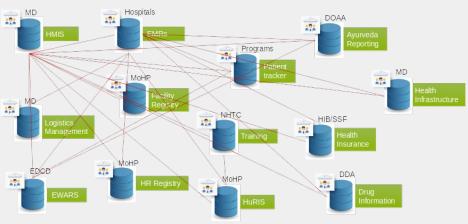
Standards and Interoperability Lab (SIL) Nepal

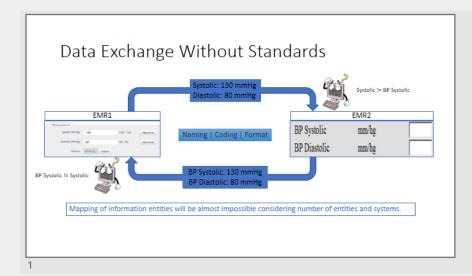


Health Information System Present Context



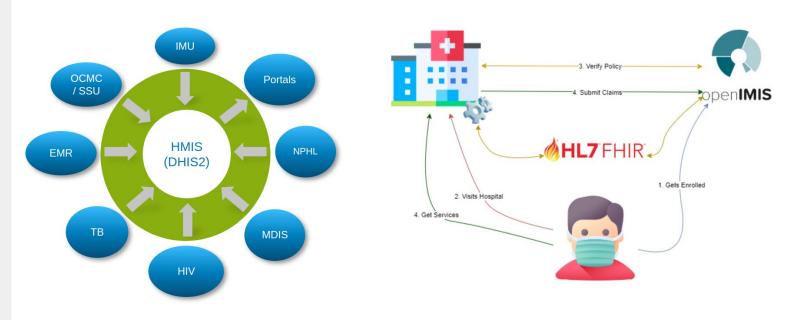


What Next?

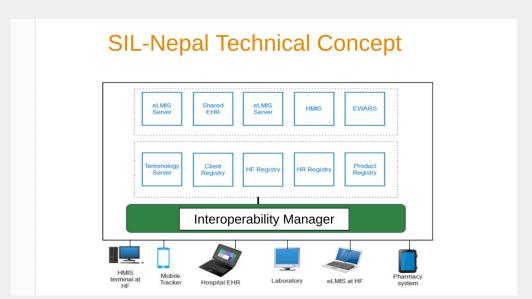


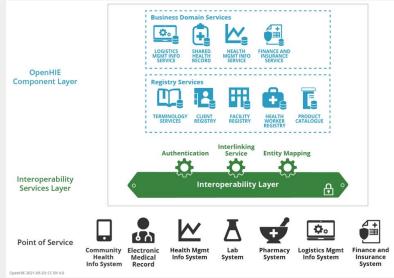


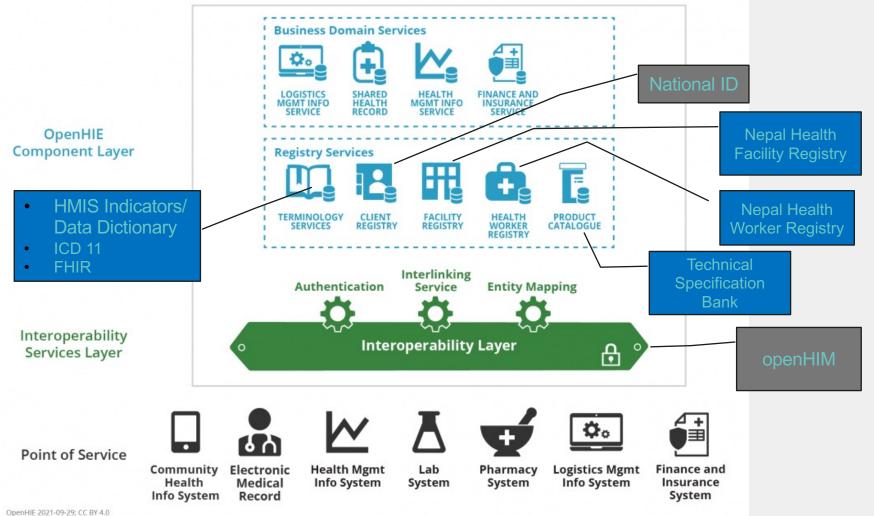
Current Interoperability



Desired Interoperability







How to do?

What is SIL?

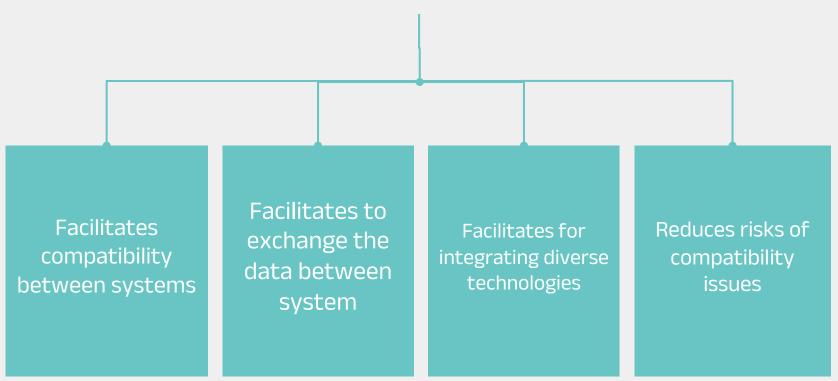
A collaborative space within MoHP to bring every stakeholders together to make the healthcare systems of Nepal interoperable through International Standards



Standards

- Standards in healthcare define the set of requirements (data structure, file format, protocol, procedures, processes, systems, etc) that must be met and agreed upon by all organizations within a determined health ecosystem to deliver quality healthcare service to its people.
 - Terminology standards (ICD 11, SNOMED, ...)
 - Content standards (HL7, ...)
 - Data exchange standards (FHIR, ADX, DICOM, ...)
 - Privacy and security standards (HIPPA US, GDPR EU, ...)
 - International Patient Summary

Why Interoperability Lab?







Collaborate with stakeholders such as government, private sector and academia



Develop standards, guidelines, prototypes, training materials



- OpenHIE environment for stakeholders to test their systems
- Test healthcare systems for standards and interoperability



Training, workshops and webinar on standards and interoperability

Workplan

Teaming	Tooling	Testing	Training
 Develop SOP for governance and certification Collaborate with academic institutions for the Interoperability and train academic institutions Coordinate with SIL-ASIA, AEHIN, and global ecosystem to capacitate in country resources. 	 Develop SOP for Lab Develop standards and guidelines for development Develop training materials and simulation of the project Develop web artifacts representing SIL and support to develop the content Develop standards/ specifications for EMR Install necessary hardware and software components 	 Initialise the OpenHIE based testing environment and POC for Data exchange within the simulated environment Test health care systems for standards for opensource system e.g DHIS2, OpenMRS 	 Webinars on the standards, registries, Interoperability, FHIR Workshop through global practitioner, Train developers through workshop Webinar every month.

Infrastructures required for the Interoperability Lab

- Hardware (Network Storage, Server, Firewall)
- Cloud Server
- Space on MoHP.
- Fully equipped space for the open collaboration and interaction (White Board, Screen, MiC, Round Table).
- Proper internet connectivity (Take Ref).
- Proper Server system following minimal government compliance.
- Cooling System with Power backup

Current Status		
-	Server Space allocated	
-	Approved the Interoperability	
	and materialized Digital Nepal	
	Framework to move towards	
	standards and its importance	
-	Facilitated Workshops and	
	orientation to stakeholders	
_	https://digitalhealth.mohp.gov.r	

- gov.n p/public/ dedicated web space for Digital Health Initiatives and showcase of ecosystem Technical experts are in place

Moving forward

- Governance for Lab Facilitate to finalize the SOP for
 - **EMR** Specifications and terminologies standards
- Sustainability Plan

Way Forward

- Awareness session in MoHP along with EDPs, department, academic, MoICT, NTA and relevant stakeholders
- Industry Visit to global ecosystem.
- Financial planning for the sustainability of Lab

Questions?