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8th ZIMAM DIGITAL HEALTH FORUM

ADVANCING TALENT-CENTRIC DIGITAL HEALTH INNOVATIONS



4-8 NOV
2025



JUMEIRAH EMIRATES
TOWERS, **DUBAI**

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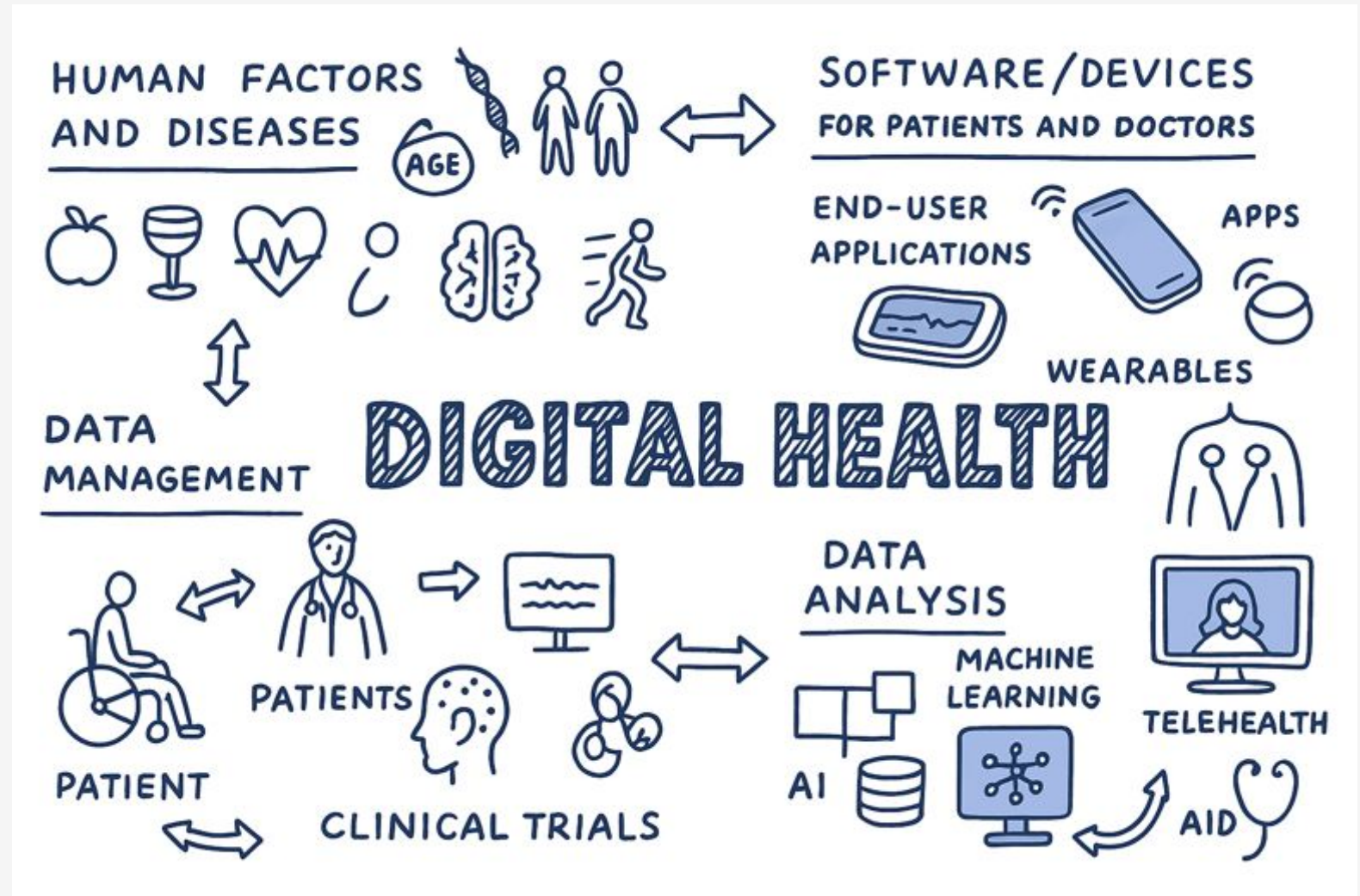
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Healthcare is changing... need Interoperability by design

Interoperability is a race without a finish line:

- New clinical knowledge
- New technologies and data resources
- Organization and regulatory shifts
- New requirements of data flow and consumption across the ecosystem
- New data standards to mapped to legacy
- Ensuring compliance is key



The cost & complexity of establishing and maintaining interoperability is always underestimated.

2 Scenarios:

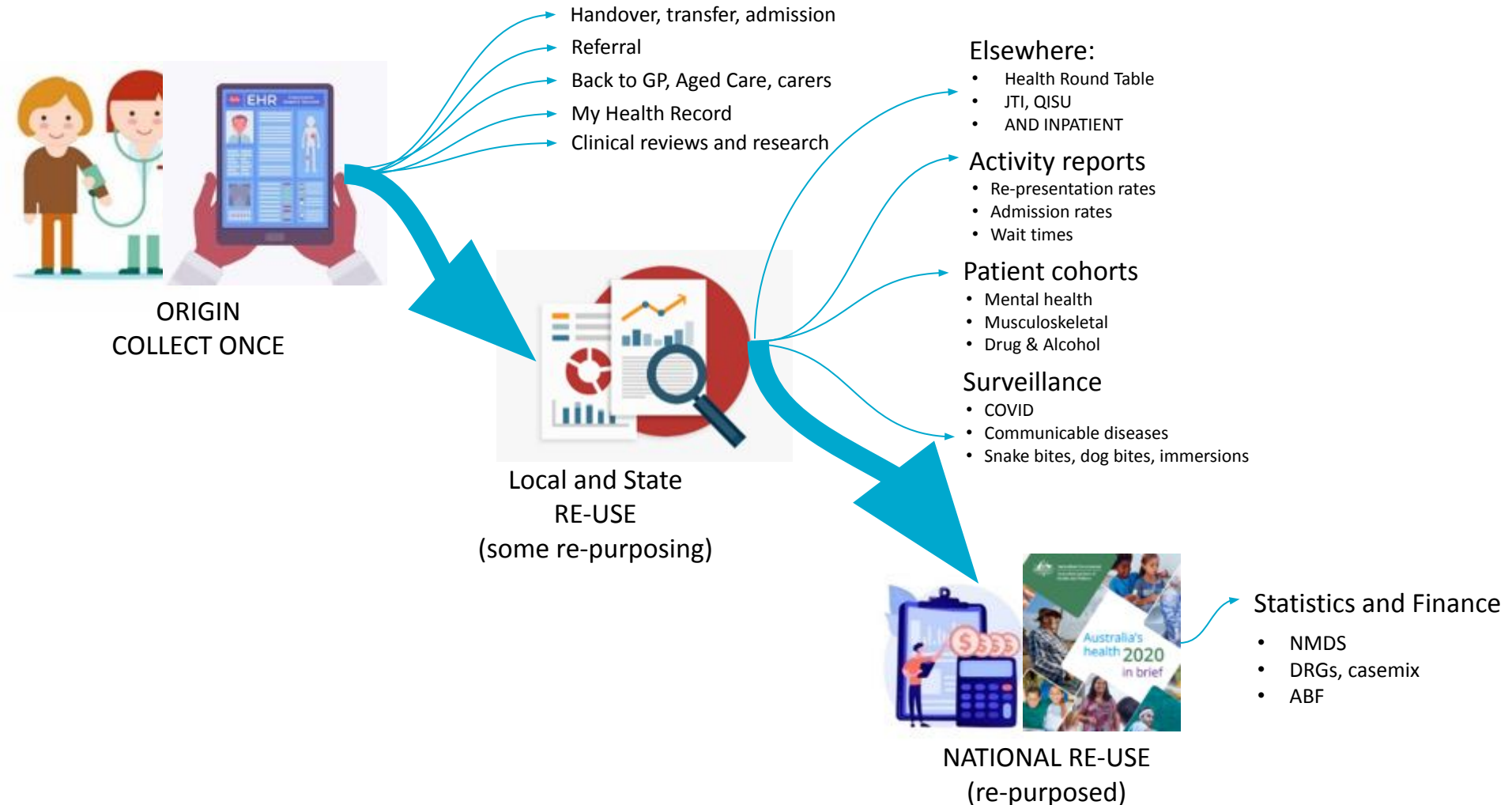
Old way

- ❖ Small select group of experts engaged
 - ❖ (both clinical and technical)
- ❖ Development in house and when a near to final draft is complete- put it out for limited community feedback
- ❖ Separate clinical , industry, government discussions
- ❖ Testing commences with external parties once spec is near final draft
- ❖ Build it and hope they will come
- ❖ Longer time to adoption – normally requiring both carrots and sticks
- ❖ Implementation challenges only identified towards the end of development or in implementation phase

Democratized way (currently being demonstrated through Sparked in Australia)

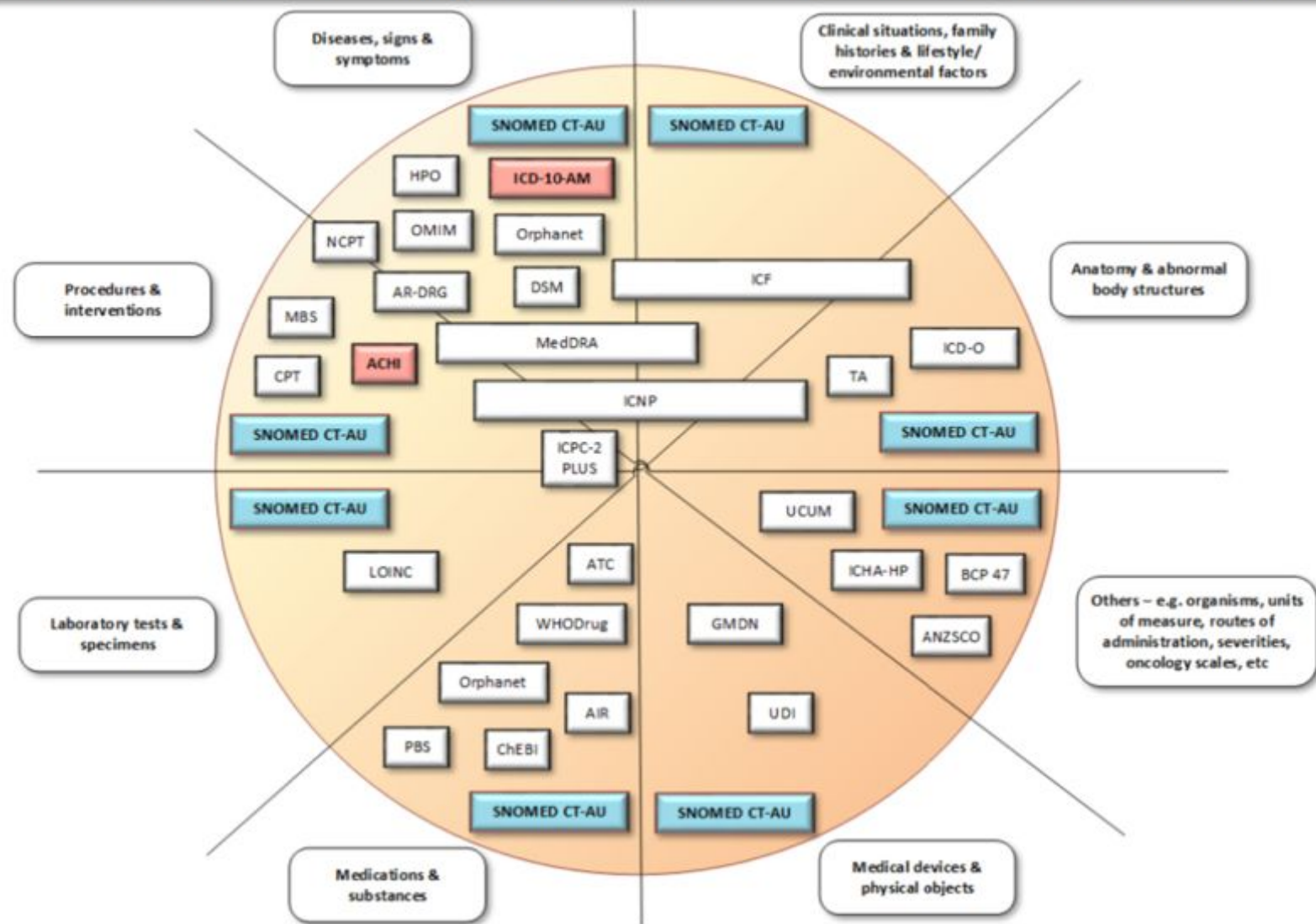
- ❖ Open, transparent, collaborative and consensus driven
- ❖ Change management commences through the standard development process
- ❖ Clinician led, quality data focused first
- ❖ Joint clinical, consumer, industry and government discussions
- ❖ Establish a large, ever- growing group of change champions- consumer, clinical, technical and policy
- ❖ Build workforce capacity in clinicians, industry and government
- ❖ Agile, iterative, development and testing of the specs and industry implementation of the specs in parallel
- ❖ When standard is published, industry already/close to conformant and implementation
- ❖ Policy implications identified earlier through the community process
- ❖ Guided workshops- making sure its not just the loudest, most confident voices in the room
- ❖ Build it together, test it together, go live together

CSIRO Depth Dimension: Data and information flows - Ideally...



CSIRO Width Dimension: Many Code sets in health

ICD-10-AM, SNOMED CT-AU and common clinical classifications, ontologies & code sets used in health



- Different scopes
- Different use cases and settings
- Terminologies
- Classifications
- Other local code sets

The Solution: build an interoperability lab ecosystem



Create and operate an interoperability framework as the cornerstone of building complex digital transformation strategies in healthcare



Bring experts together and solve problems



Test before you implement



Reuse, collaborate, co-create do not re-invent the wheel



Align implementation with real capacity of the stakeholders and make realistic roadmaps

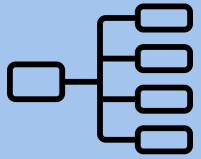


Perform continuous education and capacity building

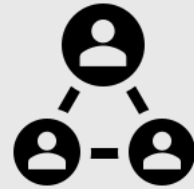


Enable the ecosystem of stakeholders

Common Challenges Addressed by Interoperability Labs



Governance & Leadership



Workforce Capacity



Technology Infrastructure



Sustainable Communities



Compliance

- Government commitment
- Policy alignment
- Accountability

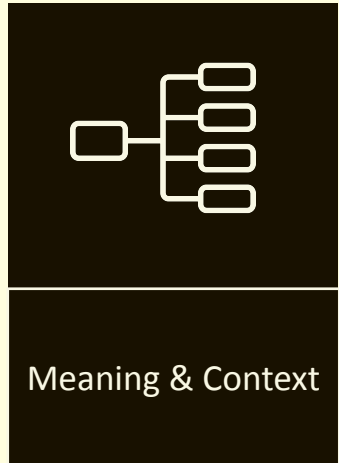
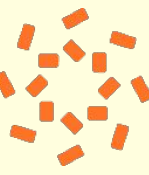
- Skills gaps
- Training needs
- Retention issues

- Legacy systems
- Standards Adoption
- Connectivity issues

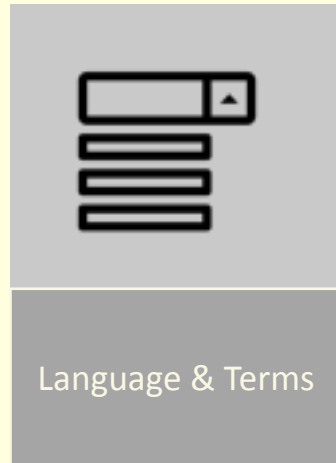
- Local communities
- Global participation
- Knowledge Exchange

- Testing Tools
- Plugathons/ Connectahons
- Knowledge Exchange

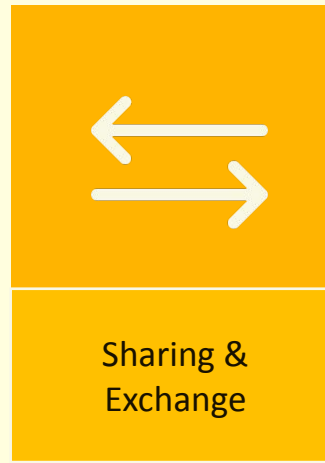
Accelerating FHIR Adoption: CSIRO Sparked



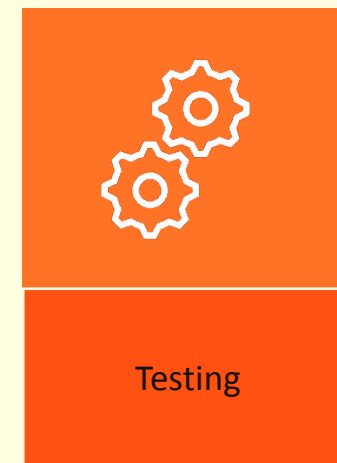
Meaning & Context



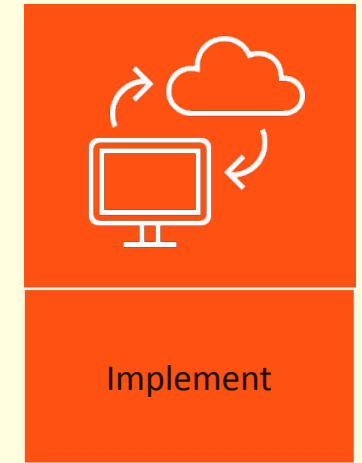
Language & Terms



Sharing &
Exchange



Testing



Implement

Data for Interoperability (e.g. AU CDI)

- AU CDI - R1 - published
- AU eReqDI -published
- AU CDI R2 – published
 - Patient Summary
 - Chronic Condition Management
 - Encounter Record
- AU CDI R3 - in planning

Clinical Terminology Value Sets

- SNOMED CT and LOINC Value sets
- RANZCR
- RCPA

FHIR Implementation Guides

- AU Core
- AU Patient Summary
- AU eRequesting
- AU Encounter
- Smart forms- CCMP

Testing & Piloting of FHIR Standards

- Testing of FHIR Standards, supported by infrastructure & tooling (INFERNO, SMILE CDR)
- FHIR CONNECTATHONS

Reference Implementations & Testing Service

- Services that support implementation and testing of FHIR based applications

Igniting national interoperability — Sparked has fuelled two years of FHIR-powered progress across Australia's digital health landscape...



Sparked Clinical Design Group

81 → **959**
Sept 23 September 2025
Members

Meets
Monthly

Engagement Events:

Online: 12
Face-to-face: 9



Sparked Harmonisation Group

34
CDG Co-Chairs, TDG
Co-Leads & partner representatives

Engagement Events:

Online: 1



Sparked AU Core Technical Design Group

91 → **792**
Sept 23 September 2025
Members

Meets
Monthly

Engagement Events:

Online: 48
Face-to-face: 8



Sparked Patient Summary Project Team

311
Members

Meets
Monthly

Engagement Events:

Online: 7



Sparked AU eRequesting Technical Design Group

151 → **667**
Sept 23 September 2025
Members

Meets
Monthly

Engagement Events:

Online: 52
Face-to-face: 4

1,375+

Registered community members



23,485+

Community expert hours
1 Aug 2023 – 30 September 2025



2,780+

LinkedIn community members



Sparked Chronic Condition Management Clinical Focus Group

38
Members

Meets
Monthly



Sparked AU Patient Summary Clinical Focus Group

41
Members



Virtual Meetings, Events & Webinars

169

Aug 2023 – September 2025



In-person Leadership & Workshop Events

23

Aug 2023 – September 2025



Sparked Symposium

500+ >40%

Registered attendees

Of attendees are new to Sparked

Strengthening Standards Capability Program

Standards and Interoperability Capacity Strengthening Framework

Localised Training

Fit-for-purpose training programs for all levels of maturity

Academic Collaborations

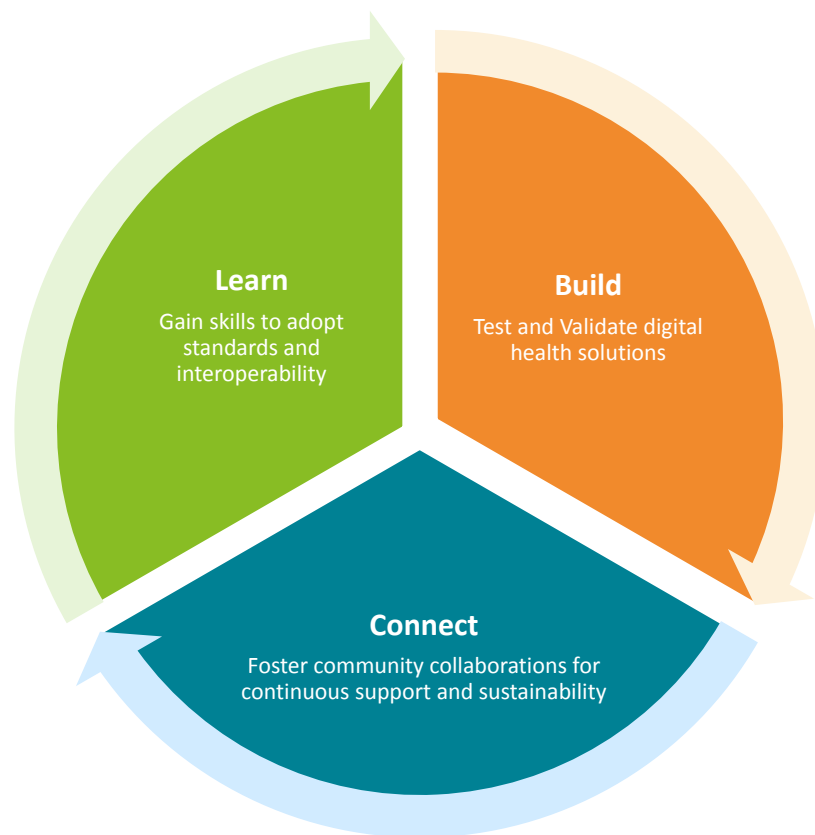
For life-long learning opportunities and micro-credentialing with universities

Industry Collaborations

Technical support and guidance from international experts

Regional Knowledge Exchange Network

For regional collaboration, lessons learned and shared best practices



Sandbox

For advocacy, learning and testing

Developer tools

To reduce barriers to entry

Synthetic data development

For real-world public health use cases

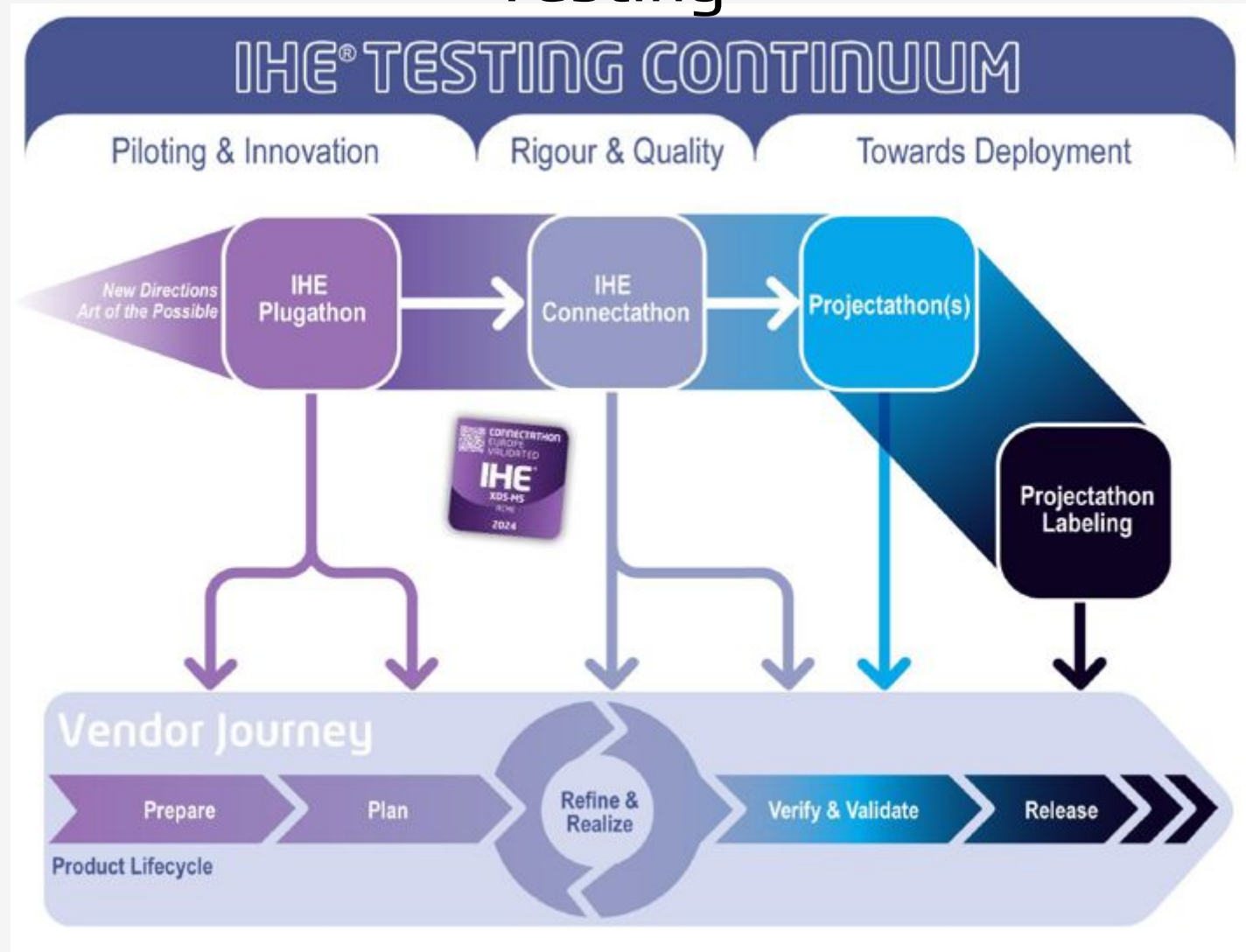
Community of Practice

For on-going learning, support and collaborations

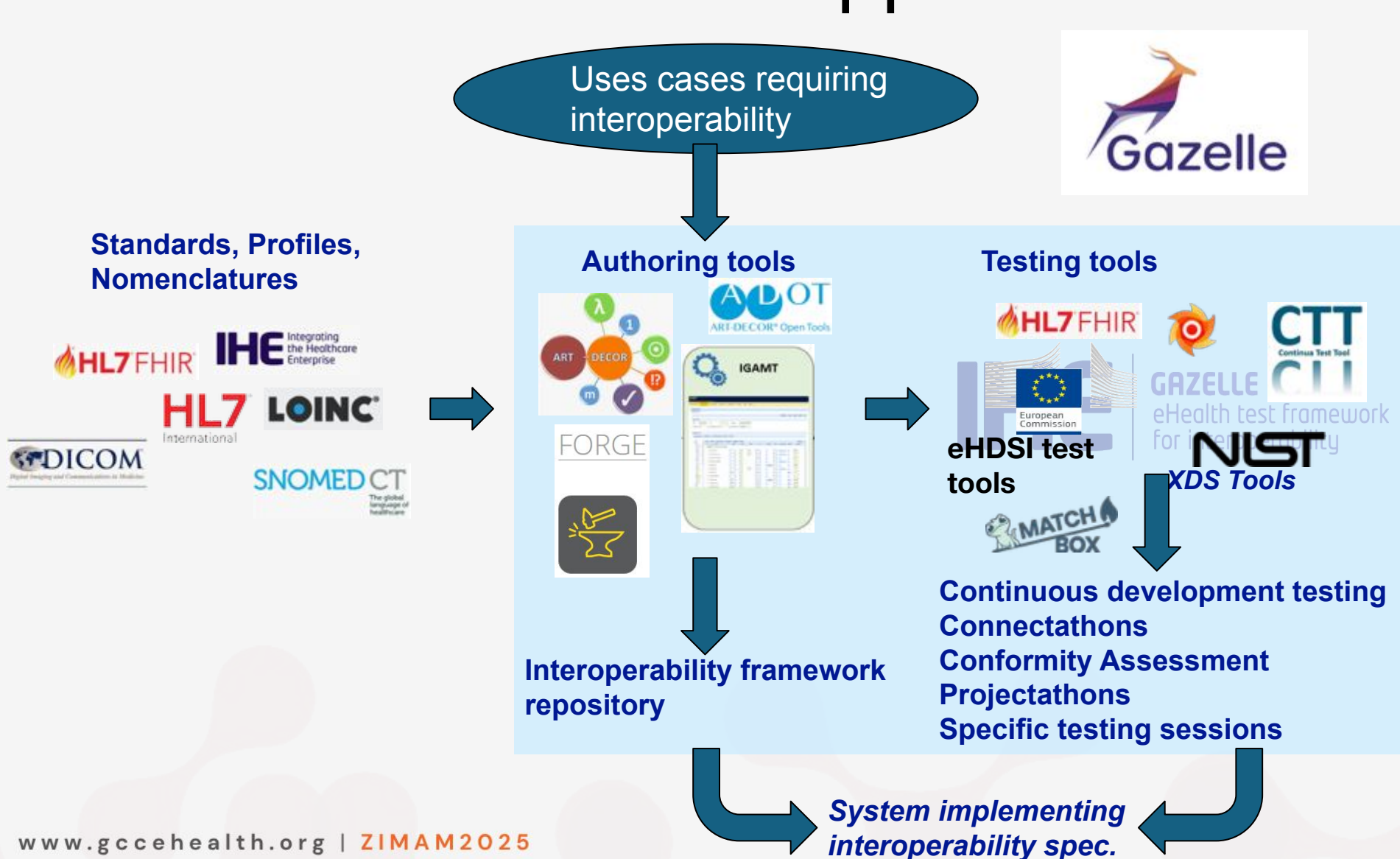
Community events

Locally-led Workshops, bootcamps and connectathons

Injecting IHE for Scenario-based specification & Compliance Testing



A Proposed Combined Approach





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Want to learn
more?
Join us on
November 7 & 8,
2025 in our
interactive session

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Zimam
Developing Careers
in Digital Health

IHE CATALYST

HL7
International

IQVIA

INTEROPERABILITY & HL7 FHIR MASTER CLASS + IPS HIE PLUGATHON

SPEAKERS:



ALEXANDER BERLER
Strategic Business
Development Director,
IHE Catalyst



**JÜRGEN
BRANDSTÄTTER**
Global Standards
Director,
IHE Catalyst



DIEGO KAMINKER
Deputy Standards
Chief Implementation
Officer,
HL7 International



MONIEF EID
eHealth and Enterprise
Imaging Senior Consultant,
Ministry of Health
Saudi Arabia



OSAMA ELHASSAN
Chair,
ZIMAM



DR. CARL LEITNER
Technical Officer,
WHO



DONALD SWEETE
Chief Executive
Officer,
SNOMED
International



ISAAC VETTER
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Team Lead,
Epic



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Solutions,
IQVIA



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Transformation Expert,
IQVIA



SOULEYMANE THIAM
Gazelle Team Expert,
IHE Catalyst
(KEREVAL)



DR. KORAY ATALAG
Honorary Academic
Auckland
Bioengineering
Institute

Thank you!

**Dr Osama Elhassan Dr Alexander Berler Dr Michael
Lowley**

