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**TB CARE I**

# **TB CARE I - CAR Kazakhstan**

**Year 2  
Quarterly Report  
April-June 2012**

**July 30, 2012**

## Quarterly Overview

<b>Reporting Country</b>	<b>CAR-Kazakhstan</b>
<b>Lead Partner</b>	<b>KNCV</b>
<b>Collaborating Partners</b>	
<b>Date Report Sent</b>	16-7-2012
<b>From</b>	Timur Bazikov
<b>To</b>	Arman Toktabayanov
<b>Reporting Period</b>	<b>April-June 2012</b>

<b>Technical Areas</b>	<b>% Completi</b>
1. Universal and Early Access	28%
2. Laboratories	34%
3. Infection Control	33%
4. PMDT	50%
6. Health Systems Strengthening	0%
7. M&E, OR and Surveillance	44%

<b>Overall work plan completion</b>	<b>32%</b>
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### Most Significant Achievements

#### Outpatient care

1. In June, KNCV HQ HRD Consultant Ieva Leimane, TB CARE I Regional Technical Officer Gulnara Kaliakbarova and Regional M&E Officer Aigul Tursynbaeva conducted a mission in Almola oblast to assess the needs and opportunities for piloting an outpatient care model in the oblast. The mission emphasized strong political commitment for the expansion of outpatient care and sufficient existing framework to build on. During the mission, preliminary agreements were secured jointly with TB services, regional government and other stakeholders to set up a taskforce and develop the protocol for the outpatient care model introduction by September 2012.

#### Patient support

1. The mission stated above also focused on the establishment of customized patient support system. The agreement was achieved with Akmola partners to develop a protocol, utilizing a patient centered approach, as part of the outpatient care model.

#### Laboratory

1. Four GeneXpert machines and 3,120 cartridges were procured and shipped to Kazakhstan in April of 2012. Additional supportive equipment for safe GeneXpert functioning was procured in May-June, 2012 (4 printers, 4 UPS, 8 additional batteries for UPS). The machines will be distributed among four facilities in Almaty, Akmola and East Kazakhstan oblasts. To prepare managers, clinicians and lab specialists to utilize the new technology, a four-day TOT workshop and training was conducted in Almaty on June 19-22 for 23 representatives (18 female and 5 male participants) from general and prison TB services at the project sites, on the practical use of Xpert MTB/RIF. The trainings were delivered by PMU Laboratory Consultant Sanne van Kampen, PMU PMDT Consultant Gunta Dravniece and Harm van Heerikhuzen, a lab consultant, joined by CAR Regional Lab Officer Bela Kim. As a result, the trained specialists are ready to operate the machines after they will be shipped to sites in late July.

#### PMDT

1. One-day workshop was conducted in Almaty on June 20 for 14 specialists (12 females, 2 males) from the national and oblast (Akmola oblast, East-Kazakhstan) TB control programs by PMU PMDT Consultant Gunta Dravniece and CAR Regional TB Advisor Maria Idrissova. MDR-TB Coordinators, Deputy Chief Doctor on clinical work, Drug Management Coordinators, Head of Ambulatory units participated in the training. During the workshop, TB CARE I facilitated the finalization of new MDR protocols that provide a more structured, comprehensive and detailed guidance on MDR TB management, including TB/HIV, TB in Children and other components. These protocols will now be reviewed by NTP and will be the basis for new amendments to MDR TB Order # 218 expected to be released later in 2012.

2. On-distance support was provided by an international expert Dr. Ivetta Ozere to finalize the protocol on childhood TB in line with latest WHO recommendations. The final version of the protocol is going to be discussed with the NTP team of pediatricians in July 2012.

#### M&E and OR

1. TB CARE I Regional M&E Officer and Technical Officer conducted a workshop on operational research on the effectiveness of patients support in EKO for 17 participants from National TB program, regional TB dispensary and interviewers in Oskemen. A plan of OR implementation was agreed upon. Also, responsibilities were assigned among research implementers and data collection process was initiated.

2. Specialized M&E software, IBM SPSS Statistics Base was procured in May 2012. The software will be used for TB CARE I internal data management.

#### PMU workshop

During the three day Regional CAR PMU workshop held in Almaty on June 11-13, TB CARE I staff from regional and country offices gathered together to discuss operational, managerial and administrative aspects of the regional program. USAID Mission attended the second part of the third day. The workshop helped the TB CARE I staff better understand the policy and regulations of the current cooperative agreement, M&E approaches and financial management principles.

#### Headquarter staff visits

TB CARE I PMU Director, Maarten van Cleef, visited Almaty on May 14-18, 2012 to participate in the NTP review conducted by WHO. The mission was also combined with meetings with USAID mission in Almaty. KNCV Head unit FP&C, Lucian Roeters and KNCV Financial Controller, Inge Sasburg, visited Almaty on May 29-June 1, 2012 to provide support on the financial management and conduct an internal audit in the regional office.

#### **Technical and administrative challenges**

Finalization and clearance of MOU and Agreements of the free use of GeneXpert machines was undergoing this quarter and is expected to be completed in early July.

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

Global Fund in Kazakhstan continued to provide SLDs under Round 8 for general and prison TB services. GF provided social support to all patients that received GF procured drugs. GF is also planning to procure 9 GeneXpert machines by the end of the year.





## Quarterly Technical Outcome Report

Technical Area		1. Universal and Early Access							
Expected Outcomes	Outcome Indicators	Baseline		Target		Result	Highlights of the Quarter	Challenges and Next Steps to Reach the	
		Data	Year	Data	Year	Y2			
1.2 Increased quality of TB services delivered among all care providers (Supply)	1.2.3 Prisons with DOTS Indicator Value: Percent Numerator: Number of prisons providing DOTS Denominator: Total number of prisons in the country	7 (100%)	2011	7 (100%)	2012	7	All seven TB prisons continued to provide DOTS in the current quarter	Supervisory visits to prisons are scheduled for next quarter	
	1.2.6 [OUTPUT] Description: Protocol on transitional care approved Indicator Value: Yes/No Level: TB CARE project sites Source: TB CARE I Means of Verification: Approved protocol	no	2011	yes	2012	No	Assessment of current transitional care practices was performed in Astana in June by Regional Technical Officer. Following the review, recommendations will be made in APA3 to improve the existing system with a focus on securing treatment adherence of patients from other regions.	The current practice is to transfer ex-prisoners with TB to the TB facility in the same region. This presents a challenge for patients who live in other regions of Kazakhstan and tend to default more often.	
	1.2.7 [ OUTPUT ] Description: Pilot regional model for outpatient care approved by local government Indicator Value: Yes/No Level: TB CARE geographical areas Source: TB CARE I Means of Verification: local order	no	2011	yes	2012	No	<ul style="list-style-type: none"> <li>NTP and Akmola oblast health department gave the official confirmation to TB CARE I to pilot an outpatient care model for TB/MDR-TB patients in Akmola</li> <li>The official decision on the establishment of working group was received from Coordination Council on Health Care Issues under Akmola oblast government. Initial discussions were held to outline the group's authority and responsibilities.</li> </ul>	<ul style="list-style-type: none"> <li>Protocol on outpatient care for oblast (with involvement of NTP) will be drafted in September 2012.</li> <li>A multidisciplinary working group at Akmola region level that will play a leading role on drafting the protocol and promotion of outpatient care is expected to be established in July-August 2012.</li> </ul>	
	1.2.8 [ OUTPUT ] Description: Prisoners put on treatment by SLD Indicator Value: Level: Source: Means of Verification: Numerator: prisoners put on treatment by SLD Denominator: prisoners diagnosed	128 (28.4%)	2011	227 (50.4%)	2012	178 (35.7%)			

Technical Area		2. Laboratories							
Expected	Outcome Indicators	Baseline	Target	Result	Highlights of the Quarter	Challenges and Next			

Outcomes		Data	Year	Data	Year	Y2		Steps to Reach the
2.3 Ensured optimal use of new approaches to the laboratory confirmation of TB and incorporation in national strategic lab plans	2.3.1 New technologies have been introduced Indicator Value: Number for each technique below by Central, Provincial, district and Peripheral levels 1. TB culture 2. First line DST 3. Second-line DST 4. HAIN MTBDRplus 5. GeneXpert 6. LED microscopy	0	2011	Xpert MTB/Rif: Central (NRL) - 1 Provincial - 3	2012	0	Four Xpert machines and 3,120 cartridges were procured in April 2012.  Clinical protocol and diagnostic algorithm for XpertMTB/RIF and SOP were prepared in May 2012.  Four-day training on use of XpertMTB/RIF for clinicians, managers and laboratory specialists from general and prison system from pilot sites was held in Almaty on June 19-22. The trainings were delivered by PMU Laboratory Consultant Sanne van Kampen, PMU PMDT Consultant Gunta Dravniece and Harm van Heerikhuzen, a lab consultant, joined by CAR Regional Lab Officer Bela Kim. 23 participants took part in the training (5 male, 18 female). TB CARE I team jointly with facilitators of training drafted a training program for different target groups.	Next steps will include: Signing of MoU and agreement on free use of XpertMTB/RIF with NTBC and project sites in July 2012. Preparation of rooms for Xpert installation (setting A/C) in July 2012 in pilot sites that include Almaty, Akmola and East Kazakhstan oblast. Adjusting reporting forms for KZ in July 2012. Transportation and installation of GeneXpert machines to TB facilities in July 2012. Holding workshops and trainings on XpertMTB/RIF use and implementation in pilot regions in July-August 2012. Monitoring visits will be conducted after machines will be put in operation in September 2012.
	2.3.2 Laboratories offering rapid tests for TB or drug-resistant TB Indicator Value: Number of laboratories Numerator: Number of laboratories using GeneXpert MTB/RIF and HAIN MTBDRplus disaggregated by type of technology and also disaggregated by national and TB CARE areas.	0	2011	4	2012	0		This activity is delayed because MoU between TB CARE I and NTBC and agreement on free use of XpertMTB/RIF between TB CARE I and pilot facilities are being cleared by USAID.
	2.3.3 Rapid tests conducted Indicator Value: Number of tests Numerator: Annual number of tests (separately for GeneXpert MTB/RIF and HAIN MTBDRplus) conducted disaggregated by national and TB CARE areas.	Total: 0 National - 0 TB CARE sites - 0	2011	Total: 6000 National - 1500 TB CARE sites - 4500	2012	0		This activity is delayed because MoU between TB CARE I and NTBC and agreement on free use of XpertMTB/RIF between TB CARE I and pilot facilities are being cleared by USAID.

**Technical Area 3. Infection Control**

Expected Outcomes	Outcome Indicators	Baseline		Target		Result	Highlights of the Quarter	Challenges and Next Steps to Reach the Target
		Data	Year	Data	Year	Y2		

3.1 Increased TB IC Political Commitment	3.1.1 National TB IC guidelines have been approved and disseminated in accordance with the WHO TB IC policy Indicator Value: Yes/No	No	2011	Yes	2012	No		National TB IC Guideline is under the review of NTP.
3.3 Strengthened TB IC Monitoring & Measurement	3.3.1 Annual reporting on TB disease (all forms) among HCWs is available as part of the national R&R system Indicator Value: Yes/No	No	2011	Yes	2012	No	No interventions conducted this quarter	This activity is likely to be postponed until APA3

Technical Area 4. PMDT		Baseline		Target		Result	Highlights of the Quarter	Challenges and Next Steps to Reach the Target
Expected Outcomes	Outcome Indicators	Data	Year	Data	Year	Y2		
4.1 Improved treatment success of MDR	4.1.5 [OUTPUT] The National MDR TB Guidelines address TB in prisons and provide clinical protocols for prison and civil TB services. Indicator Value: Yes/No Level: National Source: NTP and TB CARE I project Means of Verification: National MDR TB Guidelines	No	2011	Yes	2012	No	1. One day workshop was conducted in Almaty on June 20 for 14 specialists from the national and oblast (Akmola oblast, East-Kazakhstan) TB control programs by PMU PMDT Consultant Gunta Dravniece and CAR Regional TB Advisor Maria Idrissova. MDR-TB Coordinators, Deputy Chief Doctor on clinical work, Drug Management Coordinators, Head of Ambulatory units participated in the training. During the workshop, TB CARE I facilitated the finalization of new MDR protocols that provide a more structured, comprehensive and detailed guidance on MDR-TB management, including TB/HIV, TB in Children and other components. 2. On-distance support was provided by an international expert Dr. Ivetta Ozere to finalize the protocol on childhood TB in line with latest WHO	These protocols will now be reviewed by NTP and will be the basis for new amendments to MDR-TB Order #218 expected to be released later in 2012. Follow up workshops to introduce the new MDR-TB protocols will be conducted in pilot regions in August-September 2012. The final version of the protocol on TB in children is going to be discussed with the NTP team of pediatricians in July 2012.
	4.1.6 [OUTPUT] Number of prison and civil service staff trained on PMDT within the last year using TB CARE I funds. Indicator Value: Number Level: TB CARE I geographic areas Source: TB CARE I Means of Verification: TB CARE I training reports/quarterly reports	0	2011	40	2012	14 (35%)	14 (12 females, 2 males) representatives from general and prison services were trained in the new PMDT protocols in June 2012.	Additional PMDT trainings will be conducted in pilot sites in Akmola and East Kazakhstan oblasts next quarter

Technical Area 6. Health Systems Strengthening								
Expected Outcomes	Outcome Indicators	Baseline		Target		Result	Highlights of the Quarter	Challenges and Next Steps to Reach the Target
		Data	Year	Data	Year	Y2		
6.2 TB control components (drug supply and management, laboratories, community care, HRD and M&E) formed integral part of national plans, strategies and service delivery of these components	6.2.1 Supervisory visits conducted according to country supervisory standards Indicator Value: Percent Numerator: Number of annual supervisory visits conducted disaggregated by three levels. Denominator: Number of annual supervisory visits planned disaggregated by three levels.	50% (3 out of 6 planned)	2011	100% (8 out of 8 planned)	2012	0	Activity will be conducted next quarter	
	6.2.3 People trained using TB CARE funds Indicator Value: Number of people trained disaggregated by gender and type of training.	21 people trained: 1. Childhood TB in Riga - 5 specialists (all women) 2. IUATLD training on Strategic planning - 2 (all female) 3. TB-IC in Vladimir - 4 people (all male) 5. Drug management - 10 people (9 female, 1 male)	2011	210 specialists from prison and civil health care sectors: 1. Xpert MTB/Rif: - 72 specialists (managers, laboratory staff, clinicians) from 4 sites 2. TB-IC monitoring and measurement - 16 3. Refresh on M(XDR)TB - 60 doctors and 60 nurses from prison and civil TB services in 2 project sites 4.	2012	54 (25,7%)	TB CARE I trained 54 specialists (8-Male, 46-Female) from prison and civil health care sectors: 1. Xpert MTB/Rif, June 19-22: - total 23 (5-Male, 18-Female) specialists (managers, laboratory staff, clinicians) from 4 sites 2. PMDT:- MDR protocols, June 20: -total 14 specialists (2-Male, 12-Female) 3. OR on the effectiveness of patient support in EKO, June 16-23: total 17 specialists (1-Male, 16-Female)	

Technical Area 7. M&E, OR and Surveillance								
Expected Outcomes	Outcome Indicators	Baseline		Target		2. TB-IC	Highlights of the Quarter	Challenges and Next Steps to Reach the Target
		Data	Year	Data	Year	Y2		
								- 72 specialists (managers, laboratory staff, clinicians) from 4 sites

7.1 Strengthened TB surveillance	7.1.3 Surveillance data are internally consistent Indicator Value: Percent (per quarter) Numerator: Number of complete reports received from DOTS clinics per quarter in one calendar year. Denominator: Total number of DOTS clinics in the country.	87% (36 out of 41)	2011	95% (39 out of 41)	2012	87%	TB CARE I Regional M&E Officer conducted a mission for the assessment of existing electronic surveillance system in the Prison Service. The mission was conducted on June 27-29. TB CARE I Regional M&E Officer, jointly with Prison Service representatives, developed recommendations to improve electronic surveillance system in prisons.	<ol style="list-style-type: none"> <li>1. To build a system of proper electronic surveillance of tuberculosis, based on real data on tuberculosis in prisons, by December 2012.</li> <li>2. To prepare electronic surveillance system in the prison sector for the transfer to the common MOH platform by December 2012.</li> </ol>
7.3 Improved capacity of NTPs to perform operational research	7.3.1 OR studies completed and results incorporated into national policy/guidelines Indicator Value: Number (of OR studies and instances reported separately)	0	2011	1	2013	0	TB CARE I Regional M&E Officer and Technical Officer conducted a workshop on operational research on the effectiveness of patients support in EKO for 17 participants from National TB program, regional TB dispensary and interviewers in Oskemen. A plan of OR implementation was agreed upon. Also, responsibilities were assigned among research implementers and data collection process was initiated.	<ol style="list-style-type: none"> <li>1. On-going data collection in EKO in July-September 2012.</li> <li>2. Installement of Epi-data in two dispensaries in EKO in August 2012.</li> <li>3. Supportive supervision visits to EKO in August-September 2012.</li> </ol>

## Quarterly Activity Plan Report

1. Universal and Early Access				Approved Budget	Cumulative Completion	Planned Completion		Cumulative Progress and Deliverables up-to-date
Outcome	Activity #	Activity	Activity Leader			Month	Year	
1.2 Increased quality of TB services delivered among all care providers (Supply)	1.2.1	Medium term plan for implementation of integrated framework for TB control in prisons	KNCV	11.056	0%			Activity will be conducted next quarter
	1.2.2	Introduction of medium term plans for implementation of integrated framework for TB control in prisons in TB CARE project sites	KNCV	7.313	0%			Activity will be conducted next quarter
	1.2.3	Transitional care mechanism	KNCV	9.130	25%			Assessment of current transitional care practices was performed in Astana on June 27-29 by Regional Technical Officer. Following the review, recommendations will be made to improve the existing system with a focus on securing treatment adherence of patients from other regions.
	1.2.4	Analysys of site capacities and needs for piloting outpatient model of care	KNCV	4.680	100%			In June, KNCV HQ HRD Consultant Ieva Leimane, TB CARE I Regional Technical Officer Gulnara Kaliakbarova and Regional M&E Officer Aigul Tursynbaeva conducted a mission in Almola oblast to assess the needs and opportunities for piloting a outpatient care model in the oblast. The mission emphasized strong political committment for the expansion of outpatient care and sufficient existing framework to build on. During the mission, preliminary agreements were secured jointly with TB Service, regional government and other stakeholders to set up a taskforce and develop the protocol for the outpatient care model introduction by September 2012. Round table on piloting outpatient care was conducted with participation of 21 representatives of TB and PHC services, SES, department of socail affairs, prison system and NGOs (17 females and 4 males) during the mission.
	1.2.5	Development of protocol for piloting outpatient model of care	KNCV	1.385	0%			Activity will be conducted next quarter

	<b>1.2.6</b>	Creating patient support system in Akkola	KNCV	16.877	0%			A mission to Akkola oblast on establishment of patient support system was conducted on June 18 - 22 by Regional Technical and M&E Officers. HQ HRD Consultant, Ieva Leimane attended the mission. Round table was conducted with participation of 21 representatives of TB and PHC services, SES, department of social affairs, prison system and NGOs (17 females and 4 males) during mission. TB CARE I achieved agreement to develop protocol on patient support system as a part of protocol on outpatient care.
	<b>1.2.7</b>	Development of protocol for patient support system in Akkola	KNCV	2.730	25%			The same June mission to Akkola oblast also focused on the establishment of customized patient support system. The agreement was achieved with Akkola partners to develop a protocol, utilizing a patient centered approach, as part of the outpatient care model.
	<b>1.2.8</b>	Support to institutionalization of patient support system in EKO	KNCV	7.642	0%			Activity will be conducted next quarter
	<b>1.2.9</b>	TB CARE mission on strategy development	KNCV	46.255	100%			The strategy papers on TB in prisons introduction of GeneXpert, outpatient care and TB in migrants have been developed, submitted to USAID and approved, with the exception of the TB in migrants strategy.
					28%			

2. Laboratories			Activity Leader	Approved Budget	Cumulative Completion	Planned Completion		Cumulative Progress and Deliverables up-to-date
Outcome	Activity #	Activity				Month	Year	
2.3 Ensured optimal use of new approaches to the laboratory confirmation of TB and incorporation in national strategic lab plans	<b>2.3.1</b>	Xpert MTB/Rif implementation plan, diagnostic algorithm, clinical protocol, SOP	KNCV		100%			XpertMTB/RIF implementation plan was developed in May 2012. Clinical protocol and diagnosis algorithm were approved in May 2012. Xpert MTB/RIF SOP adopted and discussed with NTP in May 2012.
	<b>2.3.2</b>	Procurement of equipment for Xpert MTB/Rif	KNCV	80.737	75%			Four Xpert machines and 3120 cartridges were procured in April 2012. Additional supportive equipment was procured in May-June, 2012 (4 printers, 4 UPS, 8 additional batteries for UPS)
	<b>2.3.3</b>	Press conference on Xpert MTB/Rif	KNCV	7.188	0%			Activity will be conducted next quarter

	<b>2.3.4</b>	Round-table and workshops on implementation of Xpert MTB/Rif in Akmola and East Kazakhstan	KNCV	10.810	0%			Activity will be conducted next quarter
	<b>2.3.5</b>	Training on Xpert MTB/Rif in Almaty	KNCV	7.280	100%			Four-day training on practical use of XpertMTB/RIF for clinicians, managers and lab specialists from civil and prison system of pilot sites was held on June 19-22. 23 participants (5 male, 18 female) participated in the training. TB CARE I jointly with facilitators drafted a general program for training of different target groups in June 2012.
	<b>2.3.6</b>	Training on Xpert MTB/Rif in Akmola and East Kazakhstan	KNCV	13.048	0%			Activity will be conducted next quarter
	<b>2.3.7</b>	Adaptation of generic M&E plan for implementation of Xpert MTB/Rif	KNCV	400	0%			Activity will be conducted next quarter
	<b>2.3.8</b>	Monitoring visits to Xpert sites	KNCV	15.540	0%			Activity will be conducted next quarter
					<b>34%</b>			

<b>3. Infection Control</b>								
Outcome	Activity #	Activity	Activity Leader	Approved Budget	Cumulative Completion	Planned Completion		Cumulative Progress and Deliverables up-to-date
						Month	Year	
3.1 Increased TB IC Political Commitment	<b>3.1.1</b>	Chapter/guideline on TB-IC in prisons	KNCV	11.448	75%			Guideline has been developed and is under the review of NTP.
Outcome	Activity #	Activity	Activity Leader	Approved Budget	Cumulative Completion	Month	Year	Cumulative Progress and Deliverables up-to-date
3.3 Strengthened TB IC Monitoring & Measurement	<b>3.3.1</b>	Training on TB-IC monitoring & measurements	KNCV	49.510	0%			Activity will be conducted next quarter
	<b>3.3.2</b>	Procurement of IC equipment	KNCV	82.080	25%			The process of procurement has been started in June 2012. 10 anemometers, 54 kits of smoke tube tests, 10 sets of fit test, 200 door closers are under local procurement. The procurement will be complete next quarter.
					<b>33%</b>			

<b>4. PMDT</b>								
Outcome	Activity #	Activity	Activity Leader	Approved Budget	Cumulative Completion	Planned Completion		Cumulative Progress and Deliverables up-to-date
						Month	Year	

4.1 Improved treatment success of MDR	4.1.1	Workshop on application of M/XDR/TB protocols including children	KNCV	8.912	 100%			One-day workshop was conducted in Almaty on June 20 for 14 (12 females, 2 males) specialists from the national and oblast (Akmola oblast, East-Kazakhstan) TB control programs by PMU PMDT Consultant Gunta Dravniece and CAR Regional TB Advisor Maria Idrissova. MDR-TB Coordinators, Deputy Chief Doctor on clinical work, Drug Management Coordinators, Head of Ambulatory units participated in the training. During the workshop, TB CARE I facilitated the finalization of new MDR protocols that provide a more structured, comprehensive and detailed guidance on MDR TB management, including TB/HIV, TB in Children and other components. These protocols will now be reviewed by NTP and will be the basis for new amendments to MDR TB Order #218 expected to be released later in 2012.
	4.1.2	Introduction of (M/XDR)TB protocols for doctors from civil and prison sectors in TB CARE project sites	KNCV	43.798	 0%			Activity will be conducted next quarter
					 50%			

6. Health Systems Strengthening				Approved Budget	Cumulative Completion	Planned Completion		Cumulative Progress and Deliverables up-to-date
Outcome	Activity #	Activity	Activity Leader			Month	Year	
6.2 TB control components (drug supply and management, laboratories, community care, HRD and M&E) formed integral part of national plans, strategies and service delivery of these components	6.2.1	Supervisory visits on TB control in prisons	KNCV	16.223	 0%			Activity will be conducted next quarter
	6.2.2	Strengthening of local capacities	KNCV	52.080	 0%			Preparations are made for four Kazakhstan representatives to participate in MDR TB trainings in Tartu, Estonia next quarter
					 0%			

7. M&E, OR and Surveillance			Activity Leader	Approved Budget	Cumulative Completion	Planned Completion		Cumulative Progress and Deliverables up-to-date
Outcome	Activity #	Activity				Month	Year	
7.1 Strengthened TB surveillance	7.1.1	Surveillance and M&E system in prisons	KNCV	23.776	 25%			Assessment visit to assess the existing electronic surveillance system in the prison system was conducted on June 27-29 by Regional M&E Officer. During the mission, TB CARE I developed recommendations to improve electronic surveillance system in the prison health care sector.
	7.1.2	Supportive supervision to prison and civil TB services to improve surveillance and M&E system in project sites	KNCV	2.685	 0%			Activity will be conducted next quarter
Outcome	Activity #	Activity	Activity Leader	Approved Budget	Cumulative Completion	Month	Year	Cumulative Progress and Deliverables up-to-date
7.3 Improved capacity of NTPs to perform operational	7.3.1	Procurement of Software	KNCV	4000	 100%			Procurement of specialized M&E software, IBM SPSS Statistics Base was made in May, 2012
	7.3.1	Operational research on effectiveness of patient support system in East Kazakhstan	KNCV	37.160	 50%			A workshop on operational research on the effectiveness of patient support in EKO for 17 participants (16 female, 1 male) from National TB program, regional TB dispensary and interviewers was held in Oskemen, on May 16-18. TB CARE I agreed upon a plan on operational research implementation, with TB services; a process of division of responsibilities and data collection was initiated right after the mission.

## Quarterly MDR-TB Report

Country	CAR-Kazakhstan
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#REF!	#REF!
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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
Jan-Dec 2010	7336	5740
Jan-Sep 2011	5835	3919
Oct-Dec 2011	1654	661
<b>Total 2011</b>	7386	5311
Jan-Mar 2012	1902	1342
Apr-Jun 2012		
<b>To date in 2012</b>	1902	1342

#### PMDT

1. One-day workshop was conducted in Almaty on June 20 for 14 specialists from the national and oblast (Akmola oblast, East-Kazakhstan) TB control programs. MDR-TB Coordinators, Deputy Chief Doctor on clinical work, Drug Management Coordinators, Head of Ambulatory units participated in the training. During the workshop, TB CARE I facilitated the finalization of new MDR protocols that provide a more structured, comprehensive and detailed guidance on MDR TB management, including TB/HIV, TB in Children and other components. These protocols will now be reviewed by NTP and will be the basis for new amendments to MDR TB Order #218 expected to be released later in 2012.

2. On-distance support was provided by an international expert Dr. Ivetta Ozere to finalize the protocol on childhood TB in line with latest WHO recommendations. The final version of the protocol is going to be discussed with the NTP team of pediatricians in July 2012.

## Quarterly GeneXpert Report

Country	CAR-Kazakhstan
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#REF!	#REF!
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**Table 1: TB CARE I-funded GeneXpert instruments and cartridges procured or planned by quarter**

	Procured			# still planned for procurement in APA 2	Month, Year procurement planned (i.e. July 2012)
	Jan-Dec 2011	Jan-Jun 2012	Cumulative Total		
# GeneXpert Instruments	0	4	4	0	
# Cartridges	0	3120	3120	2880	September 2012

**Table 2: Cumulative List of GeneXpert Instruments Procured to Date or Planned in the Next Quarter**

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) <sup>1</sup>	Partner/ Implementing Organization; Additional Comments
Procured	GeneXpert IV GXIV-4-D	4	NTP	USAID	NTP
Procured	GeneXpert IV GXIV-4-D	4	Almaty City TB dispensary	USAID	Almaty City TB dispensary
Procured	GeneXpert IV GXIV-4-D	4	Oskemen Regional TB dispensary	USAID	Oskemen Regional TB dispensary
Procured	GeneXpert IV GXIV-4-D	4	Kokshetau Regional TB dispensary	USAID	Kokshetau Regional TB dispensary
	5				
	6				
	7				
	8				

<sup>1</sup> 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**

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) <sup>1</sup>	Comments
Procured	1	780	NTBC	USAID	
Procured	2	780	Almaty city dispensary	USAID	
Procured	3	780	Akmola oblast (Kokshetau RTBD)	USAID	
Procured	4	780	East Kazakhstan	USAID	
Planned	5	720	NTBC	USAID	
Planned	6	720	Almaty city dispensary	USAID	
Planned	7	720	Akmola oblast (Kokshetau RTBD)	USAID	
Planned	8	720	East Kazakhstan	USAID	

\*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)

4 machines and 3 120 cartridges are received

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

No major problems encountered

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

Four GeneXpert machines and 3,120 cartridges were procured and shipped to Kazakhstan in April of 2012. The machines will be distributed among four facilities in Almaty, Akmola and East Kazakhstan oblast. To prepare managers, clinicians and lab specialists to utilize the new technology, a four-day TOT workshop and training was conducted in Almaty on June 19-22 for 20 representatives from general and prison TB services at the project sites, on the practical use of Xpert MTB/RIF. The course was based on the generic training program which was adopted to country specifics. As a result, the trained specialists are ready to operate the machines after they will be

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

### Workshop and training "XpertMTB/RIF for rapid diagnosis MDR TB in Kazakhstan", June 19-20, 2012



Participants of XpertMTB/RIF workshop and training during session, June 19, 2012

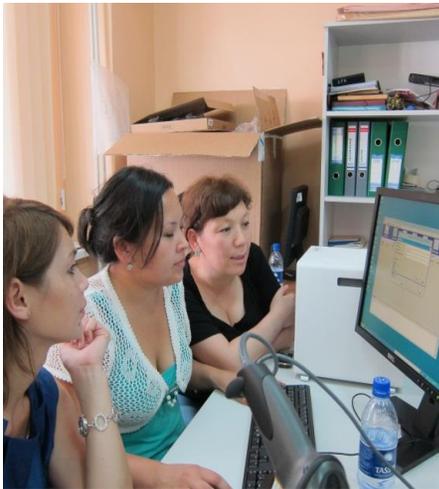


Harm van Heerikhuizen shows preparation of sputum samples for XpertMTB/RIF to participants

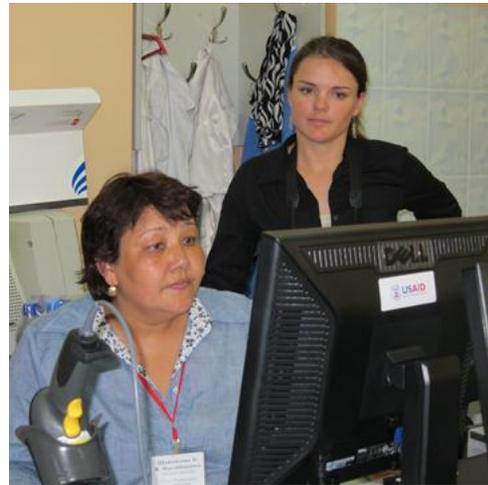


Manuela Rehr presents the impact of XpertMTB/RIF in TB service, June 19, 20

Head of Almaty City TB Dispensary prepares a sputum sample, June 20, 2012



**Participants work with GeneXpert machine, June 21, 2012**



**Sanne van Kampen helps lab specialist from Akmol TB Dispensary to operate with software of XpertMTB/RIF, June 22 2012**



**Participants and facilitators discuss XpertMTB/RIF results, June 22, 2012**

**Inventory List of Equipment - TB CARE I**



**TB CARE I**

<b>Organization:</b>	<b>TB CARE I</b>
<b>Country:</b>	<b>CAR-Kazakhstan</b>
<b>Reporting period:</b>	<b>April-June 2012</b>
<b>Year:</b>	<b>APA 2</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 #
GeneXpert GXIV-4-D	801620A	February 27, 2012	\$17.000,00		NCPT	new			
GeneXpert GXIV-4-D	801621A	February 27, 2012	\$17.000,00		NCPT	new			
GeneXpert GXIV-4-D	801622A	February 27, 2012	\$17.000,00		NCPT	new			
GeneXpert GXIV-4-D	801636	February 27, 2012	\$17.000,00		CTBD	new			
Set of Cartridges	CGXMTB/RIF-10	February 27, 2012	\$52.603,20		NCPT, CTBD	new			
Smart-UPS for GX (3 numbers)	SUA1000XLI APC	April 28, 2012	\$2.237,00	239,68	NCPT, CTBD	new			
HP LaserJet+cable	P1102	May 4, 2012	\$485,50	52,02	NCPT, CTBD	new			
Administration: Monitor TFT Samsung 21"	S22A350HS	May 4, 2012	\$227,81	24,41	KNCV RO, Almaty	new		TB CARE I Program Director,	
Smart-UPS for GX (3 numbers) (1 number)	SUA1000XLI APC	May 8, 2012	\$759,65	81,39	NCPT, CTBD	new			
Additional batteries for UPS (GX) (8 numbers)	SUA24XLBP APC	May 8, 2012	\$3.231,71	346,25	NCPT, CTBD	new			
Administration: Office cell-phone	Nokia 1280, IMEI:	May 16, 2012	\$34,29	3,67	KNCV RO, Almaty	new			
M&E Software: IBM SPSS Statistics Base+IBM	D0EJ9LL	May 28, 2012	\$3.669,00	0,00	KNCV RO, Almaty	new		Regional M&E officer,	

(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