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**TB CARE I**

# **TB CARE I -Mozambique**

**Year 3  
Quarterly Report  
October-December 2012**

**January 30, 2013**

## Quarterly Overview

<b>Reporting Country</b>	<b>Mozambique</b>
<b>Lead Partner</b>	<b>FHI360</b>
<b>Collaborating Partners</b>	<b>MSH, WHO, KNCV</b>
<b>Date Report Sent</b>	30-1-2013
<b>From</b>	Dário Sacur
<b>To</b>	USAID Mission, Alfredo McArthur
<b>Reporting Period</b>	<b>October-December 2012</b>

<b>Technical Areas</b>	<b>% Completion</b>
1. Universal and Early Access	18%
2. Laboratories	13%
3. Infection Control	33%
4. PMDT	0%
5. TB/HIV	0%
6. Health Systems Strengthening	11%
7. M&E, OR and Surveillance	7%
8. Drug supply and management	6%
<b>Overall work plan completion</b>	<b>11%</b>

### Most Significant Achievements

#### Universal Access

The Implementing Agencies during this quarter referred 6,670 TB suspects and 3,690 malaria suspects to health facilities. A total of 1,214 TB (all forms) were diagnosed of which 807 (66,5%) were diagnosed as SS+, 332 (27,3%) as SS-, and 75 (6,2%) as having TB EP. Of the total TB patients 203 were HIV positive, representing a co-infection rate of 16,7 % of all TB referred patients during this quarter. Out of the total number of malaria suspects referred by community volunteers 3,184 (86%) were diagnosed as having active malaria.

#### Laboratories

Following up the recommendations from the GeneXpert training in The Hague, the TB CARE I project in close coordination with NRL, NTP and other partners working in TB control, set up a GeneXpert technical working group (TWG). The group discussed and developed the guidelines for the implementation of GeneXpert. Since the GeneXpert strategic plan has not been developed yet, the guidelines will provide guidance to the country for the introduction of the technology countrywide. As part of the implementation guidelines, the algorithm for GeneXpert use has been finalized.

A total of 82 clinical staff from the three sites (27 Gaza, 25 Niassa and 30 Zambézia) where GeneXpert has been placed were trained in introduction of GeneXpert technology, the algorithm to be used, and sample referral from remote areas to the testing sites. Clinicians working in districts located around the testing sites and with good sample referral system were prioritized for the training.

An additional 15 LED microscopes were procured and distributed to 15 selected sites. Selection was done in close coordination with NTP and NMCP. 37 laboratory technicians will be trained from the sites where the microscopes have been installed. The training will take place in March 2013.

In order to improve the quality of AFB smear microscopy using Ziehl-Neelsen, 400 job aids have been printed and distributed all over the country. In addition, since Ziehl-Neelsen is being replaced by Auramine in 55 laboratories with TB CARE I support, 100 job aids for Auramine have been printed and distributed.

In order to comply with the biosafety level requirements at the NTRL a negative pressure systems was procured and installed with support from TB CARE I.

#### Infection Control

TB CARE I supported the conduction of an IC training targeting national and provincial infrastructure technicians from all the provinces on infection control and adequacy of construction and rehabilitation of health facilities projects. This training was the first in the country and it was the unique opportunity to introduce construction technicians on TB infection control concepts and share information and experience between provinces and MoH.

#### PMDT

TB CARE I led and supported the process of development and finalization of the PMDT national expansion plan. Several technical working group meetings were held and the draft plan has been approved in order to guide case management of MDR TB patients in the following months and will also establish steps to expand levels of assistance included establishment of M&E systems in the provinces and districts.

The TB CARE I project supported the workshop of PMDT co organized by WHO AFRO in close coordination with NTP for participants from African Portuguese speaking countries. This workshop was held in Maputo with participants from Mozambique, Angola and Sao Tome and Principe. From Mozambique, doctors from selected provinces (Maputo, Gaza, Sofala, Zambezia and Nampula) attended the workshop.

#### Pediatric TB

The TB CARE I technical officer participated in a 3 day Pediatric TB workshop co-organized by EGPAF and NTP. This workshop was facilitated by pediatric expert from Cape Town University and it was the first opportunity to train pediatrics and medical doctors from the country on pediatric TB in order to increase screening and diagnosis and to improve clinical management with focus on infection control and prophylaxis for contacts.

#### TB/HIV

As a recommendation from the USAID RIG audit, the project supported the training of MOH clinicians and other FHI360 projects in Niassa, Sofala, Manica and Tete provinces. The training was aimed at increasing TB/HIV activities and increase collaboration between projects and MOH.

### **Health System Strengthening**

The TB CARE I project supported the participation of five people (3 FHI360 Mozambique staff and 2 Mozambique MOH staff) to the 43<sup>rd</sup> Kuala Lumpur UNION Conference held from the 12<sup>th</sup> to the 18<sup>th</sup> of November 2012. Mozambique was represented by a contingent of representatives from USAID, MOH, Researchers and other health partners. A total of five presentations, (3 poster and 2 oral were presented) and this was an opportunity for team members to share lesson learnt in TB, TB/HIV and other lung related diseases with the rest of the world and also to learn from experiences on how other teams and countries were doing positively on TB control – prevention, diagnosis, treatment and care.

### **Drug Management**

During this quarter the main achievement on drug management was focused on distribution. From the 203 items requested, 80% (162) were issued, compared to 92% in the previous quarter. This was due to stock out of H100, H300, E100 and Streptomycin. Even though the number of items issued decreased, the total quantities for those with stock on hand was maintained (Average = **92%**, comparing to 91% in the previous quarter). All SLD were available and supplied.

Despite some stock outs and delays of shipments (specially those from GF), the sites had enough TB drugs to treat the patients. The update on quantification tools may be the reason behind this fact.

With a shipment update done in October 2012, NTP was able to follow up with GDF and GF all that was already ordered but not received. Actions were taken to expedite these shipments. Most of these drugs will be distributed next distribution cycle (January 2013).

### **Malaria**

8 laboratory technicians (5 females and 3 males) from the NMRL trained in laboratory certificate through exchange visits conducted with the Manhica Health Research Centre.

Two vehicles acquired through the PMI funding mechanism to support the NMCP in Malaria supervision activities were officially handed over to the program.

The TB CARE I project provided partial support in the successful commemorations of the SADC Malaria day celebrations held in Manhica district of Mozambique on November 9, 2012. All SADC Ministers of health participated.

The projects also procured lab commodities and reagents for Malaria laboratory component. The commodities and reagents will be enough for one year. This will avoid stock outs in health facilities and thus improve the laboratory diagnosis of both malaria and TB in the country.

### **Overall work plan implementation status**

For this reporting quarter implementation is at 11%. Activities implemented were only APA2 carry over activities considered approved for APA3 as the overall APA3 budget and workplan had not been approved by then.

### **Technical and administrative challenges**

Late start to APA3 implementation.

### **In-country Global Fund status and update**

Global Fund (GF) has disbursed funds for the purchase of first and second line drugs; drugs have been purchased and currently under shipment. Minor adjustments on the transitional funds mechanism proposal approved have been completed. The proposal also covers the procurement of drugs for TB. Currently the team is finalizing minor adjustments on the proposal as requested by GF.

From 15th and 18th of October 2012, TB CARE I Country Director together with a Medical Doctor working at NTP among other 50 participants from 30 African countries attended a four day regional meeting held in Nairobi and supported by TB Team and WHO AFRO. The overall objective was to build capacity of countries representatives on TB National Strategic Plans development with an emphasis on Global Fund grants.

## Quarterly Activity Plan Report

1. Universal and Early Access			Activity Leader	Approved Budget	Cumulative Technical Completion	Planned Completion		Cumulative Progress and Deliverables up-to-date
Outcome	Activity #	Activity				Month	Year	
1.1 Increased demand for and use of high quality TB services and improve the satisfaction with TB services provided (Population/Patient Centered Approach)	1.1.1	Expand CB DOTS coverage to 5 new districts	FHI360	1.362.250	100%	Dec	2012	CB DOTS activities coverage expanded to new 5 districts (Manica 1, Tete 1, and Zambezia 3) and sub agreements with implementing agencies have been signed. This takes total number of districts covered by TB CARE I with CB DOTS to 50. In the 45 districts where CB DOTS activities had been consolidated, 6,670 TB suspects and 3,690 malaria suspects were referred to health facilities. A total of 1,214 TB (all forms) were diagnosed of which, 807 (66,5%) were diagnosed as SS+, 332 (27,3%) as SS-, and 75 (6,2%) as having TB EP. Out of the total number of malaria suspects referred by community volunteers, 3,184 tested positive to malaria.
	1.1.2	25 TB CARE I districts implementing PCA tools	FHI360	12.730	25%	Sep	2013	25 districts have been identified where expansion of PCA activities will cover. Implementing agents in these districts have received PCA materials produced and training will be conducted during next reporting quarter.
	1.1.3	World TB day commemorated	FHI360	11.301	0%	Mar	2013	activity to be completed in March 2013
	1.1.4	ACSM IEC materials produced and distributed to all 11 provinces	FHI360	5.196	0%	Jun	2013	Implementation of activity is delayed. The ACSM consultant will be visiting the country in March 2013 to finalize the strategy and materials.
	1.1.5	ACSM national strategy finalized	FHI360	87.629	0%	Jun	2013	
	1.1.6	APA2 carry over activity: IEC materials developed for malarias	FHI360	103.920	0%	Jun	2013	Pending approval of adapted materials by MOH
	1.1.7	APA2 carry over activity: CB-DOTS expansion	FHI360	293.957	100%	Dec	2012	Remaining activities and corresponding obligated funds for CB DOTS implementation was disbursed. Completion of activities and disbursement of funds was completed through signing of amendments covering the period October to December 2012. Activities covered through the amendments included continued community suspect referral, diagnosis and treatment support offered through trained community based volunteer groups.

Outcome	Activity #	Activity	Activity Leader	Approved Budget	Cumulative Completion	Month	Year	Cumulative Progress and Deliverables up-to-date
1.2 Increased quality of TB services delivered among all care providers (Supply)	1.2.1	80% of health facilities with trained clinicians in TB diagnosis and treatment including TB in Children	FHI360	9.132	0%	Sep	2013	
	1.2.2	DOTS services expanded to 3 regional prisons, 1 refugee camp and 1 migrant worker company	FHI360	3.092	0%	Sep	2013	
	1.2.3	Nurses trained in TB screening in PMTCT settings	FHI360	2.052	0%	Sep	2013	
	1.2.4	22 clinicians trained in pediatric TB	FHI360	32.374	0%	Sep	2013	
	1.2.5	APA2 carry over activity: Increased demand for and use of high quality TB services	FHI360	159.079	0%	Jun	2013	Activity carried over from APA2 MOT and is still to be approved by USAID/W
	1.2.6	APA2 carry over activity: MDR TB pre-service training curricula finalized	FHI360	28.838	0%	Jun	2013	Consultant identified to lead the curricula development and adaptation.
<b>Outcome</b>	<b>Activity #</b>	<b>Activity</b>	<b>Activity Leader</b>	<b>Approved Budget</b>	<b>Cumulative Completion</b>	<b>Month</b>	<b>Year</b>	<b>Cumulative Progress and Deliverables up-to-date</b>
1.3 Reduced patient and service delivery delays (Timing)	1.3.1	Implement a health facility based ICF strategy	MSH	44.229	0%	Sep	2013	
	1.3.2	APA2 carry over activity: Strengthened TB diagnosis among children	FHI360	38.970	50%	Jun	2013	Procurement process for the purchase of Tuberculin PPD tests initiated and supplier has been selected. A waiver has been submitted since the tests are considered as pharmaceuticals. Once approval is attained, purchase and distribution will follow.
					18%			

2. Laboratories								
Outcome	Activity #	Activity	Activity Leader	Approved Budget	Cumulative Technical Completion	Planned Completion		Cumulative Progress and Deliverables up-to-date
						Month	Year	
2.1 Ensured capacity, availability and quality of laboratory testing to support the diagnosis and monitoring of TB patients	2.1.1	Translate and print the guideline for Laboratory reagents and supplies distribution	FHI360	15.588	0%	Sep	2013	
	2.1.2	Training of laboratory technicians from the national reference laboratory (TOT training)	MSH	31.991	0%	Sep	2013	
	2.1.3	Training of laboratory technicians from the national reference laboratory. Step down training	FHI360	75.433	0%	Sep	2013	
	2.1.4	TB CARE I supported laboratories performing quality assured AFB smear microscopy.	FHI360	13.055	0%	Sep	2013	
	2.1.5	Annual QA meetings conducted in 3 TB CARE I target provinces and 1 National annual TB lab meeting held at central level	FHI360	69.984	0%	Sep	2013	

	<b>2.1.6</b>	Training of MOH central and provincial staff to ensure no stock out of TB laboratory reagents.	FHI360	28.344	0%	Sep	2013	
	<b>2.1.7</b>	APA2 carry over activity: Training of lab technicians (malaria)	FHI360	6.495	100%	Dec	2012	8 laboratory technicians (5 females & 3 males) from the National Malaria Reference Laboratory (NMRL) trained in new laboratory techniques in malaria laboratory diagnosis and management system of quality laboratory level, knowledge that should be implemented in the MNRL
	<b>2.1.8</b>	APA2 carry over activity: Malaria laboratory supervision visits conducted	FHI360	24.000	0%	Sep	2013	The M&E Officer who will lead the supervision visits is currently being recruited. As soon as the process is completed, activity implementation will commence.
	<b>2.1.9</b>	APA2 carry over activity: Training of lab technicians	MSH	12.592	0%	Sep	2013	
<b>Outcome</b>	<b>Activity #</b>	<b>Activity</b>	<b>Activity Leader</b>	<b>Approved Budget</b>	<b>Cumulative Completion</b>	<b>Month</b>	<b>Year</b>	<b>Cumulative Progress and Deliverables up-to-date</b>
2.2 Ensured the availability and quality of technical assistance and services	<b>2.2.1</b>	Technicians trained in microscopy servicing from all provinces.	FHI360	30.197	0%	Sep	2013	
	<b>2.2.2</b>	Culture and DST Lab equipment from the 2 (Maputo RL and Beira RL ) reference labs functioning	FHI360	38.970	0%	Sep	2013	
	<b>2.2.3</b>	Laboratory supervisions visits conducted in 7 TB CARE I provinces + 2 visits to GeneXpert sites	FHI360	49.219	0%	Sep	2013	
	<b>2.2.4</b>	APA2 carry over activity: TA for reference labs	MSH	33.990	0%	Sep	2013	
	<b>2.2.5</b>	MOH staff trained in GeneXpert Algorithm and suspect selection for testing.	FHI360	12.198	100%	Dec	2012	82 clinicians (17 females & 65 males) in 3 provinces where the GeneXpert machines were placed trained in suspect selection for testing and GeneXpert algorithm.
	<b>2.2.6</b>	Lab technicians trained in LED microscopy	FHI360	37.805	25%	Mar	2013	The last lot of procured 15 LEDs were distributed to selected sites. With the second lot of 22 already installed, training of the 37 lab technicians will be completed by March 2013 but all logistics for the training including participant identification, venue and dates have been completed.
<b>Outcome</b>	<b>Activity #</b>	<b>Activity</b>	<b>Activity Leader</b>	<b>Approved Budget</b>	<b>Cumulative Completion</b>	<b>Month</b>	<b>Year</b>	<b>Cumulative Progress and Deliverables up-to-date</b>
2.3 Ensured optimal use of new approaches for laboratory confirmation of TB and incorporation of these approaches in national	<b>2.3.1</b>	TB CARE I GeneXpert machines functioning	FHI360	26.500	0%	Sep	2013	Bidding process to be launched for the supply of the GeneXpert cartridges.
	<b>2.3.2</b>	Establish a specimen referral system and feedback of results in selected sites for piloting purposes.	FHI360	11.691	0%	Sep	2013	

International strategic laboratory plans	<b>2.3.3</b>	APA2 carry over activity: Guidelines for QA for TB	FHI360	12.990	0%	Jun	2013	
						13%		

3. Infection Control								
Outcome	Activity #	Activity	Activity Leader	Approved Budget	Cumulative Technical Completion	Planned Completion		Cumulative Progress and Deliverables up-to-date
Outcome	Activity #	Activity	Activity Leader	Approved Budget	Cumulative Technical Completion	Month	Year	
3.2 Scaled-up implementation of TB-IC strategies	<b>3.2.1</b>	Printing and distribution of 1.000 IC checklist	FHI360	12.990	0%	Sep	2013	
	<b>3.2.2</b>	Conduct TB Infection control at the community level	FHI360	34.792	0%	Sep	2013	
	<b>3.2.3</b>	APA2 carry over activity: Scaled-up implementation of TB-IC strategies	FHI360	18.829	100%	Mar	2013	18 technicians trained (1 females & 17 males) were trained in TB IC mechanism in constructions. The training was meant to improve construction technicians capacities to include IC measures or provisions in new construction as well as rehabilitation works.
					33%			

4. PMDT								
Outcome	Activity #	Activity	Activity Leader	Approved Budget	Cumulative Technical Completion	Planned Completion		Cumulative Progress and Deliverables up-to-date
Outcome	Activity #	Activity	Activity Leader	Approved Budget	Cumulative Technical Completion	Month	Year	
4.1 Improved treatment success of MDR TB	<b>4.1.1</b>	20 MDR TB and clinicians from 11 provinces	FHI360	60.407	0%	Sep	2013	
	<b>4.1.2</b>	3 regional teams created to conduct MDR TB supervision in TB CARE I provinces	FHI360	36.068	0%	Sep	2013	
	<b>4.1.3</b>	Improved conditions at Machava Hospital	FHI360	58.455	0%	Sep	2013	
	<b>4.1.4</b>	MOH staff participate in one international workshop on DR TB.	FHI360	12.392	0%	Sep	2013	
	<b>4.1.5</b>	Print and distribute MDR TB registration forms to all 11 provinces	FHI360	5.196	0%	Sep	2013	
	<b>4.1.6</b>	APA2 carry over activity: Pre-service training in MDR	FHI360	7.669	0%	Sep	2013	
	<b>4.1.7</b>	APA2 carry over activity: Improved conditions for MDR TB patients at Machava TB hospital	FHI360	47.475	0%	Sep	2013	Bidding process for contractor selection has been launched for the rehabilitation activity. Supplier selection process will soon follow
					0%			

5. TB/HIV								
Outcome	Activity #	Activity	Activity Leader	Approved Budget	Cumulative Technical Completion	Planned Completion		Cumulative Progress and Deliverables up-to-date
Outcome	Activity #	Activity	Activity Leader	Approved Budget	Cumulative Technical Completion	Month	Year	

5.1 Strengthened prevention of TB/HIV co-infection	5.1.1	Quarterly TB/HIV TASKFORCE meetings conducted	FHI360	17.084	0%	Sep	2013	
	5.1.2	Clinical staff trained in TB/HIV	FHI360	88.683	0%	Sep	2013	
					0%			

6. Health Systems Strengthening								Planned Completion	Cumulative Progress and Deliverables up-to-date
Outcome	Activity #	Activity	Activity Leader	Approved Budget	Cumulative Technical Completion	Month	Year		
6.2 TB control components (drug supply and management , laboratories, community care, HRD and M&E) form an integral part of national plans, strategies and service delivery	6.2.1	Conduct TB CARE I/NTP integrated visits	FHI360	58.889	0%	Sep	2013		
	6.2.2	Train provincial Supervisors and their deputies in M & E	WHO	15.797	0%	Sep	2013		
	6.2.3	Continue to support to NTP in contracting new and maintaining already hired staff (budgeted under S & O)	WHO		0%	Sep	2013		
	6.2.4	Conduct TB CARE I/NTP integrated visits	FHI360	39.827	0%	Sep	2013		
	6.2.5	Proposal to make funding of the NTP more sustainable	KNCV	48.620	0%	Sep	2013		
	6.2.6	Strengthen involvement of implementing partners in TB control	FHI360	12.418	0%	Sep	2013		
	6.2.7	Participation in international events	FHI360	28.329	0%	Sep	2013		
	6.2.8	APA2 carry over activity: Participation in international events	FHI360	13.224	100%	Nov	2012	The project supported the participation of 5 people (3 FHI360 staff and 2 MOH) at the 43rd UNION conference in Kuala Lumpur. 3 poster presentations (Strengthening DR-TB diagnosis capacity in Mozambique; Hepatic tolerance among HIV-TB co-infected patients treated with ARV and anti-tuberculosis drugs in a setting with high prevalence of HBV infection; and Patient and Health system delay for pulmonary tuberculosis care in Beira City, Mozambique), and 2 oral presentations (Barriers to antiretroviral therapy initiation among Mozambican patients with active pulmonary tuberculosis co-infected with HIV, and TB infection control evaluations leading to changes in guidelines and policies in Mozambique)	
	6.2.9	APA2 carry over activity: upgrade the NTP M & E department data reporting system	FHI360	79.042	25%	Mar	2013	Quantification of equipment needed, site assessments and bids received for the supply of the M & E equipment (servers, cisco routers etc.) received.	

	<b>6.2.10</b>	Finalize and obtain approval for APA2 carry over activity: NTP Strategic Plan (2013-17)	FHI360	18.498	75%	Mar	2013	Two meetings to finalize the NTP SP were conducted in October and November respectively. The November meeting counted with the participation of the TB in Mines Coordinator and the section on TB in mines was added as a complete chapter in the SP. Technical working groups were created as part of the finalization process with contributions from the consultants contracted to support the M & E and budgeting components already incorporated.
	<b>6.2.11</b>	APA2 carry over activity: provide technical support at provincial level	WHO	2.192	0%	Sep	2013	
	<b>6.2.12</b>	APA2 carry over activity: Office Expenses at provincial level	WHO	11.001	0%	Sep	2013	
<b>Outcome</b>	<b>Activity #</b>	<b>Activity</b>	<b>Activity Leader</b>	<b>Approved Budget</b>	<b>Cumulative Completion</b>	<b>Month</b>	<b>Year</b>	<b>Cumulative Progress and Deliverables up-to-date</b>
6.3 MALARIA - Ensured availability and quality of technical assistance and services at both health facility and community level	<b>6.3.1</b>	Implement QA system in all districts.	FHI360	132.186	0%	Sep	2013	
	<b>6.3.2</b>	Strengthen NMCP human resource capacity (budgeted under S & O)	FHI360		0%	Sep	2013	
	<b>6.3.3</b>	Train provincial and district level M & E focal persons in M & E	FHI360	80.980	0%	Sep	2013	
<b>Outcome</b>	<b>Activity #</b>	<b>Activity</b>	<b>Activity Leader</b>	<b>Approved Budget</b>	<b>Cumulative Completion</b>	<b>Month</b>	<b>Year</b>	<b>Cumulative Progress and Deliverables up-to-date</b>
6.4 MALARIA - Ensured capacity, availability and quality of laboratory testing to support malaria diagnosis including RDT	<b>6.4.1</b>	Procure laboratory reagents and consumables	FHI360	49.947	0%	Sep	2013	
<b>Outcome</b>	<b>Activity #</b>	<b>Activity</b>	<b>Activity Leader</b>	<b>Approved Budget</b>	<b>Cumulative Completion</b>	<b>Month</b>	<b>Year</b>	<b>Cumulative Progress and Deliverables up-to-date</b>
6.5 MALARIA - Increased demand for malaria services at both health facility and	<b>6.5.1</b>	Conduct BCC regional workshops	FHI360	73.157	0%	Sep	2013	
	<b>6.5.2</b>	Participate in the activities to commemorate World Malaria Day and SADC Malaria Day	FHI360	23.200	50%	Apr	2013	The SADC Malaria day commemorations were conducted in Mozambique where all ministers of health from the SADC region participated.

facility and community level	<b>6.5.5</b>	Produce and air BCC IEC materials	FHI360	171.468	0%	Sep	2013	A BCC Officer is in process of being contracted and will lead the process of developing BCC materials. Interviews have been conducted.
<b>Outcome</b>	<b>Activity #</b>	<b>Activity</b>	<b>Activity Leader</b>	<b>Approved Budget</b>	<b>Cumulative Completion</b>	<b>Month</b>	<b>Year</b>	<b>Cumulative Progress and Deliverables up-to-date</b>
6.6 MALARIA Increased capacity in M & E system at all levels	<b>6.6.1</b>	Conduct malaria laboratory supervision visits	FHI360	85.329	0%	Sep	2013	
	<b>6.6.2</b>	Conduct malaria clinical supervision visits	FHI360	87.077	0%	Sep	2013	
	<b>6.6.3</b>	Provide operational assistance to the NMCP	FHI360	8.573	0%	Sep	2013	
	<b>6.6.4</b>	Participation of NMCP M&E focal person in international events	FHI360	13.562	0%	Sep	2013	
					<b>11%</b>			

<b>7. M&amp;E, OR and Surveillance</b>								
<b>Outcome</b>	<b>Activity #</b>	<b>Activity</b>	<b>Activity Leader</b>	<b>Approved Budget</b>	<b>Cumulative Technical Completion</b>	<b>Planned Completion</b>		<b>Cumulative Progress and Deliverables up-to-date</b>
						<b>Month</b>	<b>Year</b>	
7.2 Improved capacity of NTPs to analyze and use quality data for the management of the TB program	<b>7.2.1</b>	CB DOTS Implementing agencies reporting valid and quality data to the TB CARE I project	FHI360	17.017	0%	Sep	2013	
	<b>7.2.2</b>	Capacity of NTP M & E staffs strengthened to analyze and use quality data for the TB program	WHO	10.396	0%	Sep	2013	
	<b>7.2.3</b>	Print and support M & E tools to support NTP data collection and use.	WHO	4.661	0%	Sep	2013	
	<b>7.2.4</b>	Revise and finalize NTP M&E tools	KNCV	26.224	0%	Sep	2013	
	<b>7.2.5</b>	APA2 carry over activity: Consultant to support NMCP M & E department (FHI/CDC/WHO/KNCV)	FHI360	20.000	25%	Mar	2013	Reference terms for the consultant to support the NMCP M&E department have been finalized and potential candidates identified.
	<b>7.2.6</b>	APA carry over activity: Office Expenses at National level	WHO	3.667	0%	Sep	2013	
<b>Outcome</b>	<b>Activity #</b>	<b>Activity</b>	<b>Activity Leader</b>	<b>Approved Budget</b>	<b>Cumulative Completion</b>	<b>Month</b>	<b>Year</b>	<b>Cumulative Progress and Deliverables up-to-date</b>
7.3 Improved capacity of NTPs to perform operations research	<b>7.3.1</b>	National research agenda finalized	WHO	7.774	0%			
	<b>7.3.2</b>	Technical visit to prepare for the conduct of a national TB prevalence study	KNCV	42.848	0%	Sep	2013	
	<b>7.3.3</b>	APA2 carry over activity: CE study CB-DOTS	FHI360	19.485	0%	Sep	2013	
	<b>7.3.4</b>	APA2 carry over activity: New technologies studies	FHI360	6.495	0%	Sep	2013	
	<b>7.3.5</b>	APA2 carry over activity: Knowledge-Attitudes and Practice Study	FHI360	131.475	50%	Jun	2013	The revised protocol has been approved by both the Mozambican ethics committee as well as the FH360 committee. Contract has been prepared for signing and once signed the KAP study will commence.
					<b>7%</b>			

8. Drug supply and management			Activity Leader	Approved Budget	Cumulative Technical Completion	Planned Completion		Cumulative Progress and Deliverables up-to-date
Outcome	Activity #	Activity				Month	Year	
8.1 Ensured nationwide systems for a sustainable supply of drugs	8.1.1	Adequate TA to make funds available to procure TB medicines, lab reagents and other NTP commodities to ensure availability of stock.	MSH	13.417	0%	Sep	2013	
	8.1.2	Strengthened LMIS through support supervision to ensure data from the district level collected at national level	MSH	5.903	0%	Sep	2013	
	8.1.3	Ensured data availability by NTP in commodity management	MSH	4.878	0%	Sep	2013	
	8.1.4	Strengthen LMIS through support supervision to ensure data from the district level are collected at national level	MSH	1.759	0%	Sep	2013	
	8.1.5	Drug warehousing and distribution capacity improved	MSH	7.295	0%	Sep	2013	
	8.1.6	National and provincial level pharmacy managers trained in commodity management (ToT training)	MSH	6.503	0%	Sep	2013	
	8.1.7	District level NTP supervisory and pharmacy staffs trained in commodity management (Step down-Cascade training)	MSH	4.150	0%	Sep	2013	
	8.1.8	Support for MSH/TB CARE I and MOH/NTP participation in international events	MSH	7.551	0%	Sep	2013	
	8.1.9	Disseminate and distribute ADR R&R tools to supported health facilities	MSH	2.830	0%	Sep	2013	
	8.1.10	APA2 carryover activity: Provision of TA to improve drug management (forecasting, procurement, warehousing, distribution and LMIS)	MSH	34.302	75%	Mar	2013	Support given in updating the quantification tools and their use and this supported the NTP to follow up with GDF and GF on quantities already ordered. Distribution plan completed for drugs to be shipped based on existing stocks at provincial deposits and request forms completed. Distribution to be done in January 2013.
	8.1.11	APA2 carryover activity: Establish a system for quality control of drugs (TB)	MSH	11.464	0%	Sep	2013	
	8.1.12	APA2 carryover activity: Strengthen the pharmacovigilance system and rational use of drugs (TB)	MSH	35.118	0%	Sep	2013	
					6%			

Total Approved Staffing & Operations Budget	2.388.560
Grand Total Approved Project Budget	7.342.920

## Quarterly MDR-TB Report

<b>Country</b>	<b>Mozambique</b>
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<b>Period</b>	<b>OCTOBER-DECEMBER 2012</b>
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### MDR TB cases diagnosed and put on treatment in country

Quarter	Number of MDR cases diagnosed	Number of MDR cases put on treatment	Comments:
<b>Total 2010</b>	87	86	Data from Jul-Dec 2012 not available and can be reported next quarter as cumulative
<b>Total 2011</b>	184	146	
<b>Jan-Mar 2012</b>	21	21	
<b>Apr-Jun 2012</b>	58	58	
<b>Jul-Sep 2012</b>	0	0	
<b>Oct-Dec 2012</b>	0	0	
<b>Total 2012</b>	79	79	

## 6. TB CARE I-supported International Visits (technical and management-related trips)

#	Partner	Activity Code	Name	Purpose	Planned month, year	Status	Dates completed	Additional Remarks (Optional)
1	FHI		Carol Hamilton & Piya Smith	Participation in international events	Sept - Oct 2013	Planned		
2	KNCV	1.1.4	Netty Kamp & Nico Kalisvaart	ACSM support visit to finalize strategy and M&E visit	November 2013	Planned		
3	KNCV		Vicent Kuyvenhoven	Support in conducting the MDR TB training	February 2013	Planned		
4	KNCV	6.2.5	Bert Schreuder & Evelien Klinkenberg	Support visit to NTP for sustainable funding & preparation for prevalence survey	March 2013	Planned		
5	KNCV		Vicent Kuyvenhoven	Support in conducting the MDR TB training	February 2013	Planned		
6	WHO	6.2.7	Gael Claquing	Participation in the UNION conference and trip to geneva for program support	Sept - Oct, 2013	Planned		
7	MSH	1.3.1	Samuel Kinyanjui	To support the implementation of health facility-based ICF strategy	2013 TBD	Planned		
8	MSH	1.3.1	Irnei Myemba	To support the implementation of health facility-based ICF strategy	2013 TBD	Planned		
9	MSH	2.1.5	Grace Kahenya & Maria Alice telles	To support training of lab technicians from NRL	January 2013	Planned		
10	MSH	8.1.1	Samuel Kinyanjui	TA to ensure adequate availability of TB medicines, lab reagents and stocks	May 2013	Planned		
11	MSH	8.1.5	Samuel Kinyanjui	To support drug warehousing and strengthen distribution capacity	April 2013	Planned		
12	MSH	8.1.8	TBD - Samuel Kinyanjui	To participate in World Lung Health Union Conference	November 2013	Planned		
Total number of visits conducted (cumulative for fiscal year)							0	
Total number of visits planned in workplan							12	
Percent of planned international consultant visits conducted							0%	

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

Charlot Colvins and Alfredo Mac Arthur (USAID) visiting CB DOTS activities in Meconta district of Nampula Province



The Mozambican Contingent participating at the 43rd UNION Conference (comprising of staff from USAID, MOH, the National University and FH360)



The Official handover of the Malaria supervision vehicle to the NMCP Nampula Province



Training of Laboratory technician in LED microscopy use



SADC health ministers during the opening ceremonies



SADC delegates touring the display area



## Inventory List of Equipment - TB CARE I



**USAID**  
FROM THE AMERICAN PEOPLE

**TB CARE I**

<b>Organization:</b>	<b>TB CARE I</b>
<b>Country:</b>	<b>Mozambique</b>
<b>Reporting period:</b>	<b>October-December 2012</b>
<b>Year:</b>	<b>APA 3</b>

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 #
Motorbikes		23/05/12	\$5.450,00	\$926,00	Tete	new	June 2012	FHI360	
Motorbikes	5643289	23/05/12	\$5.450,00	\$926,00	Tete	new	June 2012	FHI360	
Motorbikes		23/05/12	\$5.450,00	\$926,00	Zambezia	new	June 2012	FHI360	
Motorbikes		23/05/12	\$5.450,00	\$926,00	Zambezia	new	June 2012	FHI360	
Motorbikes	5643275	23/05/12	\$5.450,00	\$926,00	Nampula	new	June 2012	FHI360	
Motorbikes		23/05/12	\$5.450,00	\$926,00	Nampula	new	June 2012	FHI360	
Motorbikes	5634272	23/05/12	\$5.450,00	\$926,00	Nampula	new	June 2012	FHI360	
Motorbikes		23/05/12	\$5.450,00	\$926,00	Nampula	new	June 2012	FHI360	
Motorbikes	5643290	23/05/12	\$5.450,00	\$926,00	Nampula	new	June 2012	FHI360	
Motorbikes	5643262	23/05/12	\$5.450,00	\$926,00	Nampula	new	June 2012	FHI360	
Motorbikes	5643266	23/05/12	\$5.450,00	\$926,00	Gaza	new	June 2012	FHI360	
GeneXpert		22/06/12	\$29.857,33	N/A	Chokwe/Gaza	new	June 2012	MOH	
GeneXpert		22/06/12	\$29.857,33	N/A	Quelimane/Zambezia	new	June 2012	MOH	
GeneXpert		22/06/12	\$29.857,33	N/A	Cuamba/Niassa	new	June 2012	MOH	
LED Microscopy		June 2012	\$4.016,25	\$682,76	HP Xai Xai/Gaza	new	August 2012	MOH	
LED Microscopy		June 2012	\$4.016,25	\$682,76	HR de Chicumbane/Gaza	new	August 2012	MOH	
LED Microscopy		June 2012	\$4.016,25	\$682,76	C.S de Ponta Gea/Sofala	new	August 2012	MOH	

LED Microscopy		June 2012	\$4.016,25	\$682,76	HR de Nhamatanda/Sofala	new	August 2012	MOH	
LED Microscopy		June 2012	\$4.016,25	\$682,76	HR de Sussundega/Manica	new	August 2012	MOH	
LED Microscopy		June 2012	\$4.016,25	\$682,76	HR de Ulongue/Tete	new	August 2012	MOH	
LED Microscopy		June 2012	\$4.016,25	\$682,76	C.D de Mutarara/Tete	new	August 2012	MOH	
LED Microscopy		June 2012	\$4.016,25	\$682,76	HP de Quelimane/Zambezia	new	August 2012	MOH	
LED Microscopy		June 2012	\$4.016,25	\$682,76	HR de Milange/Zambezia	new	August 2012	MOH	
LED Microscopy		June 2012	\$4.016,25	\$682,76	HR de Gurue/Zambezia	new	August 2012	MOH	
LED Microscopy		June 2012	\$4.016,25	\$682,76	HR de Mocuba/Zambezia	new	August 2012	MOH	
LED Microscopy		June 2012	\$4.016,25	\$682,76	Lab de Ref de TB/Nampula	new	August 2012	MOH	
LED Microscopy		June 2012	\$4.016,25	\$682,76	C.S de Carapira-Monapo/Nampula	new	August 2012	MOH	
LED Microscopy		June 2012	\$4.016,25	\$682,76	HD de Moma/Nampula	new	August 2012	MOH	
LED Microscopy	SN: 3134001261	June 2012	\$4.016,25	\$682,76	HR de Cuamba/Niassa	new	August 2012	MOH	
LED Microscopy		June 2012	\$4.016,25	\$682,76	HP de Lichinga	new	August 2012	MOH	
LED Microscopy		June 2012	\$4.016,25	\$682,76	Lab Nacional Referencia TB/Maputo	new	August 2012	MOH	
LED Microscopy		June 2012	\$4.016,25	\$682,76	Hosp. Geral Machava/Maputo	new	August 2012	MOH	

(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