



**USAID**  
FROM THE AMERICAN PEOPLE

**TB CARE I**

# **Uzbekistan**

**Year 1**

**Annual Report**

**October 1, 2011 – February 29, 2012**

**April 30, 2012**

## Table of Contents

Executive Summary .....	4
Introduction .....	6
Universal Access .....	6
Laboratories.....	7
Infection Control.....	8
Programmatic Management of Drug Resistant TB (PMDT) .....	9
TB/HIV .....	10
Health System Strengthening (HSS) .....	11
Monitoring & Evaluation, Surveillance and OR .....	12
Drug supply and management .....	13
Financial Overview .....	15

## List of Abbreviations

CAR	Central Asian Republics
CDC	Center for Disease Control and Prevention
CDR	Case Detection Rate
DOTS	Directly Observed Treatment Short Course
DR	Drug Resistance
DRS	Drug Resistance Survey
DST	Drug Susceptibility Testing
FLD	First Line Drug
GFATM	Global Fund for Aids, Tuberculosis and Malaria
GLC	Green Light Committee
HRD	Human Resource Development
HSS	Health System Strengthening
IC	Infection Control
IEC	Information, Education and Communication
KNCV	KNCV Tuberculosis Foundation
MDR	Multi Drug Resistance
MDR-TB	Multi Drug Resistant Tuberculosis
M&E	Monitoring and Evaluation
MOA	Memorandum of Agreement
MOH	Ministry of Health
MSF	Médecins sans Frontières (Doctors without Borders)
NGO	Non-Governmental Organization
NTP	National TB Program
NRL	National Reference Laboratory
NTRL	National Tuberculosis Reference Laboratory (Uganda)
OR	Operations Research
PMDT	Programmatic Management of Drug-resistant Tuberculosis
PMU	Program Management Unit
SLD	Second Line Drug
SRL	Supra-national Reference Laboratory
USAID	United States Agency for International Development

## Executive Summary

The USAID supported five-year (2010 -2015) TB CARE I project is implemented in Central Asian countries by KNCV Representative Office in Central Asia. During the first project year, TB CARE I was implemented in three Central Asian countries – Kazakhstan, Kyrgyzstan and Uzbekistan.

In Year 1, TB CARE I worked in eight technical areas:

1. Universal Access
2. Laboratories
3. Infection control
4. Programmatic Management of Drug Resistant TB
5. TB HIV
6. Health system strengthening
7. Monitoring & Evaluation, Surveillance and OR
8. Drug supply management

Under APA1, it was planned to contribute to providing equitable access to quality and timely diagnosis and adequate treatment for (MDR) TB patients, with a focus on expansion in Karakalpakstan and Tashkent, as well as introduction of new concepts and models into the national strategies. During the first year, TB CARE I also planned to work with partners to try to mobilize additional resources for the procurement of second line TB drugs.

Due to the pending office registration in Uzbekistan, TB CARE I had limited presence in Uzbekistan and covered 4 out of 8 technical areas in APA1: Universal and Early Access, Laboratories, Infection Control (IC), Health Systems Strengthening.

Below is the summary of major achievements and challenges by technical areas:

### Universal and early access

#### **Key achievements**

- One TB pediatrician (female) from NTP participated in a training course on TB in children in Latvia from August 22- 26. Following the course, she disseminated information about international standards on TB management in children to NTP .

### Health Systems Strengthening

#### **Key achievements**

- In order to improve NTP's capacity in strategic planning, one specialist from NTP participated in the IUATLD training on strategic planning and innovations.
- Representatives of NTP and prison medical service participated in the regional meeting on harmonization of action plans in TB control. Plans of NTP and prison medical service were shared and discussed during the meeting.

### Infection Control

#### **Key achievements**

- Assessment of TB-IC was conducted by Dato Chorgoliani, KNCV Senior Consultant, Max Meis , PMU and Vlad Furman, TB-IC Regional Consultant in TB facilities in Tashkent city (the Republican TB Institute, City TB hospital, City TB dispensary), Nurabad, Andijan, and Nukus (TB Hospitals #1 and TB hospital #2). The mission team shared findings and recommendations with NTP and MoH, and PIU GF.

Table 1: Completion of TB CARE Technical areas

<b>Technical Areas</b>	<b>% Completion</b>
1. Universal and Early Access	100%
2. Laboratories	13%
3. Infection Control	50%
4. PMDT	25%
5. TB/HIV	Postponed
6. Health Systems Strengthening	100%
7. M&E, OR and Surveillance	Postponed
8. Drug supply and management	Cancelled
<b>Overall work plan completion</b>	<b>58%</b>

Due to pending office registration in the country, it was possible to implement only a few activities through NTP. In this regard, it was impossible to achieve most of indicators stated in APA1 workplan for Uzbekistan, thus some results for APA1 have not been achieved. Below is the summary of baseline data for TB CARE I indicators that were used to measure TB CARE I's contribution to the targets:

TA HSS:

1. Number of local trainers trained.
  - One NTP specialist participated in the IUATLD International training course on strategic planning.
2. Default rate among TB patients.
3. Number of TB patients who completed ambulatory treatment

## Introduction

In Uzbekistan, TB CARE I proposed to provide technical assistance at the national level and in Tashkent and Karakl'pakstan regions, to improve the management capacity of NTP and Prison Service to provide quality TB care and treatment. It was envisioned that this would lead to a more effective program implementation, increasing the capacity of the NTP to utilize other funding sources such as GFATM. TB CARE I also planned to provide assistance to NTPs in the development of GFATM proposal and support its implementation.

To implement its activities, KNCV Representative office in Central Asia prepared and submitted registration documents for opening of its branch office in the country. However, submission and review of registration application took longer than expected delaying the project implementation. TB CARE I implemented a few activities that were made possible through the support provided by NTP, GFATM PIU, DOTS Center and WHO country office. These partners provided administrative support to TB CARE I consultants and expedited the agreement process for participation of representatives of NTP and other TB partners in TB CARE I regional meetings.

Taking into account the situation with the current delay in registration, it was decided to move some activities from the APA1 to APA2.

## Universal Access

### Technical Outcomes

	Expected Outcomes	Outcome Indicators	Indicator Definition	Baseline	Target	Result	Comments
					Y1	Y1	
1	Improved TB control in prisons	Bacteriologically confirmed TB cases in prisons reported to NTP	Bacteriologically confirmed TB cases reported in prisons in project sites (indicator for case detection), disaggregated by culture and DST results (indicator for access to bacteriological examinations in prison)	will be collected during the first assessment visit		N/A	Due to pending registration Activity, was not implemented
2	Strengthened TB control in migrants	TB cases in migrants reported to NTP among the total number of TB patients	TB cases in migrants reported to NTP among the total number of TB patients	NA			Due to pending registration, activity was not implemented

<b>3</b>	International standards on TB management in children introduced in country	Number of childhood TB cases	Number of childhood TB cases disaggregated by active (contact, risk group examination) and passive case finding	will be collected during the first assessment visit		N/A	Due to pending registration, activity was not implemented
----------	--	------------------------------	---	---	--	-----	---

### Key Achievements

- To strengthen local capacity in childhood TB management in line with international recommendations, one TB pediatrician from NTP participated in the international training course on childhood TB in Latvia.

### Challenges and Next Steps

- Due to pending registration, this technical area was not fully covered. It is planned to complete planned activities in APA2. TB CARE I will work in Uzbekistan through its partner WHO during APA2.

## Laboratories

### Technical Outcomes

	Expected Outcomes	Outcome Indicators	Indicator Definition	Baseline	Target	Result	Comments
					Y1	Y1	
<b>1</b>	Laboratory strategic planning capacity improved	Developed National laboratory strategic plan	National laboratory strategic is developed Yes/No	no	yes	No	Implementation was postponed due to pending office registration in the country and the approval of the workplan by MoH.
<b>2</b>	Management of laboratory services improved	Number of laboratories that have updated laboratory SOPs in line with WHO standards (number and percent)	Number of culture laboratories that have SOPs in line with WHO standards out of total number of culture laboratories in project	2 (50%)	4	2 (50%)	Implementation was postponed due to pending office registration in the country and the approval of the workplan by MoH.

			sites (number and percent)				
<b>3</b>	TB diagnostic capability enhanced through introduction of new diagnostic tools	TB patients diagnosed by GenExpert (number and percent)	TB patients diagnosed by GenExpert in project sites (number and percent out of all TB patients in project sites) disaggregated by TB/MDR TB	0		0	Implementation was postponed due to pending office registration in the country and the approval of the workplan by MoH.

### Challenges and Next Steps

- Due to pending registration this technical area was not fully covered. It is planned to complete planned activities in APA2. TB CARE I will work in Uzbekistan through its partner WHO during APA2.

## Infection Control

### Technical Outcomes

	Expected Outcomes	Outcome Indicators	Indicator Definition	Baseline	Target	Result	Comments
					Y1	Y1	
<b>1</b>	Introduce and scaled-up of minimum package of IC interventions in key facilities in project sites	Ratio of TB notification rate in health care staff	Ratio of TB notification rate in health care staff over the TB notification rate in general population, adjusted by age and sex in project sites	0.2			Implementation was postponed due to pending office registration in the country and the approval of the workplan by MoH..
<b>2</b>	Developed local capacity on TB IC	Key facilities with a designated TB IC focal person in each project site including	Key facilities with a designated TB IC focal person in each project site including	41 (100%)	2	0	Implementation was postponed due to pending office registration in the country and the approval of the workplan

		prison sector (number and percent)	prison sector (number and percent) disaggregated by prison and civil sector				by MoH.
--	--	------------------------------------	---	--	--	--	---------

### Key Achievements

- Assessment on TB-IC was conducted by Dato Chorgoliani, KNCV Senior consultant, Max Meis, TB CARE PMU and Vlad Furman TB-IC Regional Consultant, in Tashkent, Andizhan and Karakalpakstan oblasts at the beginning of September.

### Challenges and Next steps

- Due to pending registration this technical area was not fully covered. It is planned to complete planned activities in APA2. TB CARE I will work in Uzbekistan through its partner WHO during APA2.

## Programmatic Management of Drug Resistant TB (PMDT)

### Technical Outcomes

	Expected Outcomes	Outcome Indicators	Indicator Definition	Baseline	Target	Result	Comments
					Y1	Y1	
1	PMDT scale up in civilian and prison sectors	MDR TB cases put on treatment (number and percentage of diagnosed MDR TB cases)	Number and % of lab-confirmed MDR-TB patients enrolled on 2nd-line anti-TB treatment among all lab-confirmed MDR-TB cases during reporting period in project sites disaggregated by civil and prison sector	628 (61%)		NA	Implementation was postponed due to pending office registration in the country and the approval of the workplan by MoH.

<b>2</b>	Improved X/MDR TB management in children	Number of children put on MDR TB treatment in accordance with international guidelines (number and percentage out of all children diagnosed with MDRTB)	Number of children put on MDR TB treatment in accordance with international guidelines (number and percentage out of all children diagnosed with MDRTB) disaggregated by oblasts	will be collected during the first assessment mission		N/A	Implementation was postponed due to pending office registration in the country and the approval of the workplan by MoH.
----------	--	---	--	---	--	-----	---

### Key Achievements

- N/A

### Challenges and Next Steps

- Due to pending registration this technical area was not fully covered. It is planned to complete planned activities in APA2. TB CARE I will work in Uzbekistan through its partner WHO during APA2.

## TB/HIV

### Technical Outcomes

	Expected Outcomes	Outcome Indicators	Indicator Definition	Baseline	Target	Result	Comments
					Y1	Y1	
<b>1</b>	Increased demand for TB/HIV activities	Country has a National strategic plan on TB/HIV collaborative activities in line with WHO standards	National strategic plan on TB/HIV collaborative activities is in line with WHO standards and available in country (yes/no)	yes			Implementation was postponed due to pending office registration in the country and the approval of the workplan by MoH.

### Key Achievements

- N/A

## Challenges and Next Steps

- Due to pending registration this technical area was not fully covered. It is planned to complete planned activities in APA2. TB CARE I will work in Uzbekistan through its partner WHO during APA2.

## Health System Strengthening (HSS)

### Technical Outcomes

Expected Outcomes	Outcome Indicators	Indicator Definition	Baseline	Target	Result	Comments	
				Y1	Y1		
<b>1</b>	Improved local human resource capacity, including trainers and e-resources	Number of local trainers trained	Number local trainers trained in each project site	28 (Tash) 5 (Nukus)	2	1	One NTP specialist (male) participated in the IUATLD International training course on strategic planning.
<b>2</b>	Improved patient adherence to treatment	Default rate among TB patients	Default rate among TB patients in project sites disaggregated by TB and MDR TB	4%			Activities were not implemented because of pending registration.
<b>3</b>	Implemented ambulatory model of TB treatment	Number of TB patients who completed treatment ambulatory	Number of TB patients who completed treatment ambulatory in pilot sites disaggregated by TB and MDR TB				Activities were not implemented because of pending registration.

## Key Achievements

- In order to improve NTP's capacity in strategic planning, one specialist from NTP participated in the IUATLD training on strategic planning and innovations. Also, representatives of NTP and prison medical service participated in the regional meeting on harmonization of action plans in TB control. Joint plans of NTP and prison medical service were shared and discussed during the meeting.

## Challenges and Next Steps

- Due to pending registration this technical area was not fully covered. It is planned to complete planned activities in APA2. TB CARE I will work in Uzbekistan through its partner WHO during APA2.

## Monitoring & Evaluation, Surveillance and OR

### Technical Outcomes

Expected Outcomes	Outcome Indicators	Indicator Definition	Baseline	Target	Result	Comments
				Y1	Y1	
1	Improved surveillance system (including MDR TB and TB/HIV)	1)Reporting units at all levels of data flow submitting timely reports according to national guidelines (number and percentage) 2)Feedback from systematic analysis of surveillance and programmatic data and related recommendations provided by central to lower levels	1)Reporting units at all levels of data flow in project sites submitting timely reports according to national guidelines (number and percentage) 2)Reporting units that have received feedback from central level (number and percentage)	1) 2 2) 0	1) 2 2) 2	Assessment was not conducted because of pending registration.

<b>2</b>	Strengthened local capacities on OR	Operations research studies completed & results disseminated (number)	Number of operations research studies completed & results disseminated	0	1	0	Implementation was postponed due to pending office registration in the country and the approval of the workplan by MoH.
----------	-------------------------------------	---	--	---	---	---	---

### Key Achievements

- N/A

### Challenges and Next Steps

- Due to pending registration this technical area was not fully covered. It is planned to complete planned activities in APA2. TB CARE I will work in Uzbekistan through its partner WHO during APA2.

## Drug supply and management

### Technical Outcomes

<b>Expected Outcomes</b>	<b>Outcome Indicators</b>	<b>Indicator Definition</b>	<b>Baseline</b>	<b>Target</b>	<b>Result</b>	<b>Comments</b>
				<b>Y1</b>	<b>Y1</b>	
<b>1</b> Improved drug management in project sites	Number of oblast with quarterly oblast stock information available both for first and second line drugs	Number of oblast in TB CARE I project sites with quarterly oblast stock information available (both for first and second line drugs)/total number of oblasts in project sites	2	4	2	Activity was cancelled in the 3 <sup>rd</sup> quarter

### Key Achievements

- N/A

## **Challenges and Next Steps**

- This activity was cancelled because Quality Health Care project covers this TA.