

Hospital Authority

\$\psi\$43 Public Hospitals

\$\psi\$49 Specialist Clinics

\$\psi\$73 General Clinics

\$\psi\$29,435 Beds

♦84,501 Staff

\$\psi\$28,957 Nurses

\$\psi\$6,681 Doctors

****WHK\$70B Annual Operating Budget**(~US\$9B)

\$\psi\$6.2m GOPC Attendances

♥7.7m SOPD Attendances

\$\psi\$2.1m A&E Attendances

1.8m Inpatient and Day Patient Discharges



eHealth in the HA

The Road Less Travelled

1990 "Green fields"

Patient administration + Departmental systems

1995 Clinical Management System (CMS)

2000 CMS Phase II

Electronic Patient Record (ePR)

2003 eSARS

2008 CMS Phase III

2010 Filmless HA

2016 Inpatient MOE

HK-wide eHRSS

Mobile CMS

CMS IV

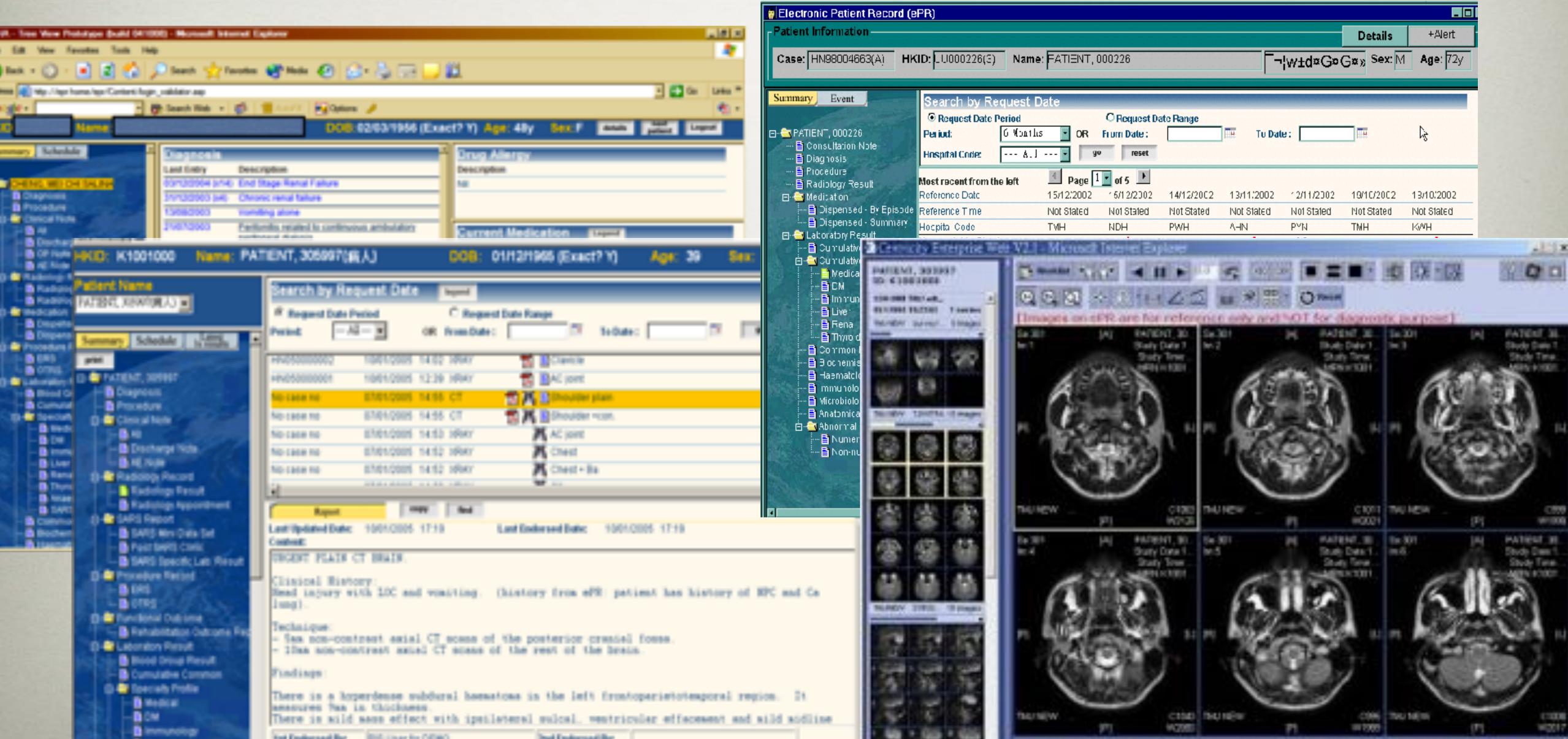
2019+ Smart Hospital

HA Go

eHRSS Stage 2



ENTERPRISE-WIDE ELECTRONIC PATIENT RECORD (EPR) FOR ALL HA PATIENTS



HEALTH INFORMATICS IN HK 3 BASIC STEPS

Support the processes of care

- Enter once, use many
- Enhance clinical workflow

Improve quality & safety

- Measure & monitor
- Continuous improvement

Build the electronic patient record

- Standardized & structured
- Comprehensive
- Accessible

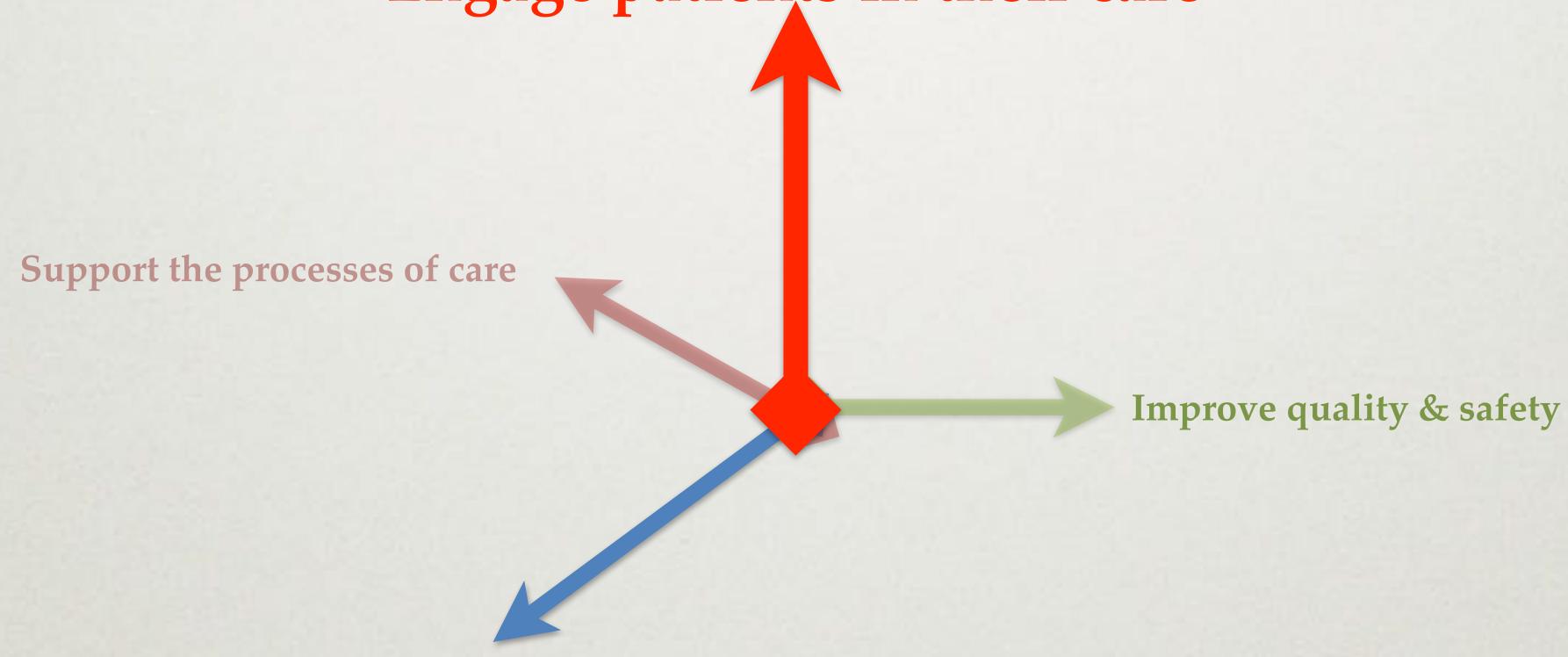


HEALTH INFORMATICS IN HK THE 4TH STEP

Enable new models of service delivery

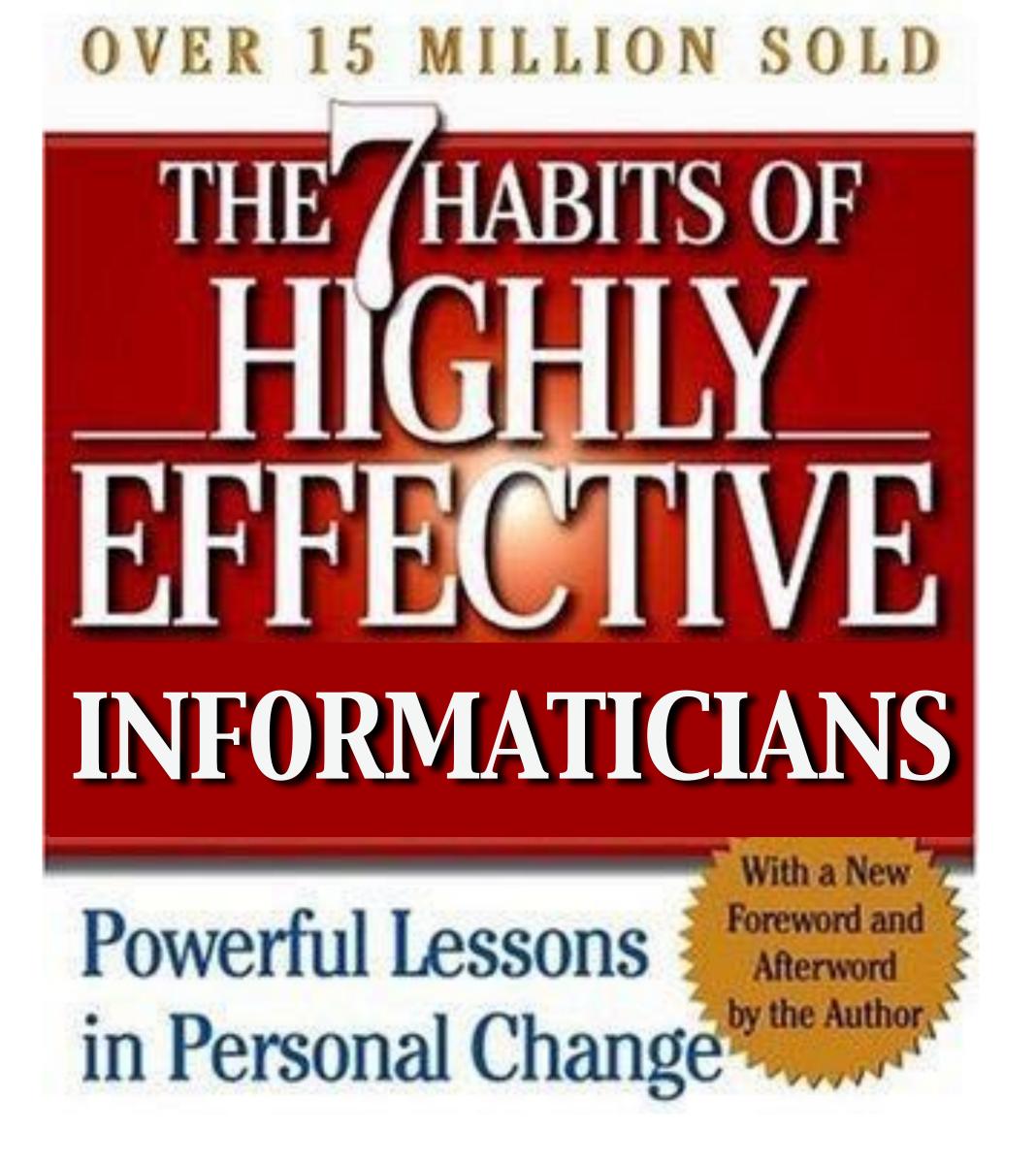
Make data actionable

Engage patients in their care



Build the electronic patient record





N.T. Cheung

THE 7 PRINCIPLES

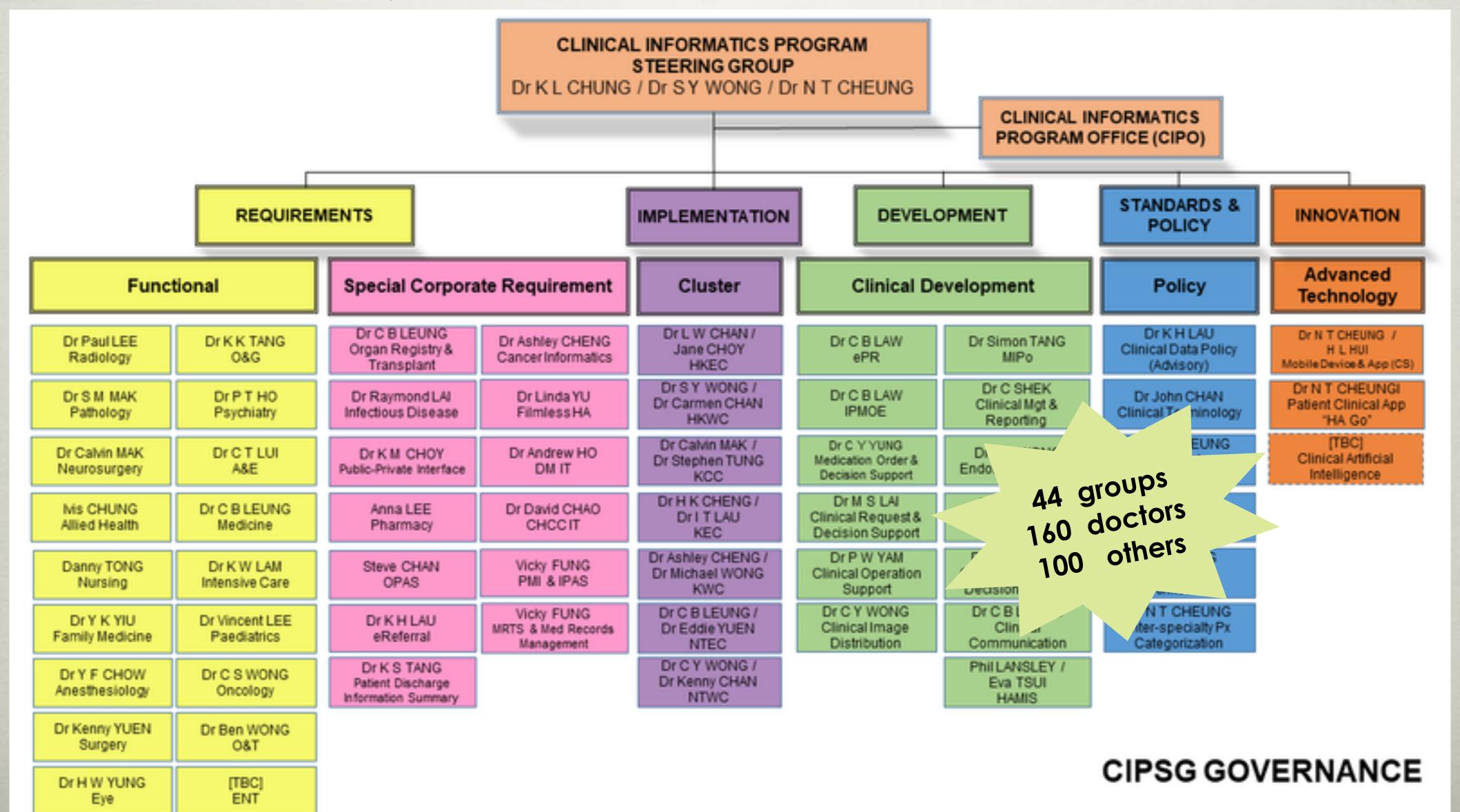
- 1. The Customer is Always Right
- 2. Win-Win-Win-Win
- 3. Medicine is both Art and Science
- 4. One Step at a Time
- 5. Use it or Lose it
- 6. Focus and Prioritize
- 7. Feed your Informaticians

Principle 1: The Customer is Always Right

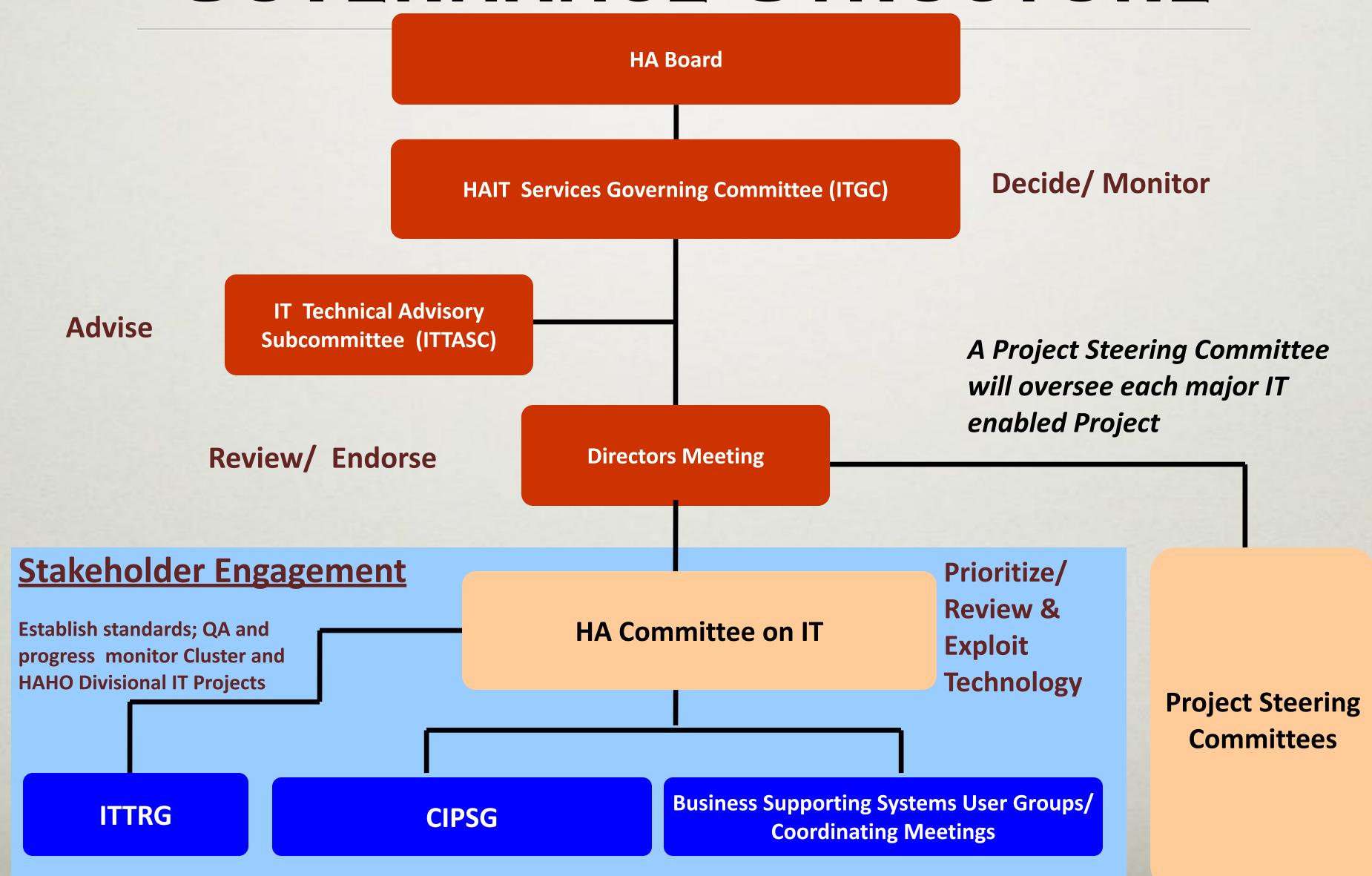


Communicate, Engage, Align

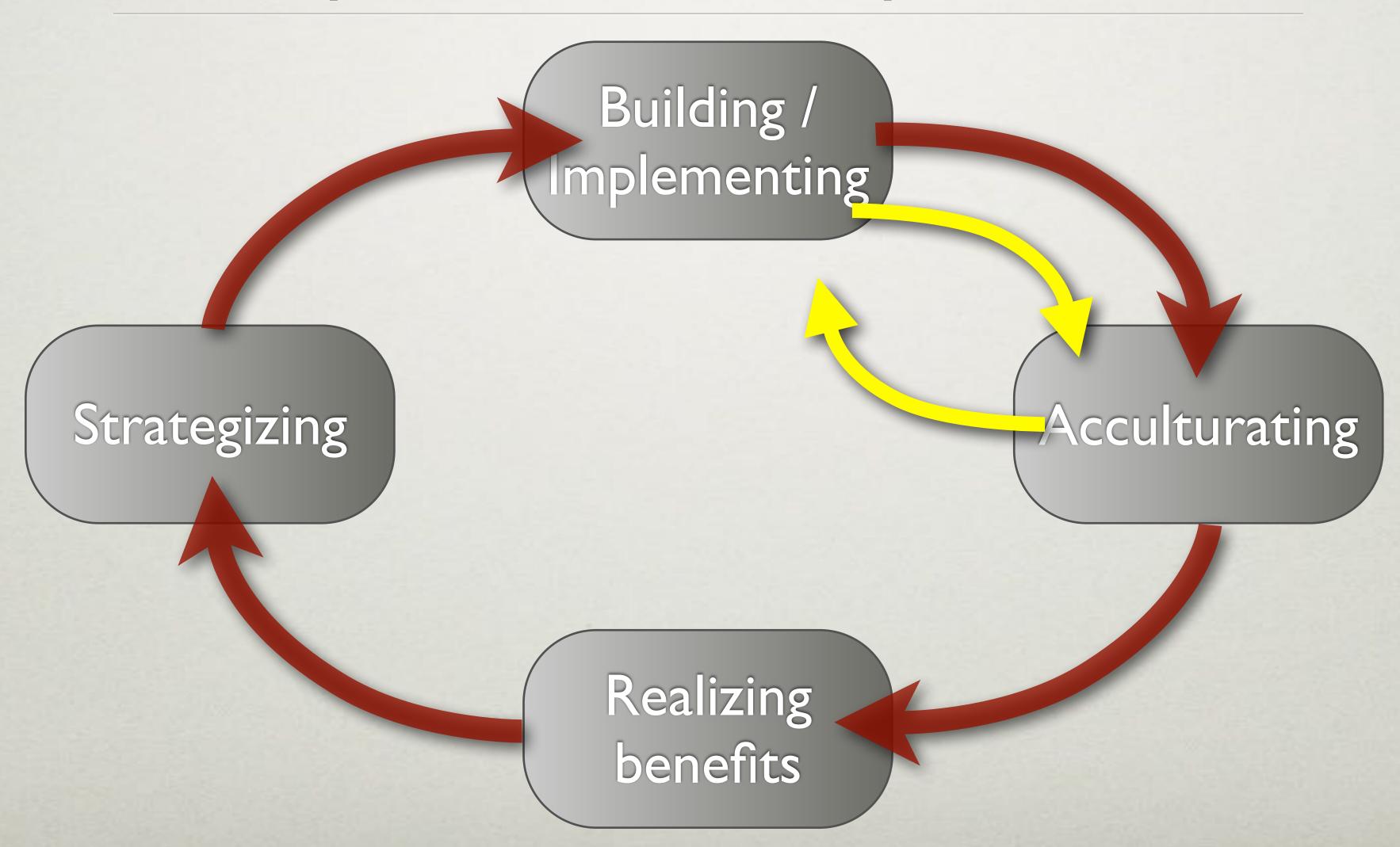
ENGAGEMENT IS KEY



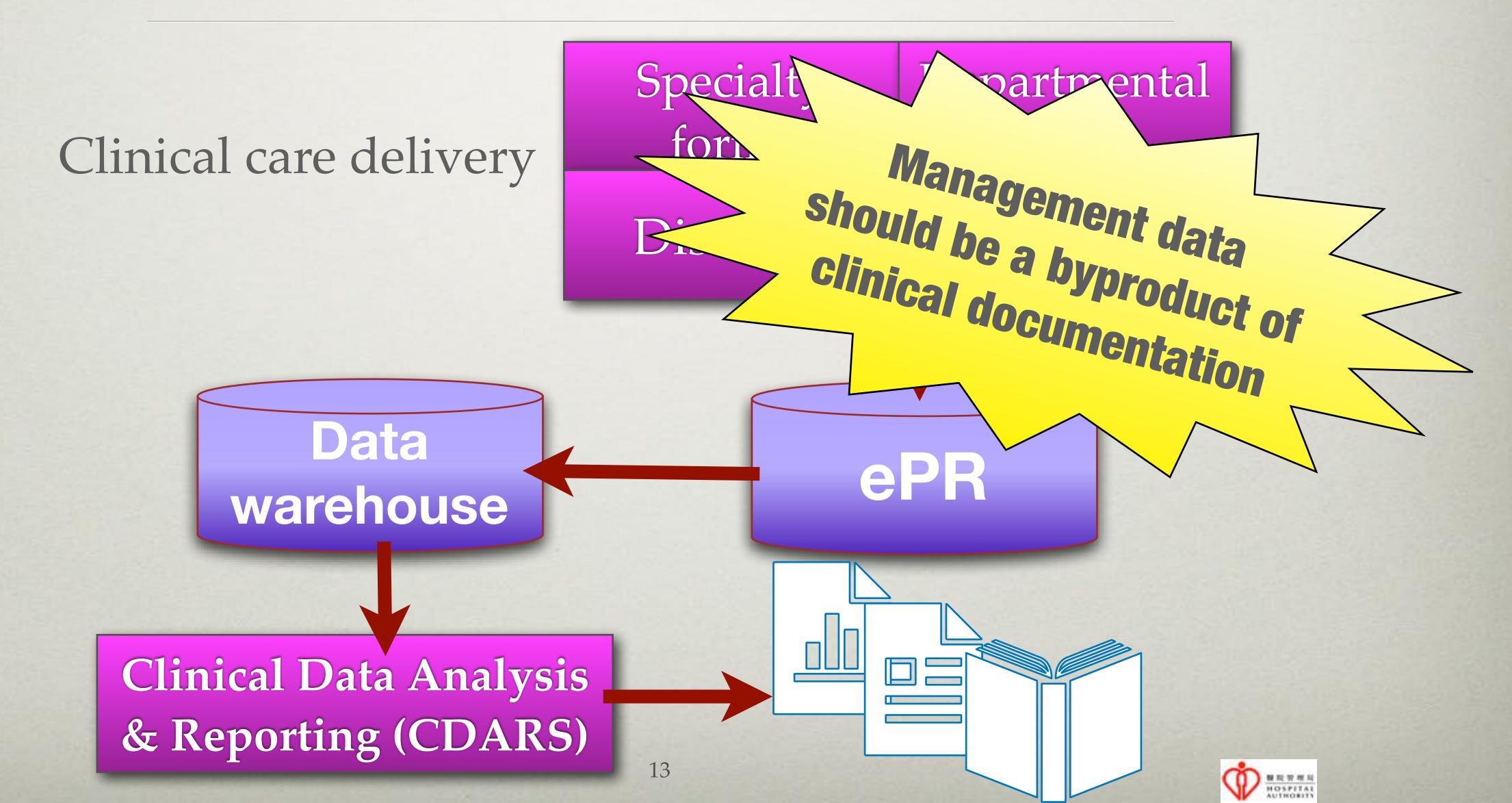
HOSPITAL AUTHORITY IT GOVERNANCE STRUCTURE



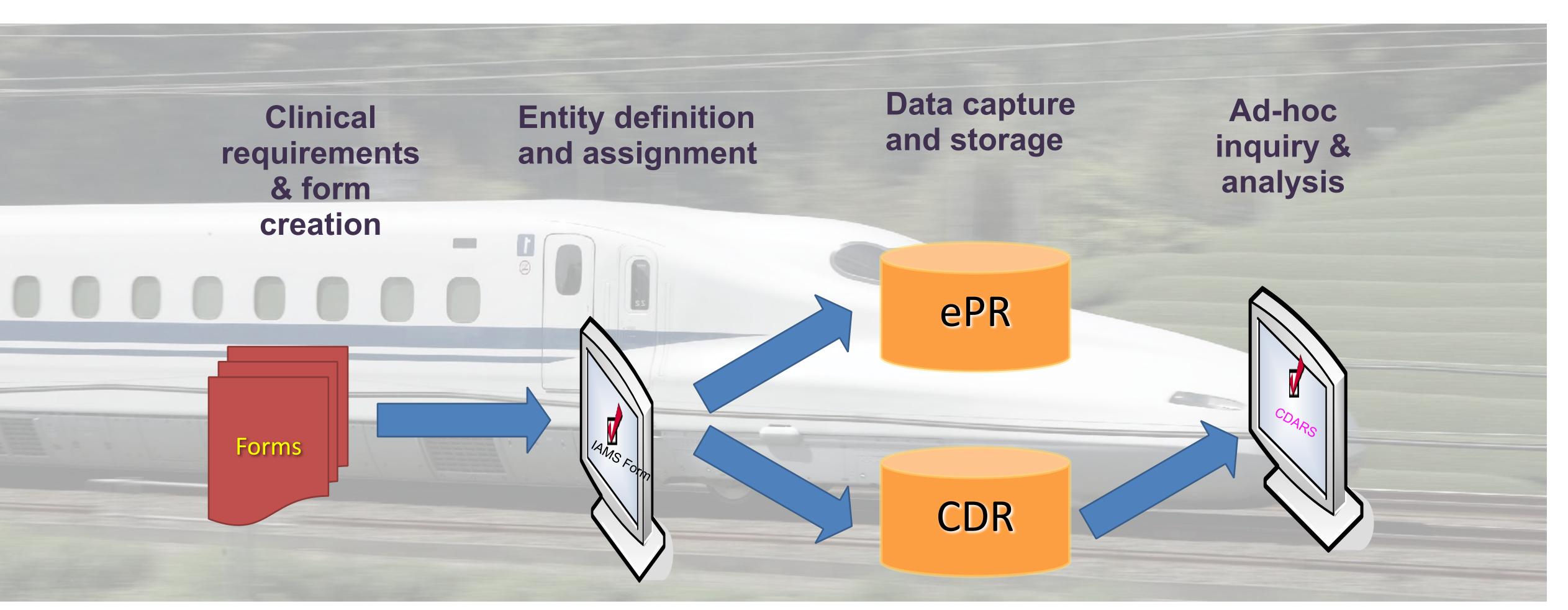
Principle 4: One Step at a Time



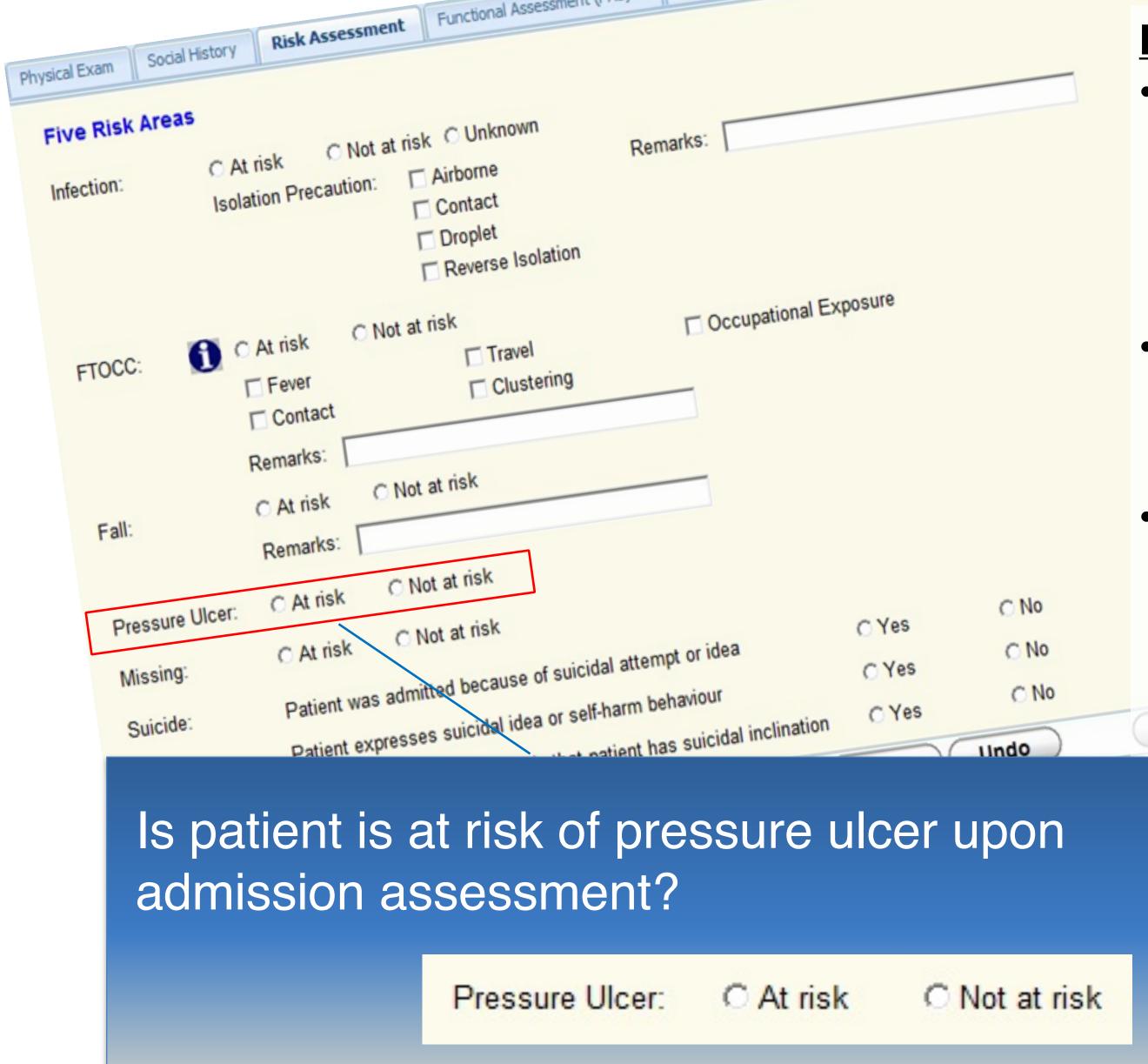
PRINCIPLE 5: USE IT OR LOSE IT



Generic Clinical Documentation (GCD) Thru' Train

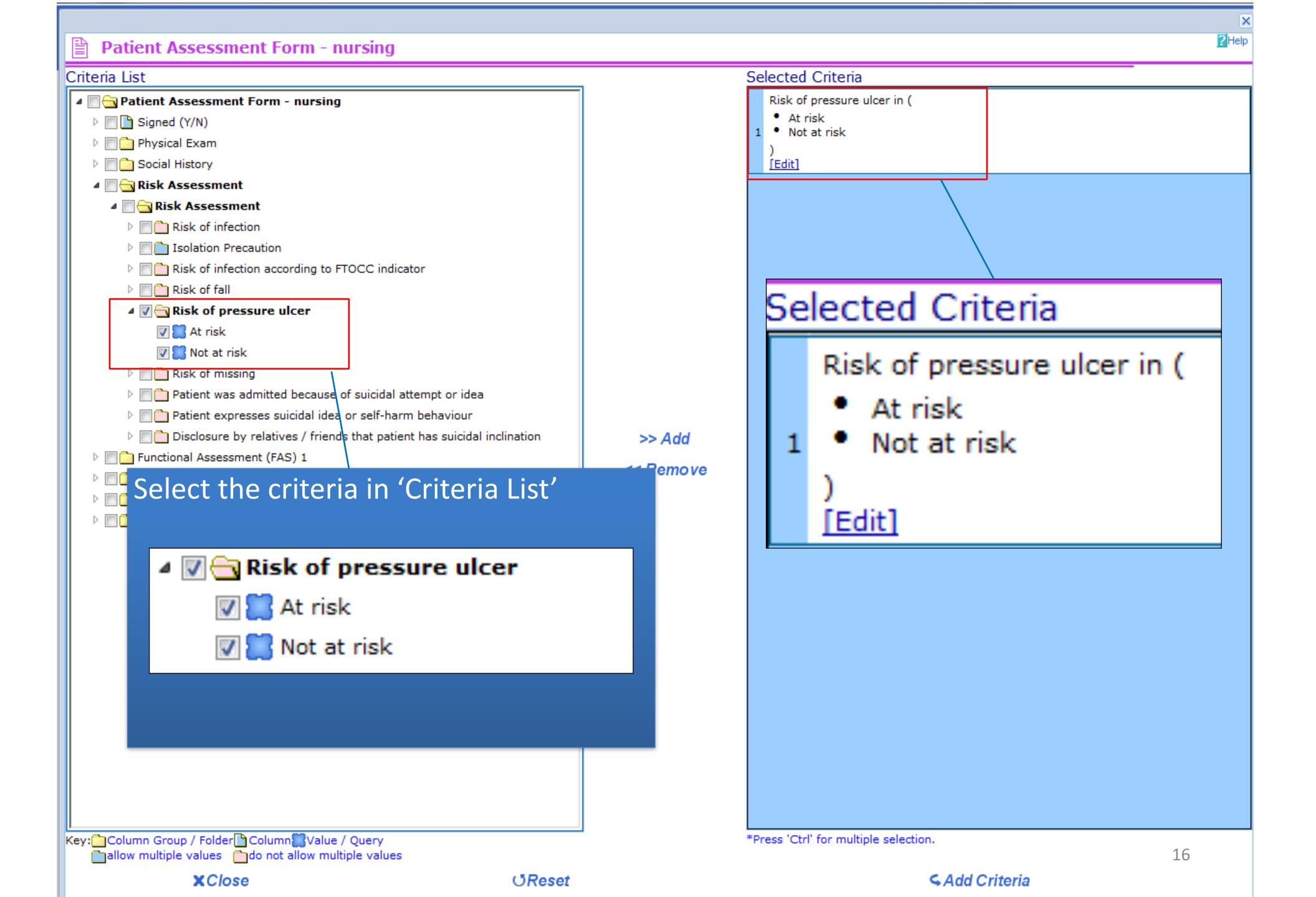


Example: Nursing Patient Assessment (FAS) 1 Functional Assessment (FAS) 1

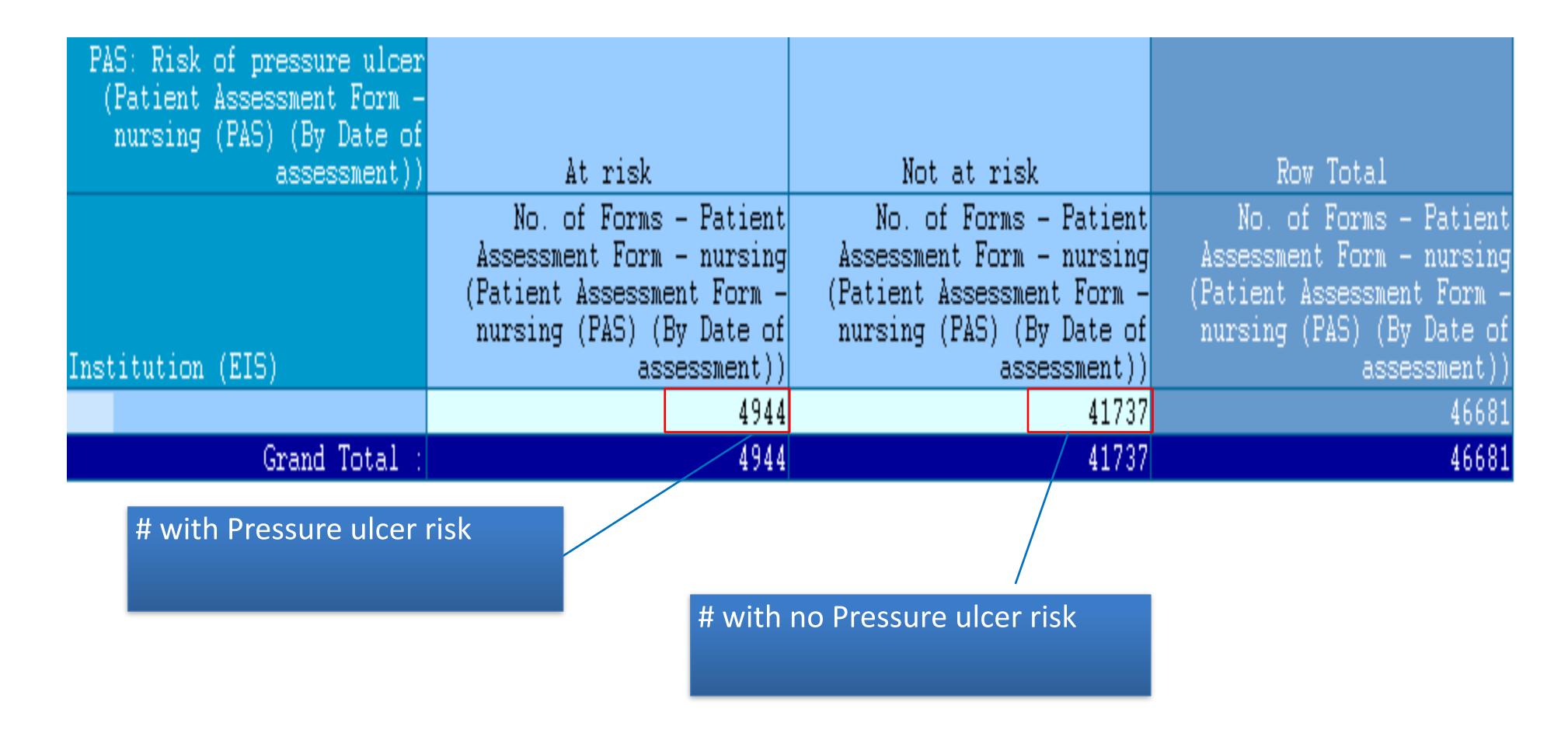


Patient Assessment Form

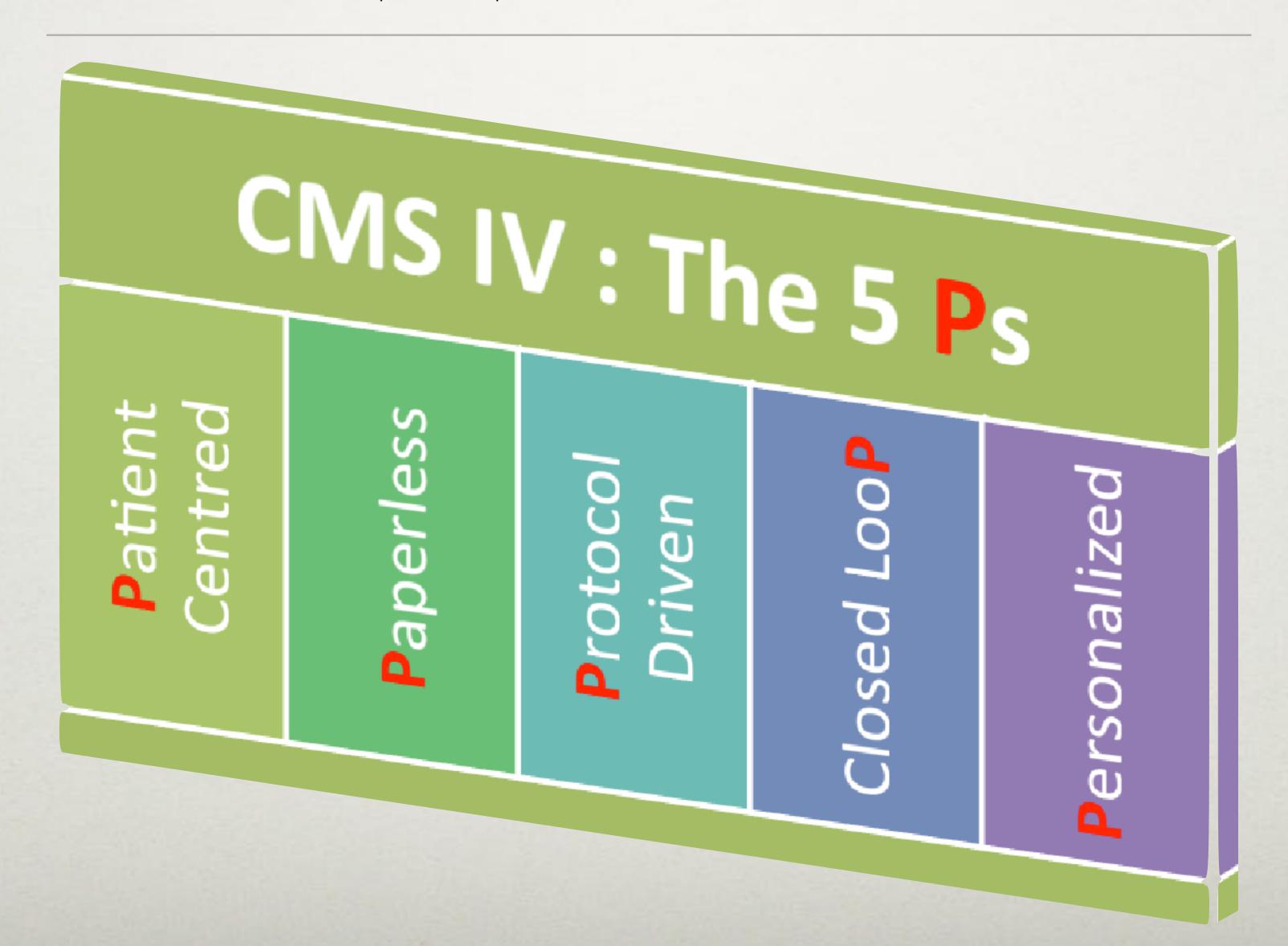
- Physical Examination
 - Vital signs
 - Body measurement
 - Urinalysis
 - Level of consciousness
 - MEWS
- Social History
 - Education
 - Religion
 - Household members, etc
- Risk Assessment
 - Infection
 - FTOCC
 - Fall
 - Pressure Ulcer
 - Missing
 - Suicide
 Functional Assessment



CDARS Report



THE 5 PILLARS OF THE NEXT-GENERATION CMS





Smart Hospital Blueprint

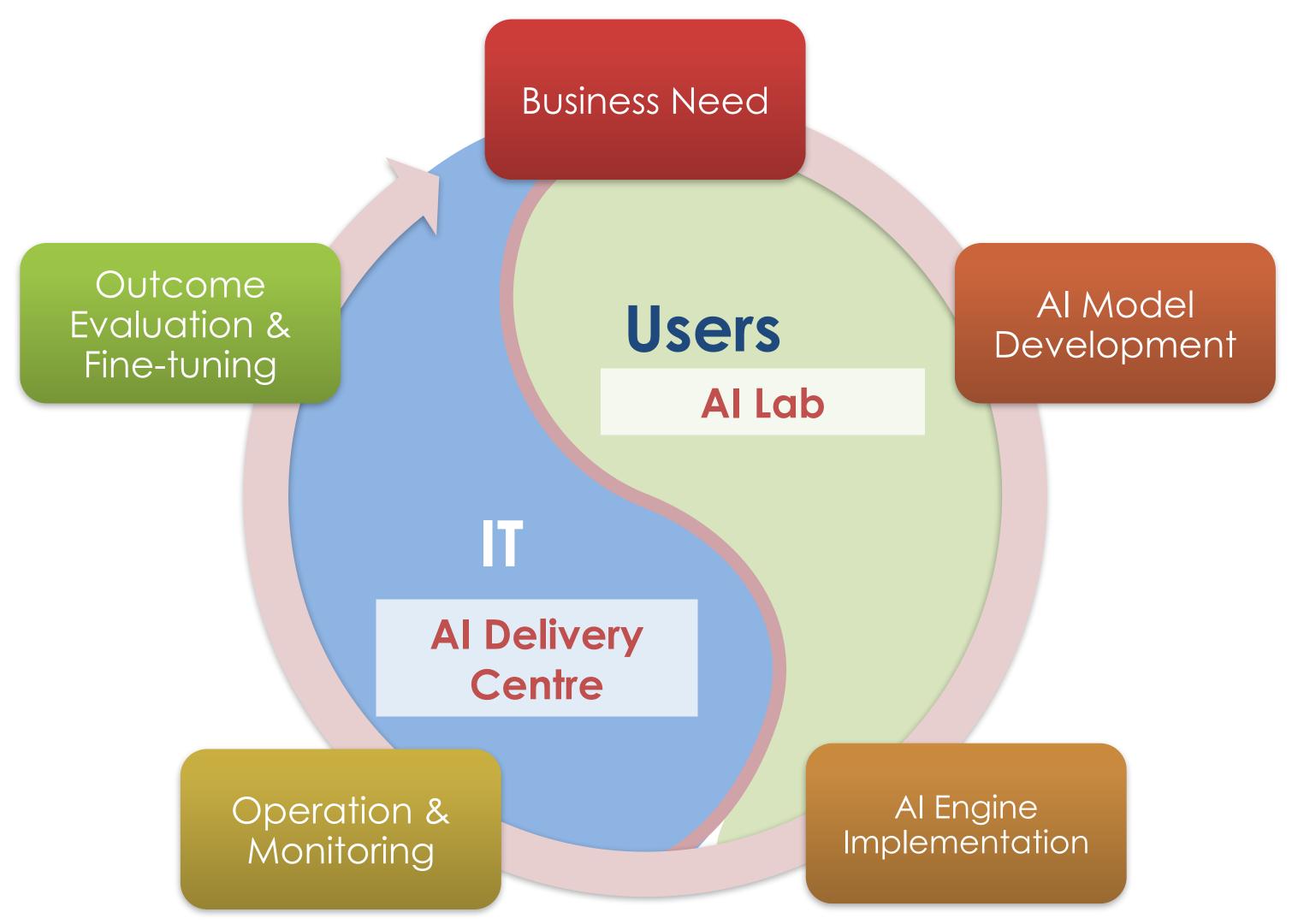
Smart Care Smart Hospital Support Smart Hospital Management

Smart Facility and Infrastructure

Smart Staff

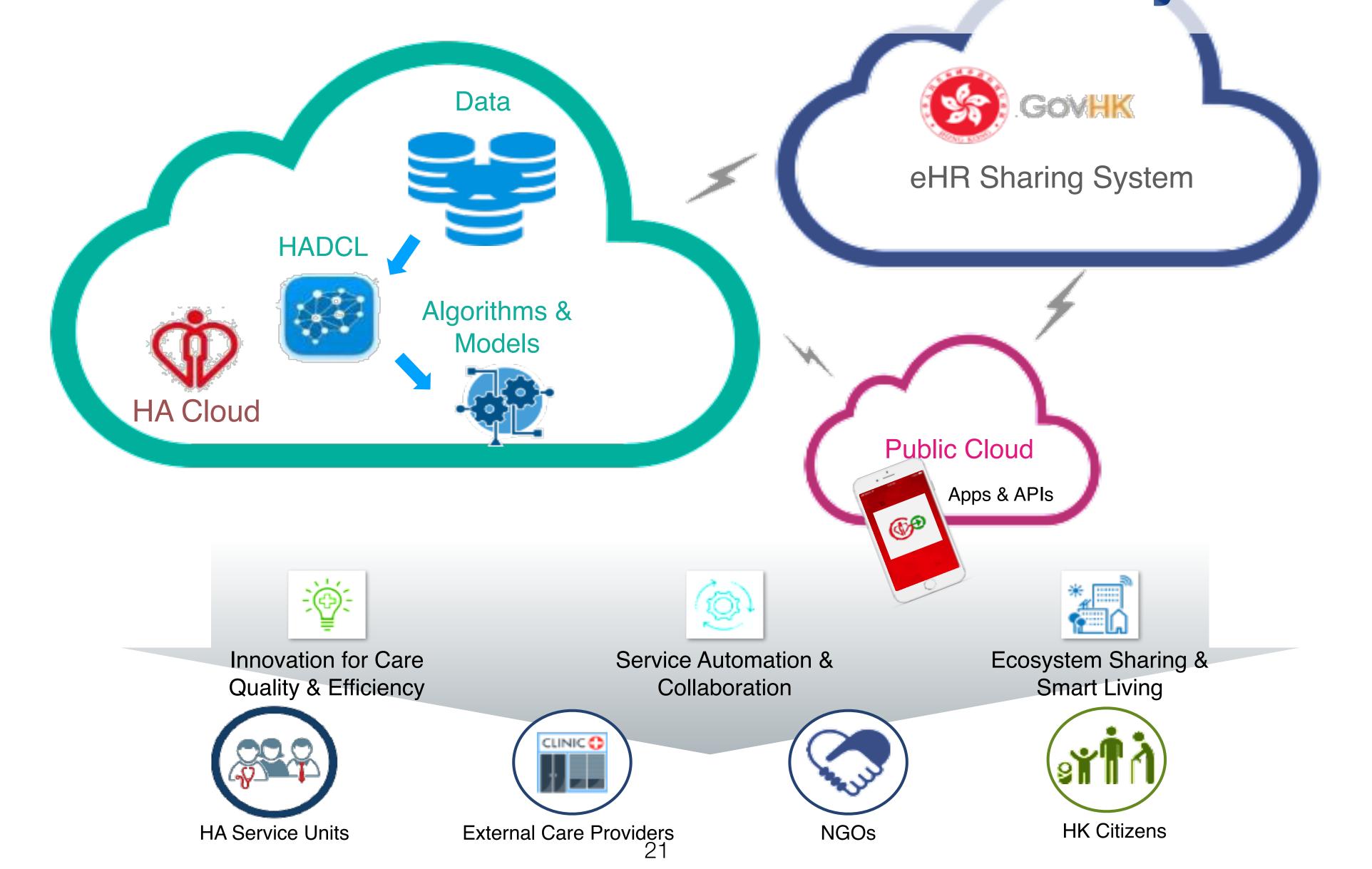
Smart Care Smart Hospital Management Smart Staff Smart Hospital Smart Facilities & Infrastructure

Al Lab & Al Delivery Centre to Convert Ideas into Service Benefits





Build HK Healthcare Cloud Ecosystem





CLOSING COMMENTS



- EMR and digital health technologies are powerful tools
- To make them a positive force, focus intensely on the clinician and the patient