Philippine e-Health Strategy and Development
A Country Report

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Content of the Presentation

- Objectives of Health Transformation
- Health Transformation Parameters
- Guiding Principles for Philippine eHealth
- Philippine eHealth Strategic Framework
- Achieving Universal Health Care
- Analysis for Data Qualifiers
- Solution for Data Qualifiers Analysis
- Philippine National eHealth Architecture
- Philippine Information System Network
- Major Works in-Progress
- eHealth Implementation Approach
Objectives of Healthcare Transformation

- Achieve **better** health outcomes at **lower** cost per capita
  - Recognize that primary responsibility for health outcomes rests with the individual, with the government and healthcare sector providing a supporting role
  - Holistic approach recognizing the importance of lifestyle and behaviour in determining an individual’s health outcome
  - Timely access to primary care
  - Preventing onset of diseases where possible
  - Focus on maintenance for chronic diseases in order to avoid further complications

### Healthcare Transformation Parameters

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<thead>
<tr>
<th>Finance</th>
<th>Process</th>
<th>Offering</th>
<th>Delivery</th>
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<td><strong>1. Outcomes</strong></td>
<td><strong>3. Core process</strong></td>
<td><strong>5. Service Offering</strong></td>
<td><strong>7. Channel</strong></td>
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<tr>
<td>Who has primary responsibility/ownership for health outcomes</td>
<td>How is value-added at each step of the healthcare value chain (e.g., counseling, primary care, gatekeeping)</td>
<td>How is core offering defined (e.g., wellness, patient safety, primary care, curative care)</td>
<td>How to get the service offering to market</td>
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<td>How the entire healthcare ecosystem is compensated to reward good health outcomes</td>
<td>How ICT supports the core processes</td>
<td>How to achieve holistic view of patients, consolidating health outcome after each episode of care/across providers</td>
<td>How to integrate the entire customer relationship</td>
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Guiding Principle for Philippine eHealth

Higher cost ≠ better care

Absence of perceptible symptoms ≠ health
**Philippine eHealth Strategic Framework**

**2010-2016**

**Vision:** ICT supporting UHC to improve access, quality, efficiency, patient safety & satisfaction and to reduce cost and enable policy makers, providers, communities, and individuals to make the best possible health decisions.

**Mission:** To effectively use ICT to improve health care delivery, administration and management, and communicating health

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**Guiding principles** | Client-focus, Collaboration/Partnerships/User Involvement, Judicious & Efficient Use of Resources, Better Performance, Transparency, Public Accountability, Safeguarding privacy & confidentiality, Keeping technology simple & relevant, Shared Learning
### Philippine eHealth Strategic Framework

**2010-2016**

| Vision: ICT supporting UHC to improve access, quality, efficiency, patient safety & satisfaction and to reduce cost and enable policy makers, providers, communities, and individuals, to make the best possible health decisions. |

| Mission: Improving access, quality, efficiency, and individualizing health |

| Strategic Goal 1: Provide a rational and accountable eHealth agenda, and legal and normative framework and structures to implement eHealth |
| care delivery and administration and create new processes and forms of doing things |
| enabling Structures & Resources |

| Mission-Critical Health Application Systems |
| management information systems (Philippine Health Information System) |
| Strategic Goal 5: Capitalize on ICT to reach & provide better health services to GIDA, support MDGs attainment and dissemination of information to citizens and providers |
| (Telemedicine Services) |

| STRATEGIC TARGETS |

- Establishment of legal, policy and normative frame
  - Definite Road Map
  - Standardization (technical infrastructure, health informatics, statistics, interoperability, etc.)
- Increased & sustained financing including from LGUs
- HHR e-maturity/capacity building
- Multi-agency/sectoral collaboration & networks
- Support LGUs to finance, and sustain
- ICT Infrastructure development
- R & D
- M & E
- Promoting more efficient health systems with the following priorities:
  - Social Health Insurance
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- Harmonization/integration of data sources
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- Enhancing health services statistics reporting and from both public especially the LGUs & private sector
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To successfully implement the Agenda, the Philippine Health System requires the following components:

- Enlightened leadership and good governance practices
- Accurate and timely information and feedback on performance
- Financing that lessens the impact of expenditures especially among the poorest and the marginalized sector
- Competent workforce
- Accessible and effective medical products and technologies
- Appropriately delivered essential services

Six strategic instruments shall be optimized to achieve the AHA strategic thrusts:

- Health Financing
- Service Delivery
- Policy, Standards and Regulation
- Governance for Health
- Human Resources for Health
- Health Information
  - Provide evidence for policy and program development
  - Support for immediate and efficient provision of health care and management of province-wide health systems
## Analysis for Data Qualifiers

<table>
<thead>
<tr>
<th>Accurate Data</th>
<th>Patient-based</th>
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<tbody>
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# Solution for Data Qualifiers Analysis

## Accurate Data

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**Patient-based**

**CLINICSys**

**HOMIS**

**ICT introduction**

**Online System**
Philippine National eHealth Architecture
Universal Health Care

Accurate and timely information and feedback on performance

Health information

DOH National Health Data Dictionary (NHDD)
Unified Health Management Information System (UHMIS)
National Electronic Health Record System (NEHRS)
Community Information System (COMNI)
WEBSERV Web Services

Interoperability - Network - Communication - Connectivity
Philippine National eHealth Architecture
Universal Health Care

INTEROPERABILITY

HEALTH INFORMATION SYSTEMS (Data Sources and Reporting)

Delivery Health Services, Expertise, Education
Philippine Information System Network
Steps to National Electronic Health Record System and Unified Health Management Information System

• CLINICSys will be implemented in rural health units and Barangay health stations, hospital based outpatient department within the next five (5) years and will upload data to the DOH Unified Health Management and Information System.

• Private and other clinics will be uploading data to the DOH Unified Health Management Information System extracted from their existing computer-based clinic system.

• HOMIS will be implemented in other government hospitals within the next five (5) years and will upload data to the DOH Unified Health Management and Information System.

• Private and other hospitals will be uploading data to the DOH Unified Health Management Information System extracted from their existing computer-based clinic system.
Major Works in-Progress

- Continuing enhancements of the HOSP Sys to address the functional and technical requirements
- Continuing implementation of HOSP Sys based on the results of the National Center for Health Facility Development assessments and recommendations; and requests from other DOH hospitals and local government units
- Finalization of the Data Uploading from the CLINIC Sys and HOSP Sys to the Unified Health MIS
- Rural health units’ training on electronic-Field Health Service Information System (eFHSIS) (CLINIC Sys, AGGREG Sys and ONLINE Sys)
- Development of the Data Reporting/Uploading System for the MDGs Indicators and Bureau of Local Health Development (BLHD) Local Govt Unit Health Performance Scorecard to the UHMIS
- Collaboration with the Dept of Interior and Local Govt (DILG) on the implementation of the CLINIC Sys and HOSP Sys to gain support and commitment
eHealth Implementation Approach

- HOSP Sys, CLINIC Sys, … any other Softwares will be available for Free
- Initial resources to be provided:
  - Servers and workstation computers – Government Hospitals
  - Workstations computers – Rural Health Units
- Expansion of the CHD Core Group to assist in software maintenance
- Designation of Lead Information System Administrator (LISA) and Alternate Information System Administrator (AISA) in all CHDs and Hospitals to ensure continuing implementation of all DOH Information Systems
- Continuing technical and on-the-job training
- Continuing collaboration with the DILG and other government agencies on related IS
- Strengthening of the Philippine Health Information Network and National Health Data Dictionary
Thank You Very Much!

Maraming Salamat Po!