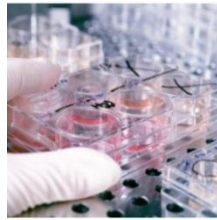




NATIONAL HEALTH
LABORATORY SERVICE



Title: South Africa's Country Program: Comparing SLMTA vs non-SLMTA Laboratories

Presenter: Patience Dabula

Date: 28 Nov 2014

Content

- Background
- Objectives
- Implementation of SLIPTA Checklist and SLMTA Tools
- Internal and ASLM SLIPTA Results
- Discussion
- Benefits
- Challenges

Background

- Accreditation of laboratories is costly
- Accreditation with the South African National accreditation Systems (SANAS)
- NHLS accreditation strategy
 - Academic and Regional laboratory
 - Internal accreditation system

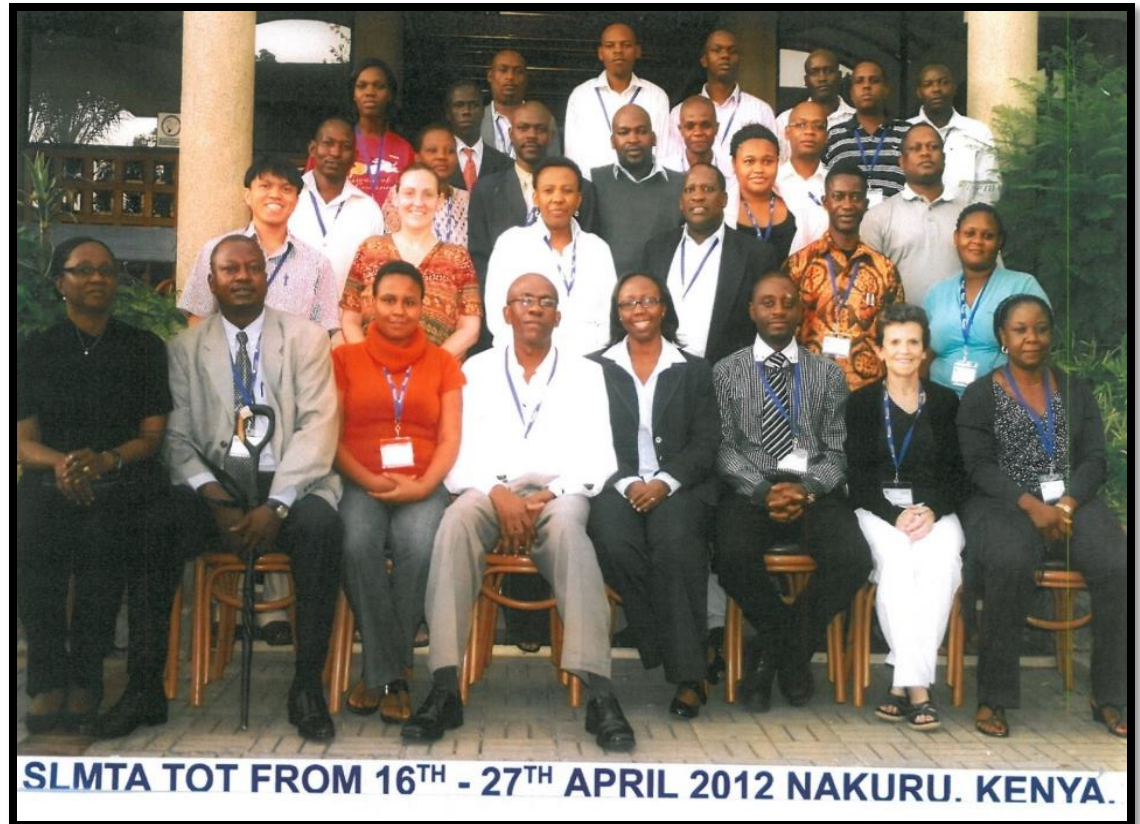
NHLS Accreditation status

106 laboratories in 25 facilities laboratories in 8/9 provinces

No.	Province	Laboratories	No. of Facilities
1.	Eastern Cape	East London, Livingstone, Mthatha, Port Elizabeth	4 (1)
2.	Free state	National Stat Lab, Universitas	2
3.	Gauteng	Braamfontein, Chris Hani Baragwanath, Charlotte Maxeke, Dr George Mukhari , NICD, NIOH, Tshwane Academic Division	7
4.	Kwazulu Natal	Addington, King Edward, Inkosi Albert Lithuli, Mahatma Gandhi	9 (1)
5.	Limpopo	Mankweng	1
6.	Mpumalanga	Witbank	1
7.	Western Cape	George, Greenpoint, Groote Schuur, Red Cross, Tygerberg	5
8.	North West	Rustenburg	1
	TOTAL		25 (27)

1st SLMTA Contact

- SLMTA Master Trainer –
 - Sibongile Zimuto
 - ACILT ToT
- Prof Wendy Stevens –
NHLS CEO about
SLMTA and availed
funds for TOT
- SLMTA ToT in Nakuru
Kenya in Country ToT –
Apr 2014



Objectives

- Implement SLMTA in South Africa (programme to improve QMS)
- Train Managers on leading laboratories towards accreditation
- Measure impact of SLMTA in laboratories (Compare SLMTA and Non SLMTA laboratories)
- Can SLMTA enhance rate towards accreditation

Method - 1

SLIPTA Focal Point

Nov 2012

Dr Yogan Pillay (Deputy Director General of Strategic Health Programmes for the South African Department of Health (DoH) appointed **Dr Frew Benson** (Chief Director of Communicable Diseases for DoH)

The Chief Executive Officer (CEO) of the NHLS Mr Sagie Pillay appointed **Patience Dabula** (National QA Manager) as the SLIPTA contact person



Method - 2

SLMTA Pilot Laboratories

No.	NHLS	NHLS/SLMTA	SLMTA
1.	Inkosi Albert Lithuli - Haematology	Kimberly	Letaba
2.	Inkosi Albert Lithuli - Cytology	Mafikeng	Lebowakgomo
3.	Inkosi Albert Lithuli - Histology	Nelspruit	Dundee
4.	King Edward – Microbiology	Northdale	Edenvale
5.	Pelonomi	Worcester	Natalspruit
6.	Prince Mshiyeni		Port Alfred
7.			Stanger

Method - 2

SLIPTA Auditor Training

1st - Dec 2012

Participants from 3 Countries

- 17 South Africans
- 1 Swaziland
- 1 Ethiopia



Stepwise Laboratory (Quality) Improvement Process Towards Accreditation (SLIPTA) Checklist

For Clinical and Public Health Laboratories

1.0 INTRODUCTION

Laboratory services are an essential component in the diagnosis and treatment of patients infected with the human immunodeficiency virus (HIV), malaria, *Mycobacterium tuberculosis* (TB), sexually transmitted diseases (STDs), and other infectious diseases. Presently, the laboratory infrastructure and test quality for all types of clinical laboratories remain in its nascent stages in most countries in Africa. Consequently, there is an urgent need to strengthen laboratory systems and services. The establishment of a process by which laboratories can achieve accreditation at international standards is an invaluable tool for countries to improve the quality of laboratory services.

In accordance with WHO's core functions of setting standards and building institutional capacity, WHO-AFRO has established the Stepwise Laboratory (Quality) Improvement Process Towards Accreditation (SLIPTA) to strengthen laboratory systems of its Member States. The Stepwise Laboratory (Quality) Improvement Process Towards Accreditation (SLIPTA) is a framework for improving quality of public health laboratories in developing countries to achieve ISO 15189 standards. It is a process that enables laboratories to develop and document their ability to detect, identify, and promptly report all diseases of public health significance that may be present in clinical specimens. This initiative was spearheaded by a number of critical resolutions, including Resolution AFRC56SR2 on Public Health Laboratory Strengthening, adopted by the Member States during the 53rd session of the Regional Committee in September 2008 in Yaoundé, Cameroon, and the Maputo Declaration to strengthen laboratory systems. This quality improvement process towards accreditation further provides a learning opportunity and pathway for continuous improvement, a mechanism for identifying resource and training needs, a measure of progress, and a link to the WHO-AFRO National Health Laboratory Service Networks.

Clinical, public health, and reference laboratories participating in the Stepwise Laboratory (Quality) Improvement Process Towards Accreditation (SLIPTA) are reviewed bi-annually. Recognition is given for the upcoming calendar year based on progress towards meeting requirements set by international standards and on laboratory performance during the 12 months preceding the SLIPTA

1



2nd - Feb 2014

Participants from 2 Countries

- 16 South Africans
- 7 Swaziland



SLIPTA Training Laboratories

Training 1: Witbank, Tambo Memorial, TB Reference Lab



Training 2: Chris Hani Baragwanath



Method -4

SLMTA In Country ToT

04 – 15 Mar 2013

Master Trainers



Participants

17 South Africans
2 Cameroon
2 South Sudan
1 Uganda
1 Zambia



Method -5

Workshop preparation meeting

Workshop 1 - May 2013, Workshop 2 - Aug 2013, Workshop 3 – Oct 2013

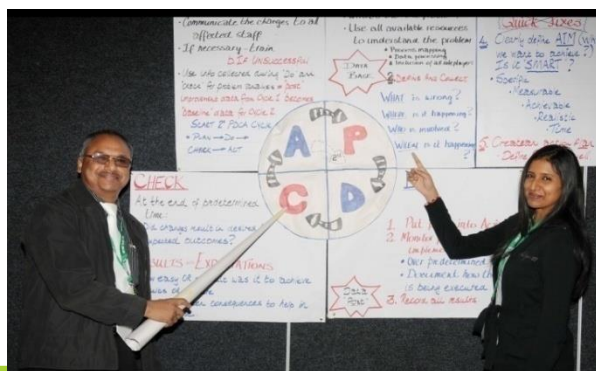


**Align content
with existing
NHLS systems**



Method -6 Workshops

WS No.	Dates	Trainers	Participants	IPs	CA
1	27 - 31 May 2013 3 - 7 Jun 2013	17	48	37	20
2	02 - 06 Sep 2013 09 - 13 Sep 2013	16	47	36	27
3	02 - 06 Dec 2013 13 - 17 Jan 2014	12	41	17	3



Results – 1

SLIPTA Training ToT

100 % pass rate in both training (17/17 Training 1, 16/16 Training 2)

33 NHLS SLIPTA 8 ASLM Auditors and 2 SLIPTA Trainers

- 1. Esther Tsheola**
2. Kgaogelo Mailula
3. Nicola Godfrey
- 4. Preethamber Ganputh**
5. Ockert Bosch
6. Sarvashni Moodliar
7. Stephina Nyoka
8. Xolisa Madikane

Results – 2

SLMTA ToT

- **Results:** 94% (16/17) Pass rate in SA participants
- **5 potential Master Trainers:** 1 Cameroon

South African Master Trainers



Janet Scholtz

Uganda

Aug 2014



Preethamber Ganputh

SA In Country

Sep 2014



Esther Tsheola

Uganda

Aug 2014



Roy McFarlane

SA In Country

Sep 2014

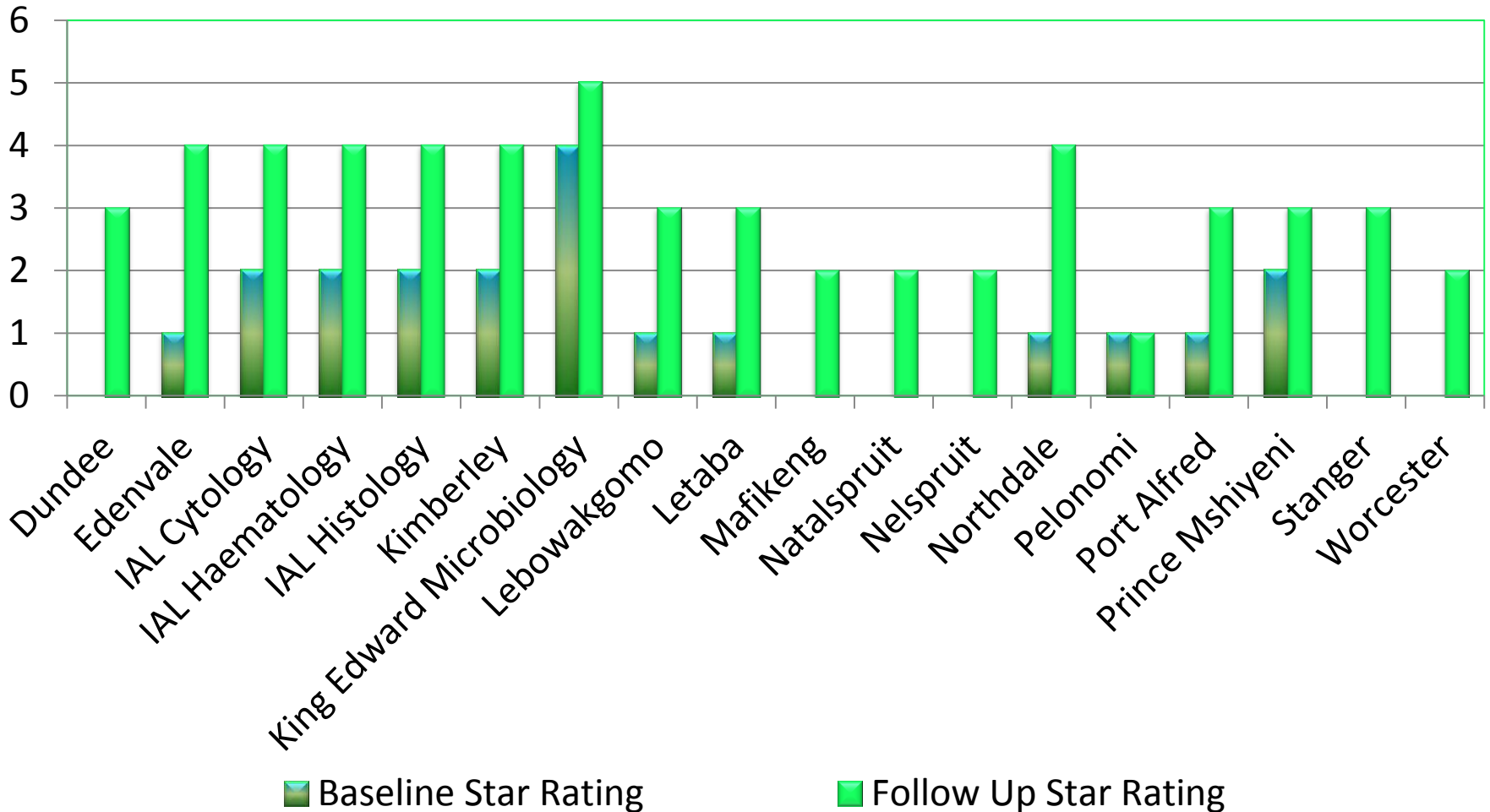


Results – 3

Internal SLIPTA audit results

Is there an improvement?

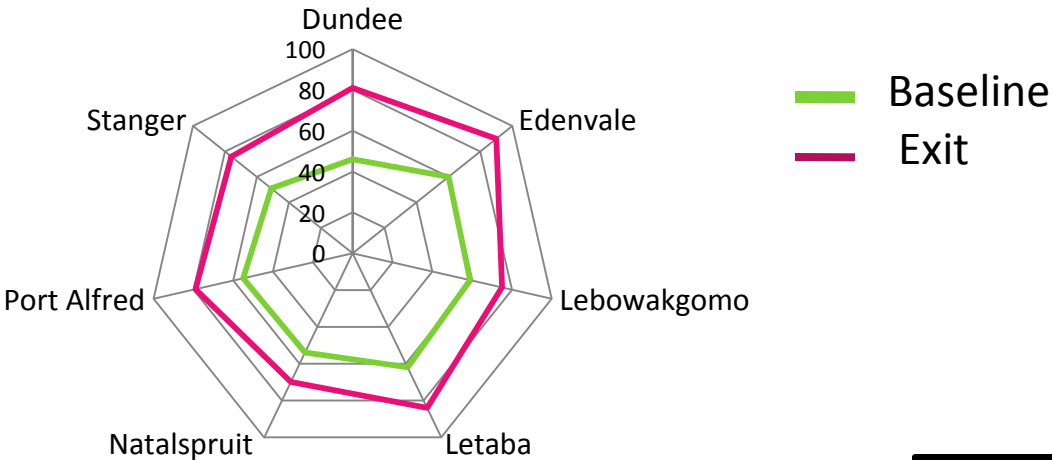
Baseline Mar – May 2013 Exit Apr - May 2014



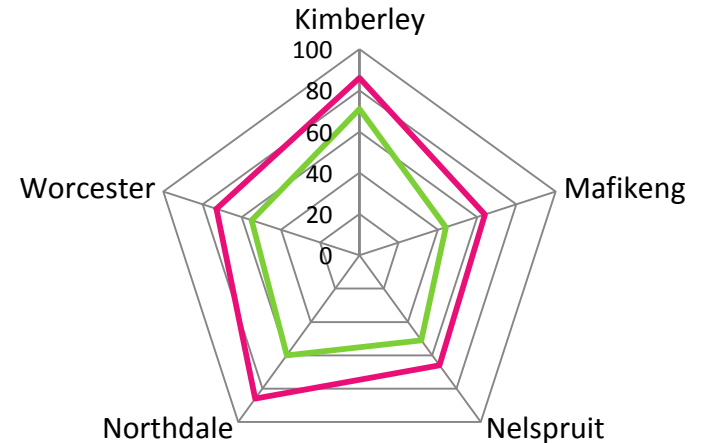
Results – 3 --Internal SLIPTA audit results

Baseline Mar – May 2013 Exit Apr - May 2014

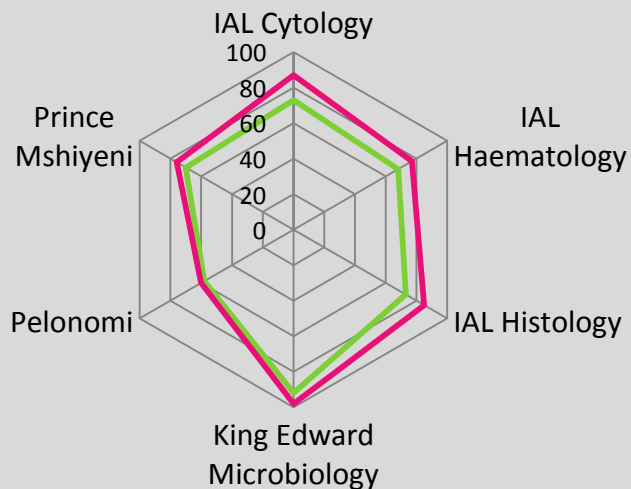
Group A - SLMTA Only



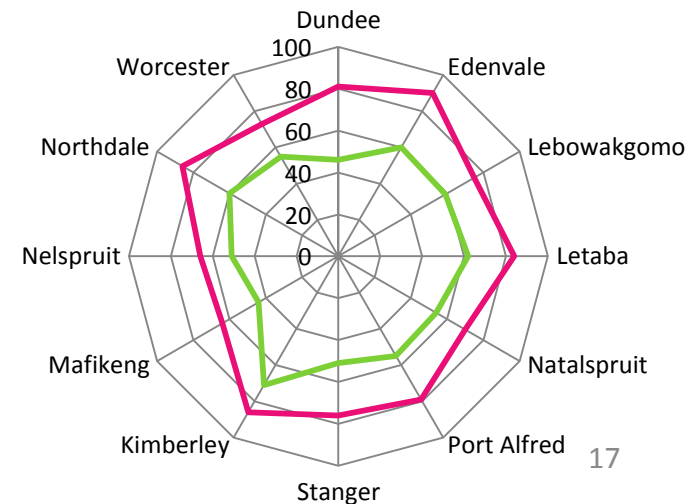
Group B - NHLS + SLMTA



Group C - NHLS

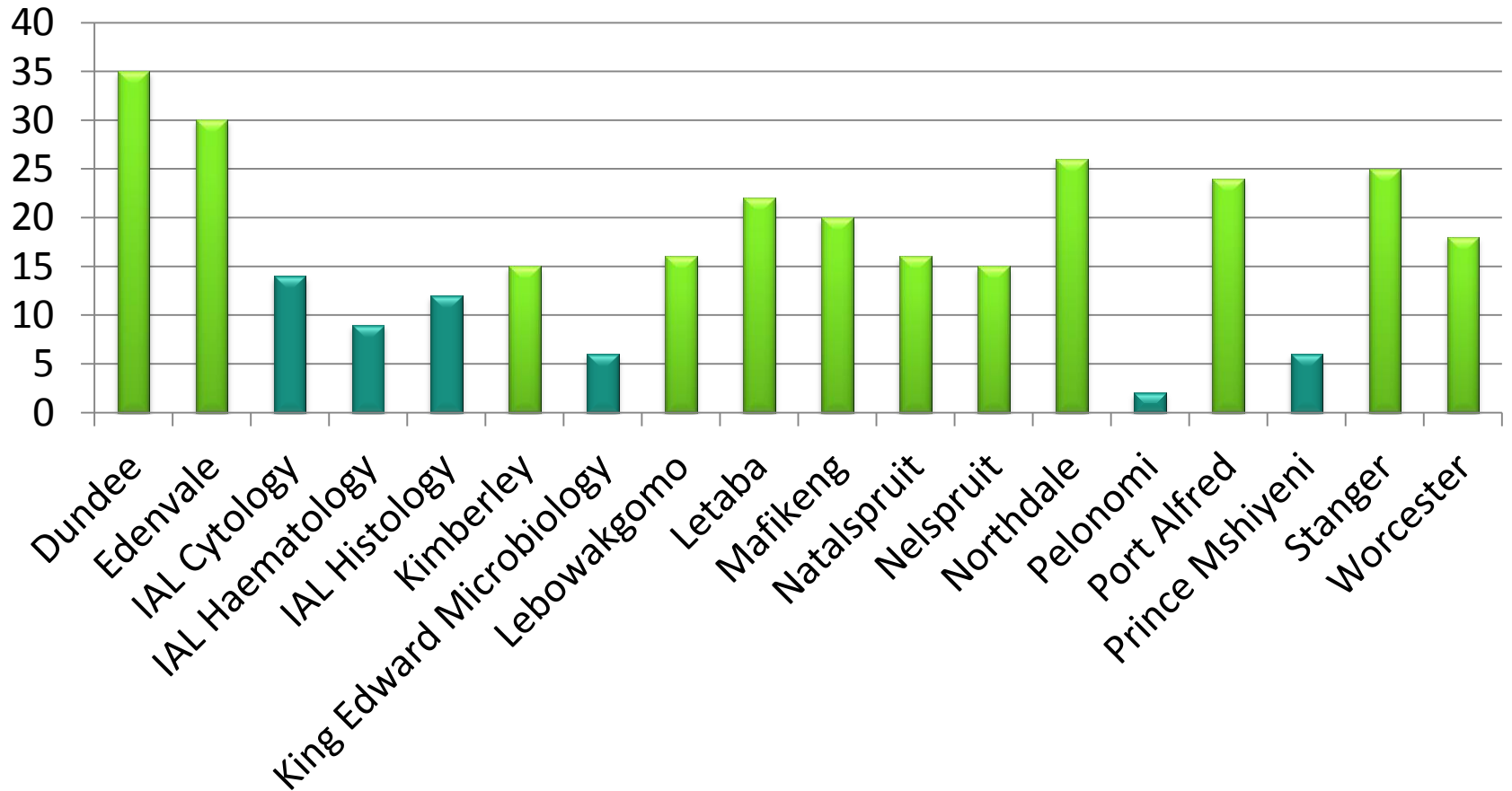


Group A & B





Laboratory difference %



ASLM SLIPTA AUDITS

14 – 24 Jul 2014

Laboratories from 73% and higher

CDC Sings the SLMTA song with NHLS
NHLS Northdale laboratory achieves 5 star after SLIPTA audit



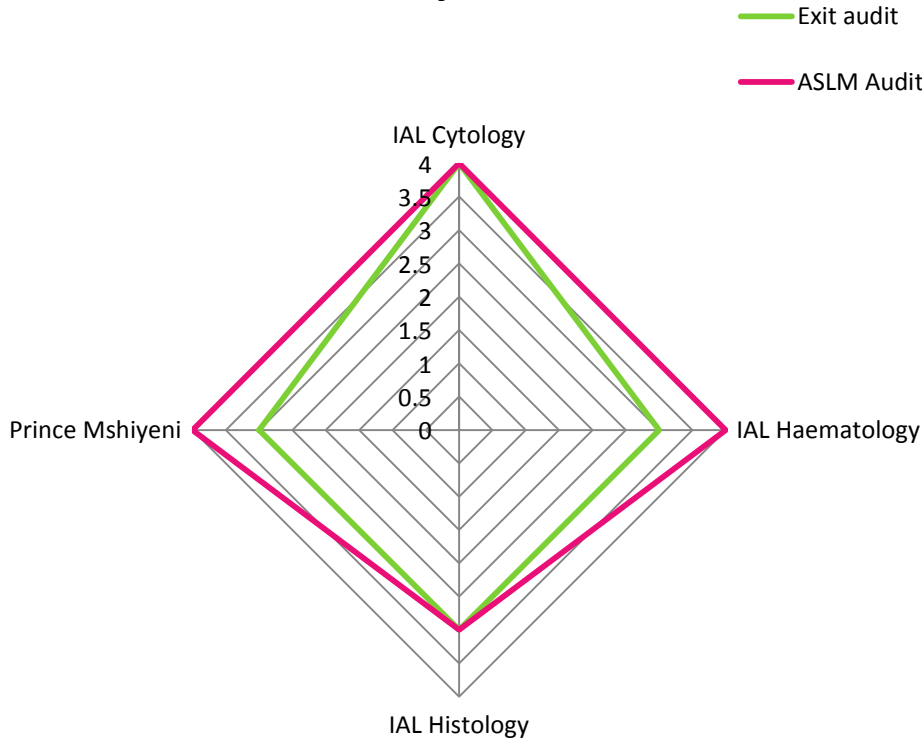


ASLM SLIPTA AUDITS

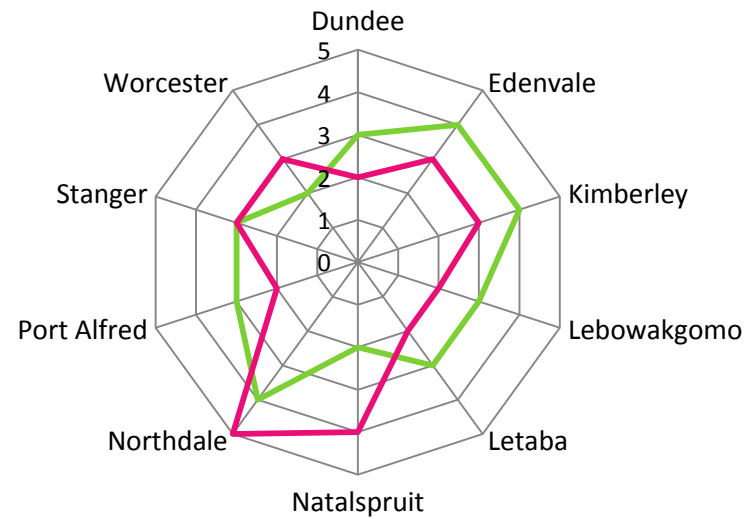
14 – 24 Jul 2014

Is the 5 star lab ready for accreditation?

NHLS only



SLMTA combination



Discussion and Conclusion



SLMTA introduced in South Africa

Managers and Trainers equipped on guiding laboratories towards accreditation

Exit audit results show laboratories on the SLMTA programme performing better than non SLMTA laboratories

Accreditation progress improved

Laboratories with low baseline scores have more room for improvement

Placebo effect on laboratories in the control group

Challenges

- Trainers availability
 - Other commitments
 - Non performance lead to reduction in the number of Trainers
 - Resignations

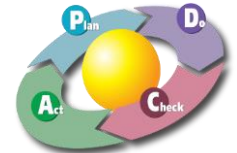
- Participants
 - IPs not always completed in three months
 - Not available for other workshops
 - Resignations

- Programme
 - Availability of both Trainers and Auditors
 - Time away from other activities
 - Deviations in SLMTA visit

Benefits

■ Improvement in NHLS operations

- QIM in all NHLS laboratories
- IPs given in Non SLMTA courses
- Improve training methods
- National QA Meetings address performance and identify improvements
- PDCA to address continual improvement in ISO 15189 clause 4.12



■ Additional Training

- Microbiology workshop both SLMTA and control laboratories
- SLMTA Modules trained to over 250 Managers
 - ✓ PDCA
 - ✓ Balanced Scorecard
 - ✓ Redesigning workflow
- ISO 15189:2012 – Total 201 including Senior Managers



Acknowledgements

- NHLS Management
- Mr Talkmore Maruta
- ACILT
- NHLS QA Managers
- SLMTA Trainers
- SLIPTA Auditors
- SLMTA Staff
- Participants
- This activity is supported by NHLS and the President's Emergency Plan for AIDS Relief (PEPFAR) through the Centers for Disease Control and Prevention (CDC) under the terms of [5U2GPS001328].



**WE CAN
DO IT!**

**WE CAN DO MORE
WHEN WE WORK
TOGETHER**





The End

Thank you
Ke a Leboga

Ndo Livhuwa
Ndza Khensa

Asante Sana
Ngiyabonga

E Nkosi
Dankie

Merci beaucoup
Grazie

Obrigado