Supplemental Letter No. 2

UKRAINE

March 19, 2015

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

Re: Loan No. 8475-UA (Serving People, Improving Health Project)
Performance Monitoring Indicators

Dear Sirs and Mesdames:

Referring to the provisions of Section II.A of Schedule 2 to the Loan Agreement between Ukraine (Borrower) and the International Bank for Reconstruction and Development (Bank) for the above-captioned Project, 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 thereof.

Very truly yours,

UKRAINE

By
Authorized Representative

Attachment
Improving Health Service for the Population Project
Performance Monitoring Indicators

**Project Development Objective:** The proposed Serving People, Improving Health Project seeks to improve the quality of health services in selected Oblasts, with special focus on primary and secondary prevention of CVDSs and cancer, and to enhance efficiency of the health care system.

<table>
<thead>
<tr>
<th>Indicator Name</th>
<th>Unit of Measure</th>
<th>Baseline</th>
<th>Target Values</th>
<th>Frequency</th>
<th>Data Source</th>
<th>Responsibility for data collection</th>
</tr>
</thead>
<tbody>
<tr>
<td>PDO Indicator 1: Early detection of cervical and breast cancer as measured: a) Ratio of new in situ to new invasive cervical cancer</td>
<td>a) ratio</td>
<td>a) 0.79</td>
<td>a) 0.79</td>
<td>Annual</td>
<td>Expert analysis of medical records and administrative data (Form 35, Form 7)</td>
<td>MoH, Oblast (Lviv)</td>
</tr>
<tr>
<td></td>
<td>b) % of all new breast cancer</td>
<td>b) 21.8</td>
<td>b) 22.0</td>
<td>a) 0.80</td>
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<tr>
<td>PDO Indicator 2: High blood pressure under control as measured by the share of patients aged 40-60 achieving target level of blood pressure (measure is 140/90mmHg)</td>
<td>% of patients aged 40-60 whose blood pressure is controlled (achieved target level of BP) out of all patients aged 40-60 diagnosed with hypertension over past 12</td>
<td>15.4</td>
<td>15.7</td>
<td>16</td>
<td>17.5</td>
<td>18</td>
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</table>

1 Baseline is indicated for 2013 (the most recent data available), unless otherwise stated.
2 Indicators are tracked either at the national or at regional level (for Oblasts, where relevant activities are planned). These oblasts are specified in column “Responsibility for data collection”
3 In 2013 in Lviv oblast there were 181 cases detected at stage 0 (in situ) and 229 cases of invasive cancer (stages I-IV), the ratio is calculated as number of 0 stage cases divided by number of all invasive cancer cases
4 The current baseline is based on data from Poltava Oblast. This baseline would be refined based on an expert analysis of medical documentation to be conducted during Year 1 of the Project.
Baseline is based on study conducted on medical records in Region 01 East. This baseline will be revised based on a facility study planned for Year 1 of the Project.

<table>
<thead>
<tr>
<th>MELI Options</th>
<th>Obstetric</th>
<th>Reports from</th>
<th>Months</th>
<th>33</th>
<th>36</th>
<th>40</th>
<th>45</th>
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Intermediate Results Indicators

<table>
<thead>
<tr>
<th>Indicator</th>
<th>Description</th>
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<tbody>
<tr>
<td>PDO 1</td>
<td>Number of patients per 1000 population numbers of hospitals in Region 01 East who received admission with ST elevation myocardial infarction (STEMI) and primary percutaneous coronary intervention (PCI) or equivalent procedure</td>
</tr>
<tr>
<td>PDO 2</td>
<td>Number of patients per 1000 population numbers of hospitals in Region 01 East who received admission with ST elevation myocardial infarction (STEMI) and primary percutaneous coronary intervention (PCI) or equivalent procedure</td>
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<tr>
<td>PDO 3</td>
<td>Number of patients per 1000 population numbers of hospitals in Region 01 East who received admission with ST elevation myocardial infarction (STEMI) and primary percutaneous coronary intervention (PCI) or equivalent procedure</td>
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<table>
<thead>
<tr>
<th>Indicator</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>PDO 4</td>
<td>Number of patients per 1000 population numbers of hospitals in Region 01 East who received admission with ST elevation myocardial infarction (STEMI) and primary percutaneous coronary intervention (PCI) or equivalent procedure</td>
</tr>
<tr>
<td>PDO 5</td>
<td>Number of patients per 1000 population numbers of hospitals in Region 01 East who received admission with ST elevation myocardial infarction (STEMI) and primary percutaneous coronary intervention (PCI) or equivalent procedure</td>
</tr>
<tr>
<td>PDO 6</td>
<td>Number of patients per 1000 population numbers of hospitals in Region 01 East who received admission with ST elevation myocardial infarction (STEMI) and primary percutaneous coronary intervention (PCI) or equivalent procedure</td>
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<table>
<thead>
<tr>
<th>Indicator</th>
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<tbody>
<tr>
<td>PDO 7</td>
<td>Number of patients per 1000 population numbers of hospitals in Region 01 East who received admission with ST elevation myocardial infarction (STEMI) and primary percutaneous coronary intervention (PCI) or equivalent procedure</td>
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<tr>
<td>PDO 8</td>
<td>Number of patients per 1000 population numbers of hospitals in Region 01 East who received admission with ST elevation myocardial infarction (STEMI) and primary percutaneous coronary intervention (PCI) or equivalent procedure</td>
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<tr>
<td>PDO 9</td>
<td>Number of patients per 1000 population numbers of hospitals in Region 01 East who received admission with ST elevation myocardial infarction (STEMI) and primary percutaneous coronary intervention (PCI) or equivalent procedure</td>
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<table>
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<th>Indicator</th>
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<td>PDO 10</td>
<td>Number of patients per 1000 population numbers of hospitals in Region 01 East who received admission with ST elevation myocardial infarction (STEMI) and primary percutaneous coronary intervention (PCI) or equivalent procedure</td>
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<tr>
<td>PDO 11</td>
<td>Number of patients per 1000 population numbers of hospitals in Region 01 East who received admission with ST elevation myocardial infarction (STEMI) and primary percutaneous coronary intervention (PCI) or equivalent procedure</td>
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<tr>
<td>PDO 12</td>
<td>Number of patients per 1000 population numbers of hospitals in Region 01 East who received admission with ST elevation myocardial infarction (STEMI) and primary percutaneous coronary intervention (PCI) or equivalent procedure</td>
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<tr>
<td>Number of cancer screening procedures performed:</td>
<td>Total number of procedures performed following specific protocols</td>
</tr>
<tr>
<td>-----------------------------------------------</td>
<td>------------------------------------------------------------</td>
</tr>
<tr>
<td>a) cervical cancer tests</td>
<td>a) 710,000</td>
</tr>
<tr>
<td>b) mammograms</td>
<td>b) 22,000</td>
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<tr>
<td></td>
<td>a) 750,000</td>
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<td>b) 48,000</td>
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<td>a) 830,000</td>
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<td>b) 150,000</td>
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<sup>6</sup> Data is not collected via official statistics; baseline is indicated as indicator available from Rivne oblasts based on medical records study conducted. This baseline would be refined based on an expert analysis of medical documentation to be conducted during Year 1 of the Project.
<table>
<thead>
<tr>
<th>MOH Officers</th>
<th>Country Officers</th>
<th>Expert Evaluation</th>
<th>Every 6 months</th>
<th>8</th>
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<td>MOH Officers</td>
<td>Country Officers</td>
<td>Administrative Data</td>
<td>Every 6 months</td>
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<td>MOH Officers</td>
<td>Country Officers</td>
<td>Project Progress</td>
<td>Yes</td>
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<tr>
<td>MOH Officers</td>
<td>Country Officers</td>
<td>Expert Assessment</td>
<td>Yes</td>
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</tr>
</tbody>
</table>

### 1.1 Critical Elements

- MOH
- Standards approved

### 1.2 Communication

- MOH
- Text (yes/no)

### 1.3 Availability of

- MOH
- Central Level
- and Improved at Community Desktop

### 1.4 Number of

- MOH
- Population
- Per 10,000

### 1.5 Reach

- MOH
- Per 6 months
- 780

### 1.6 Implementing

- MOH
- Per 6 months
- 820

### 1.7 Implementation

- MOH
- Per 6 months
- 860

### 1.8 Number of

- MOH
- Days
- 650

### 1.9 Access

- MOH
- Days
- 650

### 1.10 Reporting

- MOH
- Days
- 650

### 1.11 SQ

- MOH
- Days
- 650

### 1.12 Reporting

- MOH
- Days
- 650

### 1.13 Reporting

- MOH
- Days
- 650

### 1.14 Reporting

- MOH
- Days
- 650

### 1.15 Reporting

- MOH
- Days
- 650

### 1.16 Reporting

- MOH
- Days
- 650

### 1.17 Reporting

- MOH
- Days
- 650

### 1.18 Reporting

- MOH
- Days
- 650

### 1.19 Reporting

- MOH
- Days
- 650

### 1.20 Reporting

- MOH
- Days
- 650

### 1.21 Reporting

- MOH
- Days
- 650

### 1.22 Reporting

- MOH
- Days
- 650

### 1.23 Reporting

- MOH
- Days
- 650

### 1.24 Reporting

- MOH
- Days
- 650

### 1.25 Reporting

- MOH
- Days
- 650

### 1.26 Reporting

- MOH
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- 650

### 1.27 Reporting

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- Days
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### 1.28 Reporting

- MOH
- Days
- 650

### 1.29 Reporting

- MOH
- Days
- 650

### 1.30 Reporting

- MOH
- Days
- 650

### 1.31 Reporting

- MOH
- Days
- 650

### 1.32 Reporting

- MOH
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- 650

### 1.33 Reporting

- MOH
- Days
- 650

### 1.34 Reporting

- MOH
- Days
- 650

### 1.35 Reporting

- MOH
- Days
- 650

### 1.36 Reporting

- MOH
- Days
- 650

### 1.37 Reporting

- MOH
- Days
- 650

### 1.38 Reporting

- MOH
- Days
- 650

### 1.39 Reporting

- MOH
- Days
- 650

### 1.40 Reporting

- MOH
- Days
- 650