



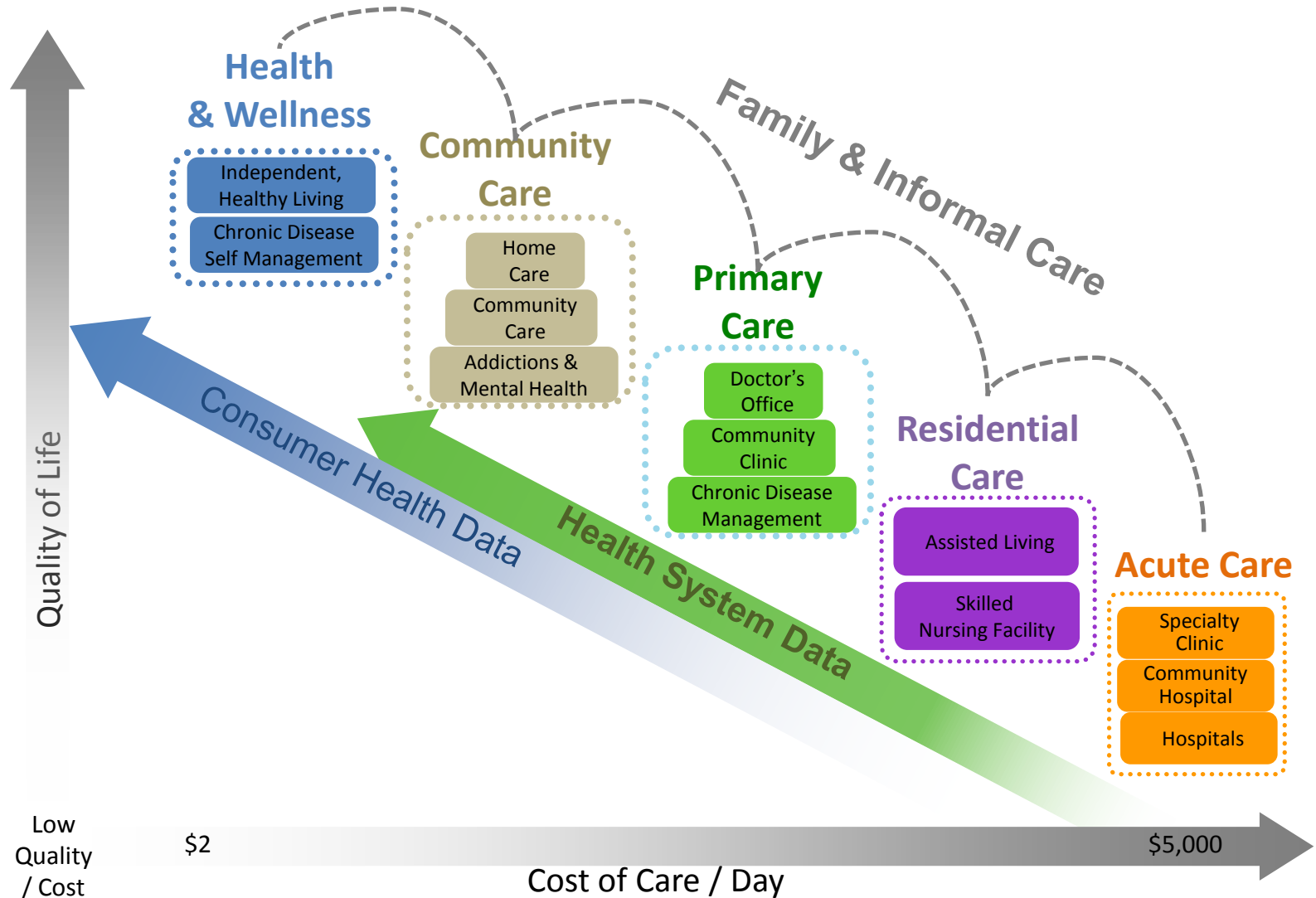
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# Identity, consent and privacy solutions for a brave new world

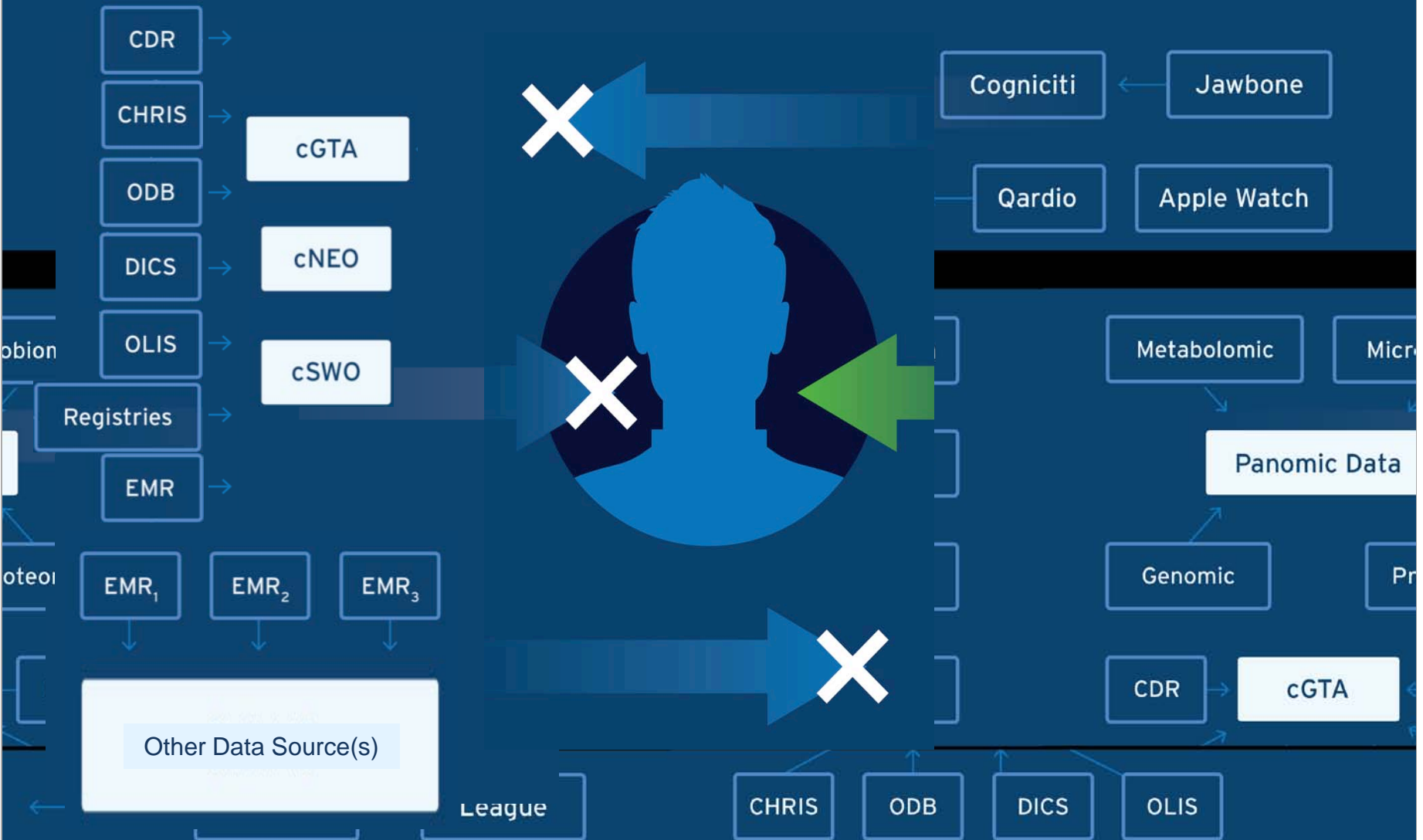
E-health Conference 2016  
Vancouver  
6 June 2016

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# We want to shift from care in the hospital to wellness in the home



# And consumer's own health info is outpacing the health systems



# Yet we can't solve consumers basic info needs...



MEASLES OUTBREAK



Receive request for record

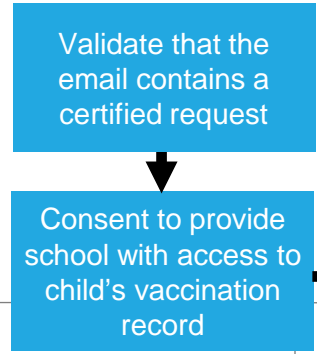
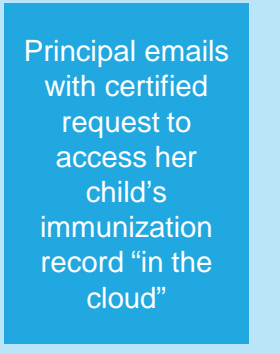
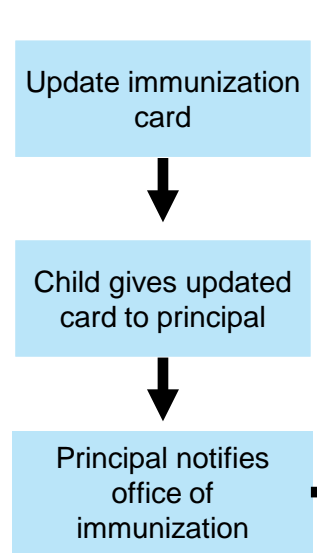
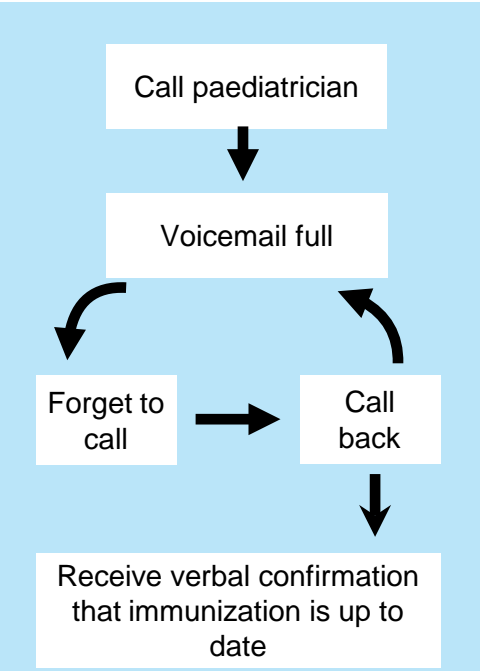
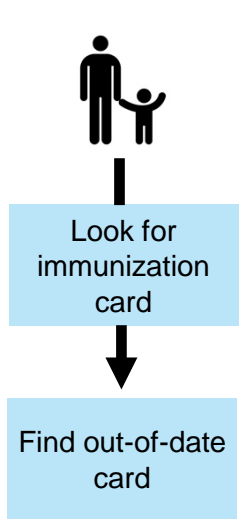
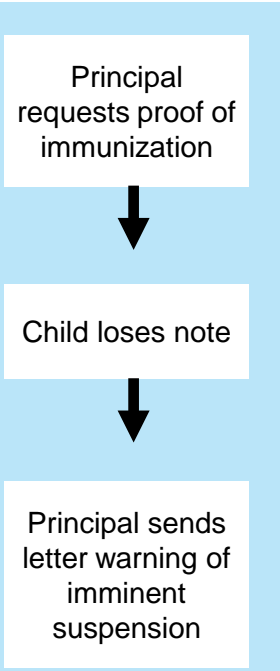
Locate record

Retrieve from official source

Provide to school

TODAY

MYHEALTH



DAY 9

Child can stay in school

MINUTE 2

# ... throughout their life stages.

Healthy  
Moms/Babies



Youth  
Mental Wellbeing



Workplace  
Health



Healthy  
Unwell



Dying Well



USER EXPERIENCE

Trusted 3rd Party



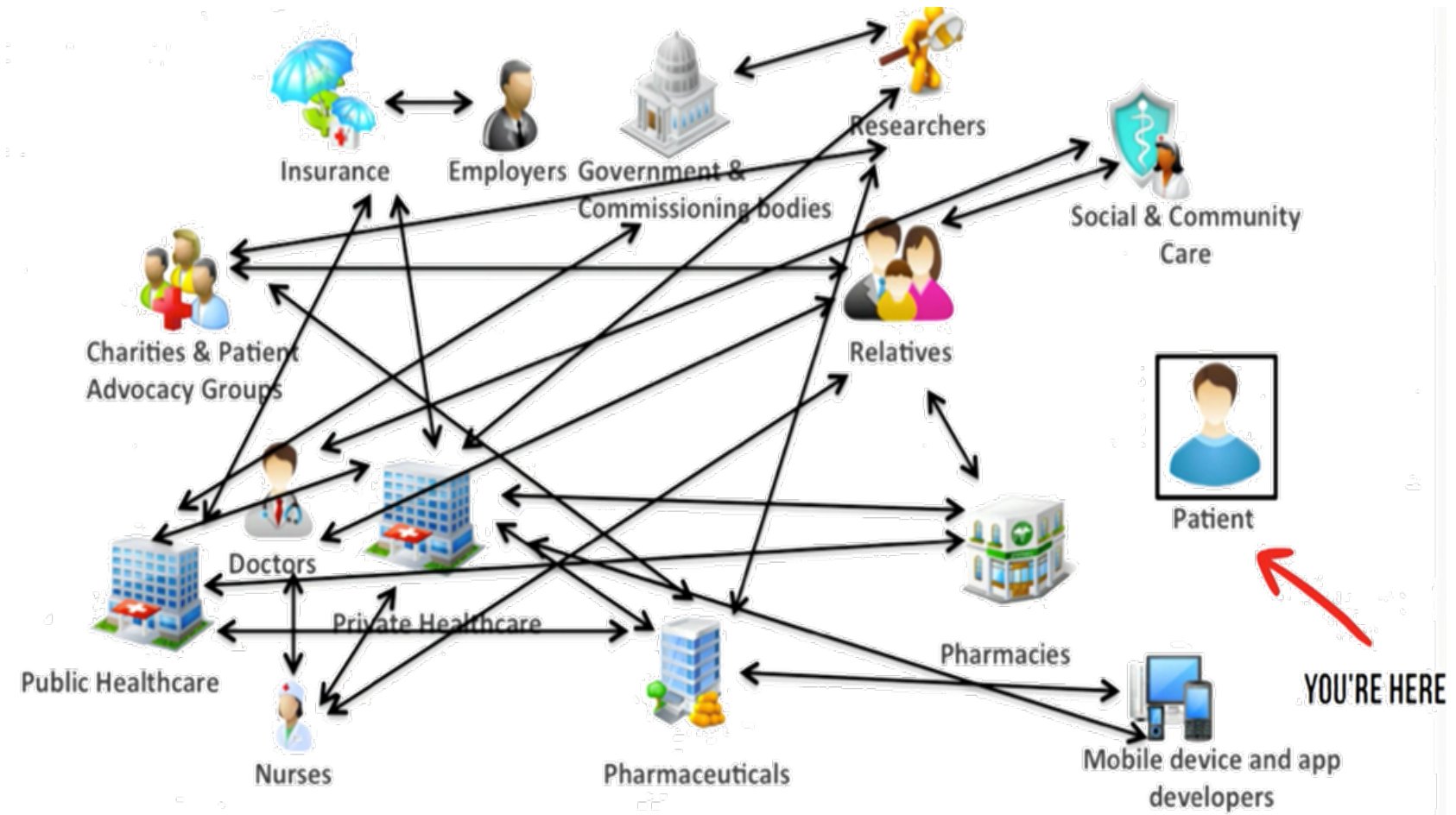
My Solutions



Data Repositories

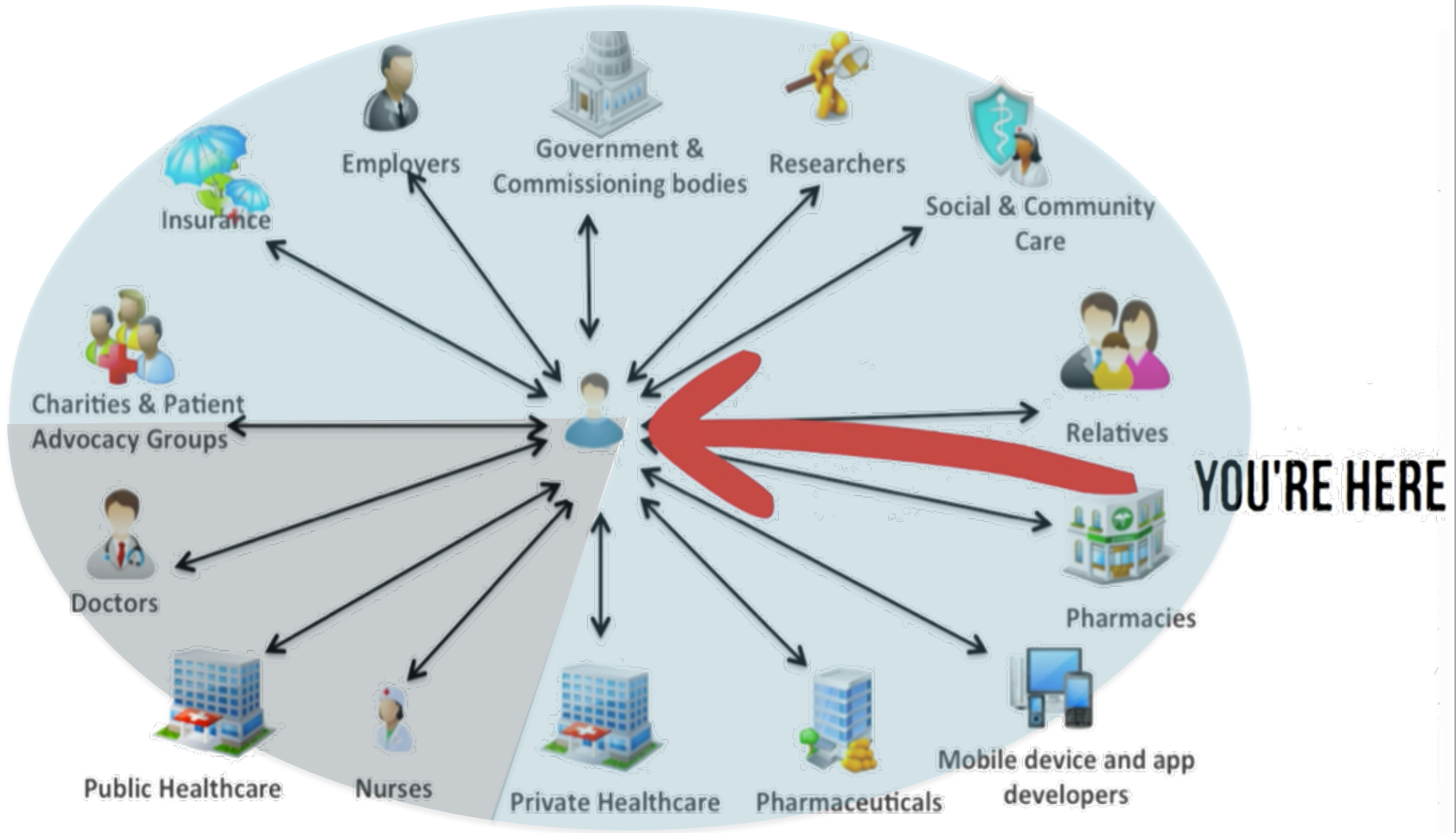


# We must rewire our health systems...



Source: Lucien Engelen, Radboud Medical University Centre (Netherlands)

# ... around an ecosystem of consumer solutions



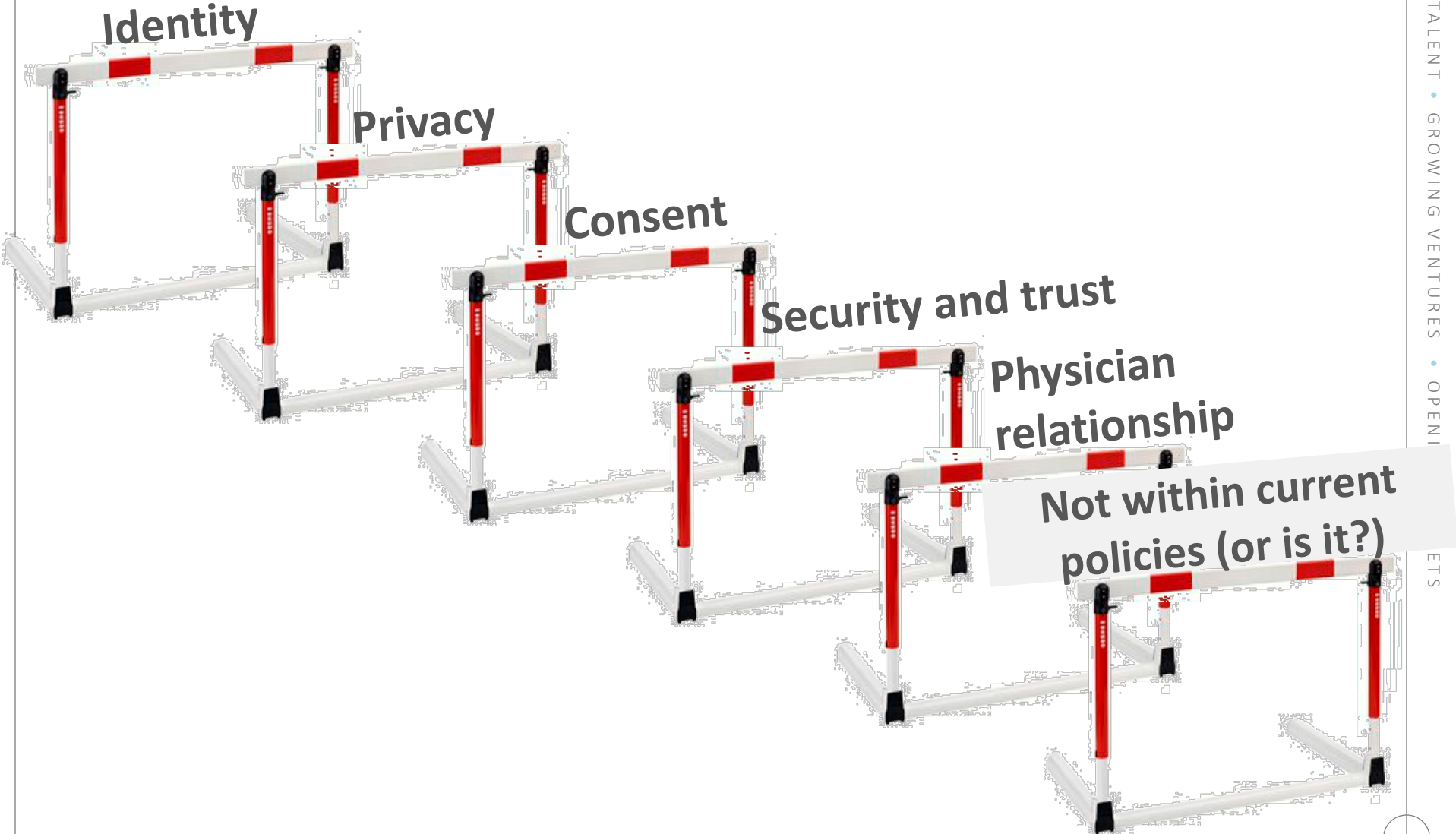
Source: Lucien Engelen, Radboud Medical University Centre (Netherlands)



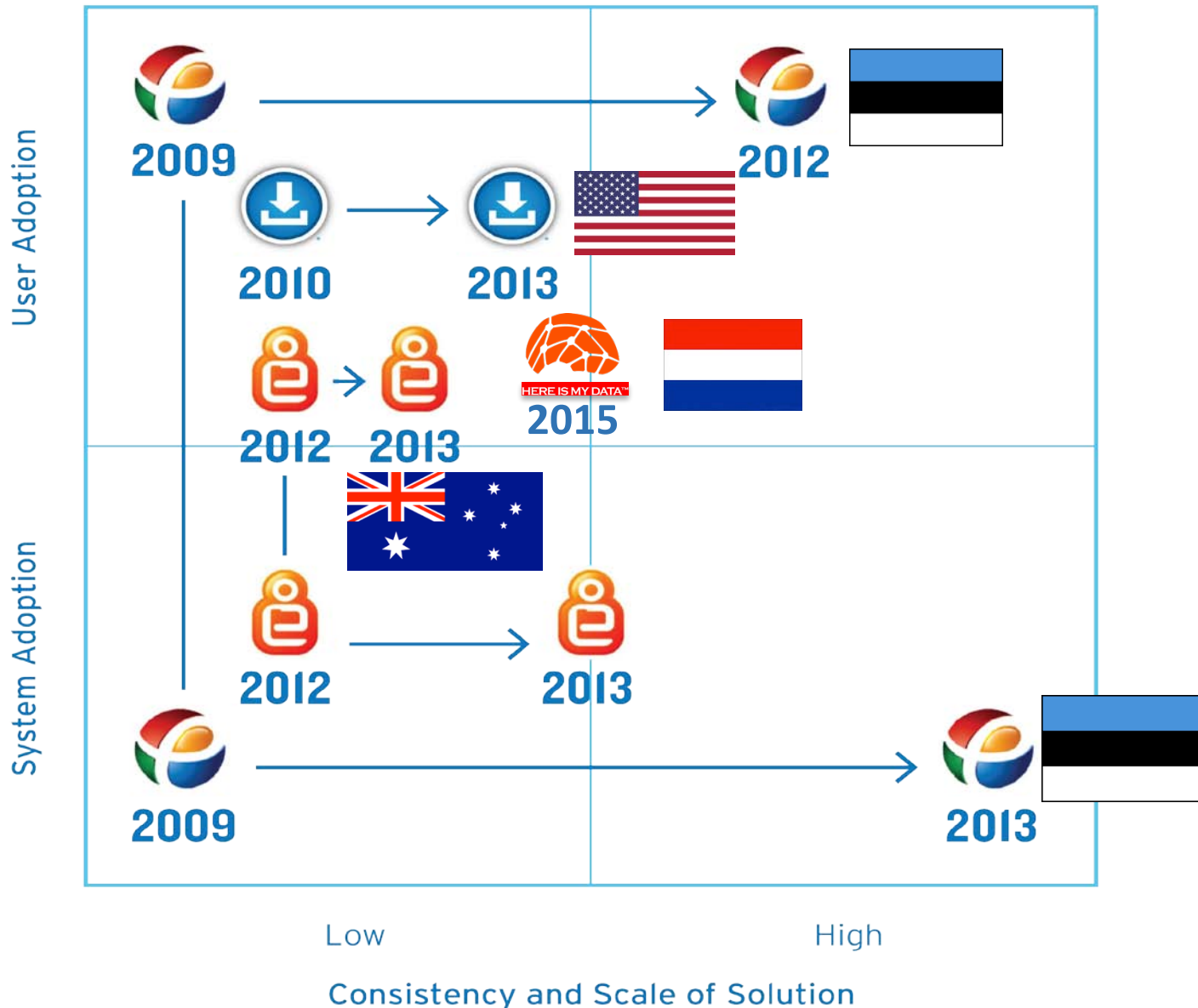




# The hurdles raised for consumers to jump



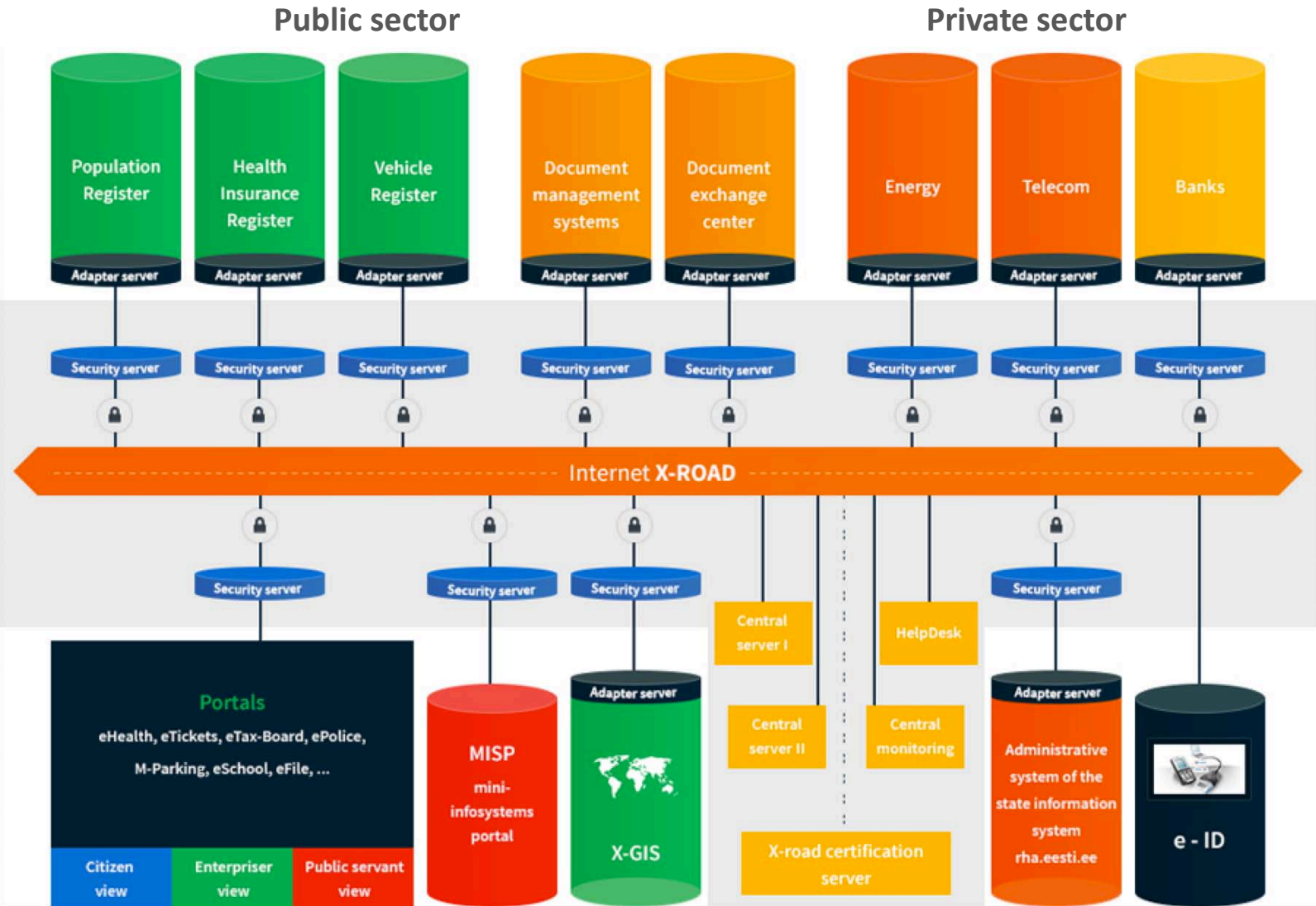
# Approaches to enabling consumers





# Making it over the hurdles – Estonia

Built on Estonia's X-Road network, a secure gateway service architecture that hosts 3000 eServices





# Making it over the hurdles – USA

A simple first use case



A commitment to enabling consumers

Meaningful Use Stage 2: Ability for consumers to View, Download and Transmit their health record

A process to drive ecosystem adoption



600+ organizations

A set of evolving standards





# Making it over the hurdles – Netherlands



HERE IS MY DATA™



PHILIPS



Blockchain

REshape Center

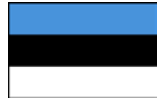
Radboudumc



*“By 2017 all citizens will have complete access to their full medical record”*

Lucien Engelen

# How health systems have helped consumers overcome these hurdles



- Clear drive to significantly re-wire their health system to get a better outcome for the consumer
- Clear leadership and a challenge thrown down to be met
- Explicit statements and commitment to consumer access and exercise of choice and control in a digital world
- Basic online access to information and visibility of who has seen their data for what inside the health system and consent and control for their own use of data.



- Agile, standards based solution development
- Partnered with the private market as well as open source
- Valuable initial uses, niches and markets to get started



# Getting Canada over the hurdles

## Patient and consumer groups:

Focus innovation on key consumer needs. Relationship & reach to engage consumer groups

**Health care providers:** evolving the physician-patient relationship and role as trusted data custodian

## Provinces and territories:

Commitment to enable consumer access and address consent hurdles



## Innovation Ecosystem

**Partners:** Neutral conveners of disparate partners. Enabling new entrants to succeed

**Private Sector:** Development of infrastructure, scalable consumer solutions and sustaining business models

**Federal:** Partnering locally and globally for the enabling standards and seeding the innovation ecosystem

# Contact

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