



BRICS USER GUIDE

Query Tool



CHAPTER 7 – Query Tool

The **Query Tool** module is closely related to the Data Repository module, which provides a long-term repository for research data. By combining the power of the GUID and the use of a standard vocabulary via CDEs, the *Query Tool* provides a powerful means to filter through volumes of aggregated research data across studies.

The Meta Study module is integrated into the Query Tool, allowing researchers to send data and query to a Meta Study by just clicking on the “Send to Meta Study” button. The Data Repository and Data Dictionary modules as well as the Download Tool (which allows users to download data selected in the Query Tool) are also integrated into the Query Tool.

7.1 Objective

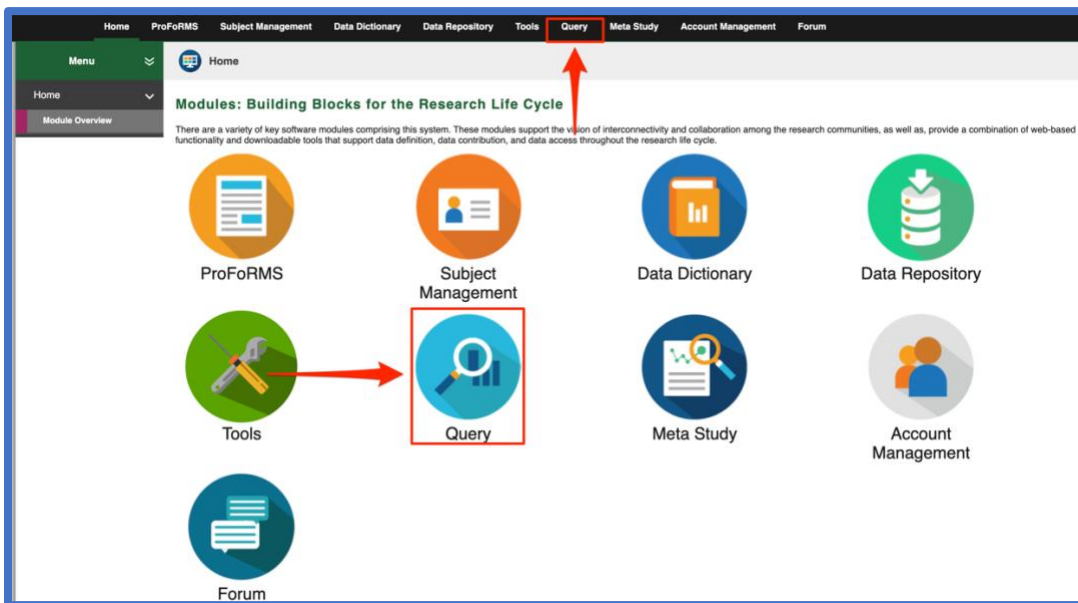
This chapter provides information for users on how to:

- Search for studies and/or forms using filters and free text search.
- Filter data by any data element and/or value (Boolean Search).
- Quickly and efficiently gain an understanding of data that is in the system.
- Download data and save data as a query.

7.2 Module Navigation

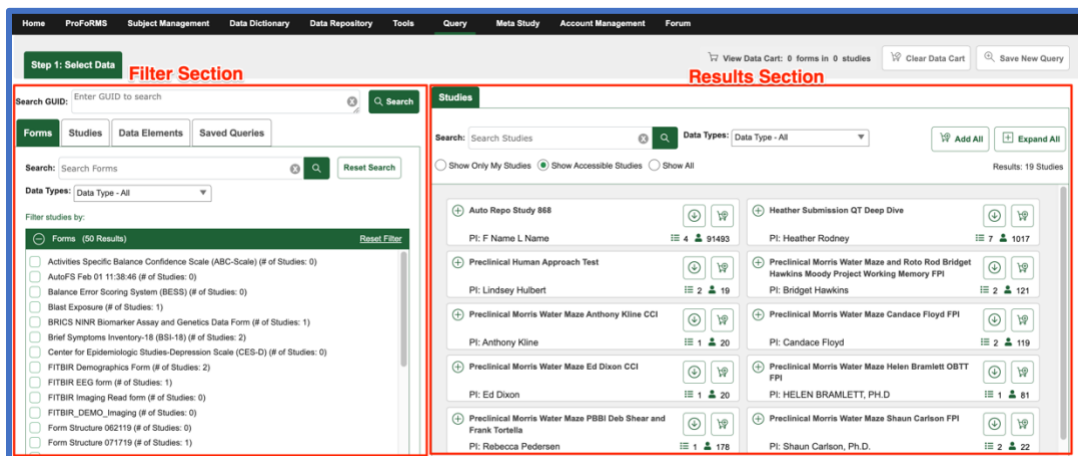
To access the **Query Tool** module, perform the following actions:

1. Log into your BRICS instance and select the Query Tool module from either the top navigation bar or the module icon.



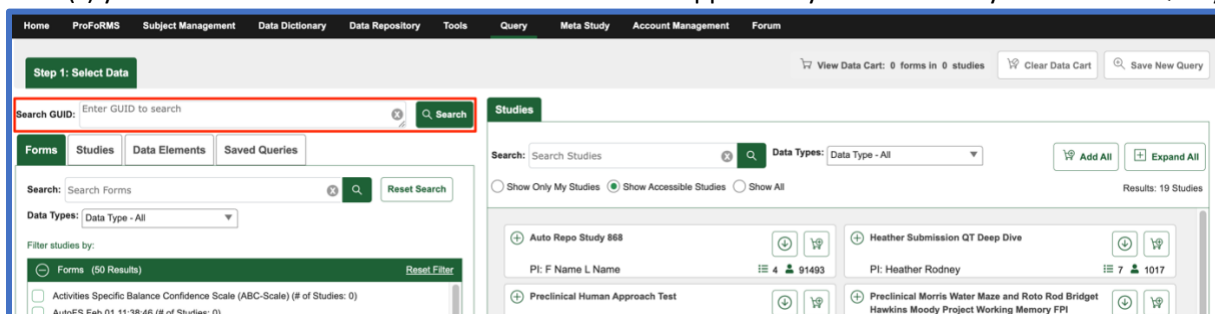
The Query Tool default page will open. This page is broken up into 2 sections. The Filter Section, where you will search and filter for the data you wish to download and the Results Section where the filtered results will be, and you can add the items to your Data Cart. The Data Cart is where the different studies and information you are going to want to download. In a later section we will talk about how to refine the data in your Data Cart.

The Meta Study Overview Screen displays the list of Meta Studies available in the data repository that you have permission to view.



Search by GUID(s): If you are looking for only studies/forms/ or data elements that specific GUID(s) are associated with you can use the Search GUID field under the Filter Section. Enter the GUID(s) you wish to search for, if multiple then separated by a new line, then click the Search button to get your results.

Note: If you use GUID search it will automatically create a filter when you move into Step 2: Refine Data and select the form(s) in your data cart. The GUID filter will appear in the Filter Data containing the GUID(s) you searched for. Note that the filter will not be applied to your data until you click Run Query.



Home ProFORMS Subject Management Data Dictionary Data Repository Tools Query Meta Study Account Management Forum

Step 1: Select Data View Data Cart: 0 forms in 0 studies Clear Data Cart Save New Query

Search GUID: Enter GUID to search Search

Forms Studies Data Elements Saved Queries

Search: Search Forms Search Reset Search

Data Types: Data Type - All

Filter studies by:

Forms (50 Results) Reset Filter

Activities Specific Balance Confidence Scale (ABC-Scale) (# of Studies: 0)

AutoES Feb 01 11:38:46 (# of Studies: 0)

Search: Search Studies Search Data Types: Data Type - All Add All Expand All

Show Only My Studies Show Accessible Studies Show All Results: 19 Studies

Auto Repo Study 868

Pt: F Name L Name 4 91493

Heather Submission QT Deep Dive

Pt: Heather Rodney 7 1017

Preclinical Human Approach Test

Preclinical Morris Water Maze and Roto Rod Bridget Hawkins Moody Project Working Memory FPI

Search GUID: TBIDEMOHC132ZUW
TBIDEMOHC132ZUM Search

Forms Studies Data Elements Saved Queries

Search: Search Forms Search Reset Search

Data Types: Data Type - All

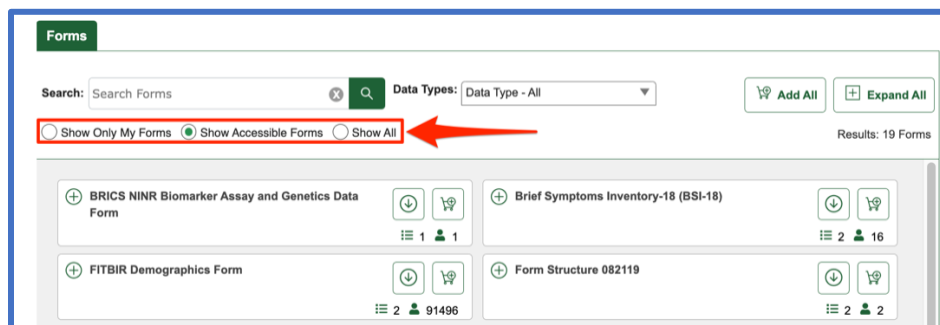
Filter studies by:

Forms (2 Results) Reset Filter

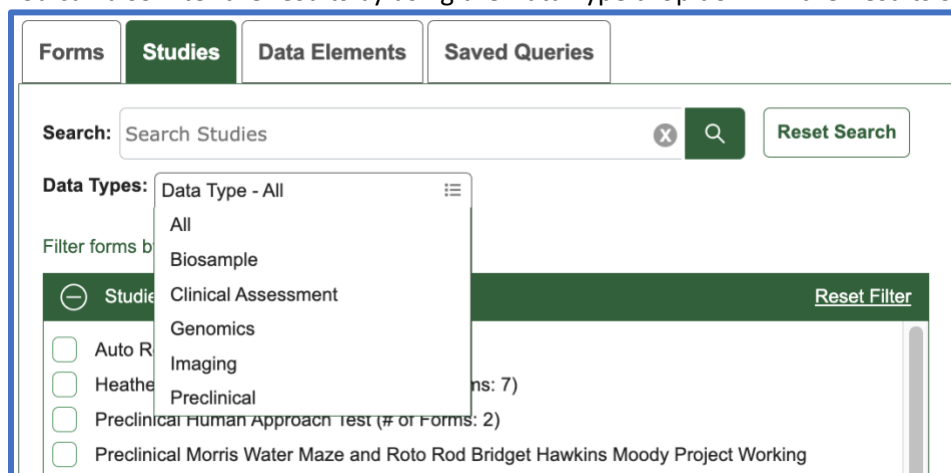
☐ FITBIR Demographics Form (# of Studies: 2)

☐ Imaging CT (# of Studies: 2)

Data can be accessed only from studies the user has permission to access, however, users will still see studies they do not have access to. They will have a grayed-out circle to the right of the study. By default, Query Tool will only show the studies this user has access too. Click Show All or Show Only My Forms to filter the data how you wish

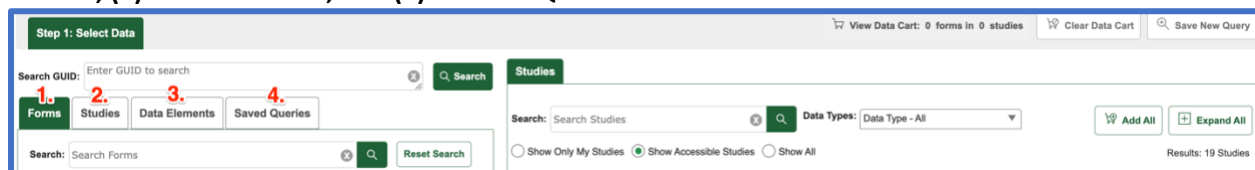


You can also filter the results by using the Data Type drop down in the Results Section



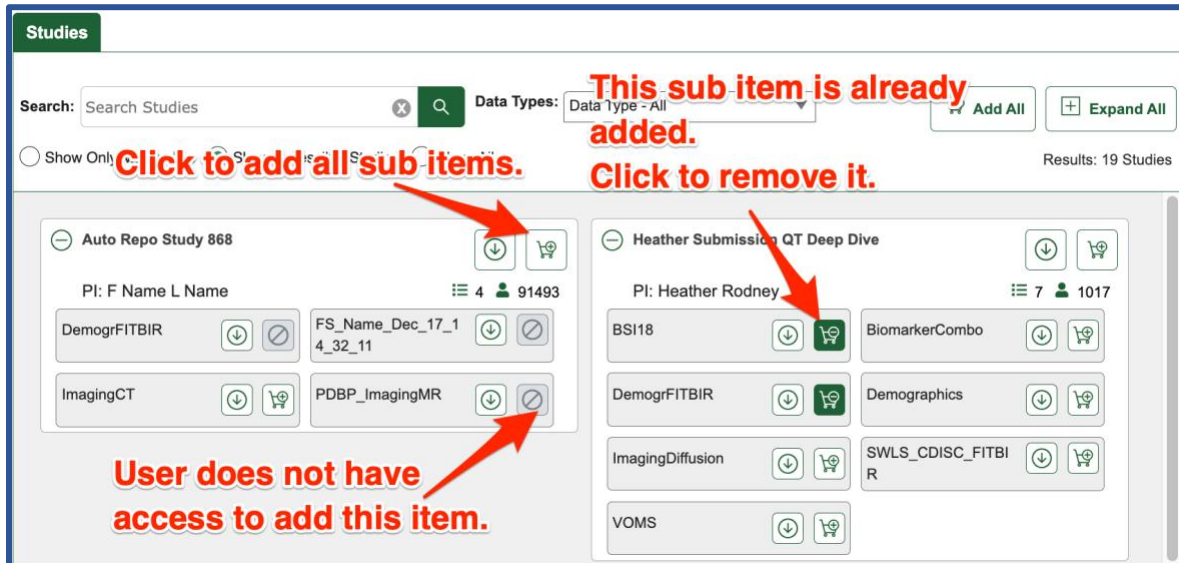
7.3 Filter Data

There are four methods to filter data within the Query Tool. The four methods include **(1)Forms, (2)Studies, (3) Data Elements, and (4) Defined Queries.**



You will use the 4 methods mentioned above to find the data you wish to query. When you find data you wish to add then click the cart icon with the + on it to add it to your data cart.

1. Clicking the parent of a cart icon will add all sub items to the data cart.
2. Clicking the sub item will add only the sub item.
3. Clicking the Add All Cart Icon at the top right will add everything currently in the results (right side of screen) section.



Studies

Search: Search Studies Data Types:

☐ Show Only ☐ Show All **Click to add all sub items.** Results: 19 Studies

Auto Repo Study 868 **Click to remove it.**

PI: F Name L Name 4 91493

DemogrFITBIR <input type="button" value="Down Arrow"/> <input type="button" value="Cart"/>	FS_Name_Dec_17_1 4_32_11 <input type="button" value="Down Arrow"/> <input type="button" value="Cart"/>
ImagingCT <input type="button" value="Down Arrow"/> <input type="button" value="Cart"/>	PDBP_ImagingMR <input type="button" value="Down Arrow"/> <input type="button" value="Cart"/>

User does not have access to add this item.

Heather Submission QT Deep Dive

PI: Heather Rodney 7 1017

BSI18 <input type="button" value="Down Arrow"/> <input type="button" value="Cart"/>	BiomarkerCombo <input type="button" value="Down Arrow"/> <input type="button" value="Cart"/>
DemogrFITBIR <input type="button" value="Down Arrow"/> <input type="button" value="Cart"/>	Demographics <input type="button" value="Down Arrow"/> <input type="button" value="Cart"/>
ImagingDiffusion <input type="button" value="Down Arrow"/> <input type="button" value="Cart"/>	SWLS_CDISC_FITBI R <input type="button" value="Down Arrow"/> <input type="button" value="Cart"/>
VOMS <input type="button" value="Down Arrow"/> <input type="button" value="Cart"/>	

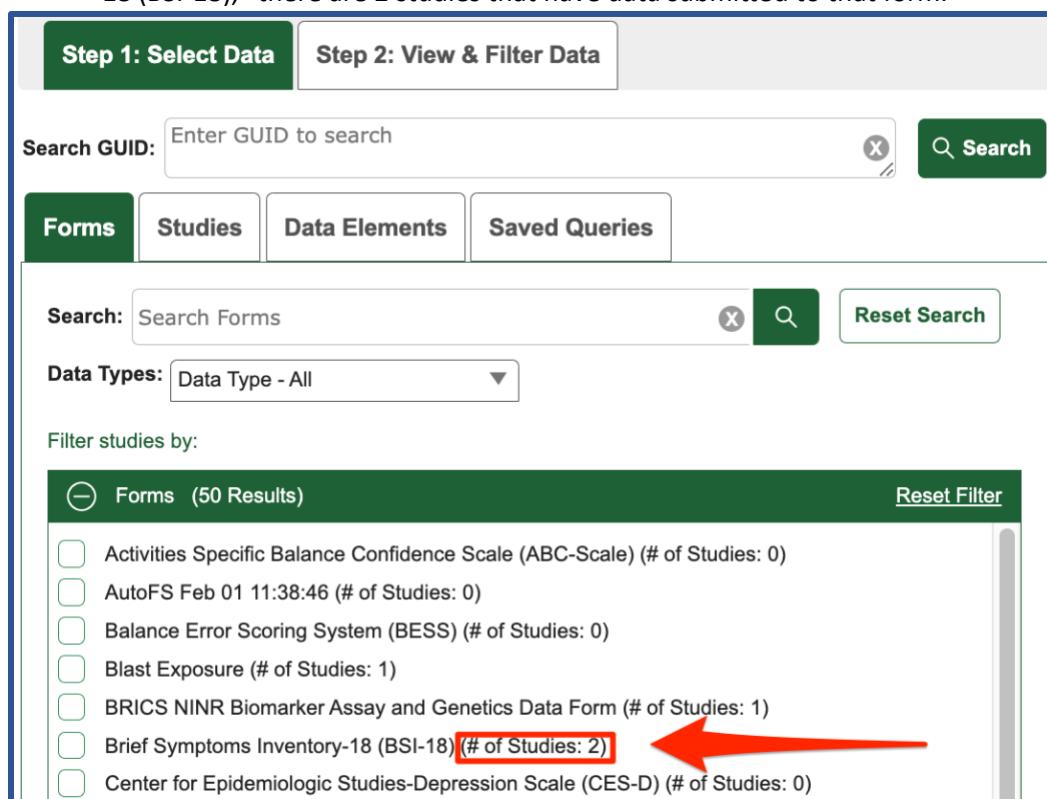
After adding an item to your data cart, the cart icon will have change to be filled with a solid color and have a "-" symbol on it. To remove an item from the data cart simply click the cart icon again.

7.3.1 Filter Data Forms

Within the Forms Tab, there is a list of form structures (left side of page) and on the result page (right side of the page) are the studies.

1. Within the list of form structures provided, click on the box next to each form structure you wish to filter on.

Note: Next to the name of the form structure is a number that indicates the number of studies that have data submitted. For example, for the form structure titled “Brief Symptoms Inventory-18 (BSI-18),” there are 2 studies that have data submitted to that form.



Step 1: Select Data | **Step 2: View & Filter Data**

Search GUID: ✕ 🔍 Search

Forms | Studies | Data Elements | Saved Queries

Search: ✕ 🔍 Reset Search

Data Types:

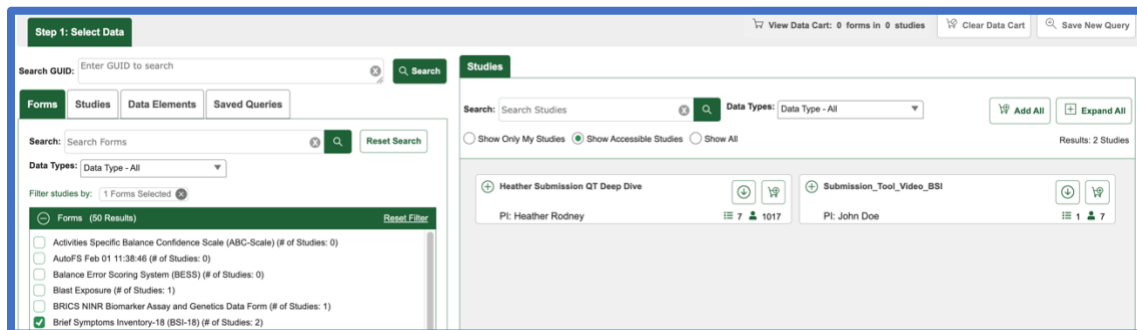
Filter studies by:

Forms (50 Results) Reset Filter

- ☐ Activities Specific Balance Confidence Scale (ABC-Scale) (# of Studies: 0)
- ☐ AutoFS Feb 01 11:38:46 (# of Studies: 0)
- ☐ Balance Error Scoring System (BESS) (# of Studies: 0)
- ☐ Blast Exposure (# of Studies: 1)
- ☐ BRICS NINR Biomarker Assay and Genetics Data Form (# of Studies: 1)
- ☐ Brief Symptoms Inventory-18 (BSI-18) (# of Studies: 2)
- ☐ Center for Epidemiologic Studies-Depression Scale (CES-D) (# of Studies: 0)

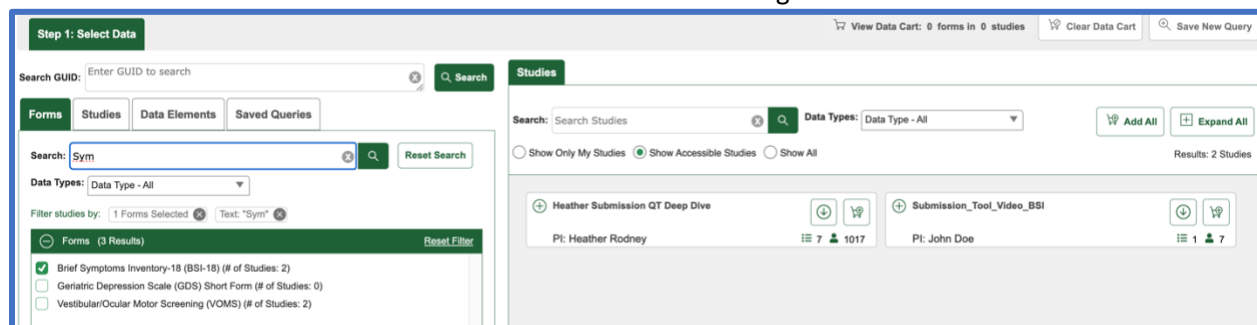
2. The other option is to type in the title or short name of the form structure in the **Search Forms** box then click on **Search**. This will narrow down the number of forms that are visible, but you will still need to click on the box for the form or forms that you desire to filter on.
3. The results box (right side of screen) will provide the studies that have data submitted against the form structure.

View of results when the user clicks on Form Structure from the list:



The screenshot shows the 'Step 1: Select Data' interface. On the left, under the 'Forms' tab, a list of forms is displayed with checkboxes. The 'Brief Symptoms Inventory-18 (BSI-18)' form is selected. On the right, under the 'Studies' tab, two studies are listed: 'Heather Submission QT Deep Dive' and 'Submission_Tool_Video_BSI'. The interface includes search bars, filters, and a 'Reset Search' button.

View of results when the user searches for a Form Structure using the short name:

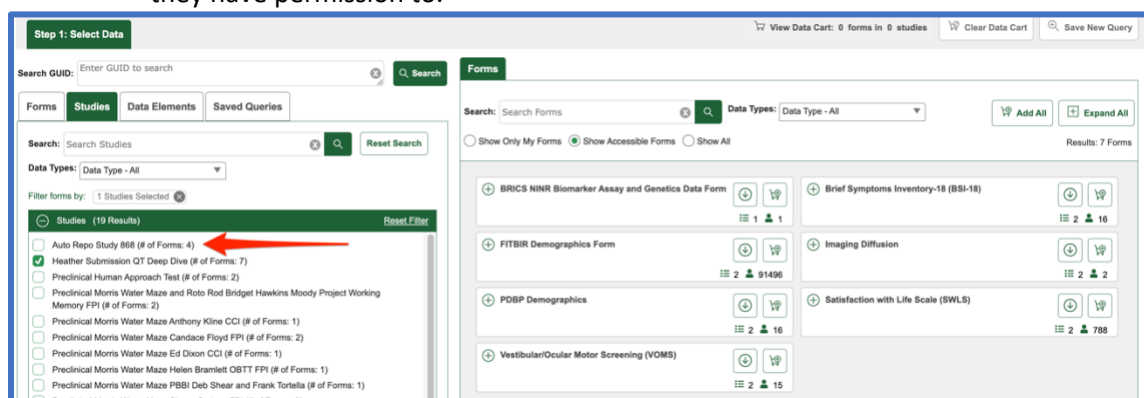


The screenshot shows the 'Step 1: Select Data' interface with a search for 'Sym'. The 'Forms' tab is active, and the search results for 'Sym' are displayed. The 'Brief Symptoms Inventory-18 (BSI-18)' form is selected. On the right, under the 'Studies' tab, two studies are listed: 'Heather Submission QT Deep Dive' and 'Submission_Tool_Video_BSI'. The interface includes search bars, filters, and a 'Reset Search' button.

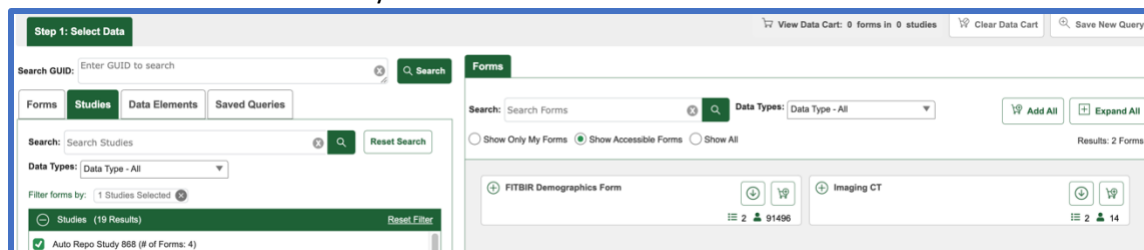
7.3.2 Filter Data Studies

With the Studies Tab, there is the list of all the studies that have data submitted to the Repository, and the results view provides the form structures for the study.

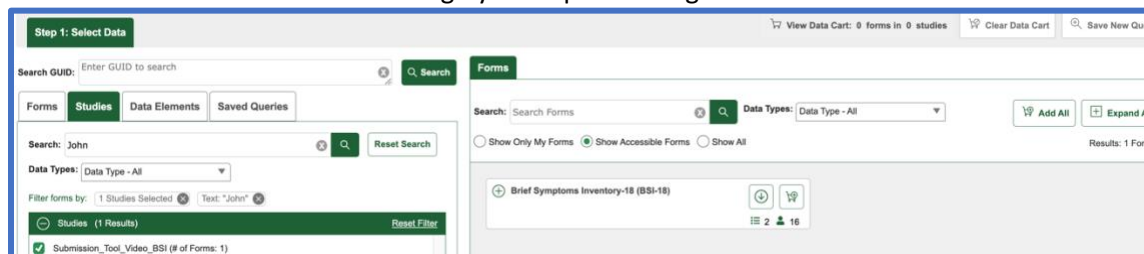
1. Within the list of studies provided, click on the box next to the study title or search for the study by typing the Study Name or the Principal Investigator's Name into the Search Studies box and click Search.
 - a. The number at the end of the study title indicates the number of form structures that have data submitted. For example, the "Auto Repo Study 868" study has 4 form structures with data.
 - b. Users will be able to see the form structures for each study, but not access the data unless they have permission to.



Click the checkbox for the Study Title to view the form structures.



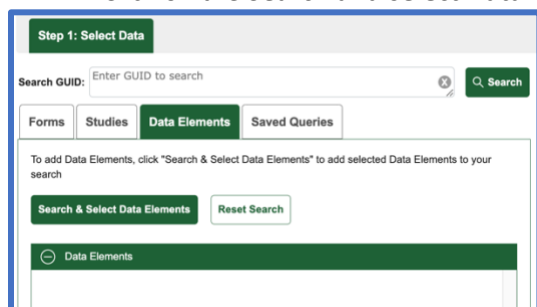
View of the form structures searching by Principal Investigator's Name:



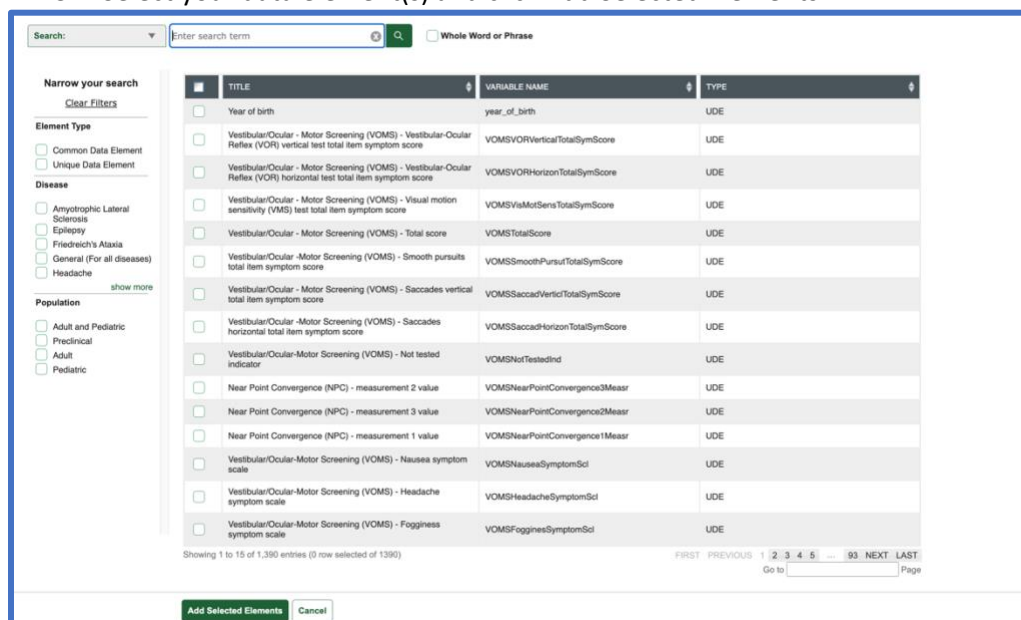
7.3.3 Filter Data: Data Elements

Within the Data Elements tab, the results page will provide the form structures that contain a selected data element.

1. Click on the **Search and select Data Elements** button.

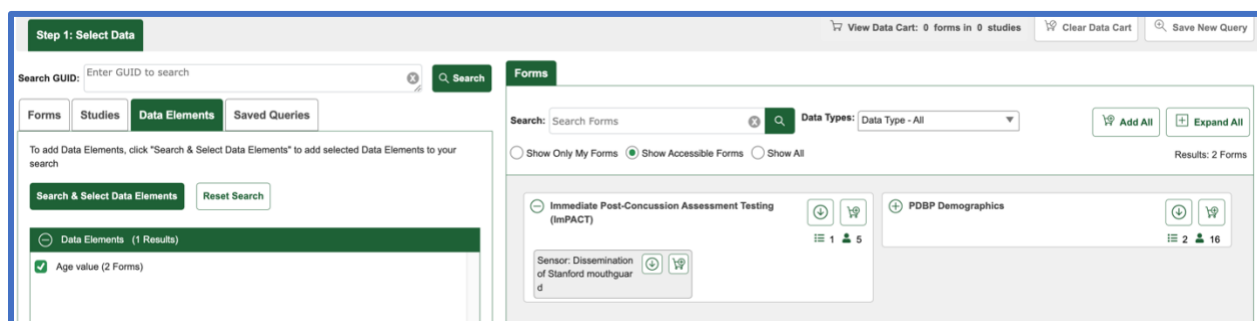


2. A pop-up box will appear, which will contain data elements that are published in the data dictionary. Within the pop-up box, users can use the filters to see the different types of data elements and search for data elements by using the search box.
3. Select your data element(s) and click Add Selected Elements.

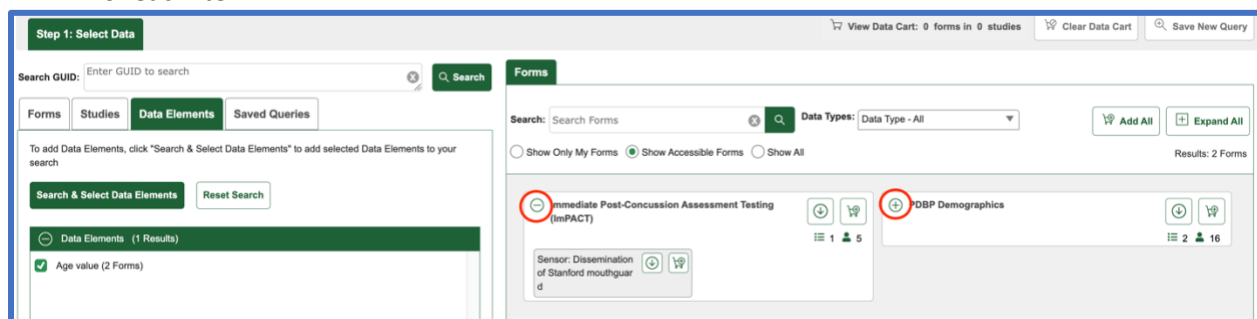


	TITLE	VARIABLE NAME	TYPE
<input type="checkbox"/>	Year of birth	year_of_birth	UDE
<input type="checkbox"/>	Vestibular/Ocular - Motor Screening (VOMS) - Vestibular-Ocular Reflex (VOR) vertical test total item symptom score	VOMSVORVerticalTotalSymScore	UDE
<input type="checkbox"/>	Vestibular/Ocular - Motor Screening (VOMS) - Vestibular-Ocular Reflex (VOR) horizontal test total item symptom score	VOMSVORHorizontalTotalSymScore	UDE
<input type="checkbox"/>	Vestibular/Ocular - Motor Screening (VOMS) - Visual motion sensitivity (VMS) test total item symptom score	VOMSViaMotSensTotalSymScore	UDE
<input type="checkbox"/>	Vestibular/Ocular - Motor Screening (VOMS) - Total score	VOMSTotalScore	UDE
<input type="checkbox"/>	Vestibular/Ocular - Motor Screening (VOMS) - Smooth pursuits total item symptom score	VOMSSmoothPursuitTotalSymScore	UDE
<input type="checkbox"/>	Vestibular/Ocular - Motor Screening (VOMS) - Saccades vertical total item symptom score	VOMSSaccadVerticalTotalSymScore	UDE
<input type="checkbox"/>	Vestibular/Ocular - Motor Screening (VOMS) - Saccades horizontal total item symptom score	VOMSSaccadHorizontalTotalSymScore	UDE
<input type="checkbox"/>	Vestibular/Ocular-Motor Screening (VOMS) - Not tested indicator	VOMSNotTestedInd	UDE
<input type="checkbox"/>	Near Point Convergence (NPC) - measurement 2 value	VOMSNearPointConvergence3Meas	UDE
<input type="checkbox"/>	Near Point Convergence (NPC) - measurement 3 value	VOMSNearPointConvergence2Meas	UDE
<input type="checkbox"/>	Near Point Convergence (NPC) - measurement 1 value	VOMSNearPointConvergence1Meas	UDE
<input type="checkbox"/>	Vestibular/Ocular-Motor Screening (VOMS) - Nausea symptom scale	VOMSNauseaSymptomScd	UDE
<input type="checkbox"/>	Vestibular/Ocular-Motor Screening (VOMS) - Headache symptom scale	VOMSHHeadacheSymptomScd	UDE
<input type="checkbox"/>	Vestibular/Ocular-Motor Screening (VOMS) - Foginess symptom scale	VOMSFoginessSymptomScd	UDE

4. After adding the data elements, the pop-up box will close and the data elements that were chose will displayed in the Data Elements Column on the left side of the page.
5. Click on the checkbox next to the data element(s), and the result table will provide the associated form structures.



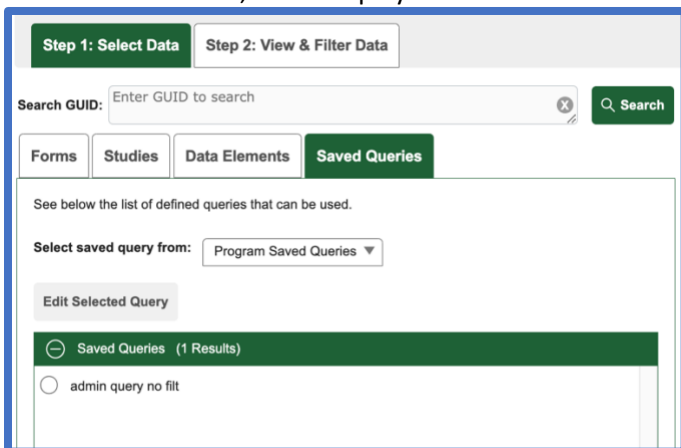
6. If you wish to see the studies that have data for each form structure, you can expand/collapse the form structures in the results table (right column) by clicking the "+" or the "-" at the top left of each item.



7.3.4 Filter Data: Saved Queries

Within the Saved Queries tab, the results page will provide data that has been refined by previous, saved users queries. **Note: Only users with permission to the queries can view the filtered data.**

1. Click on the **Selected Saved Query from Dropdown** and click where you'd like to view the saved queries from. You will only be able to view a query that you have permission to access.
2. The results table will provide the studies and the form structures that were used in refining the data.
3. In the Data Cart, it will display the number of forms and studies in the query.



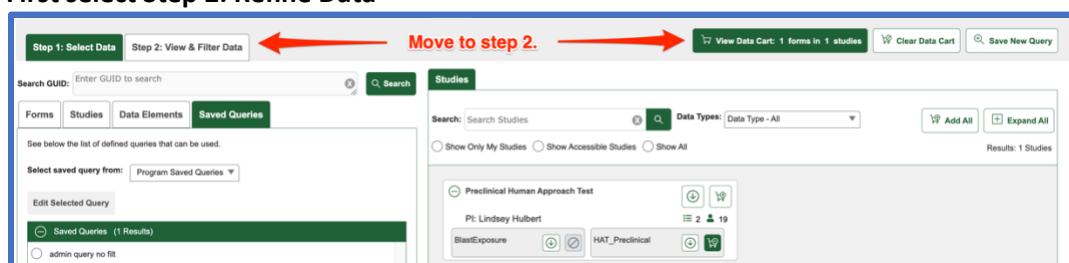
The screenshot shows a web interface with two tabs: 'Step 1: Select Data' and 'Step 2: View & Filter Data'. The 'Step 2' tab is active. Below the tabs is a search bar labeled 'Search GUID:' with a placeholder 'Enter GUID to search' and a 'Search' button. Below the search bar are four tabs: 'Forms', 'Studies', 'Data Elements', and 'Saved Queries'. The 'Saved Queries' tab is selected. Below the tabs, there is a message 'See below the list of defined queries that can be used.' followed by a dropdown menu labeled 'Select saved query from:' with the value 'Program Saved Queries'. Below the dropdown is a button labeled 'Edit Selected Query'. At the bottom, there is a section titled 'Saved Queries (1 Results)' with a minus icon and a list item 'admin query no flit' with a radio button.

7.4 View the Data

After choosing the data (please refer to Section 1: Filter Data to choose data), Step 2: Refine Data will appear, which allows the user to refine their data through the following options:

1. Select form structures.
2. Join form structures.
3. Select Criteria for refining the data.
4. View as Data table
5. Perform Boolean Queries
6. Download or send data to Meta Study

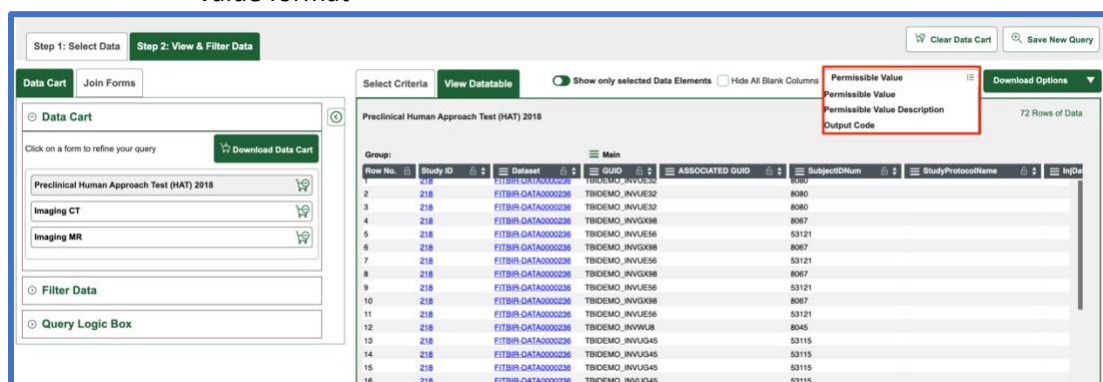
First select Step 2: Refine Data



7.4.1 View Data from Selected Studies and Form Structures

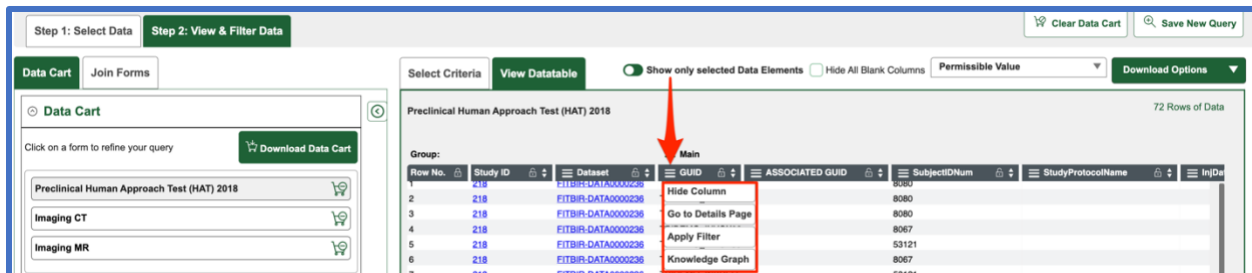
1. To view the data in the form structure, click on the form structure in the **Data Cart**. The data in the form structure will appear in the **Datatable** on the right hand side of the screen.
2. Within the **Data Cart View**, the user will see the following: (1) name of the title of the form structure, (2) the short name of the form structure, (3) the repeatable group name, and (4) the data elements in the form structure.
3. There are additional capabilities that allow the user to change the view of the data and to explore the data which include the following:
 - a. **Change the permissible values** to: (1) Permissible Value, (2) Permissible Value Descriptions, (3) Output Code.

Note: If the data is downloaded, it will appear in the currently selected permissible value format



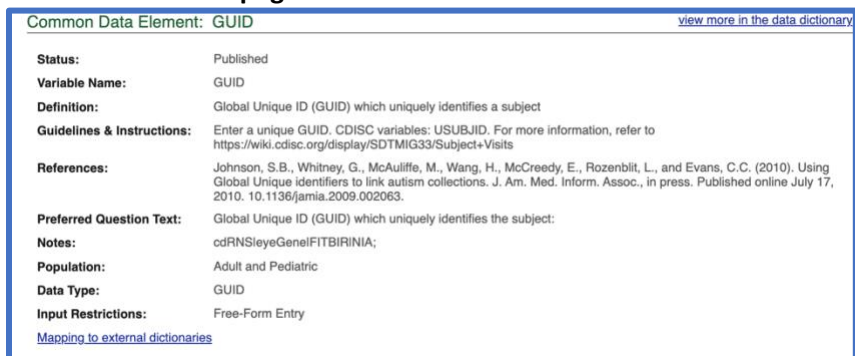
- b. View the data element information by clicking on the hamburger menu of the Data Element and click on “Go to Details Page”. The pop-up box will display the attributes of the data element.

View of the menu of the GUID Data Element:



The screenshot shows the BRICS interface with the 'Data Cart' on the left and a table of data elements on the right. The table has columns for Row No., Study ID, Dataset, GUID, ASSOCIATED GUID, SubjectIDNum, StudyProtocolName, and InDe. A red arrow points to the hamburger menu icon in the GUID column, and a red box highlights the 'Go to Details Page' option in the dropdown menu.

The details page for the GUID Data Element:



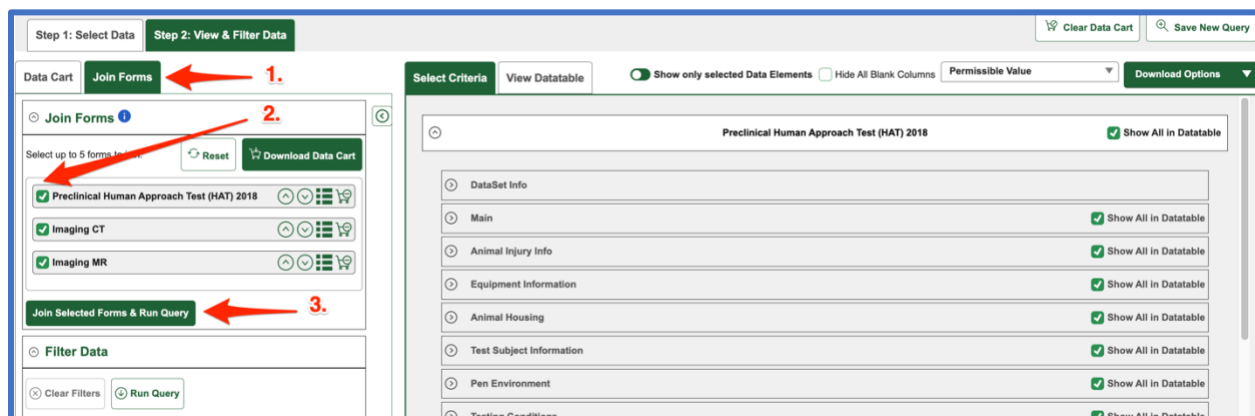
The screenshot shows the details page for the GUID Data Element. It includes the following information:

- Common Data Element:** GUID [view more in the data dictionary](#)
- Status:** Published
- Variable Name:** GUID
- Definition:** Global Unique ID (GUID) which uniquely identifies a subject
- Guidelines & Instructions:** Enter a unique GUID. CDISC variables: USUBJID. For more information, refer to <https://wiki.cdisc.org/display/SDTMIG33/Subject+Visits>
- References:** Johnson, S.B., Whitney, G., McAuliffe, M., Wang, H., McCreedy, E., Rozenblit, L., and Evans, C.C. (2010). Using Global Unique identifiers to link autism collections. J. Am. Med. Inform. Assoc., in press. Published online July 17, 2010. 10.1136/jamia.2009.002063.
- Preferred Question Text:** Global Unique ID (GUID) which uniquely identifies the subject:
- Notes:** cdRNSIeyeGenelFITBIRINIA;
- Population:** Adult and Pediatric
- Data Type:** GUID
- Input Restrictions:** Free-Form Entry
- [Mapping to external dictionaries](#)

7.4.2 Join Forms

The Query Tool allows the user to conduct a Full Outer Join on the GUID up to 5 forms (within a study and across studies). This allows data associated with the same GUID to be unified across multiple forms.

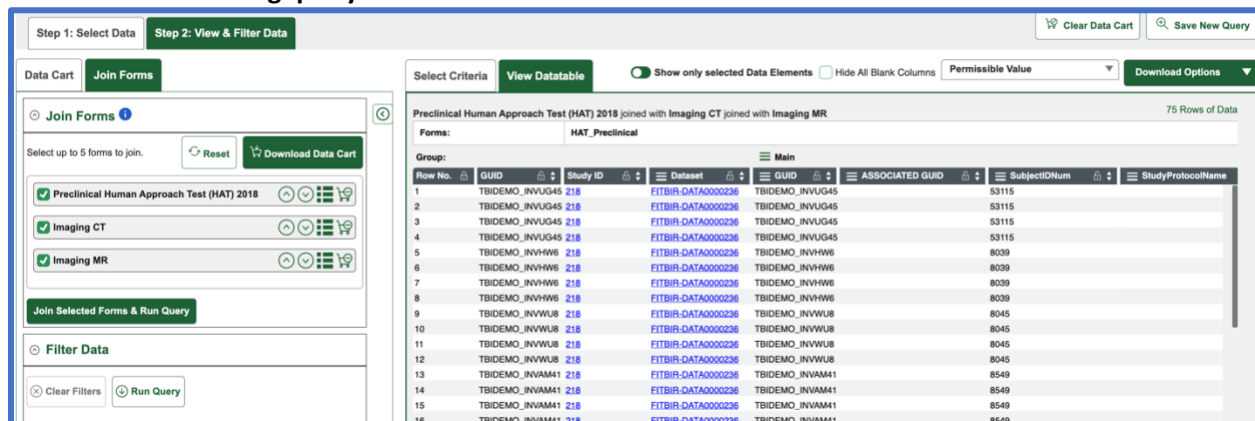
1. Select **Join Forms** tab.
2. Then select the forms you wish to join. The Select Criteria will appear with the form structures and associated data elements to refine the data.



The screenshot shows the 'Join Forms' tab selected. Under 'Join Forms', three forms are checked: 'Preclinical Human Approach Test (HAT) 2018', 'Imaging CT', and 'Imaging MR'. A red arrow points to the 'Join Selected Forms & Run Query' button.

3. Click on Join Selected Forms & Run Query and the data will appear in the Datable View.

View after running query:



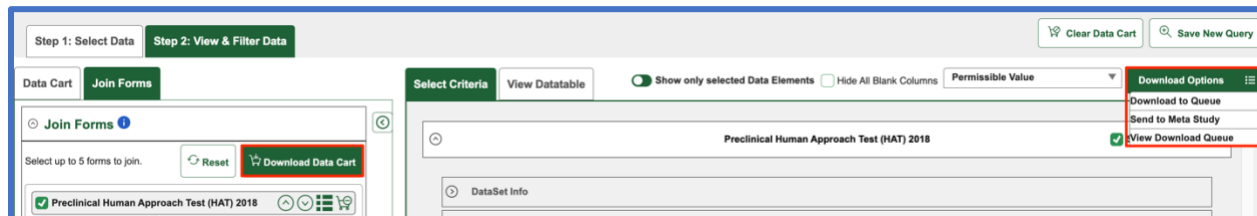
The screenshot shows the 'View Datable' tab. The table title is 'Preclinical Human Approach Test (HAT) 2018 joined with Imaging CT joined with Imaging MR'. The table has 75 rows of data. The columns are: Row No., GUID, Study ID, Dataset, ASSOCIATED GUID, SubjectIDNum, and StudyProtocolName. The data is grouped by 'Main'.

Row No.	GUID	Study ID	Dataset	ASSOCIATED GUID	SubjectIDNum	StudyProtocolName
1	TBIDEMO_INVUG45	218	FITBIR-DATA0000236	TBIDEMO_INVUG45	53115	
2	TBIDEMO_INVUG45	218	FITBIR-DATA0000236	TBIDEMO_INVUG45	53115	
3	TBIDEMO_INVUG45	218	FITBIR-DATA0000236	TBIDEMO_INVUG45	53115	
4	TBIDEMO_INVUG45	218	FITBIR-DATA0000236	TBIDEMO_INVUG45	53115	
5	TBIDEMO_INVHW6	218	FITBIR-DATA0000236	TBIDEMO_INVHW6	8039	
6	TBIDEMO_INVHW6	218	FITBIR-DATA0000236	TBIDEMO_INVHW6	8039	
7	TBIDEMO_INVHW6	218	FITBIR-DATA0000236	TBIDEMO_INVHW6	8039	
8	TBIDEMO_INVHW6	218	FITBIR-DATA0000236	TBIDEMO_INVHW6	8039	
9	TBIDEMO_INVWU8	218	FITBIR-DATA0000236	TBIDEMO_INVWU8	8045	
10	TBIDEMO_INVWU8	218	FITBIR-DATA0000236	TBIDEMO_INVWU8	8045	
11	TBIDEMO_INVWU8	218	FITBIR-DATA0000236	TBIDEMO_INVWU8	8045	
12	TBIDEMO_INVWU8	218	FITBIR-DATA0000236	TBIDEMO_INVWU8	8045	
13	TBIDEMO_INVAM41	218	FITBIR-DATA0000236	TBIDEMO_INVAM41	8549	
14	TBIDEMO_INVAM41	218	FITBIR-DATA0000236	TBIDEMO_INVAM41	8549	
15	TBIDEMO_INVAM41	218	FITBIR-DATA0000236	TBIDEMO_INVAM41	8549	
16	TBIDEMO_INVAM41	218	FITBIR-DATA0000236	TBIDEMO_INVAM41	8549	

Note: If the GUID is grayed out, it indicates to the user that the data is not in the current form but is in other forms.

4. After joining the forms, the data can be downloaded by clicking on **Download Options** and **Download to Queue**.

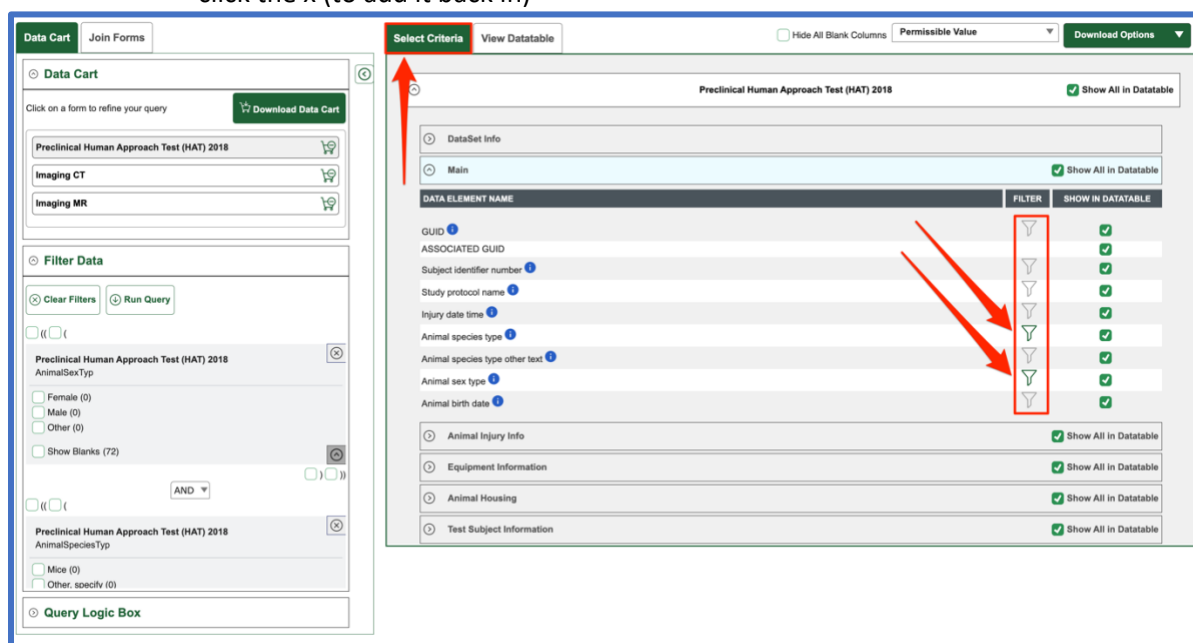
Note: To download the data separately, choose Download Data Cart to Queue.



7.5 Refine the Data

The Query Tool allows users to refine the data by using both the Select Criteria Section and the Filter Data section. The Query Tool is designed to conduct advanced Boolean searches. The advance Boolean search allows users to use “AND,” “NOT and “OR” to link multiple queries.

1. To use the refine features of the Query Tool, choose data elements to apply a filter to. This process can be done in the Select Criteria view or the Datatable View.
 - a. In the Select Criteria view, select the Filter symbol for the Data Element you wish to be filtered.
 - b. You can remove (or re add) elements by clicking the green checkmark (to remove) or click the x (to add it back in)

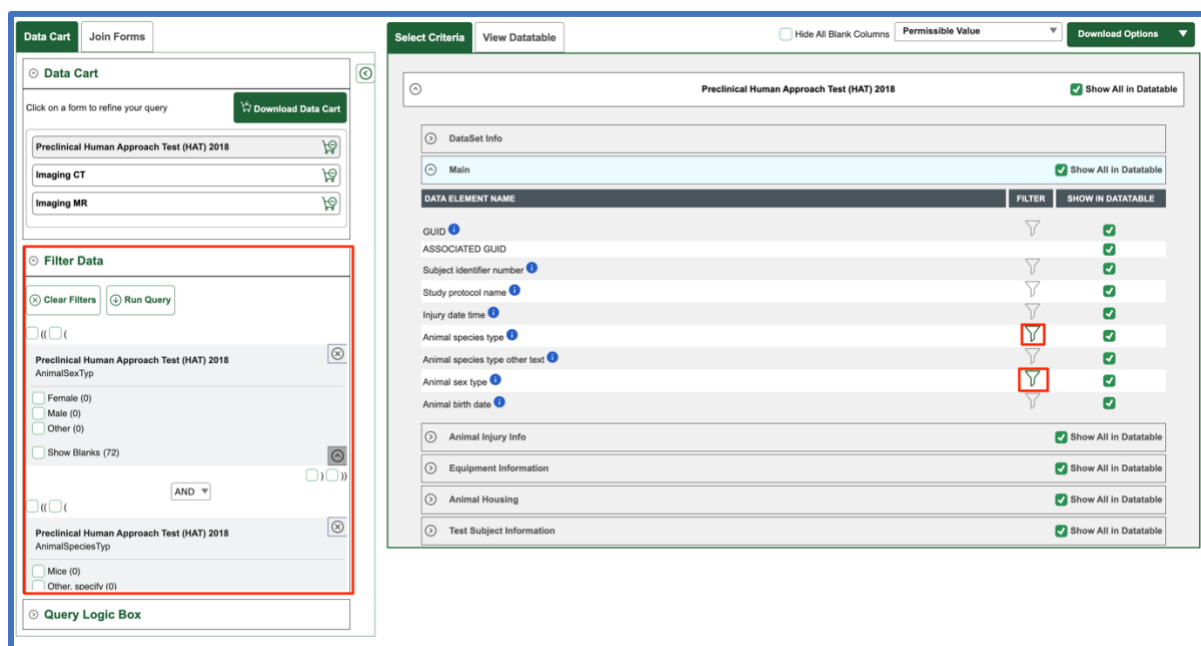


The screenshot shows the Query Tool interface with the 'Select Criteria' tab active. On the left is the 'Data Cart' with a 'Download Data Cart' button. Below it is the 'Filter Data' section with 'Clear Filters' and 'Run Query' buttons. The main area is divided into 'Select Criteria' and 'View Datatable'. The 'Select Criteria' section shows a list of data elements with a 'FILTER' column containing dropdown arrows. The 'View Datatable' section shows a table with columns for 'DATA ELEMENT NAME', 'FILTER', and 'SHOW IN DATATABLE'. Red arrows point to the 'FILTER' column and the 'SHOW IN DATATABLE' checkbox.

DATA ELEMENT NAME	FILTER	SHOW IN DATATABLE
GUID	▼	<input checked="" type="checkbox"/>
ASSOCIATED GUID	▼	<input checked="" type="checkbox"/>
Subject identifier number	▼	<input checked="" type="checkbox"/>
Study protocol name	▼	<input checked="" type="checkbox"/>
Injury date time	▼	<input checked="" type="checkbox"/>
Animal species type	▼	<input checked="" type="checkbox"/>
Animal species type other text	▼	<input checked="" type="checkbox"/>
Animal sex type	▼	<input checked="" type="checkbox"/>
Animal birth date	▼	<input checked="" type="checkbox"/>
Animal Injury Info		<input checked="" type="checkbox"/>
Equipment Information		<input checked="" type="checkbox"/>
Animal Housing		<input checked="" type="checkbox"/>
Test Subject Information		<input checked="" type="checkbox"/>

NOTE: If you used the **GUID Search in Step 1: Filter Data** then you will see a filter auto added in the **Query Logic Box** for the GUID(s) you had searched for.

IMPORTANT: Your data will not be filtered by default. Click **Run Query** to filter your data.



Data Cart | Join Forms

Click on a form to refine your query [Download Data Cart](#)

Preclinical Human Approach Test (HAT) 2018

Imaging CT

Imaging MR

Filter Data

☐ () ()

Preclinical Human Approach Test (HAT) 2018

AnimalSexType

☐ Female (0)

☐ Male (0)

☐ Other (0)

☐ Show Blanks (72)

AND

☐ () ()

Preclinical Human Approach Test (HAT) 2018

AnimalSpeciesType

☐ Mice (0)

☐ Other, specify (0)

Query Logic Box

Select Criteria | **View Datable** ☐ Hide All Blank Columns [Download Options](#)

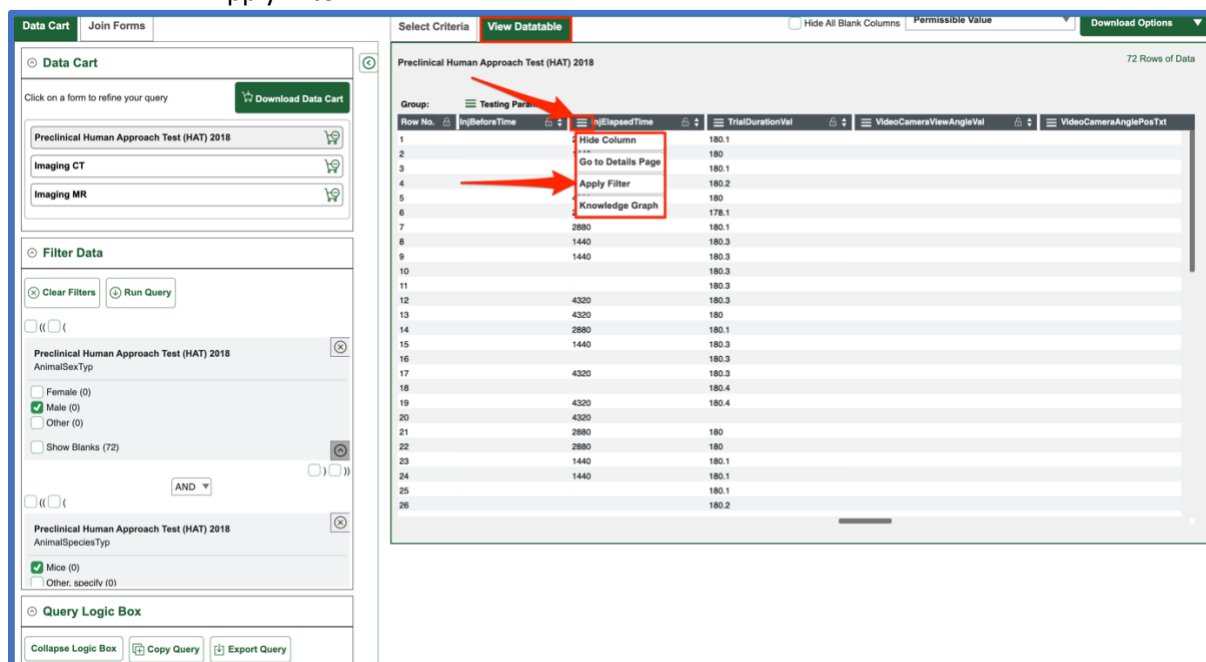
Preclinical Human Approach Test (HAT) 2018 ☒ Show All in Datable

DataSet Info

Main ☒ Show All in Datable

DATA ELEMENT NAME	FILTER	SHOW IN DATATABLE
GUID	<input type="checkbox"/>	<input checked="" type="checkbox"/>
ASSOCIATED GUID	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Subject identifier number	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Study protocol name	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Injury date time	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Animal species type	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Animal species type other text	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Animal sex type	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Animal birth date	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Animal Injury Info	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Equipment Information	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Animal Housing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Test Subject Information	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

c. In the Datable View, click on the hamburger menu for a Data Element and click on “Apply Filter.”



Data Cart | Join Forms

Click on a form to refine your query [Download Data Cart](#)

Preclinical Human Approach Test (HAT) 2018

Imaging CT

Imaging MR

Filter Data

☐ () ()

Preclinical Human Approach Test (HAT) 2018

AnimalSexType

☐ Female (0)

☒ Male (0)

☐ Other (0)

☐ Show Blanks (72)

AND

☐ () ()

Preclinical Human Approach Test (HAT) 2018

AnimalSpeciesType

☒ Mice (0)

☐ Other, specify (0)

Query Logic Box

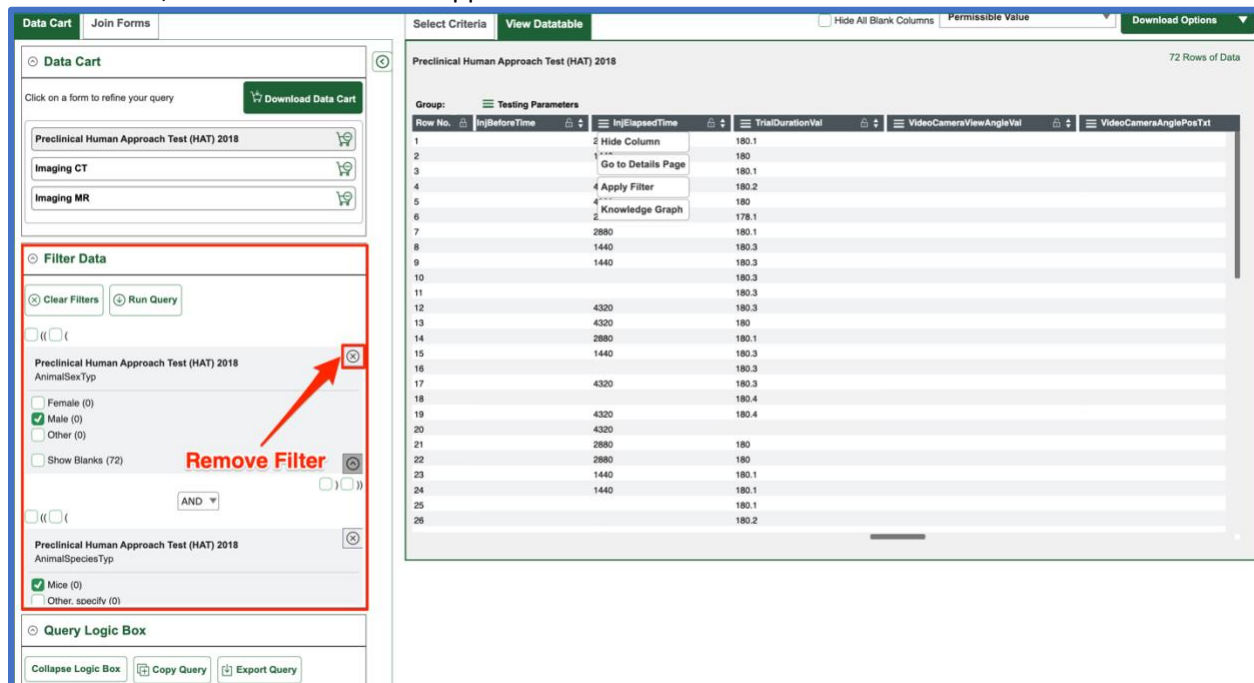
Select Criteria | **View Datable** ☐ Hide All Blank Columns [Download Options](#)

Preclinical Human Approach Test (HAT) 2018 72 Rows of Data

Group: Testing Parameters

Row No.	InjBeforeTime	ElapsedTime	TrialDurationVal	VideoCameraViewAngleVal	VideoCameraAnglePosTxt
1		180.1			
2		180			
3		180.1			
4		180.2			
5		180			
6		178.1			
7	2880	180.1			
8	1440	180.3			
9	1440	180.3			
10		180.3			
11		180.3			
12	4320	180.3			
13	4320	180			
14	2880	180.1			
15	1440	180.3			
16		180.3			
17	4320	180.3			
18		180.4			
19	4320	180.4			
20	4320				
21	2880	180			
22	2880	180			
23	1440	180.1			
24	1440	180.1			
25		180.1			
26		180.2			

In both cases, the Data Element will appear in the Filter Data on the bottom left:

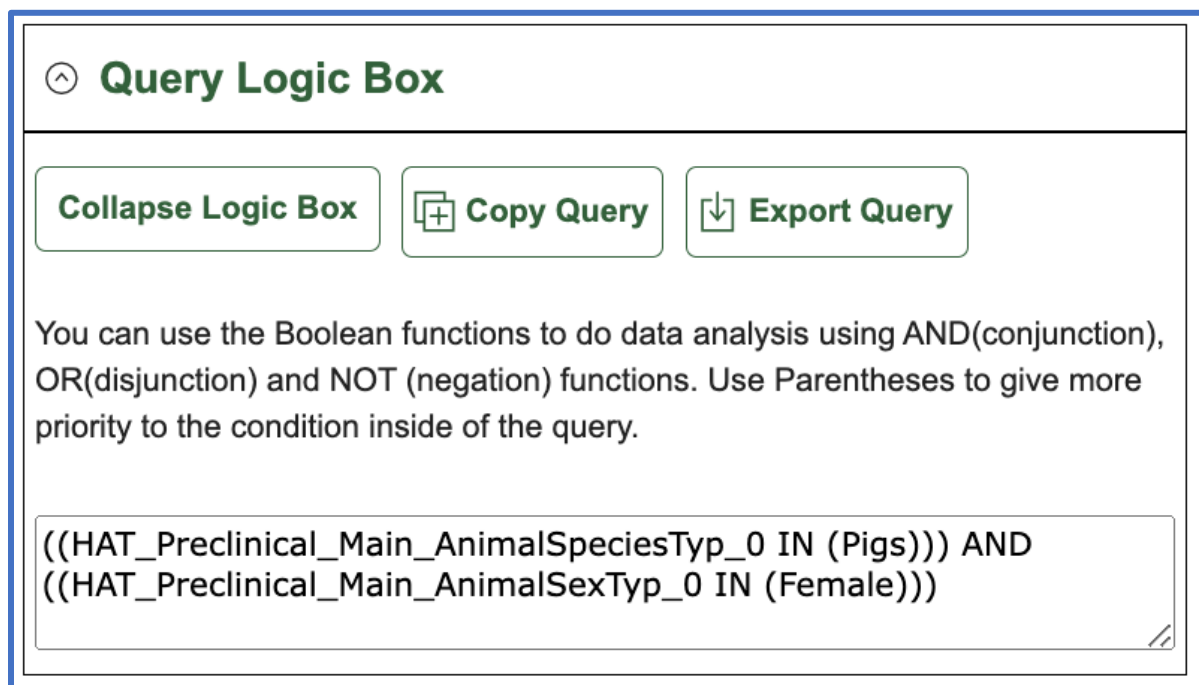


The screenshot shows the BRICS interface with the 'Filter Data' section highlighted by a red box. A red arrow points to the 'Remove Filter' button. The 'Filter Data' section includes a 'Clear Filters' button, a 'Run Query' button, and a list of filters. The first filter is 'Preclinical Human Approach Test (HAT) 2018' with a 'Remove Filter' button. The second filter is 'AnimalSexTyp' with options 'Female (0)', 'Male (0)', and 'Other (0)'. The third filter is 'AnimalSpeciesTyp' with options 'Mice (0)' and 'Other, specify (0)'. The 'Query Logic Box' is also visible at the bottom left.

Row No.	InjBeforeTime	InjElapsedTime	TrialDurationVal	VideoCameraViewAngleVal	VideoCameraAnglePosText
1		2	180.1		
2		180			
3		180.1			
4		180.2			
5		180			
6		178.1			
7		2880	180.1		
8		1440	180.3		
9		1440	180.3		
10			180.3		
11			180.3		
12		4320	180.3		
13		4320	180		
14		2880	180.1		
15		1440	180.3		
16			180.3		
17		4320	180.3		
18			180.4		
19		4320	180.4		
20		4320			
21		2880	180		
22		2880	180		
23		1440	180.1		
24		1440	180.1		
25			180.1		
26			180.2		

Note: To remove a filter, click the cancel icon (circle with an x in it) at the top right of each filter.

Users can see a simplified view of their filtered logic by using the Query Logic Box:



The screenshot shows the 'Query Logic Box' with a title bar and three buttons: 'Collapse Logic Box', 'Copy Query', and 'Export Query'. Below the buttons, there is a text area containing the following logic:

```
((HAT_Preclinical_Main_AnimalSpeciesTyp_0 IN (Pigs))) AND
((HAT_Preclinical_Main_AnimalSexTyp_0 IN (Female)))
```

- Once the Data Elements have been added to the Filter Data, the Boolean capabilities can be applied.

There are specific Boolean Logic operations that can be applied to each data type:

Data Type	Requirement Type	Boolean Logic
Alphanumeric	<ol style="list-style-type: none"> Single Predefined Multi-Defined Free Form 	OR, NOT, AND
Numeric	<ol style="list-style-type: none"> Single Predefined Multi-Defined Free Form 	OR, NOT, AND NOTE: Ranges can only use: OR, NOT
Date	Free Form	OR, NOT
GUID	Free Form	NOT
File	Free Form	OR, NOT, AND
Thumbnail	Free Form	OR, NOT, AND
Bio-sample	Free Form	OR, NOT, AND
Tri-Planar	Free Form	OR, NOT, AND

7.5.1 Inclusive/Exact Search

The Inclusive/Exact Search capability is available for the data types: (1) Alphanumeric, (2) Filename, (3) Thumbnail, (4) Bio-sample, and (5) Tri-planar.

- By default, the inclusive search is performed for data types with the requirement types of Free Form and Multiple Pre-Defined Select.
- Use the toggle button to switch between the search type.
- When Inclusive is chosen, the search results will provide all the GUIDs that include the search term. For example, when using the Data Element RaceUSACat, if the user is looking for individuals who are Asian, the results will show all GUIDs for subjects who are Asian, regardless of whether they are also another race as well.
- When Exact is chosen, the search results will provide all the GUIDs that have only the search term. For example, when using the Data Element RaceUSACat, if the user is looking for individuals who are Asian, the results will only show GUIDs for subjects who are only identified as Asian and not any other race in addition to that.

7.5.2 MultiRace

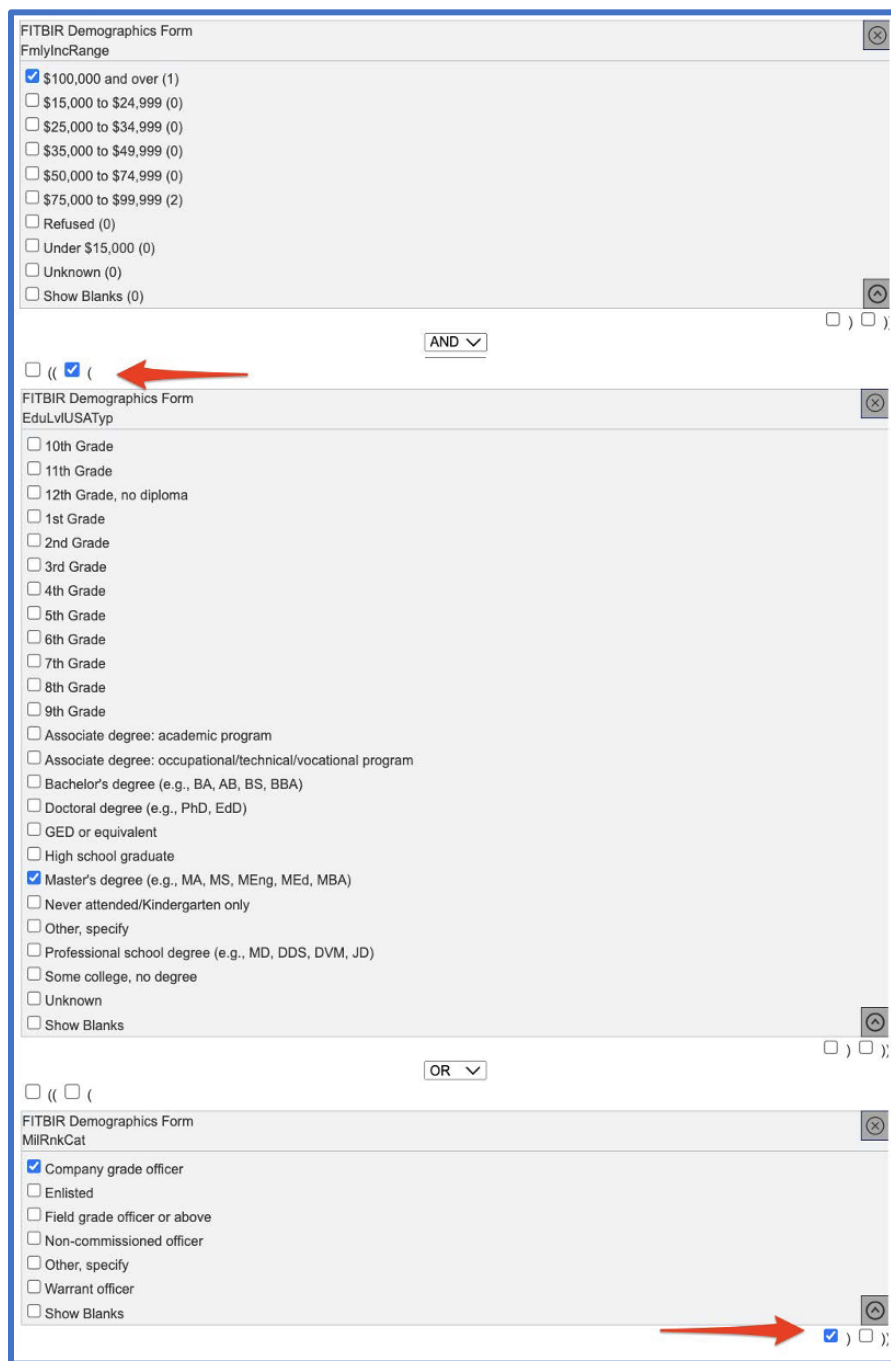
The RaceUSACat Data Element has the option to show GUIDs with multiple races.

- Choose the Data Element RaceUSACat to be filtered.
- In the Filter Data, scroll down to the “Show multirace Data” box.
- Click on the “Show multirace Data” box and then Run Query, and all GUIDs with multiple races will appear.

7.5.3 Using Parentheses in Filter Data

You can use parentheses to do more complicated queries such as the following example (photos on next page):

We want subjects with a family income range of \$100,000+ AND (they have at least a master's degree OR they were a company grade officer.)



The screenshot shows the FITBIR Demographics Form with three stacked filter sections. The first section, 'FmlyIncRange', has the option '\$100,000 and over (1)' selected. The second section, 'EduLvUSATyp', has the option 'Master's degree (e.g., MA, MS, MEng, MEd, MBA)' selected. The third section, 'MilRnkCat', has the option 'Company grade officer' selected. The filter logic is built using parentheses and logical operators: 'AND' is used between the first and second sections, and 'OR' is used between the second and third sections. The final filter expression is: `(($100,000 and over (1) AND (Master's degree (e.g., MA, MS, MEng, MEd, MBA) OR Company grade officer)))`. Red arrows point to the opening parenthesis of the second section and the closing parenthesis of the third section.

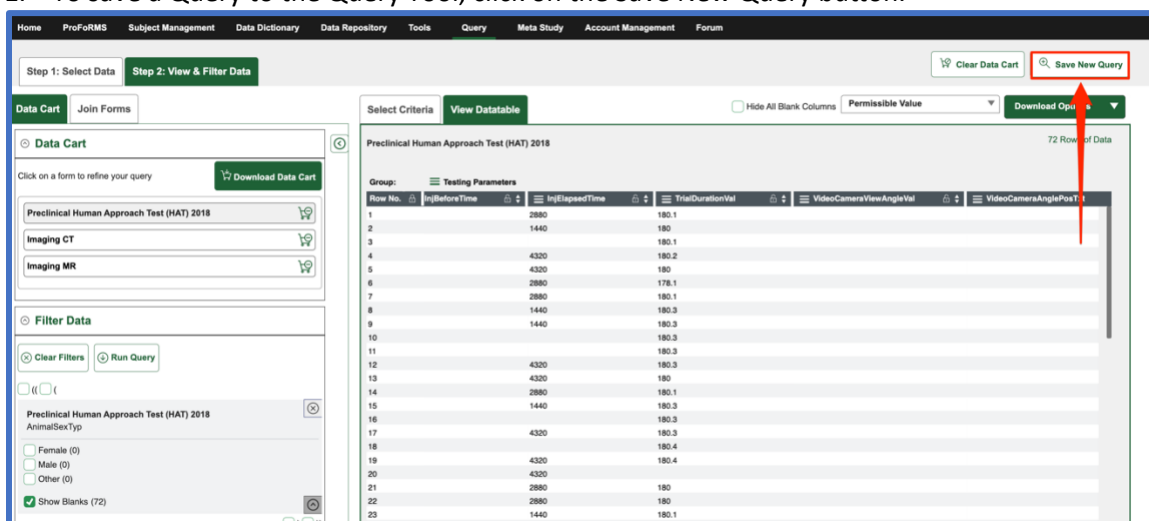
7.6 Save Query

This section is to learn how to save a query so it is stored and can later be restored.

7.6.1 Create a Defined Query

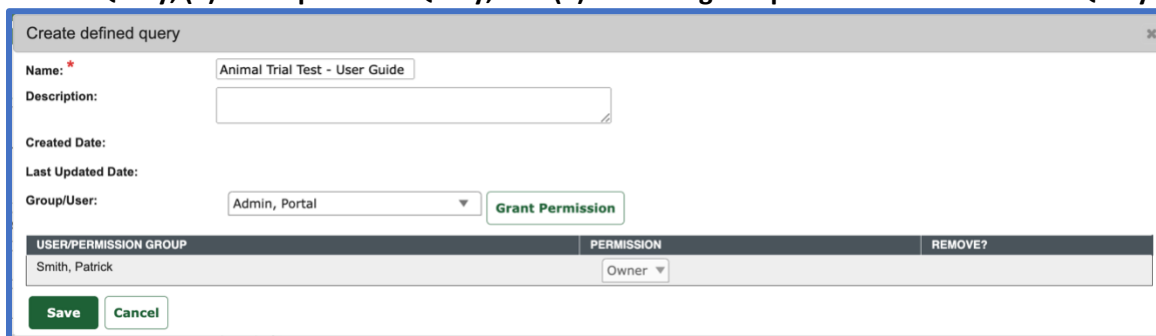
After refining the data using the filter capabilities, users can save the query, which can be stored in both Meta Study and Query Tool.

1. To save a Query to the Query Tool, click on the Save New Query button.



The screenshot shows the BRICS Query Tool interface. The top navigation bar includes links for Home, ProFormMS, Subject Management, Data Dictionary, Data Repository, Tools, Query, Meta Study, Account Management, and Forum. The main interface is divided into two sections: 'Step 1: Select Data' and 'Step 2: View & Filter Data'. In the 'Step 2: View & Filter Data' section, there is a 'Data Cart' on the left with a 'Download Data Cart' button. The 'Filter Data' section on the left shows filters for 'Preclinical Human Approach Test (HAT) 2018' and 'AnimalSexType'. The main area displays a table of data with columns: Row No., InBeforeTime, InElapsedTime, TrialDurationVal, VideoCameraViewAngleVal, and VideoCameraAnglePosVal. The 'Save New Query' button is highlighted with a red box and an arrow.

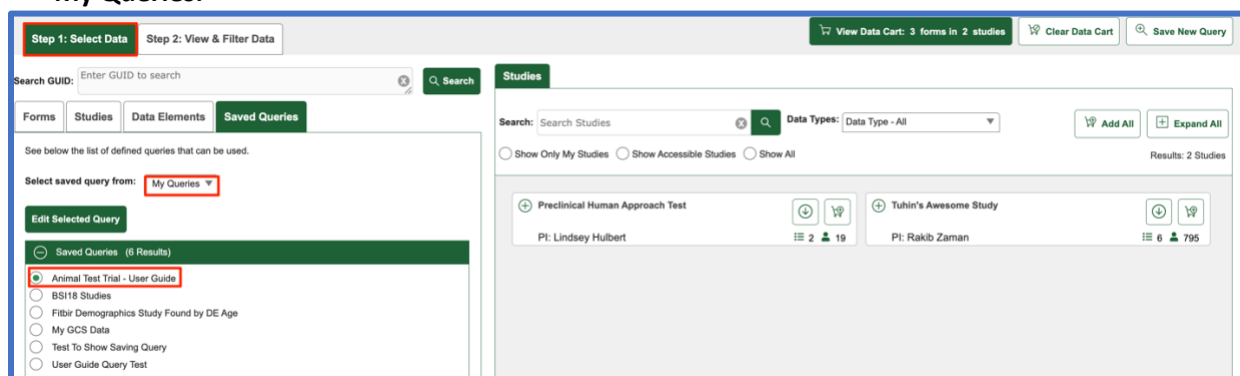
2. The Save New Query will provide a pop-up box to provide information for the query: **(1) Name for Query, (2) Description for Query, and (3) Users to grant permission access to the Query.**



The screenshot shows the 'Create defined query' pop-up box. It contains the following fields and controls:

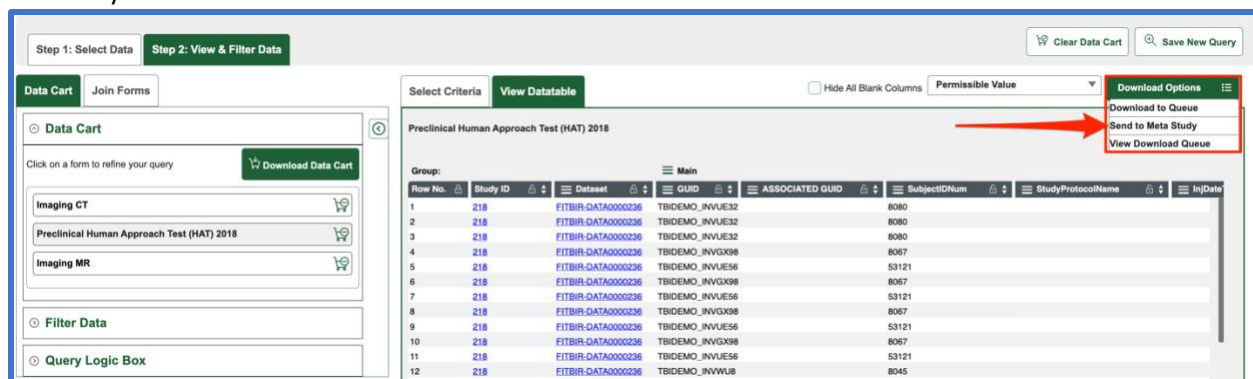
- Name:** A text field with the value 'Animal Trial Test - User Guide'.
- Description:** A text area.
- Created Date:** A text field.
- Last Updated Date:** A text field.
- Group/User:** A dropdown menu with the value 'Admin, Portal'.
- Grant Permission:** A green button.
- Table:** A table with columns 'USER/PERMISSION GROUP', 'PERMISSION', and 'REMOVE?'. It contains one row with 'Smith, Patrick' and 'Owner'.
- Buttons:** 'Save' and 'Cancel' buttons at the bottom.

- Once you have saved a new query, you can find it under **Step 1: Filter Data > Defined Queries > My Queries**.



7.6.2 Save Query to Meta Study

- To save a Query to the Meta Study, hover over Download Options, and click on Send to Meta Study.



- Once the Send to Meta Study is clicked, a pop-up box will appear to provide information about the Query. Complete the information in the pop-up box then click Save.

Note: The user should create a Meta Study before saving a Query.

Send to Meta Study

Send the query, datatable results, or both to the meta study

Search:

	META STUDY TITLE	DESCRIPTION
<input checked="" type="radio"/>	User Guide Test	Test
<input type="radio"/>	External Meta Study example	We will be creating a meta study to hold data external to BRICS.
<input type="radio"/>	User Guide Test 21	This is a test for the user guide.

Showing 1 to 3 of 3 entries (1 row selected of 3)

FIRST PREVIOUS 1 NEXT LAST

Save query filters to meta study:

☐ Yes ☒ No

Saved Query Name:

User Guide Info

Description:

Save filtered data file to meta study:

☐ Yes ☒ No

Data File Name

Test Trials

Description

Trials from animal research

Save

Cancel