Digital Innovation in Pandemic Control (DIPC)

visit our website:

Digital Innovation In Pandemic Control (DIPC) –
Capacity Building Is Central For Efficient National Digital Health Systems

Implementation Period: 2022-2025   **Countries**: Ghana, Sierra Leone, Tanzania, Malawi, Peru

1 WP1 National Health Systems

- **Ecosystem mapping**
- Development of **national strategies and roadmaps**
- National implementation of **WHO digital approaches**
- **Development of national digital health Systems**
- cross-country **data sharing**

3 WP3 Capacity Building

- **National**: national training for CHCW,HCW& IT

- **Global**:   high-quality digital courses
                community of practice
                Interactive course registry

- **Women in focus**

2 WP2 Core software development

- Accelerator programs for start-ups
- Core support **WHO SMART Guideline Reference Software**
- **AI supported coding** for WHO SG conform software
  - preview
  - cross-platform application demo

4 WP4 Incubator for evidence

- **Literature reviews**: DH impact, indicators, gamification
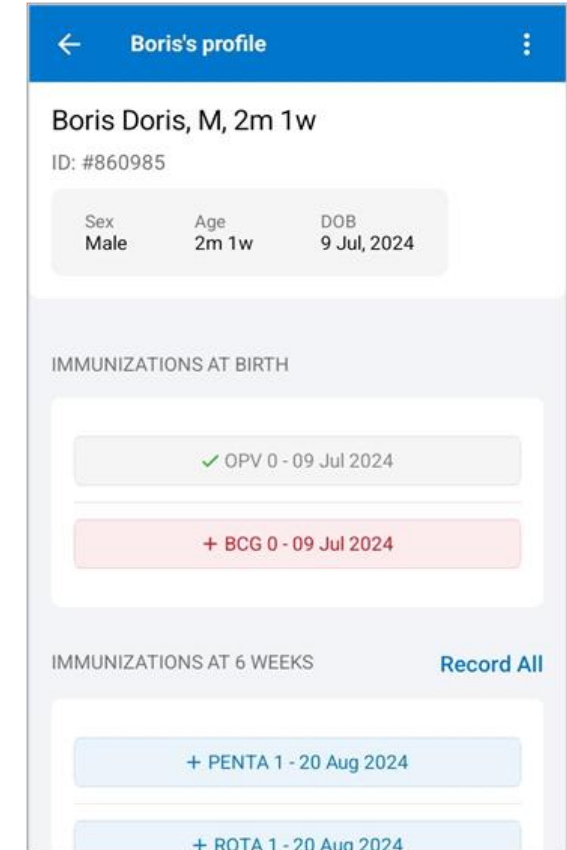- **Landscaping** of guidelines, frameworks and tools
- **External evaluation**

A global goods product suite for immunization

✎ DIPC project worked with ONA to develop a Global Immunization Product Suite using OpenSRP2 and other open-source technologies.

✎ It is a reference application that demonstrates how common requirements can be relatively easily adapted to align with national immunization guidelines and deployed to integrate with existing health systems using the HL7 Fast Healthcare Interoperability Resources (FHIR) standard.

As part of the global product suite, the EIR mobile app:

- Supports health workers with clinical decision-making for immunization of children and adolescents.
- Helps frontline health workers accurately register patients, automatically enroll them in immunization care plans, generate follow-up tasks in priority order, and record immunizations to ensure no one falls through the cracks.
- Is available in *English*, *French*, and *Spanish*.
- Includes basic vaccine stock data.

This view of the EIR mobile app show how the technology makes it easy for health workers to view each patient's personalized immunization schedule and history with color coding like red indicating past due vaccines.

A global goods product suite for immunization

The EIR reference application is configurable, making it easy to adapt to local requirements. Integrates seamlessly with:

- Analytics dashboards for informed decision making.
- DHIS2 for aggregate reporting.
- RapidPro Messaging platforms to create awareness and generate demand for immunization services.

DIPC Implementation WP3

Course: Online & In-presence

DIPC
atingi
Regenstrief Institute

WHO COMPETENCY FRAMEWORK

- Policy Makers,
- Planners, Developers
- Practitioners and Providers
- Population, People and Patients

LEARNER PERSONAS

- Digital Health Advisor
- Systems Analyst
- Developer
- Systems Administrator
- Project Manager
- Trainer / Help Desk
- Health Care Provider

Topics	Modules (blue developed by DIPC)
HIS Leadership and Strategy	• Architecture • Data Exchange and Interoperability • HIS Leadership, Strategy and Planning
System support and management	• Training on specific software • Understanding the Clinical Context • End-user support and training • Systems Development Life cycle • Software Quality Assurance and Testing • Architecture • Data Exchange and Interoperability • Business analysis • IT Infrastructure and Operations • Project Management
Global goods & community	• Working with a community • Working with a global good
Technology	• Artificial Intelligence • HIT Security • FHIR • Systems Engineering
Data Analysis and Data Use	• Analytics, data science and biostatistics • Database design and modeling • Data use • Data Collection and Review
General	• Computer Literacy • Transferable Skills • System User Security Basics

eHealth Professionals Knowledge Network

Community of Practice

Empowerment

Ghana Woman in Digital Health

Navigating the Digital Health Ecosystem: a Review of Key Guidelines, Frameworks

Textbook

Resource Registry

Existing Courses Registry

ROBERT KOCH INSTITUT
german cooperation
giz

Vision of Strategic Alliance for ICT Compentency in Health (STICH)

DIPC

- **Training Resources** are **easy to find** with current content and didactics

- Alignment WHO Global Digital Health **Competency Framework allows comparability and equivalence"**

- The **Digital Health Certification Network** can be used to certify competencies

- A **platform** for :

  - Joint Co-creation and multiple use of course material

  - Easy access to different learning platforms and their content through a "network of networks" that joins national training platforms (f.ex. Ghana Health Service), regional (ACDC) and global (WB Academy, WHO) learning platforms.

  - Peer learning, match-making for practical exposure and income generation.

- **Equity approaches** for women and minorities in the digital health field.

Get involved: STICH@giz.de