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**Chapter**

**4**

**Data  
Dictionary - Form  
Structures**



## CHAPTER 4 – DATA DICTIONARY

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**T**he **Data Dictionary** module is used for defining data elements and form structures. Data Dictionary allows users to search, create and manage Common Data Elements (CDE) and Unique Data Elements (UDE), create and manage form structures (FS) and electronic forms (eFORMS).

The Data Dictionary module is closely related to the Data Repository module which provides long term repository for research data.

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### 4.1 OBJECTIVE

This chapter provides information for users on how to:

- ❖ Browse existing Form Structures (4.5.3)
  - ❖ Search Form Structures (4.5.5)
  - ❖ Create Form Structures (4.5.6)
  - ❖ Import Form Structures (4.5.22)
  - ❖ Browse existing Data Elements
  - ❖ Search Data Elements
  - ❖ Create Data Elements
  - ❖ Import Data Elements
  - ❖ Browse existing eForms
  - ❖ Search eForms
  - ❖ Create eForms
- 

### 4.2 SYSTEM FUNCTIONS

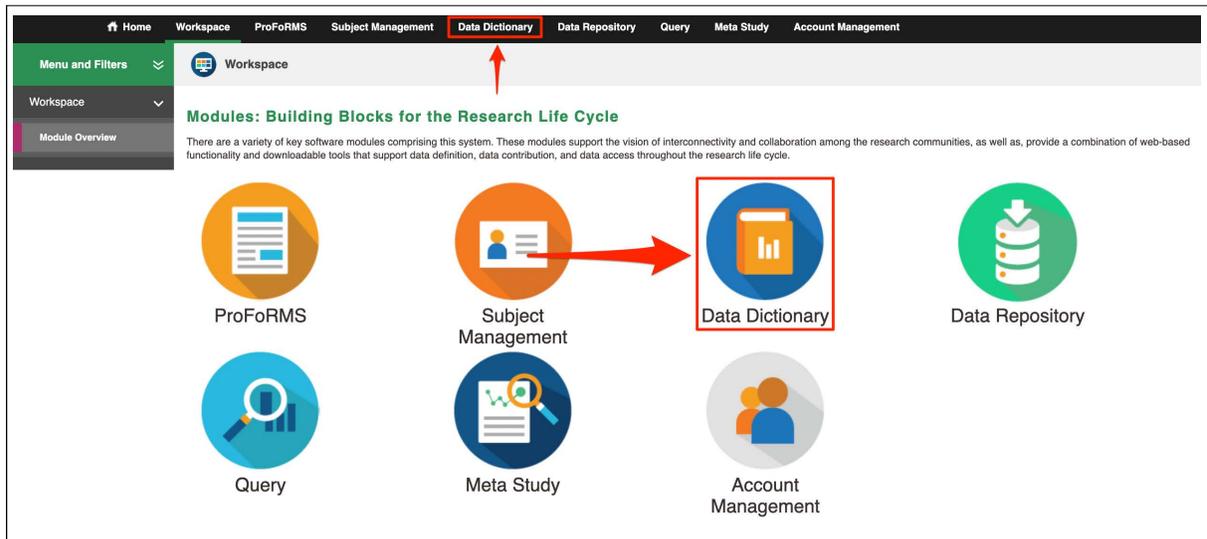
The Data Dictionary module provides the tools for defining the data you submit as well as provide alternate terms (aliasing) and translation rules for the same element. Importantly, the BRICS data dictionary provides those who have access to the data with clear and precise information about what it is they are accessing.

### 4.3 MODULE NAVIGATION

The **Data Dictionary** module (including sub-modules) are available within the BRICS Workspace.

**To Access the Data Dictionary Module:** Perform the following actions:

1. Login to the system.
2. Navigate to the Workspace landing page
3. Click the **Data Dictionary** module icon or link on the navigation bar.



### 4.4 DATA DICTIONARY MODULE CAPABILITIES

The **Data Dictionary Module** provides useful features for:

- ❖ Searching Form Structures
- ❖ Creating Form Structures
- ❖ Searching Data Elements
  - Downloading Data Elements Results to XML, CSV and ZIP output formats
- ❖ Creating Data Elements
- ❖ Importing Data Elements
- ❖ Searching eFORMs
- ❖ Creating e-Form
  - Add Section
  - Add Data Element
  - Add Text
  - Edit Form Layout
  - Save eFORM

## 4.5 Form Structures

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A form structure (FS) is a presentation of a given CRF in BRICS system. A form structure represents an organized grouping/collection of various data elements (CDEs and UDEs). A form structure is analogous to a case report form (CRF) (electronic or paper) where data elements are linked together for collection and display.

**Form Structures** are used for:

❖ **Data Submission:**

The Form Structure is used as a container for submitting data via the Submission Tool validation process and upload the data to the Data Repository

❖ **Creating eFORMs (eCRFs) and collect data.**

The form structure provides a structure (or a template) for a form and a container for active data collection.

❖ **Querying Data:**

The form structure assures that uploaded/collected data are properly represented and queryable by the Query Tool.

### 4.5.1 Form Structures Publication

The four different **Status Types** of Form Structures; **Draft**, **Awaiting Publication**, **Published**, and **Shared Draft**. After creating a Form Structure, it will be placed into Draft status. The owner, or an admin, can request publication for the Form Structure, in which the status will be changed to **Awaiting Publication**. While in **Awaiting Publication** it is viewable by all users, including the public site.

After it has been reviewed and approved by an admin it's status will change to **Published** and can be used for **Data Submission**.

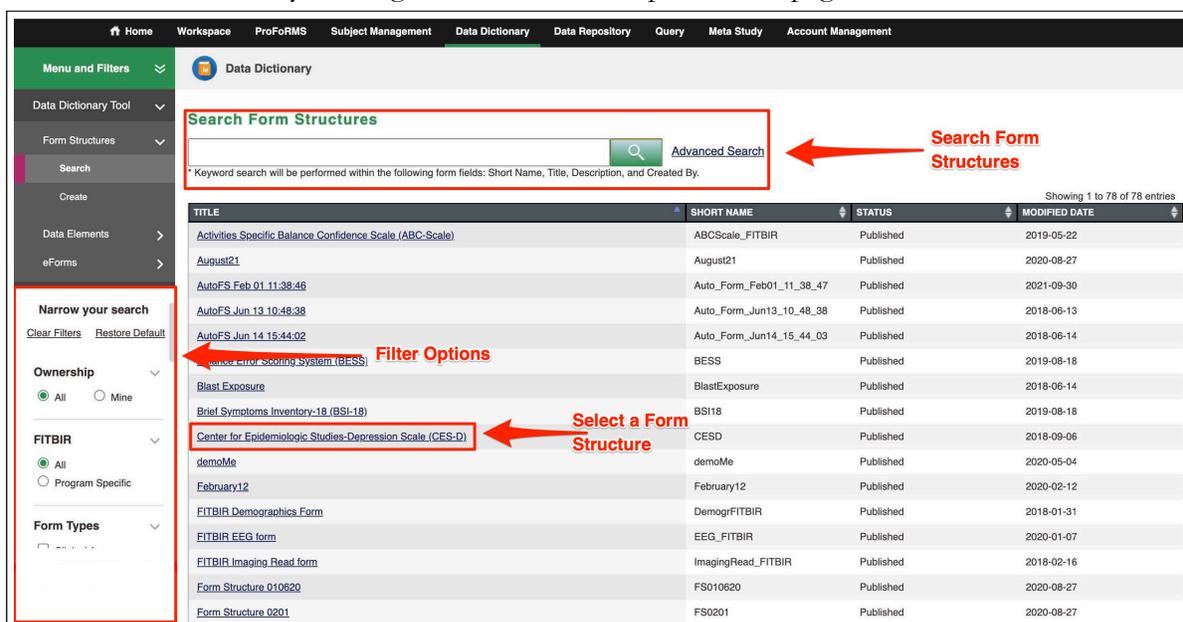
See the table below for details on the status's and their corresponding attributes.

Type	Description	Visibility	Editable?	Data Validation?	Data Submission?
<b>Draft</b>	In a process of development	Required to log in into portal. Available for the owner, admin and to whom were given permissions only	Yes	Yes	No
<b>Awaiting publication</b>	A publication has been requested for this FS	All users, including the public site	Yes	Yes	No
<b>Published</b>	The FS which is available for public use	All users, including the public site	Limited. Can edit Title, Description, add/remove documentation.	Yes	Yes
<b>Shared Draft</b>	Form structures were created by the <a href="#">NINDS CDE Project</a> . Provide recommendations for investigators of which CDEs to use.	All uses including the public site	Yes	No	No

### 4.5.3 Browse Form Structures

When you click the Data Dictionary module icon, you are automatically redirected to the Data Dictionary>Search Form Structures page, which by default lists all published form structures which exists in a given instance of BRICS.. On that page you can:

1. Browse FS
2. Sort/filter FS by title (alphabetically), short name, status and modified date
3. View the FS by clicking on FS title, it will open the FS page for view.



**Search Form Structures**

\*Keyword search will be performed within the following form fields: Short Name, Title, Description, and Created By.

TITLE	SHORT NAME	STATUS	MODIFIED DATE
Activities Specific Balance Confidence Scale (ABC-Scale)	ABCScale_FITBIR	Published	2019-05-22
August21	August21	Published	2020-08-27
AutoFS_Feb_01_11_38_46	Auto_Form_Feb01_11_38_47	Published	2021-09-30
AutoFS_Jun_13_10_48_38	Auto_Form_Jun13_10_48_38	Published	2018-06-13
AutoFS_Jun_14_15_44_02	Auto_Form_Jun14_15_44_03	Published	2018-06-14
Center for Epidemiologic Studies-Depression Scale (CES-D)	CESD	Published	2018-09-06
demoMe	demoMe	Published	2020-05-04
February12	February12	Published	2020-02-12
FITBIR Demographics Form	DemogrFITBIR	Published	2018-01-31
FITBIR EEG form	EEG_FITBIR	Published	2020-01-07
FITBIR Imaging Read form	ImagingRead_FITBIR	Published	2018-02-16
Form Structure 010620	FS010620	Published	2020-08-27
Form Structure 0201	FS0201	Published	2020-08-27

### 4.5.4 Filter Form Structures

In order to limit the number of form structures displayed in the Data Dictionary, BRICS provides options to filter form structures by the set of pre-defined filters, organized as check boxes. The list of filter options is shown below.

Default filter settings depend on the BRICS instance and can be set up when the BRICS instance is first set up. Default filter settings for FITBIR, are shown on the figure at the end of this chapter.

- ❖ Clear Filters – clears all filters showing all Form Structures.
- ❖ Restore Default- restores filter settings default for the given instance of BRICS.

- ❖ **Ownership:** To search for FS by ownership. All – shows all FS. Mine – only FS data you own
- ❖ **Instance of BRICS Program (e.g. FITBIR) (All, Specific):**
  - All – shows all FS
  - Program Specific- shows only those FS which are defined as recommended/specific by the program.
- ❖ **Form Types:**
  - **Clinical Assessment:** FS which created to collect clinical data
  - **Omics:** FS which created to collect Genomics, Proteomics and like data
  - **Imaging:** FS created to collect imaging data
  - **Preclinical:** FS created to collect preclinical data
- ❖ **Standardization:**
  - **Standard** form structures (FS) are created based on the standard instruments/scales/batteries. NINDS/BRICS defined standard instruments as those which 1) have publications, seminal papers, validity research, which describes their creation, properties, administration, etc. 2) have well defined documentation and 3) widely used in the community
  - **Standard NINDS CDE** FS – is a sub-set of Standard FS, limited to those which are recommended by NINDS to use for a particular disease category. More can be found here - <https://www.commondataelements.ninds.nih.gov/>
  - **Standard Modified** – is a FS which created based on a modified standard instrument. Some teams choose to modify standard instruments, so we use this standardization to accommodate it.
  - **Appendix-** is a FS created to provide additional DEs for a standard and Standard NINDS FS, to accommodate additional data, which do not fit into Standard FS. BRICS has special naming conventions for appendices.
  - **Unique** – a FS based on a unique study specific form/instrument
- ❖ **Labels:** Filters FS by the custom labels assigned to FS in a given BRICS instance. Assigning labels is admin privilege.
- ❖ **Status:** **Draft, Awaiting Publication, Published, Archived, Shared Draft**
- ❖ **Form Copyright Status:** **All, Copyrighted, Non-Copyrighted**
- ❖ **Diseases:** BRICS has an option to assign a given FS to a specific disease category. This allows to separate FS created for specific disease needs. Click "more" in the filter list to see all currently supported diseases.

**Narrow your search**

[Clear Filters](#) [Restore Default](#)

**Ownership** ▾

All  Mine

**FITBIR** ▾

All  Program Specific

**Form Types** ▾

Clinical Assessment

Omics

Imaging

Preclinical

**Standardization** ▾

Standard NINDS CDE

Standard

Standard Modified

Appendix

Unique

**Labels** ▾

February

January

NEUROPATH ASSESSMENTS

Nov

November [more](#)

**Status** ▾

Draft

Awaiting Publication

Published

Archived

Shared Draft

**Form Copyright Status**

All

Copyrighted

Non-Copyrighted

**Diseases** ▾

General (For all diseases)

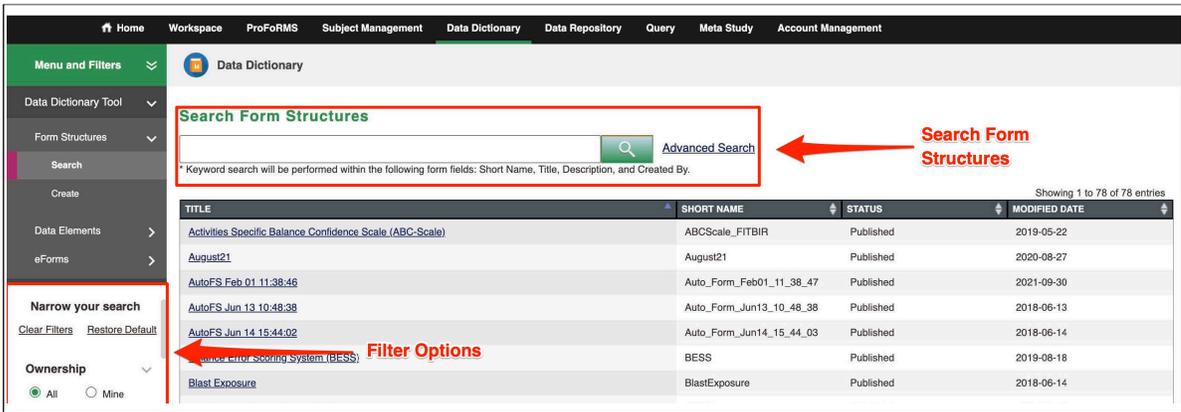
Parkinson's Disease

Traumatic Brain Injury [more](#)

## 4.5.5 Search Form Structures

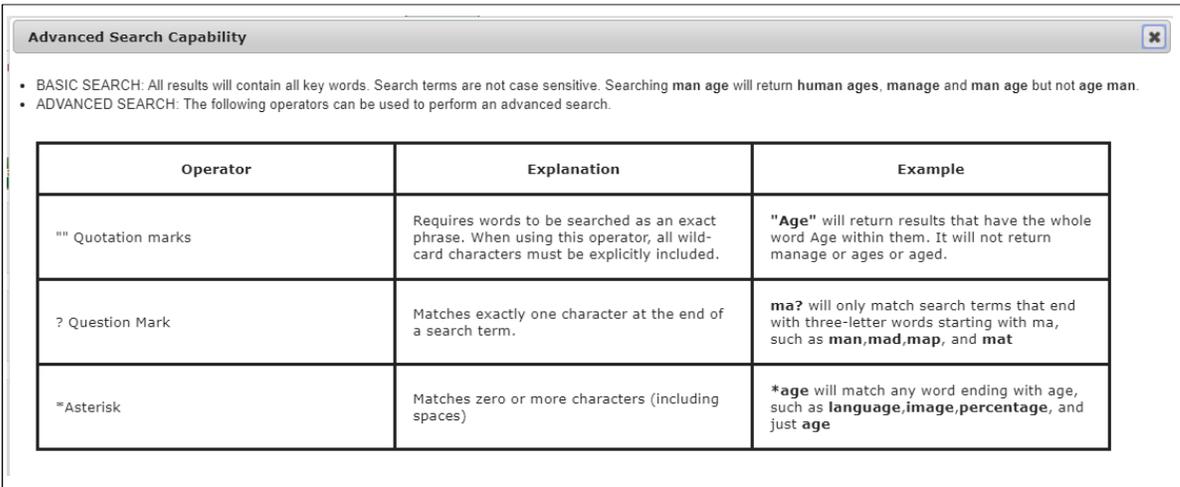
To Search Form Structures: Perform the following actions:

1. Navigate to the **Data Dictionary** module. The Search Form Structures page appears.
2. In the search textbox, enter the search keyword to search. Keyword search will be performed within the form fields using the **Short Name, Title, Description and Created By**.
3. Click the **Magnify Glass icon**. The system will perform the search you specified.
4. You may also consider using **Advanced Search option** to make your search more specific.
5. By default, the search is performed within the limits defined by filter settings (refer to section 4.5.3.). Which means if you cannot find the FS in question, click **clear filters** and try again.



The screenshot shows the 'Data Dictionary' interface. The search bar contains 'Search Form Structures' and has a magnifying glass icon and an 'Advanced Search' link. Below the search bar, a table displays search results with columns: TITLE, SHORT NAME, STATUS, and MODIFIED DATE. The table lists several entries, including 'Activities\_Specific Balance Confidence Scale (ABC-Scale)', 'August21', and 'AutoFS Jun 13 10:48:38'. A red box highlights the search bar and the 'Advanced Search' link, with an arrow pointing to it labeled 'Search Form Structures'. Another red box highlights the 'Clear Filters' and 'Restore Default' links, with an arrow pointing to it labeled 'Filter Options'.

6. Advance Search provides the following search options, which can be viewed by clicking on the Advances Search link.



The screenshot shows the 'Advanced Search Capability' dialog box. It contains a table with columns: Operator, Explanation, and Example. The table lists three operators: Quotation marks, Question Mark, and Asterisk, with their respective explanations and examples.

Operator	Explanation	Example
"" Quotation marks	Requires words to be searched as an exact phrase. When using this operator, all wild-card characters must be explicitly included.	"Age" will return results that have the whole word Age within them. It will not return manage or ages or aged.
? Question Mark	Matches exactly one character at the end of a search term.	ma? will only match search terms that end with three-letter words starting with ma, such as man,mad,map, and mat
*Asterisk	Matches zero or more characters (including spaces)	*age will match any word ending with age, such as language,image,percentage, and just age

### 4.5.6 Create Form Structures

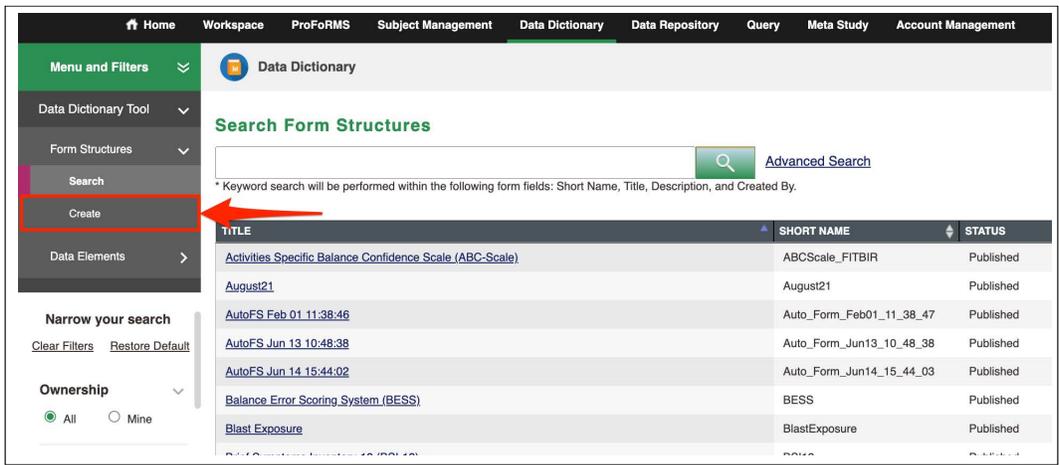
To be able to create form structures in BRICS, you should have the permissions to do that in [Data Dictionary](#). Permissions/privileges are assigned to the user when he/she is requesting an account to the BRICS instance.

There are two distinct steps for creating a Form Structure in BRICS:

- ❖ Without the Form Structure Template and;
- ❖ With the Form Structure Template, refer to 5.1.19

**To Create Form Structures Without Using the Form Structure Template:** Perform the following actions:

1. Login to the system.
2. Navigate to the Data Dictionary module. The Search Form Structures page appears.
3. In the left navigation click **Create** under **Form Structures**



4. Follow the process as it is guided by chevrons. Each chevron page has a lot of information, helping you to fill out all required fields.

Home Workspace ProFoRMS Subject Management **Data Dictionary** Data Repository Query Meta Study Account Management

Menu and Filters

Data Dictionary Tool

Form Structures

Search

Create

Data Elements

eForms

Data Dictionary

1. Basic Information 2. Documentation 3. Data Elements 4. Permissions 5. Review

### Create Form Structure

A form structure represents a grouping/collection of various common data elements (CDE) and data elements used to gather information for a study. A form structure is analogous to a case report form (CRF) (electronic or paper) where data elements are linked together for collection and display.

Fill out the details below to create a form structure. On the following pages, you may attach data elements and apply permissions.

#### General Details

Fields marked with a \* are required.

Title \* :

Short Name \* :

Description \* :

Disease \* : 

- Spinal Cord Injury
- Spinal Muscular Atrophy
- Stroke
- Traumatic Brain Injury

Organization:

Form Type \* : - Select One -

Standardization \* : - Select One -

Label: - Select One or More -

- February
- January
- NEUROPATH ASSESSMENTS

Is this a program Required Form? \* :  Yes  No

Does this represent a copyrighted form? \* :  Yes  No

Version: 1.0

Status: Draft

Created By: Rutherford, John

Created Date:

**CONTINUE** Cancel

## 4.5.7 General Details Chevron

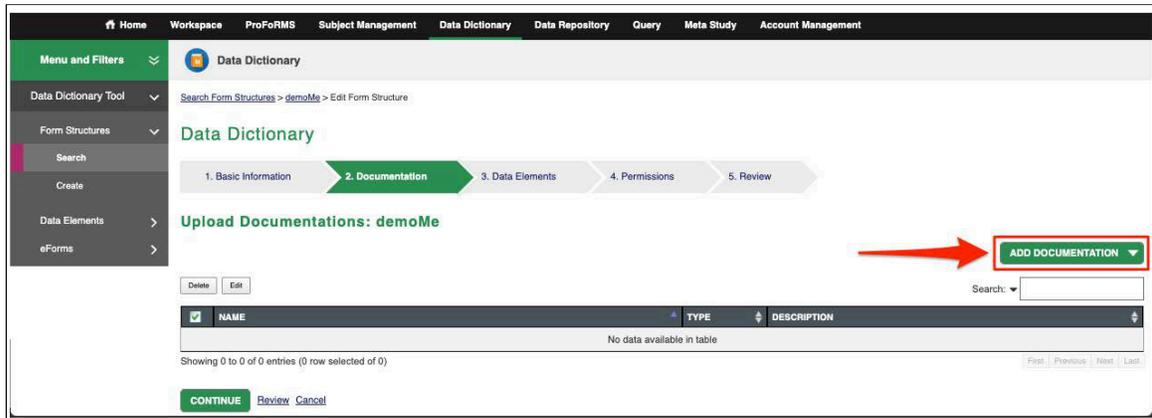
Complete all required fields marked with an \*asterisk:

- ❖ Title – please follow the standards defined in your BRUCS instance for FS title. Typically the title should contain FS name and version if any. If FS created to represent the standard instrument, its title must contain the name of the instrument and the version if any.
- ❖ Short Name – limited by 30 characters. Must be unique within the given instance of BRICS.
- ❖ Description – limited to 1000 characters. Provide the detailed description of the FS. Include all information which will help to better identify the FS.
- ❖ Disease – select as many disease categories as you need. Use Ctrl+Right mouse click to select multiple disease categories.
- ❖ Form Type - Clinical Assessment, Omics, Imaging, Preclinical. Choose one.
- ❖ Standardization – select one from the list available for your BRICS instance.
- ❖ Labels- select one, if your instance has labels.
- ❖ Does this represent a copyrighted form? Choose Yes or No.

Click **Continue** when complete. You will be re-directed to the next chevron.

### 4.5.8 Documentation Chevron:

1. Click the **Add Documentation** button to select the desired file or URL.
2. Documentation is optional, but BRICS Operations encourage uploading all documentation which were used to create a FS.



Click Continue when complete. You will be re-directed to the next chevron.

### 4.5.9 Data Elements Chevron

**Important:** there are (2) groups which are must for all FS, including Standardized, Unique, Appendices, etc. in all instances of BRICS. These are:

- The Main Group
- The Form Administration

These groups are meant to provide consistency and context for all data submitted to the BRICS database. The DE content of these groups could vary, but not very much.

#	TITLE	SHORT DESCRIPTION	VARIABLE NAME	REQUIRED?	TYPE
1	<a href="#">GUID</a>	Global Unique ID which uniquely identifies a subject	GUID	Required	CDE
2	<a href="#">Subject identifier number</a>	An identification number assigned to the participant/subject within a given protocol or a study.	SubjectIDNum	Optional	CDE
3	<a href="#">Age in years</a>	Value for participant's subject age recorded in years.	AgeYrs	Recommended	CDE
4	<a href="#">Vital status</a>	Status of participant/subject as alive or dead	VitStatus	Optional	CDE
5	<a href="#">Visit date</a>	Actual interview or visit date	VisitDate	Recommended	CDE
6	<a href="#">Site name</a>	The name of the site for the study	SiteName	Recommended	CDE
7	<a href="#">Days since baseline</a>	The number of days since baseline	DaysSinceBaseline	Optional	CDE
8	<a href="#">Case control indicator</a>	Indicator of whether subject is in the case or control arm of the study	CaseContrInd	Optional	CDE
9	<a href="#">General notes text</a>	General notes	GeneralNotesTxt	Optional	CDE

**Important:** please note that GUID often is the first DE in the Main group and it is required. GUID provides the unique identifier for a subject across all BRICS studies/instances. It must be present in all BRISC FS and it must have the status **REQUIRED**.

The next group is **From Administration**, which intent is to provide the information on how the instrument was administered.

#### 4.5.10 Adding the Main group of data elements

1. The first group to be populated under the Data Elements Chevron is the Main group. Please note that it does not have a name.

Attach Data Elements: 12-item Short Form Health Survey Version 2 (SF-12v2)  
 Attach data elements to your form structure below. Use the **Add Data Element** button to open the data element interface. In the data element interface you can search for existing data elements or create a new data element for this form structure. To group data elements or create a group that repeats data elements, select the **Add Group** button below.

Data Elements and Groups can be rearranged by dragging and dropping the group or element into the desired position.

#	TITLE	SHORT DESCRIPTION	VARIABLE NAME	REQUIRED?	GROUP	REMOVE ALL?
1	<a href="#">GUID</a>	Global Unique ID which uniquely identifies a subject	GUID	Required	Main	<a href="#">remove</a>
2	<a href="#">Subject identifier number</a>	An identification number assigned to the participant/subject within a given protocol or a study.	SubjectIDNum	Optional	Main	<a href="#">remove</a>
3	<a href="#">Age in years</a>	Value for participant's subject age recorded in years.	AgeYrs	Recommended	Main	<a href="#">remove</a>
4	<a href="#">Vital status</a>	Status of participant/subject as alive or dead	VitStatus	Optional	Main	<a href="#">remove</a>
5	<a href="#">Visit date</a>	Actual interview or visit date	VisitDate	Recommended	Main	<a href="#">remove</a>
6	<a href="#">Site name</a>	The name of the site for the study	SiteName	Recommended	Main	<a href="#">remove</a>
7	<a href="#">Days since baseline</a>	The number of days since baseline	DaysSinceBaseline	Optional	Main	<a href="#">remove</a>
8	<a href="#">Case control indicator</a>	Indicator of whether subject is in the case or control arm of the study	CaseContrInd	Optional	Main	<a href="#">remove</a>
9	<a href="#">General notes text</a>	General notes	GeneralNotesTxt	Optional	Main	<a href="#">remove</a>

**ADD DATA ELEMENTS**

2. Attach data elements to the Main by using the **Add Data Element** button (refer to 5.1.12) to open the data element interface. In the data element interface, you can search for existing data elements or create a new data element for this form structure.

#### 4.5.11 Adding All Other Groups including the Form Administration group

1. Create a group by using **Add Group** button.
2. Provide the group name. **Important:** the group name must be unique within the form structure.
3. Provide the group repeatability settings. The repeatability settings are as follows:
  - At least – provides the min number the group must be repeated.
  - Exactly- provides the exact number the group must be repeated. That is a tricky setting, we recommend contacting OPS when you plan to use it.
  - Up to – provides the max number the group will be repeated. Up to=0, means the group could be repeated indefinitely.

## 4.5.12 Adding Data Elements to a Group

Below is an example of Form Administration group.

#	TITLE	SHORT DESCRIPTION	VARIABLE NAME	REQUIRED?	TYPE
1	<a href="#">Context type</a>	The context to which the questions were answered	ContextType	Recommended	CDE
2	<a href="#">Context type other text</a>	The free-text related to ContextType specifying other text	ContextTypeOTH	Recommended	CDE
3	<a href="#">Data source</a>	Source of the data provided on the case report form	DataSource	Recommended	CDE
4	<a href="#">Data source other text</a>	The free-text field related to Data source specifying other text. Source of the data provided on the case report form	DataSourceOTH	Recommended	CDE

1. After the group name and repeatability is set up, use Add Data Elements button to assess the data element interface, where you can search for existing data elements which you would like to add your form structure. **Note** in order to be added the DE must already exist in the data dictionary.
2. Select the data elements by checking the check-box next to the desired data element. Once you are done searching and checking off data elements; Click the Add Selected Elements button. The selected data elements will be added to your group in the order in which they were selected. [It is a best practice to add your data elements to your form structure in the order that they appear on the form].

**Important:** The same data element can be included in the same group only once.

### Add Data Elements

1. Basic Information
2. Documentation
3. Data Elements
4. Permissions
5. Review

[Advanced Search](#)

Search existing elements to attach to this form structure

Show 10 entries

RESET ALL
DOWNLOAD ALL 80 RESULTS

<input type="checkbox"/>	TITLE	VARIABLE NAME	TYPE	MODIFIED DATE	STATUS
<input checked="" type="checkbox"/>	12-Item Short Form Health Survey Version 1 (SF-12v1) - Times calm peaceful scale CR	SF12TimesCalmPcfuScaleModCR	UDE	2019-07-18	Published
<input checked="" type="checkbox"/>	36-Item Short Form Health Survey (SF-36) - Bodily pain score	SF36BodyPainScore	CDE	2018-12-18	Published
<input checked="" type="checkbox"/>	36-Item Short Form Health Survey (SF-36) - Bodily pain score	SF36BodyPainScore_t est2	CDE	2021-09-30	Published
<input type="checkbox"/>	36-Item Short Form Health Survey (SF-36) - Bodily pain score	SF36BodyPainScore_j eng2	CDE	2022-04-06	Draft
<input type="checkbox"/>	36-Item Short Form Health Survey (SF-36) - Bodily pain score	SF36BodyPainScore_j eng1	CDE	2021-09-30	Published
<input type="checkbox"/>	36-Item Short Form Health Survey (SF-36) - Cut time on work activities emotional problems indicator	SF36CutTimeWrkActEmotProbInd	CDE	2019-02-01	Published
<input type="checkbox"/>	36-Item Short Form Health Survey (SF-36) - Cut time on work activities physical health indicator	SF36CutTimeWrkActPhyHlthInd	CDE	2019-07-18	Published
<input type="checkbox"/>	36-Item Short Form Health Survey (SF-36) - Difficulty work activities physical health indicator	SF36DiffciltWrkActPhyHlthInd	CDE	2019-07-19	Published
<input type="checkbox"/>	36-Item Short Form Health Survey (SF-36) - Excellent health score	SF36ExcelHlthScore	CDE	2019-07-19	Published
<input type="checkbox"/>	36-Item Short Form Health Survey (SF-36) - Expect worse health score	SF36ExpWorsHlthScore	CDE	2019-05-21	Published

Showing 1 to 10 of 80 entries (filtered from 4,762 total entries) (3 rows selected of 4762)

[First](#) [Previous](#) 1 2 3 4 5 ... 8 [Next](#) [Last](#)

ADD SELECTED ELEMENTS

### 4.5.13 Adjusting the Order of DEs within the Group

To adjust the order of data elements within an element group once they have been added to a form structure, simply click on the data element, drag, and drop the data elements to the desired position.

### 4.5.14 Assigning the Status of the DE within the Group

There are three statuses for the optionality of a data element:

- ❖ **Required:** That is a good setting is you need to make sure that data are always submitted against the data element. But keep in mind that the Validation tool will produce an error and not allow the dataset to pass validation and get submitted, if a cell is left blank for the data element.
    - GUID should always be required. We recommend that Required setting is always used for GUID.
  - ❖ **Recommended:** Validation tool will produce a warning, but still allow the data set to pass if a cell is left blank for that data element
    - The default setting for a DE within a FS is Recommended
  - ❖ **Optional:** Validation tool will NOT produce error or warning and will allow that data set to pass if a cell is left blank for that data element.
3. Change the requirements for the data elements to whatever is appropriate for your study using the drop-down menu. [It is a best practice to change the data elements from “Optional” to “Recommended”.]
  4. Once all groups are created and DEs added, click Continue. You will be move to the Permissions Chevron (4.5.16).

### 4.5.15 Editing DE Group

#### Adjusting the Order of Element Groups

1. Click on the title bar of the group
2. Drag and drop the group to the desired position.

Note that : 1) the Main Group cannot be moved, 2) the Form Administration group must stay after the Main group.

#### Editing Data Element Group Settings

1. Click on the “Edit Group” button
2. Make the desired changes

#### Removing Data Element Group

1. Click on the “Remove Group” link. Once you removed the group it cannot be restored automatically. If later you change your mind, you need to restore it manually.

#### Removing a Data Element from the group

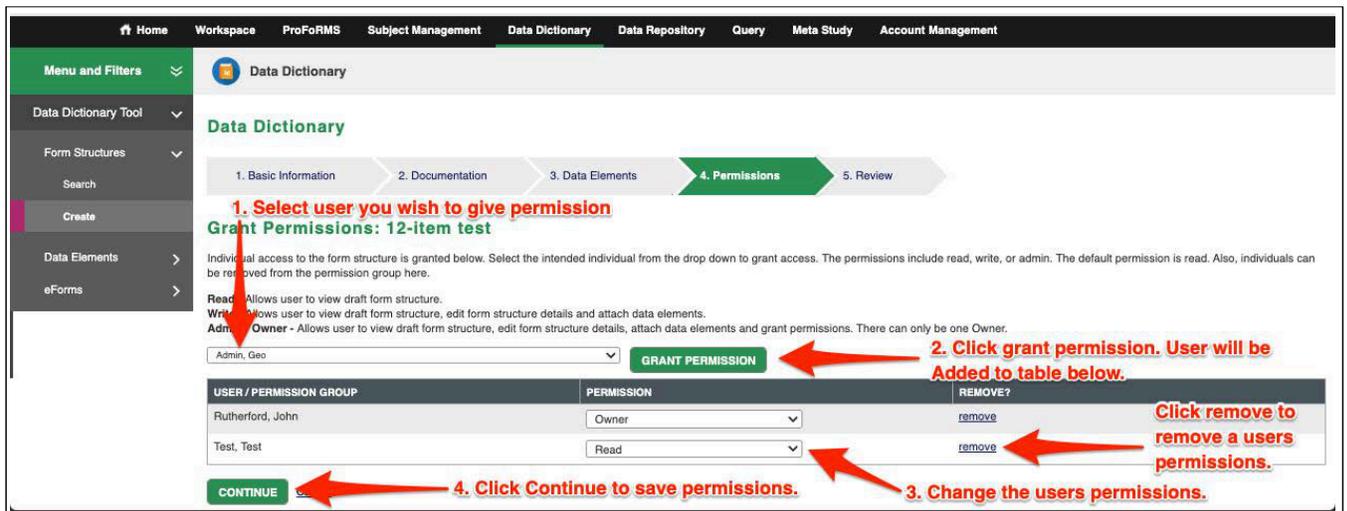
1. Under the "Removal All?" column, click on “Remove” link.

## Moving Data Elements Between Groups

1. Using the drop-down menu in the Group column, for each data element, select which data element group you would like to move the data element. Please note that when you move the DE it disappears from the source group.
2. After moving a DE from one group to another, make sure that all Des appear in a proper order within a group.
3. It is a best practice to do this in the order that the data elements appear on the form.

### 4.5.16 Permissions Chevron

1. **Grant Permissions:** Select the intended individual from the drop-down menu to grant permission. Click on the **Grant Permission** button. . Once added, chose the desired level of permission to that form structure: The permissions include: **Read**, **Write**, or **Admin/Owner**: The default permission is **Read**. Additionally, individuals can be removed from the permission group from here. See [Removing Permissions](#) below.



**1. Select user you wish to give permission**

**Grant Permissions: 12-item test**

Individual access to the form structure is granted below. Select the intended individual from the drop down to grant access. The permissions include read, write, or admin. The default permission is read. Also, individuals can be removed from the permission group here.

**Read** - Allows user to view draft form structure.  
**Write** - Allows user to view draft form structure, edit form structure details and attach data elements.  
**Admin / Owner** - Allows user to view draft form structure, edit form structure details, attach data elements and grant permissions. There can only be one Owner.

**2. Click grant permission. User will be Added to table below.**

USER / PERMISSION GROUP	PERMISSION	REMOVE?
Rutherford, John	Owner	<a href="#">remove</a>
Test, Test	Read	<a href="#">remove</a>

**3. Change the users permissions.**

**4. Click Continue to save permissions.**

#### Things to Note:

- 📁 **Read** - Allows user to view draft form structure.
- 📁 **Write** - Allows user to view draft form structure, edit form structure details and attach data elements.
- 📁 **Admin / Owner** - Allows user to view draft form structure, edit form structure details, attach data elements and grant permissions. There can only be one Owner
- 📁 There can only be ONE Owner per form structure (by default it is the creator of the form structure, but can be changed)

#### 4.5.17 Review Chevron

1. **Review:** Review all the data elements and make sure they are in the correct order and have the correct requirements (optionality, group, threshold, etc.)

If there are no issues; click the **Finish** button. The Form Structure will be saved in **DRAFT** status.

2. Final Review: Review the details of the Form Structure. Click the Finish button to display the Form Structure.

#### 4.5.18 Removing Permissions

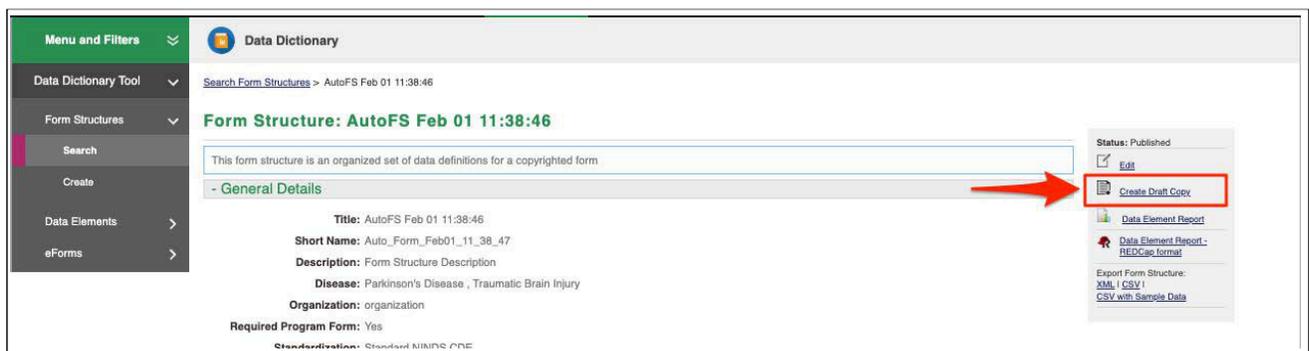
1. Search for form structure
2. Select “Edit” form the Menu on the right
3. Click on the “3. Permissions” Chevron
4. Click the “remove” button
5. The user will no longer have Admin/Write/Read privileges to your form structure
6. Once all permissions have been assigned, click Continue. You will be move to the Review Chevron 4.5.17).

#### 4.5.19 Other Ways of Creating a Form Structure

In the above sections (5.1.6-5.1.17) we discussed the conventional way of creating a form structure from the very beginning.

There are other, sometimes easier ways to create a FS in BRICS:

1. From a **published** FS, by using **Create Draft Copy** option
2. From a **Shared Draft** FS by using **Create Draft Copy** option



3. By exporting a FS as an XML file from one instance of BRICS and re-importing it in another instance of BRICS – that requires Admin privileges. ([Section 4.5.22](#))

## 4.5.20 Copying Published Form Structures

1. If you find a published form structure that is applicable to your study, you may use it as-is.
2. OR you might want to use the **Create Draft Copy** option to create a copy of published FS and then edit it to adjust it to your needs.
3. When using **Create Draft Copy** option, make sure that your new FS contains the appropriate Main Group.
4. If it is a STANDARDIZED form, then please follow the rules below for creating an **addendum form structure** ([Section 4.5.21](#)).
5. Contact your Operations team if you have any questions.

## 4.5.21 Addendum Form Structures

If your study uses standard instruments which you either modified or added additional questions to accommodate your study needs, in order to preserve data harmonization and data standards in BRICS, we recommend that you follow this procedure:

1. Use or create a FS that represents the standard instrument as is.
2. Use addendum/appendix form structure to accommodate study-specific data elements you would like to add to a standardized instrument.

**Note:** If the data elements you are adding affects the summary scores of the standardized form structure you will have to make a new Unique form structure

**To Create and Addendum:** Perform the following actions:

1. Create a FS following these naming conventions:
2. Appendix/addendum naming conventions:
  - a. **Title:** Form Name and acronym followed by Appendix and FITBIR study number
  - b. **Example:** Patient Health Questionnaire 9 (PHQ9) Appendix for FITBIR\_Study0000217
  - c. **Short Name:** Form Name/Acronym you are building the appendix for\_Appdx\_Number portion of FITBIR Study ID
  - d. **Example:** PHQ9\_Appdx\_0000217
3. In addition to adding the study-specific data elements, you **MUST** include the data elements in the **MAIN GROUP** and the **FORM ADMINISTRATION GROUP** listed above.

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