National e-Health Strategy (Philippines)

July 25-26, 2012
Geneva, Switzerland

Jovita V. Aragona
Information Technology Officer III
Department of Health
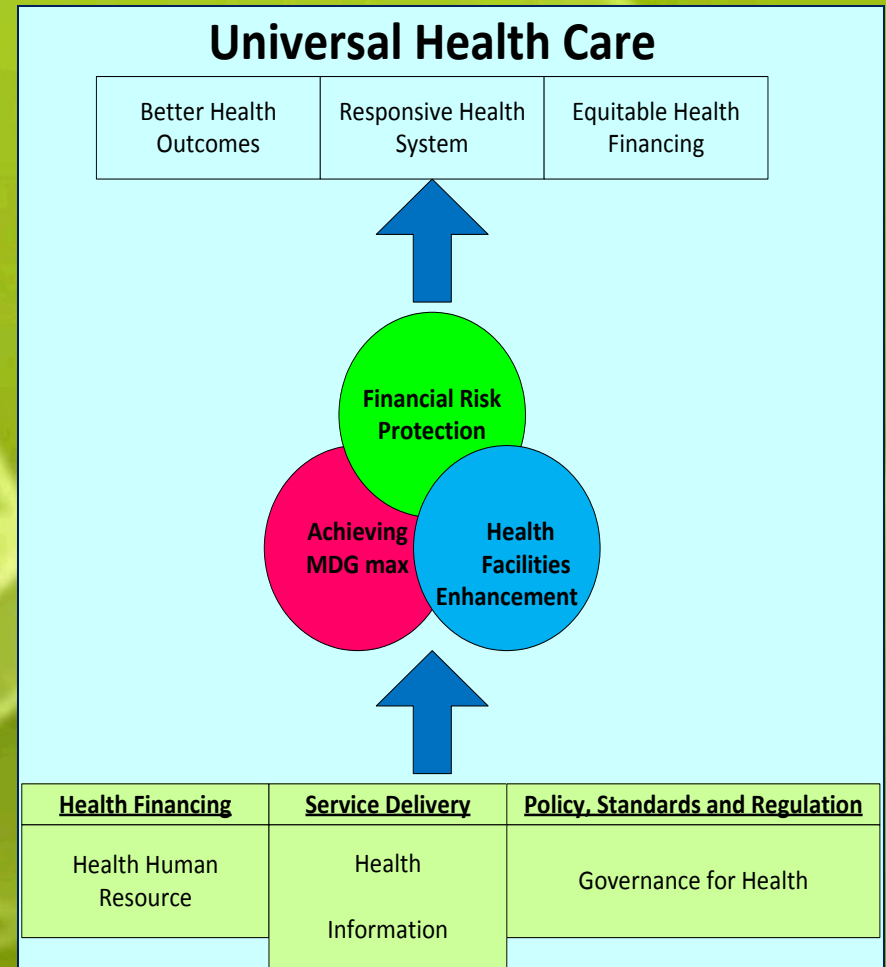
Brief Introduction

Mandate: Provide national policy direction and develop national plans, technical standards, and guidelines on health.
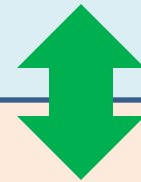
Vision: Health for all Filipinos

Mission: To ensure accessibility and quality of Health Care to improve the quality of life of all Filipinos especially the poor.

The implementation of Universal Health Care is directed towards ensuring the achievement of the health system goals of better health outcomes, fair health financing and responsive health system by ensuring that all Filipinos, especially the disadvantaged group, have equitable access to health care.

Universal Health Care

Better Health Outcomes	Responsive Health System	Equitable Health Financing

Financial Risk Protection

Achieving MDG max

Health Facilities Enhancement

Health Financing	Service Delivery	Policy, Standards and Regulation
Health Human Resource	Health Information	Governance for Health

Need for e-Health in the Philippines

Support quality improvement in the healthcare services

Lack of Manpower

Limited Access to Information

Disease Burden

Threats

100

0

Cost   Quality   Speed   Service

PROCESS RE-ENGINEERING

Redesign	Retool	Reorchestrate
Simplifying	Standardizing	Measuring	...	Workflows	Internet	Intranet	Networks	...	Process/System Harmonization	Information Technology	e-Health Applications	Human Resources	...

Strategy Development Process

5 **Implementation and Monitoring of the Activity Plan**

- Management of the Action Plan (Creation of the ICT4H, Development of the Health Sector Enterprise Architecture, Identification of Proposed National Standards for Health Information System and Interoperability, Development of the Capacity Building Framework and Compliance Framework) | Creation of the Philippine Network for Injury Data Management System | ...
- Implementation Review

4 **Formulation of the Action and Activity Plan**

Identification of key activities, deliverables, and time frame.

3 **Formulation of the e-Health Vision and Framework 2010-2016**

Identification of the building blocks or components (Enabling Structures and Resources | Mission-Critical Health Application Systems | Philippine Health Information System | Knowledge Management for Health | Telemedicine/mHealth Services)| Updates in Application Services or IS and Infrastructure

2 **Situational Analysis**

Review and Assessment of the Philippine Health Information System | Review and analysis of existing e-Healths | Review and analysis of the need for e-Health in the Philippines | Review of existing Information System and Strategic Plan

1 **Formulation of the Philippine Health Information Network**

National e-Health Strategic Framework 2010-2016

e-Health Vision	ICT supporting Universal Health Care to improve access, quality, efficiency, patient safety and satisfaction, reduce cost, and enable policy makers, providers, communities, and individuals to make the best possible health decisions.
Mission	To effectively use Information and Communication Technology to improve health care delivery, administration and management, and communicating health.

STRATEGIC GOALS

Enabling Structures & Resources	Mission-Critical Health Application Systems	Philippine Health Information System	Knowledge Management for Health	Telemedicine/ mhealth Services
Provide a rational and accountable eHealth agenda, and legal and normative framework and structures to implement eHealth	Increase efficiency of processes and systems in health care delivery and administration and create new processes and forms of doing things	Establish a unified and coherent health & management Information systems	Institutionalize knowledge management systems to promote knowledge exchange and utilization especially at sub-national levels	Capitalize on ICT to reach & provide better health services to GIDA, support MDGs attainment and dissemination of information to citizens and providers

Client-Focus | Collaboration/Partnerships/User Involvement | Judicious & Efficient Use of Resources | Better Performance | Transparency | Public Accountability | Safeguarding Privacy & Ensuring Confidentiality | Keeping Technology Simple & Relevant | Shared Learning | Use of Standards
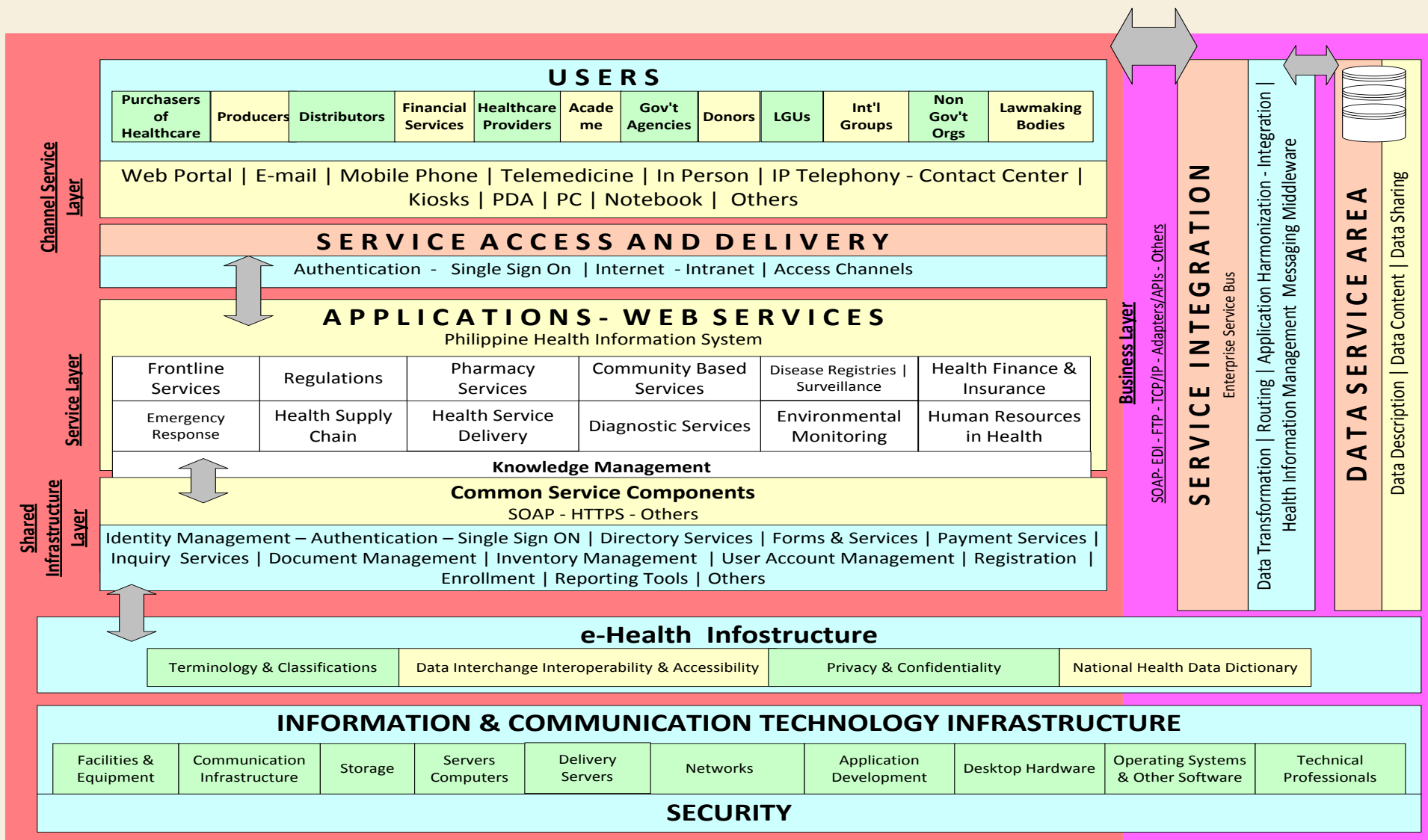
STRATEGIC PLANS-TARGETS

Enabling Structures & Resources	Mission-Critical Health Application Systems	Philippine Health Information System	Knowledge Management for Health	Telemedicine/m health Services
• Establishment of legal, policy & normative frame • Definite Road Map • Standardization (technical infrastructure , health informatics, statistics, interoperability, etc.) • Increased & sustained financing including those from LGUs for local health facilities • 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 • Disease Surveillance • Essential Drugs Management & Price Monitoring • Health Emergency Preparedness & Response • Health facilities Management including Blood Supply • Other Ancillary services • Referrals • Health Regulation of facilities, services, goods (drugs, food, cosmetics, hazardous household chemicals, etc.) • Health records • Health promotion & learning • Financial, procurement, & material management	• Harmonization/ integration of data sources • Adoption of a data management protocols • Enhancing health services statistics reporting and from both public especially the LGUs & private sector • Expand & improve implementation of ISs for health centers, hospitals, PHIC, HHR, and ISs under UHC • Expand data access and utilization for evidenced-based decisions and ISs sustainability • Information governance	• Increase capacities for K production, use & application • Health Research • Knowledge translation • Improve access, exchange and sharing • K portal & dashboard, Intranets, call center • Data warehouse • E-library • National & international databases, publications • Best practices • CoPs or K networks • Improve K tools, K hubs or learning & resource centers • Promote standard , repeatable processes & procedures	• Policy & Strategic framework • Implement systems to reach GIDA, and to support MDGs attainment (patient monitoring/tracking (WOMB-Watching Over Mothers and Babies , referrals, health providers networks, connecting health providers and patients , diagnostic services, etc)

Activity Plan

Activity	2010	2011	2012	2013	2014	2015	2016
1 Development/Upgrading of Infrastructure							
- Computing Infrastructure							
- Physical Infrastructure							
2 Development/Upgrading of Plans and Architecture							
- Information System Strategic Plan 2011-2013							
- DOH-wide Enterprise Architecture							
- Philippine Health Information System Strategic Plan							
- Data Management							
3 Collaboration							
- Creation and Expansion of Networks							
- Conduct of HIS Fora	Symposia	...							
4 Development of e-Health Relevant Standards							
- National Health Record Identifier							
- Electronic Health Record							
- National e-Health Information Standards (technical, informatics, Information Protection and Privacy, ...)							
5 Development of Legal Policy and/or Implementing Orders							
6 Implementation of Standards							
7 Development/Harmonization/Implementation of e-Health Solutions							
- Application	Information Systems	Portals	...							
8 Capability/Capacity Building							
- Training							
9 Research and Development							

Health Sector Enterprise Architecture

Challenges in the Development of the e-Health Strategy

- Availability of resources to support the development and upgrading
- Presence of committed leaders to support the process
- Capacity of developers and users to develop and support the process
- Presence of well defined priorities and direction
- Continuing coordination/collaboration with different stakeholders
- Ability to continue the eHealth Agenda whenever there are changes in political and health sector leaders

Lessons Learned → Recommendations

- Develop with stakeholders/multi-sectoral involvement
- Allow flexibility due to changes or varying requirements
- Set standards for proper guidance and direction
- Address immediately threats/problems
- Turn challenges into greater opportunities
- Encourage or motivate people to support the endeavor