

### SLMTA RETURN ON INVESTMENT FOR FINANCE MANAGERS

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#### A GLOBAL HEALTHCARE PUBLIC FOUNDATION

#### THE FOUNDATION:

Non-for-profit US based Organization

Regional offices in Kenya and Uganda providing technical assistance in over 10 African countries. LABORATORY CAPACITY DEVELOPMENT

Work Plans

**Road Maps** 

Mentorships

**Trainings** 

**Mock Assessments** 

#### **ACHIEVEMENTS:**

8 ACCREDITED

LABORATORIES

1 CAP

6 ISO 15189

1 ISO 17025

2 In Waiting







Hospital investment in diagnostic medicine through SLMTA noted that **Laboratory Return on Investment** (LROI) can be valued in a number of key measureable points such as;

- Reduced donor funds to support laboratory quality improvement systems
- Laboratories are able to support their own enrollment in EQA schemes
- Laboratory relationship with clients improve
- Laboratory becomes hospital "cash cow"



✓ ROI has traditionally been measured as

a ratio of financial gains divided by improvement investment cost (ROI = FG/IIC).

OR

✓ ROI = Total Returns ÷ Total Investment



# 2 Method



- R**SLMTA**e**Returnwhylofvæstenent**o**Questioninaine**nth p**Eirdyds**(vide esarith the sellostim TATaimplementation)
- How many tests were reported between?
   Used a questionnaire to collect data from finance July 2010-December 2010 (Before SLMTA) and laboratory managers.
- January 2011-June 2011 (During SLMTA)

   Did not use institutions in which capital expense had be humbered Reduces 2013 (Post SLMTA)



#### ROI= Total Returns/ Total Investment

#### <u>Implementation cost</u>

Category of Cost		Plan ning and development	Training	Start up	Maintenance	Total cost
QSE 1						
	,					
QSE 12						
Total						



### Financial effects of Implementation action

Category cost		A Comparison period	B Implementation period	Net change
QSE 1		2010 (pre)	2012 (post)	(B-A)
<b>*</b>				
QSE 12				
Total				



# 3 Results



	Lab A- Referral lab	Lab B- County Lab			
Numb	er of tests rep	orted			
Pre QI	675,000	53,000			
Post QI	945,000	120,032			
Re	jected sampl	es			
Pre QI	5,500	No data			
Post QI	900	57			
Clinician meetings					
Pre QI	6	0			
Post QI	6	3			
Number of SOPs					
Pre QI	10	0			
Post QI	30	108			

		Lab A	Lab B		
		Referral lab	County Lab		
	Compe	etency Assessn	nent		
Pre	QI	0	0		
Post	QI	14 (All)	15 (all)		
	Continuo	us Medical Edi	ucation		
Pre	QI	0	0		
Doot	QI	3	Weekly		
rost		(bi-monthly)			
Number of staff					
Pre	QI	8	15		
Post	QI	11	14		
Revenue flow (USD)					
Pre	QI	45,974	6,896		
Post	QI	74,712	62,068		

<sup>\*</sup> Pre and post QI data collected over a period of 6 months



### ROI= Total Returns/ Total Investment Implementation cost

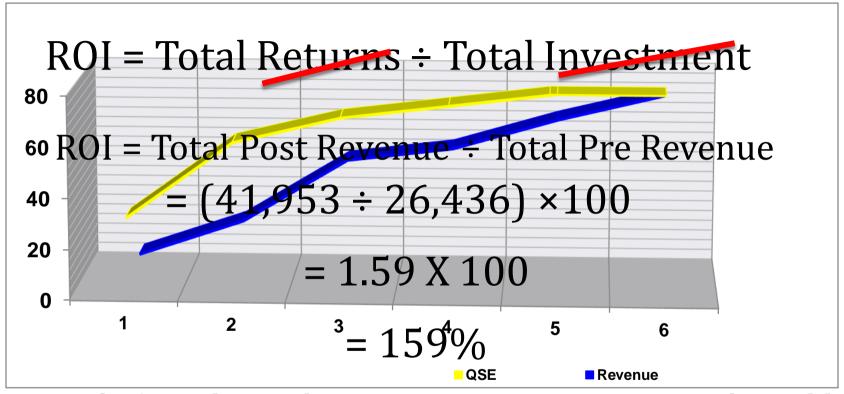
Category of Cost		Planning and development	Training	Start up	Maintenance	Total cost USD
QSE 1						
	,					
QSE 12						
Total (Revenue)						26,435



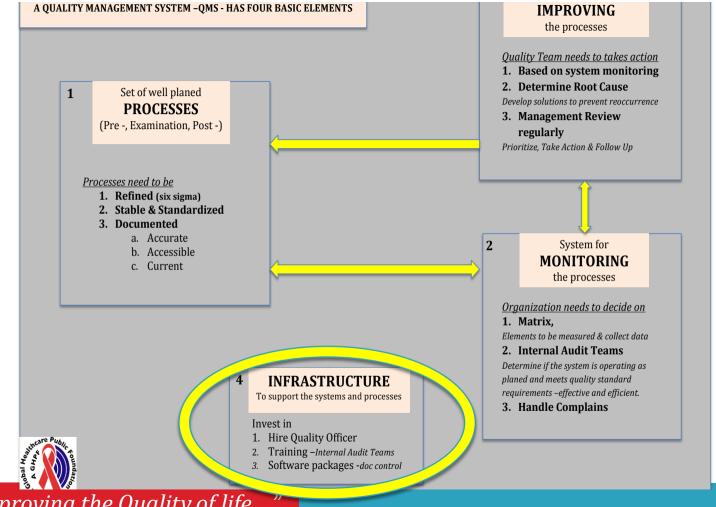
#### Financial effects of Implementation action

Category cost		A Comparison period	B Implementation period	Net change
QSE 1		2010	2012	(B-A)
QS <mark>T</mark> /12				
Total (Revenue)		26,435	68,390	41,955





The ROI of 159% shows the investment gains compares favorably to the cost of implementing SLMTA in a laboratory





## Limitation



- Sample size was limited to two institutions
- Labs were at different phases of implementation
- Financial data was not easily available
- Funds from different implementing partners was not factored



### 5 Conclusion



Patient wait time in ER ↓ 83%

Service interruption decatefults 45 85%

Staff punctuality 1nfe₹‰n rate ↓ 83% Reagent wastage I from \$18,000 to \$40% Hospital revenue ↑25% Equipment repairs needed ↓ 63% Turnamentalitation of the Turnament of t Patient satisfaction 个 80%

#### **THANK YOU**

- → ASLM
- ♦ CDC
- ♦ SLMTA Labs
- ♦ All

Conference

**Participants** 

♦ The

Foundation'





