---------|---------|----------------------------|
| AI | Cu | 108 | | | 3 | 25 | 131 | 159 |
| | Ci | 128 | | | 3 | 17 | 15 | 35 |
| | Ci | 130 | | | | | 1 | 1 |
| | M | 117 | | | | 13 | 60 | 73 |
| | Se | 56 | 1 | 4 | 4 | | | 9 |
| BI | Gr | 83 | | | | 5 | 31 | 36 |
| | Ki | 83 | | | 4 | 1 | 9 | 14 |
| | Uj | 71 | | | | 2 | 24 | 26 |
| H | el | 129 | | | 1 | 13 | 28 | 42 |
| | uf | 69 | | | 6 | 25 | 11 | 42 |
| | ZL | 95 | | | | 1 | 1 | 1 |
| M | Al | 81 | | | 1 | 5 | 3 | 9 |
| | Bu | 84 | | 1 | 2 | | | 3 |
| | Hi | 56 | | | | 7 | 15 | 22 |
| RI | Et | 137 | | | 2 | 6 | 8 | 8 |
| | Th | 83 | | | 1 | 4 | 13 | 18 |
| TI | Ar | 160 | | | 1 | 1 | 9 | 11 |
| | Ci | 173 | | | | 3 | 6 | 9 |
| | Ol | 155 | | | 3 | 13 | 11 | 27 |
| W | Ci | 83 | | | | 8 | 52 | 60 |
| | Ek | 99 | | | 3 | 21 | 76 | 76 |
| | | | 1 | 5 | 34 | 201 | 440 | 681 |

DSP PROVINCIAL SPI-RT National Grading levels

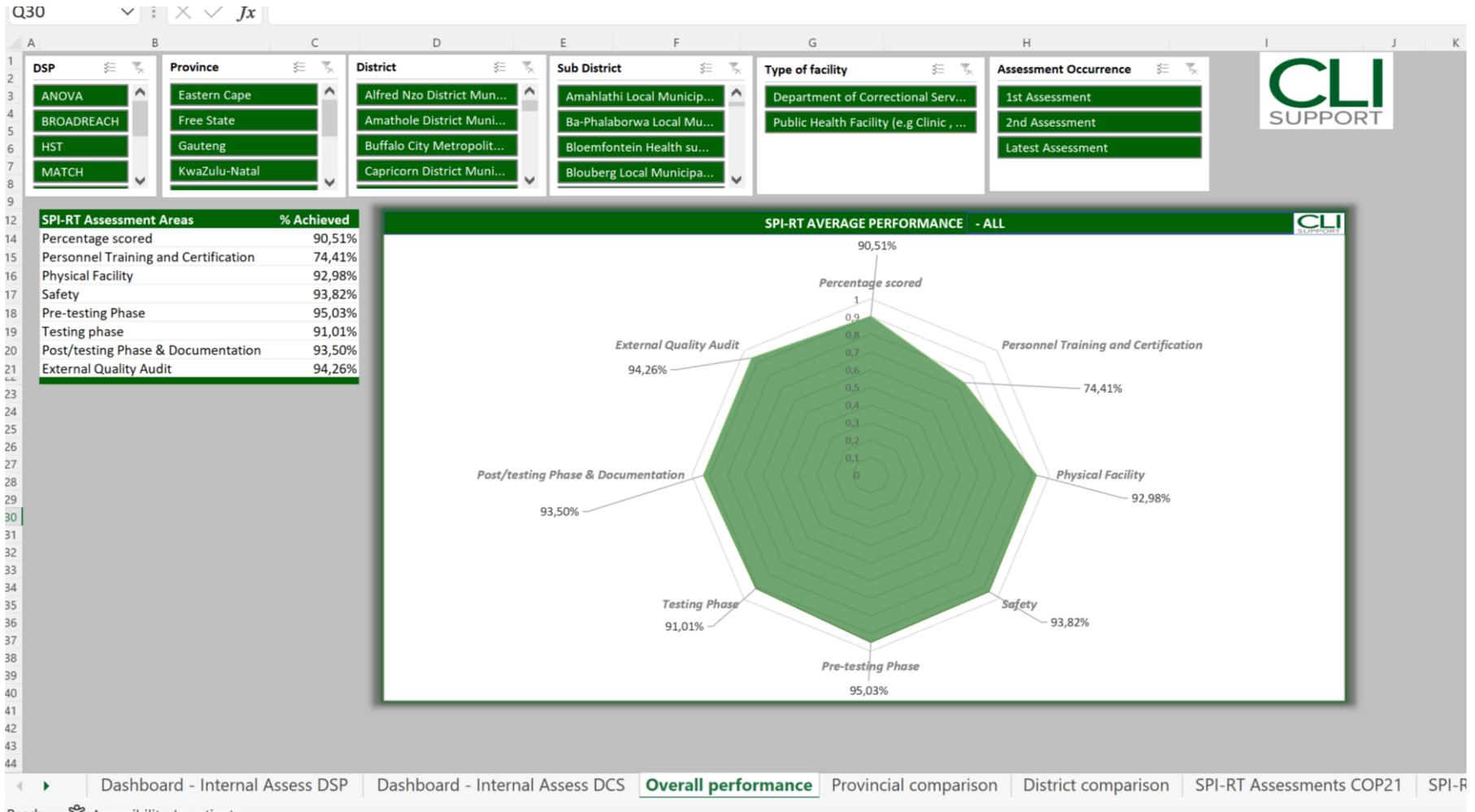
| Province | Level 0 | Level 1 | Level 2 | Level 3 | Level 4 |
|--------------|---------|---------|---------|---------|---------|
| ANNOVA | 1 | 4 | 4 | | 1 |
| BROADREACH | | | | 38 | 191 |
| HST | | | | 5 | 31 |
| ALFRED NZO | | | | 7 | 31 |
| AMATHOLE | | | | 1 | 3 |
| BUFFALO CITY | | | | 1 | 3 |
| CAPRICORN | | | | 1 | 3 |
| AMALHATHI | | | | 1 | 3 |
| BAPHALABORWA | | | | 1 | 3 |
| BLIOBERG | | | | 1 | 3 |
| ANNOVA | 1 | 4 | 4 | | 1 |
| BROADREACH | | | | 38 | 191 |
| HST | | | | 5 | 31 |
| ALFRED NZO | | | | 7 | 31 |
| AMATHOLE | | | | 1 | 3 |
| BUFFALO CITY | | | | 1 | 3 |
| CAPRICORN | | | | 1 | 3 |
| AMALHATHI | | | | 1 | 3 |
| BAPHALABORWA | | | | 1 | 3 |
| BLIOBERG | | | | 1 | 3 |

DSP DISTRICT SPI-RT National Grading levels

| District | Level 0 | Level 1 | Level 2 | Level 3 | Level 4 |
|----------|---------|---------|---------|---------|---------|
| Cu | | | 3 | 25 | 131 |
| Ci | | | 3 | 17 | 15 |
| Ci | | | | | 1 |
| M | | | | 13 | 60 |
| Se | 1 | 4 | 4 | | |
| Gr | | | | 5 | 31 |
| Ki | | | 4 | 1 | 9 |
| Uj | | | | 2 | 24 |
| el | | | 1 | 13 | 28 |
| uf | | | 6 | 25 | 11 |
| ZL | | | | 1 | 1 |
| Al | | | 1 | 5 | 3 |
| Bu | | 1 | 2 | | |
| Hi | | | | 7 | 15 |
| Et | | | 2 | 6 | 8 |
| Th | | | 1 | 4 | 13 |
| Ar | | | 1 | 1 | 9 |
| Ci | | | | 3 | 6 |
| Ol | | | 3 | 13 | 11 |
| Ci | | | | 8 | 52 |
| Ek | | | 3 | 21 | 76 |

Dashboard - Internal Assess DSP | Dashboard - Internal Assess DCS | Overall performance | Provincial comparison | District comparison | SPI-RT Assessments COP21 | SPI-RT Defi ...

Donor/Government reporting



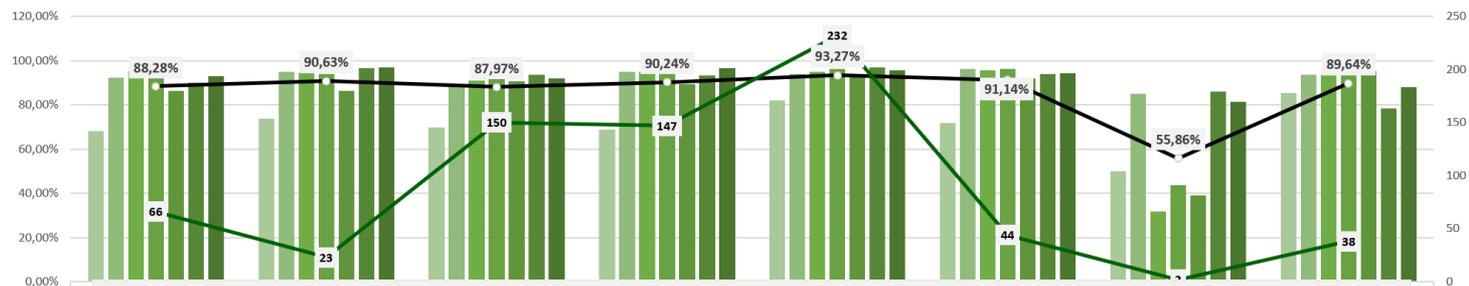
Donor/Government reporting



DSP: ANOVA, BROADREACH, HST, MATCH
Province: Eastern Cape, Free State, Gauteng, KwaZulu-Natal
District: Alfred Nzo District Muni..., Amathole District Muni..., Buffalo City Metropolita..., Carrieton District Munic...
Sub District: Amahlathi Local Municip..., Ba-Phalaborwa Local Mu..., Bloemfontein Health sub..., Blouberg Local Municipa...
Type of facility: Department of Correctional Services, Public Health Facility (e.g Clinic , CHC...
Assessment Occurrence: 1st Assessment, 2nd Assessment, Latest Assessment

| PROVINCIAL COMPARISON | | | | | | | | | |
|-----------------------|-----------------------|-------------------|--------------------------------------|-------------------|---------------|-------------------|---------------|------------------------------------|------------------------|
| Province | Assessments conducted | Percentage scored | Personnel Training and Certification | Physical Facility | Safety | Pre-testing Phase | Testing Phase | Post/testing Phase & Documentation | External Quality Audit |
| E | 66 | 88,28% | 67,95% | 92,12% | 95,25% | 94,51% | 86,28% | 89,81% | 92,90% |
| F | 23 | 90,63% | 73,70% | 94,78% | 94,66% | 94,02% | 86,23% | 96,38% | 97,01% |
| C | 150 | 87,97% | 69,63% | 88,93% | 91,03% | 92,83% | 90,44% | 93,41% | 91,79% |
| K | 147 | 90,24% | 68,67% | 94,76% | 94,77% | 96,68% | 89,12% | 93,08% | 96,51% |
| L | 232 | 93,27% | 81,96% | 93,88% | 94,79% | 96,10% | 93,97% | 97,03% | 95,69% |
| M | 44 | 91,14% | 71,82% | 96,36% | 95,45% | 96,21% | 92,05% | 93,94% | 94,32% |
| N | 2 | 55,86% | 50,00% | 85,00% | 31,82% | 43,75% | 38,89% | 86,11% | 81,25% |
| V | 38 | 89,64% | 85,26% | 93,42% | 93,54% | 93,53% | 95,18% | 78,51% | 87,83% |
| Grand Total | 702 | 90,51% | 74,41% | 92,98% | 93,82% | 95,03% | 91,01% | 93,50% | 94,26% |

PROVINCIAL AVERAGE COMPARISON - ALL



| | Eastern Cape | Free State | Gauteng | KwaZulu-Natal | Limpopo | Mpumalanga | Northern Cape | Western Cape |
|--------------------------------------|--------------|------------|---------|---------------|---------|------------|---------------|--------------|
| Personnel Training and Certification | 67,95% | 73,70% | 69,63% | 68,67% | 81,96% | 71,82% | 50,00% | 85,26% |
| Physical Facility | 92,12% | 94,78% | 88,93% | 94,76% | 93,88% | 96,36% | 85,00% | 93,42% |
| Safety | 95,25% | 94,66% | 91,03% | 94,77% | 94,79% | 95,45% | 31,82% | 93,54% |
| Pre-testing Phase | 94,51% | 94,02% | 92,83% | 96,68% | 96,10% | 96,21% | 43,75% | 93,53% |
| Testing Phase | 86,28% | 86,23% | 90,44% | 89,12% | 93,97% | 92,05% | 38,89% | 95,18% |
| Post/testing Phase & Documentation | 89,81% | 96,38% | 93,41% | 93,08% | 97,03% | 93,94% | 86,11% | 78,51% |
| External Quality Audit | 92,90% | 97,01% | 91,79% | 96,51% | 95,69% | 94,32% | 81,25% | 87,83% |
| Percentage scored | 88,28% | 90,63% | 87,97% | 90,24% | 93,27% | 91,14% | 55,86% | 89,64% |
| Assessments conducted | 66 | 23 | 150 | 147 | 232 | 44 | 2 | 38 |



RTCQI – Is it still relevant?

6.3.1.1 HIV Rapid Testing Continuous Quality Improvement

Improving the quality of laboratory and point of care HIV testing to reduce error and ensure efficient delivery of services is a critical, but often neglected aspect of global public health

COP/ROP22 Guidance for All PEPFAR-Supported Countries

Page 289 of 781

Seamless digital health platform

1. Greater understanding - business intelligence
2. Greater precision
3. Greater support in real time
4. Greater availability of focussed training
5. Scalable
6. Reduced pro-rata cost
7. RTCQI+ one example

- Applicable to other programs too



THANK YOU

info@sead.co.za

www.sead.co.za