

Published Project

APZU / Partners In Health Technology

Last Updated
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Unique Project ID (MWMvbmgrY)

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1. General Overview

Project Name

APZU / Partners In Health Technology

Organisation

N/A

Project country

[Malawi](#)

Geographic scope

Neno District

Overview of the digital health implementation

Abwenzi Pa Za Umoyo (APZU) is PIH's partner organization in Malawi. Our EMR uses the OpenMRS platform at 2 hospitals (District and Community) and 12 health centers. Clinical data is collected/reported for HIV, Early infant HIV Diagnosis (EID), Non-communicative diseases, Palliative Care, etc. OpenBoxes is our supply chain and logistics software, which links to our finance and purchasing systems. We use OpenBoxes for tracking international shipments, receiving confirmation, inventory management and adjustments, creating and tracking outgoing shipments from our central warehouse to health facilities, and tracking requests from health facilities. The system provides data visibility that helps us plan orders and the distribution of medications, consumables, and equipment. Medic Mobile is used in our Community Health Worker program, and CommCare is used in our Linkage to Care and Clinical Mentorship program.

Contact name

N/A

Contact email

N/A

Team members

N/A

Viewers

N/A

2. Implementation Overview

Software and related Digital Health Interventions (DHI)

- **Software**

Commcare

- 2.3.2 Provide checklist according to protocol
- 2.3.3 Screen clients by risk or other health status
- 2.6.2 Manage referrals between points of service within health sector
- 2.5.3 Transmit routine news and workflow notifications to healthcare provider (s)
- 2.8.2 Assess capacity of healthcare provider

- **Software**

OpenMRS

Digital Health Intervention

- 4.3.3 Map location of clients and households
- 4.1.1 Non routine data collection and management
- 4.1.2 Data storage and aggregation
- 4.1.3 Data synthesis and visualizations
- 4.1.4 Automated analysis of data to generate new information or predictions on future events
- 2.1.1 Verify client unique identity
- 2.1.2 Enroll client for health services/clinical care plan
- 2.2.1 Longitudinal tracking of client's health status and services received
- 2.2.2 Manage client's structured clinical records
- 2.2.4 Routine health indicator data collection and management
- 2.3.1 Provide prompts and alerts based according to protocol
- 2.3.2 Provide checklist according to protocol
- 2.3.3 Screen clients by risk or other health status
- 2.7.1 Schedule client appointments based on clinical care plan
- 2.7.2 Schedule healthcare provider's activities
- 2.9.3 Report adverse drug effects

- **Software**

Medic Mobile

Digital Health Intervention

- 2.2.1 Longitudinal tracking of client's health status and services received
- 2.2.4 Routine health indicator data collection and management
- 2.3.1 Provide prompts and alerts based according to protocol
- 2.3.2 Provide checklist according to protocol
- 2.3.3 Screen clients by risk or other health status
- 2.6.2 Manage referrals between points of service within health sector
- 2.5.3 Transmit routine news and workflow notifications to healthcare provider (s)

- **Software**

OpenBoxes

Digital Health Intervention

- 3.2.1 Manage inventory and distribution of health commodities
- 3.2.2 Notify stock levels of health commodities
- 3.2.5 Manage procurement of commodities

Health focus area(s)

- Birth events
- Death events
- Other civil registration and vital statistics
- Registration of clients and demographic information
- Tuberculosis
- Elimination of Mother to Child Transmission (eMTCT) of HIV/AIDs and Syphilis (EMTCT/PMTCT)
- Alcohol use
- Cardiovascular disease
- Diabetes
- Hypertension
- Other non-communicable diseases
- Substance abuse
- Tobacco use
- HIV/AIDS
- Mental health

Health System Challenges (HSC)

- 1.3 Lack of quality/reliable data
- 1.5 Lack of access to information or data



- 2.3 Insufficient supply of equipment
- 3.5 Insufficient continuity of care
- 5.2 Geographic inaccessibility
- 5.3 Low adherence to treatments
- 5.4 Loss to follow-up
- 6.1 Inadequate workflow management
- 6.3 Poor planning and coordination
- 7.1 High cost of manual processes
- 8.4 Lack of transparency in commodity transactions

Health Information System (HIS)

- E. Clinical terminology and classifications
- H. Electronic Medical Record
- T. Logistics Management Information System
- U. Pharmacy Information System

Has the government financially invested in the project?

No, they have not yet contributed

Implementing partner(s)

- OpenMRS community

Investor(s)

- CDC Foundation
- PEPFAR

Completion of Project stages

Legend: ▶ Project start date ▼ Project end date □ Stage completion date ○ Next stage (incomplete) — Completion period
 -- Current period

The date under a stage represents when that stage was completed.

3. Technology overview

Technology deployment date

30/06/2007

Under what license is the project governed

- Non protective free and open source software (e.g. Apache)

Code documentation or download link

<https://github.com/PIH/openmrs-module-pihmalawi>

Link to the application

N/A

Link to wiki or project website

N/A

4. Interoperability & standards **What other system do you interoperate with ?**

- N/A

What data standards does your digital health project use?

- CIEL
- HL7 FHIR
- HL7 v2
- ICD-10
- JSON
- LOINC
- RxNORM
- SNOMED



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