

3.4 Create and Modify Case Report Forms (CRFs)

This set of topics explains how you define (create) Case Report Forms (CRFs) and make changes to the defined forms. You define the form in an Excel spreadsheet file for use with Study Events in your OpenClinica system. OpenClinica presents the defined CRF in the web interface for users to collect Study Event data for a Subject.

To create and modify defined CRFs, your [User Role or User Type requires appropriate permission](#).

Because defined CRFs are available for use across all Studies in OpenClinica, it does not matter what the current Study is when you create and modify them, but you must be at the Study level.

(If instead you want to enter or modify Event data for Subjects in CRFs, see [View and Enter Event Data using the Subject Matrix](#).)

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Not valid unless obtained from the OpenClinica document management system on the day of use.

3.4.1 About CRFs in OpenClinica

A good way to familiarize yourself with a defined CRF is to look at its existing CRF .xls file and at the way OpenClinica presents it in the web interface:

1. [Click here](#) to download a sample CRF defined for a Physical Examination, SAMPLE_PHYSICALEXAM_ENGLISH.xls. Save the file to your computer.
2. Upload the defined CRF to your OpenClinica system.
 1. Set the current Study to the Study level.
 2. From the Tasks menu, in the Monitor and Manage Data module, select CRFs. The Manage Case Report Forms page opens.
 3. Click Create a New CRF. The Create a New Case Report Form page opens.
 4. In the MS Excel File to Upload field, click Browse, then navigate to the file you downloaded in step 1, SAMPLE_PHYSICALEXAM_ENGLISH.xls. Select the file, then click Open. The path to the filename is shown in the MS Excel File to Upload field.
 5. Click Preview CRF Version. The Check CRF Version Data page opens, showing the CRF in the web interface format.
 6. Click Continue. The Create a New CRF Version - Data Committed Successfully page opens.
3. View the defined CRF in OpenClinica:
 1. From the Tasks menu, in the Monitor and Manage Data module, select CRFs.

The Manage Case Report Forms page opens.

2. For Sample Physical Exam - English Version, click the View icon.

The defined CRF displays in the web interface format.

4. In Excel, open the CRF file you downloaded, SAMPLE_PHYSICALEXAM_ENGLISH.xls.

5. Compare the CRF when viewed in the web interface format to the defined CRF when opened in Excel.

A Sample Defined CRF when Viewed in the Web Interface:

Sample Physical Exam English

▼ CRF Header Info

Click the flag icon next to an input to enter/view discrepancy notes. Please note that you can only save the notes if CRF data entry has already started.

Exit

◀ I Basic (0/9) II Body...(0/35) III Oth...(0/3) ▶ -- Select to Jump --

Title: Basic Information

Visit Information:

1 Date of Physical Examination: 2 Time of Physical Examination: (HH:MM)

Physical Exam Information:

3 Height: (in) 4 Weight: (lb)

5 Temperature: (F) 6 Pulse Rate: (per min)

7 Respiration Rate: (per min)

Blood pressure:

8 Systolic: (mm) Diastolic: (Hg)

Note that when the CRF is previewed after upload, or viewed through 'Manage CRFs', any hidden fields in the CRF are visible.

The Same CRF when Opened in Excel, Showing the Items Tab:

ITEM_NAME	DESCRIPTION_LABEL	LEFT_ITEM_TEXT	UNITS	RIGHT_ITEM_TEXT
PEDAT	Date of Physical Exam	Date of Physical Examination:		
PETIM	Time of Physical Exam	Time of Physical Examination:	HH:MM	
HEIGHT	Height	Height:	in	
WEIGHT	Weight	Weight:	lb	
TEMPERATURE	Temperature	Temperature:	F	
PULSE	Pulse Rate	Pulse Rate:	per min	
RESPIRATION	Respiration Rate	Respiration Rate:	per min	
SYSTOLIC	Systolic	Systolic:	mm	
DIASTOLIC	Diastolic	Diastolic:	Hg	
BMI	Body Mass Index	Body Mass Index:		
APPEARANCE	Appearance	Appearance		
APPEARANCE_COMMENTS	Appearance Comments	Comments:(Required if Abnormal)		
SKIN	Skin	Skin		
SKIN_COMMENTS	Skin Comments	Comments:(Required if Abnormal)		
HEENT	H/E/E/N/T	H/E/E/N/T		
HEENT_COMMENTS	H/E/E/N/T Comments	Comments:(Required if Abnormal)		

3.4.2 OpenClinica eCRF Specifications

OpenClinica provides a template to users for CRF design. This section explains each of the fields in the template and how those fields are either dependent or independent of each other. Best practices are provided as well as some examples of how the CRF Template can be used effectively.

Definitions and acronyms

- CRF Case Report Form, created in OpenClinica by uploading a CRF definition based on the CRF Template Excel file.
- Dynamics Skip Patterns/Skip Logic created using Rules and based on variables in the CRF template.
- Group - A mechanism for logically associating items within a CRF. Items within the same group may repeat together within a CRF.
- Item A variable within a CRF.
- OIDs Object Identifiers uniquely identify a study object such as a CRF, CRF Version, Item Group, or Item and are used to link objects to one another. OIDs for a given class of object are unique within an instance of OpenClinica, with the exception of Rule OIDs, which are only guaranteed to be unique within a study.
- Rules OpenClinicas mechanism to carry out cross form or cross field edit checks, skip logic and inserting data across CRFs. Rules are declared in XML and executed by the OpenClinica Rules Engine. Rules are declared external to the CRF Template but dependent on the variables defined in one or more CRFs.
- SCD Simple Conditional Display. A way of defining skip logic within the CRF Template, without the use of Rules.
- Section A mechanism for organizing items within a CRF for layout purposes. All items in a given section appear on the same page in a CRF. Multiple sections are displayed as tabs within the CRF.
- Tokens A means of displaying a Study Object value for use in a URL (e.g. in a parameterized link) or for use in other scripts (e.g. jquery). Tokens can also be used in Left Item Text, Right Item Text, Header, and/or Subheader to pass item values. The supported tokens are:

`${studySubject}` - Passes the current Subject ID

`${studySubjectOID}` - Passes the OID for the current Subject

`${studyName}` - Passes the current Study Name

`${eventName}` - Passes the current Event Name

`${eventOrdinal}` - For repeating Events, passes the Event repeat number (e.g., 2 for the second repeat)

`${crfName}` - Passes the CRF Name

`${crfVersion}` - Passes the CRF Version

`${item[item_name]}` - Passes the Item value

3.4.2.1 CRF Template - General Constraints

The OpenClinica CRF Template can only be edited and saved as a Microsoft Excel 2003.xls file. OpenOffice spreadsheets and later versions of Microsoft Excel can not be used reliably and may not be successful when uploaded to OpenClinica version 3.1.X.

The CRF Template is used to define the CRF on a client machine with MS Excel. Once the required information has been provided in the template, it must be uploaded to OpenClinica through the Add CRF page. Only certain privileged users are allowed access to this page.

During the upload process, a validation of the CRF design is performed. Errors that are caught at this stage will trigger messages to the user informing him of the error and changes necessary to fix the error.

3.4.2.2 Scope of CRFs and Items

A CRF (with its associated versions, groups, and items) is defined globally within an instance of OpenClinica and may be used in one or more studies. The groups and items defined within a particular CRF exist within the scope of the CRF only (though they will have globally unique OIDs). The CRF Physical Exam may have an item with ITEM_NAME blood_pressure and the CRF Vital Signs can have an item also named blood_pressure. OpenClinica treats these items as separate entities and they will have separate OIDs. Response sets also exist within the scope of the CRF only.

A CRF definition may be shared across OpenClinica instances by loading the CRF template spreadsheet into each instance. Each instance of OpenClinica generates OIDs at CRF upload time and those OIDs must be unique within that instance. Therefore the OIDs for the same CRF and items may be different across OpenClinica instances.

3.4.2.3 CRF Versioning

OpenClinica supports multiple CRF versions being in use at the same time. To create a new version, a user must keep the CRF_NAME field the same as the original, but update the CRF_VERSION field with a new value. This new version is uploaded by selecting the Create New CRF Version icon instead of adding a CRF through the Build Study module. The user does have the ability to overwrite a CRF Version if needed, however the CRF Version cannot have been assigned or used in any event definitions prior to the attempt to remove it.

When a new CRF Version is added, any item with the same ITEM_NAME as an item in a previous version of the CRF is treated as the same variable and will have the same OID, DESCRIPTION, and DATA_TYPE. The value of ITEM_NAME is case-sensitive, so items with ITEM_NAMES 'ItemA' and 'itema' will be considered as different items by OpenClinica.

For Enterprise customers interested in using Datamart:

Please note that Datamart treats items in case-insensitive manner. Please make all ITEM_NAMES case-insensitive if you plan to use Datamart. Special characters and [Postgres reserved words](#) should not be used as item names.

New items that did not exist in prior CRF versions will be added and an appropriate OID generated.

Item metadata vs Item form metadata

Items in a CRF have two types of attributes. Item metadata attributes describe core intrinsic properties of the item. These properties are independent of the CRF Version and cannot change across CRF Versions. These properties include:

ITEM_NAME

DESCRIPTION

DATA_TYPE

GROUP_LABEL

Response Sets (see discussion below)

The properties ITEM_NAME, DATA_TYPE, and RESPONSE_LABEL cannot be changed after the CRF is created.

Item form metadata attributes describe the items representation or behavior on a CRF and may have a different value in each version of a CRF. Most of the attributes in the Items Worksheet in the CRF Template fall into this category.

Response sets

The item properties beginning with RESPONSE_ on the Items worksheet together define a response set in a CRF. The response set is a coded list of allowable values for the item. The response set is given a name (RESPONSE_LABEL) that allows it to be re-used within the CRF if desired, and the set itself is made up of a list of coded values (RESPONSE_VALUES_OR_CALCULATIONS) with

corresponding text labels (RESPONSE_OPTIONS_TEXT). Each item in the list of coded values should meet the constraints defined by the item DATA_TYPE and WIDTH_DECIMAL.

Response sets are intended for use in items that utilize a form input control (INPUT_TYPE) that allows the user to select from a constrained list.

* Note that the RESPONSE_VALUES_OR_CALCULATIONS attribute can also be used in a separate context to create calculated/derived items.

Versioning of response sets should not change the mapping RESPONSE_OPTIONS_TEXT - RESPONSE_VALUES_OR_CALCULATIONS, but it can delete or add new (_OPTIONS_TEXT - RESPONSE_VALUES_OR_CALCULATIONS) pair to existing set of values. For example, an item is a single-select and its RESPONSE_OPTIONS_TEXT defined as Absent,Mild,Moderate,Severe,Life-threatening while

RESPONSE_VALUES_OR_CALCULATIONS defined as 1,2,3,4,5. In another version of CRF it is possible to drop or add several values, but you cannot redefine mapping by setting Absent to have value other than 1.

3.4.2.4 CRF Template Properties

The CRF Template contains five worksheets. Four of the worksheets are intended for input by the user creating the CRF while the fifth worksheet provides instructions about each of the fields of the Template. When a user selects a cell in a column, a tooltip will popup explaining whether the field is Required or not, and other useful instructive text to help the user understand what the field is for.

In some cases HTML elements like Bold (), Italics (<i>), Line Breaks (
), etc. can be used. In the cases where HTML elements are supported, they are designated as such in [CRF Template Elements](#).

In OpenClinica 3.3, Tokens, were introduced. These are available for use in Left or Right Item Text, Header, or Subheader. They can be used to display the Study Object value for use in a URL (as in a Parameterized Link) or for use in other scripts (e.g., jquery). The supported tokens are:

`${studySubject}`

`${studyName}`

`${eventName}`

`${eventOrdinal}`

`${crfName}`

`${crfVersion}`

`${item[item_name]}`

Following is an example of a CRF that passes these tokens to a URL to bring up an image:

Visit L...(0/3) Scan Re...(0/3) -- Select to Jump --

Title: Scan Results

Physician who reviewed scan:

Date of scan review:

Results: (select one) [Click here to open image](#)

When the user clicks on the "Click here to open image" link, based on the following Right Item Text the CRF template, the imaging system (in this case www.example.com) is accessed and passes the values for studyName, eventName, crfName, and the SCAN_DATE item for the current Study, Event, and CRF.

Right Item Text:

```
<a href="http://www.example.com/{studyName}/{eventName}/{crfName}/{item['SCAN_DATE']}" target="_blank">Click here to open image</a>
```

3.4.2.5 CRF Template Elements

Definitions, restrictions and when to use the OpenClinica CRF Template Elements

- [CRF Worksheet](#)
- [Sections Worksheet](#)
- [Groups Worksheet](#)
- [Items Worksheet](#)

ID	Name	Type	Category	Value	Status
1	Item 1	Category 1	Sub-category 1	Value 1	Status 1
2	Item 2	Category 2	Sub-category 2	Value 2	Status 2
3	Item 3	Category 3	Sub-category 3	Value 3	Status 3
4	Item 4	Category 4	Sub-category 4	Value 4	Status 4
5	Item 5	Category 5	Sub-category 5	Value 5	Status 5
6	Item 6	Category 6	Sub-category 6	Value 6	Status 6
7	Item 7	Category 7	Sub-category 7	Value 7	Status 7
8	Item 8	Category 8	Sub-category 8	Value 8	Status 8
9	Item 9	Category 9	Sub-category 9	Value 9	Status 9
10	Item 10	Category 10	Sub-category 10	Value 10	Status 10
11	Item 11	Category 11	Sub-category 11	Value 11	Status 11
12	Item 12	Category 12	Sub-category 12	Value 12	Status 12
13	Item 13	Category 13	Sub-category 13	Value 13	Status 13
14	Item 14	Category 14	Sub-category 14	Value 14	Status 14
15	Item 15	Category 15	Sub-category 15	Value 15	Status 15
16	Item 16	Category 16	Sub-category 16	Value 16	Status 16
17	Item 17	Category 17	Sub-category 17	Value 17	Status 17
18	Item 18	Category 18	Sub-category 18	Value 18	Status 18
19	Item 19	Category 19	Sub-category 19	Value 19	Status 19
20	Item 20	Category 20	Sub-category 20	Value 20	Status 20
21	Item 21	Category 21	Sub-category 21	Value 21	Status 21
22	Item 22	Category 22	Sub-category 22	Value 22	Status 22
23	Item 23	Category 23	Sub-category 23	Value 23	Status 23
24	Item 24	Category 24	Sub-category 24	Value 24	Status 24
25	Item 25	Category 25	Sub-category 25	Value 25	Status 25
26	Item 26	Category 26	Sub-category 26	Value 26	Status 26
27	Item 27	Category 27	Sub-category 27	Value 27	Status 27
28	Item 28	Category 28	Sub-category 28	Value 28	Status 28
29	Item 29	Category 29	Sub-category 29	Value 29	Status 29
30	Item 30	Category 30	Sub-category 30	Value 30	Status 30
31	Item 31	Category 31	Sub-category 31	Value 31	Status 31
32	Item 32	Category 32	Sub-category 32	Value 32	Status 32
33	Item 33	Category 33	Sub-category 33	Value 33	Status 33
34	Item 34	Category 34	Sub-category 34	Value 34	Status 34
35	Item 35	Category 35	Sub-category 35	Value 35	Status 35
36	Item 36	Category 36	Sub-category 36	Value 36	Status 36
37	Item 37	Category 37	Sub-category 37	Value 37	Status 37
38	Item 38	Category 38	Sub-category 38	Value 38	Status 38
39	Item 39	Category 39	Sub-category 39	Value 39	Status 39
40	Item 40	Category 40	Sub-category 40	Value 40	Status 40
41	Item 41	Category 41	Sub-category 41	Value 41	Status 41
42	Item 42	Category 42	Sub-category 42	Value 42	Status 42
43	Item 43	Category 43	Sub-category 43	Value 43	Status 43
44	Item 44	Category 44	Sub-category 44	Value 44	Status 44
45	Item 45	Category 45	Sub-category 45	Value 45	Status 45
46	Item 46	Category 46	Sub-category 46	Value 46	Status 46
47	Item 47	Category 47	Sub-category 47	Value 47	Status 47
48	Item 48	Category 48	Sub-category 48	Value 48	Status 48
49	Item 49	Category 49	Sub-category 49	Value 49	Status 49
50	Item 50	Category 50	Sub-category 50	Value 50	Status 50
51	Item 51	Category 51	Sub-category 51	Value 51	Status 51
52	Item 52	Category 52	Sub-category 52	Value 52	Status 52
53	Item 53	Category 53	Sub-category 53	Value 53	Status 53
54	Item 54	Category 54	Sub-category 54	Value 54	Status 54
55	Item 55	Category 55	Sub-category 55	Value 55	Status 55
56	Item 56	Category 56	Sub-category 56	Value 56	Status 56
57	Item 57	Category 57	Sub-category 57	Value 57	Status 57
58	Item 58	Category 58	Sub-category 58	Value 58	Status 58
59	Item 59	Category 59	Sub-category 59	Value 59	Status 59
60	Item 60	Category 60	Sub-category 60	Value 60	Status 60
61	Item 61	Category 61	Sub-category 61	Value 61	Status 61
62	Item 62	Category 62	Sub-category 62	Value 62	Status 62
63	Item 63	Category 63	Sub-category 63	Value 63	Status 63
64	Item 64	Category 64	Sub-category 64	Value 64	Status 64
65	Item 65	Category 65	Sub-category 65	Value 65	Status 65
66	Item 66	Category 66	Sub-category 66	Value 66	Status 66
67	Item 67	Category 67	Sub-category 67	Value 67	Status 67
68	Item 68	Category 68	Sub-category 68	Value 68	Status 68
69	Item 69	Category 69	Sub-category 69	Value 69	Status 69
70	Item 70	Category 70	Sub-category 70	Value 70	Status 70
71	Item 71	Category 71	Sub-category 71	Value 71	Status 71
72	Item 72	Category 72	Sub-category 72	Value 72	Status 72
73	Item 73	Category 73	Sub-category 73	Value 73	Status 73
74	Item 74	Category 74	Sub-category 74	Value 74	Status 74
75	Item 75	Category 75	Sub-category 75	Value 75	Status 75
76	Item 76	Category 76	Sub-category 76	Value 76	Status 76
77	Item 77	Category 77	Sub-category 77	Value 77	Status 77
78	Item 78	Category 78	Sub-category 78	Value 78	Status 78
79	Item 79	Category 79	Sub-category 79	Value 79	Status 79
80	Item 80	Category 80	Sub-category 80	Value 80	Status 80
81	Item 81	Category 81	Sub-category 81	Value 81	Status 81
82	Item 82	Category 82	Sub-category 82	Value 82	Status 82
83	Item 83	Category 83	Sub-category 83	Value 83	Status 83
84	Item 84	Category 84	Sub-category 84	Value 84	Status 84
85	Item 85	Category 85	Sub-category 85	Value 85	Status 85
86	Item 86	Category 86	Sub-category 86	Value 86	Status 86
87	Item 87	Category 87	Sub-category 87	Value 87	Status 87
88	Item 88	Category 88	Sub-category 88	Value 88	Status 88
89	Item 89	Category 89	Sub-category 89	Value 89	Status 89
90	Item 90	Category 90	Sub-category 90	Value 90	Status 90
91	Item 91	Category 91	Sub-category 91	Value 91	Status 91
92	Item 92	Category 92	Sub-category 92	Value 92	Status 92
93	Item 93	Category 93	Sub-category 93	Value 93	Status 93
94	Item 94	Category 94	Sub-category 94	Value 94	Status 94
95	Item 95	Category 95	Sub-category 95	Value 95	Status 95
96	Item 96	Category 96	Sub-category 96	Value 96	Status 96
97	Item 97	Category 97	Sub-category 97	Value 97	Status 97
98	Item 98	Category 98	Sub-category 98	Value 98	Status 98
99	Item 99	Category 99	Sub-category 99	Value 99	Status 99
100	Item 100	Category 100	Sub-category 100	Value 100	Status 100

3.4.3 Overview of Creating and Modifying CRFs

Before defining the CRF, design it by identifying all the Items that will be on it, the parameters for each Item, and how they will be organized on the form. For guidelines, see [Designing a CRF](#).

This is the overall process for defining a Case Report Form (CRF) for use in your OpenClinica system:

1. Download the CRF template or an existing, defined CRF. For detailed instructions, see [Create a CRF](#).
2. Modify the Items and other content in the defined CRF using Microsoft Excel. See [Providing Content for a Defined CRF](#).
3. [Upload the defined CRF](#) to your OpenClinica system, then identify and correct any errors.
4. [Assign the defined CRF to an Event Definition in a Study](#) as part of the Build Study process. Review the Event Definitions for the Sites in the Study, and if necessary, modify the parameters for the defined CRF at the Sites in the Study.

3.4.3.1 About CRF Versions

You can use a defined CRF in multiple Event Definitions and in multiple Studies in OpenClinica. You can also [create different versions of the defined CRF](#). When you assign a CRF to a Study Event, you can specify which versions of the CRF are available to that Event and can specify the default version to be used. For example, you can create a defined CRF in English and create another version in Spanish; then, when a user completes the CRF for a Study Subject, the user can choose the version of the CRF based on the language they prefer to work with.

When you define a CRF, OpenClinica creates a parent record (called the "original"), and a version that can be used to collect data. When you create a new version of the CRF, it has the same name as the "original," but has a different version label assigned to it. When you make a change to a defined CRF, if there are other versions of the defined CRF that the change applies to, you will need to make the change to each version of the defined CRF.

3.4.4 Designing CRFs

When you design a CRF in OpenClinica, you can base it on an existing form you use (for example, a paper version), if you have one. But you will need to modify the form design so it works well in the OpenClinica web interface and takes advantage of OpenClinica's features. Whether or not you have an existing form, you can benefit from these guidelines for designing the form before you create the defined CRF:

1. List all the information (Items) you need to collect and record the parameters for each Item. For example, if you need to capture the Subjects temperature, the Item is Temperature, it is

required, and the parameters are any number between 95.0 and 103.9, with up to one decimal place, in degrees Fahrenheit. You specify the range so that when a user enters data into the form, OpenClinica flags a value outside the acceptable range for further action.

2. Determine if you will put all of the Items in one CRF or in multiple CRFs:
 - If a portion of the CRF can be used for other Events or other Studies, you might want to define a CRF for just that portion so you can reuse it, and define a different CRF for the rest of the Items.
 - If the information will be collected at different times during the Event, or at different physical locations (even within a Site), consider defining separate CRFs for each, or separate sections within the CRF for logistical convenience.
3. Determine the sections in the CRF and what Items to put in each section. When you enter data into a CRF, you save one section at a time, so fewer Items in a section minimizes the risk you will lose data if you accidentally close a CRF without first saving it. Fewer Items in a section also means the page opens quicker, makes it easier to locate an Item, and minimizes the need to scroll.

3.4.5 Create a CRF

Before defining a CRF, you need to create the CRF you will use as a basis:

1. From the Tasks menu, in the Study Setup module, select Build Study.

The Build Study page displays.

2. For the Create CRF task, click the View icon.

The Manage Case Report Forms (CRFs) page opens.

Manage Case Report Forms (CRFs)											
Page 1 of 1		<input type="text"/>		<input type="button" value="Find"/>		Blank CRF Template		OpenClinica CRF Library		Create a New CRF	
CRF Name	Date Updated	Last Updated by	CRF_OID	Versions	Version_OID	Date Created	Owner	Status	Download	Actions	
Adverse Events	05-Jul-2011	agoodwin	F_ADVERSEEVENT	(original)		05-Jul-2011	agoodwin	available			
				v1.0	F_ADVERSEEVENT_V10	05-Jul-2011	agoodwin	available			
				v1.2	F_ADVERSEEVENT_V12	05-Jul-2011	agoodwin	available			
Agent Administration	05-Jul-2011	agoodwin	F_AGENTADMINIS	(original)		05-Jul-2011	agoodwin	available			
				v1.0	F_AGENTADMINIS_V10	05-Jul-2011	agoodwin	available			
Concomitant Medications	05-Jul-2011	agoodwin	F_CONCOMITANTM	(original)		05-Jul-2011	agoodwin	available			
				v1.0	F_CONCOMITANTM_V10	05-Jul-2011	agoodwin	available			
Eligibility	05-Jul-2011	agoodwin	F_ELIGIBILITY	(original)		05-Jul-2011	agoodwin	available			
				v1.0	F_ELIGIBILITY_V10	05-Jul-2011	agoodwin	available			
Physical Exam	05-Jul-2011	agoodwin	F_PHYSICALEXAM	(original)		05-Jul-2011	agoodwin	available			
				English	F_PHYSICALEXAM_ENGLISH	05-Jul-2011	agoodwin	available			
				Español	F_PHYSICALEXAM_ESPAOL	05-Jul-2011	agoodwin	available			
Verification of Informed Consent	05-Jul-2011	agoodwin	F_VERIFICATION	(original)		05-Jul-2011	agoodwin	available			
				v2.0	F_VERIFICATION_V20	05-Jul-2011	agoodwin	available			

3. From the Manage Case Report Forms page, download the CRF you will use as a basis for defining the CRF.

Note that when you save the Excel file in this process, the Excel filename (the name that precedes .xls) is not used by OpenClinica in any way.

Choose one of the following options to download the CRF you will use as a basis:

- **Download an Existing Defined CRF:** When you want to define a CRF to be similar to one already in your OpenClinica system, download the existing defined CRF to use as a basis.
 1. From the Manage Case Report Forms page, click the Download icon in the Actions column for the version of the CRF you want to download.
 2. Save the file to your computer using a unique, descriptive name.

(Note that this is not the same as [Creating a New Version of an Existing CRF](#))

- **Download a Defined CRF from the CRF Library:** You can use a defined CRF from the OpenClinica library as a basis for the CRF you are defining. The library includes CRFs for common types of clinical forms that were defined by OpenClinica experts and are aligned with [CDISC Clinical Data Acquisition Standards Harmonization \(CDASH\) standards](#), as well as CRFs defined by the OpenClinica community.
 1. Go to the [CRF Library](#) page of the OpenClinica documentation site.
 2. Click Login, then log in using your OpenClinica username and password.
The CRF Library page displays.

CRF Library

This library provides example OpenClinica forms that you can use and adapt for your OpenClinica studies. Many of these forms are aligned with standards such as [CDISC CDASH](#) and [PROMIS](#). The library also includes some proprietary validated instruments that are available for use with the appropriate licenses. If there are additional forms you would like to see here, please [let us know](#).

[1 OC3 eCRFs](#)
[2 OC4 eCRFs](#)

3. Select the link for the version of OpenClinica that you are using.
The list of available eCRFs displays:

1 OC3 eCRFs

[1.1 Adverse Events](#)
[1.2 Completion/Discontinuation](#)
[1.3 Concomitant Medications](#)
[1.4 Demographics](#)
[1.5 Drug Accountability](#)
[1.6 ECG Test Results](#)
[1.7 Inclusion/Exclusion](#)
[1.8 Informed Consent](#)
[1.9 Labs](#)
[1.10 Medical History](#)
[1.11 Participant Diaries](#)
[1.12 Patient Reported Outcomes \(PROs\)](#)
[1.13 Physical Exam](#)
[1.14 Protocol Deviations](#)
[1.15 Treatment](#)
[1.16 Vital Signs](#)
[1.17 Randomization](#)
[1.18 Other](#)

4. Click the link for the domain you are interested in. For example, Adverse Events.
The domain page displays and may include multiple versions of forms.

CDASH Adverse Event - AE (Events)

This CRF can be downloaded [here](#).

*Rules associated with this CRF can be downloaded [here](#).

This domain is recommended for non-solicited or pre-specified adverse events. Sponsors can add other data variables as needed to this form to meet the needs of their specific protocol requirements. It is under the discretion of sponsors to determine the collection period for adverse events.

Generic Adverse Event Form

This CRF can be downloaded [here](#).

*Rules associated with this CRF can be downloaded [here](#).

Generic Serious Adverse Event Form

This CRF can be downloaded [here](#).

*Rules associated with this CRF can be downloaded [here](#).

5. Select the link for the form that best meets your needs.
If applicable, Rules associated with the form are available and should be downloaded in addition to downloading the form.
6. Save the CRF and associated Rules to your computer using unique, descriptive names.
 - **Download a Blank CRF Template:** If you have experience defining CRFs or there are no existing CRFs that are similar to what you need, use a blank template:
 1. From the Manage Case Report Forms page, click Blank CRF Template.
 2. Save the template to your computer using a unique, descriptive name.

After creating the CRF, [provide content for it using Excel](#), then [upload the defined CRF](#) to OpenClinica.

3.4.6 Providing Content for a Defined CRF

When you define a CRF for use in OpenClinica, you use Excel (1997 to 2003 version) to provide the content in these four tabs (sheets) of the CRF .xls file:

- CRF
- Sections
- Groups
- Items

Each tab contains column headers that specify what belongs in that column; do not modify the column headers.

The fifth tab contains complete instructions for providing content for the CRF. You can also access instructions when you are providing content in the other tabs: click a column header and detailed instructions for that column display in a pop-up window.

To familiarize yourself with how the defined CRF in Excel relates to the presentation of that CRF in the OpenClinica web interface, see [About CRFs in OpenClinica](#).

When you are first learning to provide content for defined CRFs for OpenClinica, work on only one or two Items at a time.

For more information, see [OpenClinica eCRF Specifications](#) in the OpenClinica Technical Documentation.

Instructions Tab in the Defined CRF:

	A	B	C	D	E
1	OpenClinica CRF Design Template				
2	Version: 3.1				
3					
4	Worksheet	Field	Field Description and Instructions	Allowable Values	Required
5					
6	CRF				
7		CRF_NAME	Enter the name of your case report form (CRF) here. It must be between 1 and 255 characters long. This is a required field.	Text	Y
8		VERSION	Enter the name of this version of the case report form (CRF) here. It must be between 1 and 255 characters long. This is a required field.	Text	Y
9		VERSION_DESCRIPTION	Enter a description of this version of the case report form (CRF) here. It must be between 1 and 3999 characters long.	Text	Y
10		REVISION_NOTES	Enter revision notes for this version of the case report form (CRF) here. The revision notes must be between 1 and 255 characters long.	Text	Y
11					
12	Sections				
13		SECTION_LABEL	Enter a label for each section of the CRF. It must be between 1 and 255 characters long, and can have spaces. Each section must have a valid section_label, and the CRF must have at least one section. Each item in the CRF must be assigned to a section.	Alphanumeric text, no spaces	Y
14		SECTION_TITLE	Enter a name for each section of your case report form (CRF) here. It must be between 1 and 2000 characters long. This is a required field.	Text	Y
15		SUBTITLE	Enter a subtitle and/or header text that should be shown at the top of the section. It must be between 1 and 2000 characters long. This field is optional. In addition to a subtitle for the section, you may add instructions to show at the top of the section. The instructions	Text	N

Clicking a Column Header in the Defined CRF Displays Instructions for that Column in a Pop-Up Window:

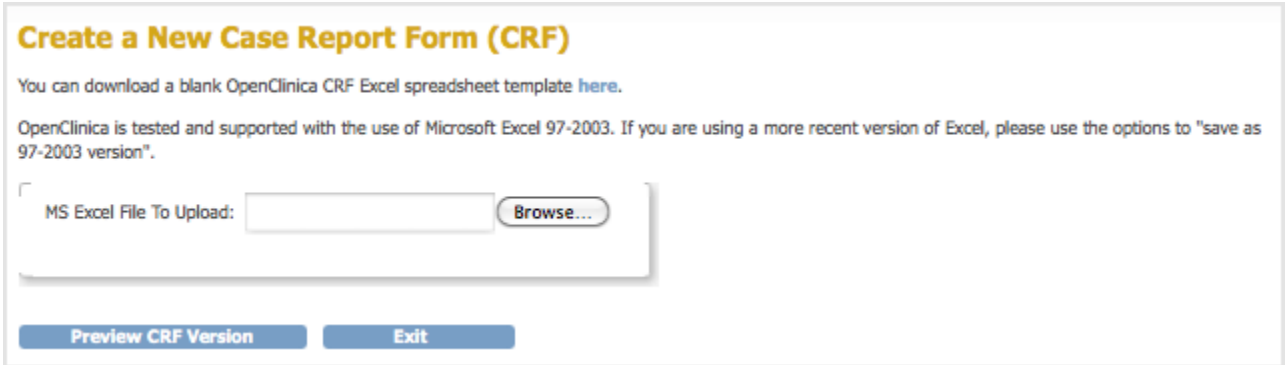
	A	B	C	D
1	CRF_NAME	VERSION	VERSION_DESCRIPTION	REVISION_NOTES
2	Sample Physical Exam		Sample Physical Exam	04-09-2012 by dmanagone
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				

Enter the name of the CRF
Enter the name of your case report form (CRF) in the first cell under the title CRF_NAME. It must be between 1 and 255 characters long. This is a required field.

3.4.7 Upload a Defined CRF

After using Excel to provide content for a defined CRF, upload the CRF to OpenClinica:

1. From the Tasks menu, in the Study Setup module, select Build Study.
The Build Study page opens.
2. For the Create CRF task, click the View icon.
The Manage Case Report Forms page opens.
3. Click Create a New CRF.
The Create a New Case Report Form page opens.



4. Click Browse, then navigate to the defined CRF you want to upload. Select the file and click Open.
5. In the Create a New Case Report Form page, click Preview CRF Version.
The Check CRF Version Data page opens.
6. If there are any errors, OpenClinica reports them at the top of the page and provides details for the cells containing the errors below that. Click Go Back, [correct the errors in the defined CRF using Excel](#), and repeat steps 4 through 6.

Example of an Error Message for a Defined CRF:



Example Showing Details for the Errors that are in the Defined CRF:

9.0	single-select	N_AB_NE	Normal, Abnormal, Not Examined,\\ but NUMBER OF OPTIONS DOES NOT MATCH	1,2,99 NUMBER OF VALUES DOES NOT MATCH
-----	---------------	---------	---	---

7. When the defined CRF you uploaded is free of errors, OpenClinica displays a preview of the web interface for the CRF, and the Alerts & Messages sidebar panel displays a success message. Review each section of the CRF in the web interface preview (click the tab for a section to show it), viewing drop-down lists, checking wording and arrangement of Items, and so on. Make notes of anything you want to change. To make changes, click Cancel, [make](#)

[changes using Excel](#) and save the file, then repeat steps 4 through 6. (Note: do not click Continue while you are still changing the content of the defined CRF. If you do click Continue but still want to make changes, you will need to [replace the existing CRF or create a new version of it.](#))

Preview a CRF:

Alerts & Messages
Congratulations! Your spreadsheet generated no errors. Please review it. You can save it to database by clicking "Continue".

Check CRF Version Data

Continue Cancel

I Basic (0/9) II Body...(0/35) III Oth...(0/3) -- Select to Jump --

Visit Information:

1 Date of Physical Examination: [] [Go] 2 Time of Physical Examination: [] [Go] (HH:MM)

Physical Exam Information:

3 Height: [] [Go] (in) 4 Weight: [] [Go] (lb)

5 Temperature: [] [Go] (F) 6 Pulse Rate: [] [Go] (per min)

7 Respiration Rate: [] [Go] (per min)

Blood pressure:

8 Systolic: [] [Go] (mm) Diastolic: [] [Go] (Hg)

Continue Cancel

8. After previewing the defined CRF and completing any changes, click Continue.

The Create a New CRF - Data Committed Successfully page opens.

Create a New CRF Version - Data Committed Successfully

The new CRF version was committed into the database successfully.

- ▶ [Go back to the CRF List](#)
- ▶ [View CRF Version Data Entry](#)
- ▶ [Go back to the Build Study page](#)
- ▶ [CRF Version Metadata](#)

9. Review the defined CRF:

1. Click Go back to the CRF List.

The Manage CRFs page opens.

2. For the CRF you want to review, click the View icon in the Actions column for the version you defined (do not click the View icon in the row that is marked "original" version).

3. Review each section of the defined CRF (click the tab for a section to show it), viewing drop-down lists, checking wording and arrangement of Items, and so on. Make notes of anything you want to change. If you need to make changes to the name or description, see [Edit a Defined CRF](#). If you want to, you can instead, [Replace the Defined CRF](#).

After completing all changes to a defined CRF, [assign the CRF to an Event Definition](#) for any of your

Studies.

3.4.8 Table of CRFs

The table of CRFs lists all versions of all defined CRFs in your OpenClinica system and provides access to features for managing the defined CRFs. The available features in the table depend on your User Role and User Type. To access the table of CRFs:

1. From the Tasks menu, in the Study Setup module, select Build Study.
The Build Study page opens.
2. For the Create CRF task, click the View icon.
The Manage Case Report Forms page opens.

CRF Name	Date Updated	Last Updated by	CRF_OID	Versions	Version_OID	Date Created	Owner	Status	Download	Actions
Adverse Events	05-Jul-2011	agoodwin	F_ADVERSEEVENT	(original)		05-Jul-2011	agoodwin	available		
				v1.0	F_ADVERSEEVENT_V10	05-Jul-2011	agoodwin	available		
				v1.2	F_ADVERSEEVENT_V12	05-Jul-2011	agoodwin	available		
Agent Administration	05-Jul-2011	agoodwin	F_AGENTADMINIS	(original)		05-Jul-2011	agoodwin	available		
				v1.0	F_AGENTADMINIS_V10	05-Jul-2011	agoodwin	available		
Concomitant Medications	05-Jul-2011	agoodwin	F_CONCOMITANTM	(original)		05-Jul-2011	agoodwin	available		
				v1.0	F_CONCOMITANTM_V10	05-Jul-2011	agoodwin	available		
Eligibility	05-Jul-2011	agoodwin	F_ELIGIBILITY	(original)		05-Jul-2011	agoodwin	available		
				v1.0	F_ELIGIBILITY_V10	05-Jul-2011	agoodwin	available		
Physical Exam	05-Jul-2011	agoodwin	F_PHYSICALEXAM	(original)		05-Jul-2011	agoodwin	available		
				English	F_PHYSICALEXAM_ENGLISH	05-Jul-2011	agoodwin	available		
				Español	F_PHYSICALEXAM_ESPAOL	05-Jul-2011	agoodwin	available		
Verification of Informed Consent	05-Jul-2011	agoodwin	F_VERIFICATION	(original)		05-Jul-2011	agoodwin	available		
				v2.0	F_VERIFICATION_V20	05-Jul-2011	agoodwin	available		

The CRFs table is the same table you can access from the Monitor and Manage Data module. In addition to using this table to create, modify, and remove defined CRFs as described in other topics on this page, you can use this table to:

- [View information about an original CRF and the details for each version](#)
- [Find and organize CRFs](#)

3.4.9 Edit the Defined CRF Name and Description

After adding a defined CRF to OpenClinica, you can change the Name and Description shown in OpenClinica for that CRF:

1. Access the [Table of CRFs](#).
2. For the CRF whose Name and/or Description you want to change, click the Edit icon in the Actions column.
The Update CRF Details page opens.

3. Change the Name and Description, then click Confirm.
The Confirm CRF Details page opens.

4. Click Submit.
The Table of CRFs page opens and shows the updated name for the CRF.

3.4.10 Create a New Version of a Defined CRF

You can make changes to a defined CRF that is already in your OpenClinica system.

Start by downloading the existing defined CRF from OpenClinica: see [Download an Existing Defined CRF](#) in [Create a CRF](#). Then make changes to defined CRF using Excel: see [Providing Content for a Defined CRF](#). Finally, upload the new version to OpenClinica. When you upload it, you can either:

- [Replace the existing version](#) (under certain conditions), or
- [Add the modified CRF as a new version](#)

3.4.10.1 Replace a Defined CRF

You can replace an existing version of a defined CRF under the following conditions:

- You must be the CRF's Owner, as listed in the Table of CRFs. The Owner is the user who uploaded the CRF you are replacing.
- The CRF cannot be assigned to any Event Definitions in any Studies.
- The values for CRF_NAME and VERSION for the CRF already in OpenClinica and the CRF you are replacing it with must match exactly.

If these conditions are not met, OpenClinica prevents you from replacing the CRF, but you can instead [Add it as a New Version of the CRF](#).


To replace a CRF:

1. Access the [Table of CRFs](#).

Manage Case Report Forms (CRFs)

Page 1 of 2 [▶](#) [▶▶](#) [Find](#) [Blank CRF Template](#) | [OpenClinica CRF Library](#) | [Create a New CRF](#)

CRF Name	Date Updated	Last Updated hv	CRF_OID	Versions	Version_OID	Date Created	Owner	Status	Download	Actions
Adverse Events	05-Jul-2011	agoodwin	F_ADVERSEEVENT	(original)		05-Jul-2011	agoodwin	available		🔍 ✎ ✖ 📄
				v1.0	F_ADVERSEEVENT_V10	05-Jul-2011	agoodwin	available	⬇	🔍 ✖ ✖
				v1.2	F_ADVERSEEVENT_V12	05-Jul-2011	agoodwin	available	⬇	🔍 ✖ ✖
Agent Administration	05-Jul-2011	agoodwin	F_AGENTADMINIS	(original)		05-Jul-2011	agoodwin	available		🔍 ✎ ✖ 📄
				v1.0	F_AGENTADMINIS_V10	05-Jul-2011	agoodwin	available	⬇	🔍 ✖ ✖
Concomitant Medications	05-Jul-2011	agoodwin	F_CONCOMITANTM	(original)		05-Jul-2011	agoodwin	available		🔍 ✎ ✖ 📄
				v1.0	F_CONCOMITANTM_V10	05-Jul-2011	agoodwin	available	⬇	🔍 ✖ ✖
Eligibility	05-Jul-2011	agoodwin	F_ELIGIBILITY	(original)		05-Jul-2011	agoodwin	available		🔍 ✎ ✖ 📄
				v1.0	F_ELIGIBILITY_V10	05-Jul-2011	agoodwin	available	⬇	🔍 ✖ ✖
Initial Treatment	13-Apr-2012	agoodwin	F_INITIALTREAT	(original)		13-Apr-2012	agoodwin	available		🔍 ✎ ✖ 📄
				v1.0	F_INITIALTREAT_V10	13-Apr-2012	agoodwin	available	⬇	🔍 ✖ ✖

- For the CRF you are replacing, click the Create New Version icon . The Create a CRF Version for ... page opens. In the example shown here, the CRF being replaced is Initial Treatment.

Create a CRF Version for Initial Treatment

You can download a blank OpenClinica CRF Excel spreadsheet template [here](#).

OpenClinica is tested and supported with the use of Microsoft Excel 97-2003. If you are using a more recent version of Excel, please use the options to "save as 97-2003 version".

MS Excel File To Upload: [Browse...](#)

[Preview CRF Version](#) [Exit](#)

- Click Browse, then navigate to the CRF you want to upload. Select the file and click Open.
- Click Preview CRF Version. The Create a New CRF Version - Confirm Delete Previous Same Version page opens. In the example, the v1.0 version of the Initial Treatment CRF is being replaced: the CRF you are uploading has the value v1.0 for VERSION, and Initial Treatment for CRF_NAME.

Create a New CRF Version - Confirm Delete Previous Same Version

The CRF version you try to upload already exists in the DB, are you sure you want to remove the previous one and upload it again?

[No, Go Back](#)
[Yes, Remove Previous Version](#)

Or you can change the version name and upload a different version of the CRF.

- Click Yes, Remove Previous Version. The Check CRF Version Data page opens, presenting a preview of the CRF in the OpenClinica web interface.
- Correct any errors as described in [Upload a Defined CRF](#) (step 6).
- After previewing the CRF and completing any changes, click Continue. The Create a New CRF Version - Data Committed Successfully page opens.
- Click Go back to the CRF List. The Manage CRFs page opens.

- There will be a new value for Date Updated if you the version you replaced was last uploaded on a previous date.
- There is a new Version_OID for the CRF you replaced. This is not the same as the value you specified for VERSION for the CRF, but is an internal identifier that OpenClinica uses to manage CRF versions.

Manage Case Report Forms (CRFs)											
Page 1 of 2 >>		<input type="text"/>		<input type="button" value="Find"/>		<input type="button" value="Blank CRF Template"/>		<input type="button" value="OpenClinica CRF Library"/>		<input type="button" value="Create a New CRF"/>	
CRF Name	Date Updated	Last Updated hv	CRF_OID	Versions	Version_OID	Date Created	Owner	Status	Download	Actions	
Adverse Events	05-Jul-2011	agoodwin	F_ADVERSEEVENT	(original)		05-Jul-2011	agoodwin	available			
				v1.0	F_ADVERSEEVENT_V10	05-Jul-2011	agoodwin	available			
				v1.2	F_ADVERSEEVENT_V12	05-Jul-2011	agoodwin	available			
Agent Administration	05-Jul-2011	agoodwin	F_AGENTADMINIS	(original)		05-Jul-2011	agoodwin	available			
				v1.0	F_AGENTADMINIS_V10	05-Jul-2011	agoodwin	available			
Concomitant Medications	05-Jul-2011	agoodwin	F_CONCOMITANTM	(original)		05-Jul-2011	agoodwin	available			
				v1.0	F_CONCOMITANTM_V10	05-Jul-2011	agoodwin	available			
Eligibility	05-Jul-2011	agoodwin	F_ELIGIBILITY	(original)		05-Jul-2011	agoodwin	available			
				v1.0	F_ELIGIBILITY_V10	05-Jul-2011	agoodwin	available			
Initial Treatment	13-Apr-2012	agoodwin	F_INITIALTREAT	(original)		13-Apr-2012	agoodwin	available			
				v1.0	F_INITIALTREAT_V10_4122	13-Apr-2012	agoodwin	available			

3.4.10.2 Add a New Version of a Defined CRF

For background information, see [About CRF Versions](#).

You can add a new version of a CRF to OpenClinica under the following conditions:

- The CRF_NAME in the new version of the defined CRF must match the CRF Name already in OpenClinica, but the value for VERSION must be different.
- For each ITEM_NAME, the DESCRIPTION, GROUP LABEL, and DATA_TYPE must exactly match the DESCRIPTION, GROUP LABEL, and DATA_TYPE already in OpenClinica. Changes to response sets are limited.

For more information, see [CRF Versioning](#) in the OpenClinica Technical Documentation.

When you add a new version of a CRF, the version already in OpenClinica remains. If you want to, you can [remove the previous version](#) from OpenClinica after adding the new version, or you can keep the previous version if you want users to be able to complete either versions going forward.

To add a new version:

1. Access the [Table of CRFs](#).

Manage Case Report Forms (CRFs)

Page 1 of 1 **Find** [Blank CRF Template](#) | [OpenClinica CRF Library](#) | [Create a New CRF](#)

CRF Name	Date Updated	Last Updated by	CRF_OID	Versions	Version_OID	Date Created	Owner	Status	Download	Actions
Adverse Events	05-Jul-2011	agoodwin	F_ADVERSEEVENT	(original)		05-Jul-2011	agoodwin	available		
				v1.0	F_ADVERSEEVENT_V10	05-Jul-2011	agoodwin	available		
				v1.2	F_ADVERSEEVENT_V12	05-Jul-2011	agoodwin	available		
Agent Administration	05-Jul-2011	agoodwin	F_AGENTADMINIS	(original)		05-Jul-2011	agoodwin	available		
				v1.0	F_AGENTADMINIS_V10	05-Jul-2011	agoodwin	available		
Concomitant Medications	05-Jul-2011	agoodwin	F_CONCOMITANTM	(original)		05-Jul-2011	agoodwin	available		
				v1.0	F_CONCOMITANTM_V10	05-Jul-2011	agoodwin	available		
Eligibility	05-Jul-2011	agoodwin	F_ELIGIBILITY	(original)		05-Jul-2011	agoodwin	available		
				v1.0	F_ELIGIBILITY_V10	05-Jul-2011	agoodwin	available		
Last Treatment	15-Apr-2012	agoodwin	F_LASTTREATMEN	(original)		15-Apr-2012	agoodwin	available		
				English	F_LASTTREATMEN_ENGLISH	15-Apr-2012	agoodwin	available		

- For the CRF to which you are adding a new version, click the Create New Version icon . The Create a CRF Version for ... page opens. In the example shown here, a new version (Español) is being added for the Last Treatment CRF.

Create a CRF Version for Last Treatment

You can download a blank OpenClinica CRF Excel spreadsheet template [here](#).

OpenClinica is tested and supported with the use of Microsoft Excel 97-2003. If you are using a more recent version of Excel, please use the options to "save as 97-2003 version".

MS Excel File To Upload: **Browse...**

Preview CRF Version **Exit**

- Click Browse, then navigate to the CRF you want to upload. Select the file and click Open.
- Click Preview CRF Version. The Check CRF Version Data page opens, presenting a preview of the defined CRF in the OpenClinica web interface.
- Correct any errors as described in [Upload a Defined CRF](#) (step 6).
- After previewing the CRF and making changes, click Continue. The Create a New CRF Version - Data Committed Successfully page opens.
- Click Go back to the CRF List. The Manage CRFs page opens. The version of the CRF you added is listed in the table.

Manage Case Report Forms (CRFs)

Page 1 of 1 **Find** [Blank CRF Template](#) | [OpenClinica CRF Library](#) | [Create a New CRF](#)

CRF Name	Date Updated	Last Updated by	CRF_OID	Versions	Version_OID	Date Created	Owner	Status	Download	Actions
Adverse Events	05-Jul-2011	agoodwin	F_ADVERSEEVENT	(original)		05-Jul-2011	agoodwin	available		
				v1.0	F_ADVERSEEVENT_V10	05-Jul-2011	agoodwin	available		
				v1.2	F_ADVERSEEVENT_V12	05-Jul-2011	agoodwin	available		
Agent Administration	05-Jul-2011	agoodwin	F_AGENTADMINIS	(original)		05-Jul-2011	agoodwin	available		
				v1.0	F_AGENTADMINIS_V10	05-Jul-2011	agoodwin	available		
Concomitant Medications	05-Jul-2011	agoodwin	F_CONCOMITANTM	(original)		05-Jul-2011	agoodwin	available		
				v1.0	F_CONCOMITANTM_V10	05-Jul-2011	agoodwin	available		
Eligibility	05-Jul-2011	agoodwin	F_ELIGIBILITY	(original)		05-Jul-2011	agoodwin	available		
				v1.0	F_ELIGIBILITY_V10	05-Jul-2011	agoodwin	available		
Last Treatment	15-Apr-2012	agoodwin	F_LASTTREATMEN	(original)		15-Apr-2012	agoodwin	available		
				English	F_LASTTREATMEN_ENGLISH	15-Apr-2012	agoodwin	available		
				Espanol	F_LASTTREATMEN_ESPANOL	15-Apr-2012	agoodwin	available		

Now, when a user [enters Event Data for a Subject](#), they can choose which version of the defined CRF to use. For the example, Last Treatment, the user can choose the English or Espanol version.

Enter or Validate Data for CRFs in Follow-up Treatment

[Edit Study Event](#)

Study Subject ID	SMC101
Study Event	Follow-up Treatment
Location	N/A
Study Subject OID	SS_SMC101
Start Date	27-Jul-2011
End Date/Time	
Subject Event Status	scheduled
Last Updated by	()

CRFs in this Study Event:

CRF Name	Version	Status	Initial Data Entry	Double Data Entry	Actions
Agent Administration	v1.0				
Concomitant Medications	v1.0				
Physical Exam	English				
Last Treatment	English				

[View this Subject's Record](#) [Exit](#)

3.4.11 Remove, Restore, and Delete Defined CRFs

If your [User Type has appropriate permission](#), you can perform the following actions on defined CRFs or versions you no longer want to use:

- Delete a version of a CRF if it has not been used for data entry for any Subjects and you no longer want the CRF in your OpenClinica system for potential use in any Studies. You cannot recover the CRF after its been deleted.

- Remove a version of the CRF if it has been used for data entry for Subjects, to prevent its use going forward. Data captured using this version of the CRF is not included in data extracts whose definition specifies that CRF. You can restore a version of the CRF that's been removed.
- Restore a version of the CRF that has previously been removed, which allows it to again be used for data entry for Subjects.
- Remove the "original" (parent) CRF to prevent any versions of that CRF to be used going forward, and to prevent the CRF from being assigned to any more Event Definitions. You can restore the parent CRF, and all versions, after it has been removed. Data captured using any versions of the CRF is not included in data extracts whose definition specifies that CRF.
- Restore an "original" CRF that has previously been removed, which allows any versions of that CRF to be used going forward, and allows the CRF to be assigned to Event Definitions.
- Archive a version of the CRF to prevent it from being added to any more Event Definitions. Data previously captured using that version of the CRF is included in data extracts whose definition specifies that CRF. Instructions to archive a CRF are in [Administer CRFs](#).

Delete a CRF Version

Delete a version of a defined CRF if it has not been used for data entry for any Subjects. A deleted version of a CRF cannot be restored. To delete a version of a CRF:

1. Access the [Table of CRFs](#).

Manage Case Report Forms (CRFs)										
CRF Name	Date Updated	Last Updated by	CRF_OID	Versions	Version_OID	Date Created	Owner	Status	Download	Actions
Adverse Events	05-Jul-2011	agoodwin	F_ADVERSEEVENT	(original)		05-Jul-2011	agoodwin	available		
				v1.0	F_ADVERSEEVENT_V10	05-Jul-2011	agoodwin	available		
				v1.2	F_ADVERSEEVENT_V12	05-Jul-2011	agoodwin	available		
Agent Administration	05-Jul-2011	agoodwin	F_AGENTADMINIS	(original)		05-Jul-2011	agoodwin	available		
				v1.0	F_AGENTADMINIS_V10	05-Jul-2011	agoodwin	available		
Concomitant Medications	05-Jul-2011	agoodwin	F_CONCOMITANTM	(original)		05-Jul-2011	agoodwin	available		
				v1.0	F_CONCOMITANTM_V10	05-Jul-2011	agoodwin	available		
Eligibility	05-Jul-2011	agoodwin	F_ELIGIBILITY	(original)		05-Jul-2011	agoodwin	available		
				v1.0	F_ELIGIBILITY_V10	05-Jul-2011	agoodwin	available		
Last Treatment	15-Apr-2012	agoodwin	F_LASTTREATMEN	(original)		15-Apr-2012	agoodwin	available		
				English	F_LASTTREATMEN_ENGLISH	15-Apr-2012	agoodwin	available		
				Espanol	F_LASTTREATMEN_ESPANOL	15-Apr-2012	agoodwin	available		

2. For the version of the CRF you want to delete, click the Delete icon . For the example, the Espanol version of the Last Treatment CRF is being deleted. The Confirm Deletion of CRF Version page opens.

Confirm Deletion of CRF Version

You choose to DELETE the following CRF Version permanently, please notice that it CANNOT be restored in the future

Name:	Espanol
Description:	Last Treatment, Spanish

- Click Delete CRF Version, then click OK in the confirmation dialog box. The Manage CRFs page opens. The version of the CRF you deleted no longer appears in the table.

Manage Case Report Forms (CRFs)

Page 1 of 1 [Blank CRF Template](#) | [OpenClinica CRF Library](#) | [Create a New CRF](#)

CRF Name	Date Updated	Last Updated by	CRF_OID	Versions	Version_OID	Date Created	Owner	Status	Download	Actions
Adverse Events	05-Jul-2011	agoodwin	F_ADVERSEEVENT	(original)		05-Jul-2011	agoodwin	available		
				v1.0	F_ADVERSEEVENT_V10	05-Jul-2011	agoodwin	available		
				v1.2	F_ADVERSEEVENT_V12	05-Jul-2011	agoodwin	available		
Agent Administration	05-Jul-2011	agoodwin	F_AGENTADMINIS	(original)		05-Jul-2011	agoodwin	available		
				v1.0	F_AGENTADMINIS_V10	05-Jul-2011	agoodwin	available		
Concomitant Medications	05-Jul-2011	agoodwin	F_CONCOMITANTM	(original)		05-Jul-2011	agoodwin	available		
				v1.0	F_CONCOMITANTM_V10	05-Jul-2011	agoodwin	available		
Eligibility	05-Jul-2011	agoodwin	F_ELIGIBILITY	(original)		05-Jul-2011	agoodwin	available		
				v1.0	F_ELIGIBILITY_V10	05-Jul-2011	agoodwin	available		
Last Treatment	15-Apr-2012	agoodwin	F_LASTTREATMEN	(original)		15-Apr-2012	agoodwin	available		
				English	F_LASTTREATMEN_ENGLISH	15-Apr-2012	agoodwin	available		

If you try to delete a version of a CRF that has already been used to enter Subject data, OpenClinica prevents you and displays the following:

OpenClinica ENTERPRISE Home | Subject Matrix | Notes & Discrepancies | Study Audit Log | Tasks | Report Issue | Support

Alerts & Messages
 This CRF version English has associated study event definitions and cannot be deleted.

Instructions
Info

Confirm Deletion of CRF Version

You choose to DELETE the following CRF Version permanently, please notice that it CANNOT be restored in the future

Name: English
 Description: Last Treatment

Associated Event Definitions

Study Event	Study ID	Date Created	Owner
Follow-up Treatment	3	15-Apr-2012	agoodwin

[Go Back to CRF List](#)

Remove a CRF Version

If a version of a defined CRF has been used for data entry for Subjects, you can prevent its use going forward by removing it. A version of a CRF that has been removed can be restored. To remove a version of the CRF:

- Access the [Table of CRFs](#).
- For the version of the CRF you want to remove, click the Remove icon . For the example shown here, the Last Treatment CRF, English version, is being removed. The Confirm Removal of CRF Version page opens. It lists the Event CRFs and Subjects who have had data entered using that version of the CRF.

Confirm Removal of CRF Version


You choose to remove the following CRF Version:

Name:	English
Description:	Last Treatment

Associated Event CRFs














































Study Subject Label	Study Event	Repeat Number	Date Interviewed
SCRC001	Follow-up Treatment	1	

[Remove CRF Version](#) [Cancel](#)

3. Click Remove CRF Version, and then click OK in the confirmation dialog box. The Manage CRFs page opens. The version of the CRF you removed is listed, but with a Restore icon  instead of a Remove icon in the Actions column and a Status of "removed".

Manage Case Report Forms (CRFs)

Page 1 of 1 [Find](#) [Blank CRF Template](#) | [OpenClinica CRF Library](#) | [Create a New CRF](#)

CRF Name 	Date Updated	Last Updated by	CRF_OID	Versions	Version_OID	Date Created	Owner	Status	Download	Actions
Adverse Events	05-Jul-2011	agoodwin	F_ADVERSEEVENT	(original)		05-Jul-2011	agoodwin	available		   
				v1.0	F_ADVERSEEVENT_V10	05-Jul-2011	agoodwin	available		  
				v1.2	F_ADVERSEEVENT_V12	05-Jul-2011	agoodwin	available		  
Agent Administration	05-Jul-2011	agoodwin	F_AGENTADMINIS	(original)		05-Jul-2011	agoodwin	available		   
				v1.0	F_AGENTADMINIS_V10	05-Jul-2011	agoodwin	available		  
Concomitant Medications	05-Jul-2011	agoodwin	F_CONCOMITANTM	(original)		05-Jul-2011	agoodwin	available		   
				v1.0	F_CONCOMITANTM_V10	05-Jul-2011	agoodwin	available		  
Eligibility	05-Jul-2011	agoodwin	F_ELIGIBILITY	(original)		05-Jul-2011	agoodwin	available		   
				v1.0	F_ELIGIBILITY_V10	05-Jul-2011	agoodwin	available		  
Last Treatment	15-Apr-2012	agoodwin	F_LASTTREATMEN	(original)		15-Apr-2012	agoodwin	available		   
				English	F_LASTTREATMEN_ENGLISH	15-Apr-2012	agoodwin	removed		  

After removing the version of the CRF, you can still view the CRF and can still view Subject data for that version of the CRF, as shown below, however you cannot change any of the data. The status of the CRF for the Subject is "locked":

View Subject: SCRC001

Study Subject Record
Events

Page 1 of 1 **Find** [Schedule New Event](#)

Event (Occurrence Number)	Start Date	Location	Status	Actions	CRFs (Name, Version, Status, Updated, Actions)
Follow-up Treatment (1)	15-Apr-2012		data entry started	 	Agent Administration v1.0
					Concomitant Medications v1.0
					Physical Exam English
					Last Treatment English 15-Apr-2012 (agoodwin)
Registration Visit	01-Jul-2011		signed	 	Eligibility v1.0 <input checked="" type="checkbox"/> 06-Jul-2011 (tkatz)
					Physical Exam English <input checked="" type="checkbox"/> 06-Jul-2011 (tkatz)
					Verification of Informed Consent v2.0 <input checked="" type="checkbox"/> 06-Jul-2011 (tkatz)
Initial Treatment	20-Jun-2011		data entry started	 	Concomitant Medications v1.0
					Physical Exam English
					Agent Administration v1.0 <input checked="" type="checkbox"/> 05-Jul-2011 (agoodwin)

[Group](#)
[Global Subject Record](#)
[Go Back to Subject List](#)

After removing a version of the CRF, it is no longer available for you to choose from when you enter data for any other Subjects for that CRF.

Restore a CRF Version

After removing a version of a defined CRF, you can restore it to make it available for use for entering Subject data. To restore a version of the CRF:

1. Access the [Table of CRFs](#).
2. For the version of the CRF you want to restore, click the Restore icon . For the example shown here, the Last Treatment CRF, English version, is being restored. The Confirm Restore of CRF Version page opens. It lists the Event CRFs and Subjects who have had data entered using that version of the CRF.

Confirm Restore of CRF Version

You choose to restore the following CRF version:

Name:	English
Description:	Last Treatment

Associated Event CRFs

Study Event ID	Date Interviewed	Status
85		auto-removed

[Restore CRF Version](#)

- Click Restore CRF Version, then click OK in the confirmation dialog box.
The Manage CRFs page opens. The CRF you restored is listed with a status of "available."

Manage Case Report Forms (CRFs)

Page 1 of 1

CRF Name	Date Updated	Last Updated by	CRF_OID	Versions	Version_OID	Date Created	Owner	Status	Download	Actions
Adverse Events	05-Jul-2011	agoodwin	F_ADVERSEEVENT	(original)		05-Jul-2011	agoodwin	available		
				v1.0	F_ADVERSEEVENT_V10	05-Jul-2011	agoodwin	available		
				v1.2	F_ADVERSEEVENT_V12	05-Jul-2011	agoodwin	available		
Agent Administration	05-Jul-2011	agoodwin	F_AGENTADMINIS	(original)		05-Jul-2011	agoodwin	available		
				v1.0	F_AGENTADMINIS_V10	05-Jul-2011	agoodwin	available		
Concomitant Medications	05-Jul-2011	agoodwin	F_CONCOMITANTM	(original)		05-Jul-2011	agoodwin	available		
				v1.0	F_CONCOMITANTM_V10	05-Jul-2011	agoodwin	available		
Eligibility	05-Jul-2011	agoodwin	F_ELIGIBILITY	(original)		05-Jul-2011	agoodwin	available		
				v1.0	F_ELIGIBILITY_V10	05-Jul-2011	agoodwin	available		
Last Treatment	15-Apr-2012	agoodwin	F_LASTTREATMEN	(original)		15-Apr-2012	agoodwin	available		
				English	F_LASTTREATMEN_ENGLISH	15-Apr-2012	agoodwin	available		

Remove the Original Version of a CRF

You can remove the original (parent) version of a defined CRF, which automatically removes all versions of the CRF. To remove the original version of a CRF:

- Access the [Table of CRFs](#).
- For the CRF you want to remove, click the Remove icon in the row for the version "original". For the example shown, the Last Treatment CRF is being removed. The Confirm Removal of CRF page opens. It lists all versions of that CRF and all Event Definitions to which the CRF has been assigned.

Confirm Removal of CRF

You choose to remove the following CRF:

Name:	Last Treatment
Description:	Last Treatment

CRF Versions

CRF Name	Version Name	Description	Status	Revision Notes
Last Treatment	English	Last Treatment	available	

Event CRFs

Study Event	Date Interviewed	Status
Follow-up Treatment		available

- Click Remove CRF, then click OK in the confirmation dialog box.
The Manage CRFs page opens. The CRF you removed is listed, but with a Restore icon instead of a Remove icon in the Actions column and a Status of "removed." All versions of the CRF are listed, but with a status of "auto-removed."

Manage Case Report Forms (CRFs)

Page 1 of 1 [Blank CRF Template](#) | [OpenClinica CRF Library](#) | [Create a New CRF](#)

CRF Name	Date Updated	Last Updated by	CRF_OID	Versions	Version_OID	Date Created	Owner	Status	Download	Actions
Adverse Events	05-Jul-2011	agoodwin	F_ADVERSEEVENT	(original)		05-Jul-2011	agoodwin	available		
				v1.0	F_ADVERSEEVENT_V10	05-Jul-2011	agoodwin	available		
				v1.2	F_ADVERSEEVENT_V12	05-Jul-2011	agoodwin	available		
Agent Administration	05-Jul-2011	agoodwin	F_AGENTADMINIS	(original)		05-Jul-2011	agoodwin	available		
				v1.0	F_AGENTADMINIS_V10	05-Jul-2011	agoodwin	available		
Concomitant Medications	05-Jul-2011	agoodwin	F_CONCOMITANTM	(original)		05-Jul-2011	agoodwin	available		
				v1.0	F_CONCOMITANTM_V10	05-Jul-2011	agoodwin	available		
Eligibility	05-Jul-2011	agoodwin	F_ELIGIBILITY	(original)		05-Jul-2011	agoodwin	available		
				v1.0	F_ELIGIBILITY_V10	05-Jul-2011	agoodwin	available		
Last Treatment	15-Apr-2012	agoodwin	F_LASTTREATMEN	(original)		15-Apr-2012	agoodwin	available		
				English	F_LASTTREATMEN_ENGLISH	15-Apr-2012	agoodwin	removed		

After removing the original version of a defined CRF, any Event Definitions to which the CRF was assigned list the CRF, but show the status as auto-removed. When you are adding CRFs to Event Definitions, the removed CRF is not listed for you to choose from.

Note: you cannot delete the original version of a defined CRF.

Restore the Original Version of a CRF

After removing the original version of a CRF, you can restore it. Restoring the original CRF restores all versions of it to all Event Definitions in all Studies to which the CRF was assigned. To restore the original version of a CRF:

1. Access the [Table of CRFs](#).
2. For the CRF you want to restore, click the Restore icon in the row for the version "original." For the example shown, the Last Treatment CRF is being restored. The Confirm Restore of CRF page opens. It lists CRF versions for that CRF and all Event Definitions to which the CRF has been assigned.

Confirm Restore of CRF

You choose to restore the following CRF:

Name:	Last Treatment
Description:	Last Treatment

CRF Versions

Version Name	Description	Status	Revision Notes
English	Last Treatment	auto-removed	

Event CRFs

Study Event ID	Date Interviewed	Status
85		auto-removed

3. Click Restore CRF, then click OK in the confirmation dialog box. The Manage CRFs page opens. It lists the CRF you restored and all versions of it with a status

of "available."

Manage Case Report Forms (CRFs)

Page 1 of 1 [Find](#) [Blank CRF Template](#) | [OpenClinica CRF Library](#) | [Create a New CRF](#)

CRF Name	Date Updated	Last Updated by	CRF_OID	Versions	Version_OID	Date Created	Owner	Status	Download	Actions
Adverse Events	05-Jul-2011	agoodwin	F_ADVERSEEVENT	(original)		05-Jul-2011	agoodwin	available		
				v1.0	F_ADVERSEEVENT_V10	05-Jul-2011	agoodwin	available		
				v1.2	F_ADVERSEEVENT_V12	05-Jul-2011	agoodwin	available		
Agent Administration	05-Jul-2011	agoodwin	F_AGENTADMINIS	(original)		05-Jul-2011	agoodwin	available		
				v1.0	F_AGENTADMINIS_V10	05-Jul-2011	agoodwin	available		
Concomitant Medications	05-Jul-2011	agoodwin	F_CONCOMITANTM	(original)		05-Jul-2011	agoodwin	available		
				v1.0	F_CONCOMITANTM_V10	05-Jul-2011	agoodwin	available		
Eligibility	05-Jul-2011	agoodwin	F_ELIGIBILITY	(original)		05-Jul-2011	agoodwin	available		
				v1.0	F_ELIGIBILITY_V10	05-Jul-2011	agoodwin	available		
Last Treatment	15-Apr-2012	agoodwin	F_LASTTREATMEN	(original)		15-Apr-2012	agoodwin	available		
				English	F_LASTTREATMEN_ENGLISH	15-Apr-2012	agoodwin	available		