Questionnaire Viewer

A module that displays Questionnaire resource instances from a number of perspectives

This documentation is under development and may not completely match the application

Select a Questionnaire

The are 3 ways to select a Questionnaire (Q)

- Retrieve from the Library
- Retrieve from an external Forms Manager
- Upload an ad-hoc Q

Library

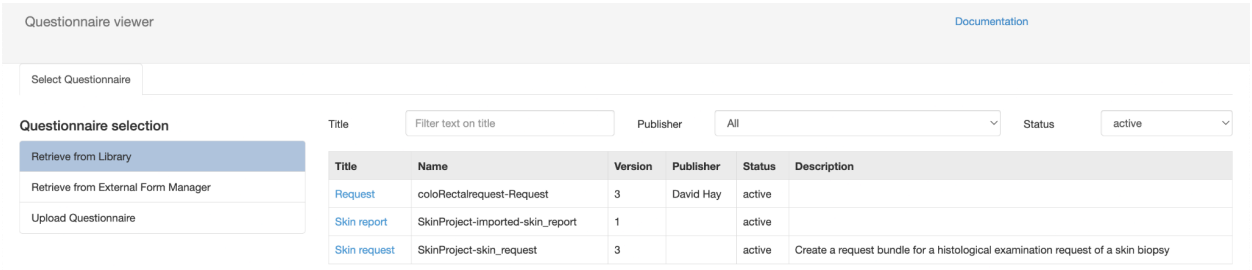
This is a collection of Q from a couple of sources:

- Published by the Forms designer
- Saved from an uploaded Q

Publishing is not further considered here (still working through some of the details)

The library presents a list of Questionnaires that can be filtered by title, publisher and/or status.

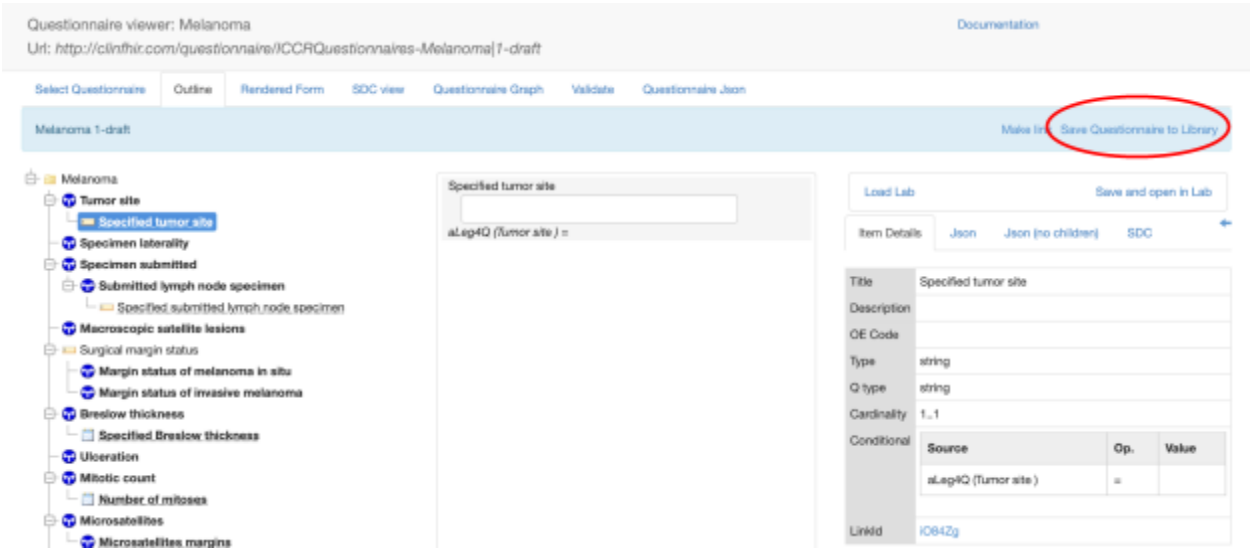
Note that the default status is active.



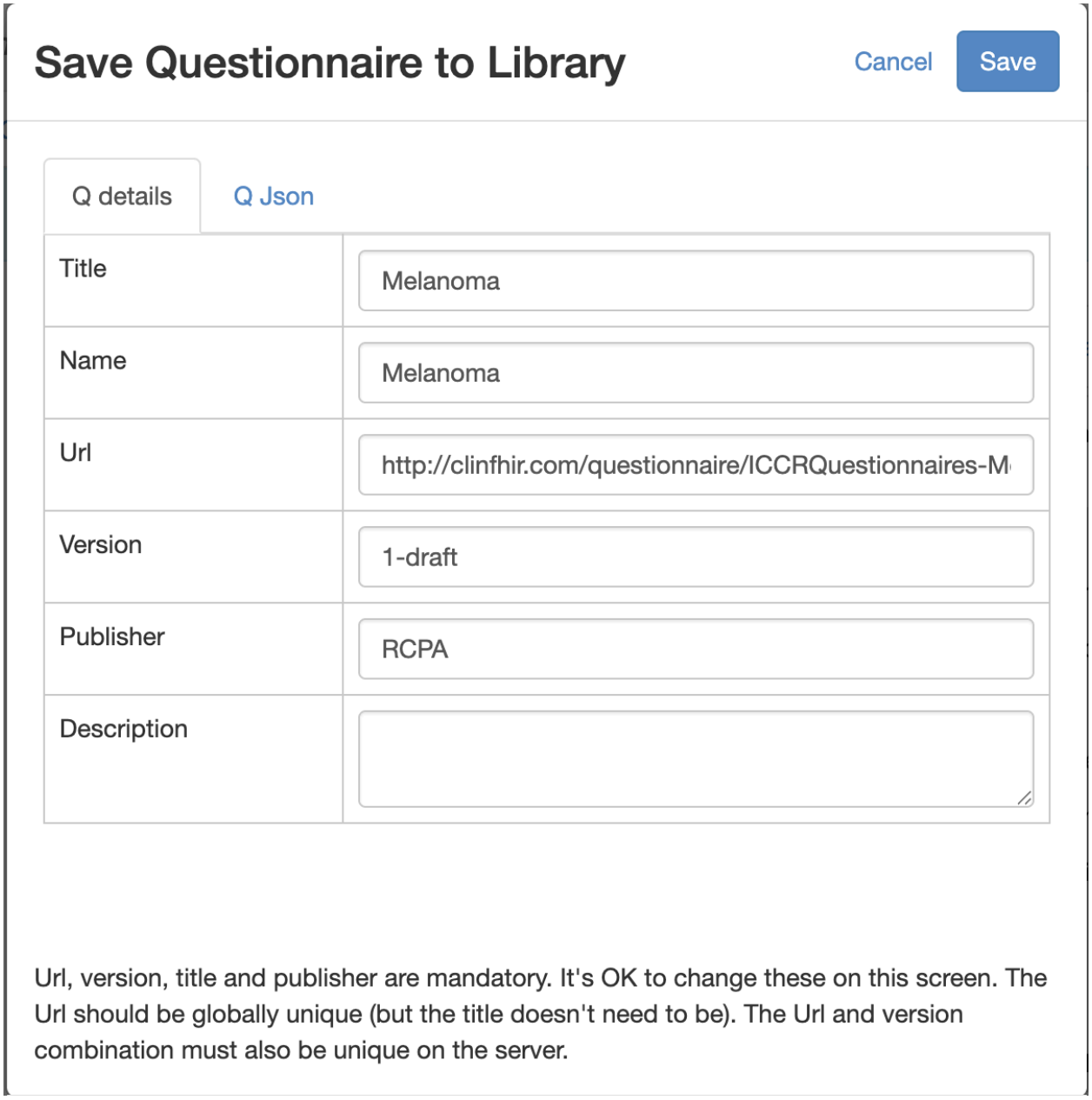
Save a Q to the library

To save a Q to the library, first upload it (using the upload option - 3rd option above) and parse it to view in the outline view. Then, click the ‘Save Questionnaire to Library’ link, update the metadata and save. It will then be available from the Library.

Note that the Q status is not changed when saved to the library, so if it is not initially visible in the library list you may need to change the status to view or re-load the browser.



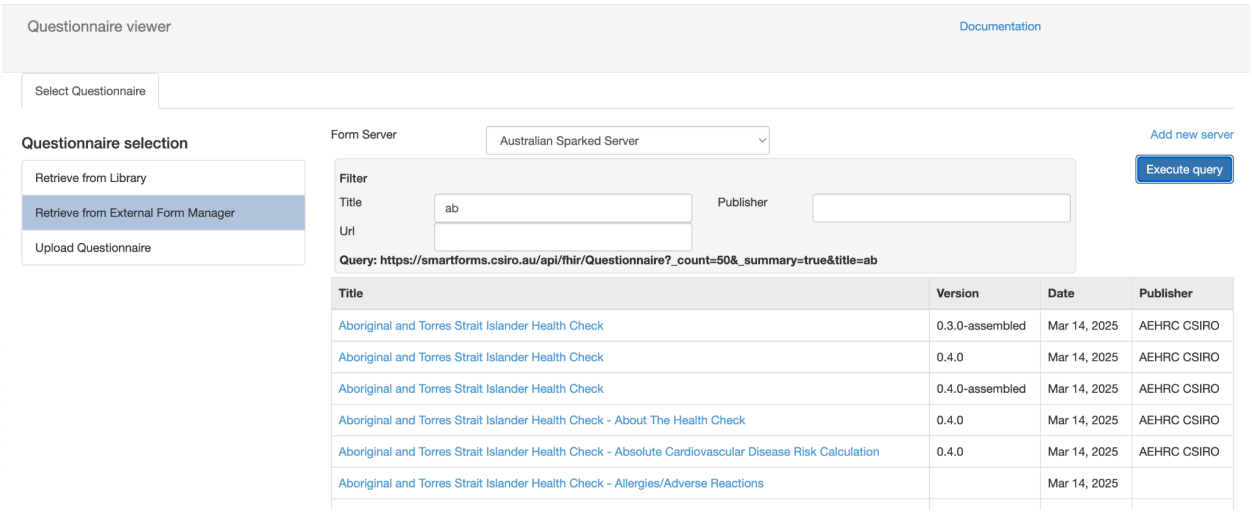
Metadata.



External Forms Manager

A FHIR server that stores Questionnaires and provides a REST APi to access them. Loosely aligns with the SDC Form Manager role.

Select the server then query for the Q you want (the query is limited to a max of 50). You can add new Form Servers which are stored in the browser cache.



Upload ad-hoc Questionnaire

Paste the Json representation of the Q into the viewer and click parse. The Q will be parsed and displayed in the viewer. As noted above, it can be added to the Library if desired

View a Questionnaire

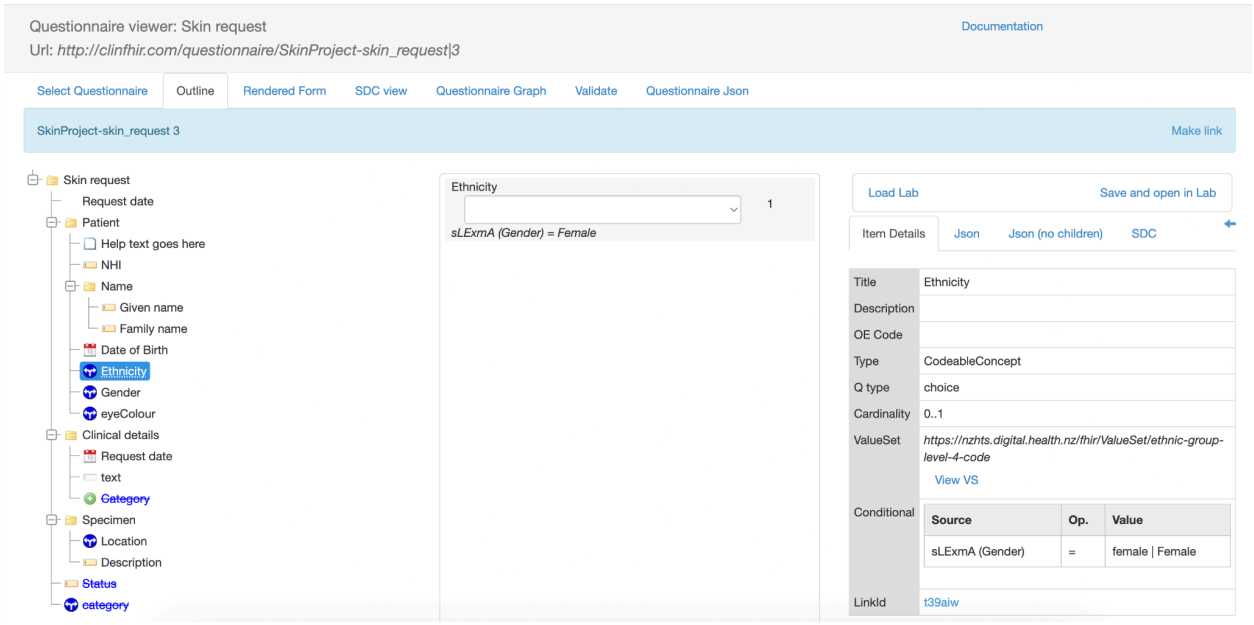
Once a questionnaire has been selected, the view tabs are enabled. (You can select a different Q by returning to the ‘Select Questionnaire’ tab).

Outline

This view has 3 panes.

In the left pane is a tree view of the Q.

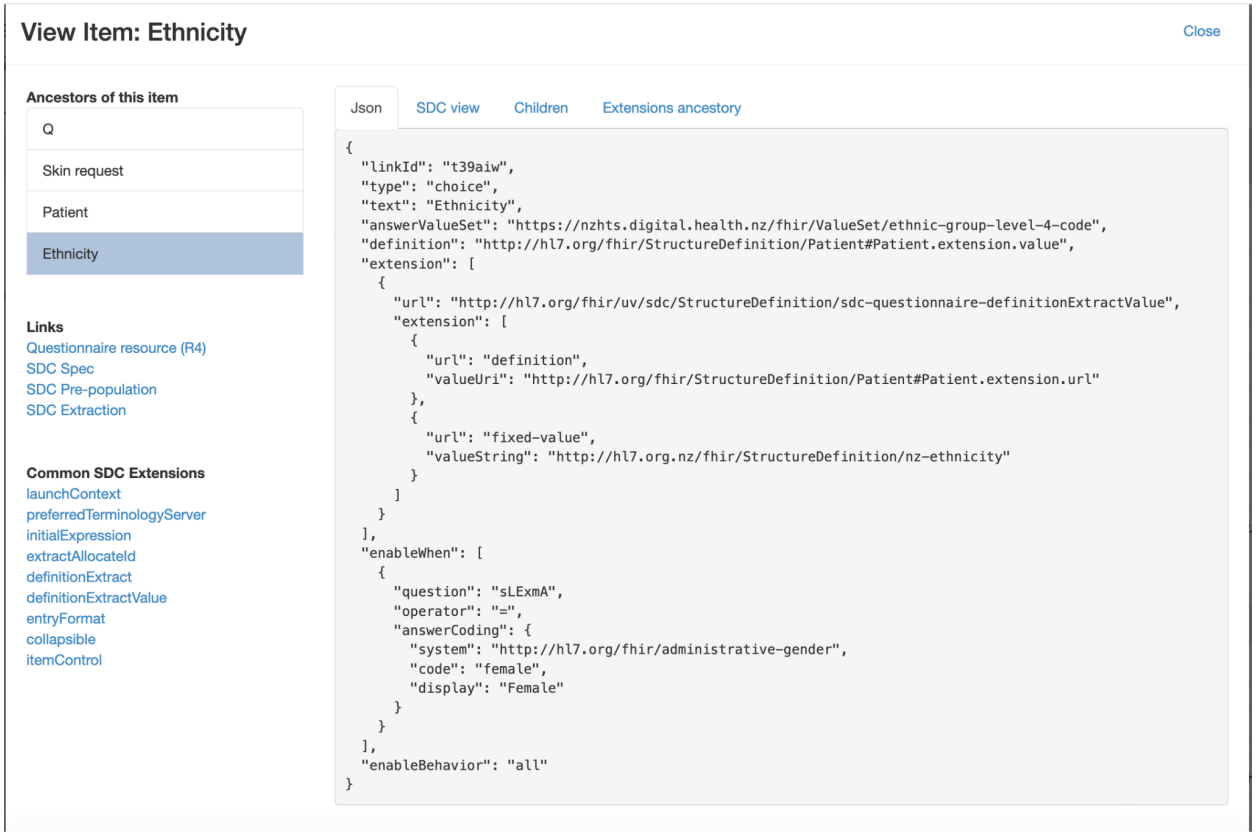
Selecting a node will display a ‘mini rendered’ view of that element and any children in the middle pane and details of the selected node on the right..



There are a couple of links at the top of the right pane

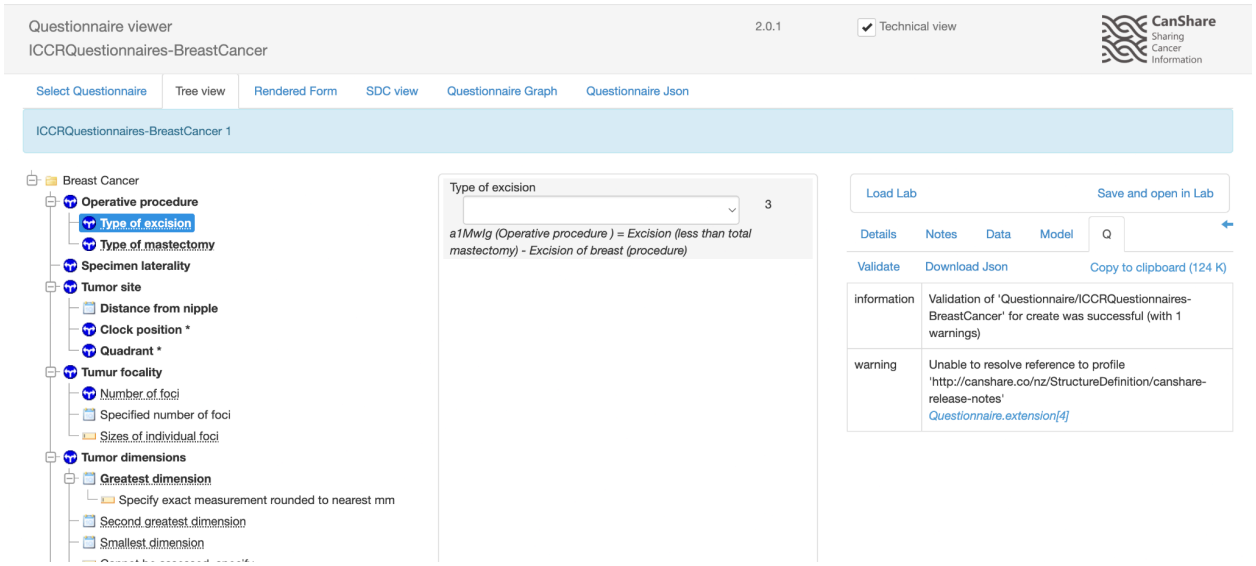
- Save and open in Lab will save the Q to the Fhirpath lab, and then load the Lab with that Q. The Lab will validate the Q and will only display it if it is valid - otherwise you will get an error message and the Lab will not load.
- Load lab loads the most recent version of the Q that has been saved to the lab using the ‘save and open’ link. This was added as some browsers (eg Brave) prevent the Lab from opening.

Clicking on the LinkId will display a modal dialog showing the selected item. The image below shows the json contents, other tabs are useful when debugging SDC extensions - especially the Extensions ancestry which shows all extensions (and definition values) for the selected item and it’s ancestry. Very useful for determining what is in context at a point in time.



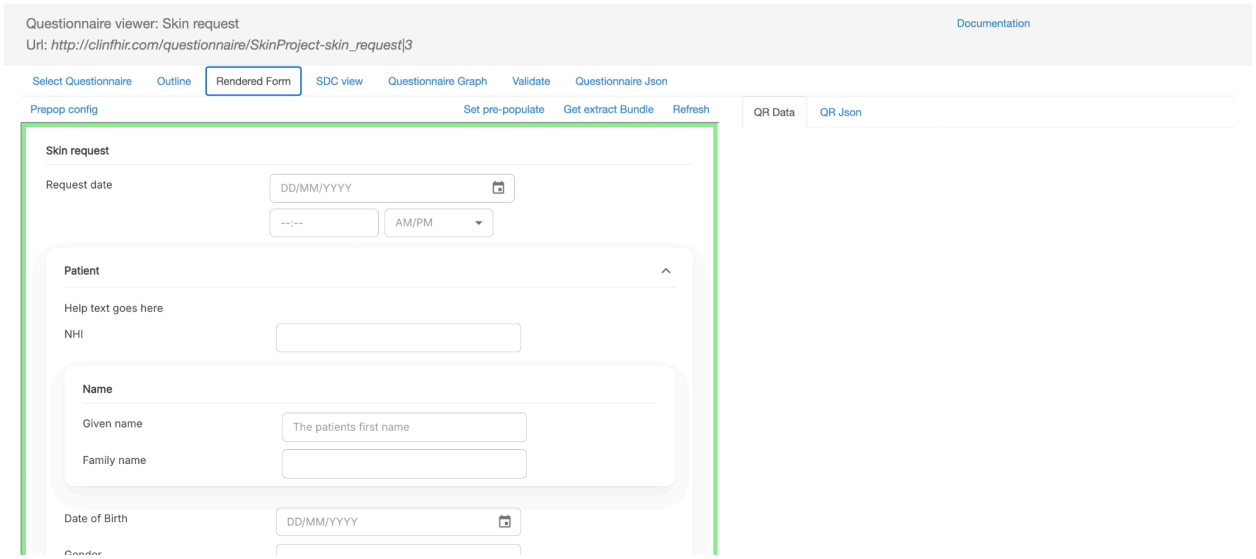
Below the links are a set of tabs

- **Details** has some of the key details for the selected note (ie Q.item)
- **Notes** is used when using the app for reviewing. This is not further described here.
- **Data** shows data entered in the middle pane. It's not that useful…
- Model shows the Q.item element - with and without child items. The ED tab can be ignored
- The Q tab shows the whole Questionnaire (npt just the selected element). It has a 'Validate' link that will cause the Q to be sent to the lab for validation and shows the Operation Outcome resource that is returned.



Rendered Form

This uses the Fhirpath lab to render the Q and display it in the page (technically it's in an iframe and uses the [SMART web messaging standard] to communicate between clinFHIR & [Fhirpath lab] which uses the CSIRO renderer to render the form).



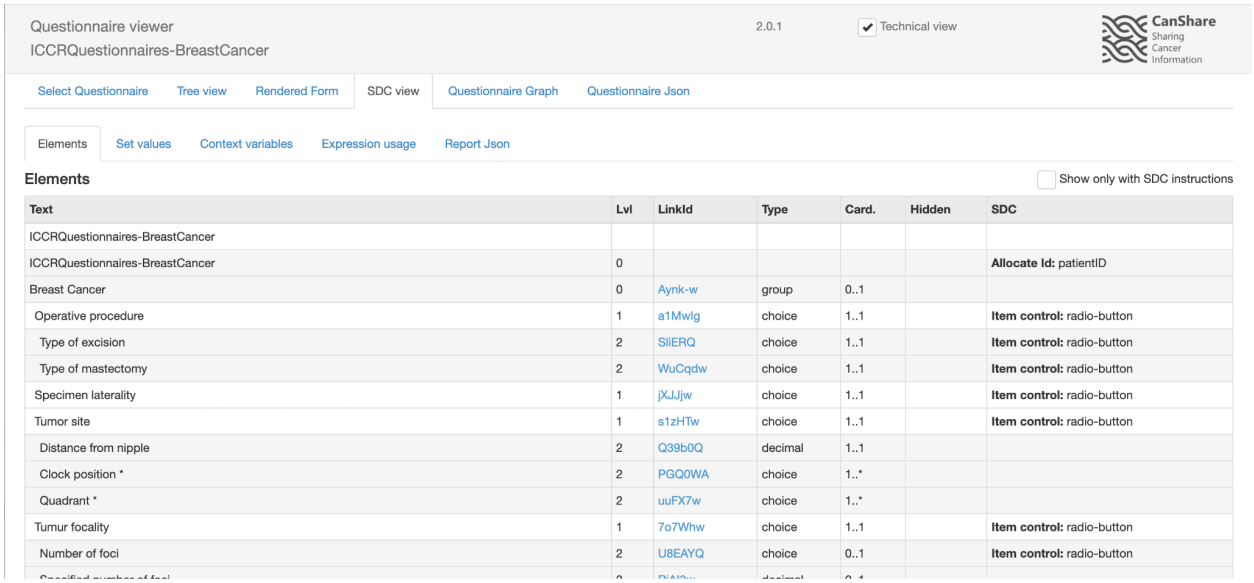
Generally the view will auto-populate, however you can use the 'refresh' link just above the iframe to - well - refresh the view.

There are 2 other links above the iframe.

Set prepopulate executes the SDC expression based pre-population. A sample patient and practitioner is supplied - these can be altered usin the ‘Prepop config’ link above the iframe on the left.

SDC view

This tab shows a number of views that relate to SDC operations against the Q.



Text	Lvl	LinkId	Type	Card.	Hidden	SDC
ICCRQuestionnaires-BreastCancer						
ICCRQuestionnaires-BreastCancer	0					**Allocate Id:** patientID
Breast Cancer	0	Aynk-w	group	0..1		
Operative procedure	1	a1Mwlg	choice	1..1		**Item control:** radio-button
Type of excision	2	SliERQ	choice	1..1		**Item control:** radio-button
Type of mastectomy	2	WuCqdw	choice	1..1		**Item control:** radio-button
Specimen laterality	1	jXJJjw	choice	1..1		**Item control:** radio-button
Tumor site	1	s1zHTw	choice	1..1		**Item control:** radio-button
Distance from nipple	2	Q39b0Q	decimal	1..1		
Clock position *	2	PGQ0WA	choice	1..*		
Quadrant *	2	uuFX7w	choice	1..*		
Tumur focality	1	7o7Whw	choice	1..1		**Item control:** radio-button
Number of foci	2	U8EAYQ	choice	0..1		**Item control:** radio-button

Of particular use to the SDC author is the ‘View item’ dialog that is displayed when the linkId is clicked.



This shows the Json of the selected item (plus a couple of detailed tabs) and all of its parents up to the Questionnaire root.

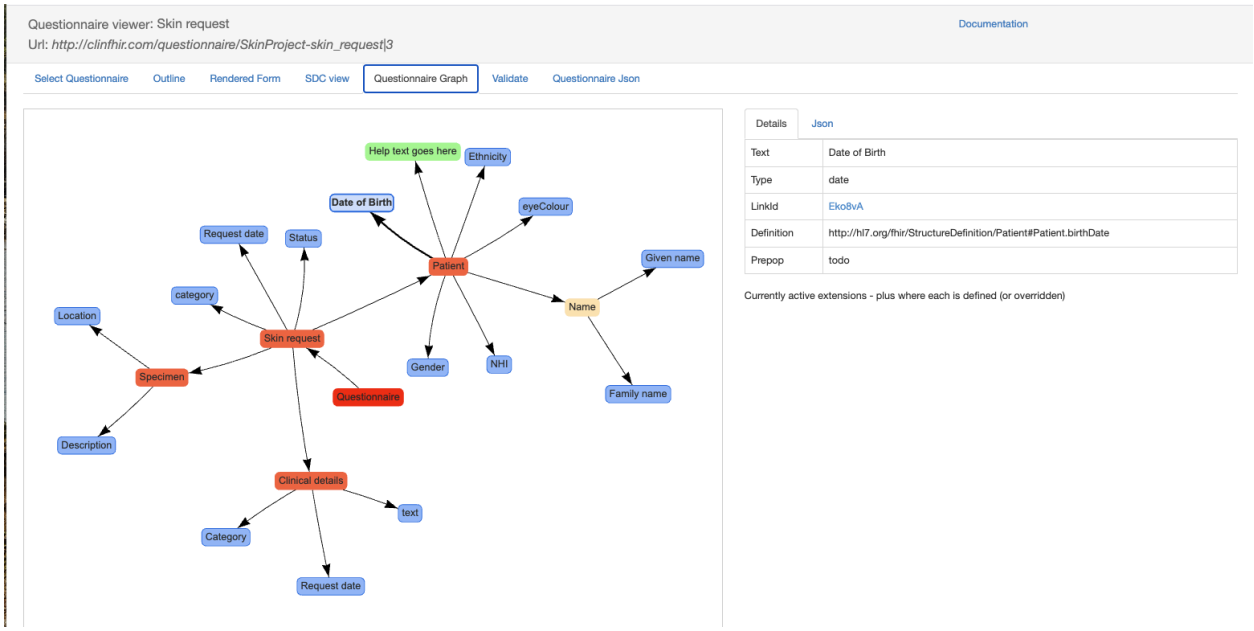
It is useful as in SDC there is the concept of context where extensions on an item ‘propagate’ down the hierarchy through the child items, and this view allows you to easily ‘step up’ through the hierarchy to see what SDC extensions could be affecting behaviour of this item.

Validate

This performs validation using the Fhirpath lab validator. This validation has some SDC smarts.

Questionnaire Graph

This shows the Questionnaire as a graph of linked items.



It’s not that useful at present (though it is kinda pretty).

Questionnaire Json

The raw Json of the Questionnaire

AI integration

An option from the ‘select Q’ tab

- if invoked have AI Assistant button in the navbar

Same conversational as bundle creator
specialized for Q - eg select linkId from dropdown and

- ask for changes -
- add a child
- or allow direct edit
- remove the item
- move the item
    - perhaps a manual move as well

copy QR to clipboard / download