



USAID
FROM THE AMERICAN PEOPLE

TB CARE I

TB CARE I - Botswana

**Year 2
Quarterly Report
July-September 2012**

October 30, 2012

Quarterly Overview

Reporting Country	Botswana
Lead Partner	KNCV
Collaborating Partners	-
Date Report Sent	
From	Obert Kachuwaire
To	Ms. Joan LaRosa (USAID Director Botswana)
Reporting Period	July-September 2012

Technical Areas	% Completion
1. Universal and Early Access	80%
2. Laboratories	93%
Overall work plan completion	87%

Most Significant Achievements

The Transitional Funding Mechanism proposal supported by the local staff (Dr Diriba Agegnehu and Obert Kachuwaire), budget expert (Mr. David Masengu) and international consultant (Dr Jerod Scholten) for Botswana has been approved. The funds are to provide much needed support for community TB care (CTBC) and Monitoring and Evaluation activities of the Botswana NTP which would have stopped if no funding was identified.

Through TB CARE I technical input and partner collaboration 10 (6 Male, 4 Female) laboratory technicians were trained in LED Fluorescent Microscopy in July 2012. Validation of the Fluorescent microscopy has been completed at 9 out of 11 pilot sites and will be used routinely for diagnosis in the next quarter.

The in-country Senior technical Advisor facilitated the finalization of the PPM framework for TB care.

The harmonized TB, TB/HIV and Leprosy national training material (developed last quarter) and the PPM framework tools are being used to train both public officers in the Ministry of Health and the private practitioners involved in TB control. 53 health care workers from private sectors (38 physicians, 8 pharmacists, 4 nurses, 2 pharmacy technicians and 2 pharmacy attendants) have been trained this quarter. The trainees are beginning to implement what they're learning from the training now.

As part of the Capacity building and skills transfer to local staff strategy through TB CARE I core projects funding two NTP staff were sent to the Rwanda Center of Excellence for a PMDT and Laboratory courses. This is expected to help with the sustainability strategy of TB CARE I.

Overall work plan implementation status

87%

Technical and administrative challenges

Due to a new funding stream which has procurement hurdles, challenges in organization of training for LED microscopy have been identified. TB CARE I with the NTP will work closely to ensure that the procurement challenges are resolved training for 30 laboratory technicians is planned for APA 3.

In-country Global Fund status and update

TB CARE I has been supporting the Transitional Funding Mechanism proposal and this has been approved. TB CARE I continued to provide support for the provision of feedback to global Fund and the Grant negotiation phase.

Quarterly Technical Outcome Report

Technical Area 1. Universal and Early Access		Baseline		Target		Result	Highlights of the Quarter	Challenges and Next Steps to Reach the Target
Expected Outcomes	Outcome Indicators	Data	Year	Data	Year	Y1		
1.2 Increased quality of TB services delivered among all care providers (Supply)	1.2.4 CB-DOTS program is implemented Indicator Value: Score (0-3) based on definition.	2	2011	3	2014	2	The in-country Senior Technical Advisor facilitated the harmonization of different recording and reporting tools for CTBC and conducted district support visit to 9 Facilities in the Kweneng area which also focused on CTBC.	Challenges in funding for CTBC activities due to cancellation of Global fund and inadequate funds in-country decreased coverage targets for CTBC. In APA 3 the In country Senior Technical Advisor will continue to focus on CTBC roll out from 61% to 90% of the country according to NTP targets and also strengthening the NTP with provision of technical support in the 6 technical areas of the STOP TB Strategy.

Technical Area 2. Laboratories		Baseline		Target		Result	Highlights of the Quarter	Challenges and Next Steps to Reach the Target
Expected Outcomes	Outcome Indicators	Data	Year	Data	Year	Y1		
2.1 Ensured capacity, availability and quality of laboratory testing in country needed to support the diagnosis and monitoring of TB patients	2.1.2 Laboratories with working internal and external quality assurance programs for tests that they provide including: a) smear microscopy, b) culture, c) DST, and d) rapid molecular test Indicator Value: Percent Numerator: Number of laboratories enrolled in EQA program meeting description above both nationwide and TB CARE areas. Denominator: All laboratories (national and TB CARE areas separately) that perform one or more of the above TB diagnostics.	(52/52 labs) 100%	2011	(52/52 labs) 100%	2012	(52/52 labs) 100%	Blinded rechecking for light microscopy continues. Reports for the second quarter of 2012 were released with the 3 months reporting period.	Blinded Rechecking continues for all sites, including the sites implementing LED microscopy as routine test in APA 3. Panel tests for smear microscopy will be sent to all facilities first quarter of APA 3. A summary of yearly results will be available at the end of the first quarter of APA3.
	2.1.3 Accreditation of NTRL by SANAS Indicator Value: Yes/No Level: Central Source: TB CARE Means of Verification: Accreditation	No	2011	Yes	2012	Yes	Preparation for SANAS follow-up assessment done. The initial visit planned for August was rescheduled to October 4 2012.	NRL awaits surveillance assessment visit from SANAS now scheduled for October 2012.

<p>2.3 Ensured optimal use of new approaches to the laboratory confirmation of TB and incorporation in national strategic lab plans</p>	<p>2.3.1 New technologies have been introduced Indicator Value: Number for each technique below by Central, Provincial, district and Peripheral levels</p> <ol style="list-style-type: none"> 1. TB culture 2. First line DST 3. Second-line DST 4. HAIN MTBDRplus 5. GeneXpert 6. LED microscopy 	<p>0</p>	<p>2011</p>	<p>1-TB Culture/ central 1-First Line DST/ central 1-Sec Line DST/ Central 1-LED/ Central 9-LED/ District</p>	<p>2012</p>	<p>1 TB Culture/ central 1 First Line DST/ central 1 Second Line DST/ Central 1 LED/ Central 10 LED/District</p>	<p>LED microscopy introduced to one additional high volume laboratory in the country. Validation of FLD and SLD DST continues after recommendations from Regional Laboratory consultant on the improving the process. LPA validation awaits confirmatory results.</p>	<p>LED microscopy will be in routine use during first quarter of APA 3. Support will be provided to facilities through on site visits by EQA staff from the NTRL. Expiry of reagents for FLD and SLD validation will cause a challenge to the timely completion of the validation process. Through recommendations from the TA visit from The Regional Laboratory Consultant a committee has been set up involving the NTRL and partners which is expected to increase buy in of the validation process.</p>
---	---	----------	-------------	---	-------------	--	---	--

Quarterly Activity Plan Report

1. Universal and Early Access			Activity	Approved Budget	Cumulative Completion	Planned Completion		Cumulative Progress and Deliverables up-to-date
Outcome	Activity #	Activity				Month	Year	
1.2 Increased quality of TB services delivered among all care providers (Supply)	1.1.1	Enhanced community DOTS implementation plan developed and rolled out	KNCV	18,882	 80%	Sep	2012	Recording and Reporting tools for CTBC revised and harmonized. Training materials for TB, TB/HIV harmonized, PPM tools finalized. 53 Health Care Workers trained. 3 district support visits conducted and 23 facilities visited.
					 80%			

2. Laboratories			Activity	Approved Budget	Cumulative Completion	Planned Completion		Cumulative Progress and Deliverables up-to-date
Outcome	Activity #	Activity				Month	Year	
2.1 Ensured capacity, availability and quality of laboratory testing in country needed to support the diagnosis and monitoring of TB patients	2.1.1	Training of laboratory technicians to AFB smear microscopy and conducting external quality assurance through technical input into course and into EQA program	KNCV	10,263	 100%	Sep	2012	20 Laboratory technicians (10 male and 10 females) were trained in LED FM microscopy. Panel tests sent to participating LED sites and validation has been completed at 9 of the 11 sites.
	2.1.2	Acquire and maintain SANAS Accreditation of National TB Reference Laboratory through technical input into accreditation	KNCV	7,500	 100%	Sep	2012	Botswana NTRL has received its official accreditation certificate from the South Africa National Accreditation Systems(SANAS) after closing of identified gaps.
Outcome	Activity #	Activity	Activity	Approved Budget	Cumulative Completion	Month	Year	Cumulative Progress and Deliverables up-to-date
2.3 Ensured optimal use of new approaches to the laboratory confirmation of TB and incorporation in national strategic lab plans	2.3.1	Finalized validation of MGIT DST for 1st line drugs and begin validation for second line testing through bi-annual regional TA	KNCV	10,110	 80%	Sep	2012	Regional Laboratory consultant supported the evaluation of the validation process for the new testing methods. Recommendations from the report have been implemented at the NRL with the formation of a committee involving multi partners working within the laboratory.
					 93%			

Quarterly MDR-TB Report

Country	Botswana
---------	----------

Period	July-September 2012
--------	---------------------

MDR TB cases diagnosed and put on treatment in country

Quarter	Number of MDR cases diagnosed	Number of MDR cases put on treatment
Jan-Dec 2010	106	92
Jan-Sep 2011	30	0
Oct-Dec 2011	16	44
Total 2011	46	44
Jan-Mar 2012	21	18
Apr-Jun 2012	16	16
Jul-Sep 2012	Not yet available	Not yet available
To date in 2012	37	34

Quarterly GeneXpert Report

Country	Botswana
---------	----------

Period	July-September 2012
--------	---------------------

Table 1: GeneXpert instruments and cartridges procured or planned by quarter with TB CARE I funds

	Procured			# still planned for procurement in APA 2	Month, Year procurement planned (i.e. April 2012)
	Jan-Dec 2011	Jan-Sept 2012	Cumulative total		
# GeneXpert Instruments	0		0	0	
# Cartridges	0		0	0	

Table 2: Cumulative List of GeneXpert Instruments Procured to Date or Planned in the Next Quarter (TB CARE I-funded)

Already procured or still planned? (i.e. Write "Procured" or "Planned")	Instrument	# of Modules (1, 2, 4, or 16)	Location(s) (facility name & city/ province or TBD)	USG Funding Source (e.g., PEPFAR COP FYxx, USAID) ¹	Partner/ Implementing Organization; Additional Comments
Procured	1				
	2				
	3				
	4				
	5				
	6				
	7				
	8				

¹ Differentiating between PEPFAR and USAID-funded is important. If it is PEPFAR funded, specify the fiscal year (i.e. FY2011). Add rows if there are more than 8 instruments in total.

Table 3: Cumulative Xpert MTB/RIF Cartridges Procured to Date or Planned for Next Quarter (TB CARE I-

Already procured or still planned? (i.e. Write "Procured" or "Planned")	Order #	# of Cartridges*	Location(s) (facility name and city/ province or TBD)	USG Funding Source (e.g., PEPFAR COP FYxx, USAID) ¹	Comments
Procured	1				
	2				
	3				
	4				
	5				

*There are 10 cartridges per kit, but we need the total # of **cartridges** (not kits)
Add an additional row for every procurement order of cartridges

Any additional information/clarifications to the above (optional)

Please provide a brief description of any significant problems encountered in use of the GeneXpert machine(s) and Xpert MTB/RIF cartridges

Please describe technical assistance or evaluation of implementation activities performed and planned.

Quarterly Photos (as well as tables, charts and other relevant materials)

Inventory List of Equipment - TB CARE I



TB CARE I

Organization:	TB CARE I
Country:	Botswana
Reporting period:	July-September 2012
Year:	APA 2

Description (1)	ID numbers (2)	Acquisition date (3)	Acquisition cost (4)	V.A.T (5)	Location (6)	Condition (7)	Disposition date (8)	Title held by (9)	Insurance Policy #
Lenovo laptop	L3-BHW4H 09/05	November 2009	\$845.00	125.76	Gaborone	New		KNCV	None
Lenovo laptop	L3-BHY0E 09/05	November 2009	\$845.00	125.76	Gaborone	New		KNCV	None
Canon i-Sensys Printer/sc	ELA09942	November 2009	\$150	22.50	Gaborone	New		KNCV	None
Dell-Inspiron laptop	14RQ4Q1	September 2011	\$985.00	147.75	Gaborone	New		KNCV	None
Toshiba- External hard dri	68571056AG	September 2011	\$76.76	11.51	Gaborone	New		KNCV	None
LG -External		September 2012	\$90.00	10.80	Gaborone	New		KNCV	None
Toshiba laptop	5B311397K	April 2012	\$1,191.29	142.95	Gaborone	New		KNCV	None

(1) Description of equipment: transportation (vehicles), administration (computers, faxes), laboratory equipment or others

(2) Identification number (eg Manufacturer's serial number, model number, Federal stock number, national stock number)

(3) Date of invoice

(4) Total price including any sales tax paid. Use currency on invoice

(5) Note any sales tax charged

(6) Address

(7) Good/fair or bad

(8)+(9) Ultimate disposition data, (in the case of a vehicle) including date of disposal and sales price or the method used to determine current fair market value.

where a recipient compensated TB CARE I for its share. Attach supplementary info