Case Studies of Leading Technologies in Digital Healthcare

Increasing access to care through a connected network of hospitals in India

Berwine Sim
Head of Southeast Asia Government Affairs
Indonesia’s Health Transformation Agenda
Improving access and quality of healthcare across the country

- Primary Service Transformation
- Referral Service Transformation
- Healthcare Resilience System
- Healthcare Financing System Transformation
- Healthcare Human Resources Transformation
- Health Technology Transformation

Minister of Health Regulation No 13/2022 on the Revision of Minister Regulation 21/2020 on the 2020-2024 Ministry of Health’s Strategic Plan
PREVALENCE OF cancer is increasing in Indonesia

- Nearly 600,000\(^1\) New cancer cases per year in Indonesia by 2040

- 1 in 5 men
  1 in 6 women\(^2\) Will develop cancer worldwide

- Top 3 Cancers in Indonesia\(^2\)
  - Breast
  - Cervix Uteri
  - Lung

- 50 - 60%\(^4\) Of patients with cancer will need radiation therapy

- Only 10%\(^5\) Of cancer patients have access to radiation therapy in low income countries

- 40%\(^6\) Of cancer cures worldwide include treatment using radiation therapy
Here is how we can help
Siemens Healthineers & Varian

An even stronger partner in the fight against cancer

- Address growing unmet need for cancer care
- Help patients to receive the right treatment at the right time

- Cover complete cancer care continuum and many threatening diseases
- Provide most comprehensive portfolio

Case study: Connected network of hospitals in India
American Oncology Institute Network

Oncology provider network across 16 sites in South Asia

- Model for delivering value-based care in developing markets
Connected Hospitals for Oncology Services
Increasing access to care in provinces through remote connectivity

Diagnosis
Centralized molecular & imaging diagnostics

Clinical Decisions
Patient care plans with multi-disciplinary approach via telemedicine

RT Treatment Planning
Centralized treatment planning to support remote sites

Quality Control
Monitoring remote center’s performance with quality assurance programs

Training & Education
Providing clinical training to remote centers

Treatment Delivery
Precise & streamlined treatments with standardized equipment and tools

Early Diagnosis Support
Collecting samples for remote lab diagnosis, and provide first-line diagnostic imaging

Supportive Care
Providing local patient care with remote support

Post Treatment Evaluation & Follow-up
Remote real-time symptom reporting & patient engagement platform
Integrated Information System

Connected patient care across hospital network

Segregated
- Patient data sits within one hospital
- System used mainly for record and verification purposes
- Manual import/export of patient data, posing cybersecurity risk
- Challenging to share resources across hospital network

Integrated
- Manage cancer care information on a single database
- From the first appointment till the last treatment and beyond
- Allow patient transfers across hospital network
- Enable AI and big data
- High network security
- Encrypted patient data
- Critical to managing cost, quality and outcomes
Enabling Connected Care for Anyone, Anywhere

From India to Southeast Asia

• Improve access to cancer services in referral hospital network: national, provincial and regional level hospitals