

The role of Facilities and Biosafety in QMS—SLMTA perspective

Ernest Makokha¹

Ali Abdulilattif², Daniel Kimani¹, Muthoni Junghae¹, Frank Basiye¹, Jane Mwangi¹

1. US Centers for Disease Control and Prevention, DGHA, Kenya

2. Division of Diagnostics, Ministry of Health, Kenya

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Slide Overview

- Status of SLMTA in Kenya....rapid progression to 3 star
- Objectives
- Methods....report reviews and analysis
- Results
 - Cumulative gains, 2010-2015
 - QSEs associated with rapid progress during SLMTA
- Conclusion

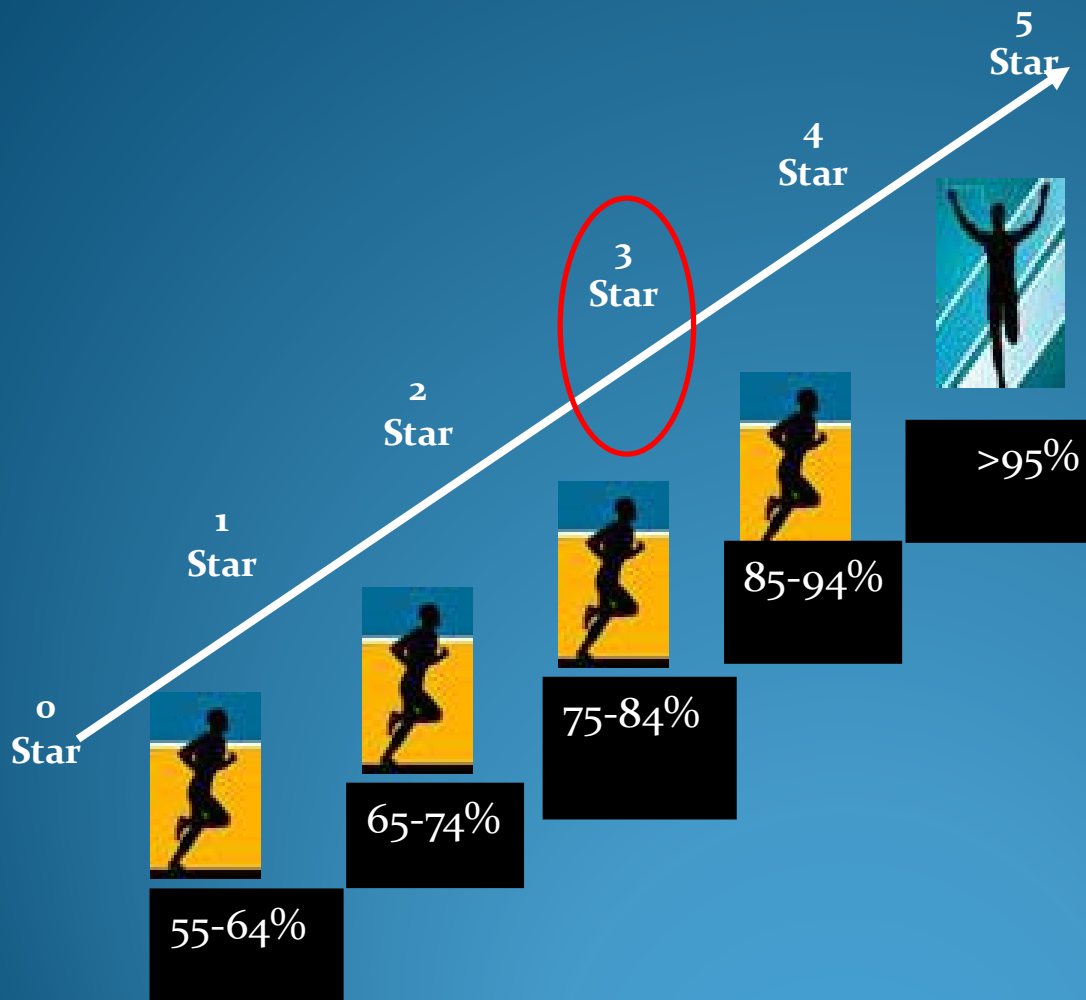
The WHO AFRO SLIPTA scoring system

Section	Points
1. Documents and records	28
2. Management reviews	14
3. Organization and personnel	22
4. Client management and customer service	10
5. Equipment	35
6. Internal audits	10
7. Purchasing and inventory	30
8. Process control and internal and/or EQA	32
9. Information management	21
10. Corrective action	19
11. Occurrence and/or incident management and process improvement	12
12. Facilities and Biosafety	43
Total score	275

WHO AFRO Stepwise Laboratory Quality Improvement Towards Accreditation

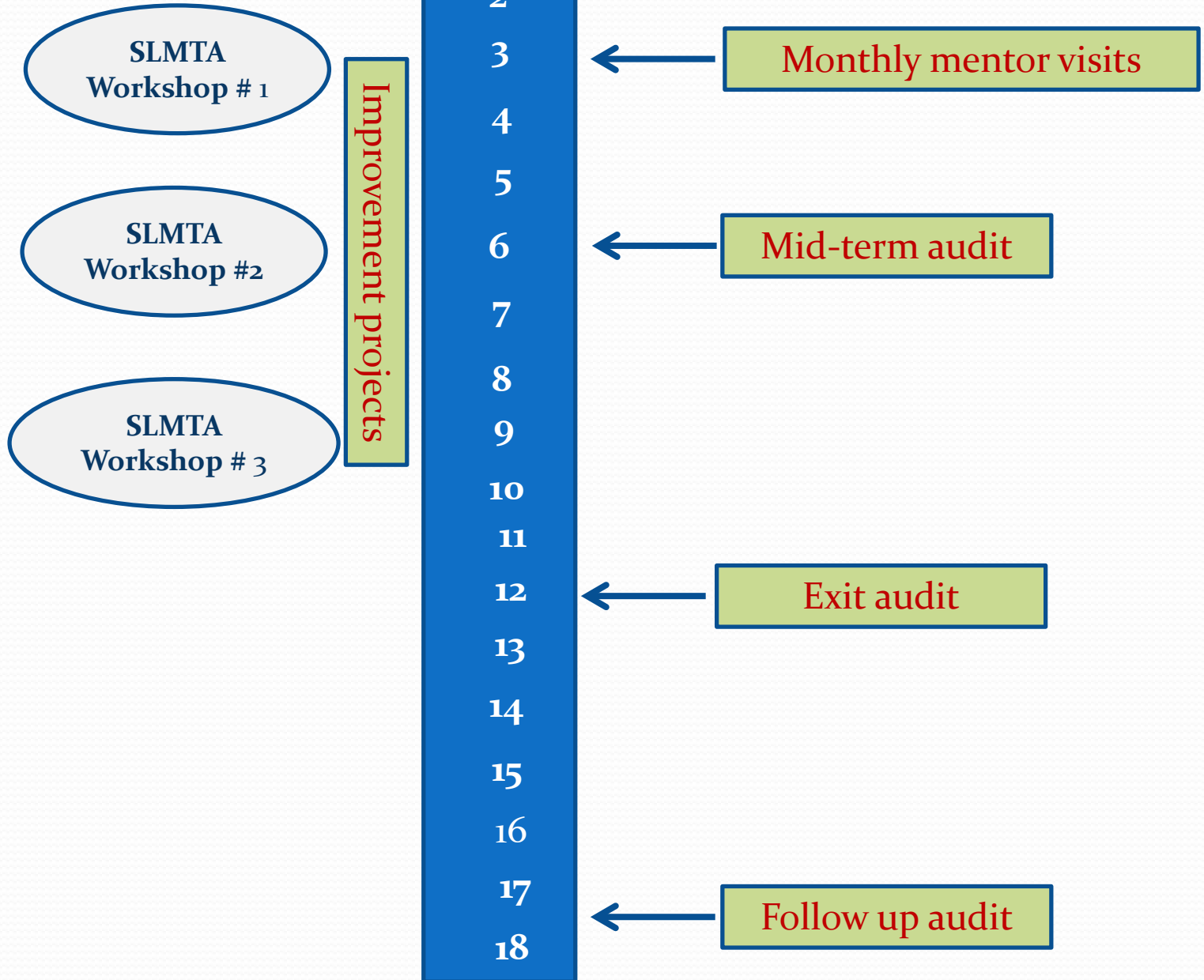
End Point

National,
Regional, or
International
Accreditation
Body



Step-wise progression towards accreditation readiness

Kenya's SLMTA model -3
workshops, 6+im/projects,
mentorships



Objectives

With focus on 3-Star labs:

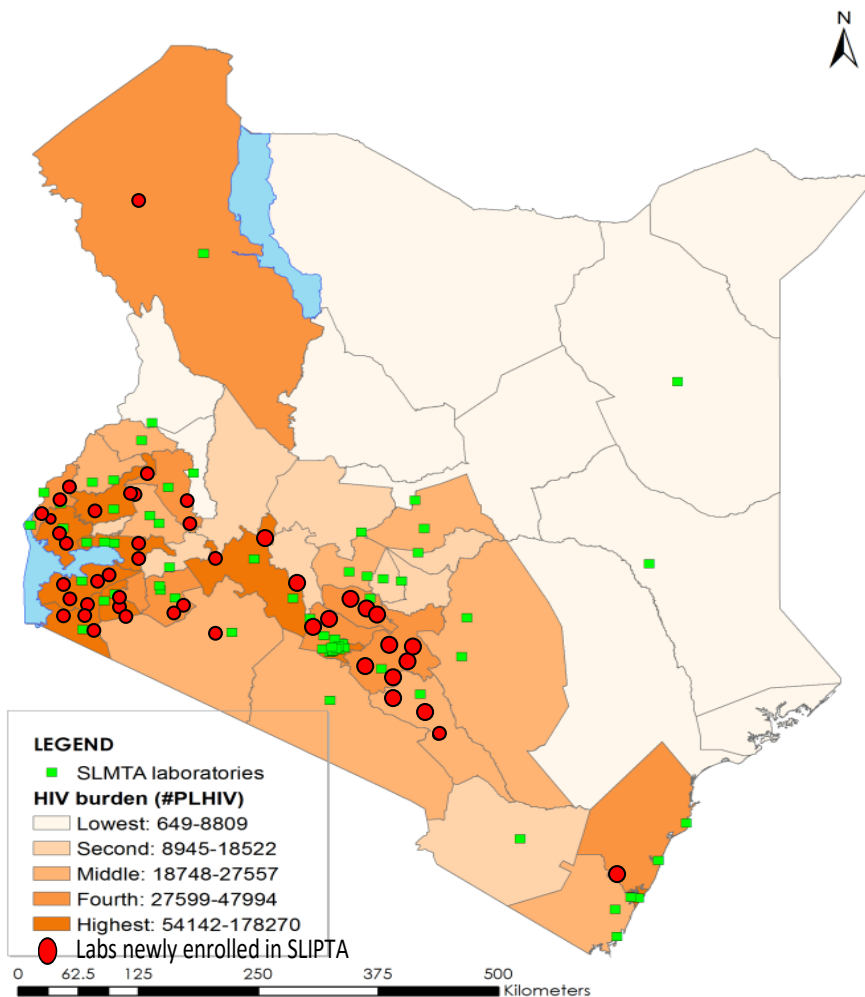
- **To quantify QMS progress made over the full cycle of SLMTA implementation**
- **To identify the most critical SLIPTA Checklist sections(QSEs) associated with rapid progress during SLMTA implementation**
- **To identify the most critical SLIPTA Checklist sections(QSEs) predicting rapid progress to 3 stars during SLMTA implementation**

Methods

- We reviewed progress reports based on:
 - Baseline Audit reports
 - Mid-term audit reports
 - End-term audit reports
 - Quarterly review meeting reports
 - Post-SLMTA Surveillance audit reports
- Using STATA version 13, we analyzed laboratory improvements in terms of:
 - Immediate SLMTA gains
 - SLIPTA absolute number and % scores by audit points
 - QSE improvements at all audit points
- We analyzed % difference in change of score for each QSE across 87 laboratories during SLMTA implementation



Increasing SLMTA Coverage



DATA SOURCE:

Laboratory geocodes: Kenya Master Facility List/integrated PEPFAR site list (iPSL)
HIV burden: EPP HIV county estimates 2014

- Support include:
 - Training
 - Mentorship
 - Documentation
 - Quality improvement projects
- Through SLIPTA labs achieve and sustain:
 - Optimal sample collection for centralized and referral testing for viral load and EID
 - Appropriate record keeping and reporting, commodity forecasting and security – leading fewer to nil interruption of services
 - Accuracy of test results and coverage leading to improved patient management
 - Reduced TAT leading to improved patient management
 - **Quality improvements to address SIMS gaps (Lab biosafety, Test SOPs, results/information, QMS)**

Global: 630 labs

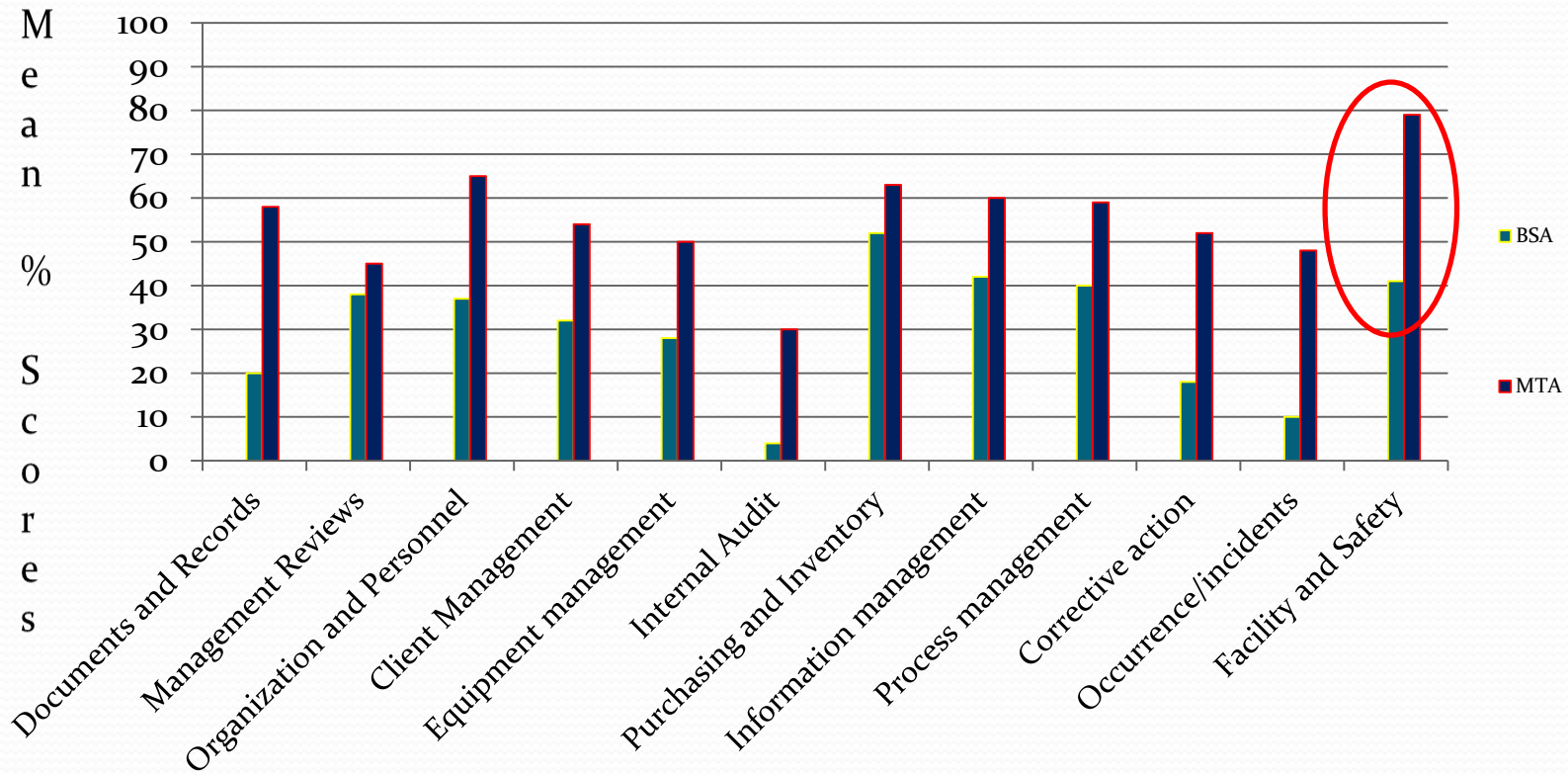
Kenya:

- 87 Labs
- 6 Cohorts
- 37/47 counties

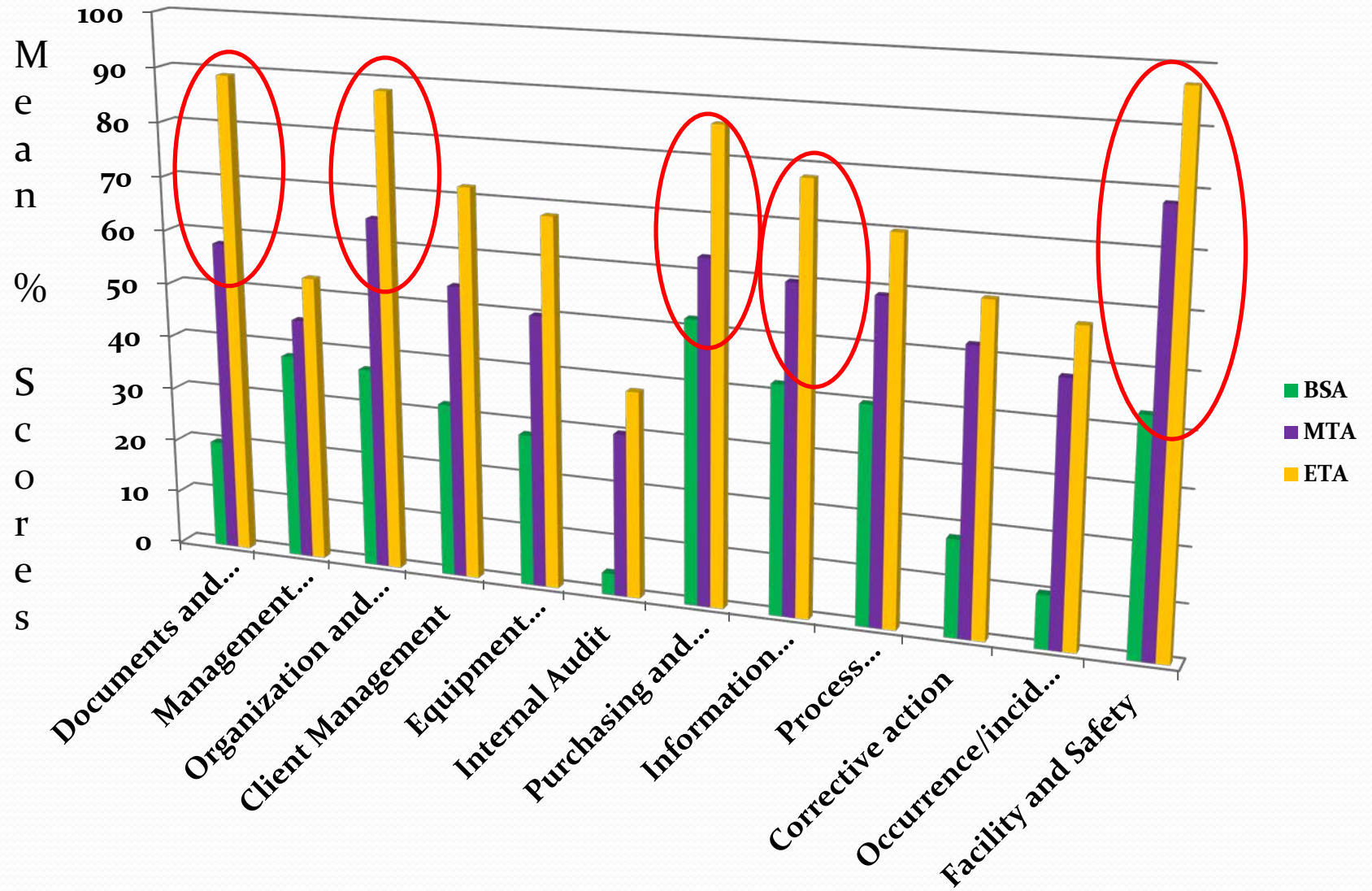
Star ranking

Stars	# Labs
ISO- Accredited	4
★★★★★	2
★★★★	4
★★★	27
★★	10
★	5
00000000	35

Accelerators of SLMTA at MTA



Accelerators of SLMTA at ETA





The WHO AFRO SLIPTA scoring system-Conclusion

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Things to do	Points
Sufficient size and overall layout of lab	
Sufficient space for optimal workflow	
Lab clean and free of clutter	
Lab has controlled access	
Lab has storage area	
Biosafety cabinet	
Lab biosafety manual	
Waste segregated and autoclaved/incinerated	
Sharps disposed into properly designed 'sharps' containers	
Safety equipment and audits	
PPE accessible and utilized	
PEP policies and procedures	
Total Points	43

Work space improvement

Before

After



Work bench improvement

Before

After



Before SLMTA

WITH SLMTA



Phlebotomy section

Before

After



Renovation of bench tops



Our SLMTA IPs/Stakeholders



**Thank you
Merci
Obrigado
ASANTE SANA!**

For more information please contact CDC-Kenya

E-mail: info@ke.cdc.gov Web: www.cdc.gov

The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.