

THE REPUBLIC OF UGANDA MINISTRY OF HEALTH

Uganda's Roadmap for Integration of Digital Health Information Systems for Health Information Exchange

2018 Global Digital Health Forum Conference, Washington DC December 11, 2018



Status Quo

• Several local and international digital health innovations exist.

 Ministry of Health has recognized ehealth in the Health Sector
 Development Plan 2015/16 -2019/20.

• The National e-Health Policy and Strategy has been launched.



Launch of the eHealth Policy and Strategy in May 2018



e-Health Policy and Strategy: Pillars

Benefits Improved Quality, Safety and Outcomes, Improved efficiency, productivity and effectiveness Enhanced service and satisfaction for citizens, patients and providers

Leadership and Governance

eHealth Enterprise Architecture

Health Services

nfrastructure

eHealth Information Assurance

Human Resources & Capacity Building Mainstreaming Special Interest Groups

Research, Innovation and Development

eHealth Investment

Stakeholder Engagement

Change, Adoption, BPR and Transitioning -egal and Regulatory Function

Uganda National eHealth Pillars



Immediate Strategy Implementation Areas

Setup, strengthen and operationalize eHealth Governance Structures

eHealth Regulatory function development



Stakeholder Engagement Plan Development



eHealth Enterprise Architecture (EA) and Health Information Exchange (HIE) Development



Electronic Health Record (EHR) development



Health Provider, Facility and Client Registry Development



Strengthen existing eHealth Initiatives DHIS, HMIS, HRHIS



Workforce, Skills and Training

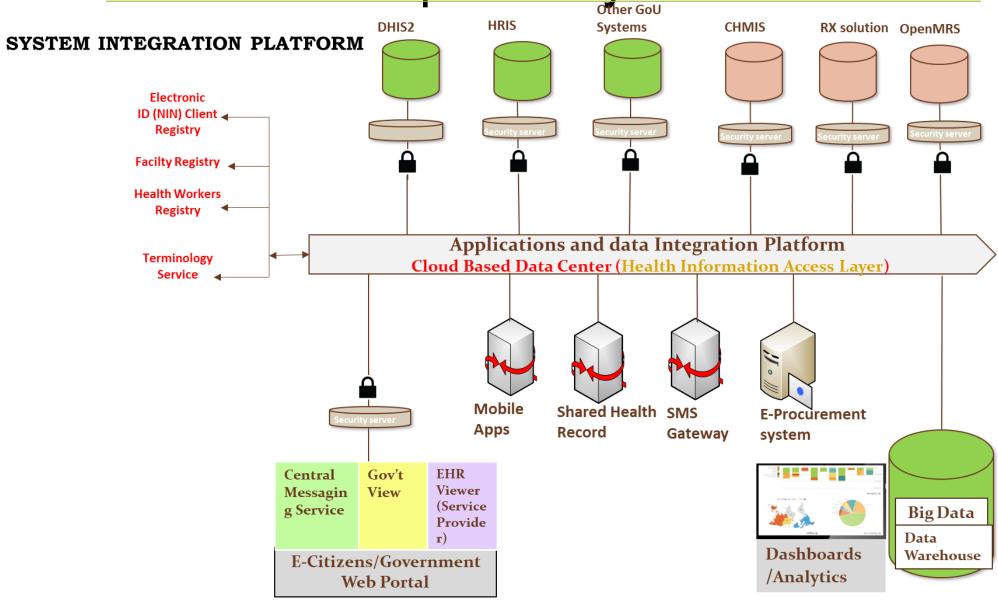


Accomplished: eHealth Governance



eHealth Interoperability Framework

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On-going Activities

- Evaluation of digital health interventions (an accreditation subcommittee was set up, over 40 registered so far)
- Populating the Digital Health Atlas with interventions in the country
- Development of Master Facility Registry (list approved)
- Development of Health Worker Registry
- Development of Client Registry



On-going activities

 Formulation of data security guidelines (recommendation from interoperability maturity assessment)

• Formulation of the HIS Strategy (key output of the HIS SOCI assessment)

 Revised the RHIS (HMIS) –integrated all programs and refugee data into one system.

• Strengthening existing systems (DHIS, iHRIS, RapidPRO, OpenMRS)



Planned Activities

• Development of eHealth Roadmap Document

• Development of national information exchange standards

• Development of the interoperability layer

• Development of terminology standards



Success Factors

• Use of global goods (such as Maturity models by HDC, Digital Health Atlas, DHIS, OpenHIE, GDHI, among others).

• Support of the Ministry of Health Senior Leadership.

• Collaboration with various Partners and Donors.

• Multisectoral nature of the eHealth Technical Working Group.



Challenges

Challenge	Solution
 Resources (we still need more to move to another level) 	 Lobbying
 Capacity challenges 	 Two Health Informaticians joined the Ministry of Health
 Private sector involvement 	 Engagement with PPP node of MoH has started
 Leadership gaps 	 Increased support from MoH Senior Leadership, opening up eHealth TWG



Appreciation

- The Team
 - Caroline Kyozira, Assistant Commissioner Division of Health Information.
 - Mpiima Jamiru, Health Informatics Specialist.
- The eHealth Technical Working Group.
- Senior Leadership of Ministry of Health.
- All Partners and/or Donors.





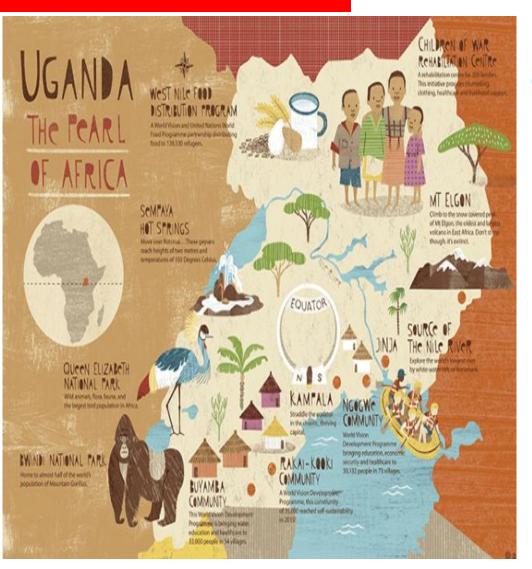
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UGANDA'S ROADMAP FOR INTEGRATION OF DIGITAL HEALTH INFORMATION SYSTEMS FOR HEALTH INFORMATION EXCHANGE

Bagenda Alfred Senior Systems Administrator MINISRY OF HEALTH 11TH DECEMBER 2018 WASHINGTON DC

Uganda Facts













Health system level – MoH HQ-NRH-RRH-DHS

No. of Health Regions

Population- 34.6 million

Population growth

No. of districts -122

(NPHC-2014)

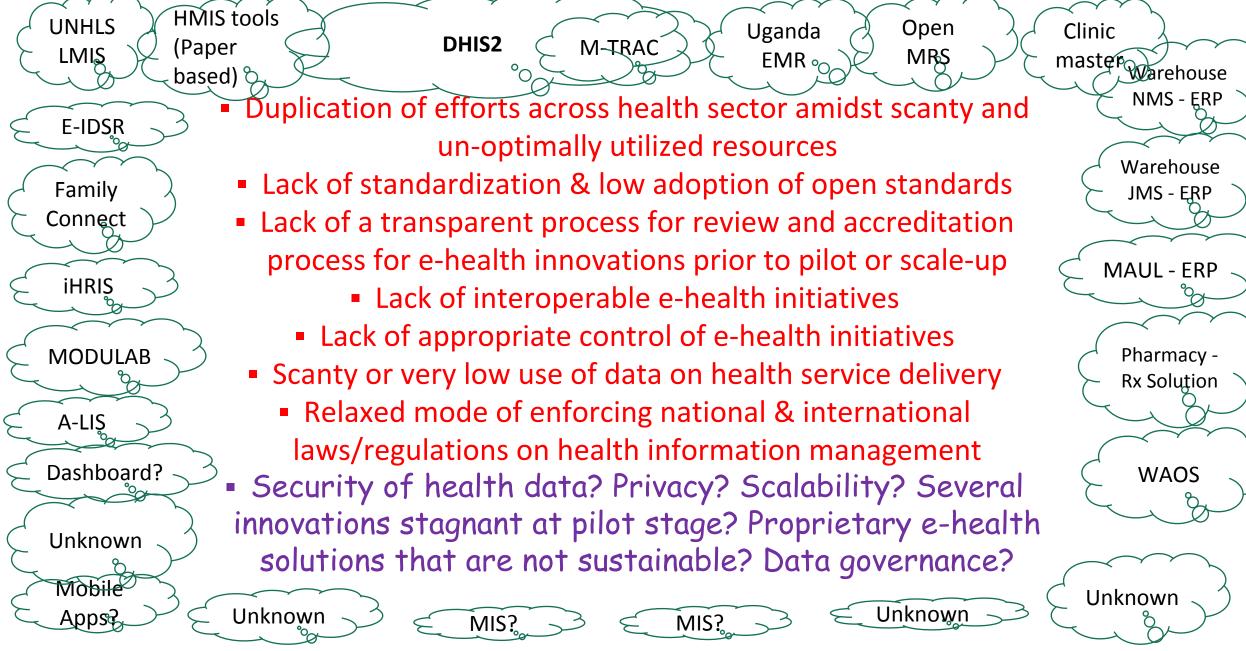
rate $\approx 3.2\%$

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HIV prevalence -XX In Care -XX Viral suppression -XX The Government of Uganda - MOH has made a commendable effort to ensure automation of service delivery for the sector. However, most Technical Programs, Development Partners have put in place isolated systems, information and operate in data silos. This makes it difficult for Government to realize the full potential of ICT in ensuring better service Delivery.

WHY INTEROPERABILITY



DRAFT HEALTH INFORMATION EXCHANGE PLATFORM

