

OFFICIAL DOCUMENTS

Ln 8663-BY

Supplemental Letter No. 2

REPUBLIC OF BELARUS

Date November 25, 2016

International Bank for Reconstruction and Development
1818 H Street, N.W.
Washington, D.C. 20433
United States of America


Re: Loan No. 8663-BY
(Health System Modernization Project)
Performance Monitoring Indicators

Dear Sirs and Mesdames:

This refers to paragraph A.1 of Section II of Schedule 2 to the Loan Agreement of even date herewith between the Republic of Belarus (the Borrower) and the International Bank for Reconstruction and Development (the Bank). The Borrower hereby confirms to the Bank that the indicators set out in the attachment to this letter shall serve as a basis for the Borrower to monitor and evaluate the progress of the Project and the achievement of the objectives

Very truly yours,

REPUBLIC OF BELARUS

By 
Authorized Representative

Loan No. 8663-BY
Belarus: Health System Modernization Project

Project Development Objectives

PDO Statement

The project development objective is to contribute to improving selected aspects of the quality of health care delivery in the Republic of Belarus.

These results are at

Project Level

Project Development Objective Indicators

Indicator Name	Baseline	Cumulative Target Values				
		YR1	YR2	YR3	YR4	End Target
1. Percentage of selected health facilities (PHC centers/ambulatories, polyclinics, hospitals, and diagnostic centers) that can electronically exchange patient summaries	0%		20%	40%	80%	100%
2. Number of oblasts using e-prescription (cumulative)	1	1	1	3	4	7
3. Percentage of trained PHC doctors in clinical skills at BelMapo Simulation Training Center and at Medical Universities skills labs according to standards (emergency services among others)-cumulative	0%	0%	0%	10%	30%	50%
4. Percentage increase in survival rate of newborns at the Intensive Neonatal Department of the RCMC	78%			82%		86%
5. Percentage of diabetes patients who received A1C blood sugar test once a year	30%			50%		80%

Intermediate Results Indicators

Indicator Name	Baseline (2016)	Cumulative Target Values				
		YR1	YR2	YR3	YR4	End Target (2021)
1. Establishment of CHIS implementation unit at the RSPC MT and fully functional	0		1	1	1	1

2. Percentage of PHC doctors in selected health facilities using clinical decision making tools	0	0	0%	20%	60%	100%
3. Percentage of PHC doctors in selected health facilities receiving patients' summaries from specialists after hospital discharge (report on all relevant health information sent from specialists to PHC)	0	0	20%	40%	80%	100%
4. Central database operational	0			1		1
5. Increase in patients' satisfaction with e-prescription	1%			20%		70%
6. Number of health care specialists trained in emergency medical care at BelMapo, including using simulation equipment (cumulative) (disaggregated by gender)	0	1500	3000	4500	6000	7500
7. BelMapo Simulation Center constructed and equipped	0	0	0	0	1	1
8. Clinical skill labs at (a) Medical Universities; and (b) Colleges rehabilitated and equipped			a)2; b)7	a)2; b)10		a)4; b)17
9. Training modules for core specialties at BelMapo new Simulation Center developed and approved by MoH (GP, ER, surgery, obstetrics-gynecology, dentistry, anesthesiology, neonatal)	0	3 developed	3 approved 4 developed	7 developed and approved		7 approved and implemented
10. Reduction in average length of stay of infants at the Intensive Neonatal Department (days)	11.5			11		10
11. Neonatal department constructed and equipped	0			1		1
12. Clinical decision making tool on quality of neonatal care developed and used	0		1 developed	1 approved and used		1
13. Percentage of training participants in training institutions: BelMapo new Simulation Center, medical universities, and medical colleges satisfied with the technical effectiveness and quality of the training	0 (on the three types of institutions)	0	0	60% of all participants		80% of all participants
14. Construction of a nursing and breast milk pumping room in the new neonatal department (y/n);	No			Yes	Yes	Yes
15. Number of departments in each of training institutions (BelMapo, medical universities and medical colleges) offering trainings on sexual and reproductive health	2			20		All departments
16. Grievances registered related to delivery of project benefits addressed (%)	0.00	0.00	0.00	100	100	100

Indicator Description

Project Development Objective Indicators				
Indicator Name	Description (indicator definition and so on)	Frequency	Data Source / Methodology	Responsibility for Data Collection
1. Percentage of selected health facilities (PHC centers/ambulatories, polyclinics, hospitals, and diagnostic centers) that can electronically exchange patient summaries	Numerator: number of selected health facilities in project areas able to transmit and retrieve patient summaries (medical reports with results of lab. tests, images, and so on) to and from CHIS (central database); denominator: number of selected health facilities in oblasts and Rayons, and Minsk City covered by Project interventions under Component 1	Annually	Progress report from RSPC MT	PMU
2. Number of oblasts using e-prescription	Number of oblasts and Minsk City. E-prescription central service is established for health care institutions and pharmacies in the oblast. (Baseline refers to Minsk City)	Annually	Progress report from RSPC MT on connected facilities to e-prescription central service; also validated on a sample size based on field visits of the Bank and PMU of facilities	PMU
3. Percentage of trained PHC doctors in clinical skills at BelMapo Simulation Training Center and at Medical Universities skills labs according to standards (emergency services among others) (cumulative)	Numerator: number of PHC doctors who received clinical skills training at BelMapo Simulation Training Center and at Medical Universities skills labs according to standardized curriculum approved by MoH Denominator: total number of PHC doctors, who should pass training at BelMapo and Medical Universities to become a GP during the reporting year	Semi-Annually	Progress report from RSPC MT and training institutions	PMU, BelMapo, medical universities
4. Percentage increase in survival rate of newborns at the Intensive Neonatal Department of the RCMC	Numerator: Number of newborns with low birth weight (between 500 and 1500 grams) surviving (within first 28 days) Denominator: Total number of newborns with low birth weight (between 500 and 1500 grams) hospitalized at the Department	Annually	Progress Report from RCMC	PMU, RCMC
5. Percentage of diabetes patients who received A1C blood sugar test once a year	Numerator: Number of diabetes patients who received a A1C blood sugar test once a year Denominator: Total number of diabetes patients	Annually	Diabetes Registry Reports	MoH

Intermediate Results Indicators

Indicator Name	Description (indicator definition and so on)	Frequency	Data Source / Methodology	Responsibility for Data Collection
1. Establishment of CHIS implementation unit at the RSPC MT and fully functional	MoH Order to define mandate and staffing of Department on e-Health at the RSPC MT	Once	MoH Order	MoH
2. Percentage of PHC doctors in selected health facilities using clinical decision making tools	Numerator: Number of PHC doctors using clinical decision making tools Denominator: Total number of PHC doctors in selected health facilities	Annually	Progress report	PMU
3. Percentage of PHC doctors in selected health facilities receiving patients' summaries from specialists after hospital discharge (report on all relevant health information sent from specialists to PHC)	Numerator: Number of PHC doctors receiving patients' summaries from specialists Denominator: Total number of PHC doctors in selected health facilities	Annually	Progress report	PMU
4. Central database operational	Central database functional	Once	Progress report	PMU
5. Increase in patients' satisfaction with e-prescription	Numerator: Percentage of satisfied patients Denominator: Total number of respondents	Mid-term review and end of Project	Survey (2)	PMU
6. Number of health care specialists trained in emergency medical care at BelMapo, including using simulation equipment (cumulative) (disaggregated by gender)	Number of male and female health care specialists trained at BelMapo in emergency medical care	Annually	Progress report	BelMapo
7. BelMapo Simulation Center constructed and equipped	Construction and equipping of BelMapo Simulation Center	Annually	Progress report	PMU
8. Clinical skill labs in (a) Medical Universities; and (b) Colleges rehabilitated and equipped	Number of medical universities and colleges rehabilitated and equipped	Annually	Progress report	PMU
9. Training modules for core specialties at BelMapo new Simulation Center developed	Number of training modules for core specialties at BelMapo new Simulation Center developed and approved by MoH	Annually	Progress report	MoH

and approved by MoH (GP, ER, surgery, obstetric-gynecology, dentistry, neonatal, anesthesiology)				
10. Reduction in average length of stay of infants at the Intensive Neonatal Department (days)	Average length of stay of infants	Annually	Progress report	MoH
11. Neonatal department constructed and equipped		Annually	Progress report	PMU
12. Clinical decision making tool on quality of neonatal care developed and used	Number of clinical decision making tool on quality of neonatal care developed and used	Annually	Progress report	PMU
13. Percentage of training participants in training institutions: BelMapo new Simulation Center, medical universities and medical colleges satisfied with the technical effectiveness and quality of the training	Numerator: Percentage of satisfied participants Denominator: Total number of respondents	Annually	Survey	BelMapo
14. Construction of a nursing and breast milk pumping room in the new neonatal department (y/n);		Once	Progress report	PMU
15. Number of departments in each training institution (BelMapo, medical universities, medical colleges) offering trainings on sexual and reproductive health		Annually	Progress report	BelMapo
16. Grievances registered related to delivery of project benefits addressed (%)	This indicator measures the transparency and accountability mechanisms established by the project so the target beneficiaries have trust in the process and are willing to participate, and feel that their grievances are attended to promptly by MoH and subordinate institutions related to Project activities.	Annual	Progress report from PMU	MoH/BelMapo/Intensive Neonatal Department of RCMC/medical universities and medical colleges