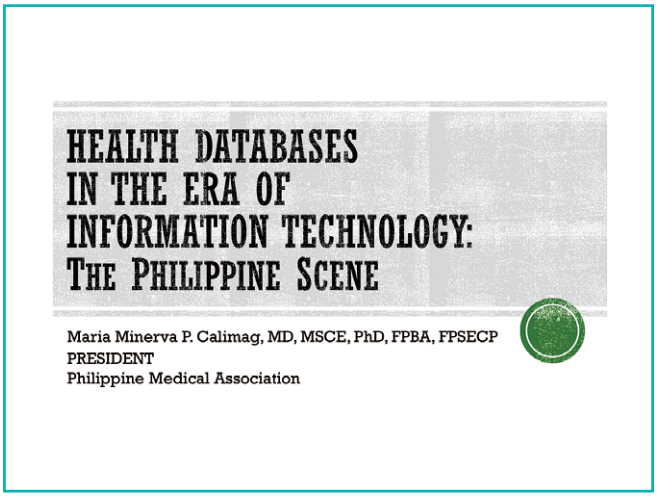
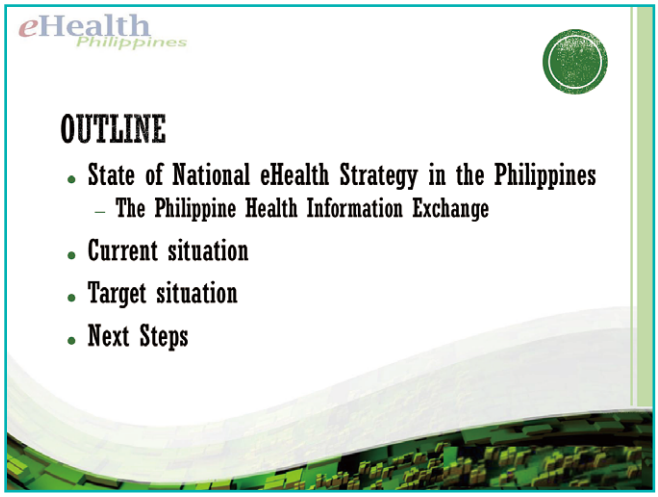
[Philippines]

Health Databases in the Era of Information Technology: The Philippine Scene*1

Maria Minerva P. CALIMAG[1]





*1 This article is base on a presentation made at the Symposium "Health Database in an Information Society" held at the 29th CMAAO General Assembly and 50th Council Meeting, Manila, the Philippines, on September 24-26, 2014.

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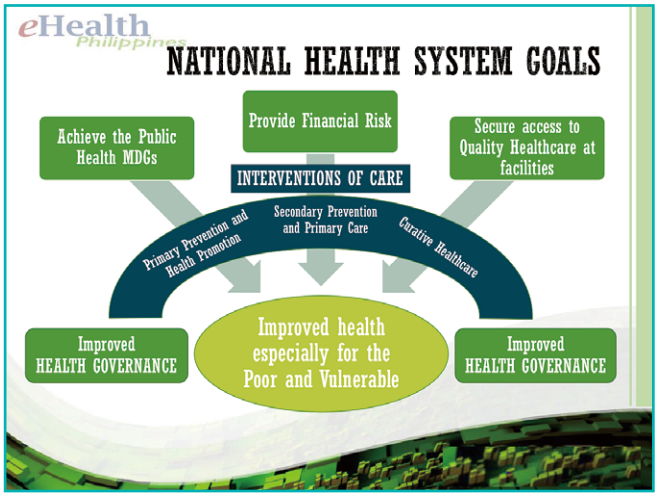
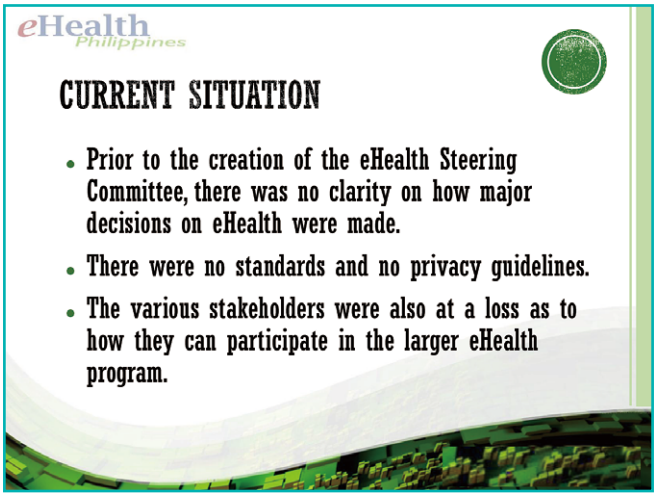

eHealth Philippines
NATIONAL HEALTH SYSTEM GOALS
Achieve the Public Health MDGs
Provide Financial Risk
Secure access to Quality Healthcare at facilities
INTERVENTIONS OF CARE
Primary Prevention and Health Promotion
Secondary Prevention and Primary Care
Curative Healthcare
Improved HEALTH GOVERNANCE
Improved health especially for the Poor and Vulnerable
Improved HEALTH GOVERNANCE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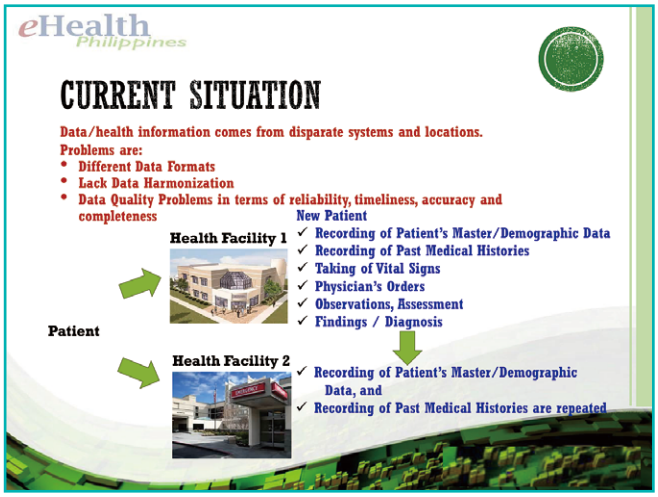
CURRENT SITUATION
• Prior to the creation of the eHealth Steering Committee, there was no clarity on how major decisions on eHealth were made.
• There were no standards and no privacy guidelines.
• The various stakeholders were also at a loss as to how they can participate in the larger eHealth program.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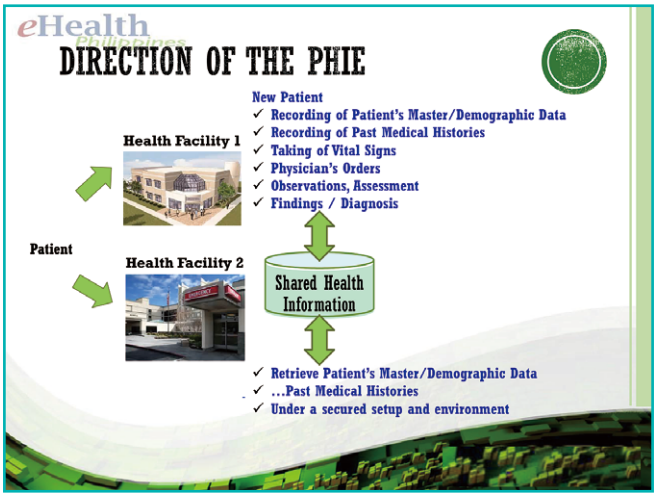
CURRENT SITUATION
Data/health information comes from disparate systems and locations.
Problems are:
• Different Data Formats
• Lack Data Harmonization
• Data Quality Problems in terms of reliability, timeliness, accuracy and completeness
Health Facility 1
New Patient
✓ Recording of Patient's Master/Demographic Data
✓ Recording of Past Medical Histories
✓ Taking of Vital Signs
✓ Physician's Orders
✓ Observations, Assessment
✓ Findings / Diagnosis
Patient
Health Facility 2
✓ Recording of Patient's Master/Demographic Data, and
✓ Recording of Past Medical Histories are repeated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DIRECTION OF THE PHIE
New Patient
✓ Recording of Patient's Master/Demographic Data
✓ Recording of Past Medical Histories
✓ Taking of Vital Signs
✓ Physician's Orders
✓ Observations, Assessment
✓ Findings / Diagnosis
Health Facility 1
Patient
Health Facility 2
Shared Health Information
✓ Retrieve Patient's Master/Demographic Data
✓ ...Past Medical Histories
✓ Under a secured setup and environment

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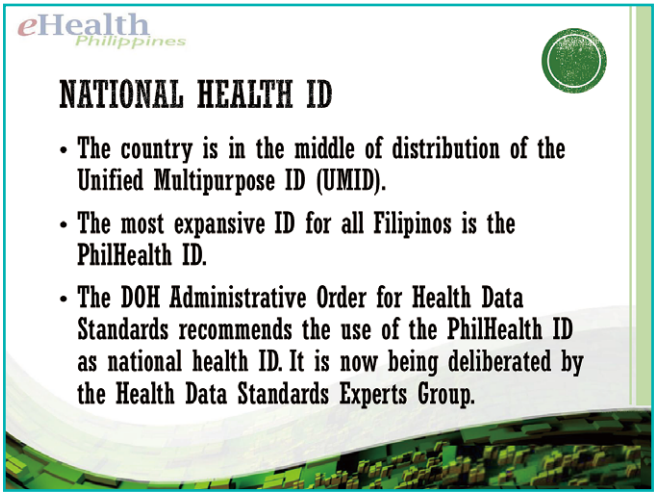
ACTION: PRIVACY
• The Data Privacy Act of 2012 explicitly prohibits sharing of personal information except with consent and/or public health emergencies.
• A National Health Data Privacy and Security Experts Group was created to draft the Privacy Guidelines. For public hearing this October.
• PMA is a participant of both the Standards and Privacy Experts Group.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NATIONAL HEALTH ID
• The country is in the middle of distribution of the Unified Multipurpose ID (UMID).
• The most expansive ID for all Filipinos is the PhilHealth ID.
• The DOH Administrative Order for Health Data Standards recommends the use of the PhilHealth ID as national health ID. It is now being deliberated by the Health Data Standards Experts Group.

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MAJOR HEALTH DATABASES

- Health and non-health (thesis, dissertations, grey literature on health in the Philippines)
  - www.elib.gov.ph
- More focused on health
  - www.herdin.ph

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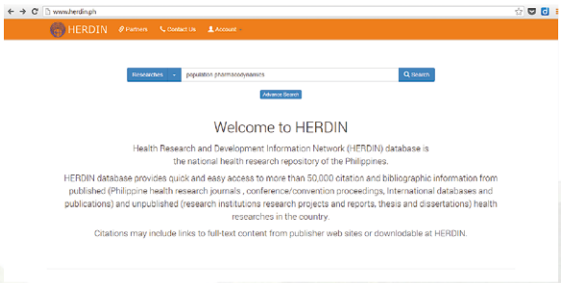
www.elib.gov.ph

eHealth Philippines

www.herdin.ph



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eHEALTH DATABASES

- eHatid
- WOMB – Watching Over Mothers and Babies
- AENDICUS – Anesthesia Database
- Cancer Registries – Philippine Cancer Society
- eReport – Drug Adverse Event Reports of the FDA

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TARGET SITUATION

- The target situation is to allow various stakeholders to participate in the national eHealth program

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TARGET SITUATION

- eHealth Vision
  - "To support widespread access to safe, high-quality healthcare, and a more equitable and responsive health system for all Filipino people by 2020, the Philippines e-Health system will enable secure access and exchange of health information, which will transform the way information is collected and used to plan, manage, deliver, and monitor health services."

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PHILIPPINE HEALTH INFORMATION EXCHANGE

- The National eHealth Governance Steering Committee approved the Philippine Health Information Exchange as the framework for standardized communication between stakeholders in the health sector.

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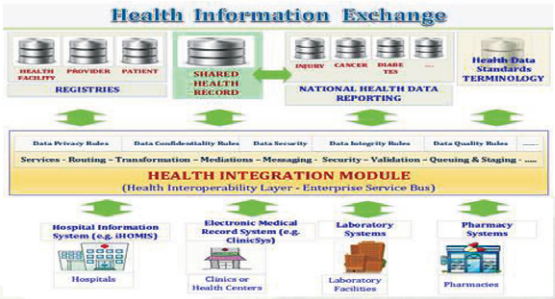
STANDARDS AND INTEROPERABILITY



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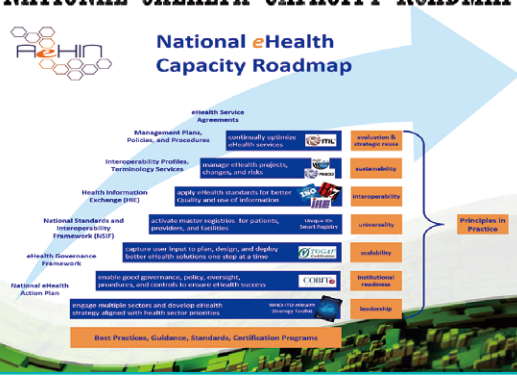
NATIONAL eHEALTH CAPACITY ROADMAP



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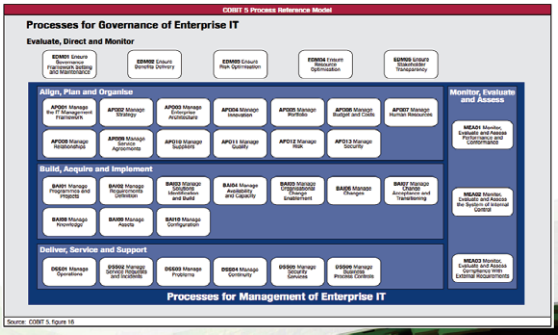
PROCESSES FOR GOVERNANCE OF IT



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MERITS OF HEALTH IT

- Automation
- Efficiency
- Audit
- Patient safety
- Research

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DEMERITS OF HEALTH IT

- Lack of capacity amongst healthcare and IT professionals
- Lack of human touch
- Additional expense with infrastructure investments

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NEXT STEPS
• It is hoped that once the standards are established and made available on the Philippine Health Information Exchange, all electronic systems in the country can start accumulating health databases that are compatible and can contribute effectively to national health research while also keeping their patients' information secure and private.

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THANK YOU