Peru Integrated Health Networks (P163255)


Implementing Agencies: Ministry of Health, Ministry of Finance

Key Dates

Key Project Dates

| Bank Approval Date: 31-Jan-2019 | Effectiveness Date: 04-Jun-2019 |
| Planned Mid Term Review Date: 13-Sep-2021 | Actual Mid-Term Review Date: |
| Original Closing Date: 31-Jan-2024 | Revised Closing Date: 31-Jan-2024 |

Project Development Objectives

Project Development Objective (from Project Appraisal Document)

The objectives of this Project are to (i) improve the resolutive capacity and quality of public First-Level Health Services in Lima Metropolitan Area and Prioritized Regions; and (ii) increase the capacity of the Single Health Information System and the public sector’s pharmaceutical products and medical supplies provision system.

Has the Project Development Objective been changed since Board Approval of the Project Objective?
No

Components

Name

| Improving the Organization and Supply of Health Services Using an Integrated Health Networks Model in Lima Metropolitan Area and Prioritized Regions: (Cost $38.74 M) |
| Improving the Capacity of the Single Health Information System at the National Level: (Cost $60.73 M) |
| Improving the Management of Pharmaceutical Products and Medical Supplies in Lima Metropolitan Area and Prioritized Regions: (Cost $25.52 M) |

Project Management

Overall Ratings

<table>
<thead>
<tr>
<th>Name</th>
<th>Previous Rating</th>
<th>Current Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Progress towards achievement of PDO</td>
<td>Satisfactory</td>
<td>Moderately Satisfactory</td>
</tr>
<tr>
<td>Overall Implementation Progress (IP)</td>
<td>Satisfactory</td>
<td>Moderately Satisfactory</td>
</tr>
<tr>
<td>Overall Risk Rating</td>
<td>Substantial</td>
<td>Substantial</td>
</tr>
</tbody>
</table>

Implementation Status and Key Decisions

The Project General Procurement Notice has been published through the Bank’s procurement platform Systematic Tracking in Procurement (STEP). The Ministry of Health project management unit staff were appointed between July and October 2019. Investment activities were limited in 2019 due to the lack of a budget allocation from the loan.
## Risks

### Systematic Operations Risk-rating Tool

<table>
<thead>
<tr>
<th>Risk Category</th>
<th>Rating at Approval</th>
<th>Previous Rating</th>
<th>Current Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Political and Governance</td>
<td>Substantial</td>
<td>Substantial</td>
<td>Substantial</td>
</tr>
<tr>
<td>Macroeconomic</td>
<td>Moderate</td>
<td>Moderate</td>
<td>Moderate</td>
</tr>
<tr>
<td>Sector Strategies and Policies</td>
<td>Substantial</td>
<td>Substantial</td>
<td>Substantial</td>
</tr>
<tr>
<td>Technical Design of Project or Program</td>
<td>Substantial</td>
<td>Substantial</td>
<td>Substantial</td>
</tr>
<tr>
<td>Institutional Capacity for Implementation and Sustainability</td>
<td>Substantial</td>
<td>Substantial</td>
<td>Substantial</td>
</tr>
<tr>
<td>Fiduciary</td>
<td>Substantial</td>
<td>Substantial</td>
<td>Substantial</td>
</tr>
<tr>
<td>Environment and Social</td>
<td>Moderate</td>
<td>Moderate</td>
<td>Moderate</td>
</tr>
<tr>
<td>Stakeholders</td>
<td>Moderate</td>
<td>Moderate</td>
<td>Moderate</td>
</tr>
<tr>
<td>Other</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Overall</td>
<td>Substantial</td>
<td>Substantial</td>
<td>Substantial</td>
</tr>
</tbody>
</table>

## Results

### PDO Indicators by Objectives / Outcomes

**Improve resolutive capacity & quality of public 1st level health services in Lima M.A. & pr. regions**

- Percentage of RIS that offer an expanded range of health services in Lima Metropolitan Area and prioritized regions (Percentage, Custom)

<table>
<thead>
<tr>
<th>Value</th>
<th>Date</th>
<th>Baseline</th>
<th>Actual (Previous)</th>
<th>Actual (Current)</th>
<th>End Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.00</td>
<td>31-Jan-2019</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>100.00</td>
</tr>
</tbody>
</table>

**Control of hypertension in adults (age 35 and above) in the Lima Metropolitan Area (Percentage, Custom)**

<table>
<thead>
<tr>
<th>Value</th>
<th>Date</th>
<th>Baseline</th>
<th>Actual (Previous)</th>
<th>Actual (Current)</th>
<th>End Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>19.50</td>
<td>31-Dec-2017</td>
<td>19.50</td>
<td>19.50</td>
<td>19.50</td>
<td>26.00</td>
</tr>
</tbody>
</table>
Comments:

Denominator: Incidence of hypertension is calculated as the percentage of population in the Lima Metropolitan Area for whom blood pressure measurement detected high blood pressure, or that reported having been diagnosed with hypertension. Numerator: Control of hypertension is a measurement of blood pressure within normal range, conditional on having hypertension (either measured or self-reported). Only include those persons that report not having EsSalud, other social security or private insurance.

**Percentage of the targeted population with a health issue that seeks care in the first level of care (Percentage, Custom)**

<table>
<thead>
<tr>
<th>Baseline</th>
<th>Actual (Previous)</th>
<th>Actual (Current)</th>
<th>End Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>55.00</td>
<td>55.00</td>
<td>55.00</td>
<td>65.00</td>
</tr>
</tbody>
</table>

Date

31-Dec-2018 11-Apr-2019 11-Apr-2019 31-Dec-2023

Comments:

Denominator: the population that reported being ill or injured in the last 30 days, excluding those who reported it was not serious enough to seek care. Exclude the population that had social security or private insurance. Include all age ranges and compute the indicator at the national level. Numerator: among the population in the denominator, those who sought care from a public first level IPRESS.

Improve the capacity of the Single Health Information System

**Percentage of RIS in Lima Metropolitan Area and prioritized regions that reach optimal implementation of the five essential SUIS modules (Percentage, Custom)**

<table>
<thead>
<tr>
<th>Baseline</th>
<th>Actual (Previous)</th>
<th>Actual (Current)</th>
<th>End Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>60.00</td>
</tr>
</tbody>
</table>

Date


Comments:

Denominator: The number of RIS in Lima Metropolitan Area and prioritized regions. Numerator: among the RIS in the denominator, those RIS that implement the 5 essential modules of the SUIS, being: the medical programming module, the unique patient portal, the referral/counter-referral module, one consultation module (one among the prenatal care ("wawared") module, the growth monitoring ("CRED") module, the vaccination module) and the pharmacy module.

Improve the capacity of public sector’s pharmaceutical products & medical supplies provision system

**MINSA is able to trace pharmaceutical products in real time throughout the reception, storage and distribution processes in Lima Metropolitan Area and prioritized regions. (Text, Custom)**

<table>
<thead>
<tr>
<th>Baseline</th>
<th>Actual (Previous)</th>
<th>Actual (Current)</th>
<th>End Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>No traceability</td>
<td>No traceability</td>
<td>No traceability</td>
<td>Traceability up to IPRESS pharmacies and patients, in Metropolitan Lima and prioritized regions</td>
</tr>
</tbody>
</table>

Date


Comments:

MINSA should have a system that allows it to track inventories over time in all warehouses and IPRESS. The system should include dashboards for over- and undersupply as well flags for products that are at risk of expiring.

Intermediate Results Indicators by Components

Improving organization & supply of health services using a RIS model in Lima M.A. & prior. regions
### Number of works and equipment of first-level IPRESS concluded in accordance with current infrastructure and equipment regulation (Number, Custom)

<table>
<thead>
<tr>
<th></th>
<th>Baseline</th>
<th>Actual (Previous)</th>
<th>Actual (Current)</th>
<th>End Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>Value</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>6.00</td>
</tr>
</tbody>
</table>

**Date**
- 31-Jan-2019
- 11-Apr-2019
- 11-Apr-2019
- 31-Jan-2024

**Comments:**
Includes first level IPRESS whose infrastructure is upgraded through refurbishing, rebuilding or new building, and whose equipment is upgraded as to function as a up-to-12-hour or 24-hour IPRESS. Regulations are the applicable regulations for up-to-12-hour or 24-hour IPRESS, depending on the designation of the IPRESS.

### Number of clinical practice guidelines for the most relevant chronic and non-communicable diseases approved and published through an online or mobile application (Number, Custom)

<table>
<thead>
<tr>
<th></th>
<th>Baseline</th>
<th>Actual (Previous)</th>
<th>Actual (Current)</th>
<th>End Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>Value</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>8.00</td>
</tr>
</tbody>
</table>

**Date**
- 31-Jan-2019
- 11-Apr-2019
- 11-Apr-2019
- 31-Jan-2024

**Comments:**
The CPGs should conform to the AGREE II standard and be made available in a user friendly online or mobile format to health care providers.

### MINSA has a system for measuring user satisfaction, disaggregated by women and men (WB corporate citizen engagement/beneficiary feedback indicator) (Text, Custom)

<table>
<thead>
<tr>
<th></th>
<th>Baseline</th>
<th>Actual (Previous)</th>
<th>Actual (Current)</th>
<th>End Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>Value</td>
<td>No automated administrative system or protocol for measuring satisfaction</td>
<td>No automated administrative system or protocol for measuring satisfaction</td>
<td>No automated administrative system or protocol for measuring satisfaction</td>
<td>User satisfaction results published, disaggregated by men and women</td>
</tr>
</tbody>
</table>

**Date**
- 31-Jan-2019
- 11-Apr-2019
- 11-Apr-2019
- 31-Jan-2024

### Control of hypertension in adult (age 35 and above) women in the Lima Metropolitan Area (Percentage, Custom)

<table>
<thead>
<tr>
<th></th>
<th>Baseline</th>
<th>Actual (Previous)</th>
<th>Actual (Current)</th>
<th>End Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>Value</td>
<td>30.60</td>
<td>30.60</td>
<td>30.60</td>
<td>37.20</td>
</tr>
</tbody>
</table>

**Date**
- 31-Dec-2017
- 11-Apr-2019
- 11-Apr-2019
- 31-Dec-2023

**Comments:**
Denominator: Incidence of hypertension is calculated as the percentage of women age 35+ in the Lima Metropolitan Area for whom blood pressure measurement detected high blood pressure, or that reported having been diagnosed with hypertension. Numerator: Control of hypertension is a measurement of blood pressure within normal range, conditional on having hypertension (either measured or self-reported). Only include those persons that report not having EsSalud, other social security or private insurance.

### Control of hypertension in adult (age 35 and above) men in the Lima Metropolitan Area (Percentage, Custom)

<table>
<thead>
<tr>
<th></th>
<th>Baseline</th>
<th>Actual (Previous)</th>
<th>Actual (Current)</th>
<th>End Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>Value</td>
<td>8.40</td>
<td>8.40</td>
<td>8.40</td>
<td>15.00</td>
</tr>
</tbody>
</table>

**Date**
- 31-Dec-2017
- 11-Apr-2019
- 11-Apr-2019
- 31-Dec-2023

**Comments:**
Denominator: Incidence of hypertension is calculated as the percentage of men age 35+ in the Lima Metropolitan Area for whom blood pressure measurement detected high blood pressure, or that reported having been diagnosed with hypertension. Numerator: Control of hypertension is a measurement of blood pressure within normal range, conditional on having hypertension (either measured or self-reported). Only include those persons that report not having EsSalud, other social security or private insurance.
### Improving the Capacity of the Single Health Information System at national level

**Number of modules and components of the Single Health Information System that are developed, integrated and operational (Number, Custom)**

<table>
<thead>
<tr>
<th></th>
<th>Baseline</th>
<th>Actual (Previous)</th>
<th>Actual (Current)</th>
<th>End Target</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Value</strong></td>
<td>4.00</td>
<td>4.00</td>
<td>4.00</td>
<td>51.00</td>
</tr>
<tr>
<td><strong>Date</strong></td>
<td>31-Jan-2019</td>
<td>11-Apr-2019</td>
<td>11-Apr-2019</td>
<td>31-Jan-2024</td>
</tr>
<tr>
<td><strong>Comments:</strong></td>
<td>SUIS plan includes the development and integration of 23 service delivery modules, 10 administrative and legacy modules, and 5 health sector management modules. It also contemplates the integration of 13 additional components.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Improving management of pharmaceutical products and medical supplies in Lima M.A.& prior. regions

**MINSA plans purchases of pharmaceutical products and medical supplies using registered demand data and monitors data in real time in Lima Metropolitan Area and prioritized regions (Yes/No, Custom)**

<table>
<thead>
<tr>
<th></th>
<th>Baseline</th>
<th>Actual (Previous)</th>
<th>Actual (Current)</th>
<th>End Target</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Value</strong></td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Date</strong></td>
<td>31-Jan-2019</td>
<td>11-Apr-2019</td>
<td>11-Apr-2019</td>
<td>31-Jan-2024</td>
</tr>
</tbody>
</table>

**Number of state-owned pharmaceutical products and medical supply warehouses that conform with BPA guidelines (Number, Custom)**

<table>
<thead>
<tr>
<th></th>
<th>Baseline</th>
<th>Actual (Previous)</th>
<th>Actual (Current)</th>
<th>End Target</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Value</strong></td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>5.00</td>
</tr>
<tr>
<td><strong>Date</strong></td>
<td>31-Jan-2019</td>
<td>11-Apr-2019</td>
<td>11-Apr-2019</td>
<td>31-Jan-2024</td>
</tr>
<tr>
<td><strong>Comments:</strong></td>
<td>Warehouses are to include MINSA's Lima Central warehouse as well as 6 regional warehouses belonging to MINSA or GOREs.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Percentage of IPRESS in Lima Metropolitan Area that evidence optimal availability of essential medicines (Percentage, Custom)**

<table>
<thead>
<tr>
<th></th>
<th>Baseline</th>
<th>Actual (Previous)</th>
<th>Actual (Current)</th>
<th>End Target</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Value</strong></td>
<td>5.00</td>
<td>5.00</td>
<td>5.00</td>
<td>60.00</td>
</tr>
<tr>
<td><strong>Date</strong></td>
<td>31-Dec-2018</td>
<td>11-Apr-2019</td>
<td>11-Apr-2019</td>
<td>31-Dec-2023</td>
</tr>
<tr>
<td><strong>Comments:</strong></td>
<td>The definition of the optimal availability indicator for RIS and the list of essential medicines will be included in the operational manual.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Data on Financial Performance

Disbursements (by loan)

<table>
<thead>
<tr>
<th>Project</th>
<th>Loan/Credit/TF</th>
<th>Status</th>
<th>Currency</th>
<th>Original</th>
<th>Revised</th>
<th>Cancelled</th>
<th>Disbursed</th>
<th>Undisbursed</th>
<th>% Disbursed</th>
</tr>
</thead>
<tbody>
<tr>
<td>P163255</td>
<td>IBRD-89200</td>
<td>Effective</td>
<td>USD</td>
<td>125.00</td>
<td>125.00</td>
<td>0.00</td>
<td>0.00</td>
<td>125.00</td>
<td>0%</td>
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</table>

Key Dates (by loan)

<table>
<thead>
<tr>
<th>Project</th>
<th>Loan/Credit/TF</th>
<th>Status</th>
<th>Approval Date</th>
<th>Signing Date</th>
<th>Effectiveness Date</th>
<th>Orig. Closing Date</th>
<th>Rev. Closing Date</th>
</tr>
</thead>
</table>

Cumulative Disbursements

Restructuring History

There has been no restructuring to date.

Related Project(s)
There are no related projects.