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CHAPTER 7 – QUERY TOOL

he **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 <u>Query Tool</u>: 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

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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 \rightarrow 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.

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ome Workspace ProForms GUID Data Dictionary Data Repository Query	Meta Study Account Management
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Step 1:Filter Data	Data Cart V forms in V stoles
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iter studies by:	Hide Not Available
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12-item Short Form Health Survey - MCMTBI Appendix (1)	Pi: Don Royali; # forms: 4 Pi: Todd Schwedt; # forms: 13
 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)	🕀 ADAPT Sub-study: MRI Markers of Functional Outcome after Severe Pediatric
36-Item Short Form Health Survey (SF-36) version 2 (0)	Traumatic Brain Injury Citicoline Brain Injury Treatment That (COBBIT) Citicoline Brain Injury Treatment That (COBBIT) Pierce Foregraphic Citicoline Brain Injury The Injury Foregraphic Citicoline Brain Injury Foregraphic Citicoline B
30-Item Short Form Health Survey (SF-36) Version 2 (2)	
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Advertised_injuty_dcate_indut_rolleci1(c) Advertised Results Comparised Disabilities (ASCD) (1)	PI: Frederick P Rivara, MD, MPH; # forms: 49
Activities Specific Balance Confidence Scale (ABC-Scale) (2)	PL John Cunger, # Ioms. 9
Acute Assessments (1)	
Acute Concussion Evaluation (ACE) Physicial/Clinician Office Version (1)	
Acute Concussion Evaluation (ACE) Physicial/Clinician Office Version (ACE) - MCMTBI Addendum (1)	Avvanced morphological analysis of cereoral locod how for acuse concussion diagnosis and return-o-play defermination Pi Hittine J Thompsony, forms: 21
ADAPT Death of Subject (1)	PI: Robert Hamilton, PhD; # forms: 4
ADAPT Demographics (1)	
ADAPT Discharge Status (1)	
ADAPT Hourly Meds (MEDS) ICU Day 1 (1)	🕀 An Independent, Prospective, Head to Head Study of the Reliability and Validity of 🙀 🕀 Approaches and Decisions in Acute Pediatric 187. Bit Trial (ADAPT)
ADAPT ICU Stay Medications MEDIC (1)	PL Stephet Wishewski, PHL, # 10ths: 30 PL Stephet Wishews
ADAPT Neurological Exam (2)	
ADAPT PILOT (1)	
ADAPT Pre-Hospital Events (1)	🕀 Automated Comprehensive Evaluation of Mild Traumatic Brain Injury Visual 🙀 🕀 Biomarkers-Driven Development of Experiemental Therapeutics for Traumatic Brain 🙀
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ADAPT Resuscitation Form (RESUS) (1)	1
ADAPT Screening Form (1)	
zrint	



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.

	Welcome Log Out
Home Workspace ProForms GUID Data Dictionary Data Repository Query	Meta Study Account Management
Step 1 Filler Data	🕎 Data Cart. 0 forms in 0 studies) 🔯 Clear Data Cart. 🔍 Save Naw Query
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Search Forms Q Search Reset Search	Search Studies Q search Reset Search Results: (106 Studies) 💥 Display Options
Filter studies by: Reset Filter Or Forms (766 Results) Reset Filter 12-tem Short Form Health Survey - MCMTBI Appendix (1)	A Latent Variable Phenotype for the Dementia Diagnosis and Biomarker Selection in Pri Don Royalt, # forms: 4
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 (A)S) - mod CBG (1) Abbreviated Injury Scale (A)S) - mod CHAI (1)	ADAPT Sub-study. MRI Markers of Functional Outcome after Severe Pediatric Traumatic brain Injury Pit: Peter A Ferrazzano, MD; # forms: 2
Abbreviated_injury_Scale_mod_ProTECT (2) Abstraction of Service Connected Disabilities (ASCD) (1) Activities Specific Balance Confidence Scale (ABC-Scale) (2) Acute Assessments (1)	Addition of Pedatric TBI Data to FTTBIR. Child Heath After Injury (CHAI) study PI: Frederick P Rivara, MD, MPH; # forms: 49 Or Advanced Imaging Acquisition and Data Analysis for a Military TBI Neuroimaging Database at NiCoE PI: John Ollinger; # forms: 9
Acute Concussion Evaluation (ACE) Physicial/Clinician Office Version (1) Acute Concussion Evaluation (ACE) Physicial/Clinician Office Version (ACE) - MCMTBI Addendum (1) ADAPT Death of Subject (1) ADAPT Demographics (1) ADAPT Demographics (1)	Advanced morphological analysis of cerebral blood flow for acute concussion degnosis and return-to-play determination PI: Robert Hamiton, PhD; # forms: 4
ADAPT Housings Used (1) ADAPT Houring Medic (MEDS) (CU Day 1 (1) ADAPT (CU Stay Medications MEDIC (1) ADAPT Neurological Exam (2) ADAPT PILOT (1)	An Independent, Prospective, Head to Head Study of the Reliability and Validity of Neurocognitive Test Batteries for the Assessment of Mild Traumatic Brain Injury Pt: Corinna Lathan; # forms: 13
ADAPT Pre-Hospital Events (1) ADAPT PRISM III (1) ADAPT Resuscitation Form (RESUS) (1) ADAPT Screening Form (1)	Automated Comprehensive Evaluation of Mid Traumatic Brain Injury Visual Dystunction Pi: Jose E Capo-Aponte; # forms: 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.



	Studies	Forms	Data Elements	Defined Queries
Sea	Irch Forms	٩	Reset Search	
lter :	studies by:			
Θ	Forms (786 Results)			Reset Filter
	12-item Short Form He	alth Survey - MCMTBI Appendix	(1)	
	12-item Short Form He	alth Survey Version 2 (SF-12v1)	(1)	
	12-item Short Form He	alth Survey Version 2 (SF-12v2)	(9)	
	36-Item Short Form He	alth Survey (SF-36) version 1 (3)		
	36-Item Short Form He	alth Survey (SF-36) version 2 (0))	
	36-Item Short Form He	alth Survey (SF-36) version 2 (2))	
	Abbreviated Injury Scal	le (AIS) - mod CBG (1)		
	Abbreviated Injury Scal	le (AIS) - mod CHAI (1)		
	Abbreviated_Injury_Sca	ale_mod_ProTECT (2)		
	Abstraction of Service	Connected Disabilities (ASCD) (1	1)	
	Activities Specific Balar	nce Confidence Scale (ABC-Sca	le) (2)	
	Acute Assessments (1)			
	Acute Concussion Eval	luation (ACE) Physicial/Clinician	Office Version (1)	
	Acute Concussion Eval	luation (ACE) Physicial/Clinician	Office Version (ACE) - MCMTBI	Addendum (1)
	ADAPT Death of Subje	ct (1)		
	ADAPT Demographics	(1)		
	ADAPT Discharge Stat	us (1)		
	ADAPT Hourly Meds (N	NEDS) ICU Day 1 (1)		
	ADAPT ICU Stay Medie	cations MEDIC (1)		
	ADAPT Neurological E	xam (2)		
	ADAPT PILOT (1)			
	ADAPT Pre-Hospital Ev	vents (1)		
	ADAPT PRISM III (1)			
	ADAPT Resuscitation F	Form (RESUS) (1)		
	ADAPT Screening Form	n (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.



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

FITBIR	Welcome Heather Log Out
Home Workspace ProForms GUID Data Dictionary Data Repository Query Meta Study	Account Management
Step 1 Filter Data	🙀 Data Cart: 0 forms in 0 studies) 🙀 Clear Data Cart 🔍 Seve New Duery
Studies Forms Data Elements Defined Queries Studies	
SF-12 Q. Search Reset Search Studie	s Q. Search Results: (4 Studies) 🕅 Display Options
Pitter studen by: (1 Ferret Stelector) ● Test "19-12" ● ● Form: 2 Reads) 12-Reads Borrey Version 2 (3F-12/2) (1) ↓ 12-sten Short Form Health Survey Version 2 (3F-12/2) (6) ● A Lone of Version 2 (3F-12/2) (6) ● Standing Version 2 (3F-12/2) (6)	

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

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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.

<pre> FITBIR </pre>	Welcome Heather Log Out
Home Workspace ProForms GUID Data Dictionary Data Repository Query	Meta Study Account Management
Step 1.Filter Data	🕎 Data Cart. 0. forms in: 0. studies) 🔯 Charr Data Cart. 🧕 Save New Osery
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A Magnetic Resonance Imaging Based Classifier to Accurately Diagnose Persistent Post-Traumatic Headactive and to Differentiate it from Chronic Migraine (13) ADAPT Sub-study: MRI Markers of Functional Outcome after Severe Pediatric Traumatic Brain Injury	Constant Form Health Survey (SF-36) version 1
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Addition of Pediatric TBI Data to FTBIR: Child Health After Injury (CH4) study (49) Advanced Imaging Acquisition and Data Analysis for a Military TBI NeuroImaging Database outproc (7)	
Possibility of the second s	Abtriviation_Ipury_Scale_mod_ProTECT Bodies. 2
An independent, "Prospective, Head to Head study of the Headaulty and Validity of Neurocognitive Test Batheries for the Assessment of Mild Traumaris Erain Injury (3) Approaches and Decisions in Acute Pediatric TBI Trial (ADAPT) (36)	
Automated Comprehensive Evaluation of Mid Traumatic Brain Injury Visual Dysfunction (15) Biomarkers-Driven Development of Experimental Therapeutics for Traumatic Brain Injury (CNRM) (15) Biomarkanica Basic of Poeliatific mTRI Due to North Related Convision (17)	Adde Concussion Evaluation (ACE) PhysicialClinician Office Version Studies: 1
Blood Biomarker Profile of TBI-Associated Cognitive Impairment Among Old and Young Veterans (11) Brain injury and mechanisms of action of hyperbaric oxygen for persistent post-concussive symptoms	# studes: 1 # studes: 1 ** studes: 1
amer mice traumatic crean migry (sitiku), (s) Bright Upth Thrangy for Transmont of Siseo Problems Following Mild TBI (38) CENC Study 08: Otollih Dystunction and Postural Stability (26)	ADAPT Houring Matic (NEDS) ICU Day 1 studies: 1
CENC Study 1: Observational Study on Late Neurologic Effects of OEF/OIF/OND Combat (91) CENC Study 20: Novel White Matter Imaging to Improve Disposis of Mild TBI (31) CENC OH 21: Study 20: Annual A	ADAPT ICU Stay Medications MEDIC Subdet: 1 Subdet: 1
Cent. Solid 25 needsolime on Sey and solutions of BBalty in Active adv military Prospectively commend biolong concursive To The ACAPPT Biology Center of the ACAPPT Biology Center of the ACAPPT Biology of Veterans Exposed to Primary Blast Forces (31) v	Orbury PLOT # studes: 1 O

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

		Welcome Heather Log Out
Home Workspace ProForms GUID Da	ta Dictionary Data Repository Query	Meta Study Account Management
Step 1:Filter Data	•	Data Cart: 0 forms in 0 studies 😵 Clear Data Cart 🔍 Save New Query
Step 1F-Her Uata Studies Forms Data Elements Traumatic Brain Injury Data for FITBIR Q. Search Reset Filter forms by: (1 Studies Selecter) (1 Studies Selecter) Other Selecter (2 Studies Selecter) (2 Studies Selecter) Studies Filter Injury Data for FITBIR Informatics system: Market Pacin Injury Data for FITBIR Informatics system: Market Pacino Dataset (4)	Defined Queries Forms Search Search Forms Maryland	Q Search Results: (4 Forms) Display Options rm W Imaging CT # studies: 8 W W Imaging MR # studies: 30 W

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

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Home Workspace	ProForms	GUID	Data Dictionary	Data	Repository	Query	Meta Study	Account Ma	nagement		
Step 1:Filter Data								况 Data	Cart: 0 forms in 0 studies 🕅 🌾	Clear Data Cart 🗨 Save	New Query
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Magner S Dataset -	-WIRT TEL SUBSEL(0)			Trail Making # studies: 30	i Test (TMT) D		K	Wechsler Abbreviated Sca Edition (WASI-II) - Matrix F # studies: 2	e of Intelligence - Second leasoning	<i>P</i>
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				-							

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

III. Filter Forms: Data Elements

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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.

Common Data Element	÷ .	Title Variable Name	Тур
Unique Data Element	-		\$
		Abbreviated injury scale body region category AbbrevinjryScalBodyRgnCat	CDI
sease		Activities specific Balance Confidence Scale (ABC-Scale) - icy sidewalk scale ABCScaleBincCnfdncelcySdwlkScl	CD
Amyotrophic Lateral Sclerosis	^	Activities specific Balance Confidence Scale (ABC-Scale) - walk stairs scale ABCScaleBlncCnfdnceWlkStairScl	CDI
Epilepsy		Activities specific Balance Confidence Scale (ABC-Scale) - body collision scale ABCScaleBodyCollisonScale	CDI
Friedreich's Ataxia		Activities specific Balance Confidence Scale (ABC-Scale) - walk to car scale ABCScaleCfdnceWlkCarScale	CDI
General (For all diseases)		Activities specific Balance Confidence Scale (ABC-Scale) - chair stand scale ABCScaleCnfdnceChairStndScale	CD
Huntington's Disease		Activities specific Balance Confidence Scale (ABC-Scale) - crowd scale ABCScaleCnfdnceCrwdScale	CD
Multiple Sclerosis		Activities specific Balance Confidence Scale (ABC-Scale) - escalator use scale ABCScaleCnfdnceEscalatorScale	CD
Myasthenia Gravis		Activities specific Balance Confidence Scale (ABC-Scale) - escalator parcel use scale ABCScaleCnfdnceEscltrPrcUseScl	CD
Neuromuscular Diseases		Activities specific Balance Confidence Scale (ABC-Scale) - across parking lot scale ABCScaleCnfdnceParkingLotScale	CD
Parkinson's Disease		Activities specific Balance Confidence Scale (ABC-Scale) - ramp scale ABCScaleCnfdnceRampScale	CD
Spinal Cord Injury	-	Activities specific Balance Confidence Scale (ABC-Scale) - sweep scale ABCScaleCnfdnceSweepScale	CD
		Activities specific Balance Confidence Scale (ABC-Scale) - bend to floor scale ABCScaleCnfidnceStairsScale	CD
pulation		Activities specific Balance Confidence Scale (ABC-Scale) - enter exit car scale ABCScaleEntrExitCarScale	CD
Adult	^	Activities specific Balance Confidence Scale (ABC-Scale) - reach scale ABCScaleReachScale	CD
Adult and Pediatric	Sho	wing 1 to 15 of 16,559 entries First Previous 1 2 3 4 5 Net	xt Las

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	✓ ABCScaleE	BincCnf	ncelcySdwikScl Q Search Whole Word or	r Phrase
lement Type				
Common Data Element			Title	Variable Name Ty
Unique Data Element	-		¥	V V
			Activities specific Balance Confidence Scale (ABC-Scale) - icy sidewalk scale	ABCScaleBincCnfdncelcySdwlkScl CDI
lisease		Sho	ving 1 to 1 of 1 entries	First Previous 1 Next Las
Amyotrophic Lateral Sclerosis	A			
Epilepsy				
Friedreich's Ataxia				
General (For all diseases)				
Headache				
Huntington's Disease				
Multiple Sclerosis				
Myasthenia Gravis				
Neuromuscular Diseases Derkingen's Diseases				
Spinal Cord Injuny				
Spinal Muscular Atrophy	-			
opulation				
Adult				
Adult and Pediatric				
Pediatric				
Preclinical	~			

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

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lement Type	13			
Common Data Element			Title Variable Name	Typ
Unique Data Element			Abbreviated injury scale body region category Abbreviaty/ScaliFody/RonCat	CDF
			Activities specific Balance Confidence Scale (ABC-Scale) - icy sidewalk scale ABCScaleEincCnfdnoeicySdwkSci	CDF
Anyotrophic Lateral Scierosis	1.4		Activities specific Balance Confidence Scale (ABC-Scale) - walk stairs scale ABCScaleBincCntdnorWidStarSci	CDC
C Eplepty			Activities specific Balance Confidence Scale (ABC-Scale) - body collision scale ABCScaleBodyCollisonScale	CDE
Friedreich's Ataria			Activities specific Balance Confidence Scale (ABC-Scale) - walk to car scale ABCScaleCtdnoel/VkCarScale	CDF
General (For all diseases)			Activities specific Balance Confidence Scale (ABC-Scale) - chair stand scale ABCScaleCn/dnceChairStndScale	COP
Huntington's Disease			Activities specific Balance Confidence Scale (ABC-Scale) - crowd scale ABCScaleCnfdnceCnvdScale	CDE
Multiple Scierosis			Activities specific Balance Confidence Scale (ABC-Scale) - escalator use scale ABCScaleCrittroeEscalatorScale	CDE
Myasthenia Gravis			Activities specific Balance Confidence Scale (ABC-Scale) - escalator parcel use scale ABCScaleCnfthceEsctiProUseSci	CDF
Neuromuscular Diseases Patimizer's Disease		•	Activities specific Balance Confidence Scale (ABC-Scale) - across parking lot scale ABCScaleCriftnceParkingLotScale	CDE
Parkinson's Disease Several Configuration			Activities specific Balance Confidence Scale (ABC-Scale) - ramp scale ABCScaleCnfdnceRampScale	CDE
Spinal Coro Injury Spinal Muscular Absphy	-		Activities specific Balance Confidence Scale (ABC-Scale) - sweep scale ABCScaleCriftnoeSweepScale	CDE
			Activities specific Balance Confidence Scale (ABC-Scale) - bend to floor scale ABCScaleCnfidnceStairsScale	COR
opulation			Activities specific Balance Confidence Scale (ABC-Scale) - enter exit car scale ABCScaleEntrExitCarScale	CDE
U Adut			Activities specific Balance Confidence Scale (ABC-Scale) - reach scale ABCScaleReachScale	CDE
Adult and Pediatric Pediatric		Sho	ving 1 to 15 of 16,559 entries First Previous 1 2 3 4 5 Ner	t Last
Precipical	1.4			

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

				Wek	come Heather Log Out
Home Workspace ProForms GUID Da	ata Dictionary D	Data Repository	Query Meta Study	Account Management	
Step 1:Filter Data			•	Data Cart: 0 forms in 0 studies 😵 Clear Data Cart	Save New Query
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Data Elements (2 Results) Activities specific Balance Confidence Scale (ABC-Scale) - icy sidewalk scale (1)	У 🄺	+ 12-item Shor # studies: 1	t Form Health Survey - MCMTBI App	pendix	-12v1)
Glasgow Coma Scale (GCS) - Confounders type (2)		+ 12-item Shor # studies: 9	t Form Health Survey Version 2 (SF-	-12v2) (+ 36-Item Short Form Health Survey (SF-36) versi # studies: 3	on 1 译
		+ 36-Item Shor # studies: 0	t Form Health Survey (SF-36) versio	36-Item Short Form Health Survey (SF-36) versi # studies: 2	on 2
		+ Abbreviated # studies: 1	njury Scale (AIS) - mod CBG	Abbreviated Injury Scale (AIS) - mod CHAI # studies: 1	Ъ
		Abbreviated_ # studies: 2	Injury_Scale_mod_ProTECT	Image: Head of the service	SCD)
		Activities Spe Scale) # studies: 2	ecific Balance Confidence Scale (AB	IC-	Å
	*			Acute Concussion Evaluation (ACE) Physicial/C Office Version	inician 🖉 🗸

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





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

		Welcome Heather Log Out
Home Workspace ProForms GUID Data	Dictionary Data Repository Query	Meta Study Account Management
Home Workspace ProForms GUID Data Step 1. Filter Data	Dictionary Data Repository Query N Defined Queries Search Forms V id using Results: (2 Forms) V	Meta Study Account Management Image: Data Cart: 0 forms in 0 studies Image: Clear Data Cart Image: Save New Query Q Search Reset Search Image: Clear Data Cart Image: Clear Data Cart
Glasgow Coma Scale (GCS) - Confounders type (2)	Adding Legacy Clinical Data 😰 to the Federal Interag	Development and Validation Cerebral Vascular Dys of the Virtual Environm Cerebral Vascular Dys Hyperbaric Coxyene Brain Inj Managing Severe TB livithoul Mission Connect Nild TBI R NRI Concussion Score esearch Consortium NRI Concussion Score Phase 2 Pediatrix Autologou Treatment of Adult Severe Tri s BMMNC for Severe TBI Treatment of Adult Severe Tri

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.

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- 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.

	R	ang a										Welcome He	ather Log O	Dut
Home W	orkspace P	roForms	GUID	Data Dictionary	Data	Repository	Query	Meta Study	Account Man	agement				
Step 1:	Filter Data	Step	2:Refine Data				•		Data C	Cart: 6 forms in 2 st	udies 🙀	Clear Data Cart 🛛 💽 Sav	re New Query	v
Studies	Form	S	Data Elements	Defined Queri	es	Studies								
📽 Edit Query						Search Studies		Q 56	arch	et Search Results:	(2 Studies)	Display Op	tions	
 Defined C capitol 	Queries (114 Resi	ilts)			^	Transforming Traumatic Br PI: Geoffrey	Research and C ain Injury (TRAC Manley, MD, PhD	linical Knowledge in K-TBI) Pilot); # forms: 26	19	Traumatic Brain system: Maryla PI: Rao Gullapa	n Injury Data f nd MagNeTS alli, PhD, MBA	or FITBIR Informatics Prospective Dataset V; # forms: 23	M	*
 Capitols CARE varia 	ables					BSI18	及	DemogrFITBIR	14	ANAMCodeSubDe	layed 🏠	ANAMCodeSubLearning	₩	
CHAI						FIM	14	GOSE_Standard	19	ANAMMatchToSan	nple Mar	ANAMMathProcessing	¥\$	
 Days since 	Baseline 125 to 1	50				ImagingCT	Кð	ImagingDiffusion	Å	ANAMProcReactTi	me 🌾	ANAMSimpleReactTime	18	
DEMO BL	CVLT BDI2					ImagingMR	Ŕ	GOSE_Peds	19	ANAMSimpleRead	tTime2nd \⊕	DRS_TBI_FITBIR	12	
 Disparities Children ar 	in Disability After 1 1d Adolescents	raumatic Bra	iin Injury Among	Hispanic		PCLC_Standard	he	Rivermead	1.0	DemogrFITBIR	ŀθ	GOSE_Standard	1:0	
Donald Wu Epilopey S	nsch	PILOT					H		H		H	_	H	
 Epilepsy.3 Forms to d 	ownload, research	FILOT				SWLS_CDISC_I	FITBIR	TRACKTBI_InjuryH	ix ไ∄	HeadacheQuest_G	iullapalli 🧏	HeadacheScreen_Gullapa	₩ \ ₽	
⊜ g2						TRACKTBI_AIS	肾	TRACKTBI_Baselin	neAssmn 🅁	ImagingDiffusion	19	ImagingMR	12	
GCS QUE	۹Y				*	TRACKTBI_ICU	19	TRACKTBI_ICP	¥	InitialAssess_Gulla	palli 🏠	MACE_FITBIR	¥9	•

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

FITBIR					Welcome Heather Log Ou	rt
Home Workspace Pr	roForms GUID	Data Dictionary	Data Repository	Query Meta Study	Account Management	
Step 1:Filter Data	Step 2:Refine Data	a		•	🔁 Data Cart: 1 forms in 13 studies 🔯 Clear Data Cart 🛛 🔍 Save New Query]
Data Cart 🖓 💽 Select a form to refine your query FITBIR Demographics Form	Download Data Cart To Drag here to First Form Second Form Third Form Fourth Form Clear Filters Cop	Queue) in forms y Query → Run Qu	Select Criteria	Datatable View	Permissible Value	

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.

								Welcome Heather
ome Workspace ProF	orms GUID	Data Dictionary	Data Rep	sitory Que	ery Meta Stu	dy Account Ma	anagement	
Oteo 1: Filter Date	Step 2: Define Def			•		Data	Cart: 1 forms in 13 studies	Clear Data Cart 🖉 Save New
Step 1. Filter Data	Step 2.Reline Dat	d				H Data		
ata Cart 🖂 🔤	ownload Data Cart To		10 :	elect Criteria	Datatable View	Permissi	ble Value 🗸	-> Download Options
	Jownidad Data Cart To	Calene Viceser			1			
lect a form to refine your query	Drag here to	ioin forms	FITE	IR Demographics F	orm			(121185 Rows of I
BIR Demographics Form	?		Form	s:		DemogrFITBIR		
	First Form		Repe	atable Groups:		Main Group	4	+
			Stud	/ID∎° ¢	Dataset 🛋 🖕	GUID 🗗 🖕	🚍 SubjectIDNum 🛋 🖕 🚍 A	geYrs 🛋 🍦 📃 VisitDate 🖬
	Record Form		411		FITBIR-DATA0006969	TBIFK329NU3	20	2015-09-29700:00
	Second Point		411		FITBIR-DATA0006969	TBITH366VVM	21	2015-09-29T00:00
			411		FITBIR-DATA0006969	TBIND211KCH	19	2015-09-29700:00
	Third Form		411		FITBIR-DATA0006969	TBIVE673RLV	19	2015-09-29700:00
			411		FITBIR-DATA0006969	TBILP305DR9	22	2015-09-28700:00
			+ 411		FITBIR-DATA0006969	TBIGL865PXN	21	2015-09-28700:00
	Fourth Form		411		FITBIR-DATA0006969	TBIYJ094FYX	20	2015-09-28700:00
			411		FITBIR-DATA0006969	TBIPG999YBG	19	2015-09-29700:00
erv Logic Box 👫			(2) 411		FITBIR-DATA0006969	TBIHE664PJJ	21	2015-09-29700:00
			411		FITBIR-DATA0006969	TBICD114DJV	18	2015-09-29700:00
			411		FITBIR-DATA0006969	TBIEV325BTX	22	2015-09-29T00:00
			411		FITBIR-DATA0006969	TBIKX514FM0	21	2015-09-28700:00
			411		FITBIR-DATA0006969	TBICL622TUF	20	2015-09-28700:00
	ear Filters 🛛 🕕 Cop	oy Query 🔁 🔿 Run Qu	ery <u>310</u>		FITBIR-DATA0006237	TBIPC304YL7	21	2016-05-18700:00
			310		FITBIR-DATA0006237	TBIMP797FCN	19	2016-05-18T00:00
			310		FITBIR-DATA0006237	TBIVM853GE3	21	2016-05-18700:00
			310		FITBIR-DATA0006237	TBIAP705VBH	19	2016-05-18700:00
			310		FITBIR-DATA0006237	TBIUM437MZF	20	2016-05-18700:00
			310		FITBIR-DATA0006237	TBICW442VY3	19	2016-05-18700:00
			4					

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:

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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.

	RIC										Welcome Heather Log
lome Workspace F	roForms	GUID	Data Dictionary	Dat	ta Repository	Query	Meta Stu	ıdy	Account Management		
Step 1:Filter Data	Step	2:Refine Data				•			Data Cart: 1 forms in 13 stud	dies 👷 Cl	ear Data Cart 🗨 Save New Qu
ata Cart 🛱 📕	Download	Data Cart To Qu	Jeue 💦 Reset	0	Select Criteria	Datata	ble View		Permissible Value	~	Download Options
lect a form to refine your query	١	Drag here to joir	1 forms		FITBIR Demograpi Forms:	iics Form		Demo	Permissible Value Permissible Value Description FI Output Code/Permissible Value		(121185 Rows of Data
		Second Form		L	Repeatable Groups: Study ID	Dataset FITBIR	DATA0006969	TBIFH	in Output Code	¢ ∎= ge	Yrs = ♀
		Third Form			411 411	FITBIR	DATA0006969	TBIND	211KCH 5738/ V	21 19	2015-09-29100:00:0 2015-09-29100:00:0 2015-09-29100:00:0
		Fourth Form		+	411 411 411	FITBIR FITBIR	DATA0006969 DATA0006969 DATA0006969	TBILP3 TBIGL8	805DR9 865PXN	22 21	2015-09-28100.00.0 2015-09-28100.00.0 2015-09-28100.00.0
uanul aria Pay lit		ourur romi		0	<u>411</u> <u>411</u> 411	FITBIR FITBIR FITBIR	DATA0006969 DATA0006969 DATA0006969	TBIYJO TBIPGS TBIHE6	194FYX 999YBG 664PJJ	20 19 21	2015-09-28700:00:0 2015-09-29700:00:0 2015-09-29700:00:0
					411 411	FITBIR FITBIR	DATA0006969 DATA0006969	TBICD: TBIEV3	114DJV 325BTX	18 22	2015-09-29700:00.0 2015-09-29700:00:0
間	Clear Filters	s 👍 Copy (Query → Run Qu	// ery	411 411 310	FITBIR FITBIR FITBIR	DATA0006969 DATA0006969 DATA0006237	TBIKX5 TBICL6 TBIPC3	514FM0 522TUF 304YL7	21 20 21	2015-09-28700:00:0 2015-09-28700:00:0 2016-05-18700:00:0
					<u>310</u> 310	FITBIR FITBIR	DATA0006237 DATA0006237	TBIMP TBIVM	797FCN 853GE3	19 21	2016-05-18700:00.0 2016-05-18700:00.0
					310 310 310	FITBIR FITBIR FITBIR	DATA0006237 DATA0006237 DATA0006237	TBIAPT TBIUM TBICW	705VBH 437MZF 1442VY3	19 20 19	2016-05-18T00:00:0 2016-05-18T00:00:0 2016-05-18T00:00:0

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.

ome Workspace	ProForms	GUID	Data Dictionary	Data	Repository	Query	Meta St	udy A	Account Management			
Step 1:Filter Data	Ste	ep 2:Refine Data							Data Cart: 1 forms in 13	3 studies 🕼 C	lear Data Cart	Save New Qu
ta Cart 🛱	-> Downloa	ad Data Cart To Qu	ueue 🔀 Reset	0	Select Criteria	Datata	able View		Permissible Value	×	-> Downlo	ad Options
ect a form to refine your quer	, í				EITBIR Demograph	ics Form					(121185 Rows of Dat
BIR Demographics Form	10	Drag here to joir	n torms		Forms			DemogrEl	TRIP			
	NY	Eirst Form		-	Descentable Comme				0			
					Study ID =0	A Datas	+ - 0 · ·		Group		Vra d A	VisitData P
					study it? =	Uatase		Hide Co				
		Second Form			411	FITBIE	-DATA0006969	Go to De	atails Page	20		2015-09-29700:00:0
					411	CITOR	-DATA0006969	Annly Fi	ilter	21		2015-09-29100.00.0
		Third Form			411	EITEIE	DATADODE969	Knowled	ige Graph	19		2015-09-29100.00.0
		initia i oniti			411	EITEIE	DATADODESES	TR/I 0205	080	13		2015-09-29100.00.0
					411	FITBIE		TBIGL 865	EXN SPXN	21		2015-09-28700-00-0
		Fourth Form		*	411	FITBIE	DATA0006969	TBIX.094	FYX	20		2015-09-28700-00-0
				_	411	FITBIE	DATA0006969	TBIPG999	AX8G	19		2015-09-29700:00:0
ny Logio Roy III				\odot	411	FITBIF	-DATA0006969	TBIHE664	1PJJ	21		2015-09-29700:00:0
ery Logic Box III					411	FITBIE	-DATA0006969	TBICD114	DJV	18		2015-09-29700:00:0
					411	FITBIE	-DATA0006969	TBIEV325	16TX	22		2015-09-29700:00:0
					411	FITBIE	-DATA0006969	TBIKX514	IFM0	21		2015-09-28700:00:0
					411	FITBIF	-DATA0006969	TBICL622	TUF	20		2015-09-28700:00:0
	Clear Filte	ers 📑 Copy 🤇	Query 🔿 Run Qu	iery	310	FITBIE	-DATA0006237	TBIPC304	4YL7	21		2016-05-18T00:00:0
					310	FITBIF	-DATA0006237	TBIMP791	7FCN	19		2016-05-18700:00:0
					310	FITBIF	-DATA0006237	TBIVM853	3GE3	21		2016-05-18700:00:0
					310	FITBIF	-DATA0006237	TBIAP705	SVBH	19		2016-05-18700:00:0
					310	FITBIF	-DATA0006237	TBIUM43	7MZF	20		2016-05-18700:00:0
					310	FITBIF	-DATA0006237	TBICW44	2VY3	19		2016-05-18T00:00:0

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.

EITE	BIR										Welcome Heathe	er Log Out
Home N	Workspace	ProForms	GUID	Data Dictionary	Data R	tepository	Query	Meta St	udy	Account Management		
Step	1:Filter Data	Ste	p 2:Refine Dat	a						Data Cart: 2 forms in 14 studies	🕼 Clear Data Cart 🛛 🗨 Save N	ew Query
Data Cart 🦙	7	-> Download	d Data Cart To	Queue 🕟 Reset	0	Select Criteria	Datat	able View		Permissible Value	- Download Options	
Select a form to) refine your query	/	Drag here to FITBIR Dem	join forms ographics Form		FITBIR Den Ain Group	ographics I	Form			Hide All Blank Colu Show All/Hide in Datatable	
			Brief Sympto (BSI-18)	oms Inventory-18 🙀		Form Admi Subject De	nistration mographics					
			Third Form			Subject Co Subject La	untry of Birth	and Current R	esidency			
		L	Fourth Form			Gubject Ear Subject Ma	rital Status					
Query Logic	Box Iti				-1-	Subject Liv Subject Ear	ng Situation					
		Dear Filte	re 🕞 Cor			 Subject Fd Subject Ed 	ucation					
		Citear i lite		- Run du	,,,	Subject Oc	cupation and	Employment				
						Parent Gua	rdian or Car	egiver Informati	on			
						Subject Mil Subject Inv	tary status	Sports				
					e	Brief Symp	oms Invent	ory-18 (BSI-18)		Show All/Hide in Datatable	· • •

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

Home	Workspace	ProForms	GUID	Data Dictionary	Dat	a Repository	Query	Meta Stud	y Account Ma	nagement		
St	ep 1:Filter Data	Ste	ep 2:Refine Data				•		Data C	art: 2 forms in 14 studies	S V Clear Data Cart 🗨 Save	New Qu
Data Carl	R	-> Downloa	id Data Cart To C	Queue 🏠 Reset	0	Select Criteria	Datata	ble View	Permissib	le Value	➤ Download Options	
elect a forr	n to refine your quer	y	Drag here to in	in forms		FITBIR Demograph	nics Form joi	ined with Brief Sy	mptoms Inventory-1	8 (BSI-18)	(191219 Rows	s of Data
						Forms:	DemogrF	ITBIR				
			FITBIR Demog	graphics Form	^	Repeatable Groups:				Main Group		
						guid 🖬 💧	Study ID	- ₽ - - -	Dataset 🗗 💧	GUID 🗗 💧 🚍	SubjectiDNum 🛋 🍐 🗮 AgeYrs 🛛	• ÷
			Brief Symptor	ns Inventory-18 😥		TRIAW643NZR	310	, i i	EITBIR-DATA0006239	TBIAW643NZR	21	
			(BSI-18)			TBIAW643NZR	310		EITBIR-DATA0006239	TBIAW643NZR	21	
						TBIAW643NZR	411		FITBIR-DATA0006969	TBIAW643NZR	21	
			Third Form			TBIAW643NZR	411		FITBIR-DATA0006969	TBIAW643NZR	21	
						TBIAW643NZR	411		FITBIR-DATA0006969	TBIAW643NZR	21	
					-	TBIAW643NZR	411		FITBIR-DATA0006969	TBIAW643NZR	21	
		L	Fourth Form			TBIWU565EZJ	310		FITBIR-DATA0006237	TBIWU565EZJ	21	
						TBIWU565EZJ	<u>310</u>		FITBIR-DATA0006237	TBIWU565EZJ	21	
uery I o	nic Box H				\odot	TBIWU565EZJ	<u>411</u>		FITBIR-DATA0006969	TBIWU565EZJ	21	
ucry Lo	gio Dox III					TBIWU565EZJ	411		FITBIR-DATA0006969	TBIWU565EZJ	21	
						TBIWU565EZJ	<u>411</u>		FITBIR-DATA0006969	TBIWU565EZJ	21	
						TBIWU565EZJ	411		FITBIR-DATA0006969	TBIWU565EZJ	21	
						TBI_INVXE499TN0	<u>405</u>		FITBIR-DATA0006961	TBI_INVXE499TN0	16	
		Clear Filte	ers 🖽 Copy	Query -> Run Q	uery	TBI_INVJP092WEB	405		FITBIR-DATA0006961	TBI_INVJP092WEB	92	
						TBIUL576TRK	<u>310</u>		FITBIR-DATA0006235	TBIUL576TRK	18	
						TBIUL576TRK	411		FITBIR-DATA0006969	TBIUL576TRK	18	
						TBIUL576TRK	<u>411</u>		FITBIR-DATA0006969	TBIUL576TRK	18	
						TBI_INVAB872EMT	<u>405</u>		FITBIR-DATA0006961	TBI_INVAB872EMT	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).

3. 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.

FITBIR								W	elcome Heather	r Log Ou
Home Workspace F	ProForms GUI	ID Data Dictionary	Data Repository	Query Met	ta Study	Account Manage	ement			
Step 1:Filter Data	Step 2:Refin	ne Data		•		Data Cart:	2 forms in 14 studie	es 🛛 🙀 Clear Data Cart	Save Ne	w Query
Data Cart 🛱	Download Data C	art To Queue 🔀 Reset	Select Criteria	Datatable View	Brief Sympto	Permissible V	alue ISI-18)	Download t Send to Me	oad Options o Queue ta Study	
	FITBIR Brief S (BSI-18 Third Fo	Demographics Form 99 ymptoms Inventory-18 199) orm	 ■ Poins. ■ Repeatable Groups: ■ Glub ■ Poins. ■ TBIAW643NZR 	Study ID =* 310 411 411 411 411 310	♦ Datas FITBII FITBII FITBII FITBII FITBII FITBII FITBII	Let 2 4	Main Group GUID GUID GUID	View Down	AgeYrs Image: Control of the second sec	*
ìuery Logic Box ∐1	Clear Filters	Copy Query 🔿 Run Qu	TBM/J6652J TBM/J6652J TBM/J6652J TBM/J6652J TBM/J6652J TBM/J6652J TBM/J6652J TBJ/N5652J TBJ/N565767K TBJ/N56767K TBJ/N56776K TBJ/N6872BHT TBJ/S16777K TBJ/S16777K TBJ/S16777K	310 411 411 411 405 405 405 405 411 411 411 411 411 411 310	FITBI FITBI FITBI FITBI FITBI FITBI FITBI FITBI FITBI	IR-DATA0006237 TH IR-DATA0006969 TH IR-DATA0006969 TH IR-DATA0006969 TH IR-DATA0006969 TH IR-DATA0006969 TH IR-DATA0006961 TH	BIWU565EZJ BIWU565EZJ BIWU565EZJ BIWU565EZJ BIU15765EZJ BIU1576TRK BIU1576TRK BIU1576TRK BIU1576TRK BIU1576TRK BIU1576TRK		21 21 21 21 21 16 92 18 18 18 35 20	•

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

Welcome Heather Log Out									
Home Workspace ProForms GUID Data Dictionary	Data Repository	Query Meta Study	Account Management						
Step 1:Filter Data Step 2:Refine Data		•	Data Cart: 2 forms in 14 studies	Clear Da	ata Cart 🛛 🗨 Save New Query				
lata Cart 🗟 🦻 Download Data Cart To Queue	Select Criter	a Datatable View	Permissible Value	 ✓ 	Download Options				
elect a form to refine your query Drag here to join forms		emographics Form		Sho	w All/Hide in Datatable				
FITBIR Demographics Form	😑 Main Gr	pup							
Brief Symptoms Inventory-18	Data element	name		Filter	Show in datatable				
(BSI-18)	GUID 🛈			T					
Third Form	Subject identi	fier number ①		T					
	Age in years	D		T					
Fourth Form	Visit date (1)			T					
Query Logic Box III	Site name			T					
	Days since ba	aseline 🕕		T					
	Case control	ndicator ①		T					
Clear Filters I Copy Query → Run Query	General note:	s text ()		T					
geYrs	Form Ad	ministration							
•	Data element	name		Filter	Show in datatable				
150	Context type	0		Y					
Show Blanks	Context type	other text ①		Y	0 -				

b. In the Datatable View, click on the hamburger menu for a Data Element and click on "Apply Filter."

									Welcome Heather Log Out
Home Workspace	ProForms	GUID (Data Dictionary	Data Repositor	y Que	ry Met	a Study	Account Management	
Step 1:Filter Data	Step	p 2:Refine Data			•			Data Cart: 2 forms in 14 studies	Clear Data Cart O Save New Query
Data Cart 🛱	-> Download	d Data Cart To Que	eue 🕟 Reset	Select	t Criteria	Datatable View		Permissible Value	Download Options
Select a form to refine your qu	ery	Drag here to join 1 FITBIR Demogra Brief Symptoms (BSI-18) Third Form Fourth Form	forms phics Form မှာ Inventory-18 မှာ	FITBIR De	emographics Fo	orm joined with E	Brief Sympto	scoret	(188429 Rows of Data)
Query Logic Box III	Clear Filter	rs 💽 Copy Qu	uery → Run Q	Image: 1 Image: 1				3 5 8 10 7 4 3 5 8 10	

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

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2. Once the Data Elements have been added to the Query Logic, the Boolean capabilities can be applied.

									Welcome Heather Log Out
Home Workspace	ProForms	GUID	Data Dictionary	Data	a Repository	Query	Meta Study	Account Management	
Step 1:Filter Data	Step	0 2:Refine Dat	a			•		Data Cart: 2 forms in 14 studies	Clear Data Cart 🛛 🕄 Save New Query
Data Cart 🛱		I Data Cart To	Queue 🏠 Reset	0	Select Criteria	Datat	able View	Permissible Value	Download Options
Query Logic Box III (I (DemopriTBIR, MansGou DemopriTBIR, MansGou (Bisita, FormisCompletion, B Sita, FormisCompletion, B Sita, FormisCompletion, B (I (FITBIR, Demographics, Form AgeYrs NOT 0 19 19 19 19 19 19 19 19 19 19 19 19 19	AND V (BSI-18) (BSI-18) (BSI-18) (BSI-18)	0 AND 188 188 198 199 199 199 199 199	Luery → Run Ouery		FITBIR Demograp BS1(8Am) 0 4 4 4 3 2 2 1 1 2 5 3 2 1 1 2 5 4 4 4 4 4 4 4 4 4 5 5 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5	scoreRaw 🕈	♦ BSH8An	toms Inventory-18 (ISSI-18) xScoreT	(188429 Rows of Data)

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

Data Type	Requirement Type	Boolean Logic
Alphanumeric	 Single Predefined Multi- Defined Free Form 	OR, NOT and AND
Numeric	 Single Predefined Multi- Defined Free-From 	OR, NOT and AND • 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

BiosampleFree FormOR, NOT and
ANDTri-PlanarFree FormOR, 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.

<u>MultiRace</u>

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.

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	PARA .						Welcome Heather Log Ou
Home Workspace ProFe	orms GUID	Data Dictionary	Data Repository	Query Meta Study	Account Managemen	t	
Sten 1:Filter Data	Sten 2 Refine Data			¥	Data Cart: 2 fo	ms in 14 studies	Clear Data Cart 😧 Save New Query
						•	Save the current query to you
ata Cart 🛱 🚽 🗗	ownload Data Cart To C	ueue 🕞 Reset	Select Criteria	Datatable View	Permissible Value	~	Download Options
elect a form to refine your query	Dura harra ta ia	- 4	FITBIR Demograp	hics Form joined with Brief Sv	mptoms Inventory-18 (BSI-1)	0	(42 Rows of Data)
	Drag here to jo	in torms					
	FITBIR Demog	raphics Form					Subi
			HandPrefTyp	🕈 👌 🗮 RaceUSACat 🚽	♦ RaceCat = ♦	🗮 EthnUSACat 🛋 🖕	EthnCatTxt = ♦ Birti
	Brief Sympton	ns Inventory-18 🦉	Right hand	Asian; Native Hawaiiar	or Far Eastern Asian;Pacific	Not Hispanic or Latino	*
	(BSI-18)		Right hand	Asian; Native Hawaiiar	or Far Eastern Asian;Pacific	Not Hispanic or Latino	
			Right hand	Native Hawaiian or Oth	er Pacific Islander;White	Hispanic or Latino	
	Third Form		Right hand	Native Hawaiian or Oth	er Pacific Islander;White	Hispanic or Latino	
			Right hand	Asian;White	South Asian; White North	Not Hispanic or Latino	
	Fourth Form		▼ Right hand	Asian; White	South Asian;White North	Not Hispanic or Latino	
			Right hand	Asian;White	Far Eastern Asian;White	Not Hispanic or Latino	
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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.

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

Save Query to Meta Study

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

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- 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.

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