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| OpenHIE Health Worker Registry |
| Implementation Guide 2014 |
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Summer 2014

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# [Introduction](https://docs.google.com/document/d/1QPNnNJpobiZpBxJSwKwVDutOOMHjpjDBPkAnpXfs8F4/edit#heading=h.2q0lk3sedkyu)

## What is a Health Worker Registry

# [Background](https://docs.google.com/document/d/1QPNnNJpobiZpBxJSwKwVDutOOMHjpjDBPkAnpXfs8F4/edit#heading=h.iqkzkhffwk14)

## OpenHIE

OpenHIE is a self-organizing, mission-driven community of practice. In most communities of practice, a broad collection of stakeholders with varied types of expertise and interests come together with a shared goal of mastering specific competencies. As such, the OpenHIE community's goal is to iteratively develop, refine, and harden a collection of approaches and freely available standards-based technologies that enable large scale health information interoperability.

The technological exchange is comprised of at least 6 open source components -- client registry, Health Worker registry, health facility registry, terminology service, shared health record, and health interoperability layer -- all working together synergistically to ensure that health information from various point of service applications is aggregated into a unified person-centric medical record. In doing so, the exchange normalizes the context in which health information is created across four dimensions: 1) who receives health services, 2) who provides those services, 3) where services were received, and 4) what specific care was received.

Both the technical components and the community of practice are essential to OpenHIE. In other words, OpenHIE is a not simply a set of technical specifications, or a collection of software technologies. Rather, it is a community of stakeholders who have come together to support each other as they collectively solve the problems around health information.  In their vision, all health systems around the world should be able to leverage a richly populated, highly-aligned ecosystem which forms as a result of the collective action of this community.

# [Implementation Process](https://docs.google.com/document/d/1QPNnNJpobiZpBxJSwKwVDutOOMHjpjDBPkAnpXfs8F4/edit#heading=h.ar8gclpdo0pk)

The Health Worker Registry Implementation Guide is informed by past experiences and proven practices documented in other successful implementations. (e.g., Rwanda)   The guide is intended as a framework that can be adapted to the specific context of each country. The content describes specific examples for each step detailing user stories, data specifications, job aids and checklists to guide the use of the reference implementation software.  The implementation process includes the following steps:

|  |  |  |  |  |  |
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| **Step 1** | **Step 2** | **Step 3** | **Step 4** | **Step 5** | **Step 6** |
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| **Stakeholders & Motivations** | **Document Specifications** | **Carry Out Specifications** | **Iteration and Testing** | **Scale** | **Ongoing Support** |

**Step 1:** Identify Stakeholders and Motivations for Improved Health Worker Data

**Step 2:** Document Health Worker Registry Specifications and User Stories

**Step 3:** Carry Out Registry Specifications and Identify Gaps

**Step 4:** Iterative Development and User Testing

**Step 5:** Scaling the Registry Implementation

**Step 6:** Provide Ongoing Support

Prior to deploying a Health Worker registry, we recommend first engaging with the OHIE Health Worker registry community.  The community is composed of technical and implementation stakeholders with experience developing and deploying Health Worker registries and master facility lists.  We are happy to discuss the particular details related to your local context and connect you to other relevant resources.  Here are three ways to get started!

1. Join the Health Worker Registry Google Group and introduce yourself.

**Link:** https://groups.google.com/forum/?hl=en#!forum/provider-registry

1. Set up an introductory call with Capacity*Plus*, the community’s lead organization.  We are here to discuss your specific context, answer questions, and walk with you through the implementation process.

**Email:** [mdrane@capacityplus.org](mailto:mdrane@capacityplus.org) or [cleitner@capacityplus.org](mailto:cleitner@capacityplus.org)

1. Review an existing OHIE reference implementation of the Health Worker registry in Rwanda.

# [Step 1: Identify Stakeholders and Motivations](https://docs.google.com/document/d/1QPNnNJpobiZpBxJSwKwVDutOOMHjpjDBPkAnpXfs8F4/edit#heading=h.430xlc9b49le)

## [1.1: Define Project Scope](https://docs.google.com/document/d/1QPNnNJpobiZpBxJSwKwVDutOOMHjpjDBPkAnpXfs8F4/edit#heading=h.jabja3nqiusd)

## 1.2. Document Existing Health Information Architecture

### 1.2.1 Systems Using Health Worker Data

### 1.2.2 Systems Providing Health Worker Data

### 1.2.3 Systems Providing Facility Information

## 1.3: Identify Stakeholder Needs and Motivations

### 1.3.1 Stakeholder Leadership Group Workshops

### 1.3.2: Document Use Cases and Work flows

## 1.4 Draft Terms of Reference

## [1.5: Form an Implementation Team](https://docs.google.com/document/d/1QPNnNJpobiZpBxJSwKwVDutOOMHjpjDBPkAnpXfs8F4/edit#heading=h.t498sc7593el)

### 1.5.1 Establish Dissemination Structure

### 1.5.2 Set up mailing list

## 1.6 Governing Body Responsibilities

# [Step 2: Data Governance and Data Specifications](https://docs.google.com/document/d/1QPNnNJpobiZpBxJSwKwVDutOOMHjpjDBPkAnpXfs8F4/edit#heading=h.kisrk0yrues5)

## 2.2 Determining Minimum Data Set

## [2.3: Identify Standard Data Lists Describing Health Workers](https://docs.google.com/document/d/1QPNnNJpobiZpBxJSwKwVDutOOMHjpjDBPkAnpXfs8F4/edit#heading=h.3hjid5sgqlqi)

## 2.5: Determining Standards for Data Exchange

## [2.5: Drafting Data Sharing Agreements](https://docs.google.com/document/d/1QPNnNJpobiZpBxJSwKwVDutOOMHjpjDBPkAnpXfs8F4/edit#heading=h.nxu6brxu0eu0)

### 2.5.1 Data Sharing Objectives

### 2.5.2 Define Authorities on Data Specification

## [2.6: Data Privacy](https://docs.google.com/document/d/1QPNnNJpobiZpBxJSwKwVDutOOMHjpjDBPkAnpXfs8F4/edit#heading=h.h3tjczm2z4uj)

## [2.8: Document User Stories](https://docs.google.com/document/d/1QPNnNJpobiZpBxJSwKwVDutOOMHjpjDBPkAnpXfs8F4/edit#heading=h.xlpimz826h2u) and Map Workflows

# [Step 3:](https://docs.google.com/document/d/1QPNnNJpobiZpBxJSwKwVDutOOMHjpjDBPkAnpXfs8F4/edit#heading=h.1k1pa02drrix) Infrastructure Analysis & Implementation

## [4.1: Agile and Iterative Development](https://docs.google.com/document/d/1QPNnNJpobiZpBxJSwKwVDutOOMHjpjDBPkAnpXfs8F4/edit#heading=h.8i03io2si5or)

## [4.2: User Testing](https://docs.google.com/document/d/1QPNnNJpobiZpBxJSwKwVDutOOMHjpjDBPkAnpXfs8F4/edit#heading=h.8i03io2si5or)

## [4.3: Collect, Reconcile and Upload Health Worker Data](https://docs.google.com/document/d/1QPNnNJpobiZpBxJSwKwVDutOOMHjpjDBPkAnpXfs8F4/edit#heading=h.8i03io2si5or)

## 5.4: Establish Operational Procedures

# [Step 5: Scale-Up](https://docs.google.com/document/d/1QPNnNJpobiZpBxJSwKwVDutOOMHjpjDBPkAnpXfs8F4/edit#heading=h.nq4yrpde4c8)

## [5.1: Confirm User Roles and Responsibilities](https://docs.google.com/document/d/1QPNnNJpobiZpBxJSwKwVDutOOMHjpjDBPkAnpXfs8F4/edit#heading=h.hcs8eomrqtk5)

## [5.2: User Training](https://docs.google.com/document/d/1QPNnNJpobiZpBxJSwKwVDutOOMHjpjDBPkAnpXfs8F4/edit#heading=h.hcs8eomrqtk5)

## [5.3: Third Party Integrations](https://docs.google.com/document/d/1QPNnNJpobiZpBxJSwKwVDutOOMHjpjDBPkAnpXfs8F4/edit#heading=h.hcs8eomrqtk5)

# [Step 6: Ongoing Support](https://docs.google.com/document/d/1QPNnNJpobiZpBxJSwKwVDutOOMHjpjDBPkAnpXfs8F4/edit#heading=h.4apanmshsyl4)

## [6.1: Operations Support](https://docs.google.com/document/d/1QPNnNJpobiZpBxJSwKwVDutOOMHjpjDBPkAnpXfs8F4/edit#heading=h.ke97ppttzo9e)

## [6.2: Developer Support](https://docs.google.com/document/d/1QPNnNJpobiZpBxJSwKwVDutOOMHjpjDBPkAnpXfs8F4/edit#heading=h.ke97ppttzo9e)

## [6.3: Integration Support](https://docs.google.com/document/d/1QPNnNJpobiZpBxJSwKwVDutOOMHjpjDBPkAnpXfs8F4/edit#heading=h.ke97ppttzo9e)

## [6.4: Data Support](https://docs.google.com/document/d/1QPNnNJpobiZpBxJSwKwVDutOOMHjpjDBPkAnpXfs8F4/edit#heading=h.ke97ppttzo9e)

## [6.5: Help Desk Support](https://docs.google.com/document/d/1QPNnNJpobiZpBxJSwKwVDutOOMHjpjDBPkAnpXfs8F4/edit#heading=h.ke97ppttzo9e)

# [Annexes](https://docs.google.com/document/d/1QPNnNJpobiZpBxJSwKwVDutOOMHjpjDBPkAnpXfs8F4/edit#heading=h.aco4k2oczj5q)