Overview of mHealth in the Philippines

Slides shared by Ms Jovita Aragona, DOH and the UP Manila National Telehealth Center

Responsible Health IT

Department of Health, Philippines

mHealth Applications

- Integrated Drug Test Operations and Management Information System (DOH)

  Use of SMS for auto notification of accreditation status, activities, and requirements

mHealth Applications

- Surveillance in Post and Extreme Emergency and Disasters or SPEED (DOH and WHO)
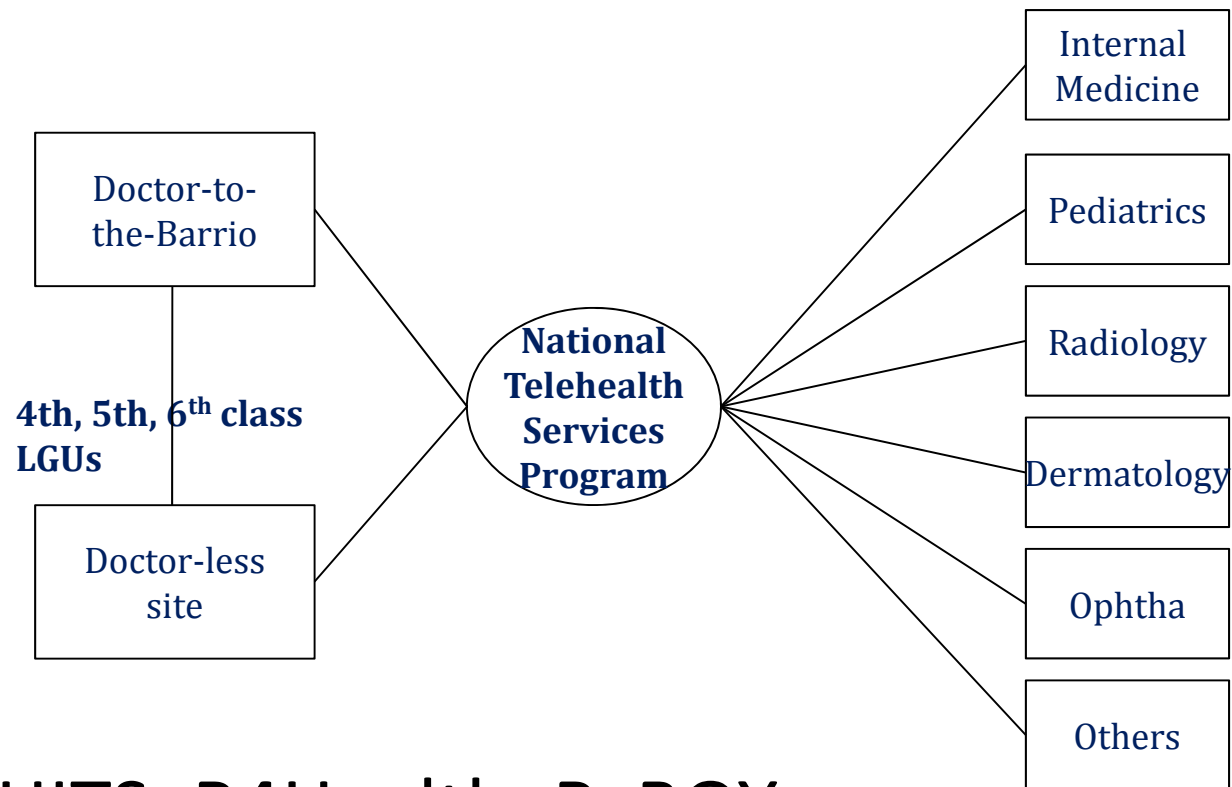
  Provide real time health information reporting after a disaster

mHealth Applications

- Telemedicine (UP-NThC, DOST, UNICEF, and DOH)

  Use of cellphones to collaborate with health care providers, specialists, and other health workers.

rCHITS, R4Health, RxBOX

mHealth Applications

- Watching Over Mothers and Babies (DOH)

  A Maternal and Neonatal Health Tracking System

  - Enrolls expectant mothers and their neonates, to schedule and record health services provided and monitor their progress
  - Prompts to remind mothers or any member of their household or community of the services that the pregnant women and eventually her child need to avail of services
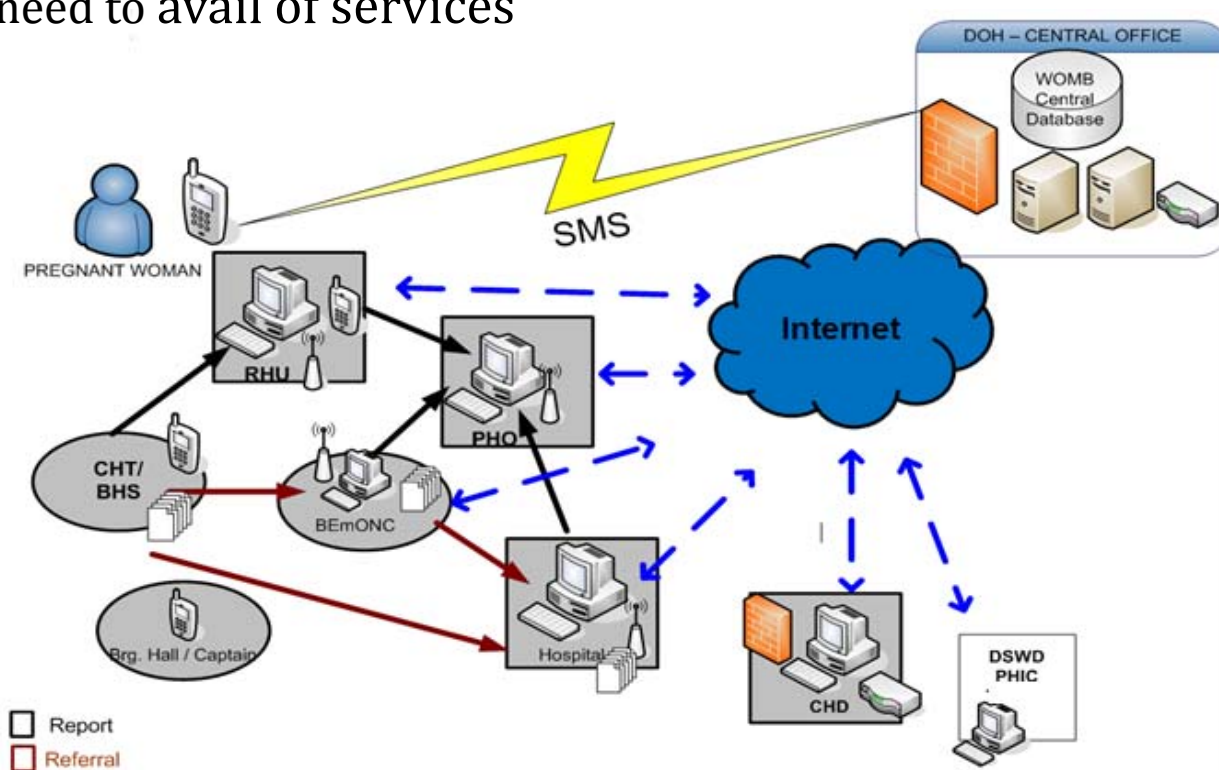
mHealth Applications

- Smoke Free Philippines (DOH)
  - Reporting of tobacco violations via SMS, other than online and hotline
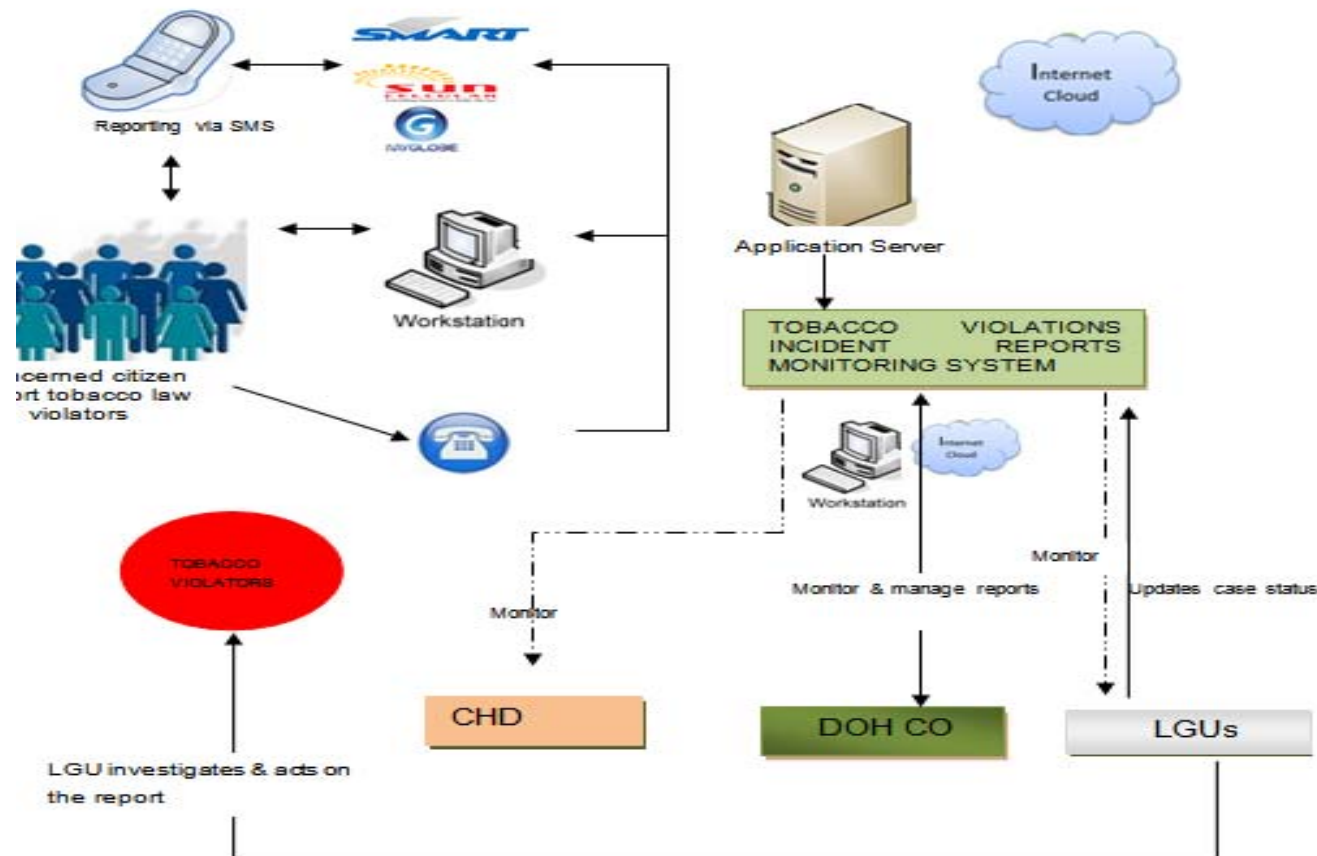
mHealth Applications

- Maternal and Neonatal Death Reporting System (DOH and WHO)

  A system for reporting of maternal and neonatal deaths using internet and SMS Technology.

Online System

SMS

DOH Central Database

Statistics

Factsheets

KP Dashboards

GIS

DOH PORTAL
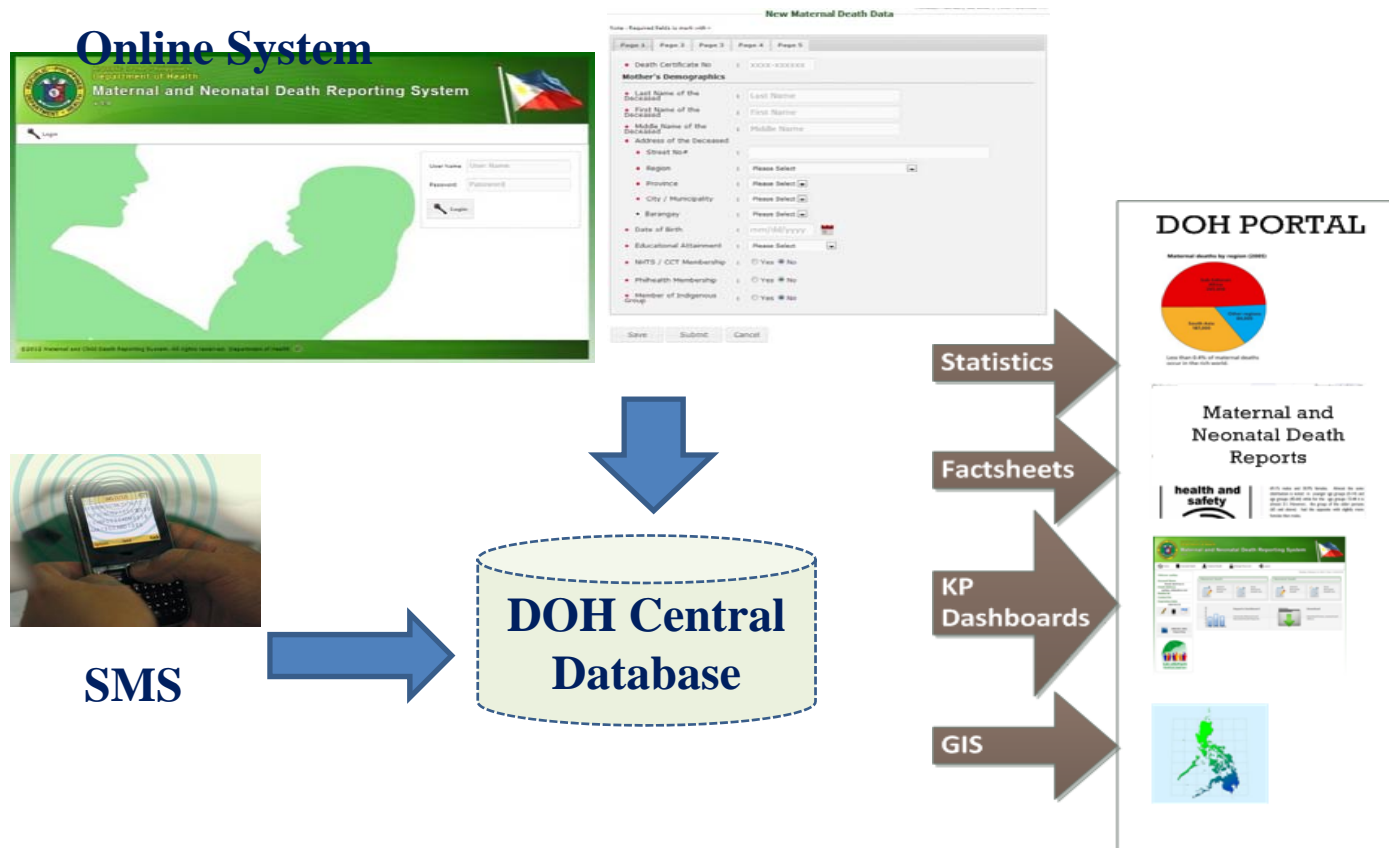
mHealth Applications

- Integrated Clinic Information System – Alert and Reminder System (DOH)

  Uses SMS/mobile Technology for alerts and reminders of schedules to patients.
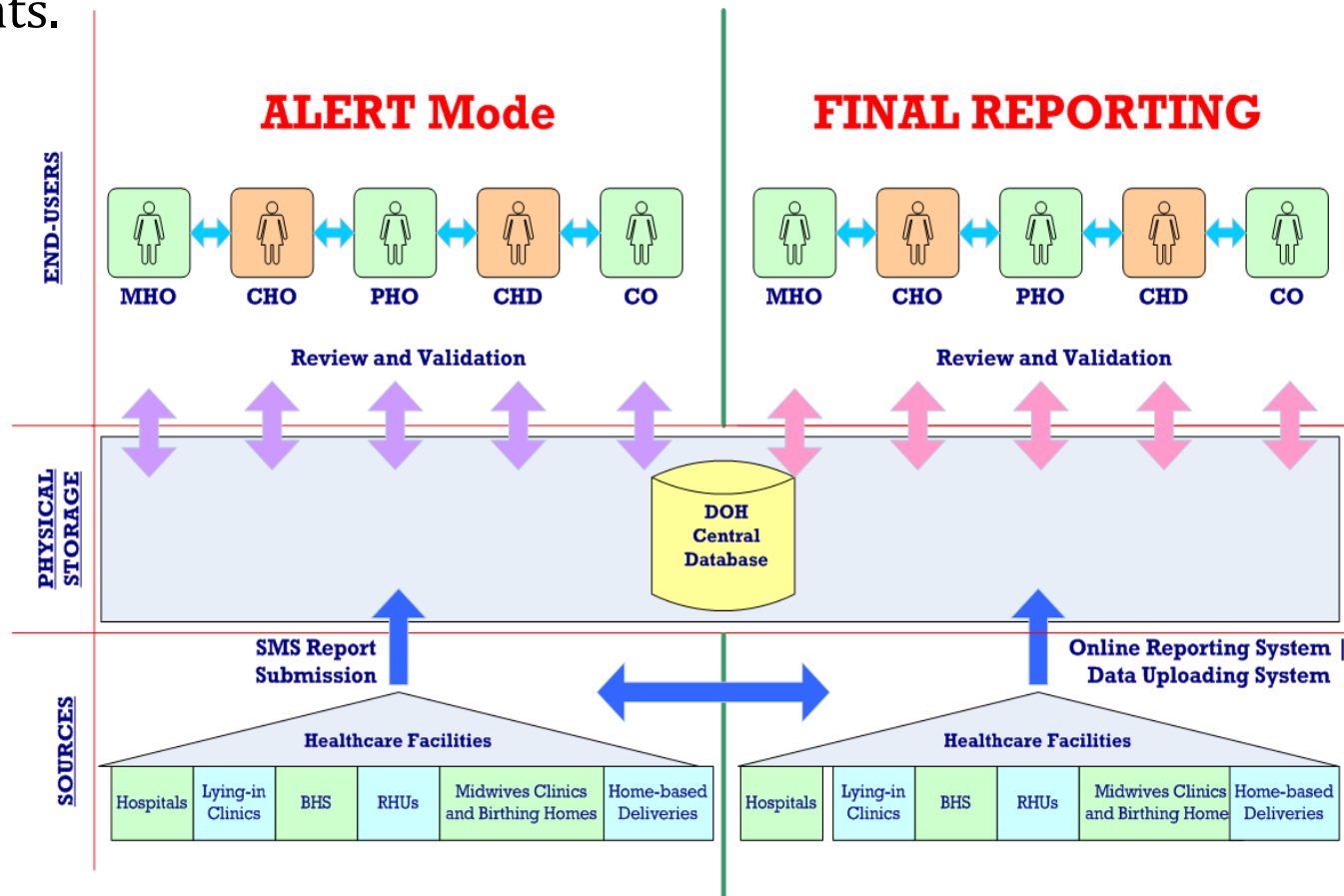
mHealth Applications

- Data Collection System via online
    - o Online National Electronic Injury Surveillance System
    - o National Online Stock Inventory System
    - o Unified Chronic Non-communicable Disease Registry System
    - o Online Field Health Services Information System
    - o HIV/AIDS Registry

mHealth Applications

- Real Time Electronic Medical Record System / Access to health information
    - Integrated Clinic Information System - DOH
    - Community Health Information Tracking System – UP NThC
    - eHaTID – Ateneo

mHealth Applications: Private-sector

- eAKAP for community health teams
- ASCeNt – Amputee Screening through Cellular Networking (Ateneo/Smart)
- Newborn Screening Test (UP NIH/Smart)
- eHealth Tablet - Ateneo
- Mobile Midwife and SPASMS – Tarlac Province
- iNanay, Clinicl-I, Bloodtype, Text HIV (Globe)

Leadership and Governance - DOH-DOST

National eHealth Steering Committee

Sec Ona (DOH)
Sec Montejo (DOST)
PCEO Padilla (PhilHealth)
USec Herbosa (DOH)
USec Casambre (DOST)
SVP Celerino Cabrera (PhilHealth)
Exec. Director Montoya (DOST)
Chairperson Licuanan (CHED)
Private Sector
Academe

Health Data Standards
Experts Group

Health Data Security and
Privacy Experts Group

Philippine Health
Information
Network

National eHealth TWG
Dir Valdez DOH
Dir Villorente DOST-ASTI
Dir Opena DOST-PCHRD
Ms Aragona DOH
Ms Tan DOH
Mr Crisostomo PHIC
Mr Bernolia PHIC
Dr Alcantara PHIC
Private Sector
Academe

Health sector leadership

Steering committee

Stakeholder
reference and expert
advisory groups

eHealth strategy team

Broader stakeholder
environment

Leadership and governance

Strategy
and
investment

Services and applications

Standards & interoperability

Infrastructure

Legislation,
policy and
compliance

Workforce

Philippine Health Information Exchange

REGISTRIES
- HEALTH FACILITY
- PROVIDER
- PATIENT

SHARED HEALTH RECORD

NATIONAL HEALTH DATA REPORTING
- INJURY
- CANCER
- DIABETES
- ....

Health Data Standards TERMINOLOGY

Data Privacy Rules	Data Confidentiality Rules	Data Security	Data Integrity Rules	Data Quality Rules	....

Services - Routing – Transformation – Mediations – Messaging - Security – Validation – Queuing & Staging - .....

HEALTH INTEGRATION MODULE
(Health Interoperability Layer - Enterprise Service Bus)

- **Hospital Information System (e.g. iHOMIS)** — Hospitals
- **Electronic Medical Record System (e.g. ClinicSys)** — Clinics or Health Centers
- **Laboratory Systems** — Laboratory Facilities
- **Pharmacy Systems** — Pharmacies
- **Health Worker Systems**

POINT OF SERVICE

Next Steps

- Verbal agreement has been reached for WHO-ITU to assist Philippines with mHealth (smoking cessation) including support for eHealth governance
- Formalize the agreement into a concrete roadmap of activities