

### INSPIRE

Interoperability and

Standards in Practice:

Innovation, Readiness, Education



# Turning Standards into Action with Ryan Mavin



#### Themes from today's speakers



Patients and providers need data to avoid harm and get the best possible outcomes



Researchers doing great things with limited data – imagine possibilities with access to complete harmonised data



We need to use **standards in data infrastructure** like we do with physical building infrastructure



Globally health systems are facing the same challenges



We have been trying for a long time, and we have a **limited window to get this right** (ready or not, Al is coming)

Leadership checklist:

- Influence and capability to make this happen.
- Subject matter expertise to inform the right way.
- Foundations on which to build it.
- Political backing to fix the problems.
- Culture of standards adoption.



#### Why we need to decide to use standards

#### **Today: fragmented un-harmonised**



















**GP** 

Pharmacy

Diagnostics

Hospital

**Specialists** 

Allied

Aged care

Government

Free text or Proprietary terminologies (e.g. Diagnosis and Condition)

Provider specific order codes for the same tests

Manual coding for billing

Unlinked care setting specific ways of describing the same concept

Gov defined value sets

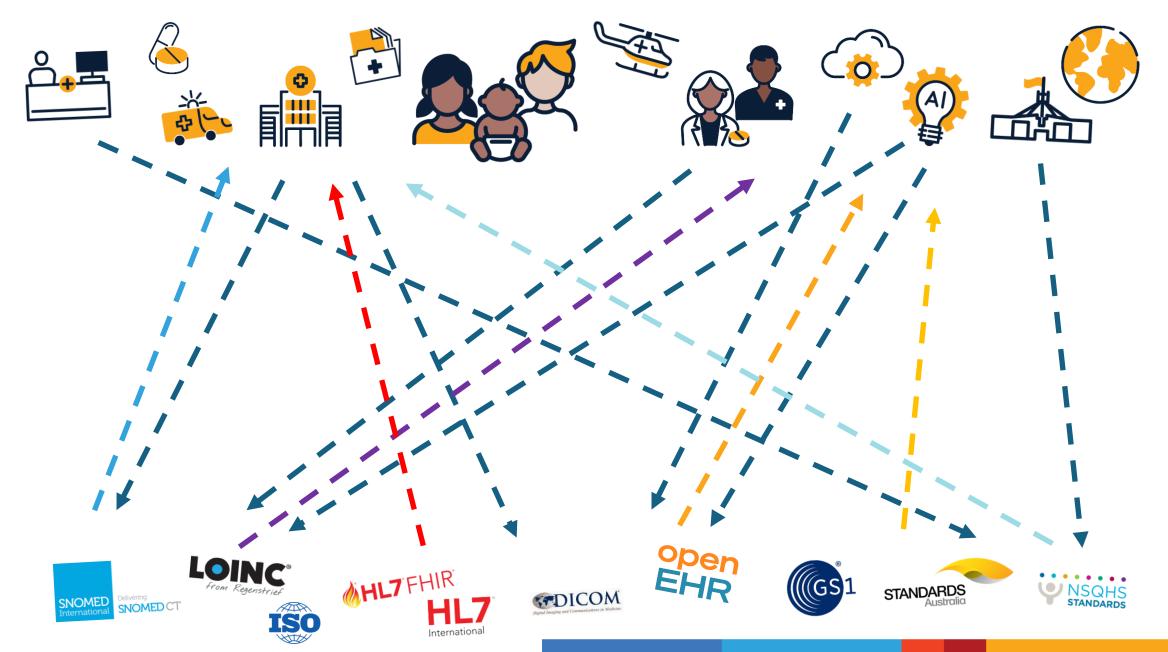
Free text or proprietary medication details

Proprietary terminology in **EMRs** 

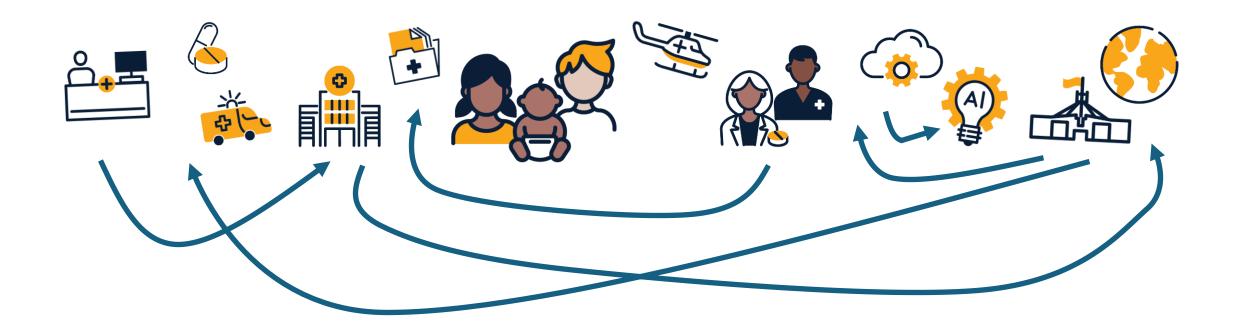
Manual data entry for government reporting

Inconsistent Concepts and Terminology = Disconnected care and research









# Disconnected from standards = Disconnected care



















#### Psychology of making the right decisions



#### How to do precisely the right thing at all possible times Danield Gilbert, Prof. Psychology Harvard University

"We're on an ancient vessel and can't evolve quickly enough, but we're not stupid," Gilbert said. "The way we got to the moon wasn't through intuition—we used science and disciplined rational thinking. We can use the same approach to make any kind of personal decision. The question isn't whether we know how to do precisely the right thing at all the right times. The question is whether we will actually use what we know."

"How can you do the right thing at all possible times? You probably can't," he said. "The best thing you can do is to catch yourself making these errors and know to watch out for them. ... We can stop ourselves not from *making* errors, but from *completing* errors."

#### Psychology of making the right decisions



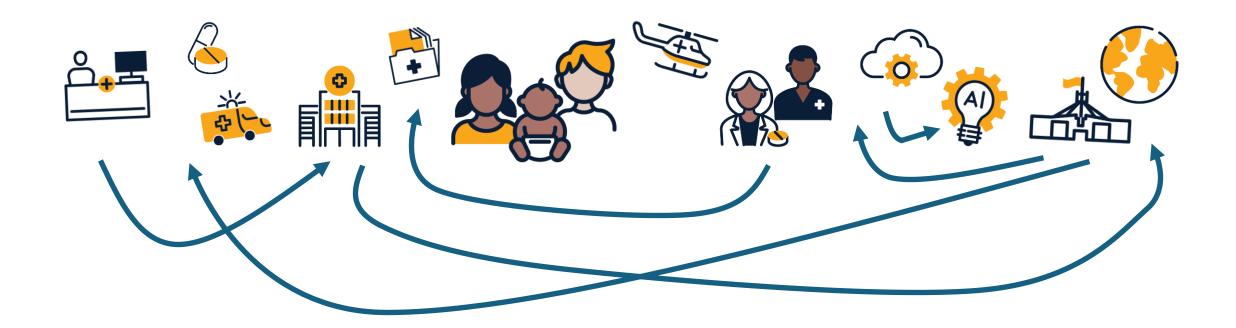
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Digital Health Standards are our wheel, let's make the right decisions and leverage them rather than re-inventing





# Disconnected from standards = Disconnected care









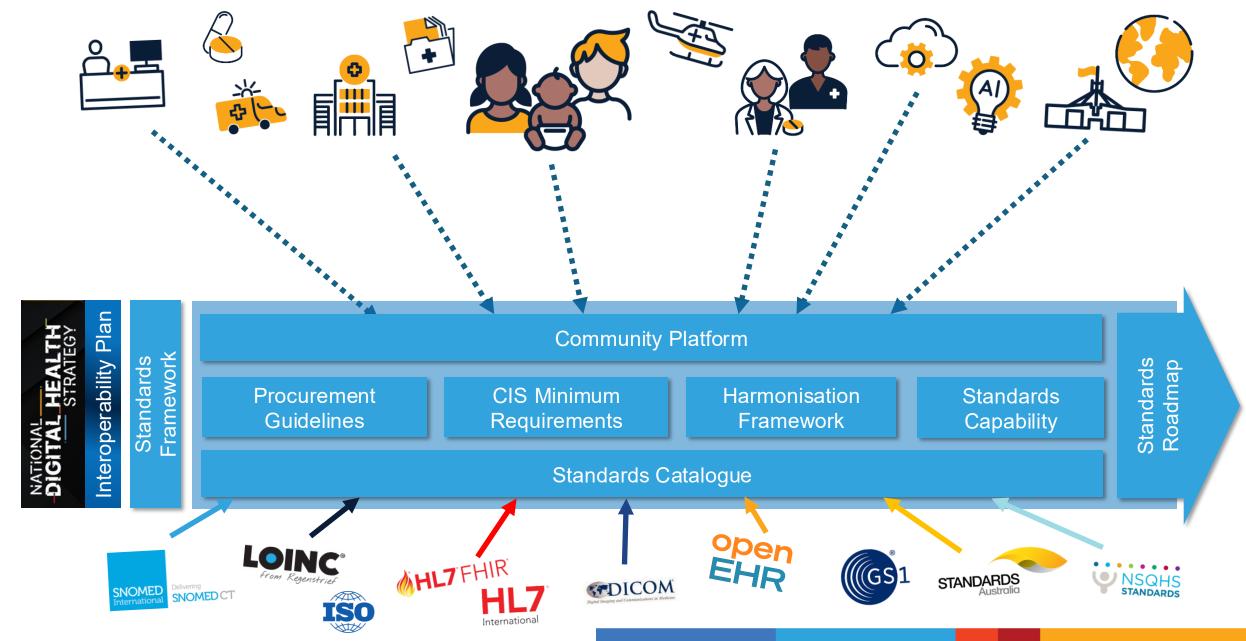






























**GP** systems

**EMR** 

Clinical systems

Consumer apps/devices

Diagnostic systems

Infrastructure

My health app

**Health Connect Directory** 

**NCTS** 

**Health Direct** 

Interoperability Plan

Framework Standards

Community Platform

**Procurement** Guidelines

**CIS Minimum** Requirements Harmonisation Framework

**Standards** Capability

Standards Roadmap

Standards Catalogue













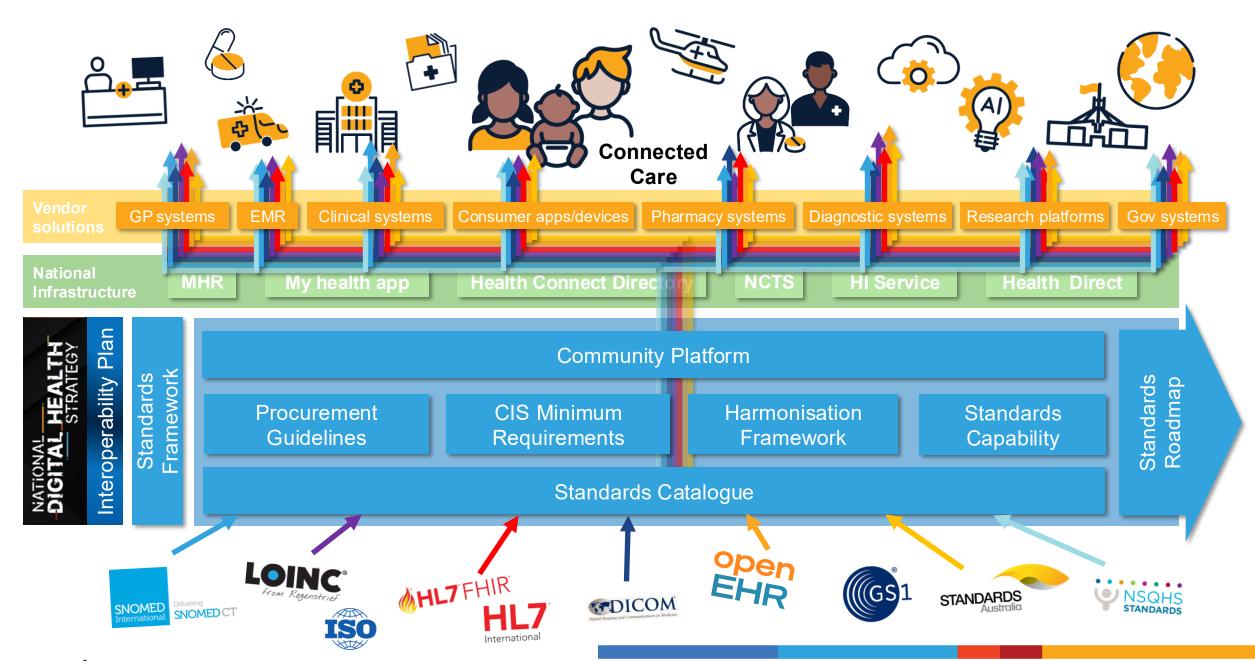






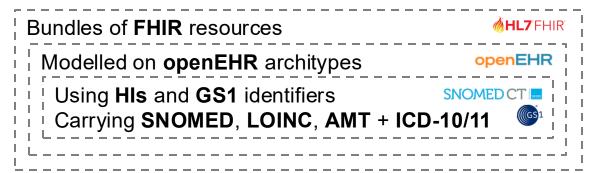












Accelerating co-design & development of FHIR Implementation Guides (IGs) Including:

- AU Patient Summary
- AU Encounter Summary
- AU eRequest

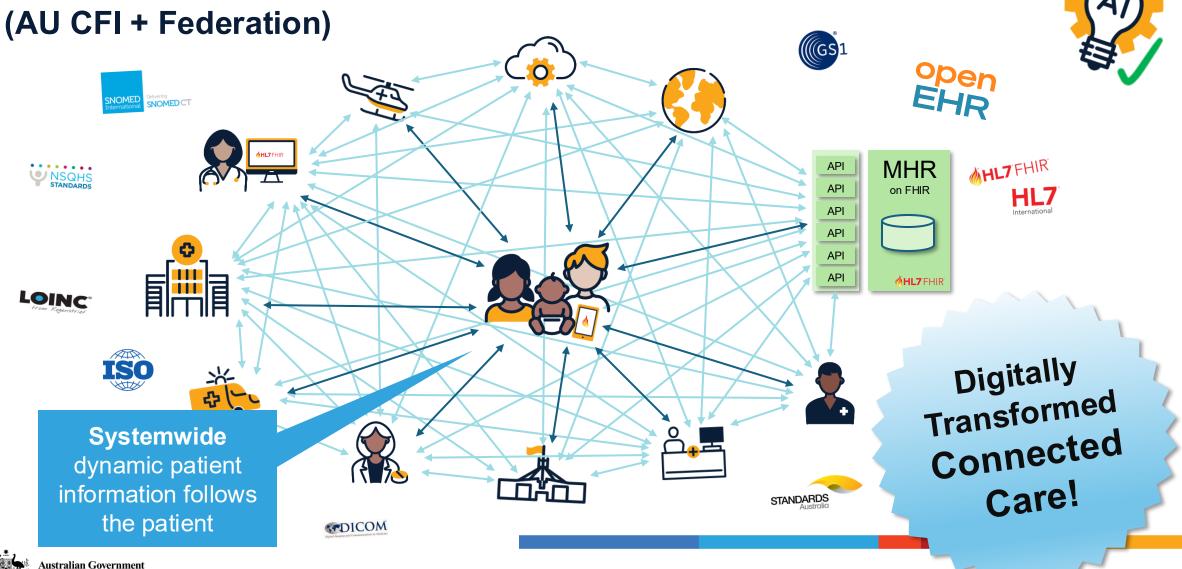


Harmonised
semantic
interoperability
= Connected
Care!



**Health Connect Australia FHIR microservices** 

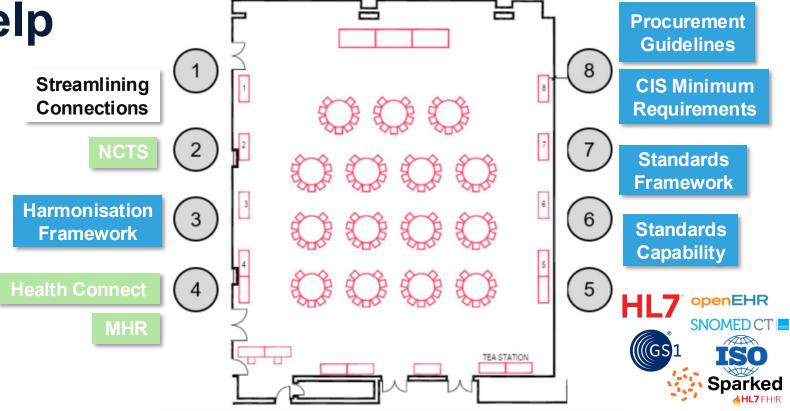
Australian Digital Health Agency



#### We are here to help

#### Before you leave today...

Each booth around the room can give you a deeper understanding of what this means and how we can help you succeed.



Standards Catalogue

With your help and influence we will create a culture of standards adoption that transforms healthcare in Australia





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