

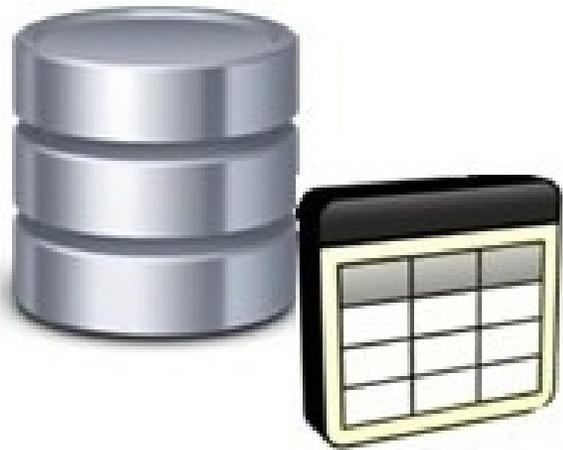


A Data System to Support Smart Financing

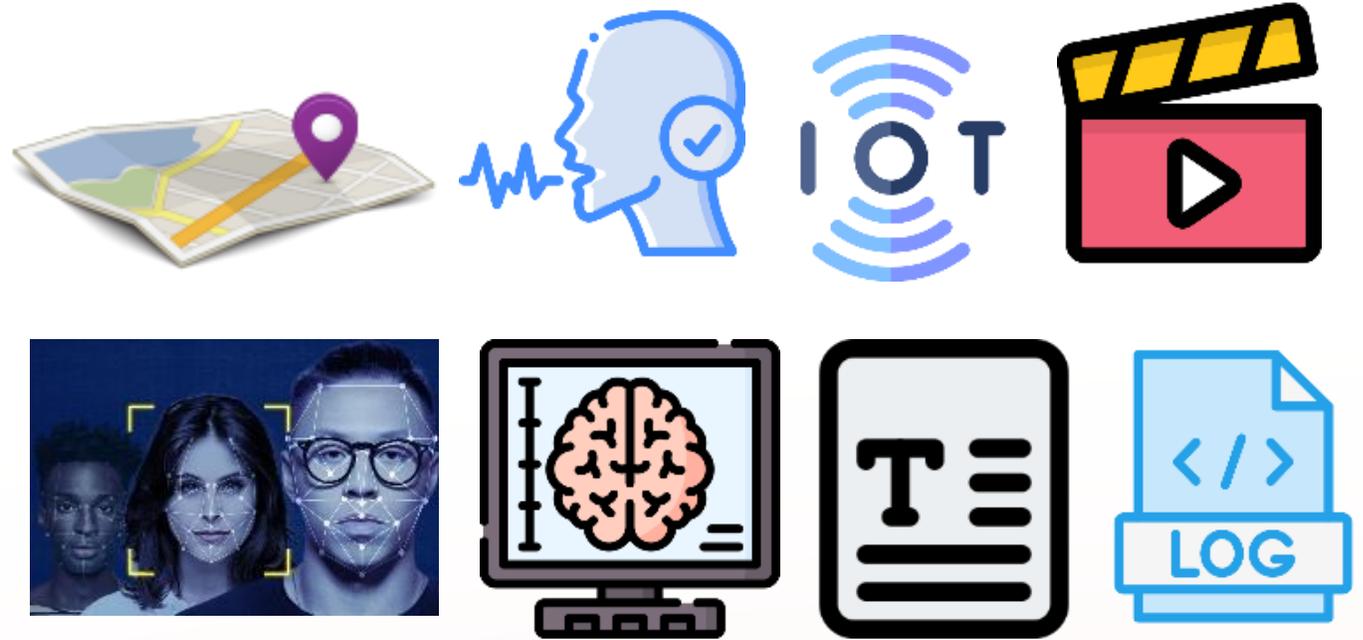
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President, Big Data Institute (Public Organization)

All types of Data Used in Healthcare



Structured



Unstructured

Without a digital framework that allows smooth data linkage, there can be duplication of diagnostic tests, prescriptions, and overlapping care.

Why is a Data System Needed for UHC?

Digital health is an enabler of accelerating progress towards health equality



Improve
health data
Access and
Share



Strengthen
Primary
Healthcare



Improve
Pandemic
Response



Increase
Transparency

Challenges in Countries with Fragmented Healthcare Systems

Healthcare data are governed by complex rules and legal requirements that can be difficult to create a single data system

Data governance to work under Personal Data Protection Act

Multiple Hospital Information Systems

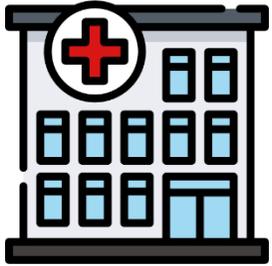


Private
Providers

Hospital Information System (HIS)



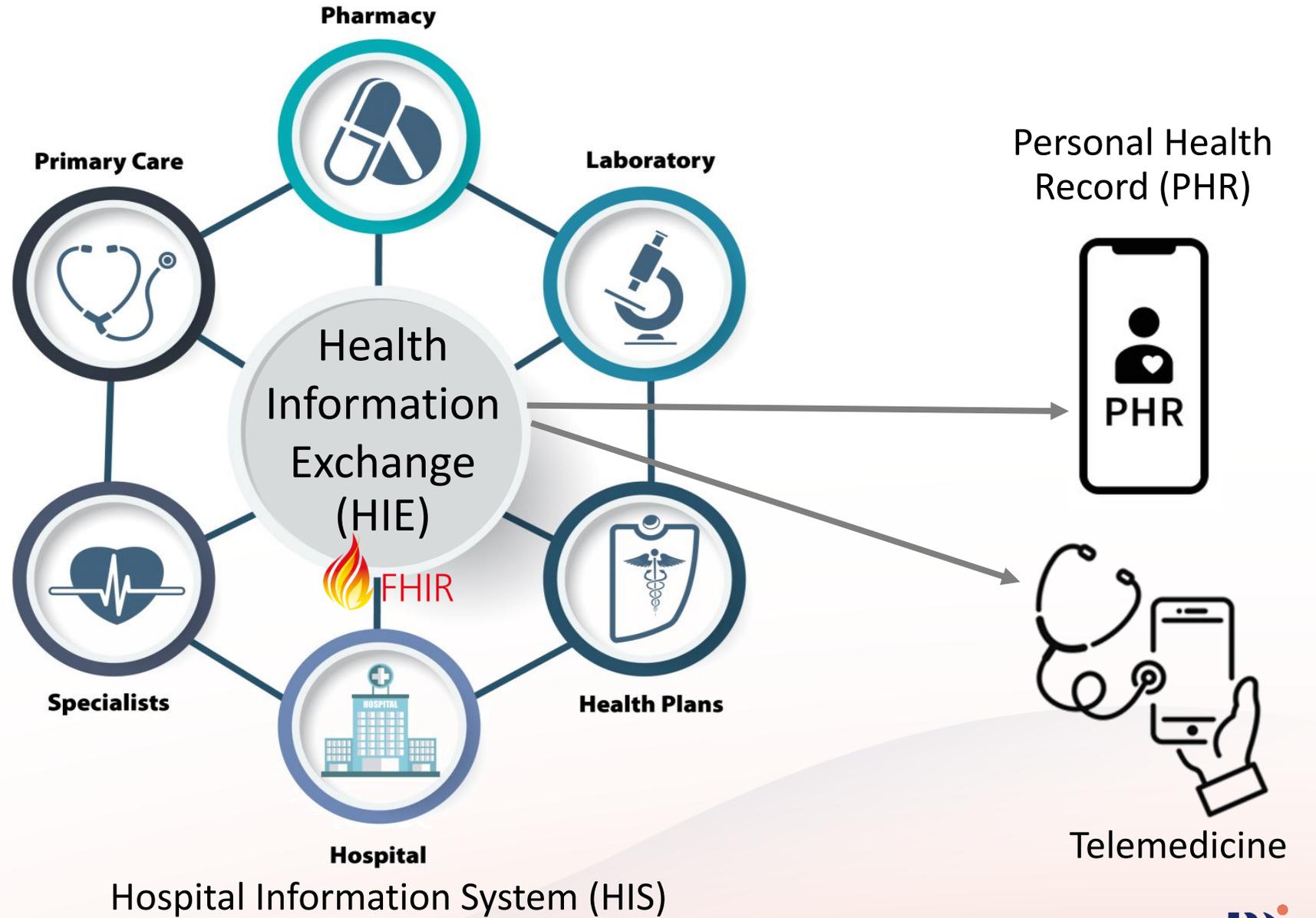
HIS-A



HIS-B



HIS-C





Health Link

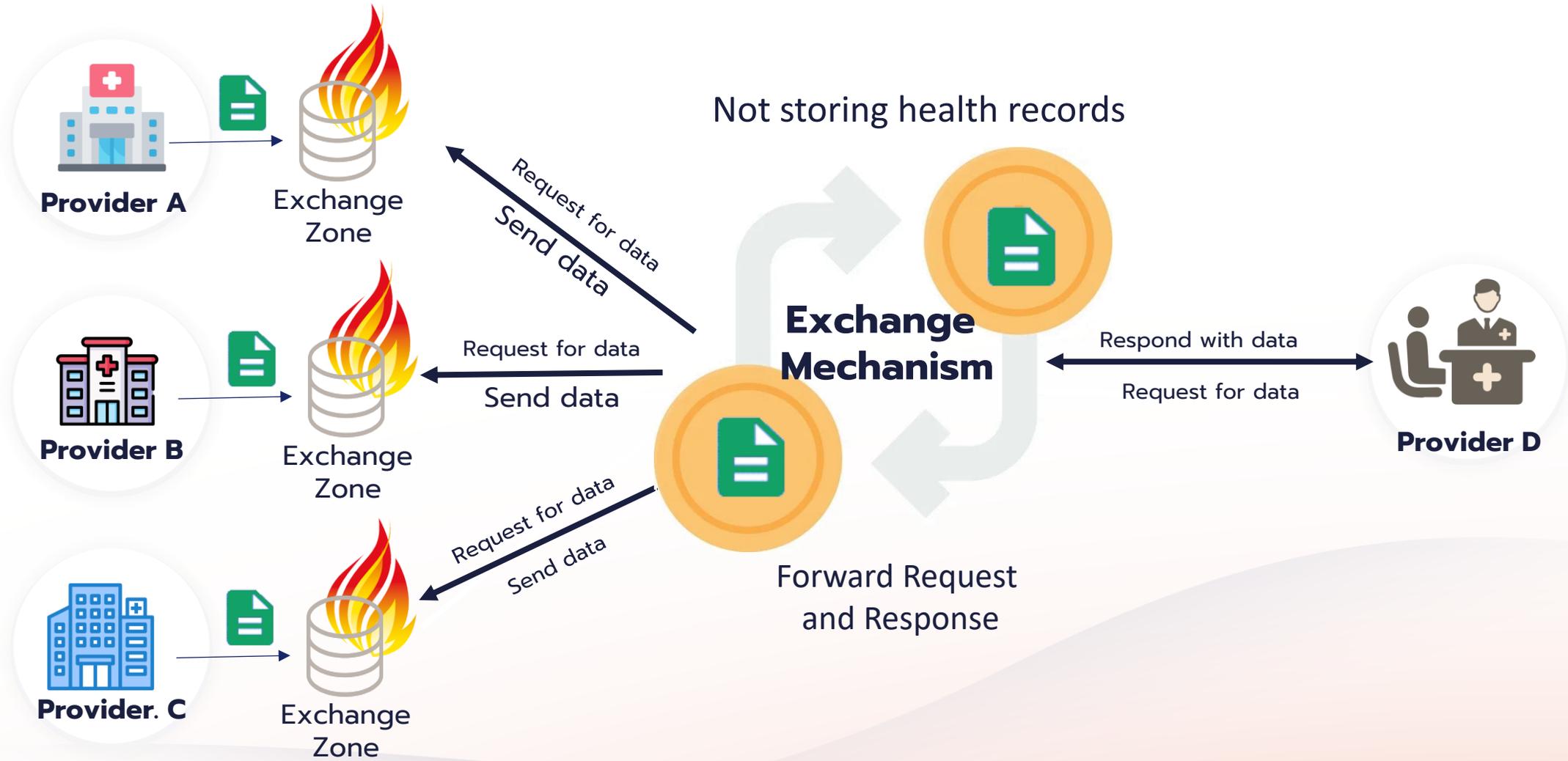
Health Link API
Specification



-  **Health Link : HIE**
-  Health Link : Refer (BKK)
-  Health Link : PHR API
-  Medication Claim Redundancy Check

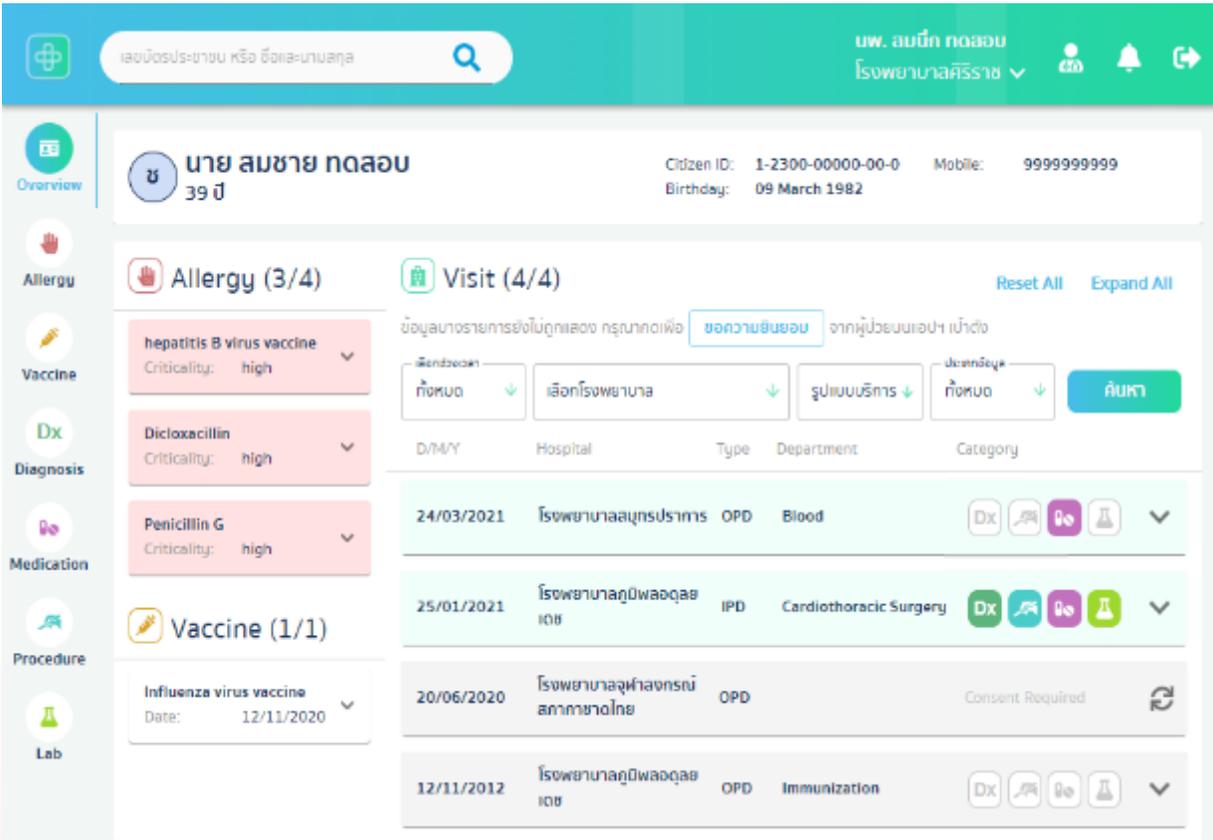
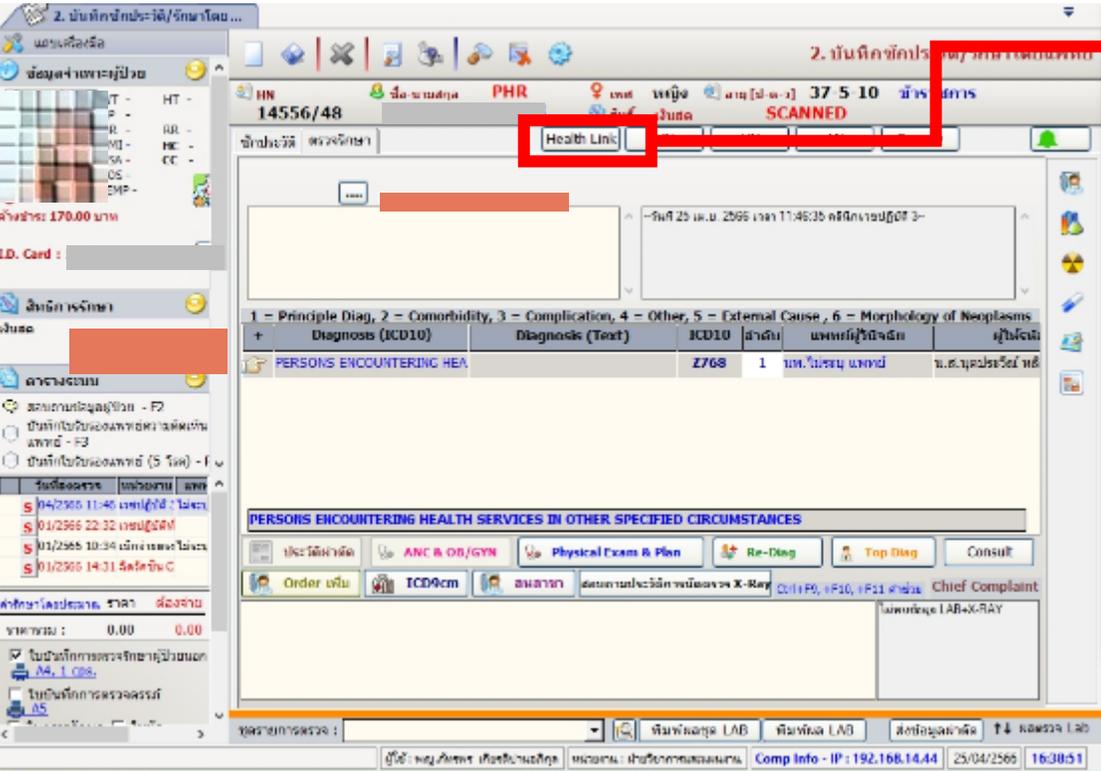
Health Link HIE

Decentralized Model



Information Delivery to Doctors and Pharmacists

Health records from other hospitals can be retrieved instantly from HIS (Hospital Information System).



Health Link Electronic Referral

E-Refer

- Symptom summary and early diagnosis
- Referral No.



Primary Care



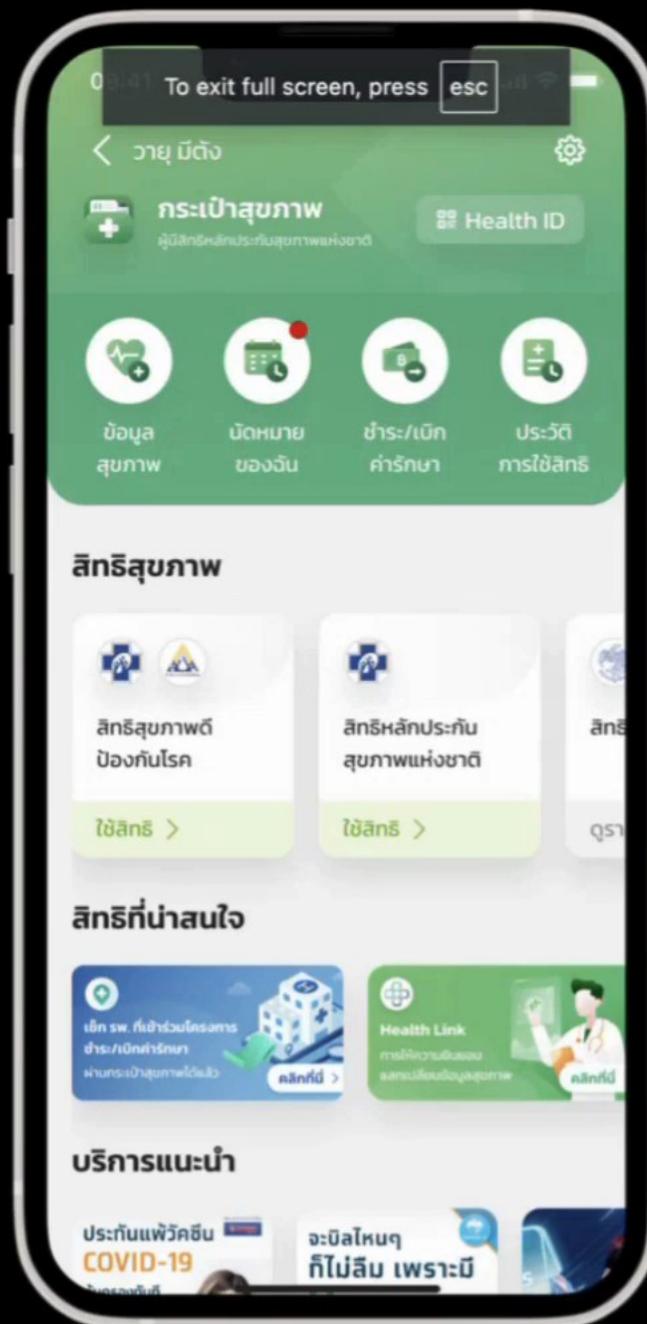
Patient Health Record



Secondary Care



Health Link PHR



Data-driven for **Health Promotion**

Develop tailored prevention and promotion plans against NCDs for each area in Bangkok

Plan house visits for individuals with health issues and plan recommendations for healthy people in each area.

Collect behavioral and environmental data across the country and correlate with patient claims for area-based health promotion strategies

Assess budget allocations for health initiatives to optimize spending efficiency and balance budget planning aimed at reducing patient numbers



Law that allows data integration across legal entities with simple governance rules

