



Challenges facing implementation of SLMTA Program in blood transfusion service in Kenya

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Dec 1 2014



Background

- National coordinating office in Nairobi
- 6 Regional Blood transfusion Centres
- 11 Satellites





Differences

	Blood Transfusion Service	Clinical/ Public Health Laboratory
Pre Analytics	<ul style="list-style-type: none"> • Awareness and Mobilization • Donor Selection and counselling • Blood collection 	<ul style="list-style-type: none"> • Test selection • Patient preparation • Sample collection, transport & handling
Analytics	<ul style="list-style-type: none"> • Donation testing (TTIs) & Grouping • Preparation of blood component (Manufacturing) 	<ul style="list-style-type: none"> • Sample testing
Post-analytics	<ul style="list-style-type: none"> • Issue of compatible blood • Blood Administration • Haemovigilance 	<ul style="list-style-type: none"> • Test reporting • Test results issuance for utilization



Quality systems for blood transfusion service

- ❖ To ensure safety and availability of blood, a quality system should cover all aspects of transfusion process (Vein to vein)

- ❖ SLMTA was endorsed as the process to be used towards vein to vein quality system in KNBTS

- ❖ Rationale for using SLMTA
 - ✓ has significant management component applicable to BTS
 - ✓ BTS has laboratory and other aspects that would benefit from SLMTA



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Kenya National Blood
Transfusion Service

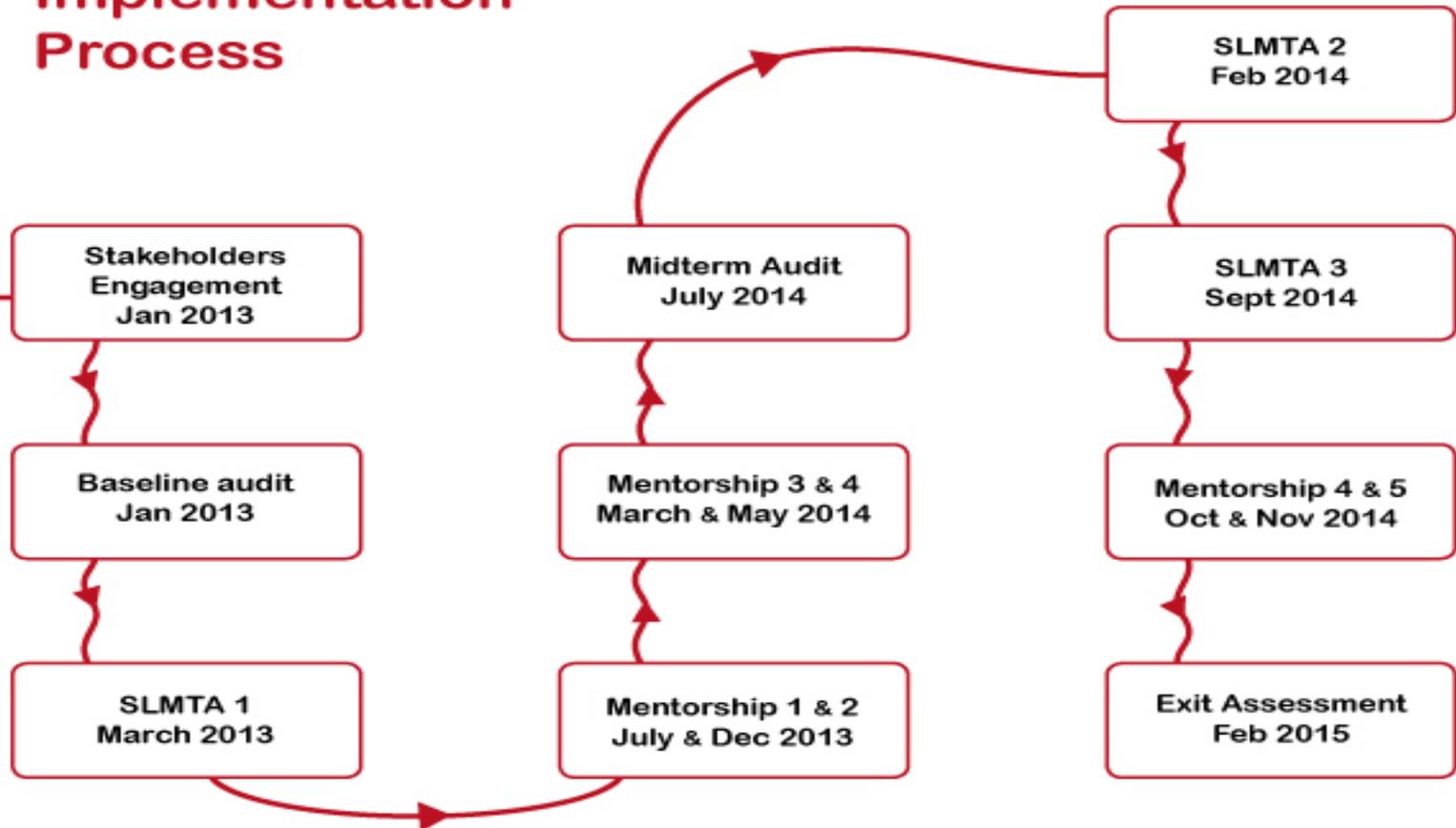
It's safe and it saves.



Regional Society for
Blood Transfusion Kenya

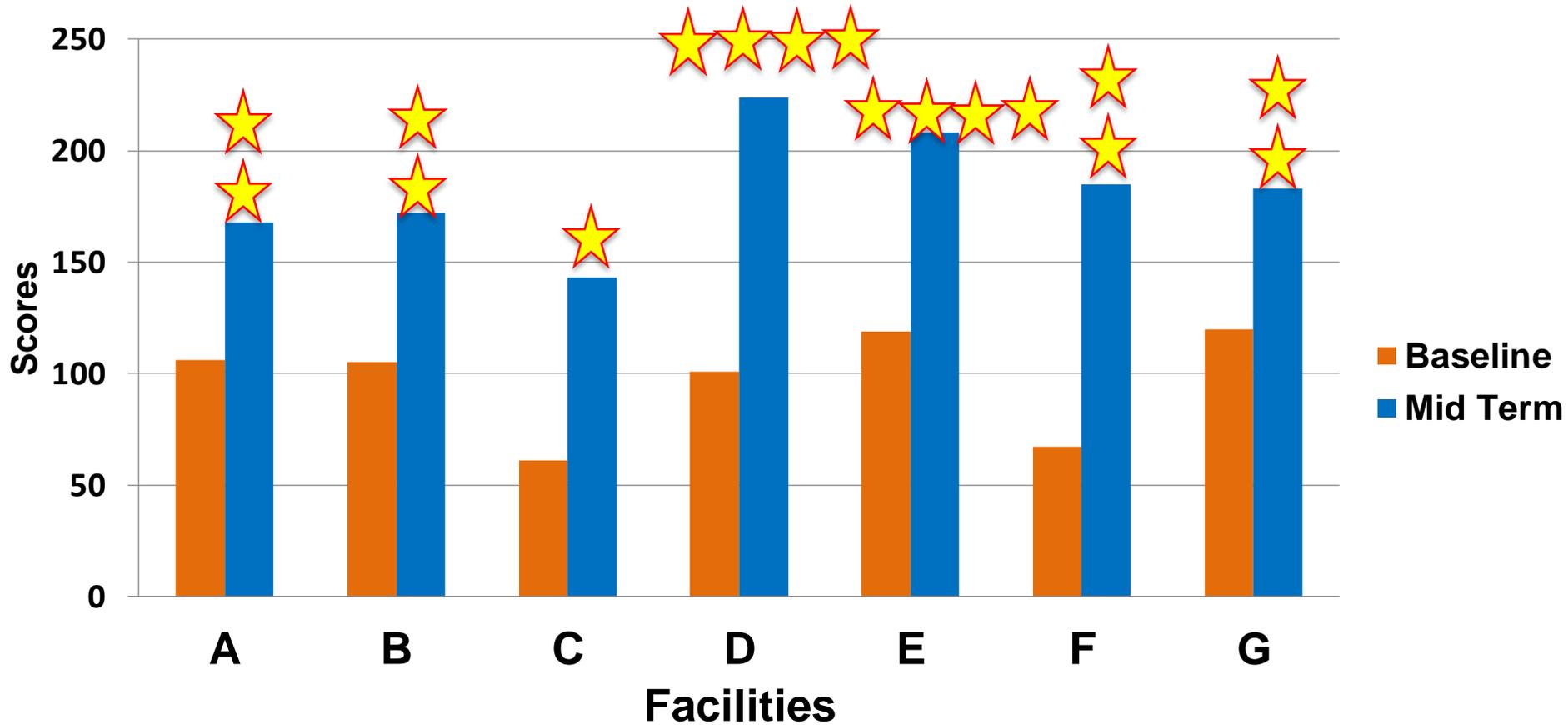


SLMTA Implementation Process



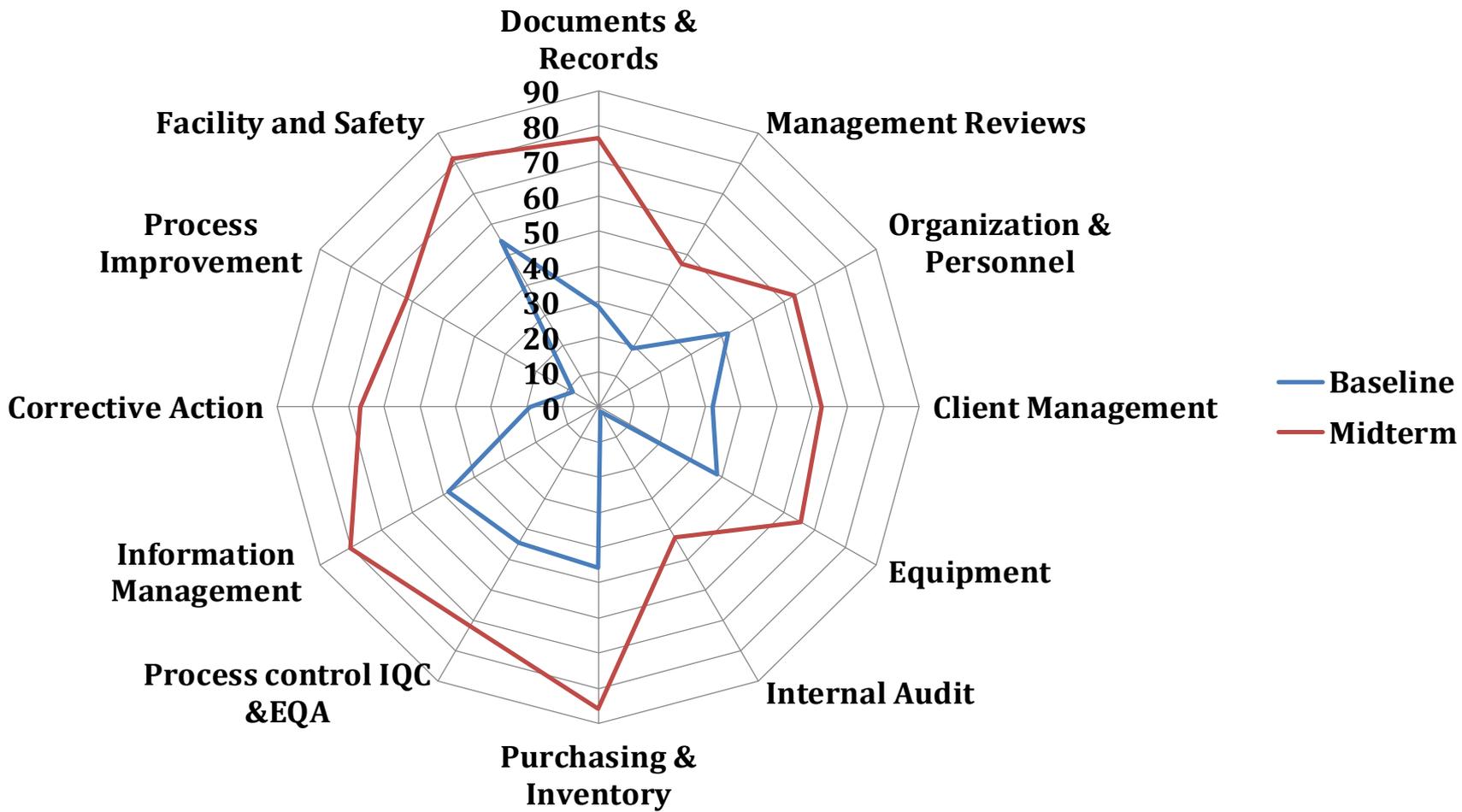


Results for Baseline and Midterm Audits





Improvements





Challenges faced in implementing SLMTA

1. SLMTA Training Toolkit Content
2. Target group
3. Implementation challenges
4. National level challenges
5. Facility level/Individual level



SLMTA Training Toolkit Content

Donor

- Mobilization & Recruitment
- Donor Screening
- Hygienic Blood Collection
- Donor Reactions
- Donor Counseling

Testing

- TTI Testing
- Grouping
- Test Results
- Traceability (Test Tube to Results)

**SLMTA
Main focus**

Component Production, Storage, Issue, Transfusion

- Sterile Component Production
- Proper Storage (Cold Chain Mgt)
- Product labeling
- Issuing of Transfusable Product
- Blood Administration
- Transfusion Reactions
- Hemovigilance



Target Group

- ❖ SLMTA Target group is mainly clinical, public health labs
 - ✓ Laboratory Management
 - ✓ Laboratory technologist
- ❖ BTS involves other cadres
 - ✓ Nurses
 - ✓ Recruiters
 - ✓ Non Medical Managers
- ❖ There was need to customize learning activities during the workshops to suit the scope of services/ other cadres



Implementation pathway

Audits

Lack of enough trained auditors with a wholistic understanding of the entire blood transfusion service

Workshops

Learning activities needed customization to suit scope of service of blood transfusion

Mentorship

Inadequate mentors experienced in blood transfusion activities



Facility level/individual challenges

- ❖ Staff adapting to the culture of quality- Documentation, audits, continuous improvement
- ❖ Some staff considered SLMTA as additional work
- ❖ In some facilities, SLMTA was considered a laboratory affair by other departments
- ❖ Coordination of all the facility departments to ensure they are implementing the required quality measures



National level challenges

- ❖ Delays in KNBTS strategic plan, Policy and guideline making, adoption and dissemination
- ❖ Insufficient financial resources to address emerging gaps- Major funding mechanism PEPFAR (80%), funding lines had prior determination
- ❖ Equipment maintenance and calibration



Outcome of SLMTA

- SLMTA has helped to improve overall quality of services provided
- Working environment is safer
- Staff more motivated and committed to their work-
increased blood collection
- Improved TAT (lab, donor clinic, blood issue)



Recommendations

- Adoption of KNBTS strategic plan where SLMTA is anchored
- Orient SLMTA TOT, mentors and assessors on blood transfusion service
- Make reference to other BTS accreditation standards/guidelines (AFSBT, AABB etc.) during trainings
- Obtain buy in at highest level to ensure ownership and compliance at facility level



Acknowledgement

- PEPFAR
- CDC
- KNBTS
- RSBTK
- Global communities (Cooperative No- U2GPS001992)
- ASLM



Thank you