

Supplementary Data S6:

Importing generated forms into Castor

You used iCRF Generator to create a form for Castor. Below you can see an example of a Report, which is created in XML format.

```
castor-report-consent.xml
Free Mode

/Applications/iCRFGenerator-1.2.4-zip distrib.../CRF-outputs/castor-report-consent.xml (functions)

1 <?xml version="1.0" encoding="UTF-8"?><xml>
2 <<crf_id>65FF8881-C7F6-4AD3-9D7F-E8C7E95B2E75</crf_id>
3 <<optionLists>
4 <<<og_0CFE2CA0-208E-426B-8F2A-57115B4A4B6A>
5 <<<<option_group_id>0CFE2CA0-208E-426B-8F2A-57115B4A4B6A</option_group_id>
6 <<<<option_group_name>Allow recontacting Options</option_group_name>
7 <<<<option_group_description/>
8 <<<<option_group_layout>0</option_group_layout>
9 <<<<options>
10 <<<<<op_D4CA9E9F-771E-46B5-9584-2192BEFE656E>
11 <<<<<<option_id>D4CA9E9F-771E-46B5-9584-2192BEFE656E</option_id>
12 <<<<<<option_group_id>0CFE2CA0-208E-426B-8F2A-57115B4A4B6A</option_group_id>
13 <<<<<<option_name>Willingness to be contacted when new knowledge regarding incidental
14 <<<<<<option_value>http://purl.obolibrary.org/obo/IC0_0000178</option_value>
15 <<<<<<option_group_order>0</option_group_order>
16 <<<<<</op_D4CA9E9F-771E-46B5-9584-2192BEFE656E>
17 <<<<<<op_9D14F6D6-2491-40B0-8806-856FC4C33992>
18 <<<<<<<option_id>9D14F6D6-2491-40B0-8806-856FC4C33992</option_id>
19 <<<<<<<option_group_id>0CFE2CA0-208E-426B-8F2A-57115B4A4B6A</option_group_id>
20 <<<<<<<option_name>Willingness to be contacted when new knowledge regarding the diagno
21 <<<<<<<option_value>http://purl.obolibrary.org/obo/NCIT_C15220</option_value>
22 <<<<<<<option_group_order>1</option_group_order>
23 <<<<<<</op_9D14F6D6-2491-40B0-8806-856FC4C33992>
24 <<<<<<op_7947CF26-C98A-4BAF-8BB9-563DAC67FE42>
25 <<<<<<<option_id>7947CF26-C98A-4BAF-8BB9-563DAC67FE42</option_id>
26 <<<<<<<option_group_id>0CFE2CA0-208E-426B-8F2A-57115B4A4B6A</option_group_id>
27 <<<<<<<option_name>Willingness to be contacted to collect additional material or data
28 <<<<<<<option_value>http://purl.obolibrary.org/obo/NCIT_C25662</option_value>
29 <<<<<<<option_group_order>2</option_group_order>
30 <<<<<<</op_7947CF26-C98A-4BAF-8BB9-563DAC67FE42>
31 <<<<<</options>
32 <<<<<</og_0CFE2CA0-208E-426B-8F2A-57115B4A4B6A>
33 <<<<<<og_AF9F846C-3FC9-45EE-B2C0-E23186CE0EBF>
34 <<<<<<<option_group_id>AF9F846C-3FC9-45EE-B2C0-E23186CE0EBF</option_group_id>
35 <<<<<<<option_group_name>Collected by Options</option_group_name>
36 <<<<<<<option_group_description/>
37 <<<<<<<option_group_layout>0</option_group_layout>
38 <<<<<<<options>
39 <<<<<<<op_34F1505B-751E-48F5-8B4C-E1C9884D6297>
40 <<<<<<<<option_id>34F1505B-751E-48F5-8B4C-E1C9884D6297</option_id>
41 <<<<<<<<option_group_id>AF9F846C-3FC9-45EE-B2C0-E23186CE0EBF</option_group_id>
42 <<<<<<<<option_name>Information was sought but not found (e.g., patient was asked but d
43 <<<<<<<<option_value>http://terminology.hl7.org/CodeSystem/v3-NullFlavor#ASKU</option_v
44 <<<<<<<<option_group_order>0</option_group_order>
45 <<<<<<<</op_34F1505B-751E-48F5-8B4C-E1C9884D6297>
46 <<<<<<<<op_D2C1A620-46E5-4C27-BF82-9AD23E5071FF>
```

L: 95 C: 29 XML Saved: 7/2/21, 8:54:59 AM 911,156 / 70,702 / 12,850 4 100%

First, within Castor, create a study by filling in the Create New Study form.





 Create New Study

Study information

NL Server 

Name of your study

FAIR Genomes Test

Trial registry ID*(optional)*

If your study is linked to a trial registered in a trial database, please supply the trial registry ID.

Initiating institute information

Name of your institute

Abbreviation

Country of your institute

Please select



Within this study, you can add Reports, Surveys and Steps, which can be created by iCRF Generator. In this example, we will import a Report. Go to Structure → Reports.

The screenshot shows the 'FAIR Genomes Test' interface. On the left is a blue sidebar with a navigation menu. The 'Structure' menu is expanded, showing options: Study, Reports (highlighted in blue), Surveys, Survey Packages, Form Sync, Forms (with a dropdown arrow), Records, Reports, Surveys, Statistics, Audit Trail, Users, and Settings (with a dropdown arrow). The main content area is titled 'FAIR Genomes Test' with a subtitle 'Not Live (v0.41)'. It features a table with two columns: 'Reports' and 'Steps of Unscheduled visit'. The 'Reports' column has a '+ Add' button. The 'Steps of Unscheduled visit' column has a '+ Add' button. The table contains three rows: 'Blood pressure' (Repeated measure) with step 1 'Physical exam', 'Medication' (Repeated measure) with step 2 'Laboratory', and 'Unscheduled visit' (Unscheduled ph...) with no steps listed.

Click on Import structure, select the appropriate file, and click Upload.

This screenshot shows the same 'FAIR Genomes Test' interface as the previous one, but with the 'Import Study Structure' dialog box open. The dialog box has a title bar 'Import Study Structure' and a close button. It contains a 'File:' label, a text input field with the path 'C:\fakepath\castor-report-consent.xml', a 'Browse' button, and an 'Upload' button. Below the input field is a message 'First, upload a file...' and a 'Close' button at the bottom right.

The report should now have been added. It can be seen by clicking Open in form editor.

The screenshot shows the 'FAIR Genomes Test' interface. On the left is a sidebar with a navigation menu containing: Structure, Study, Reports, Surveys, Survey Packages, Form Sync, Forms, Records, Reports, Surveys, Statistics, Audit Trail, Users, and Settings. The main area is titled 'FAIR Genomes Test' with a subtitle 'Not Live (v0.41)'. It features two tabs: 'Reports' and 'Steps of GeneratedReport'. The 'Reports' tab is active, displaying a table with columns 'Blood pressure', 'Repeated measure', and 'GeneratedReport'. The table contains one row with the value 'Other'. A context menu is open over the 'GeneratedReport' column, showing options: 'Edit step', 'Open in form editor', 'Copy step', 'Assign User Roles', 'Delete step', and 'Print this report step'.

Here, you can finalize the report if necessary and start to use it as part of your study.

The screenshot shows the 'FAIR Genomes Test' interface with the 'Fields' section active. The sidebar is the same as in the previous screenshot. The main area is titled 'FAIR Genomes Test' with a subtitle 'Not Live (v0.41)'. It features a 'Field finder' search bar and two dropdown menus for 'Reports' (set to 'GeneratedReport') and 'Step' (set to 'GeneratedStep'). The main content area displays a list of fields with their IDs and descriptions. The fields are: 1.1 Allow recontacting (Allow_recontacting), 1.2 Collected by (Collected_by), 1.3 Consent form used (Consent_form_used), 1.4 Data use modifiers (Data_use_modifiers), 1.5 Data use permissions (Data_use_permissions), 1.6 Individual consent identifier (Individual_consent_identifier), 1.7 Modifiers specification (Modifiers_specification), 1.8 Person consenting (Person_consenting), and 1.9. A right-hand sidebar lists various field types: Number, Radio buttons, Dropdown, Checkboxes, Date, Year, Time, Calculation, Slider, Remark, Summary, QR Code, Repeated Measure, Text, and Text (multiline).