Clinicians on FHIR

Notes for clinFHIR

Location

To start clinFHIR

http://107.170.196.80/resourceCreator.html

Or

http://clinfhir.com/

then select the updated 'Resource Builder' from the link

Basic functions

- Create resource instance from profile
  - Can be a base type or a profiled type
- View resources for a patient
- Create simple profiles
- Limitations
  - Doesn't handle complex extensions (yet)

First time

Getting Started
To create a new resource you need to select both a patient and a profile to base the resource on. Once that has been done, the 'New Resource' button will appear in top right corner, and clicking that will display the Resiurce Builder page.

The Patient is selected by clicking the 'Select Patient' link in the "My recent Patients" column. The dialog that appears will allow you to either select an existing patient or create a new one (optionally creating some demo data for them). After selection, the patient will appear in the list below, from where it can be directly selected.

The 'Profile' is what the resource you create will be based on. This includes both 'core' results (like CarePlan) and additional profiles that alter the base one. Select one by clicking the 'Find Profile' link in the 'My recent profiles' column below. After selection, the profile will appear in the list below, from where it can be directly selected.

Click to dismiss

My recent patients   Select Patient
Local HAPI STU3   Test

My recent profiles   Find Profile or Base Type
Grahame STU3 server   Test

System Configuration
Terminology Server
http://fhir3.healthintersections.com.au/open/

1. Select patient
– Select server
  • Grahame or HAPI (v3)
– Can create new
  • (with samples)

2. Select profile
– Select server
  • Grahame or HAPI (v3)
– Base Type or Profile

3. Click 'New Resource' button
• Upper right
• Only appears when patient & profile selected

Subsequent times

- Can select patients and profiles from history lists
- 'New Resource' button (upper right) appears when a patient and profile is selected
  - Click to create resource

Creating a resource

- Similar to previous version when adding elements
- Navigator to display 'child' nodes
- Park current resource button is top right
  - Restore from link top middle that appears
  - Can restore from front screen too
- Validate resource link top right
  - Very helpful
  - Can be wrong – try saving if you think you're right

- Patient and profile shown upper left

Resource Builder screen

Resource Creator

Patient: Asher Green (2713) Details
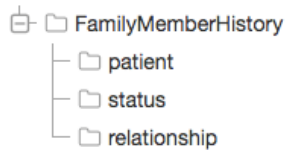**Profile:** StructureDefinition/FamilyMemberHistory

Validate   Park   Save   Close

Resource Navigator

- FamilyMemberHistory
  - patient
  - status
  - relationship

Element Details: *FamilyMemberHistory*

Child Elements

identifier	0..*	Identifier
patient	1..1	-> Patient
date	0..1	dateTime
status	1..1	code
name	0..1	string
relationship	1..1	CodeableConcept
gender	0..1	code
born[x]	0..1	Period
		date
		string
age[x]	0..1	-> Age
		Range
		string
deceased[x]	0..1	boolean
		-> Age
		Range
		date
		string
note	0..1	Annotation
condition	0..*	BackboneElement

Resource: Json

Data Entry   Selected Element

```
{
  "resourceType": "FamilyMemberHistory",
  "patient": {
    "reference": "Patient/2713",
    "display": "Asher Green"
  },
  "status": "completed",
  "relationship": {
    "coding": [
      {
        "system": "http://hl7.org/fhir/v3/RoleCode",
        "code": "MTHFOST",
        "display": "foster mother"
      }
    ],
    "text": "foster mother"
  }
}
```

View resources

- 'Details' link by patient (upper left)
- Similar to previous
  - Slight UI re-arrangement
  - No XML
- Click 'New Resource' button (upper right)
  - to return to edit screen
- Click 'Front' button (upper right)
  - Returns to front page

View resources screen

Creating a profile

- Click on the 'eye' in left side of the list of profiles
  - This will be your base type
  - Can edit existing profile
    - Only edit profiles you create!
- Click on 'new profile' and enter name
- You can:
  - Remove a node
  - Change multiplicity & ValueSet for a node
  - Add a new node (extension)
    - Including reference, but can't specify type
- Save & create resource

Profile Builder screen

Gotcha's

- Navigator sometimes has 2 nodes selected
  - Click the one you want
- If the navigator is replaced by an endless spinner (sometimes after deleting a node)
  - You're toast. Start again. Sorry.
- Re-load page if want to create multiple profiles
  - Seems to get stuck on the previous one created
- If weird stuff happens
  - Re-load page
  - Ask David
  - Cry