



THIS PAGE HAS BEEN LEFT INTENTIONALLY BLANK

Chapter

7

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.

OBJECTIVE

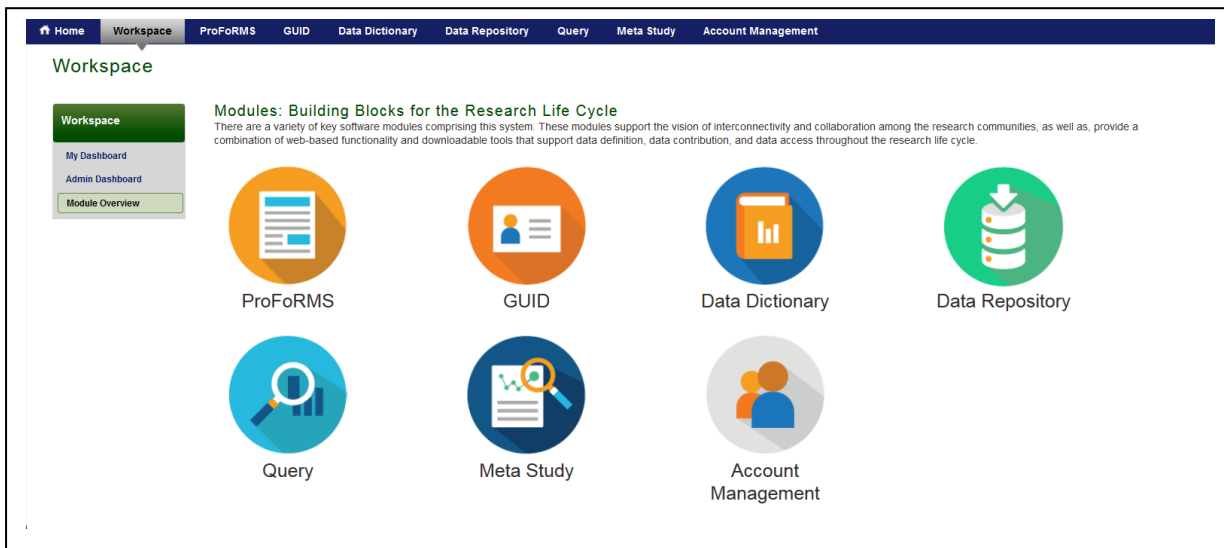
This chapter provides information for users on how to:

- ❖ 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

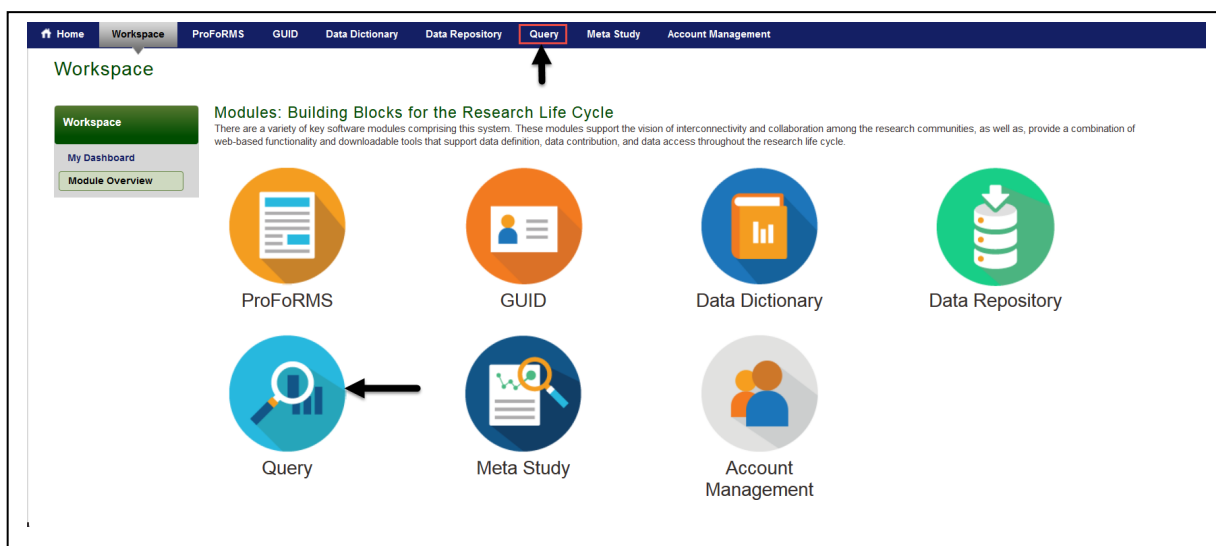
ACCESS QUERY TOOL

To access the [Query Tool](#): Perform the following actions:

1. Log in to the system.
2. Navigate to the Workspace landing page.



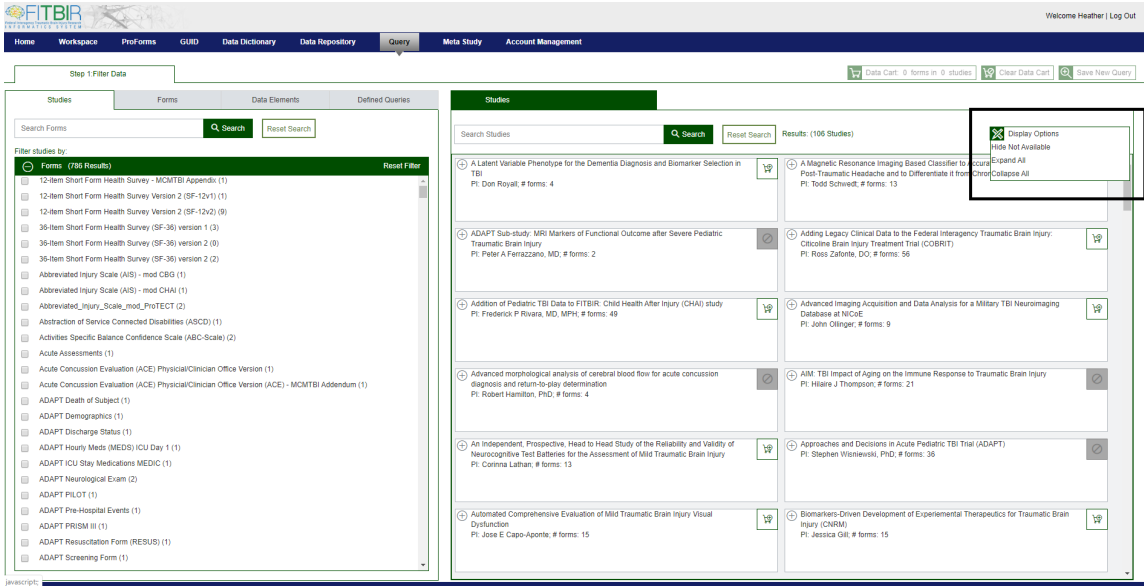
3. Click the **Query** module or Click on Query located on the top bar of the Workspace page.



4. The default view of the Query Module is the list of studies in the Repository that have submitted data. Data can be accessed only from Shared Studies, the user's own

study data or a study the user has permission to access. Any study that the user does not have access to will have a greyed out circle to the right of the study.

- a. To view only the Shared Studies, click on Display Options → Hide Not Available. The number for the results will change from the total number of studies with data to the number of studies with shared data or data that the user has access to.



The screenshot shows the FITBIR Data Repository interface. The top navigation bar includes Home, Workspace, Proforms, GUID, Data Dictionary, Data Repository, Query, Meta Study, and Account Management. The main content area is titled 'Step 1 Filter Data' and contains a 'Studies' section. On the left, there is a 'Filter studies by' list with various search criteria. The main 'Studies' list displays search results for 106 studies, each with a search icon, a title, and the number of forms. A 'Display Options' menu is open, showing options: 'Hide Not Available' (checked), 'Expand All', and 'Collapse All'. The 'Display Options' menu is highlighted with a red box.

SECTION 1: FILTER DATA

There are four methods to filter data within the Query Tool. The four methods include (1) Studies, (2) Forms, (3) Data Elements, and (4) Defined Queries. To View and Refine the data, please refer to Section 2 and Section 3 of the Query Tool User Guide.

The screenshot displays the FITBIR Query Tool interface. At the top, there is a navigation bar with tabs for Home, Workspace, ProForms, GUID, Data Dictionary, Data Repository, Query, Meta Study, and Account Management. The 'Query' tab is active. Below the navigation bar, the interface is split into two main sections. The left section, titled 'Step 1 Filter Data', has four sub-tabs: Studies, Forms, Data Elements, and Defined Queries. The 'Forms' tab is selected, showing a search bar and a list of form structures. The right section, titled 'Studies', has a search bar and a grid of study results. The 'Studies' tab is selected, showing a search bar and a grid of study results.

Form Structure	Number of Studies
12-Item Short Form Health Survey - MCMTBI Appendix	1
12-Item Short Form Health Survey Version 2 (SF-12v1)	1
12-Item Short Form Health Survey Version 2 (SF-12v2)	9
36-Item Short Form Health Survey (SF-36) version 1	3
36-Item Short Form Health Survey (SF-36) version 2	0
36-Item Short Form Health Survey (SF-36) version 2	2
Abbreviated Injury Scale (AIS) - mod CBG	1
Abbreviated Injury Scale (AIS) - mod CHAI	1
Abbreviated_Injury_Scale_mod_ProTECT	2
Abstraction of Service Connected Disabilities (ASCD)	1
Activities Specific Balance Confidence Scale (ABC-Scale)	2
Acute Assessments	1
Acute Concussion Evaluation (ACE) Physical/Clinician Office Version	1
Acute Concussion Evaluation (ACE) Physical/Clinician Office Version (ACE) - MCMTBI Addendum	1
ADAPT Death of Subject	1
ADAPT Demographics	1
ADAPT Discharge Status	1
ADAPT Hourly Meds (MEDS) ICU Day 1	1
ADAPT ICU Stay Medications MEDIC	1
ADAPT Neurological Exam	2
ADAPT PILOT	1
ADAPT Pre-Hospital Events	1
ADAPT PRISM III	1
ADAPT Resuscitation Form (RESUS)	1
ADAPT Screening Form	1

Study Title	PI Name	Form Count
A Latent Variable Phenotype for the Dementia Diagnosis and Biomarker Selection in TBI	Don Royal	4
A Magnetic Resonance Imaging Based Classifier to Accurately Diagnose Persistent Post-Traumatic Headache and to Differentiate it from Chronic Migraine	Todd Schwedt	13
ADAPT Sub-study: MRI Markers of Functional Outcome after Severe Pediatric Traumatic Brain Injury	Peter A Ferrazzano	2
Adding Legacy Clinical Data to the Federal Interagency Traumatic Brain Injury: Citicoline Brain Injury Treatment Trial (COBRIT)	Ross Zafonte	56
Addition of Pediatric TBI Data to FITBIR: Child Health After Injury (CHAI) study	Frederick P Rivara	49
Advanced Imaging Acquisition and Data Analysis for a Military TBI Neuroimaging Database at NICoE	John Ollinger	9
Advanced morphological analysis of cerebral blood flow for acute concussion diagnosis and return-to-play determination	Robert Hamilton	4
AIM: TBI Impact of Aging on the Immune Response to Traumatic Brain Injury	Hilaree J Thompson	21
An Independent, Prospective, Head to Head Study of the Reliability and Validity of Neurocognitive Test Batteries for the Assessment of Mild Traumatic Brain Injury	Conna Lathan	13
Automated Comprehensive Evaluation of Mild Traumatic Brain Injury Visual Dysfunction	Jose E Capo-Aponte	15
Approaches and Decisions in Acute Pediatric TBI Trial (ADAPT)	Stephen Wisniewski	38
Biomarkers-Driven Development of Experimental Therapeutics for Traumatic Brain Injury (CNRM)	Jessica Gill	15

I. Filter Data: Studies

Within the Studies 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.
 - a. 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 “12-item Short Form Health Survey Version 2 (SF-12v2),” there are 9 studies that have data submitted data to that form.

Step 1: Filter Data

Studies Forms Data Elements Defined Queries

Search Forms

Filter studies by:

Forms (786 Results)

- 12-item Short Form Health Survey - MCMTBI Appendix (1)
- 12-item Short Form Health Survey Version 2 (SF-12v1) (1)
- 12-item Short Form Health Survey Version 2 (SF-12v2) (9)
- 36-Item Short Form Health Survey (SF-36) version 1 (3)
- 36-Item Short Form Health Survey (SF-36) version 2 (0)
- 36-Item Short Form Health Survey (SF-36) version 2 (2)
- Abbreviated Injury Scale (AIS) - mod CBG (1)
- Abbreviated Injury Scale (AIS) - mod CHAI (1)
- Abbreviated_Injury_Scale_mod_ProTECT (2)
- Abstraction of Service Connected Disabilities (ASCD) (1)
- Activities Specific Balance Confidence Scale (ABC-Scale) (2)
- Acute Assessments (1)
- Acute Concussion Evaluation (ACE) Physical/Clinician Office Version (1)
- Acute Concussion Evaluation (ACE) Physical/Clinician Office Version (ACE) - MCMTBI Addendum (1)
- ADAPT Death of Subject (1)
- ADAPT Demographics (1)
- ADAPT Discharge Status (1)
- ADAPT Hourly Meds (MEDS) ICU Day 1 (1)
- ADAPT ICU Stay Medications MEDIC (1)
- ADAPT Neurological Exam (2)
- ADAPT PILOT (1)
- ADAPT Pre-Hospital Events (1)
- ADAPT PRISM III (1)
- ADAPT Resuscitation Form (RESUS) (1)
- ADAPT Screening Form (1)

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 will provide the shared studies (when set on Shared Studies) that have data submitted against the form structure.



The screenshot shows the FITBIR web application interface. At the top, there is a navigation bar with tabs for Home, Workspace, Prof/Forms, GUID, Data Dictionary, Data Repository, Query, Meta Study, and Account Management. The user is logged in as Heather. Below the navigation bar, there is a 'Step 1 Filter Data' section. The main content area is divided into two panes. The left pane, titled 'Forms', shows a list of forms with search and reset buttons. The right pane, titled 'Studies', shows search results for studies, including 'A Latent Variable Phenotype for the Dementia Diagnosis and Biomarker Selection in TBI' and 'Concussion Assessment, Research and Education (CARE) Consortium'.

Figure 1. View of results when the user clicks on Form Structure from the list.

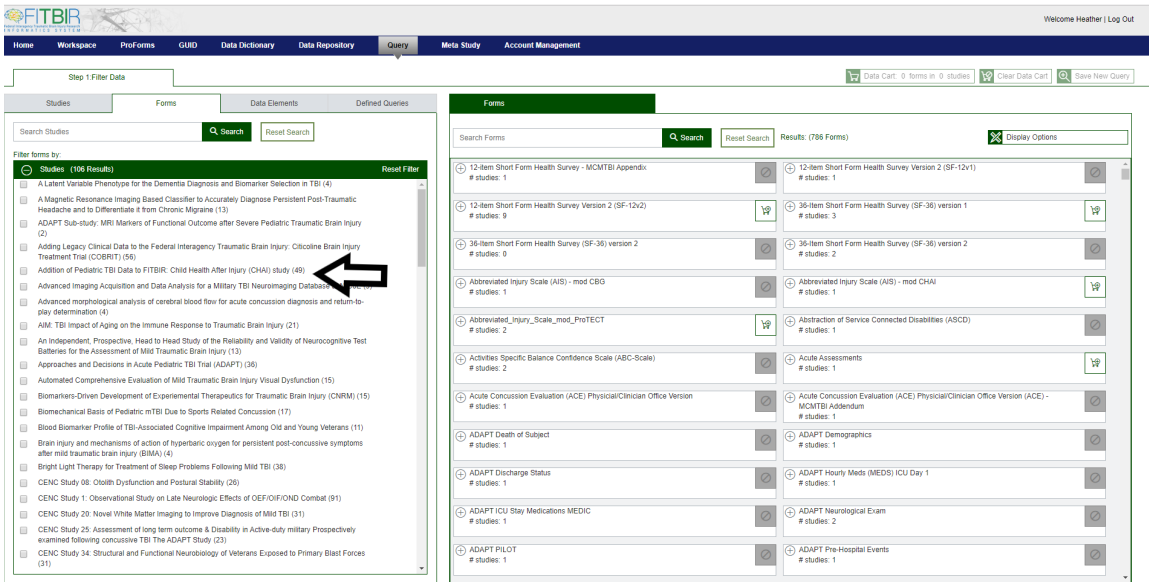
The screenshot shows the FITBIR web application interface. At the top, there is a navigation bar with tabs for Home, Workspace, Prof/Forms, GUID, Data Dictionary, Data Repository, Query, Meta Study, and Account Management. The user is logged in as Heather. Below the navigation bar, there is a 'Step 1 Filter Data' section. The main content area is divided into two panes. The left pane, titled 'Forms', shows search results for 'SF-12' with '12-Item Short Form Health Survey Version 2 (SF-12v2) (9)' selected. The right pane, titled 'Studies', shows search results for studies, including 'A Latent Variable Phenotype for the Dementia Diagnosis and Biomarker Selection in TBI' and 'Concussion Assessment, Research and Education (CARE) Consortium'.

Figure 2. View of results when the user searches for a Form Structure using the short name.

II. Filter Data: Forms

With the Forms 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.
 - a. The number at the end of the study title indicates the number of form structures that have data submitted. For example, the CHAI study has 49 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.



2. The other option is to type in the study title or the Principal Investigator's name in the **Search Studies** box and click **Search**.

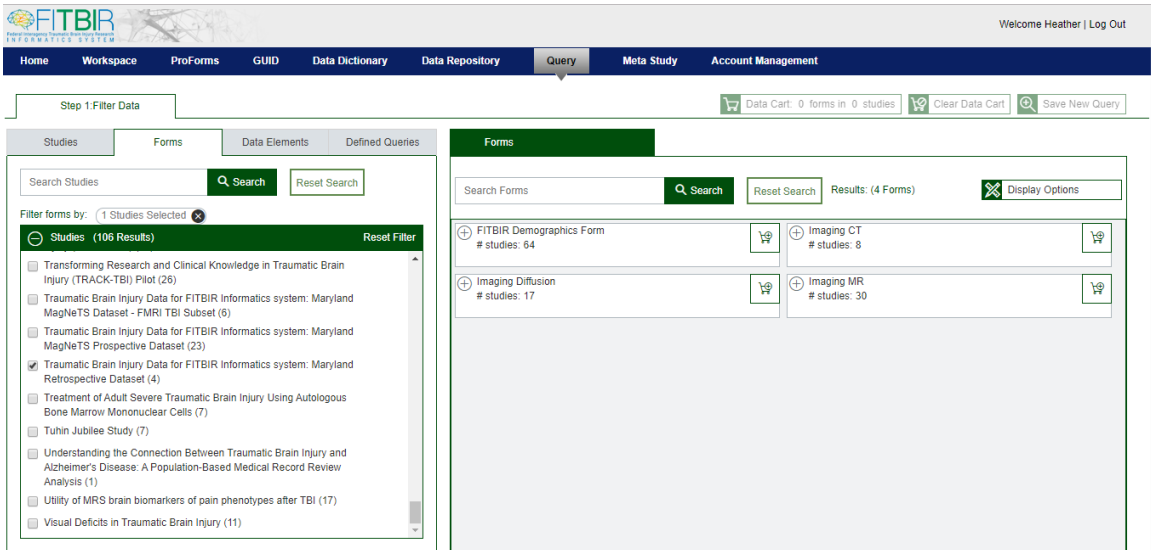


Figure 1. Click the checkbox for the Study Title to view the form structures

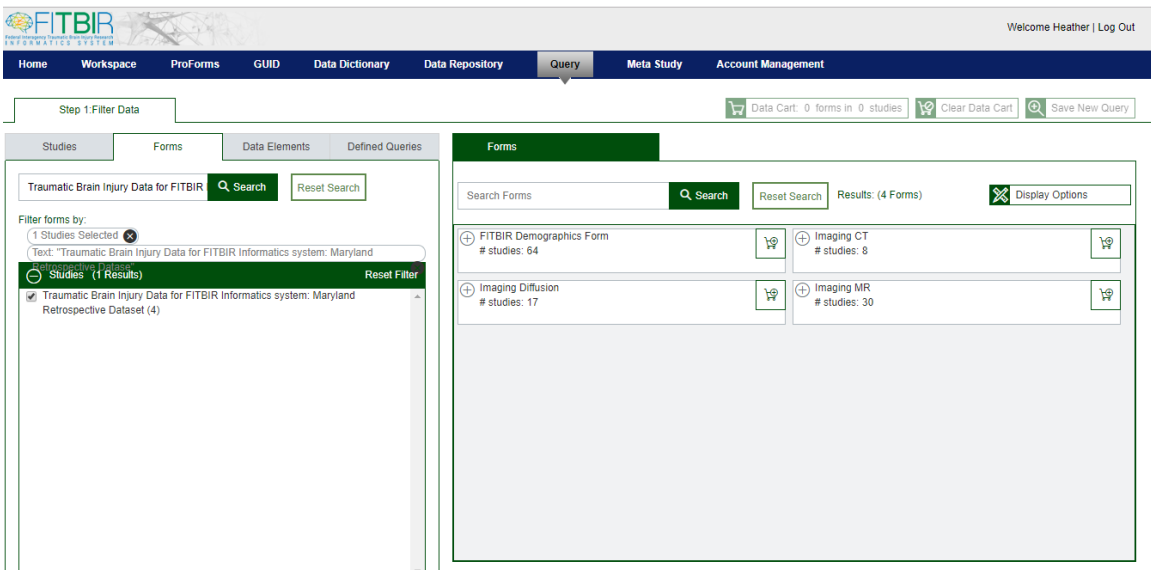


Figure 2. View of the form structures searching by study title

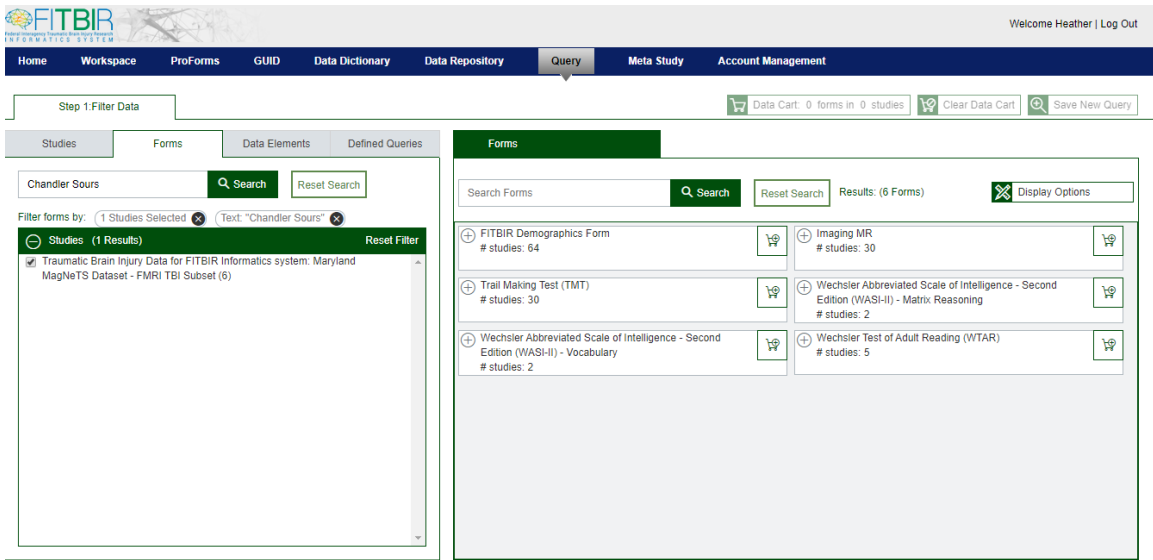


Figure 3. View of the form structures searching by Principal Investigator Name

III. Filter Forms: 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 **Select Data Elements** button.
2. A pop-up box will appear, which will contain data elements that are published in the data dictionary.
3. Within the pop-up box, users are able to use the filters to see the different types of data elements.



Search Locations [v] [Search] Whole Word or Phrase

Element Type
 Common Data Element
 Unique Data Element

Disease
 Amyotrophic Lateral Sclerosis
 Epilepsy
 Friedrich's Ataxia
 General (For all diseases)
 Headache
 Huntington's Disease
 Multiple Sclerosis
 Myasthenia Gravis
 Neuromuscular Diseases
 Parkinson's Disease
 Spinal Cord Injury
 Spinal Muscular Atrophy

Population
 Adult
 Adult and Pediatric
 Pediatric
 Preclinical

Title	Variable Name	Type
<input type="checkbox"/> Abbreviated injury scale body region category	AbbrevInjryScalBodyRgnCat	CDE
<input type="checkbox"/> Activities specific Balance Confidence Scale (ABC-Scale) - icy sidewalk scale	ABCScaleBlncCnfdncelcySdwlkScI	CDE
<input type="checkbox"/> Activities specific Balance Confidence Scale (ABC-Scale) - walk stairs scale	ABCScaleBlncCnfdnceWlkStairScI	CDE
<input type="checkbox"/> Activities specific Balance Confidence Scale (ABC-Scale) - body collision scale	ABCScaleBodyCollisonScale	CDE
<input type="checkbox"/> Activities specific Balance Confidence Scale (ABC-Scale) - walk to car scale	ABCScaleCfdnceWlkCarScale	CDE
<input type="checkbox"/> Activities specific Balance Confidence Scale (ABC-Scale) - chair stand scale	ABCScaleCnfdnceChairStndScale	CDE
<input type="checkbox"/> Activities specific Balance Confidence Scale (ABC-Scale) - crowd scale	ABCScaleCnfdnceCrwdScale	CDE
<input type="checkbox"/> Activities specific Balance Confidence Scale (ABC-Scale) - escalator use scale	ABCScaleCnfdnceEscalatorScale	CDE
<input type="checkbox"/> Activities specific Balance Confidence Scale (ABC-Scale) - escalator parcel use scale	ABCScaleCnfdnceEscltrPrCUseScI	CDE
<input type="checkbox"/> Activities specific Balance Confidence Scale (ABC-Scale) - across parking lot scale	ABCScaleCnfdnceParkingLotScale	CDE
<input type="checkbox"/> Activities specific Balance Confidence Scale (ABC-Scale) - ramp scale	ABCScaleCnfdnceRampScale	CDE
<input type="checkbox"/> Activities specific Balance Confidence Scale (ABC-Scale) - sweep scale	ABCScaleCnfdnceSweepScale	CDE
<input type="checkbox"/> Activities specific Balance Confidence Scale (ABC-Scale) - bend to floor scale	ABCScaleCnfdnceStairsScale	CDE
<input type="checkbox"/> Activities specific Balance Confidence Scale (ABC-Scale) - enter exit car scale	ABCScaleEntrExitCarScale	CDE
<input type="checkbox"/> Activities specific Balance Confidence Scale (ABC-Scale) - reach scale	ABCScaleReachScale	CDE

Showing 1 to 15 of 16,559 entries

First Previous 1 2 3 4 5 Next Last

Add Selected Elements Cancel

4. Data elements can be searched for by typing in the title or short name of the data element in the Search box and click on **Search**. The other option is to navigate through the pages.

Search Locations [v] ABCScaleBlncCnfdncelcySdwlkScI [Search] Whole Word or Phrase

Element Type
 Common Data Element
 Unique Data Element

Disease
 Amyotrophic Lateral Sclerosis
 Epilepsy
 Friedrich's Ataxia
 General (For all diseases)
 Headache
 Huntington's Disease
 Multiple Sclerosis
 Myasthenia Gravis
 Neuromuscular Diseases
 Parkinson's Disease
 Spinal Cord Injury
 Spinal Muscular Atrophy

Population
 Adult
 Adult and Pediatric
 Pediatric
 Preclinical

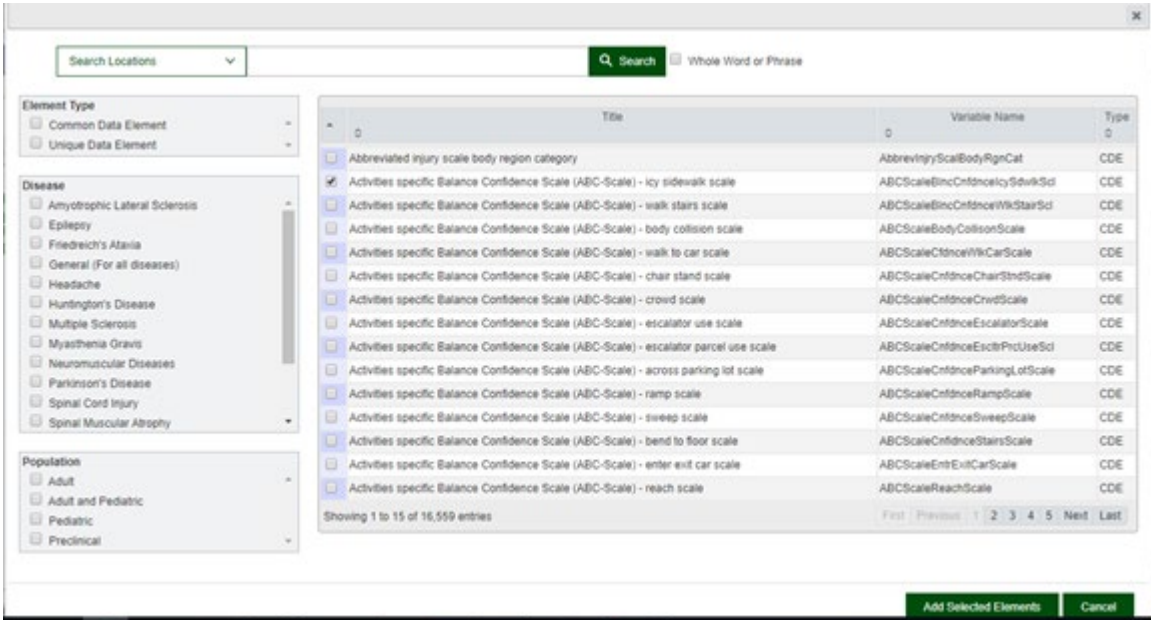
Title	Variable Name	Type
<input checked="" type="checkbox"/> Activities specific Balance Confidence Scale (ABC-Scale) - icy sidewalk scale	ABCScaleBlncCnfdncelcySdwlkScI	CDE

Showing 1 to 1 of 1 entries

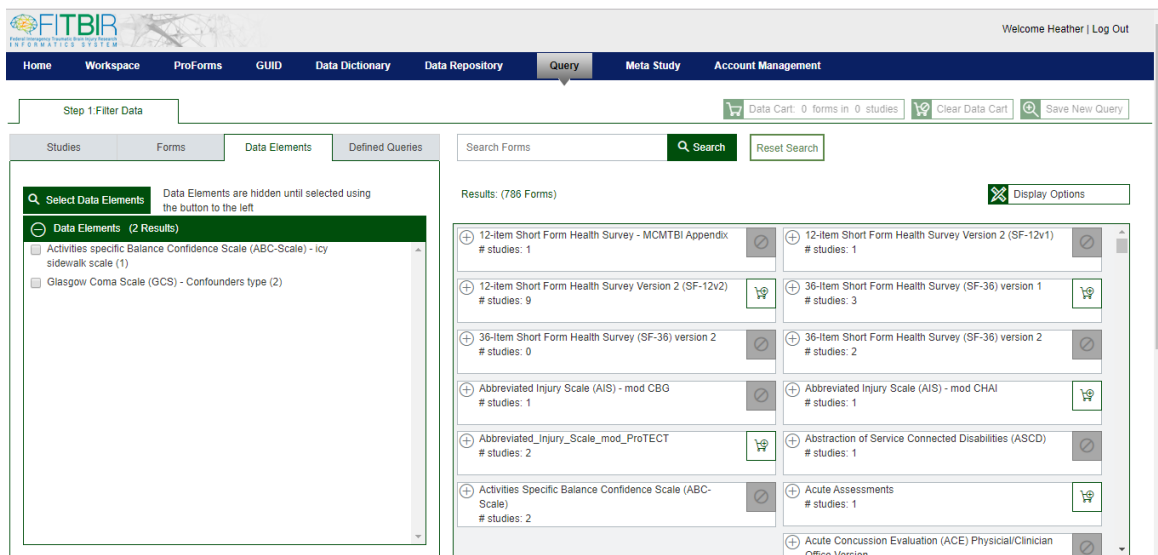
First Previous 1 Next Last

Add Selected Elements Cancel

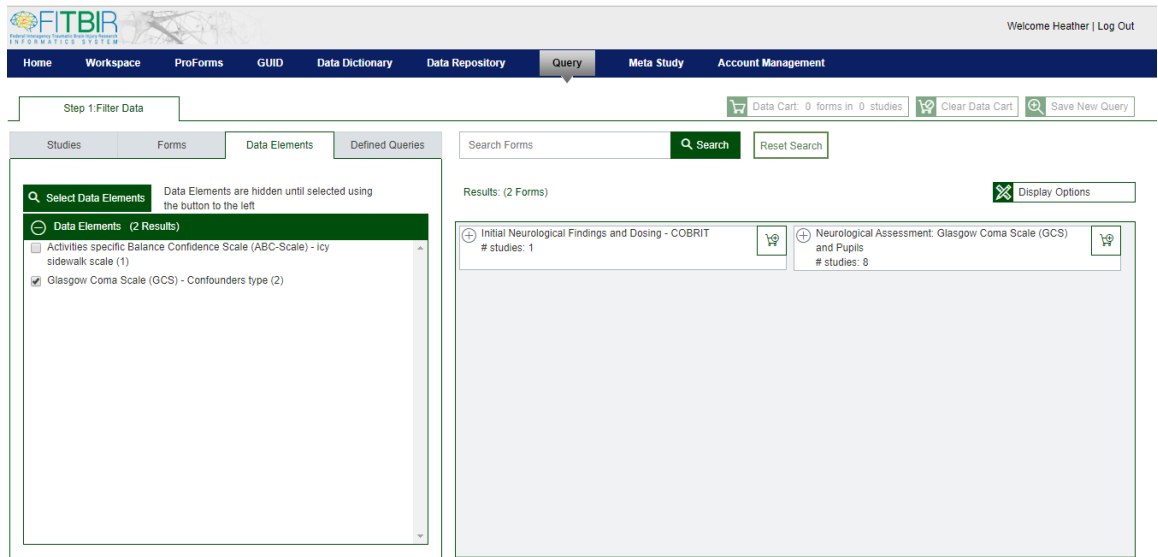
5. Click on the data element or elements desired to be filtered on. Then click on Add Selected Elements



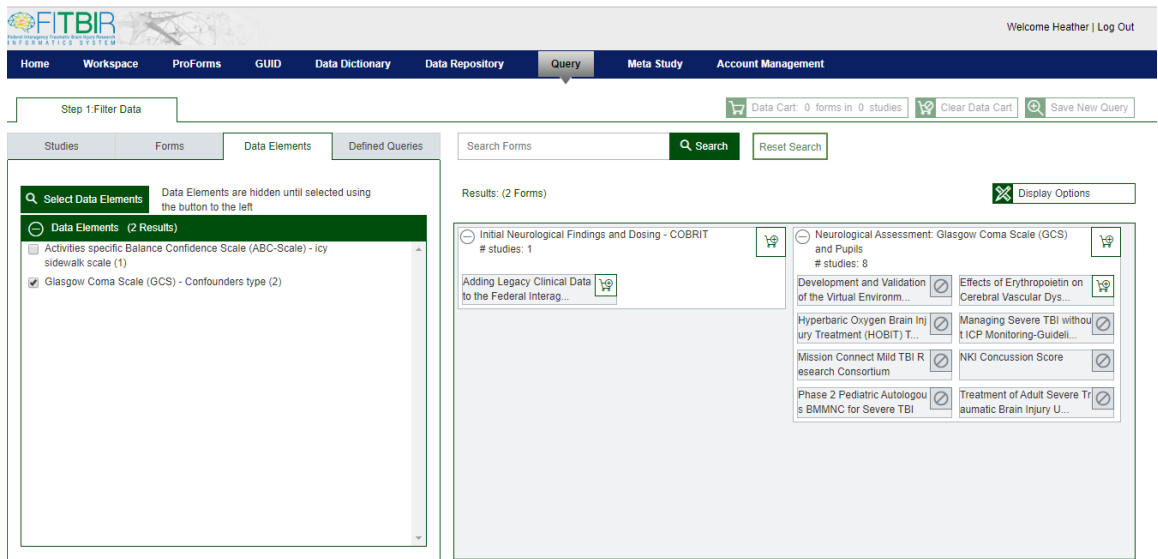
6. After adding the data elements, the pop-up box will close to show the data elements that were chosen.



7. Click on the checkbox for the data element, and the result table will provide the associated form structures.



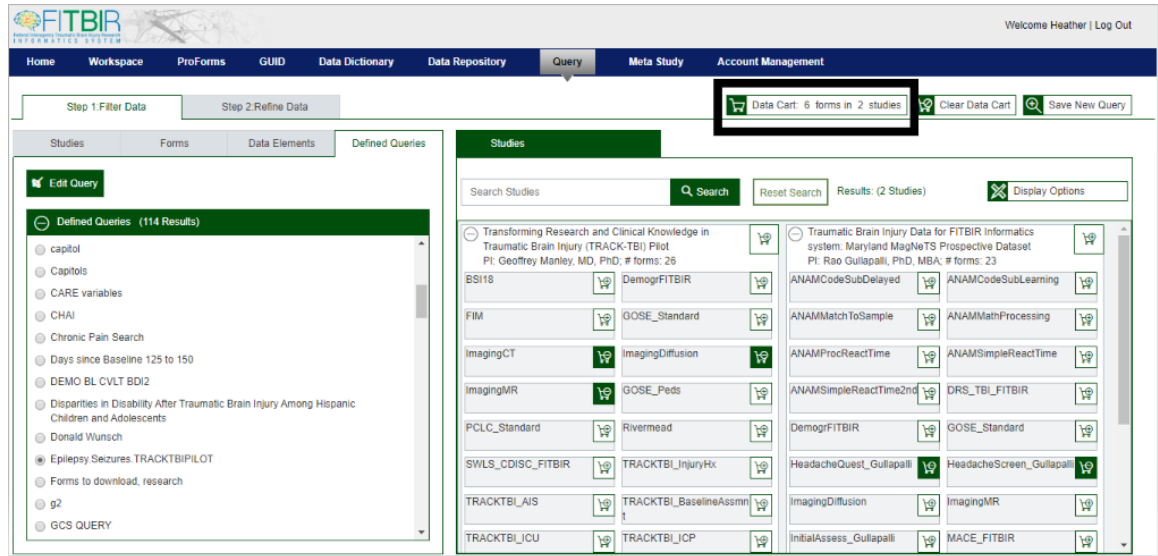
- To see the studies that have data for each form structure, expand the form structures using the +.



IV. Filter Data: Defined Queries

Within the Defined 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.**

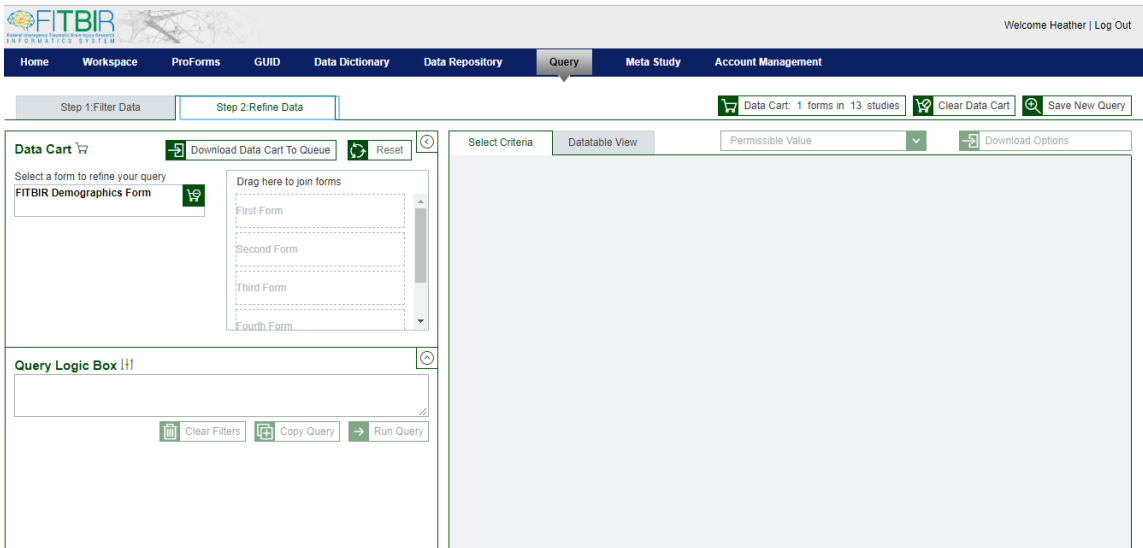
1. Click on the **Defined Queries** button, and click on a query that you have permission to access.
2. The results table will provide the studies and the form structures that were used in refining the data.
3. In the Data Cart, it will display the number of forms and studies in the query.



SECTION 2: VIEW THE DATA

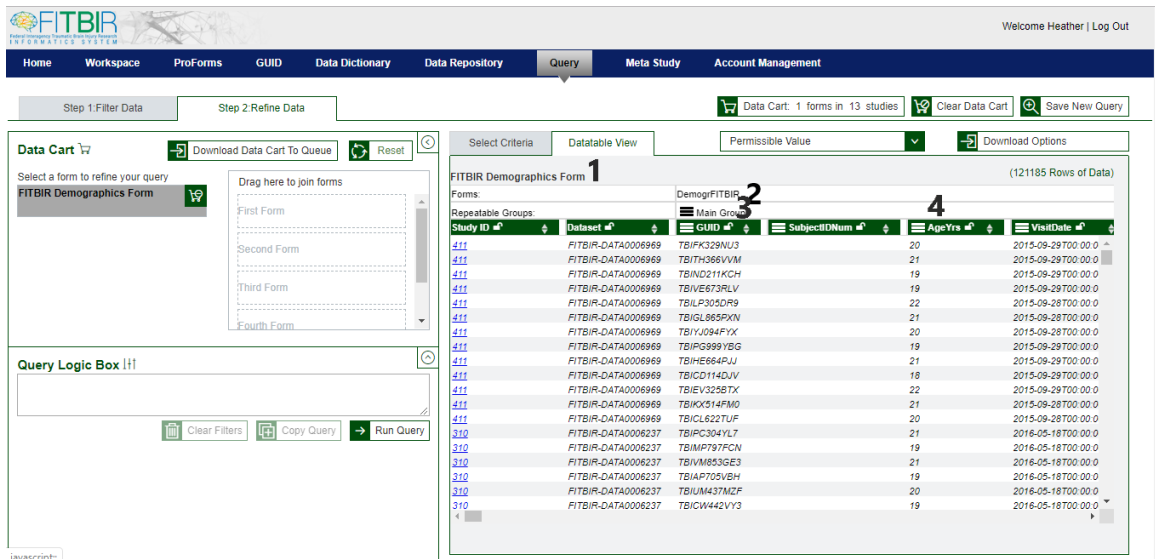
After choosing the data (please refer to Section 1: Filter Data to choose data), Step 2: Refine Data will appear, which allows the user to refine their data through the following options:

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



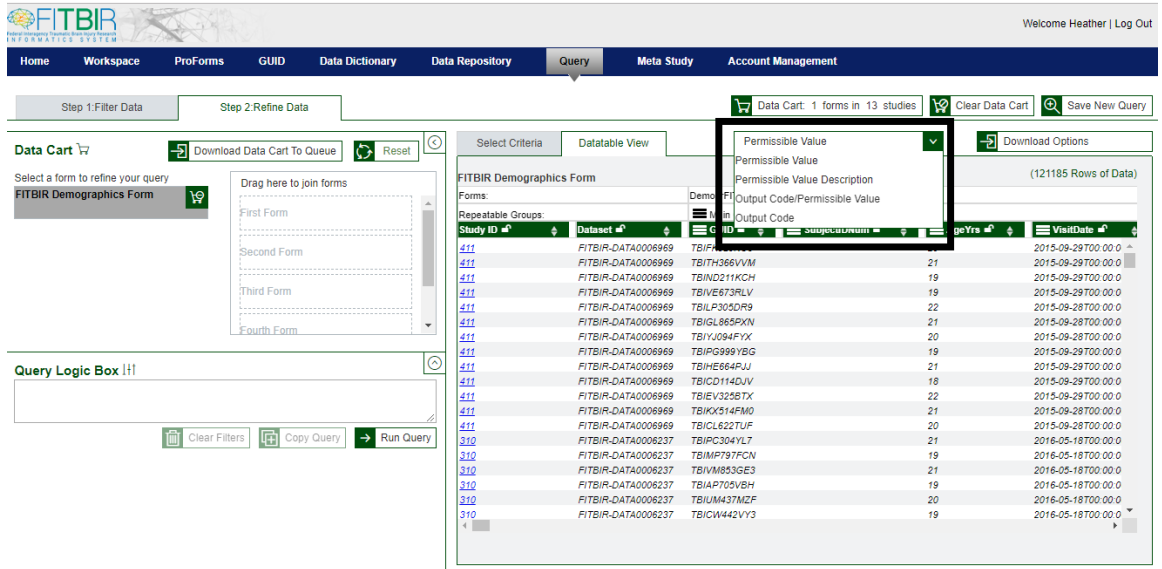
View Data from Selected Studies and Form Structures

1. To view the data in the form structure, click on the form structure. The data in the form structure will appear in the **Datatable View**.
2. Within the **Datatable 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 element 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 Permissible Value and (4) 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.

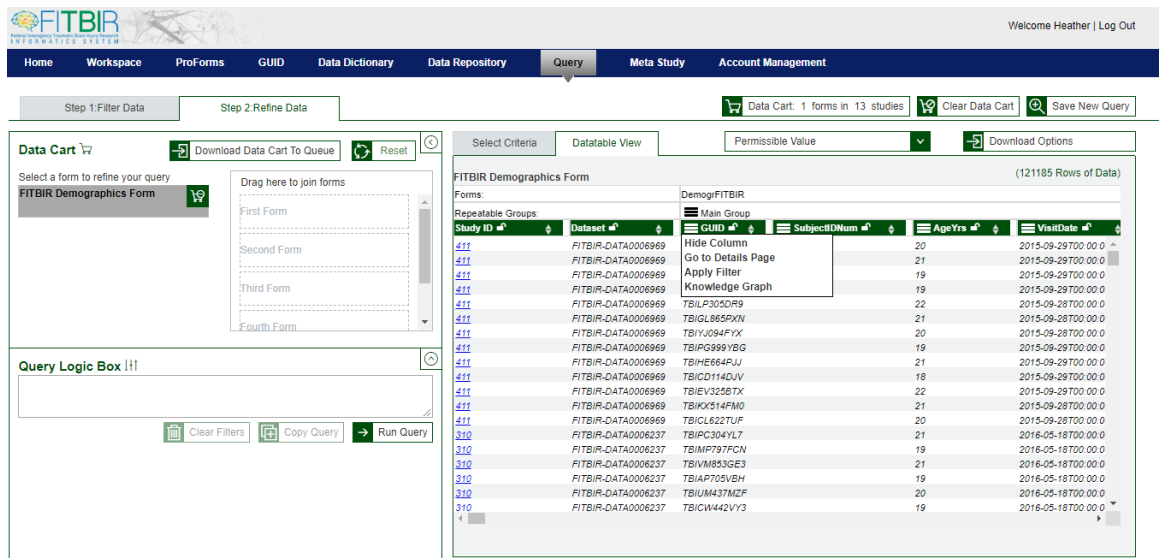


Figure 1. View of the menu of the GUID Data Element



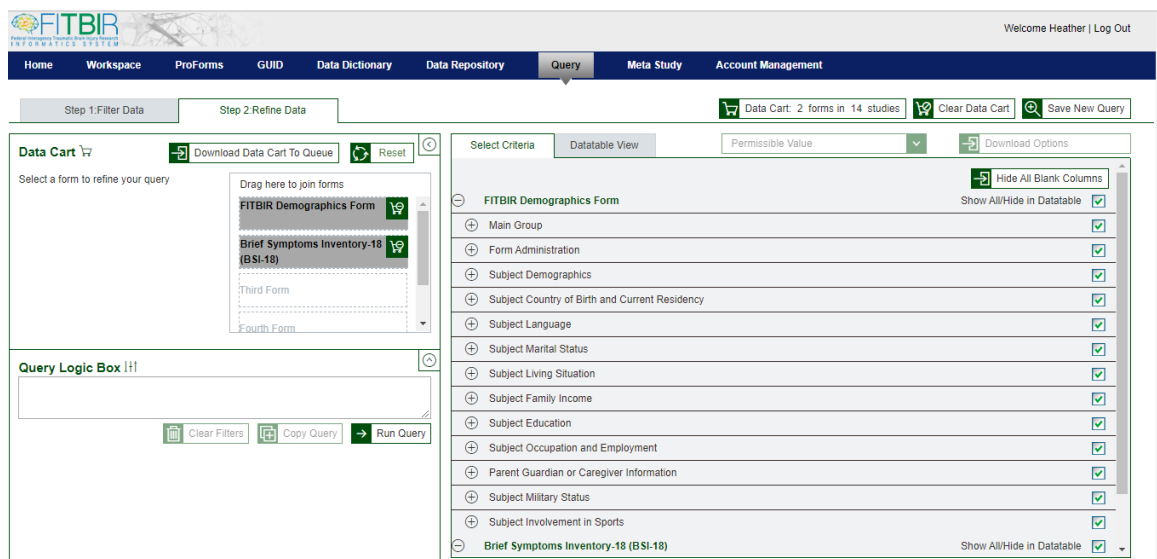
Common Data Element: GUID	
Status: Published	Data Type: GUID
Variable Name: GUID	Input Restrictions: Free-Form Entry
Definition: Global Unique ID (GUID) which uniquely identifies a subject	Mapping to external dictionaries
Guidelines & Instructions: Enter a unique GUID	
References: Johnson, S.B., Whitney, 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: CDISC variables: USUBJID. For more information, refer to https://wiki.cdisc.org/display/SDTMIG33/Subject+Visits	
Population: Adult and Pediatric	

Figure 2. The details page for the GUID Data Element

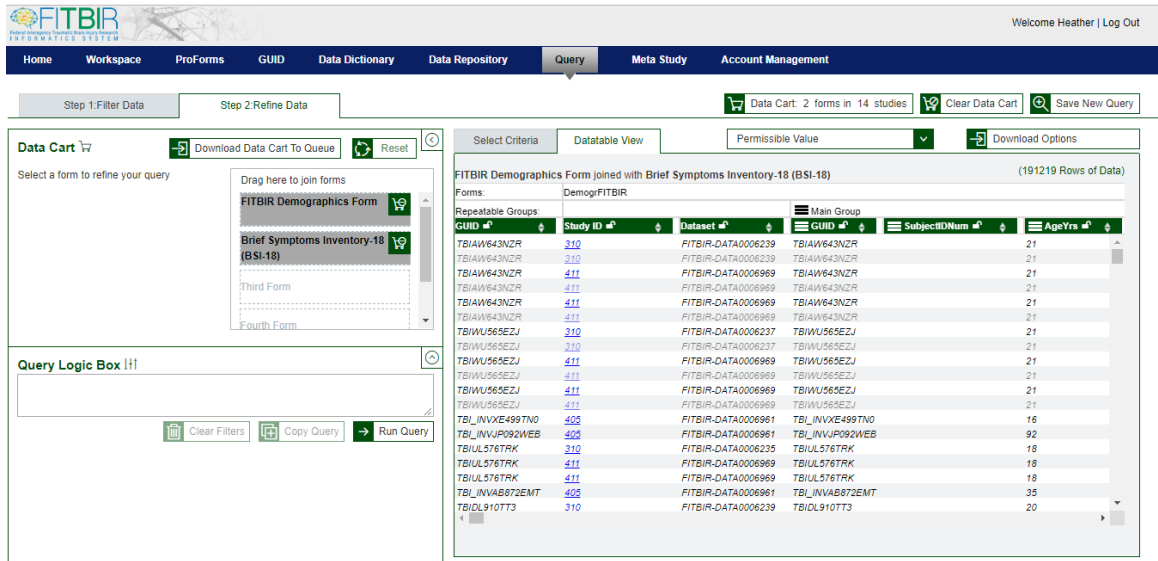
Join Forms

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. Drag the forms to the Join Box. Immediately, the Select Criteria will appear with the form structures and associated data elements to refine the data.



2. Click on Run Query (found in the Query Logic Box section), and the data will appear in the Datable View.



Step 1: Filter Data Step 2: Refine Data Data Cart: 2 forms in 14 studies Clear Data Cart Save New Query

Select Criteria Datatable View Permissible Value Download Options

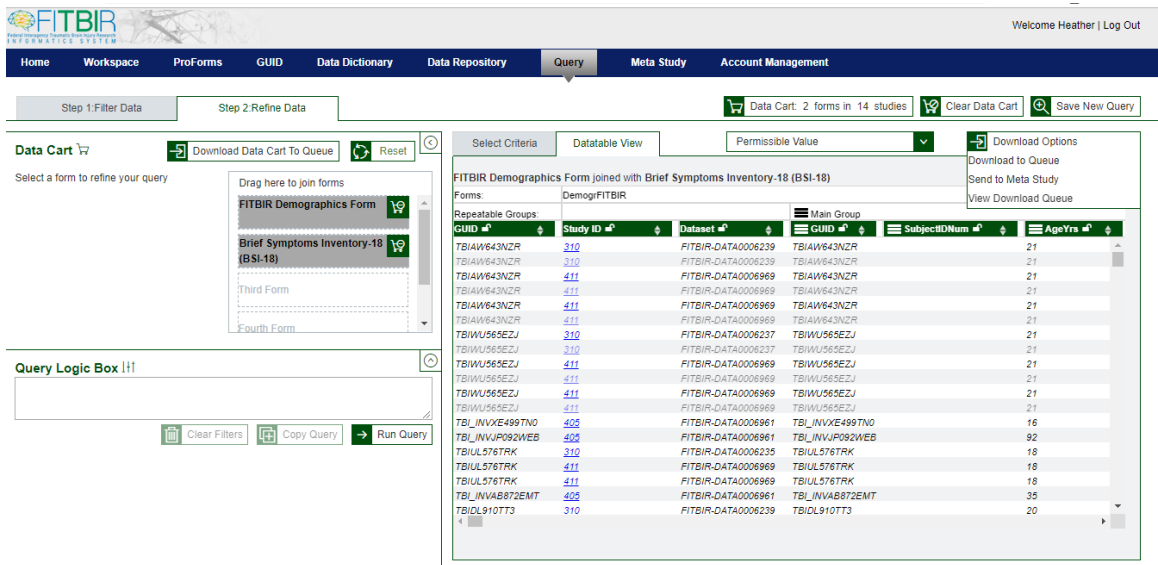
FITBIR Demographics Form joined with Brief Symptoms Inventory-18 (BSI-18) (191219 Rows of Data)

Forms: DemogrFITBIR

Repeatable Groups	GUID	Study ID	Dataset	Main Group	AgeYrs
	GUID	Study ID	Dataset	SubjectIDNum	AgeYrs
TBIAW643NZR	310	FITBIR-DATA0006239	TBIAW643NZR		21
TBIAW643NZR	310	FITBIR-DATA0006239	TBIAW643NZR		21
TBIAW643NZR	411	FITBIR-DATA0006969	TBIAW643NZR		21
TBIAW643NZR	411	FITBIR-DATA0006969	TBIAW643NZR		21
TBIAW643NZR	411	FITBIR-DATA0006969	TBIAW643NZR		21
TBIAW643NZR	411	FITBIR-DATA0006969	TBIAW643NZR		21
TBIWU565EZJ	310	FITBIR-DATA0006237	TBIWU565EZJ		21
TBIWU565EZJ	310	FITBIR-DATA0006237	TBIWU565EZJ		21
TBIWU565EZJ	411	FITBIR-DATA0006969	TBIWU565EZJ		21
TBIWU565EZJ	411	FITBIR-DATA0006969	TBIWU565EZJ		21
TBIWU565EZJ	411	FITBIR-DATA0006969	TBIWU565EZJ		21
TBIWU565EZJ	411	FITBIR-DATA0006969	TBIWU565EZJ		21
TBIWU565EZJ	411	FITBIR-DATA0006969	TBIWU565EZJ		21
TBIWU565EZJ	411	FITBIR-DATA0006969	TBIWU565EZJ		21
TBI_INVX499TNO	405	FITBIR-DATA0006961	TBI_INVX499TNO		16
TBI_INVJ092WEB	405	FITBIR-DATA0006961	TBI_INVJ092WEB		92
TBIUL576TRK	310	FITBIR-DATA0006235	TBIUL576TRK		18
TBIUL576TRK	411	FITBIR-DATA0006969	TBIUL576TRK		18
TBIUL576TRK	411	FITBIR-DATA0006969	TBIUL576TRK		18
TBIUL576TRK	411	FITBIR-DATA0006969	TBIUL576TRK		18
TBI_INV48872EMT	405	FITBIR-DATA0006961	TBI_INV48872EMT		35
TBIDL910TT3	310	FITBIR-DATA0006239	TBIDL910TT3		20

Note: If the GUID is greyed out, it indicates to the user that there is data in the other form(s). The number of times the GUID is greyed out indicates how many times data appears in the other form(s).

- 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.



Step 1: Filter Data Step 2: Refine Data Data Cart: 2 forms in 14 studies Clear Data Cart Save New Query

Select Criteria Datatable View Permissible Value Download Options

FITBIR Demographics Form joined with Brief Symptoms Inventory-18 (BSI-18)

Forms: DemogrFITBIR

Download Options

- Download to Queue
- Send to Meta Study
- View Download Queue

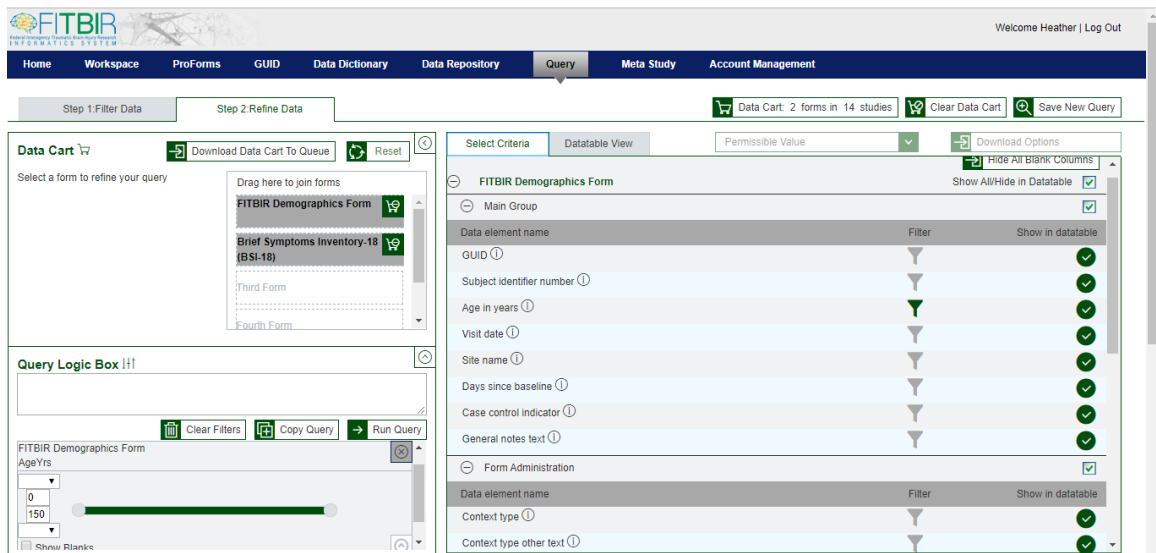
SECTION 3: REFINE THE DATA

The Query Tool allows users to refine the data by using both the Select Criteria Section and the Query Logic Box. The Query Tool is designed to conduct advanced Boolean searches.

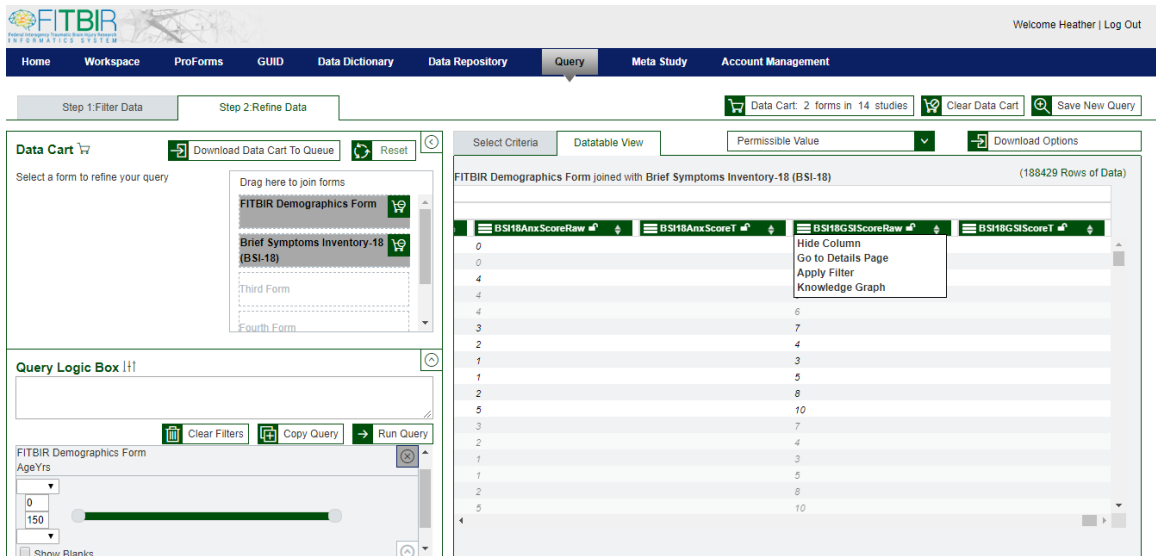


The advance Boolean search allows users to use “AND,” “NOT” and “OR” to link multiple queries.

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 Datable View.
 - a. In the Select Criteria view, select the Filter symbol for the Data Element you wish to be filtered.

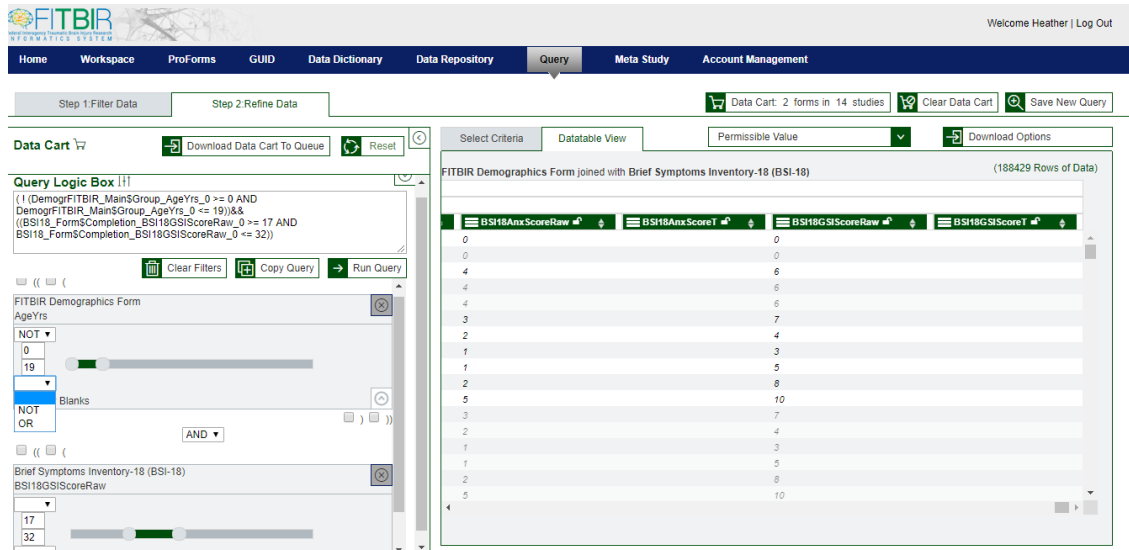


- b. In the Datable View, click on the hamburger menu for a Data Element and click on “Apply Filter.”



- c. In both cases, the Data Element will appear in the Query Logic Box.

- Once the Data Elements have been added to the Query Logic, 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 AND
Numeric	<ol style="list-style-type: none"> Single Predefined Multi-Defined Free-From 	OR, NOT and AND <ul style="list-style-type: none"> With range can only use OR and NOT
Date	Free Form	OR and NOT
GUID	Free Form	NOT
File	Free Form	OR, NOT and AND
Thumbnail	Free Form	OR, NOT and AND



Biosample	Free Form	OR, NOT and AND
Tri-Planar	Free Form	OR, NOT and AND

Inclusive/Exact Search

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

1. By default, the inclusive search is performed for data types with the requirement types Free Form and Multiple Pre-Defined Select.
2. Use the toggle button to switch between the search type.
3. 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 Asian, regardless of whether they are also another race as well.
4. 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.

MultiRace

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

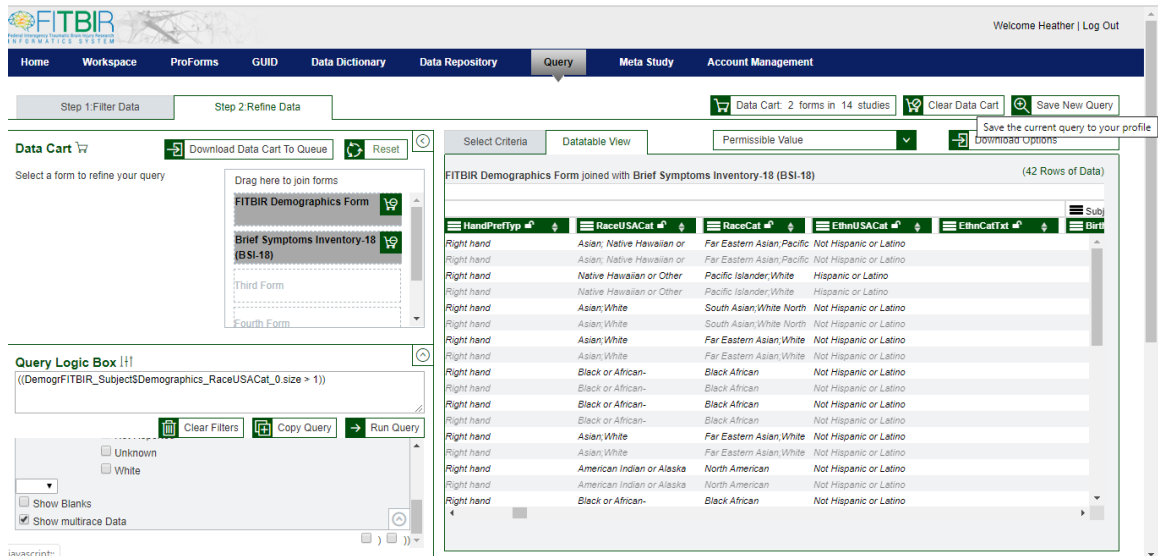
1. Choose the Data Element RaceUSACat to be filtered.
2. In the Query Logic Box, scroll down to the “Show multirace Data” box.
3. Click on the “Show multirace Data” box and then Run Query, and all GUIDs with multiple races will appear.

SECTION 4: SAVE QUERY

Create a Defined Query

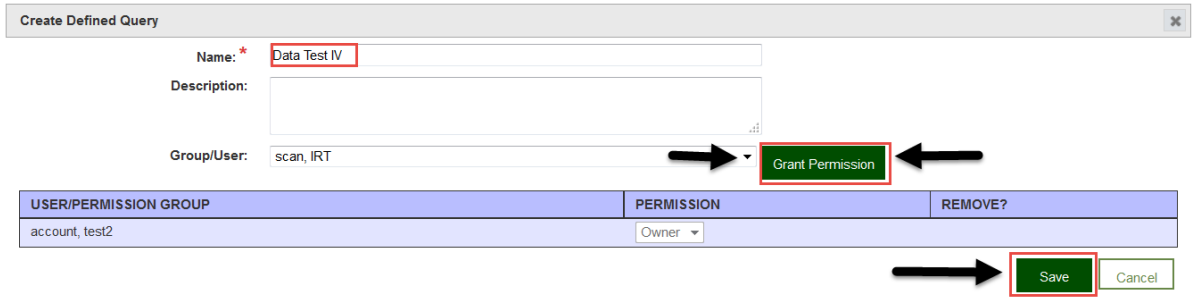
After refining the data using the filter capabilities, users are able to save the query, which can be stored in both Meta Study and Query Tool.

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



The screenshot shows the FITBIR Query interface. At the top, there are navigation tabs: Home, Workspace, ProForms, GUID, Data Dictionary, Data Repository, Query, Meta Study, and Account Management. Below the navigation, there are steps for filtering and refining data. The main area displays a data table titled "FITBIR Demographics Form joined with Brief Symptoms Inventory-18 (BSI-18)" with 42 rows of data. The table has columns for HandPrefTyp, RaceUSACat, RaceCat, EthnUSACat, and EthnCatExt. The data includes various racial and ethnic categories such as "Asian, Native Hawaiian or Other", "Black or African-", "American Indian or Alaska", and "Not Hispanic or Latino".

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 has the following fields and elements:

- Name:** * Data Test IV (highlighted with a red box)
- Description:** (empty text area)
- Group/User:** scan, IRT
- Grant Permission:** A button highlighted with a red box and arrows pointing to it from the left and right.
- Table:**

USER/PERMISSION GROUP	PERMISSION	REMOVE?
account, test2	Owner	
- Save:** A button highlighted with a red box and an arrow pointing to it from the right.
- Cancel:** A button next to the Save button.

3. Once the information has been entered, click on Save.

Save Query to Meta Study

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



The screenshot shows the FITBIR Informatics System interface. At the top, there is a navigation bar with 'Query' selected. Below it, there are tabs for 'Step 1: Filter Data' and 'Step 2: Refine Data'. The 'Data Cart' section on the left shows two forms: 'FITBIR Demographics Form' and 'Brief Symptoms Inventory-18 (BSI-18)'. The 'Query Logic Box' contains the query: ((DemogrFITBIR_SubjectsDemographics_RaceUSACat_0 size > 1)). The main area displays a 'Datatable View' with columns: HandPrefTyp, RaceUSACat, RaceCat, EthnUSACat, EthnCatTxt, and Birth. The table contains 42 rows of demographic data.

2. 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.
 - a. Note: The user should create a Meta Study before saving a Query.

The screenshot shows the 'Send to Meta Study' pop-up dialog box. The dialog box has a title bar 'Send to Meta Study' and a close button. It contains a table with columns 'Meta Study Title' and 'Description'. Below the table are radio buttons for 'Save query filters to meta study:' (Yes/No) and 'Save filtered data file to meta study:' (Yes/No). There are input fields for 'Saved Query Name*', 'Description:', 'Data File Name*', and 'Description*'. 'Save' and 'Cancel' buttons are at the bottom right.



THIS PAGE HEEN LEFT INTENTIONALLY BLANK
