eHealth in Myanmar

Aye Aye Sein
Director, Department of Health Planning, Ministry of Health
• Myanmar has laid down the **first national ICT Master Plan (2006-2010)** to build fundamentals for e-Myanmar.

• The works scopes were:
  – ICT infrastructure,
  – ICT industry,
  – ICT HRD,
  – e-Commerce,
  – e-Government,
  – e-Education & Awareness,
  – ICT standardization & liberalization and
  – ICT legal framework.
The ICT Master Plan 2011 has been developed with the vision of "socio-economic development through knowledge-based society". The major sectors include:

- e-Government,
- e-Education,
- e-Commerce,
- e-society,
- legal framework,
- ICT HRD,
- ICT utilization and
- ICT infrastructure.

Three extended areas were
- Agriculture,
- Mining Industry and
- Tourism Industry.
eHealth related activities

- Road map activities on e-Health innovation have been formulated from the National Workshop on COIA held in February 2013
- Computerized medical record system
- Development of web-based EMR
- Development of Social Security Board Management System - Enterprise Application System (SSBMS-EAS) (E-Smart Card for workers under Social Health Insurance Scheme)
- Participate in AeHIN
- AeHIN Scholars for the HL7 Online Fundamentals Course
- Health Facilities Assessment
DHIS2

• Introduction and training of DHIS2 to MOH core national team (September 2013)
• Initial implementation of DHIS2 in selected 20 townships
GIS
Geo-database for all public Health Facilities
Geo-database of Health Care Facilities

Distribution of Health Facilities in Shwebo Township, Sagaing Region

Department of Health Planning
Ministry of Health
August 2012
Identifying Hard to Reach Areas in Lewe Township

Oke Shit Hlaing RHC
Thit Poke Pin RHC
Ma Tawt Pin RHC
Kan Thar RHC
Tha Pyay Pin RHC
Wet Ka Mu RHC
A Lar SHU
Thar Wut Hti RHC

G Hospital
G Station Hospital
& RHCs
# Sub_RHC
! HTR (Hard to Reach)

Roads
Main River
Rivers and Streams
Railroads

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! HTR (Hard to Reach)

Roads
Main River
Rivers and Streams
Railroads
Time and Cost to Township Hospitals
Htantlang and Hakha, Chin State
Areas of low socio-economic development – Kayah State

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Health facility density per 10,000 Pop

- Loikaw 2.5
- Demoso 4.4
Areas of Conflicts – Rakhine State

Health Facilities in Maungdaw Township

INGOs working in Rakhine State

Number of INGOs

- None
- 1
- 3
- 4

G Hospital
E Station Hospital
! Rural Health Center
# Sub Rural Health Center
Roads
Rivers & Streams
Future eHealth Activities

• Establishment of a National e-Health Steering Committee

• Development of National e-Health Strategy

• Develop policy related to health data privacy and security

• Adherence to e-Health Standards and interoperability to support e-Health services, applications and infrastructure as well as to facilitate health information flow

• Use of web-based EMR

• Capacity building for eHealth

• Increase the participation in eHealth Information Network
Strategic Area 4:
Human resource development:

Promote knowledge management, education in ICT and better access to information as a key element for health promotion and health care.
Universities under the Department of Medical Science
Medical Resource Center

MEC Studio

Electronic Library Stage IV
Tele-broadcasting
eHealth related Trainings

• ICT & Use of ICT in Public Health
• HMIS
  • Computerized Medical Record System
  • ICD 10
• GIS (TIS, Communication mapping for HEB, Stakeholder analysis of RMNCH etc.)
• Data analysis (SPSS, Epi-info, WinEpi etc.)
• HINARI
Challenges and Needs

Challenges

• Limited ICT infrastructure
• Technical barriers at national and regional/global levels

Needs

• Capacity building
• Technical support
• Infrastructure development
• Cooperation and coordination of all stakeholders
• Strong policy and regulatory framework
Thank you