

SLMTA Updates

SLMTA Symposium
Abuja, December 8, 2018

Katy Yao, PhD

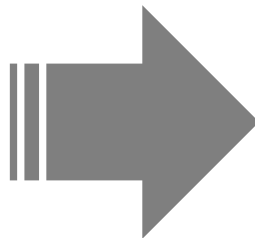
International Laboratory Branch, Division of Global HIV/AIDS and TB



SLMTA

Strengthening Laboratory Management
Toward Accreditation

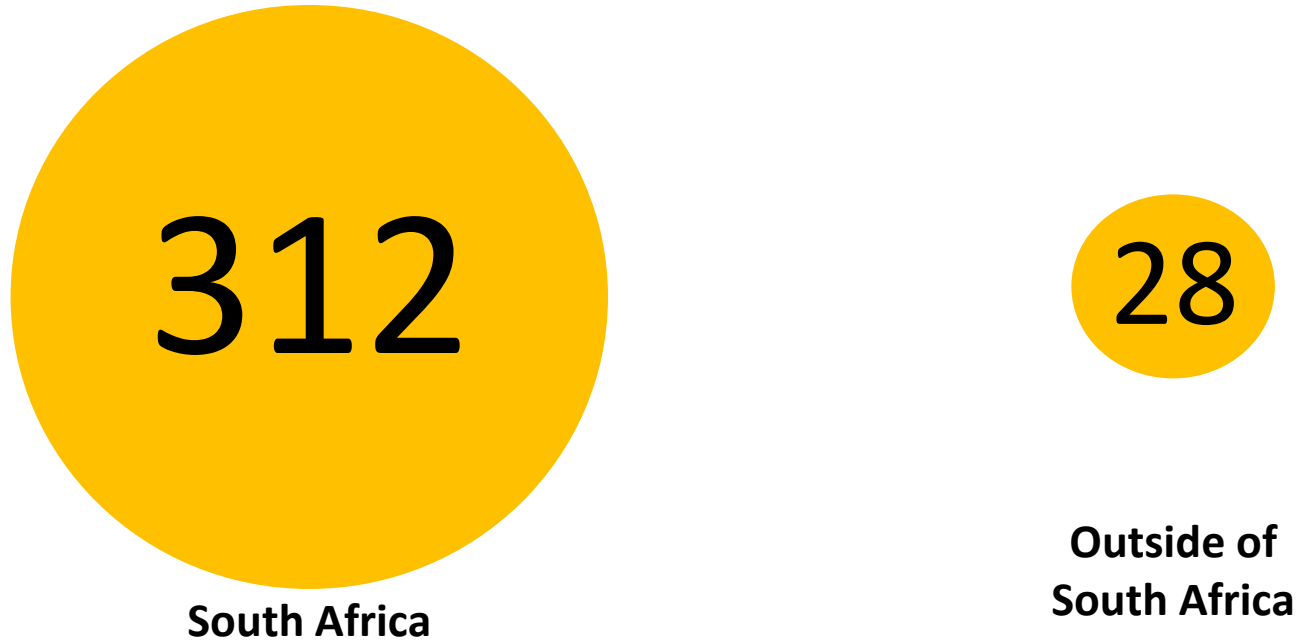
Uganda Pilot, 2008-2009



PEPFAR's flagship program for
laboratory system strengthening

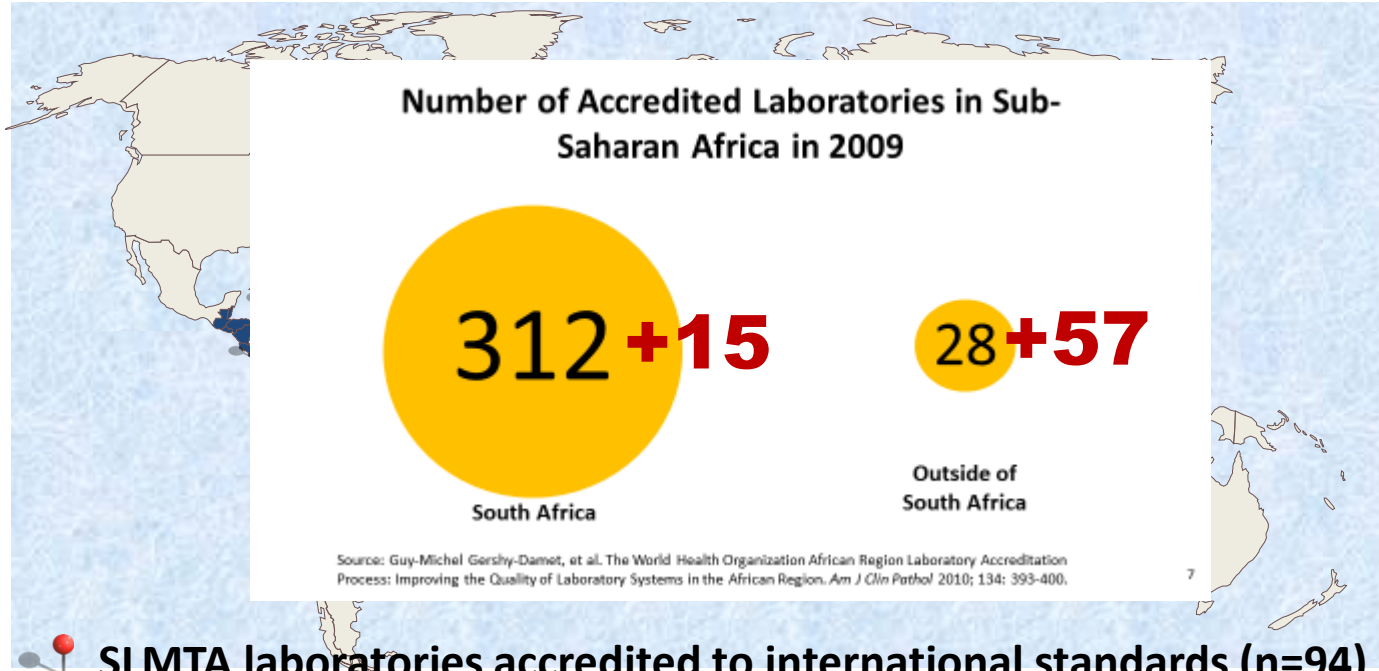
PEPFAR: The US President's Emergency Plan for
AIDS Relief

Number of Accredited Laboratories in Sub-Saharan Africa in 2009



Source: Guy-Michel Gershy-Damet, et al. The World Health Organization African Region Laboratory Accreditation Process: Improving the Quality of Laboratory Systems in the African Region. *Am J Clin Pathol* 2010; 134: 393-400.

Spread of the SLMTA program (1333 labs, 52 countries)



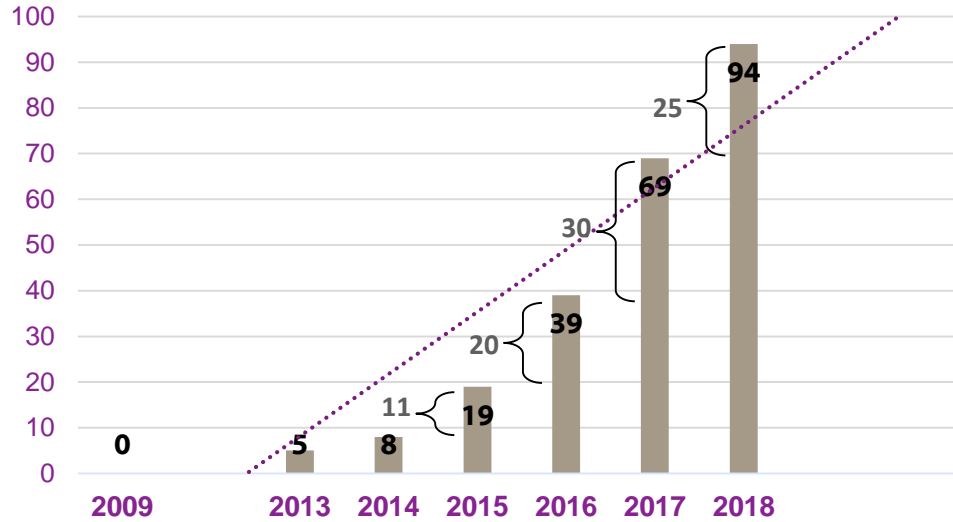
SLMTA laboratories accredited to international standards (n=94)

72/94 in Sub-Saharan Africa

- 57 outside South Africa
- 15 in South Africa

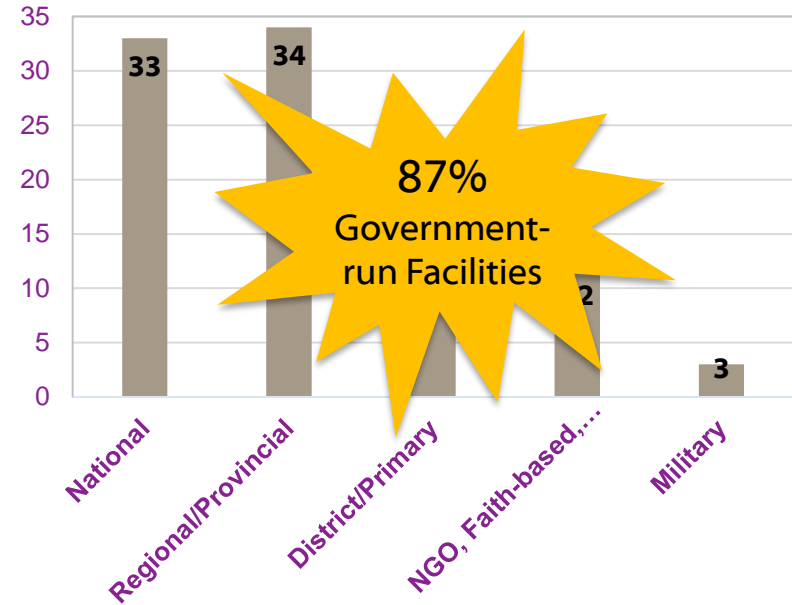
Rapid growth of the number of SLMTA laboratories accredited to international standards

Accumulated # SLMTA Labs Accredited



↑
**SLIPTA/SLMTA
launched**

Types of SLMTA Laboratories Accredited



SLMTA Quiz Time

[Pollev.com/nrl2018](https://pollev.com/nrl2018)



SLMTA Quiz

- 1 Which country has the highest number of SLMTA-enrolled laboratories that achieved accreditation to international standards? Quiz #1
- A. Ethiopia
 - B. Kenya
 - C. South Africa
 - D. Vietnam

SLMTA Quiz

2

Which country has the highest percentage of SLMTA-enrolled laboratories that have achieved accreditation to international standards? (# SLMTA labs accredited / total # SLMTA labs enrolled)

Quiz #2

- A. Ethiopia
- B. Kenya
- C. South Africa
- D. Vietnam

The SLMTA Ripple Effect

Hospital Quality Improvement

Malamulo Mission Hospital and Blantyre Adventist Hospital in Malawi

Indicator	Before	After
Out-patient process time	220 min	45 min
% rejected x-ray film	20%	15%
In-patient discharge process time	5 hours	0.5 hour
Turnaround time for repair maintenance requests	5 days	2 days
% lab tests done but not billed	23%	14%
% drugs administered or procedures performed but not billed	24%	12%

Source: Elde Paladar, SLMTA master trainer/mentor based in Malawi, 2016

SLMTA Quiz

3 What is SLMTA's biggest impact?

[Quiz #3](#)



What SLMTAs Said...

SLMTA has not only improved my lab, it has changed my life.

Lab manager, Cameroon

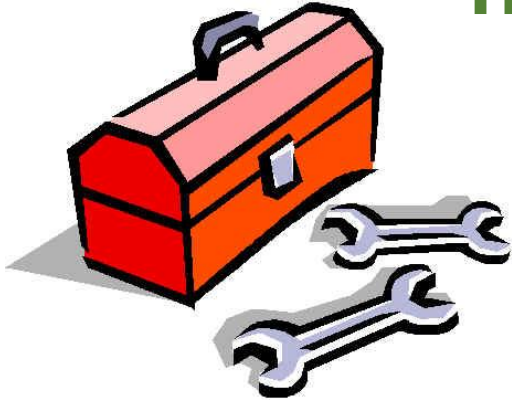
SLMTA has made me more ambitious. I now look forward to progressing in my profession.

Lab technician, Cameroon

My wife told me that I've become a better husband after I trained in SLMTA.

Lab mentor, India

The Continuous Improvement of the SLMTA Program

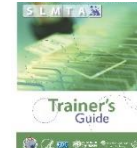


The SLMTA Toolkit

Siemens PEP Connect

- 48 on-line videos
- 14.5 hours total viewing

<https://pep.siemens-info.com/en-us/pepfar-qc-workshop>



SLMTA 1.0 (3-workshop series)

Training of Trainers¹
(2 weeks)



Statistical QC/MV
classroom² (9 days)

Statistical QC/ME
lecture video³



SLMTA 2 –
“Breakthrough”
Curriculum⁴ (6 days)

www.SLMTA.org
Website

¹ Collaboration with NHLS/ACILT

^{2,4} Collaboration with Roche-South Africa under Public Private Partnership

³ Collaboration with Siemens under Public Private Partnership

Upcoming New Course

Illuminating the Path to ISO 15189 Accreditation

(10-day Training of Trainers Workshop)



WHAT

- Updated/combined SLMTA 1.0 and 2.0
- Process-based approach to designing a cost-effective QMS that meets ISO15189 requirements

WHY - The laboratory landscape has changed; countries are now ready to go beyond SLIPTA stars

WHEN - May 13-24, 2019 at Roche Scientific Campus, Johannesburg, South Africa

Participants will learn to:

- Translate ISO15189 clauses into daily laboratory practice
- Recognize QMS as a whole and its interconnected processes
- Design and implement those processes for a cost-effective QMS that fulfills ISO15189 requirements
- Establish a practical QMS that enables laboratories to reach and sustain accreditation status

SLMTA Quiz

4 Where will SLMTA be in the next 10 years?



Thank you

For more information about SLMTA, go to www.SLMTA.org

The findings and conclusions in this report are those of the author(s) and do not necessarily represent the official position of the funding agencies

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