DIGITAL HEALTH

IntraHealth is committed to developing technology solutions that help health workers provide high-quality services around the world. Our approach is rooted in the Principles for Digital Development, which encourage open source, data-driven, sustainable, collaborative digital solutions. IntraHealth is a pioneer in the field of health workforce informatics—the use of technology, information, and analytical approaches to better understand and provide support to the people at the center of health systems—and on the front lines of care.

Funding for these initiatives came from USAID, PEPFAR, the Bill & Melinda Gates Foundation, Digital Square, UNICEF, the Centers for Disease Control and Prevention, the European Union, and the World Health Organization.

IntraHealth
INTERNATIONAL
Because Health Workers Save Lives.

OUR APPROACHES IN ACTION

We apply our technological expertise to:

- Help health officials make better, more informed decisions about health workforce policy, planning, training, regulation, and management
- Create national health information ecosystems that use open and convergent standards and approaches to eliminate technology and data silos
- Broaden the use of machine learning and advanced analysis to facilitate new policy insights from existent and emerging data sets
- Foster local capacity, ownership, and talent in health information technologies
- Enable health workers to deliver better health services through effective mobile decision-support technologies, telemedicine, and related approaches
- Provide health workers with access to digital learning and online knowledge resources to ensure appropriate just-in-time information

OUR PRODUCTS & INITIATIVES

iHRIS: IntraHealth's free, open source software helps countries around the world track and manage their health workforce data. Countries are using it to capture and maintain high-quality information for health workforce planning, management, regulation, and training. Developed in collaboration with national stakeholders beginning in 2005, with support from USAID, iHRIS is now used in 27 countries to manage over a million health worker records.

Data Science: IntraHealth has developed machine learning capability with a multidisciplinary team. With PEPFAR funding in Uganda, we integrated traditional health data sources with new variables such as demography, transportation networks, social media, and weather into a common "data lake" and then looked for statistically significant associations between data elements. The findings are being used to explain why some areas have high values of health services delivery and effectiveness and others do not.

OUR PRODUCTS & INITIATIVES (CONTINUED)

mHero: A collaboration among IntraHealth, UNICEF, USAID, and a broad community of partners, mHero is a mobile communications platform that allows ministries of health to engage in two-way communication with health workers in urban and remote areas. mHero was used in response to the Ebola outbreak in Liberia, Guinea, and Sierra Leone. In Liberia, mHero still serves as an electronic integrated disease surveillance and response (eIDSR) system. mHero is now used for COVID-19 response in Liberia, Kenya, and Uganda.

Community Health Worker Registry: In Uganda, IntraHealth worked with the One Million Community Health Workers Campaign and UNICEF to support the Ministry of Health in developing an iHRIS-based community health worker registry. The registry, which now includes over 10,000 workers, helps district health offices track and manage community health workers and village health teams, collecting real-time data on health worker demographics, distribution, incentives, performance, and training.

International Data Standards: Through the CDC-funded P4 project, IntraHealth has coauthored four international standards through Integrating the Healthcare Enterprise (IHE):
1. Care Services Discovery for health worker and facility information exchange
2. Mobile Care Services Discovery (mCSD) for the Fast Healthcare Interoperability Resource (FHIR) specification
3. Patient Master Identity Registry to reduce patient misidentification
4. Mobile Alert Communication Management standard for health workers and manager messaging (mACM)

Open Health Information Exchange (OpenHIE): IntraHealth leads the Health Worker Registry Community for OpenHIE through which it has led development of standards, guidance, and technology for health worker registries. These registries enable countries to link the various systems (including iHRIS) in their health information architecture to understand the true scope of their health workforces.

GOFR: The Global Open Facility Registry is a global good to help health staff around the world create canonical lists of health facilities—public, private, faith-based, NGO—from disparate databases, and keep those lists accurate and up-to-date. PEPFAR is using GOFR in its Data for Accountability, Transparency, and Impact Monitoring (DATIM) data collection efforts and by several West African governments through a Digital Square-supported deployment.

OpenCR: The Open Client Registry is an open source, standards-based prototypical client registry designed to safely and uniquely identify individuals who have records in multiple information systems to help countries track patients through the continuum of care. OpenCR was built with USAID funding to support HIV epidemic control by facilitating the deduplication of patients' lab test results for tracking outcomes over time and identifying those lost to follow-up.

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