

M&E FOR GLOBAL PUBLIC HEALTH DATA INNOVATION



Governance, Leadership, and Policy
Draft policy and governance documents for adoption at the country level and provide coordinated technical assistance



Cloud Infrastructure
Establish roadmaps for adoption of cloud services models that prioritize data sovereignty and governance



Data Analytic Platforms
Develop and implement global health use cases for integrated data analytics platforms



Workforce
Enable workforce development through development of training materials and programs in public health informatics



Data Integration
Establish process and architecture for integration of data from multiple sources to improve decision making and situational awareness



Data Standards
Promote and provide technical assistance to harmonize and adopt messaging and content standards for health data



Data Automation and Reporting
Support digital enablement and business transformation for electronic laboratory and case reporting, and the adoption of computable specifications and SMART guidelines

GOAL

The Global Public Health Data Innovation (GPHDI) initiative is a three-year initiative focusing on data modernization in 10 focal countries. GPHDI implements program activities to **transform the data systems components to improve pandemic response and readiness and data use and sharing**. GPHDI presents a unique opportunity to improve mutual understanding and coordinate data modernization efforts, so stakeholders can increase the collective impact of the different sources of aid that each country receives. The **monitoring and evaluation (M&E) plan** for GPHDI activities serves two functions: 1) routine assessment of project implementation and performance of activities, and 2) evaluation of GPHDI's contributions to data modernization in the representative countries and regions as well as challenges.

CREATING M&E FRAMEWORK

DIGI provided technical assistance (TA) on the development of an M&E framework for GPHDI. The process of developing the framework included reviewing GPHDI strategic guidance documents and key documents of digital health M&E and pandemic preparedness and response; consulting with GPHDI TA partners to define and prioritize outputs and outcomes; defining indicators; and creating data collection tools. The development process included review and mapping of existing measurement tools and development of novel measures, as well as consultation workshops with the users of the framework data collection tools to assess the clarity, utility, and feasibility of the tools.

COLLABORATORS

GPHDI is funded by the US Centers for Disease Control and Prevention (CDC). DIGI is supporting the M&E framework through the Technical Assistance Platform (TAP), under a collaborative agreement between CDC and PATH. UW is also collaborating with Peraton, RTI, and GPHDI implementing partners on applying the M&E framework to build evidence and learning about data modernization in the health sector.

INSIGHTS & IMPACT

The M&E framework development included a 2.5 day workshop in Atlanta, Georgia with 18 representatives from GPHDI implementing partners Peraton, RTI, PATH, and UW/I-TECH, as well as eight representatives from relevant branches and units of the CDC. The workshop produced consensus around core concepts for measurement across seven GPHDI components. The **M&E framework includes a logic model and a question guide**. The question guide includes structured response questions and open-ended questions. It is available for use in key informant interviews to distill contributions and challenges during digital health program implementation for pandemic preparedness and response.

DIGI will continue to provide technical assistance on implementation of the GPHDI M&E framework, including analysis of routinely-reported data and synthesis of best practices and lessons learned. The logic model and key informant questions within the **M&E framework uses project-agnostic language that is easy to adapt and contextualize for other data modernization initiatives** beyond GPHDI.



Scan to view the M&E Framework including the logic model and question guide

To learn more about DIGI, email us at digit@uw.edu, visit uwdigi.org, or healthinformationexchange.org

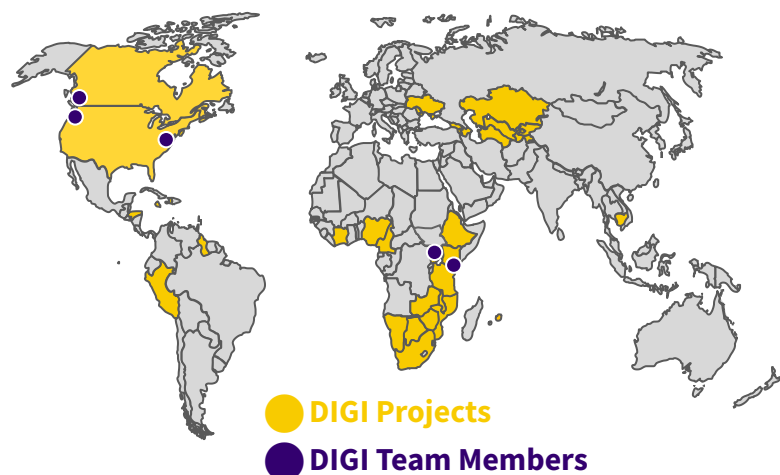


ABOUT DIGI

The Digital Initiatives Group at I-TECH (DIGI) envisions a world where health workers, clients, and communities are empowered with information that improves the quality, equity, and efficiency of health care services. DIGI brings a seasoned, multi-disciplinary team with a love of learning and with experience in strengthening national-scale health information systems and implementing digital health interventions around the world. We are committed to collaborating with global communities of practice to develop and enhance digital tools and provide technical assistance for effective implementation and sustainability.

DIGI MISSION

- > Deliver innovative, appropriate, and user-centered digital health solutions that accelerate improved health outcomes
- > Improve access to information and support decision-making by health workers, clients, and communities
- > Collaborate with global communities of practice to develop and enhance digital tools
- > Provide technical assistance for effective implementation and sustainability



PORTFOLIO FOCUS AREAS

DIGITAL HEALTH SYSTEMS

- > Digital health planning, implementation, and management
- > Digital health and mHealth design, engineering, quality assurance, and security
- > eHealth (enterprise) architecture and interoperability design, engineering, implementation, and management
- > National data repositories and secondary data use pipelines
- > Data analysis and data visualization
- > Technical project management

WORKFORCE DEVELOPMENT

- > Informatics and technical upskilling, capacity strengthening
- > Instructional design and training, fellowship, and academic program development
- > Informatics leadership strengthening

GOVERNANCE

- > eHealth strategic planning
- > Digital health / eHealth technical working group formation, management, and facilitation
- > Digital health guidelines and policy development
- > HIS and informatics standards development and application
- > Quality Assurance programs
- > Conformance planning, execution, and management
- > Budgeting and costing support for digital health and informatics projects

EVALUATION and ASSESSMENT

- > Impact and process evaluation for digital health and informatics projects
- > Quality improvement development and implementation
- > Program evaluation (M&E) development and execution
- > HIS / Digital health product assessment