eHealth Strategic Plan And Philippine Health Information Exchange

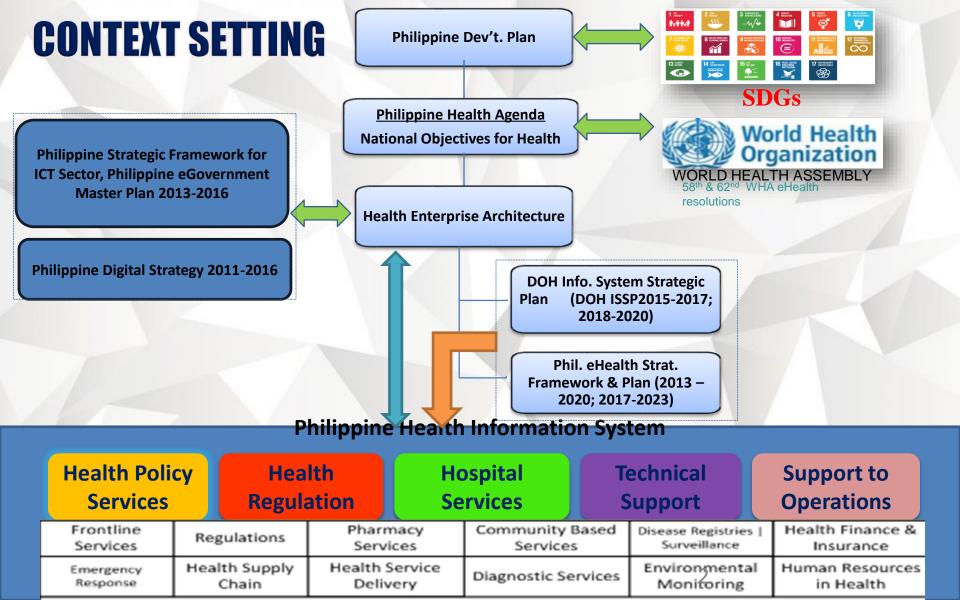
Department of Health
25 October 2017
Philippine Institute for Development Studies Conference Hall











eGOV Master Plan Framework

e-Government Governance: Organization, Regulation and Policies				
Client-centered Government		Networked Government		
Government Portal		Groupware		
Open Government		Planning/KM/Risk Management		
Open Data				
Citizen (G2C)	Business (G2B)	Government to G	Government	
e-Education	Investment/Tourism	Financial Management	(GIFMIS, eTax)	
e-Health & Welfare	e-Logistics	Human Resourc	es (HRIS)	
e-Justice, Peace and	e-Agriculture	Asset Management an	d Procurement	
Order				
SHARED SERVICES				
e-Documents	e-Signatures (PKI)	e-Payment	GIS	
REGISTRIES				
Citizen	Land	Business	Vehicles	
INFRASTRUCTURE				
Internet Access, Data Center, Security				





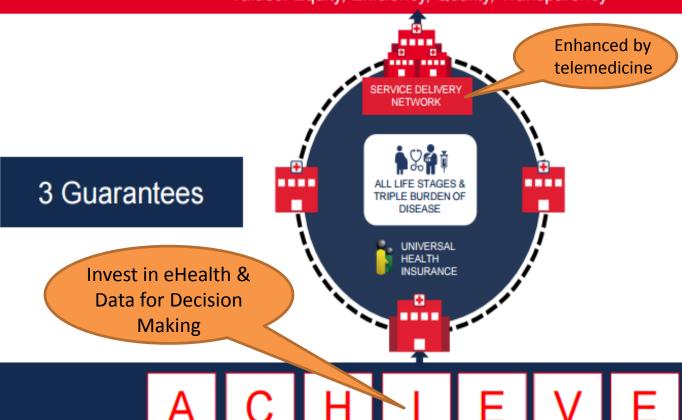






Goals: Attain Health-Related SDG Targets Financial Risk Protection, Better Health Outcomes, Responsiveness

Values: Equity, Efficiency, Quality, Transparency













THE PHILIPPINE HEALTH AGENDA

Advance health promotion, primary care and quality

Cover all Filipinos against financial health risk

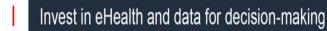
Harness the power of strategic HRH

Invest in eHealth and data for decision-making

Enforce standards, accountability and transparency

Value clients and patients

Elicit multi-stakeholder support for health





- Require online data* submission as requirement for licensing & contracting of health facilities and drug outlets
- 2. Mandate the use of Electronic Medical Records (EMR) in all health facilities
- 3. Invest in nation-wide surveys, administrative data and disease registries
- 4. Automate major business processes
- 5. Facilitate open access to anonymized data











^{*} clinical and administrative

Philippine eHealth Strategic Framework & Plan, 2014-2020

National **eHealth** Vision

RURAL HEALTH UM

VISION

By 2020, an ICT-enabled Philippine Health System towards better and equitable access to quality health care services, and easier access to secure real time and quality health data and information for evidenced-based decision making.

IT-Enabled Health Services

IT in All Public Health Facilities

EHR Systems Validation

Health Data Standards Use

PHIE Implementation

EHR Implementation





HOSPITAL MANAGEMENT INFORMATION **SYSTEMS**

Philippine Health Information Exchange









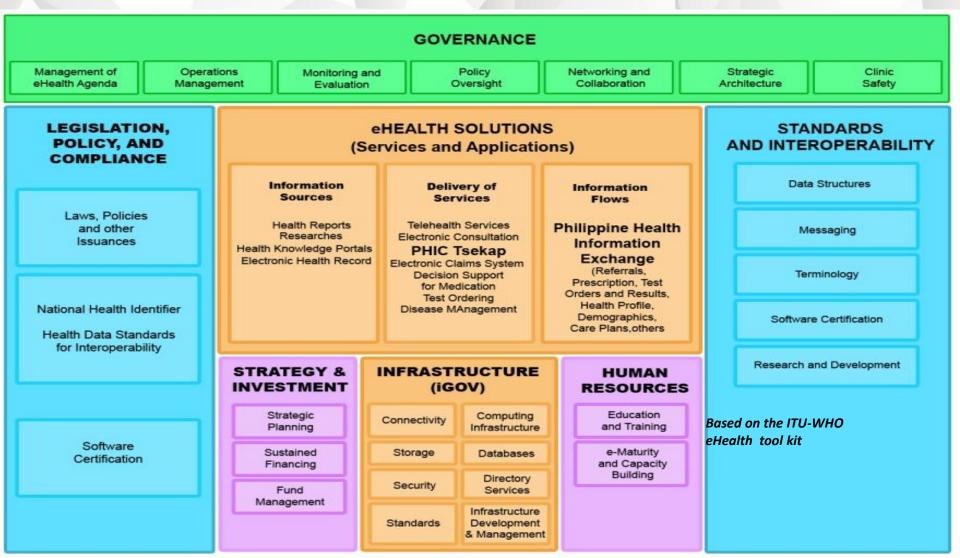




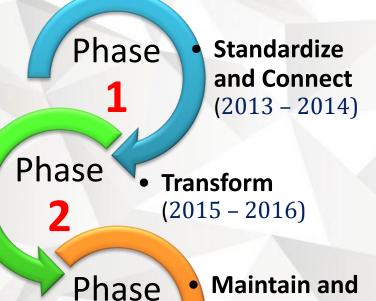




eHEALTH PROGRAM COMPONENTS



Strategic Phases



- establishment of governance and standards
- Continuing innovations to develop and implement defined national eHealth solutions.
- By this time eHealth solutions has been established and needs to be maintained and sustained









Measure

 \bullet (2017 – 2020)

Commitments for eHealth Plan 2013-2017

What Have We Done So Far?

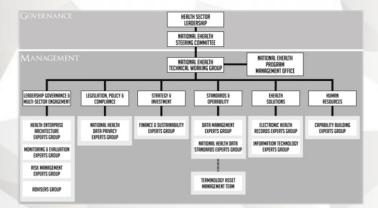














LEADERSHIP, GOVERNANCE & MULTI-SECTOR ENGAGEMENT









Creation of the **Interagency National eHealth Governance Steering Committee and Technical Working Group**

Creation of Various eHealth Experts Groups & Teams

Creation of eHealth Advisers Group (Private Sector)

Conduct of regular National eHealth Governance Steering Committee, Technical Working Group, eHealth Advisers Group, eHealth Experts Groups and Teams' consultations, coordination and facilitation of tactical activities, and jointly issuance and operations of agreed eHealth policies, strategies, plans, guidelines, rules and procedures and/or their equivalent.

LEGISLATION, POLICY & COMPLIANCE



Drafting and endorsement of TeleHealth Bill to the 14th & 15th Congress; eHealth Bill to the 15th & 16th Congress – endorsed to the DOH-Health Policy Development and Planning Bureau for inclusion to list of priority health bills for approval in the 17th Congress

> Endorsement of the Proposed Joint Administrative Order (AO) on the Institutionalization of the Inter-Agency National eHealth Governance Committee of the National eHealth **System** to the Office of the President [OP]







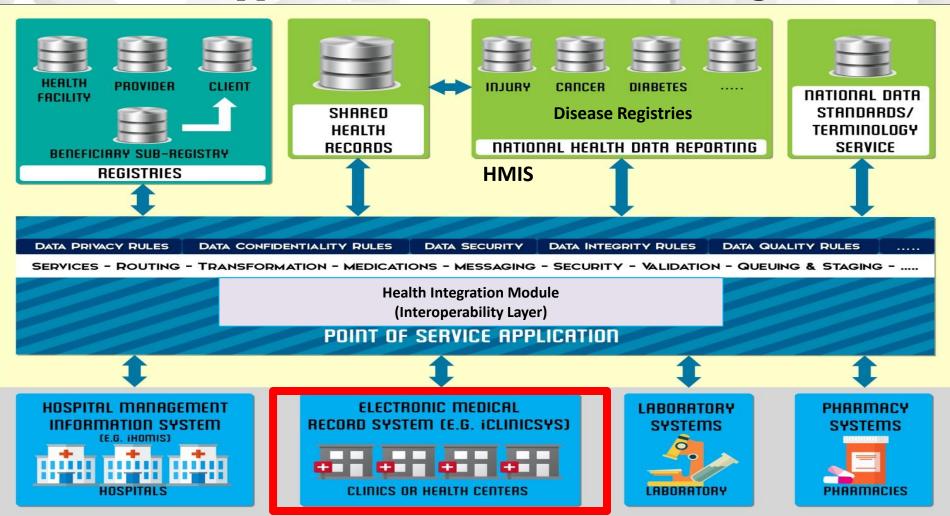




	Major Issuances	Title	
	DOH AO No. 2013- 0025	National Implementation of Health Data Standards for eHealth Standardization and Interoperability (Release 01)	
	DOH AO No. 2015- 0037	National Implementation of Health Data Standards for eHealth Standardization and Information Interoperability (Release 02)	
	Joint AO 2016- 0001	Implementation of the Philippine Health Information Exchange (PHIE)	
	Joint AO 2016- 0002	vacy Guidelines for the Implementation of Philippine alth Information Exchange (PHIE)	
	Joint AO 2016- 0003	Adoption of the Philippine Health Information Exchange (PHIE) Lite	
LIC	Joint DM 2017- 0001	Creation of DOH and PhilHealth Health Information Technology Governance Structure for the Adoption of the PHIE lite	

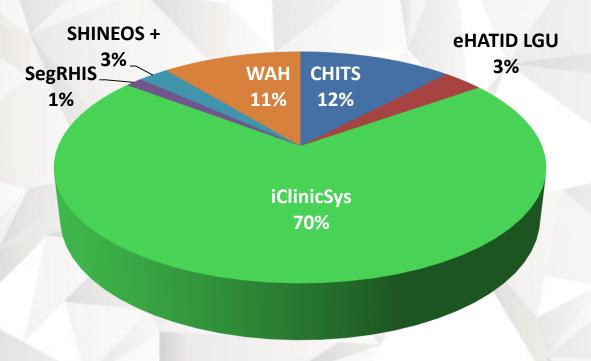
Saad Reput

Philippine Health Information Exchange



POINT OF CARE APPLICATION SYSTEMS

Status of EMR Providers for RHUs



As of July	As of July 31,2017		
EMR	Number		
CHITS	172		
eHatid LGU	30		
iClinicSys	1,005		
SegRHIS	19		
SHINEOS+	34		
WAH	156		
Total	1,416		

Approximately 55%



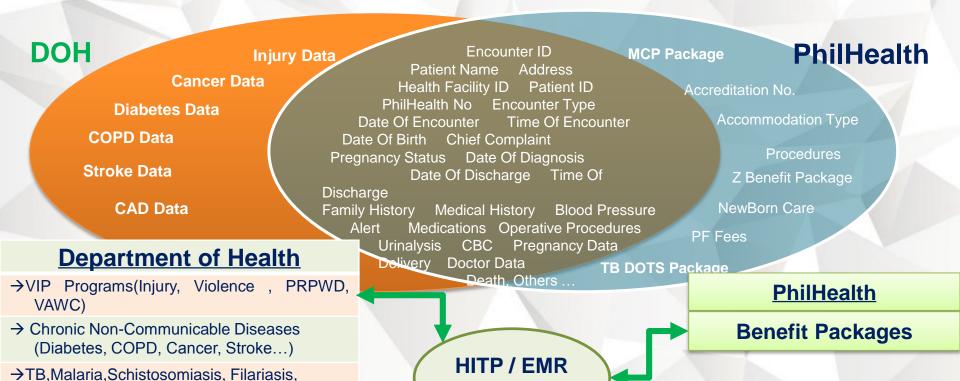








DOH-PHILHEALTH DATA INTEGRATION/HARMONIZATION



Systems





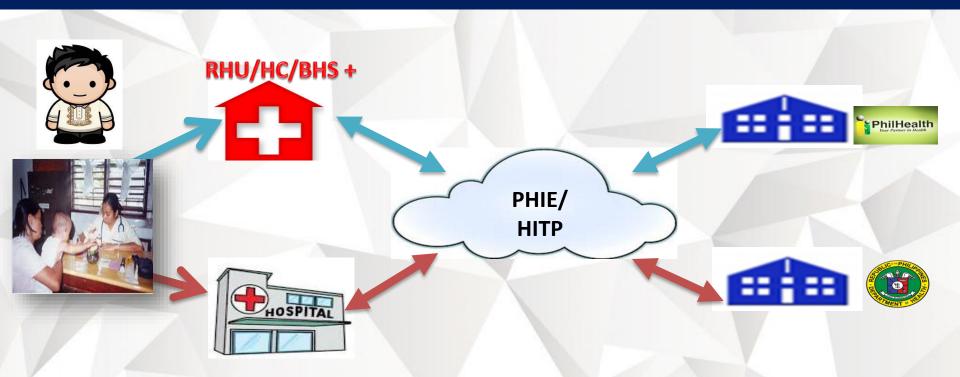
Leprosy, Viral Hepatitis → Environmental Program







Current eHealth/EMR Implementation



*PHIE - Phil. Health Information Exchange HITP - Health Information Technology Provider



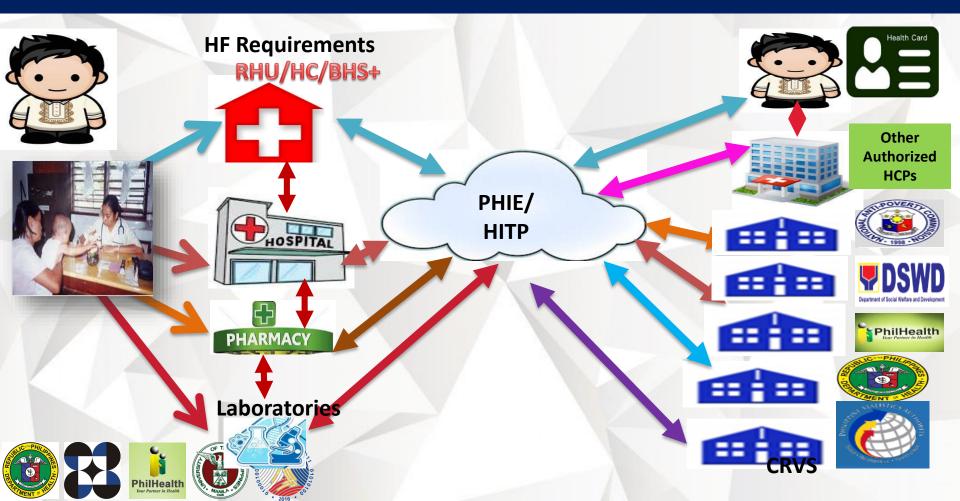








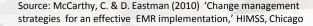
Future eHealth/EMR Implementation



Practice areas affecting EMR implementation

- Leadership
- Provider engagement
- Workflow
- Individual and Institutional Capability Building/Training
- Data and user interfaces, including health privacy

"Man is still the most extraordinary computer of all." - John F. Kennedy THREE-LEGGED **STOOL PROCESS** PEOPLE TECHNOLO













Major Challenges

- Network Connection / Connectivity
 - No connection in remote areas
 - Slow connection
 - Resource Requirements
 - Hardware/Server
 - Operating Expenses
 - Manpower
 - System Acceptance
 - Usability of the System / Benefits to Users











Major Challenges

- Robust and secured infrastructure to enable data sharing / exchange / interoperability
- Data Security and Privacy (Institutions/Health Care Providers are reluctant to share data because of privacy concerns → possible use of blockchain technology)
- System Maintenance/Sustainability
- Data Quality
- Data Analysis for formulation of policies and continuing improvements



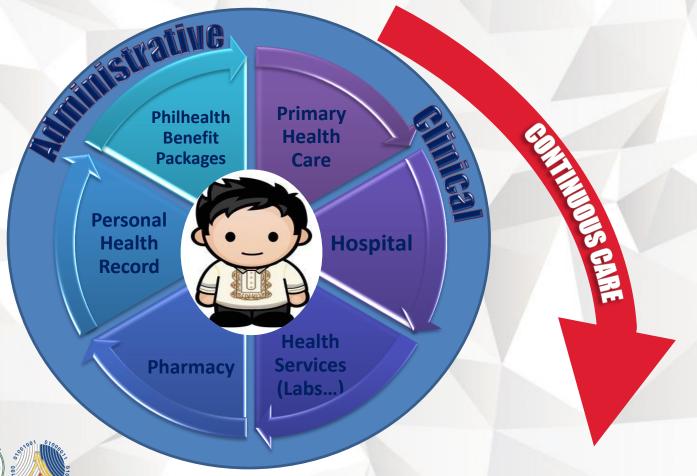








Ultimate goal is Integrated Patient Care











Thank You!!!

www.ehealth.doh.gov.ph









