

# **RHEA Project Rwanda Requirements for the Integration and Data Sharing for OpenMRS and the Shared Health Record**

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## About this document

This document is intended to highlight the basic requirements for the OpenMRS system to integrate and share clinical data with the Shared Health Record. This document is not intended to serve as the technical specifications. The Requirements for a Shared Health Record contains a number of requirements that will apply to both the sending and receiving systems (not specifically identified as OpenMRS). Unlike previous requirements documents, this document refers to the requirements for the RHEA pilot ONLY.

Previously, the functional requirements for a primary health care system were accepted by the Ministry of Health and have been used to guide the recent development efforts for OpenMRS. Similarly, requirements for the registries have also been finalised and accepted by the Ministry of Health of Rwanda and should serve as the authoritative reference documents for registries and the relevant data exchanged.

## Functional Requirements

- 1) The system must be able to send the following messages:
  - a. Send Clinical Observations (using the OpenMRS concepts)
  - b. New/Update Person Demographics
  - c. New/Update Professional (Staff) Demographics and details (please refer to provider and facility registry requirements for specifics about the updating and adding of professional data)
  - d. Request for person identification and demographics
- 2) The system must be able to receive the following messages:
  - a. Clinical Encounter Information
  - b. Patient demographics
  - c. Professional details/demographics

Note: the message specifics are the content of another spec document and are expected to expand over time as the system matures.
- 3) The system must be able to both acknowledge the receipt of a message and accept an acknowledgement for messages sent.
- 4) The system must be able to store the 15 digit Rwanda NID as a client identifier.

- 5) The system must be able to register a patient and store the mandatory demographic information identified in the client registry requirements.

Note: The data is not repeated here in case the requirements are changed- the client registry requirements shall be considered the accurate authority only.

- 6) The POC system should be able to identify information that has been entered and has not yet been sent to the shared health record.
- 7) The system must be able to collect and store (via forms) the appropriate clinical information for the pilot (maternal health data). This data is outlined in the shared health record data.