Clinfhir.com

Please see David Hay’s blog for more details –

<https://fhirblog.com/2017/01/09/building-a-set-of-resources-in-fhir/>

<https://fhirblog.com/2017/01/09/simple-builder-library-and-documents/>

Servers used:

Machine generated alternative text:
Conformance server: Grahame STU3 server 
Data saver: Public HAPI STU3 

Log into clinFhir and click on the Gear

Machine generated alternative text:
clinFHlR 
Data Server 
Patient: use 'Select Patient' link to tind patient 
Profile: use Find Profile link to load a profile 
C* 
Select Patient 
Test 
Conformance Server 
Graname STIJ3 server 
nttp://h17.org/thir/StructureDetinition/CarePlan 
nttp://h17.org/thir/StructureDetinition/CareTeam 
nttp://h17.org/thir/StructureDetinition/Communication 
Find Profile or Base Type 
Test 
HAP' STU3 server 
Ayla Green female 1973-05-24 
Peter Jones male 1972-05-15 
Scarlett Arson female 1968-10-15 
Jordan Green male 1970-01-11 
System Configuration 
Terminology Server 
Granames STIJ3 Server 
O 
Public HAPI STU3 server 
O 
Ontoserver 
O Local HAP' STU3 

Click on simple builder - will load a new browser page

Click on New set and add Name and description

Save it

Machine generated alternative text:
Builder 
Local Sets 
medication list 
med list 
Conformance server: Grahame STU3 server 
Data server: Public HAPI STU3 
Graph 
STU version: 3 
Rmrce 
Save to Library 
View Library 
All resources 
Set Summary 

Machine generated alternative text:
Builder 
Local Sets 
care plan play 
Contormance server: Graname STU3 server 
Data server: Public HAPI STIJ3 server 
Create new set 
Na me 
Name ot Set, no spaces 
Description 
Cancel 
New Set 
Save 
Resource Summary 
All resources 
TYPE 
CarePlan 
Condition 
Goal 
Patient 
Subscription 
Set Sum 
Text 
Learnin 
Learn C 
Mary Ja 
Subscri 
Resource Json 
Emma play care plan 
Document 
Learning deficit 
HAP/ STU3 server 
ef context[x] 
O onset[x] 
O abatement[x] 

**To create resources** - Click on add resource and select a resource from the dropdown

Machine generated alternative text:
Builder 
Local Sets 
care plan play 
Contormance server: Graname STIJ3 server 
Data server: Public HAP' STIJ3 server 
New Set 
Graph 
STU version: 3 
Add Resource 
All resources 
CarePlan 
Condition 
Goal 
Patient 
Subscription 
Set Summary 
Text 
Emma play care plan 
Document 
Learning deficit 
Learn Clit-lFhir ASAP 
Mary Jane Jones 
Subscribe to updatesreason: Need updated stutt 

Machine generated alternative text:
Builder 
Local Sets 
care plan play 
Contormance server: Graname STIJ3 server 
Data server: Public HAPI STIJ3 server 
STU version: 3 
Graph 
Save to Library 
View Library 
Add new Resource 
Resource Type: 
C* 
New Set 
All resources 
CarePlan 
Goal 
Patient 
Subscription 
Set Summary 
Text 
Emma play care plan 
Document 
Learn Clit-lFhir ASAP 
Mary Jane Jones 
Subscribe to updatesreason: Need updated stutt 

Add text and then click on Add. Create all the resources you plan on linking together.

Machine generated alternative text:
Builder 
Local Sets 
care plan play 
Contormance server: Graname STIJ3 server 
Data server: Public HAPI STIJ3 server 
STU version: 3 
New Set 
All resources 
CarePlan 
Goal 
Patient 
Subscription 
Set Summary 
Text 
Graph 
Emma play care plan 
Document 
Save to Library 
View Library 
Add new Resource 
Resource Type: 
New resource instance 
Text 
Condition 
About this resource type 
Learn Clit-lFhir ASAP 
Mary Jane Jones 
Subscribe to updatesreason: Need updated stutt 
Cancel 
C* 
Add 

Click on the All Resources tab to see the created list of resources

Select a resource to show the resource details (Structure & Reference; Resource Summary and Resource Json tabs on right)

**To link resources together** - Click on the resource in the list (the resource attributes will display on the Structure & Reference tab). Select the resource to link. The selected resource will display under Potential References - click on the + to link it

Machine generated alternative text:
Builder 
Local Sets 
care plan play 
Contormance server: Graname STIJ3 server 
Data server: Public HAPI STIJ3 server 
STU 
version: 3 
Graph 
Save to Library 
View Library 
Structure & Reterence 
Condition 
C* 
New Set 
All resources 
CarePlan 
Condition 
Goal 
Patient 
Subscription 
Set Summary 
Text 
Add Resource 
Resource Summary 
Resource Json 
Emma play care plan 
Document 
Learning deficit 
Learn Clit-lFhir ASAP 
Mary Jane Jones 
Subscribe to updatesreason: Need updated stutt 
O 
o 
O 
O 
O 
identifier 
clinicalStatus 
verificationstatus 
category 
severity 
code 
bodySite 
subject[x] 
Learning deficit 
Condition.subject 
Current Value 
DataType/s 
Patient 
Group 
Potential Reterences 
context[x] 
O onset[x] 
O abatement[x] 
assertedDate 
asserter[x] 
b stage 
evidence 
o 
note 
Patient 
Potential resources 
Mary Jane Jones 
Indicates the patient or group who the condition record 
is associated with. 

Click on graph tab to show linkages. If more linking is needed, can select the resource in the graph area to display the Structure & Reference. Select a resource to link.

Machine generated alternative text:
Local Sets 
medication list 
med list 
New Set 
All rßources 
Set Summary 
Graph 
sub 
Rmrce 
Med list 
MedicationStaternent 
Structure & Reference 
status 
title 
subject[xl 
encounter 
date 
sourcelxl 
orderedBy 
note • 
O flag 
CD emptyReason 
Resource Surnmary 
Resource Json 
Med list 
List.entry.item 
MedicationStatement 
DataType/s 
Resource 
Potential References 
MedicationStatement 
Patient 
Potential resources 
Med list 
John Doe 
A reference to the actual resource from which data was 
derived. 

To undo the linkages, select the resource you want to unlink from (from the All resource list or from the graph display), select the resource you want to unlink and click on the X

Machine generated alternative text:
Builder 
Local Sets 
care plan play 
Contormance server: Graname STIJ3 server 
Data server: Public HAPI STIJ3 server 
STU 
version: 3 
Save to Library 
View Library 
Structure & Reterence 
CarePlan 
O 
identifier 
status 
o 
category 
description 
subject[x] 
context[x] 
o 
period 
CD modified 
author 
careTeam • 
addresses 
support • 
detinition[x] 
ta relatedPlan 
goal • 
activity 
o 
note 
C* 
New Set 
All resources 
Set Summary 
subject 
sub- 
Grapn 
su •ct 
Add Resource 
Resource Summary 
Emma play care plan 
Document 
Resource Json 
CarePlan.goal 
Current Value 
DataType/s 
Goal 
Potential Reterences 
Potential resources 
Describes the intended objective(s) ot carrying out the 
care plan. Goal can be achieving a particular change or 
merely maintaining a current state or even slowing a 
decline. 

To add a code - select code, then codeableConcept.

Machine generated alternative text:
Builder 
Local Sets 
care plan play 
Contormance server: Graname STIJ3 server 
Data server: Public HAP' STIJ3 server 
Graph 
STU version: 3 
Add Resource 
Save to Library 
View Library 
Structure & Reterence 
Condition 
o 
identifier 
clinicalStatus 
verificationstatus 
o 
category 
O 
sever 
C code 
O 
body Site 
subject[x] 
context[x] 
O onset[x] 
O abatement[x] 
assertedDate 
asserter[x] 
b stage 
evidence 
o 
note 
C* 
New Set 
All resources 
CarePlan 
CareTeam 
Condition 
Goal 
Patient 
Subscription 
Set Summary 
Text 
Resource Summary 
Resource Json 
Emma play care plan 
Document 
Emma Care Plan team 
Learning deticitcode: Learning difficulties 
Learn Clit-lFhir ASAP 
Mary Jane Jones 
Subscribe to updatesreason: Need updated stutt 
Learning deticitcode: Learning difficulties 
Condition.code 
DataT 
CodeableConcept 
ValueSet Binding (example) 
Identification ot the condition, problem or diagnosis. 

A search diaglogue will open. Search for the code, select code displayName and save. Can add text value if no code

Machine generated alternative text:
Builder 
Local Sets 
care plan play 
Contormance server: Gra 
Data server: Public HAPI 
Cancel 
New Set 
All r 
TYPE 
Care 
Care 
Cond- 
Goal 
Add CodeableConcept property to Condition.code 
condition-code (minimum 3 characters) 
Text value it not coded 
Learn Clit-lFhir ASAP 
ry 
Resource Json 
Emma play care plan 
Document 
O code 
CD bodySite 
rning deticit 
Condition.code 
y pe/s 
ableConcept 
ValueSet Binding (example) 

While building your resource your work is automatically saved locally. Click on Save to Library to add to the server. Currently completely open to see to be able to see what everybody has added to the library

Machine generated alternative text:
Builder 
Local Sets 
care plan play 
play care plan 
Contormance server: Graname STIJ3 server 
Data server: Public HAPI STIJ3 server 
STU version: 3 
New Set 
All resources 
Set Summary 
Graph 
Text 
Save to Library 
View Library 
Add new Resource 
Resource Type: 
New resource instance 
Text 
CarePlan 
About this resource type 
Cancel 
C* 
Add 

Creating Documents - A document is a bundle that returns resources. The composition resource is at the head of the bundle.

Can create a document - bundle returning resources with the composition at the head.

Add new resource and select composition and give it some text. This will create a document tab

Click on the document tab and Add to start adding section to your document

Machine generated alternative text:
Builder 
Local Sets 
care plan play 
Contormance server: Graname STIJ3 server 
Data server: Public HAPI STIJ3 server 
STU 
version: 3 
New Set 
X 
All resources 
Sections 
Sections 
Set Summary 
Generated text 
Graph 
Add 
Document 
Add Resource 
Save to Library 
View Library 
Structure & Reterence 
Composition 
o 
identifier 
O date 
O type 
Resource Summary 
Resource Json 
Emma play care plan 
Document 
Emma's tirst document 
subject: Mary Jane Jones 
o 
class 
status 
contidentiality 
subject 
author 
attester • 
custodian 
encounter 
section 

**Creating Profiles:**

Click on the gear (on the ClinFHIR page) and select profile then new profile. Name your profile without any spaces.

Machine generated alternative text:
clinFHlR 
Patient: use 'Select Patient' 
prone: use Find prone link 
Create new Profile 
Profile explorer on Grar„ame STU3 
New Profile 
DetajEsÆdit 
Publisher 
All Statuses 
Design Json 
Profile name 
Orion 
Narne of extension 
Short description 
Description 
Resource Wpe being profiled 
Orion 
Enter a name for the profile. This must be new on the Conformance server (Grahame STU3 server), or one that has been previously 
created by clinFHlR (and will be replaced by this definition). 
http://fhir3.healthintersections.com.au/open/ 