



Australia's National
Science Agency

Questionnaire Track Overview

FHIR in Queensland Health Connectathon | Oct 2025



Forms in Healthcare

- Forms are found everywhere in Healthcare e.g.
 - Patient registration form
 - Medical history form
 - Consent form
 - Prescription/Referrals
 - Billing and Claims
- Forms are a user-friendly mechanism to capture data consistently
- A lot of the time they are paper-based!

FHIR Questionnaires and SDC

- Standards-based way to represent forms and surveys in healthcare
- **Structured Data Capture (SDC)** enhances the base Questionnaire resource with extra functionality:
 - Pre-population
 - Extraction and write-back
 - Advanced rendering e.g. markdown, HTML
 - Input validation
 - Calculations
- Results are communicated using **QuestionnaireResponse** resource

Why FHIR Questionnaires and SDC?

- Excerpt lifted from <https://hl7.org/fhir/uv/sdc/>:

Using this standard, form designers can create better designed, more efficient, and consistent questionnaires. Healthcare providers and patients can complete forms more easily, with less repetitive data entry. Healthcare systems can process and use the form data more effectively.

By standardizing these processes, the healthcare industry can move towards more streamlined data collection and improved information sharing, potentially leading to better coordinated care and outcomes for patients.

Some examples...

Who is filling in the form	Who is using the information	Example
Patient	QH Clinician	Pre-surgery assessment questionnaire QoL assessment to CKD patients
QH Clinician	External service provider	Nutritional supplement orders to external service providers
External Health Care Provider	QH Clinician	Pressure garment ordering from external health care providers
QH Clinical Researcher/Vendors	QH Research Office	Initial Clinical Trial Feasibility

Track Goals and Learning Outcomes

Learning Outcomes

- Explore example implementations of Questionnaires and SDC
- Explore Smart Forms solution architecture
- Explore SDC-related concepts like SMART App Launch and FHIRPath

Track Goals

- Hands on building of a FHIR SDC Questionnaire
- Explore and build out potential QH use cases where FHIR Questionnaires can add value

Track Information

<https://go.csiro.au/FwLink/fiqh-track2>

Access to:

- chat.fhir.org stream for collaboration
- Specification information
- Testing tools/resources
- Testing scenarios

