



# Enhance healthcare assessments with superior data quality using SMART on FHIR

We're improving consumer and clinician experience through implementation of standardised FHIR based 'Smart Forms': Aboriginal and Torres Strait Islander Health Check

## The challenge

Building on the Australian Government Department of Health funded Primary Care Data Quality Foundations Program, CSIRO was further commissioned to develop a FHIR implementation guide and reference implementation for a 'Smart Form' implementation of the Aboriginal and Torres Strait Islander health check.

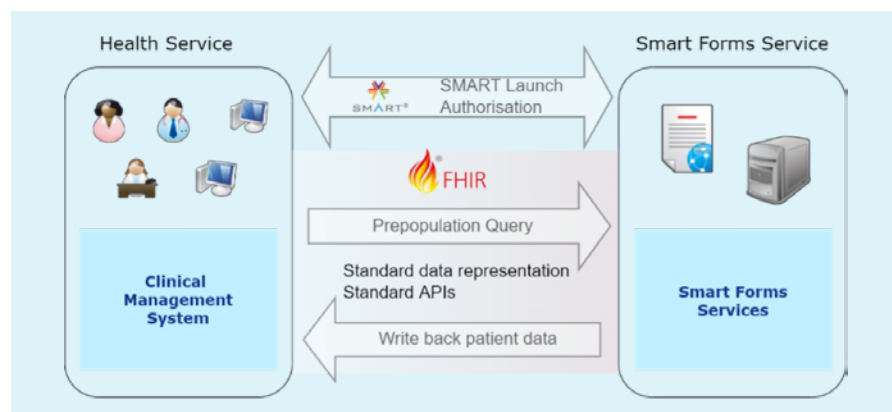
The goal was to improve data reuse for clinicians, support increased consumer engagement, care team collaboration, and embedded decision support and screening tools.

## Our response

A web-based single-page generic forms application, built implementing the HL7 FHIR specification as a reference implementation that can:

- launch from within a primary care clinical management system using SMART app launch
- retrieve a form definition from the Smart Forms Server and render the form for completion during a health check consultation

- support the pre-population of a form by retrieving patient data from the clinical management system and executing pre-population queries
- provide a completed (or partially completed) QuestionnaireResponse to a clinical management system
- retrieve completed (or partially completed) QuestionnaireResponse from a clinical management system for continuation and/or display.



The web-based single-page generic forms application workflow

## Further information

**Smart Forms Application**  
[smartforms.csiro.au](http://smartforms.csiro.au)

**Smart Forms clinical system simulator**  
[ehr.smartforms.io](http://ehr.smartforms.io)

**Smart Forms FHIR Implementation Guide**  
[smartforms.csiro.au/ig](http://smartforms.csiro.au/ig)

