Sparked

HL7 FHIR

Igniting a revolution – improving healthcare by defining core data to enable interoperability

Building a national accelerator program for interoperability with a collaborative community through an open, transparent process

What is Sparked?

Sparked is Australia's first FHIR accelerator, an open standards community enhancing interoperability within the Australian healthcare system.
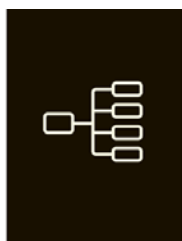
By defining data and interoperability standards with an open, collaborative community, Sparked is improving health data access and flow for optimised healthcare delivery.

CSIRO's Australian e-Health Research Centre (AEHRC) leads as the FHIR community coordinator in partnership with the Department of Health and Aged Care (DoHAC), the Australian Digital Health Agency (ADHA), and HL7 Australia (HL7 AU).

The Sparked program is a community-driven collaboration comprising government, technology and software industry partners, provider organisations, clinical and industry peak bodies, healthcare practitioners, and domain experts.

The Accelerator creates nationally standardised clinical data models, terminology value sets, and FHIR implementation guides supporting consistent health information sharing. The community votes on these, and throughout the process, implementors test and pilot these technical specifications, informing reference implementations.

Australian Data for Interoperability	Clinical Terminology Value Sets	FHIR Implementation Guides	Testing & Piloting of FHIR Standards	Reference Implementations & Testing Service
• AU CDI • eRequest DI	• SNOMED CT and LOINC Value sets • RANZCR • RCPA	• AU Core • AU eRequesting	• Testing and Piloting of FHIR Standards, supported by infrastructure & tooling	• Services that support implementation and testing of FHIR based applications

Our goals

Build a community to accelerate the adoption of health interoperability standards in Australia

Create standard specifications for software companies to easily, consistently and securely share health data

Enable a patient-centred ecosystem toward better access and control over their health information

Using an open and transparent standards development approach, the Sparked community co-designs and validates nationally agreed health data and interoperability standards.

This community-centric and consensus-driven approach will ensure that standards are driven by community needs and are more readily understood, adopted, and implemented.

Adopting data and interoperability standards in healthcare leads to recording data once to support multiple uses. Benefits include:

- The seamless exchange of health information between clinical systems
- Standardised data queries and consistent results
- Safe data extraction, aggregation, and analytics
- Standardised decision support tools
- A library of information models for faster system development
- Better patient access and control over health information.

Sparked your interest? Join the community!

Register for the Design Groups to get involved here:

sparked.csiro.au

Design groups are open to everyone interested in better health data sharing – consumers, software developers, clinicians, and domain experts.