



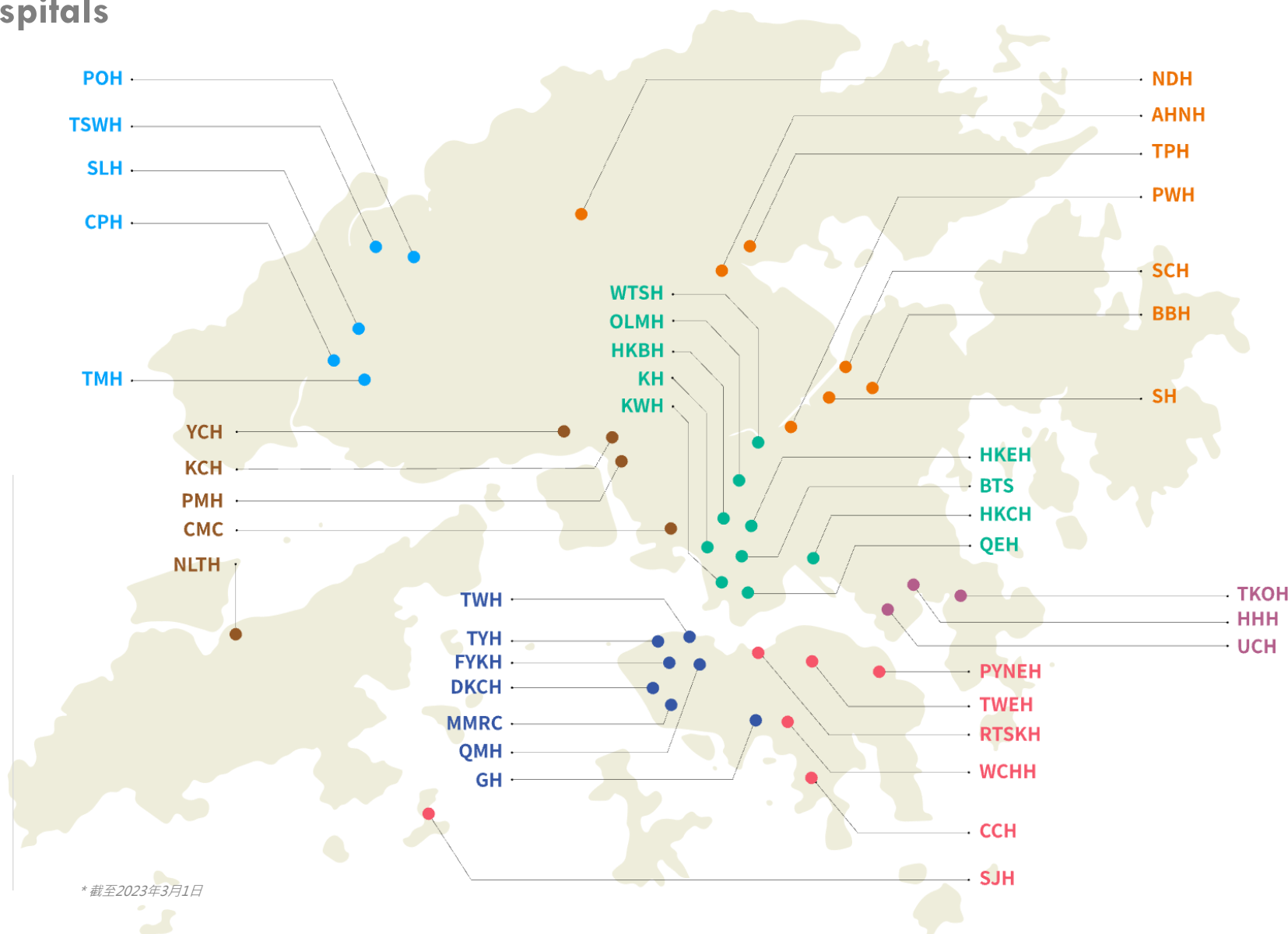
From Hospital Digitisation to Scalable HealthTech Solutions: Data, IP, and Market Deployment

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Hospital Authority (HA)



Public Hospitals



43 Hospitals

120+ Clinics

30000 beds

Every year:

22M+ episodes of care

3.5M individuals

Digital Health in the HA

The Road Less Travelled



1990	Patient administration + Departmental systems
1995	Clinical Management System (CMS)
2000	CMS Phase II
2003	eSARS
2008	CMS Phase III
2010	Filmless HA
2013	Inpatient MOE
2016	HK-wide eHRSS Mobile CMS CMS IV
2019	Smart Hospital HA Go eHRSS Stage 2
2023+	Digital Health Platform eHealth+



醫健通
ehealth
香港特別行政區政府 HKSAR GOVT



HA's Clinical Management System

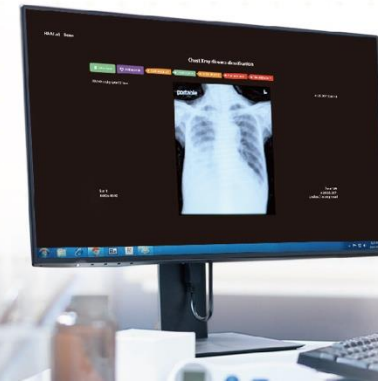
Digitalising Health

Database
30 years of structured standardized data

Team
In house clinicians informaticians and developers

System
Integrated & consistent across all settings

In house R&D
In-house IP and open source => 80% cost reduction





All 43 HA Hospitals have been award HIMSS EMRAM Stage 7





EMRAM

STAGE 7

Hong Kong Hospital Authority

has achieved Stage 7 as designated by HIMSS using the Electronic Medical Record Adoption Model.

Valid through 2025

This organisation demonstrated its commitment to improving health through the effective use of information and technology. Being a data-driven organisation indicates this hospital is enabling transformational change towards improving care quality, safety, and efficiency.

Harold F. Wolf III
President & CEO
HIMSS

Health Informatics in the HA

3 Basic Steps

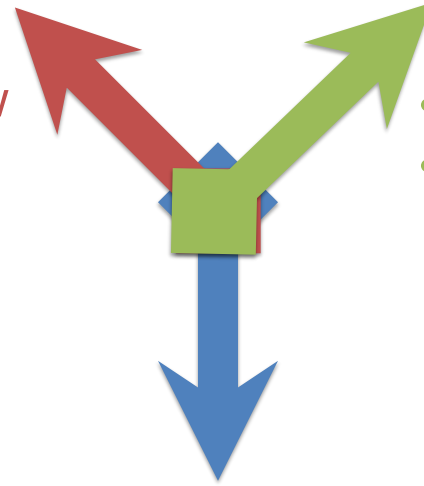


Support the processes of care

- Enhance clinical workflow
- Zero training

Improve quality & safety

- Clinical decision support
- Monitor and measure



Build the electronic patient record

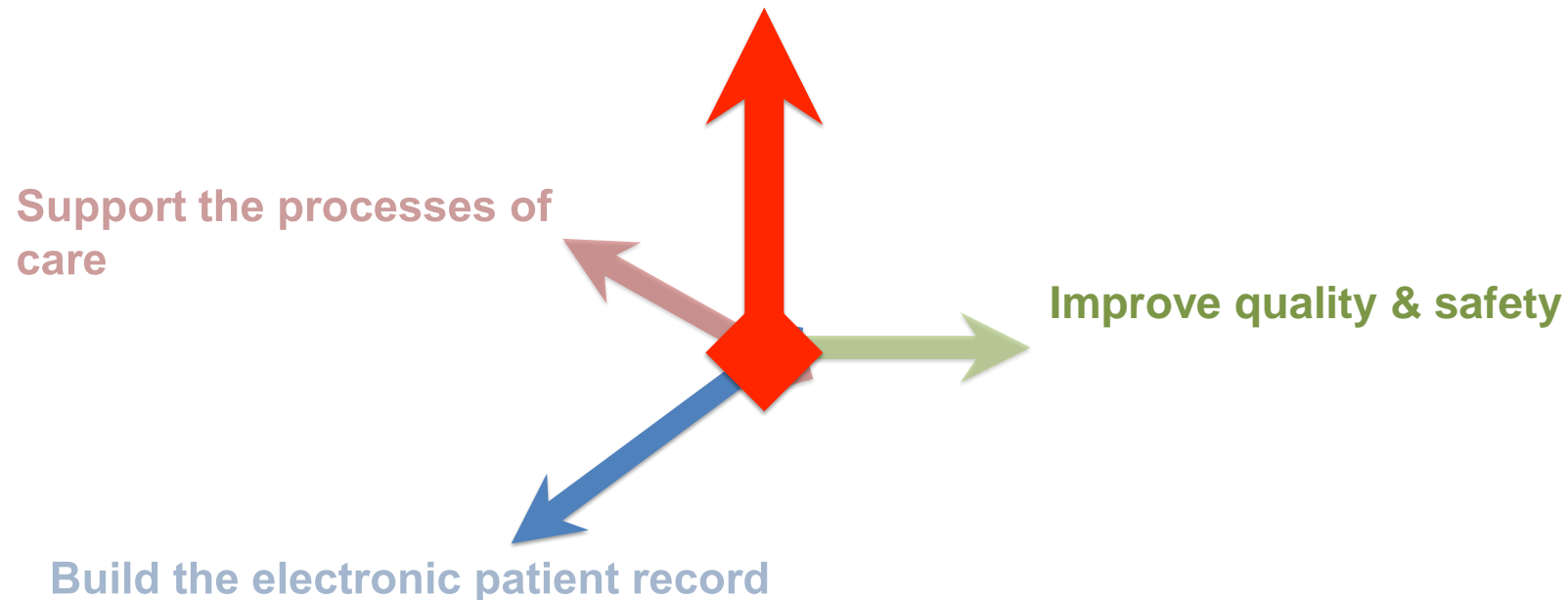
- Standardized & structured
- Comprehensive



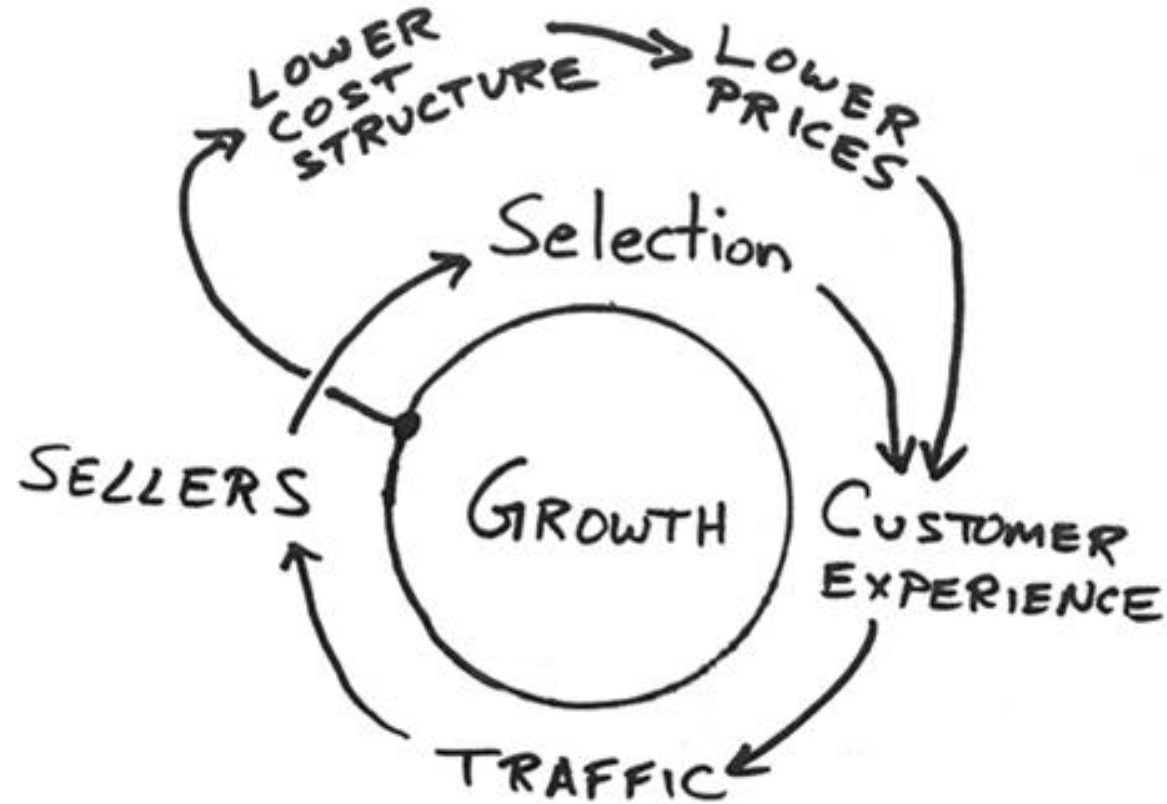
Enable new models of service delivery

Make data actionable

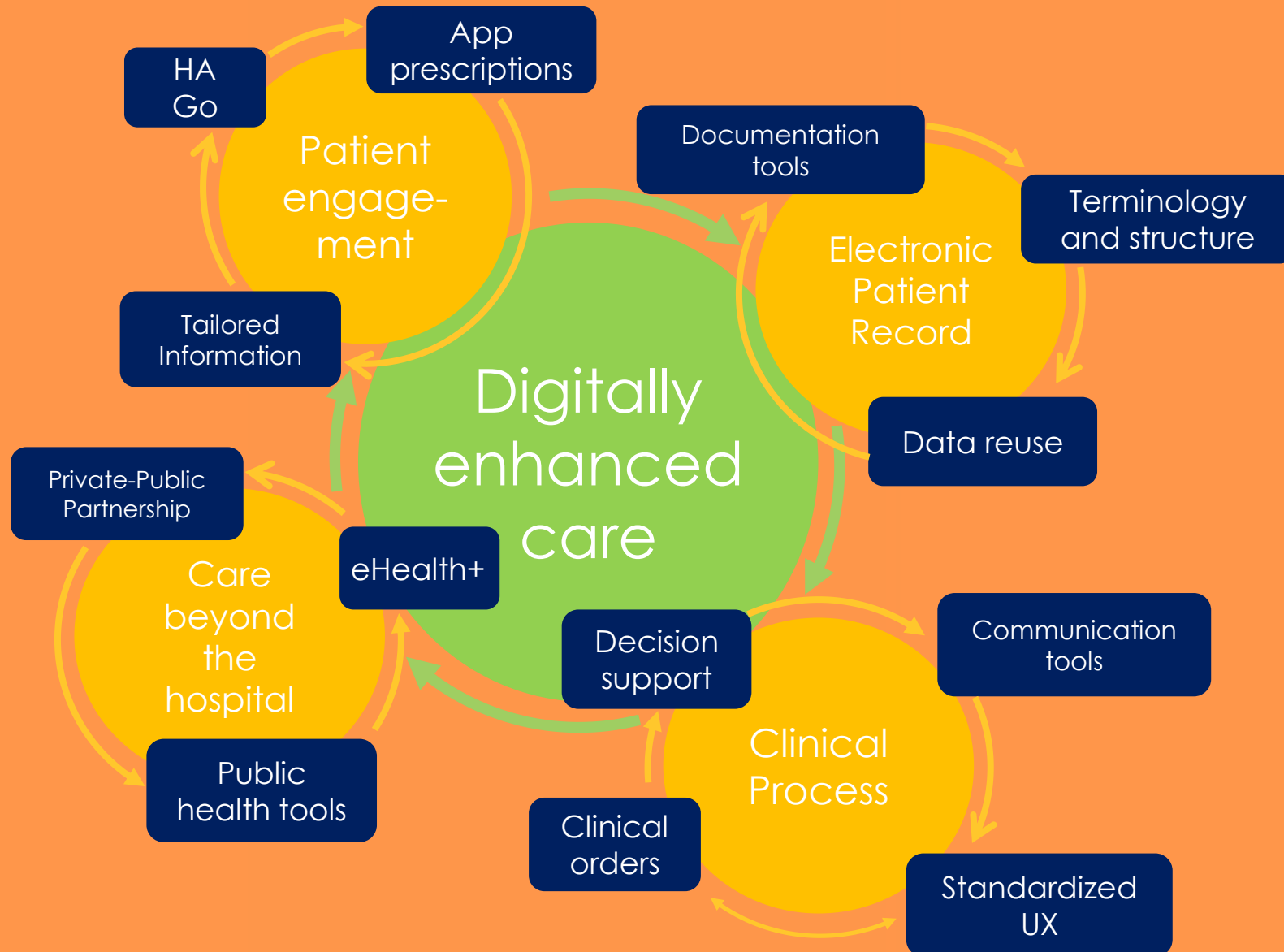
Enhance the care experience for all



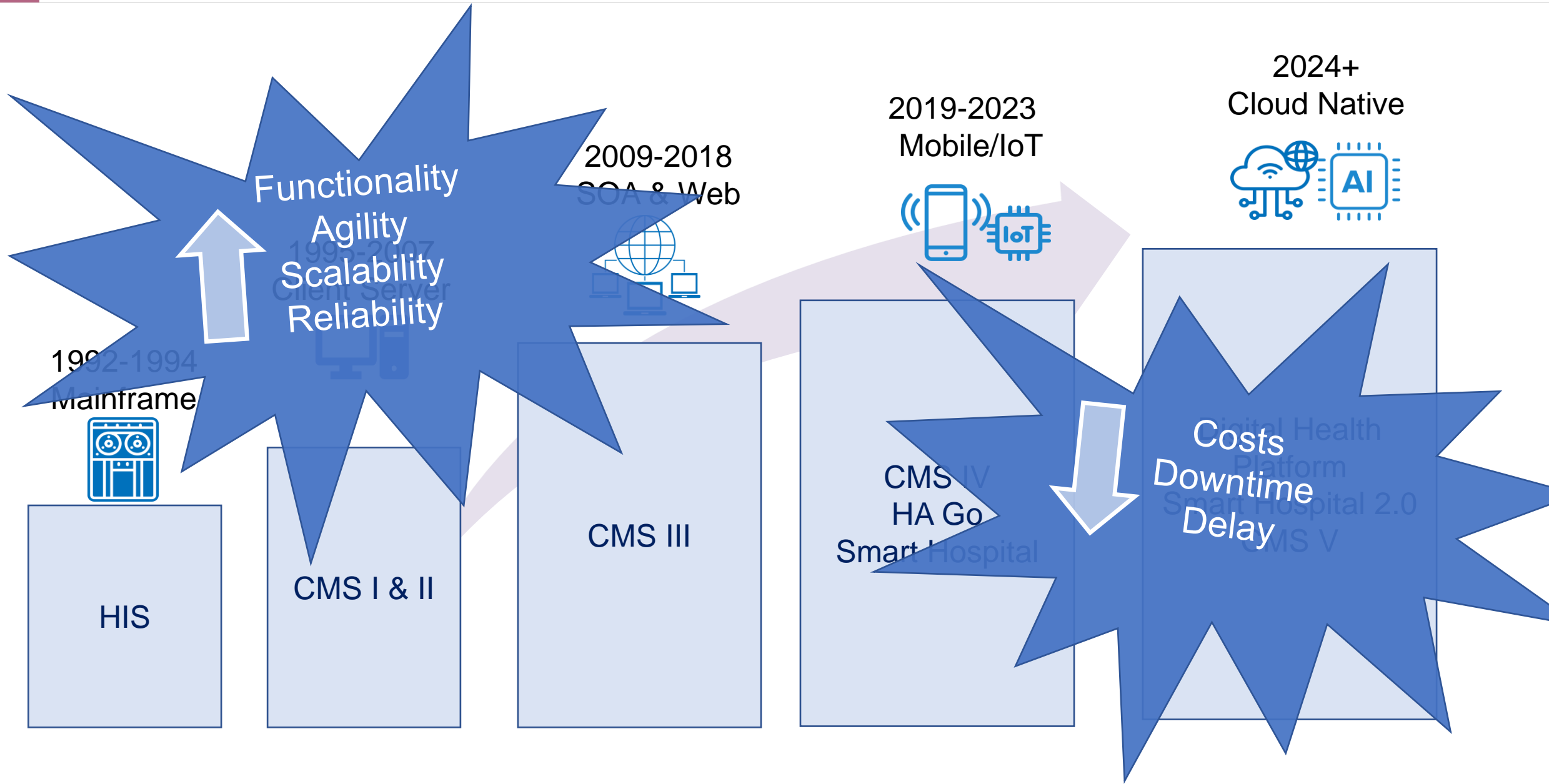
The Flywheel



Digital Health Platforms



Keeping up with technology

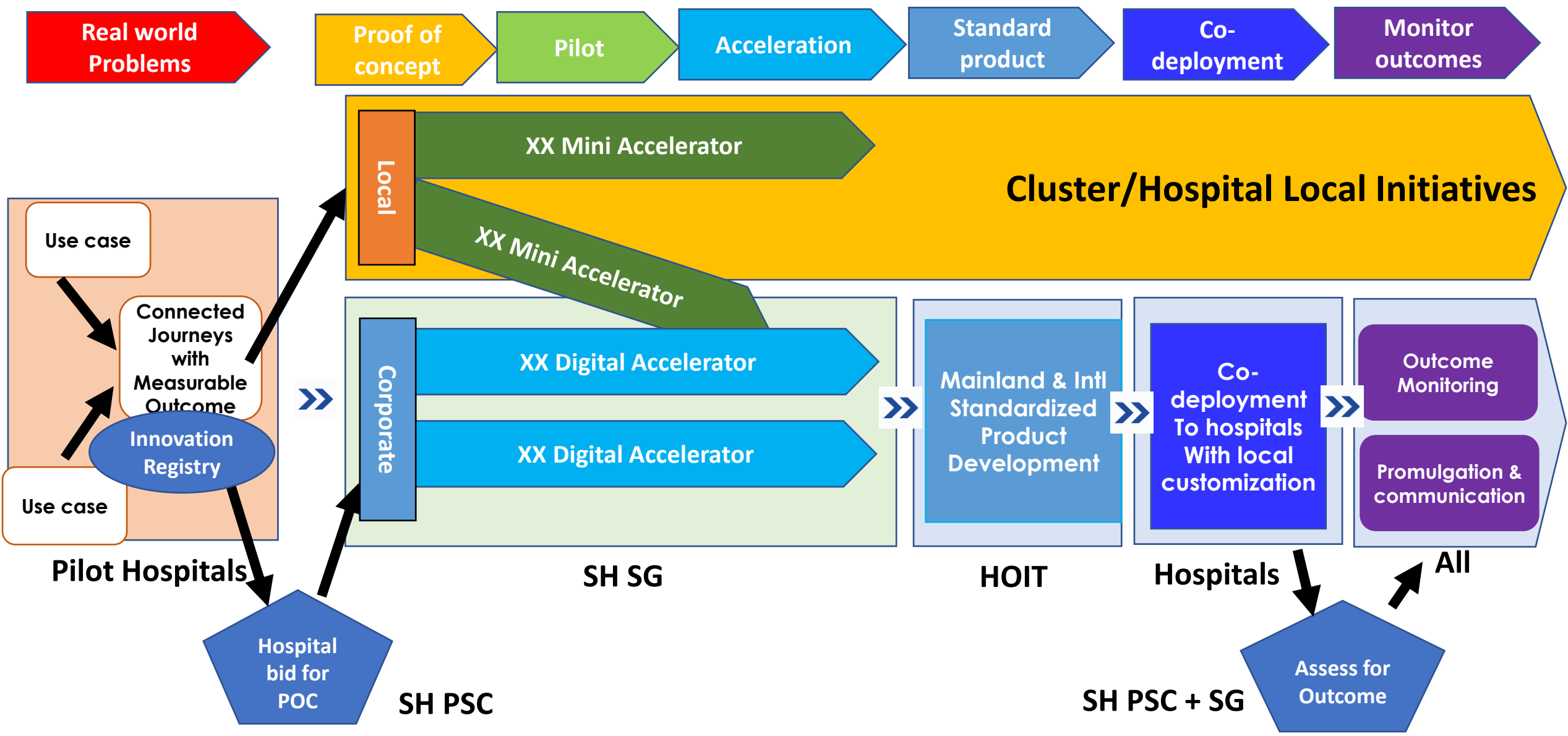


Innovation acceleration in the HA



- How to drive innovation?
- How to ensure meaningful innovation?
- How to achieve value at scale?

Smart Hospital 2.0 - product pathway





Connected Journey



- Deliver Total Experience
- Integration of people, technology and service

Hospital Innovation



- Local wisdom, corporate value
- High tech, high touch

Measurable Value



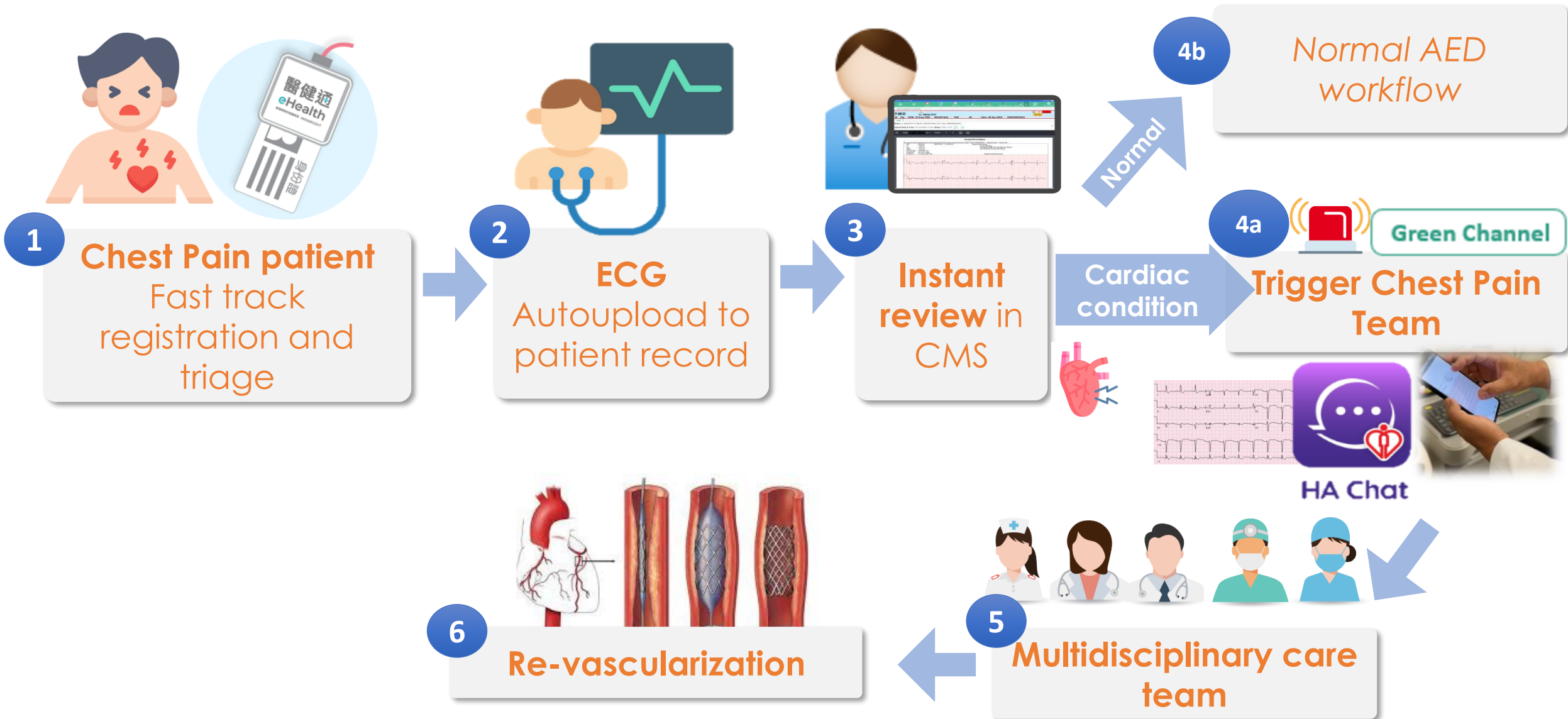
- Quantified benefit to both patients and staff
- Focus on outcome

Intelligence Driven



- AI powered workflow
- Real time data driven actions
- Actionable Dashboards

Chest Pain Green Channel – “door to needle time”

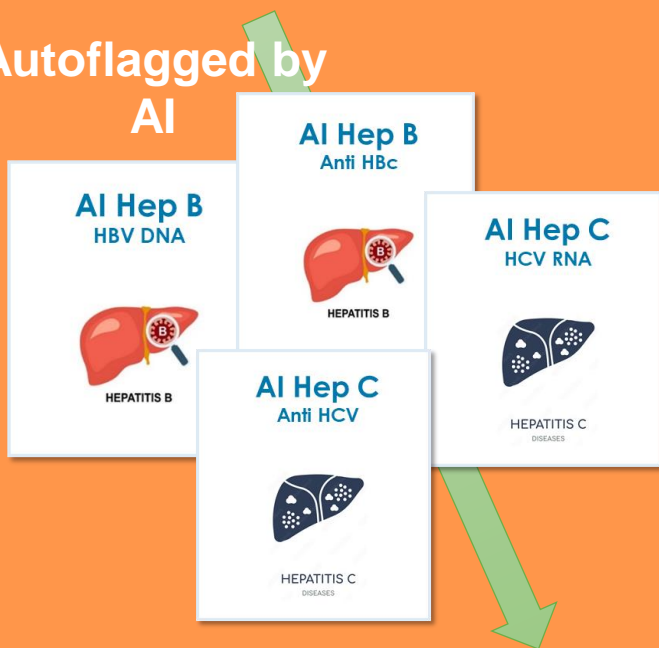


Case study

Hepatitis safety

360,000+ hepatitis tests per year

Autoflagged by AI



Upon immunosuppressive therapy

Alert if antiviral not given

李亞 LI, AH FOK

M 64y DOB: 02-Sep-1954 M366305(7) SOP SOPD0039741(T)

Discharge Prescription/OP Prescription X

Drug Name Browse History Drug Set Standard Regimen

Prescribed Item(s) Zoom

*✓ 1. ETANERCEPT infusion 30mg/ml 1ml
Intravenous : 30 mg daily for 8 weeks

All Change Remove Edit Save and Print

M059596(4) LAW, SATISFY

ALERT

(1) HLA-B*1502 detected ^
Reported on 21-Dec-2020, UCH

(2) Hepatitis B Positive / Carrier ^
Reported on 15-Dec-2020, PWH

(3) HBV DNA detected ^

Clinical Intervention

CAUTION for ENBREL (ETANERCEPT) PREFILLED SYRINGE

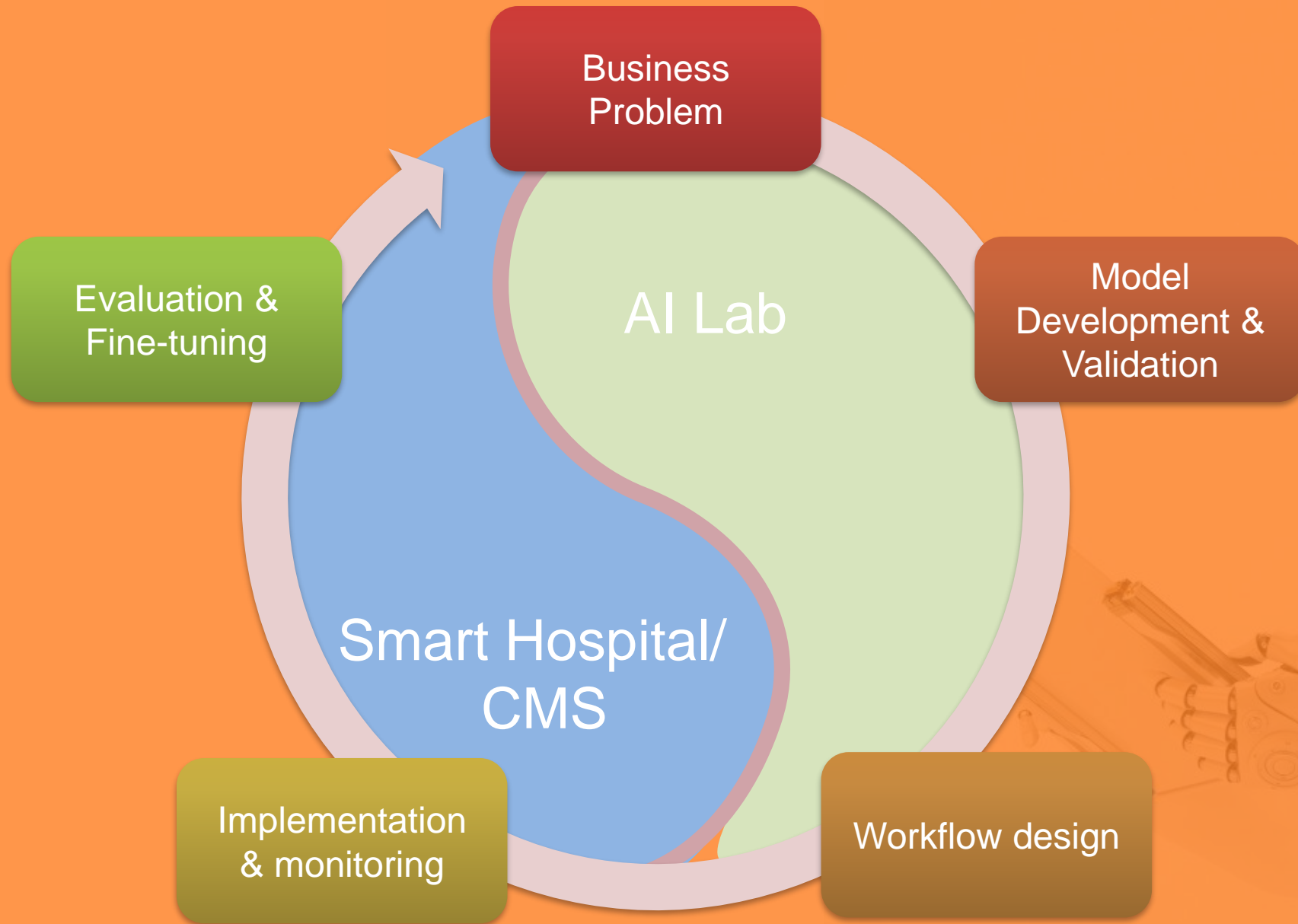
Hepatitis B Alert Checking

HBV DNA Detected Alert Checking
ETANERCEPT - HBV DNA detected prediction.
Use of Enbrel (Etanercept) prefilled syringe as immunosuppressive therapy without antiviral given may result in risk to patient.
Please verify the latest blood result in ePR.

Hepatitis B Positive / Carrier Alert Checking
ETANERCEPT - Hepatitis B Positive / Carrier / Reactive reported.
Use of Enbrel (Etanercept) prefilled syringe as immunosuppressive therapy without antiviral given may result in risk to patient.

Override alert Edit prescription

Disclaimer:
Drug is subjected to Hepatitis B Checking against other medication(s) on the current prescription and the on hand drug prescribed at all hospitals.



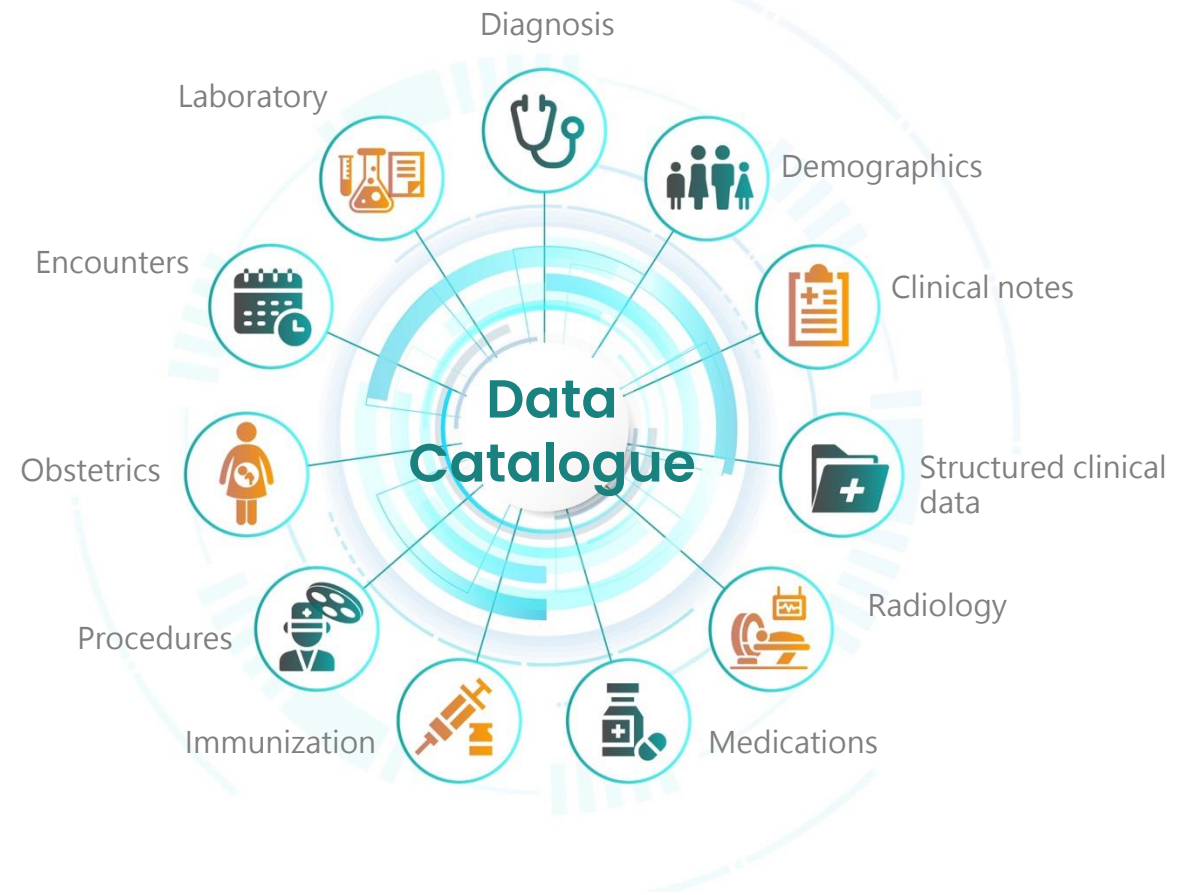


Impactful Big Data Research

Collaborating
with local
Universities
since 2019

60+
R&D projects

30+ years
High quality clinical data



EHealth Plus Digital



- Established 2024
- Three major product areas
 - IT Solutions
 - Health data services
 - Cybersecurity and health IT consulting



Any Questions?

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EH PLUS DIGITAL
醫弘數科