

The Sum of it's

Parts: Integrated Disease Surveillance and Response - the Story of Liberia's Growing Health Information System

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The Problem... and the Solution

Liberia: The State of Affairs

- Weak health system
- Lack of regular communication between MOH and health workers
- Disease outbreak

State of Affairs
2014 - 2016

Pathway

mHero

 A health system that can detect, prevent and mitigate disease outbreak

Desired State of Affairs

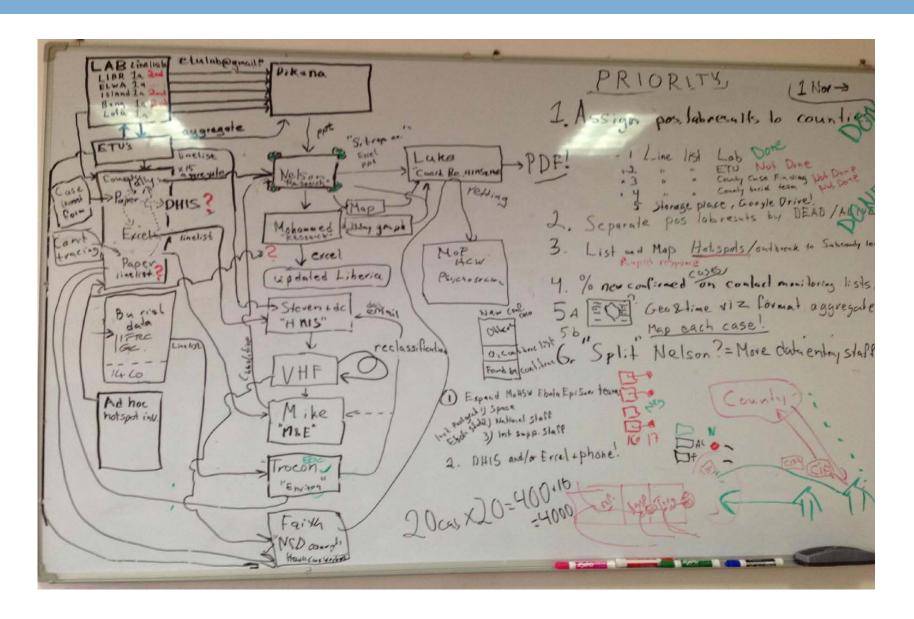




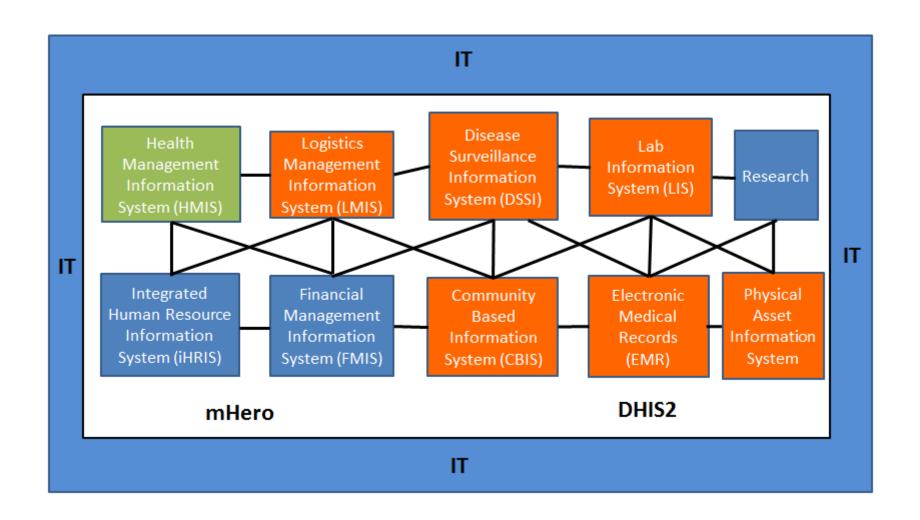




Ebola Outbreak Data Flow

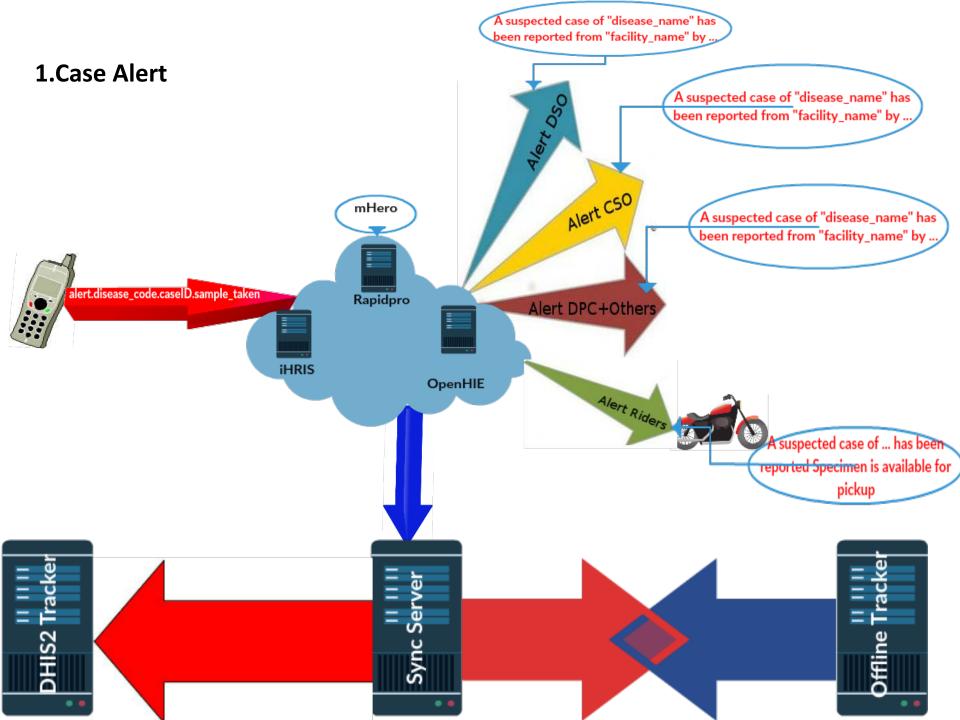


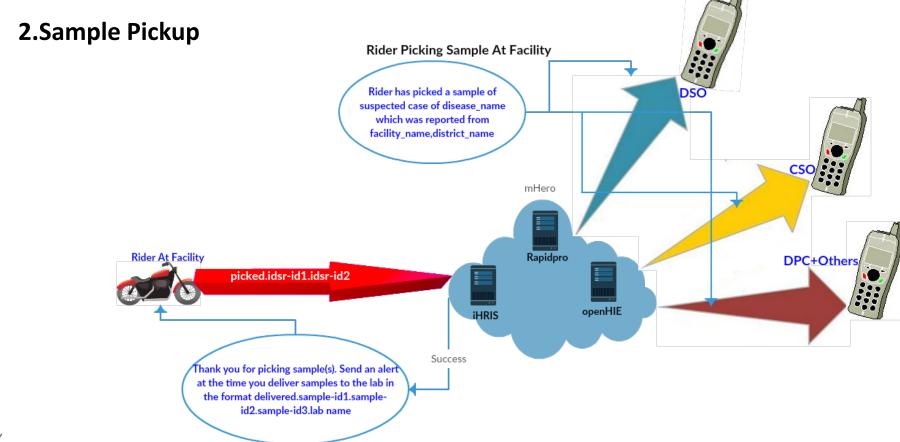
Liberia HIS





elDSR Use Cases



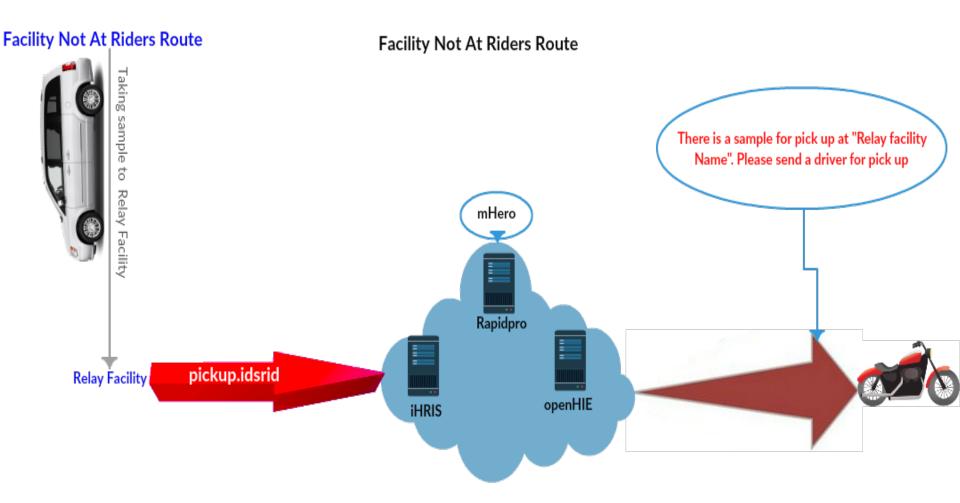


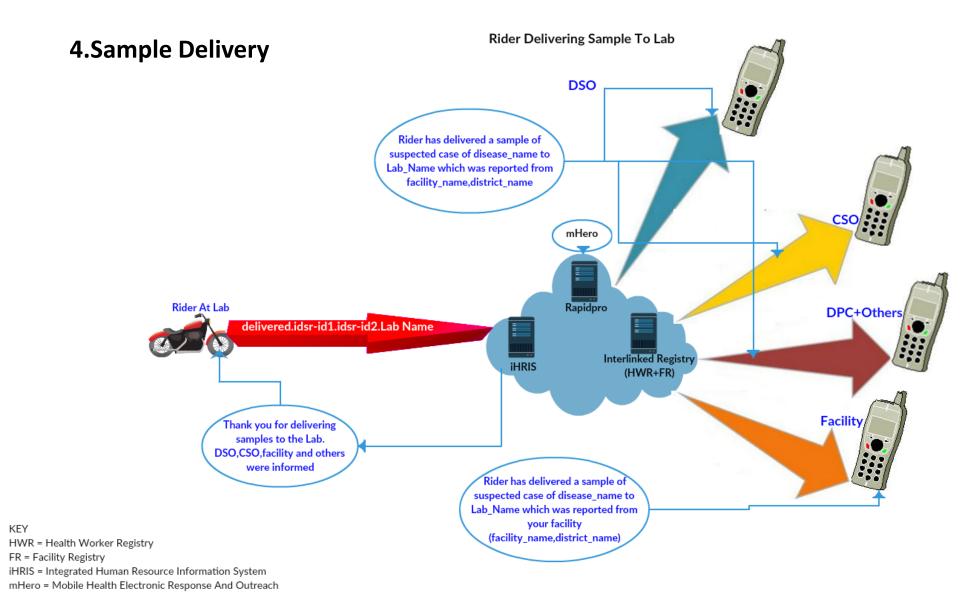
KEY HWR = Health Worker Registry FR = Facility Registry iHRIS = Integrated Human Resource Information System

mHero = Mobile Health Electronic Response And Outreach



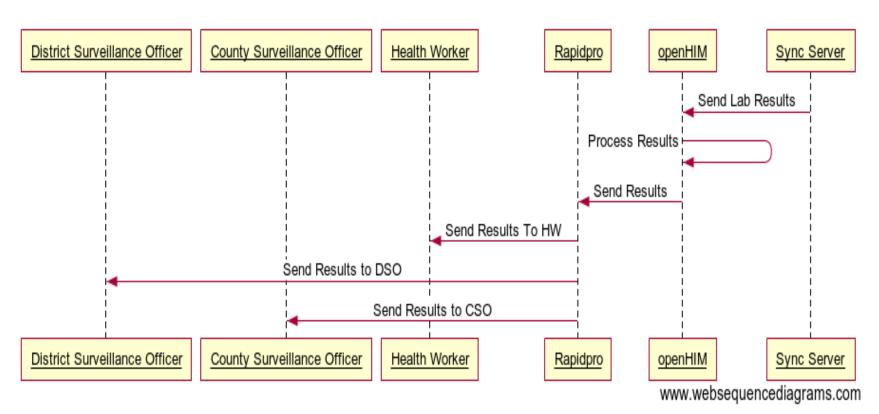
3. Sample Pickup Relay Facility





5.Lab Results

Lab Results

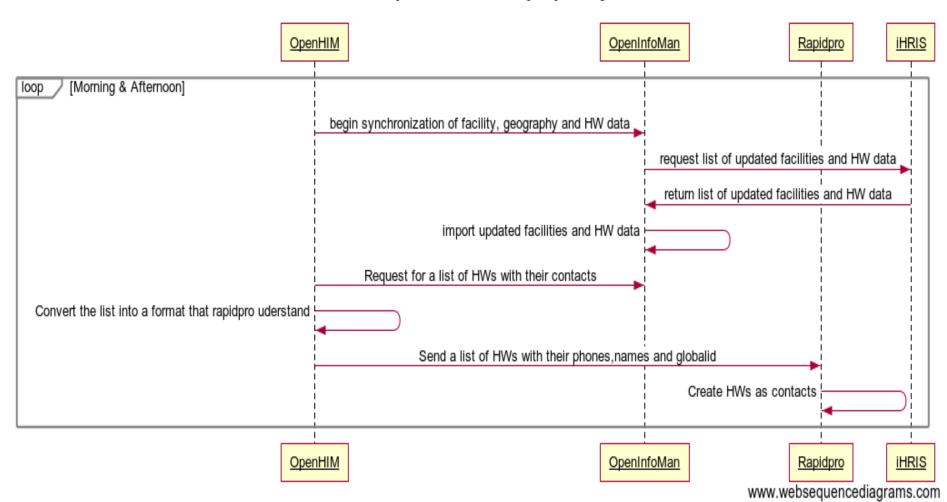




Deep Dive: eIDSR Back End Systems

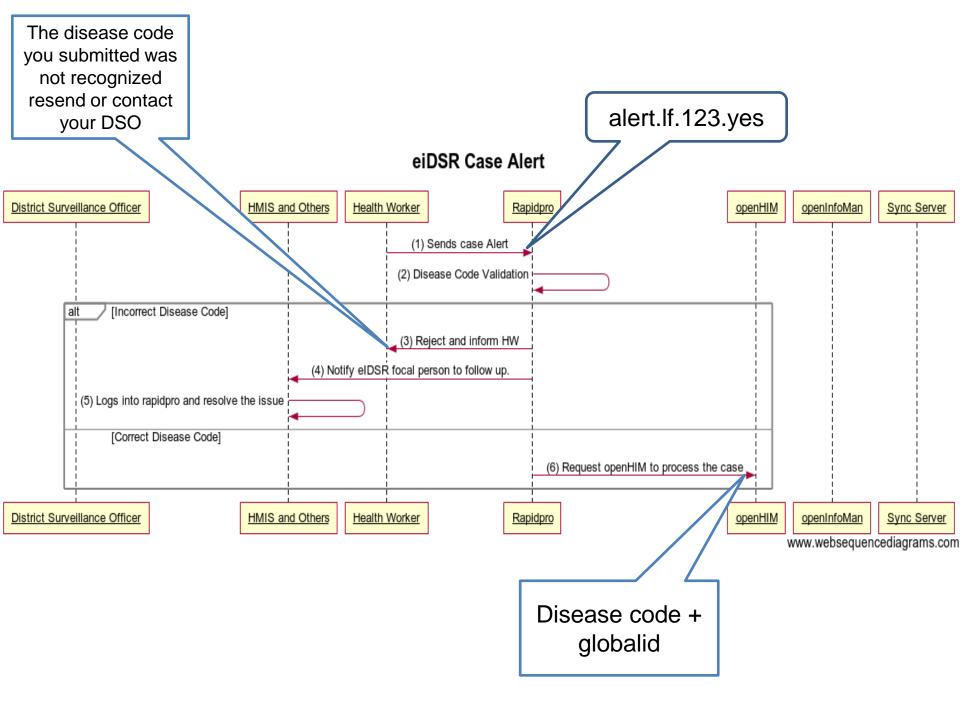
mHero Architecture

iHRIS-OpenInfoMan-Rapidpro Sync

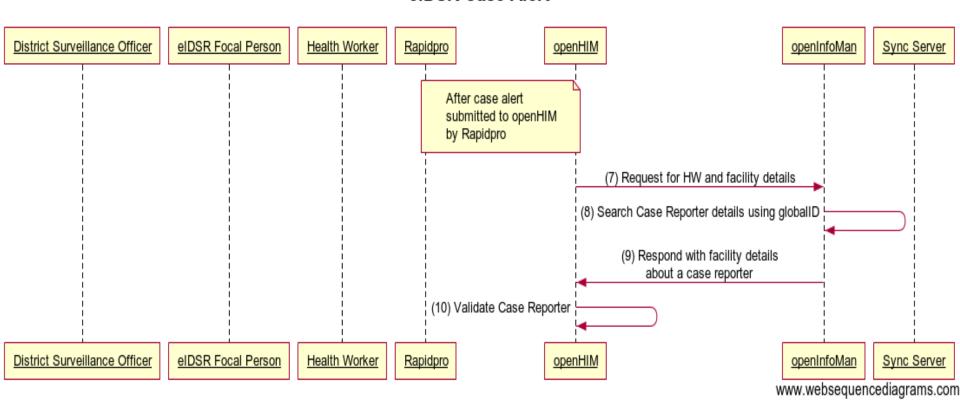




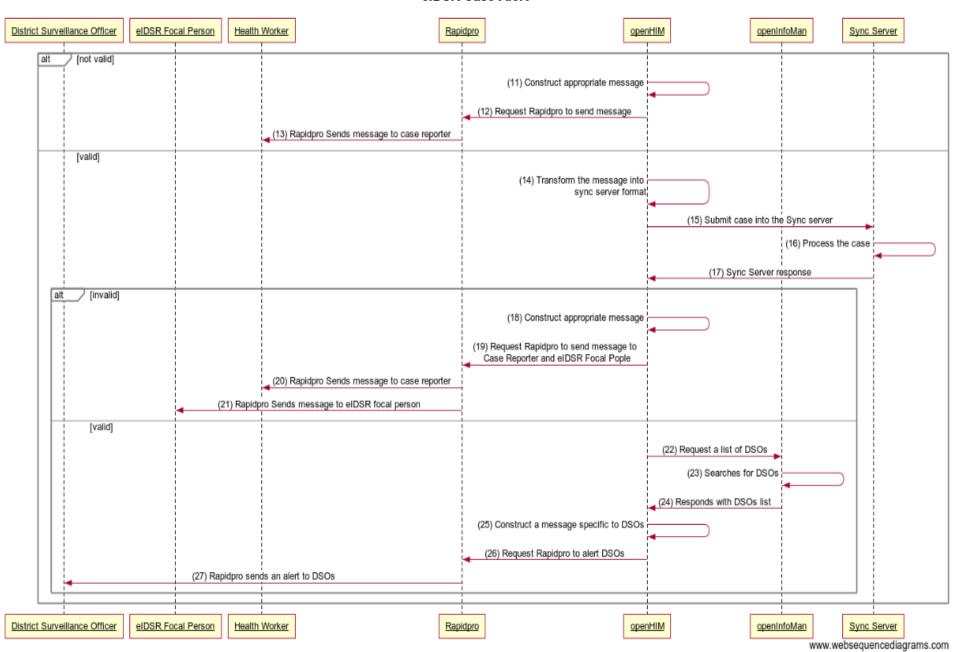
How eIDSR Works + Flow of Information



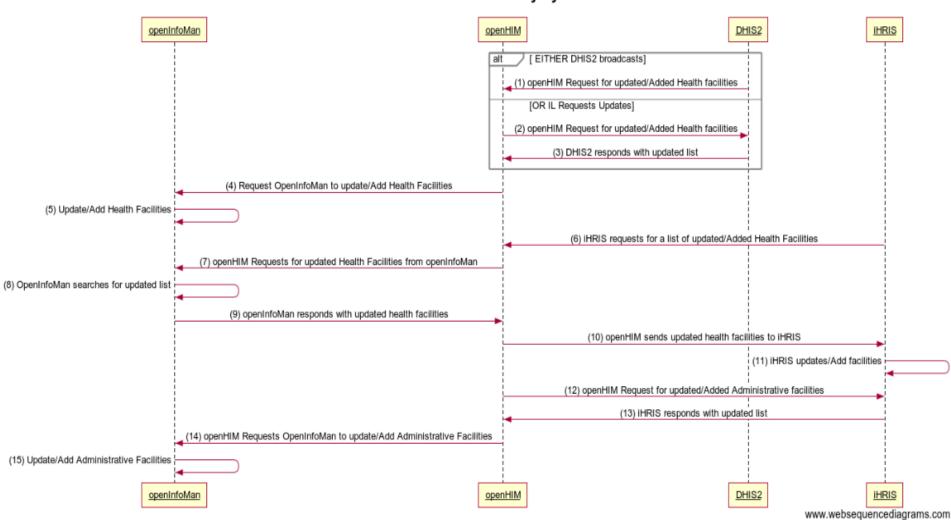
eiDSR Case Alert



eiDSR Case Alert



iHRIS and DHIS2 Facility Sync





Putting it All Together: The Human Side

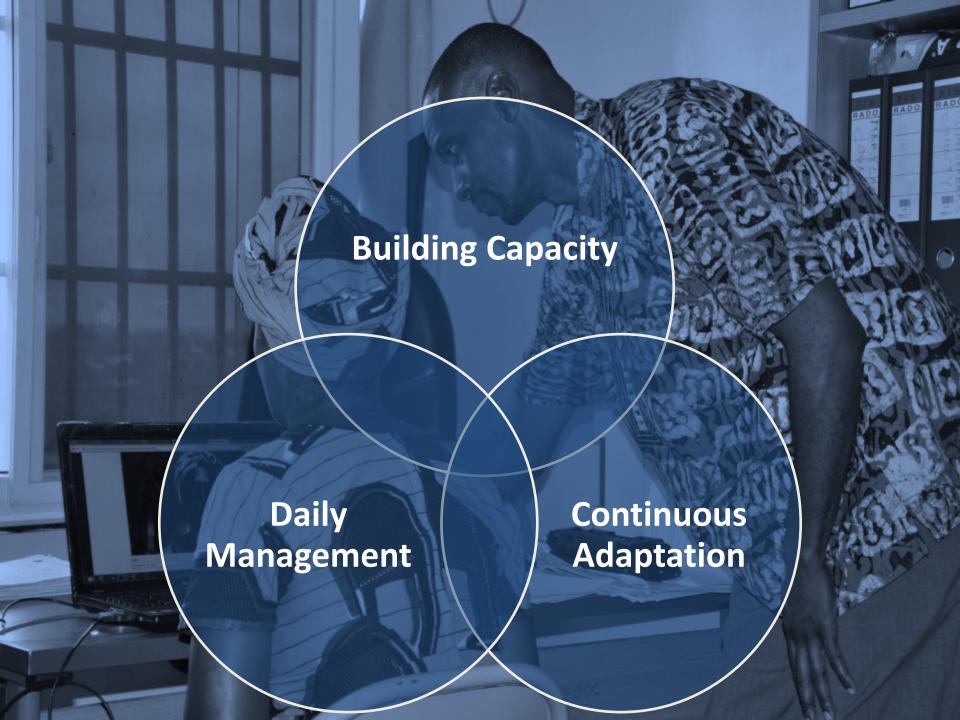
eIDSR Development

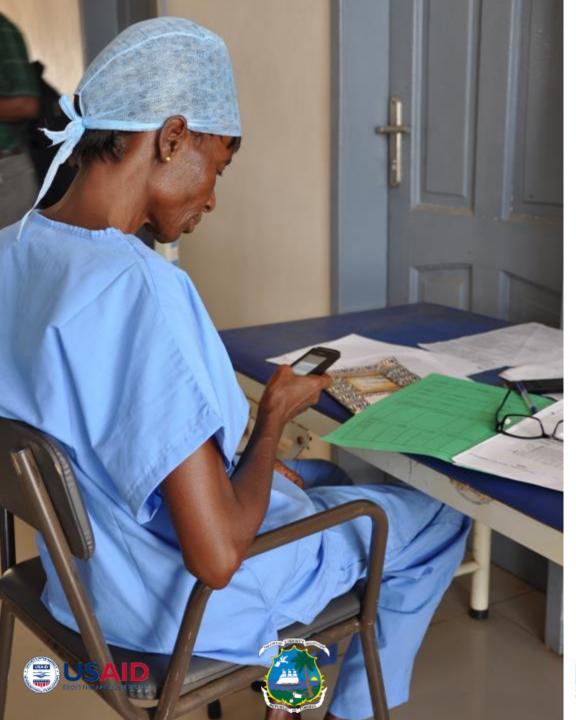
Requirements Gathering Technology Development

Virtual Teamwork

eIDSR TWG







Sustainability

Integration into HIS

Governance

Organizational Competencies

Decentralization

Ministry led
Management and
Maintenance







Reflections and Next Steps

Thank you!

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