

ATM e-Health update

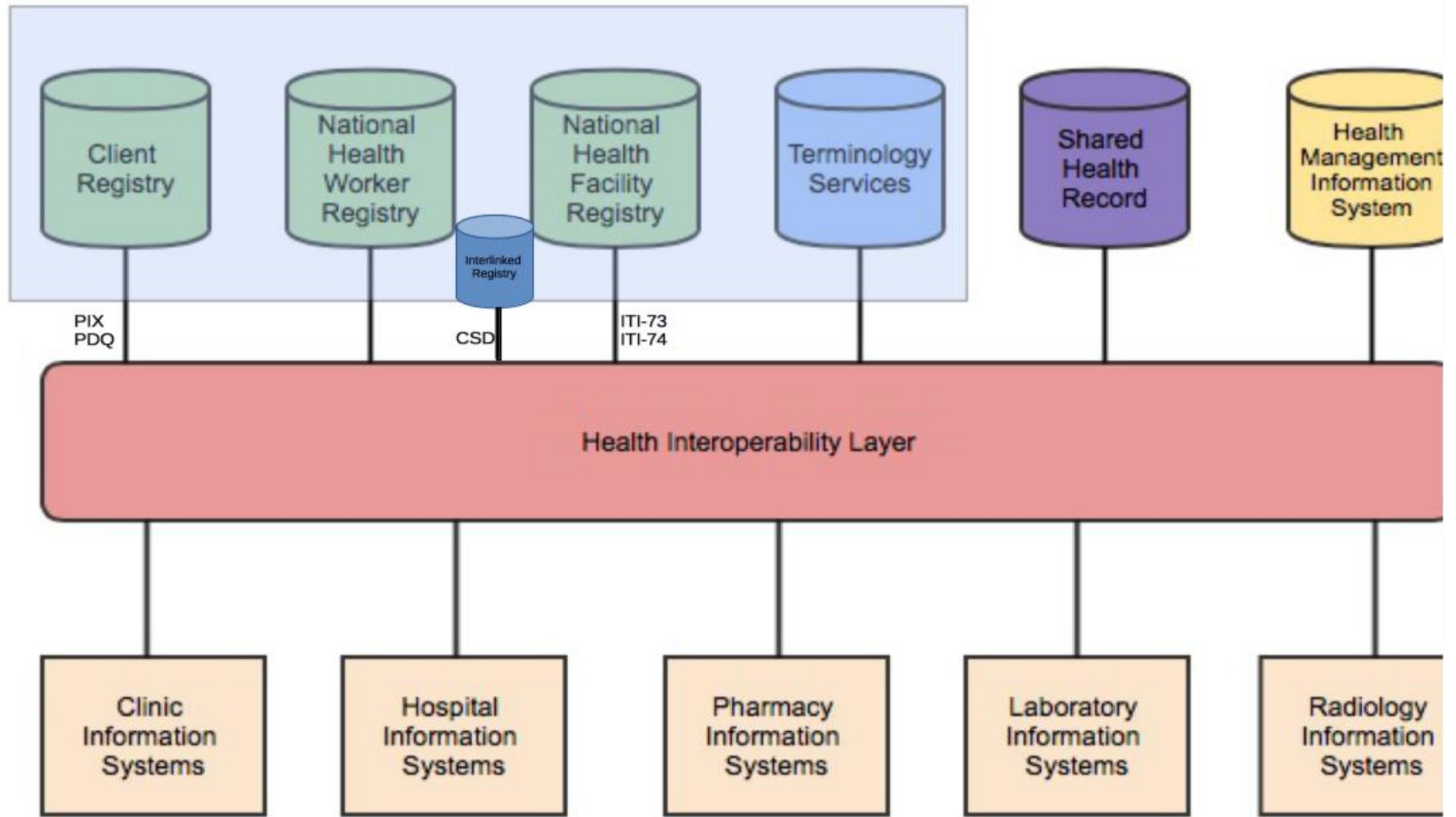
8 March, 2017

Naypyitaw

Presentation outlines

- Overview of e-health
- ATM DHIS-2 progress & update
- OpenMRS progress & update
- MPI update
- Challenges with e-HIS & key message

Overview of e-health



ATM- eHIS

- DHIS-2
 - Aggregated data
 - Event capture
 - Individual case based surveillance
- Electronic Medical Record : OpenMRS
- Master Patient Index (MPI)

ATM_DHIS 2 progress and update

- Capacity building: 2 batches of Fundamental academies and 4 batches of trainings for end users have been conducted in the past year
 - Participants from National Programs, development partners, and implementing partners
 - from all state and regions
- Customization was done based on country need
 - all currently used datasets of NAP, NTP, and NMCP have been customized
 - organization hierarchy (reporting units) based on backbone of HMIS
 - user accounts for each and every partners at various level
- Full roll out on 13 March 2017
 - followed by continuous coaching, technical support from experts
- Next step: moving towards tracker with the launch of MPI

OpenMRS

OpenMRS for National Programme (T.A from CHAI)

Robust and high interoperability individual recording system

	NAP (OpenMRS HIV/ART)	NTP (OpenMRS MDR-TB)
Donor	UNICEF	3MDG
Patient's Data	Life long data recording	20 months data recording
User requirement and Activities Achieved	<p>Customized for existing national forms</p> <ul style="list-style-type: none">• Released all 3 prototypes• Launched to 5 pilot sites• Scale up training	<p>Customized for existing forms</p> <ul style="list-style-type: none">• Released all 3 prototypes• Launched to 4 pilot sites• Scale up training

OpenMRS for National Programme

	NAP (OpenMRS HIV/ART)	NTP (OpenMRS MDR-TB)
Expansion	96 ART sites in 2017	22 MDR-TB clinics in five regions(Naypyitaw, Yangon, Mandalay, Ayeyarwaddy, Bago) in 2017
Future Plan	<ul style="list-style-type: none">• Follow up supervision to these sites• Trainings, ongoing technical assistance and supportive supervision visits will be followed• Linkage with DHIS server• Linkage with MPI	

OpenMRS (Current System)

Hospital or Treatment Center



Local Server
Laptop: with good performance laptop



Connecting with the Local Area Network (Wireless or Cable)



Reception



Lab



Clinician



Dispensing

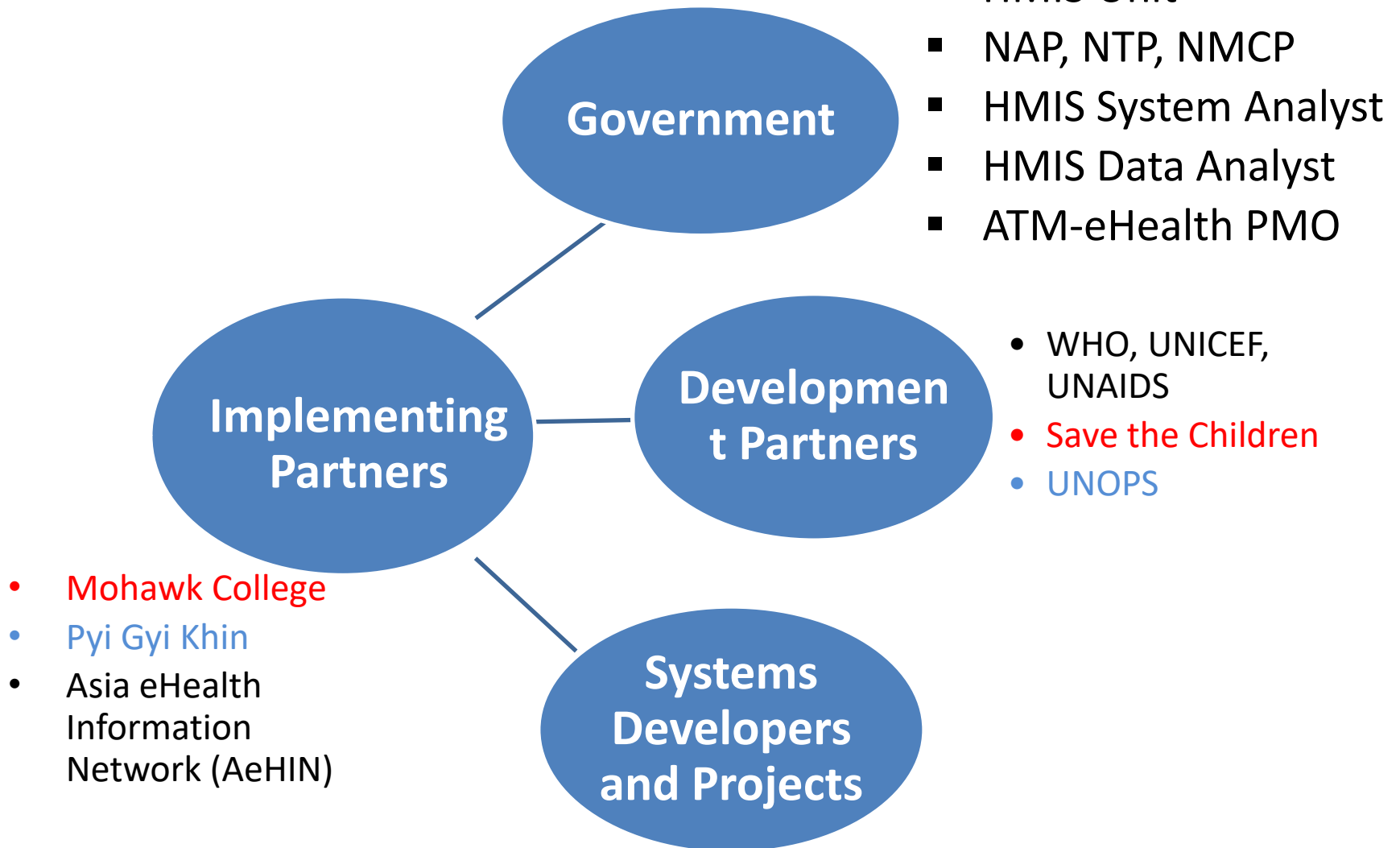
Client Laptop: Can be used with latest version of browser with standard laptop

MASTER PATIENT INDEX (MPI)

Scope of MPI Project

- Initial focus on HIV and TB to support effective longitudinal patient monitoring and case-based surveillance
- Operationalization of MEDIC CR and Unique Health IDs targeted for
 - HIV – testing, counseling, referral and treatment (ART and VCT centers)
 - TB-HIV – diagnosis, referral, treatment
 - MDRTB – testing and treatment

MPI Project Partners



Successful development of the MPI/CR involves the leadership of the government and collaboration by multiple partners

Myanmar MPI Status Update: Overall Status

- MPI web page portal was completed
- New app based functionality for QR code scanning and patient search developed
- Successfully tested ability to import real demographic data from existing systems
- User interface translated to Burmese
- To be completed: training and knowledge transfer

Myanmar MPI Status Update: User Interface and Layout of main patient ID web page

The screenshot displays the Myanmar MPI (Myanmar Medical Practice Information) web interface. The browser address bar shows the URL: `localhost:3422/Patient/Details/102310`. The page title is "MEMPI".

The left sidebar contains the following navigation items: Dashboard, robert.nutley@moh.gov.mm, My Account, Data Entry Clerk, New Patient, Search Patients, Patient Duplicates, and Log off.

The main content area is divided into three sections:

- National Health Identifier:** A box containing the number 545528002329. A blue callout bubble labeled "MPI Unique ID" points to this number.
- Patient Demographics:** A table with the following data:

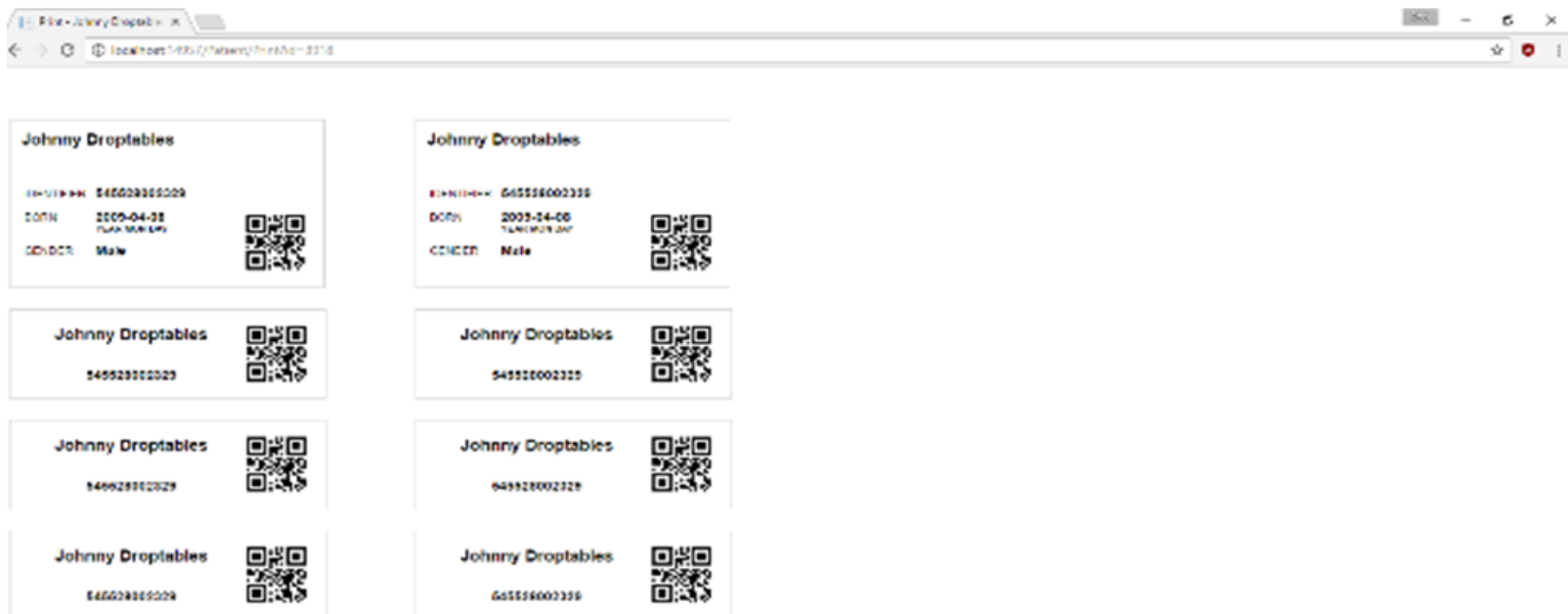
Field	Value
Full Name	Jenny Ungtades
Gender	Male
Date of Birth	2009-01-01
Father's Name	Jinbo
Mother's Name	
Address	125 Phawin Street, Phawin, Yangon 10232 (MOH)
Phone	
- Other Identifiers:** A table with the following data:

Patient Identifier	04100002329
Assigning Authority	National Health Identifier

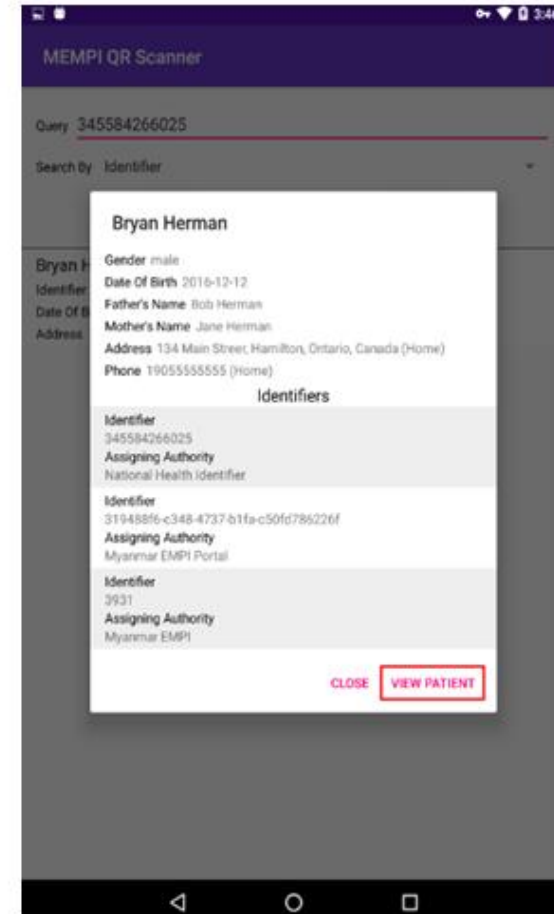
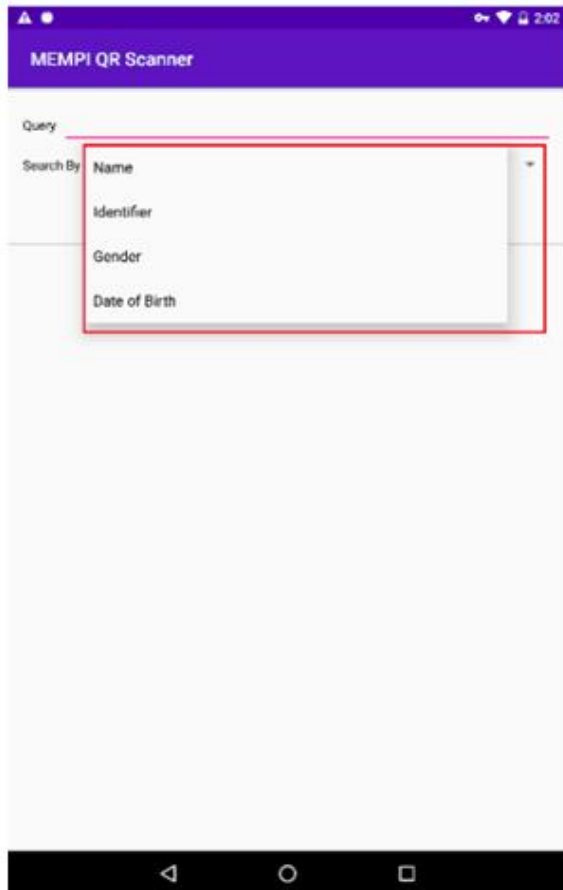
A blue callout bubble labeled "Local ID" points to the "Patient Identifier" field in the "Other Identifiers" section. A large blue curved arrow points from the "Local ID" callout back to the "MPI Unique ID" callout.

Myanmar MPI Status Update: Supporting Paper Based Workflow

- Paper based workflow support: Ability to generate unique ID, print and scan Unique ID QR code for cards and labels



Myanmar MPI Status Update: Mobile/Tablet App (Android) to retrieve patient via search or QR Code scan



Challenges with e-HIS

- Limited in house e-health experts
- Limited infrastructures and dedicated human resources
- Blueprint for national e-health architecture is needed urgently
 - Policy, regulations in the areas of Data Security and identity management etc. play crucial role
- Structural development and capacity building for dedicated e-health staff is vital for sustainable e-health movement
- Other components of interoperability layers should be developed
- Full engagement of related ministries is crucial

Key Message- no one left behind

- MoHS is moving toward the use of single national reporting platform with all implementers on board
- Decision makers, planners at every level are able to enjoy the products of the national reporting platform
- Each and every part of ATM e-health is moving in integration with current MoHS-HIS

Thank you for your attention!!!