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Chapter
11

Data Download Tool



CHAPTER 11 – DATA DOWNLOAD TOOL

The **Download Tool** is available within the **Data Repository** module. The [Data Repository](#) users can download selected datasets from the **Data Repository** or from the **Query Tool** to their computer. The **Download Tool** is currently available to users in a **JavaScript** version that will launch within the website.

11.1 MODULE INPUT AND OUTPUT

Module Input

- ❖ Data selected through the **Data Repository** and/or the **Query Tool** modules.

Module Output

- ❖ Data downloaded to your computer.

11.2 RUNNING THE DATA DOWNLOAD TOOL

To run the **Download Tool**:

- ❖ First, **create and populate the Download Queue** with datasets to download.
- ❖ Then, run the **Download Tool** to download the datasets from the **Download Queue**. See **Download Queue** below:

11.2.1 Adding to the Download Queue

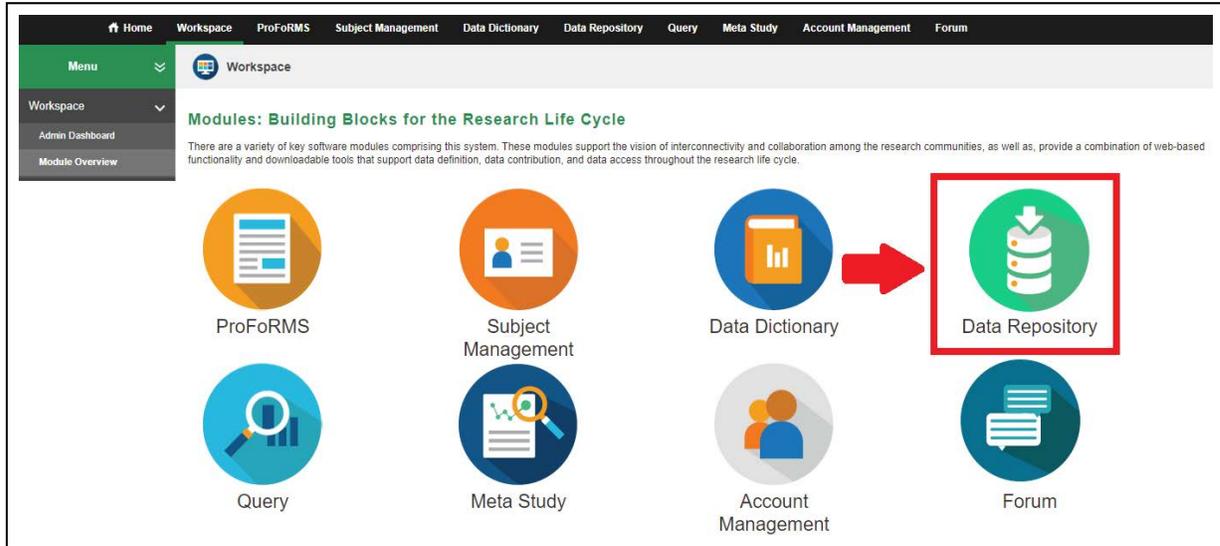
The **Download Queue** is the location where datasets that have been selected to be downloaded are stored until the user downloads the data with the **Download Tool**. Datasets can be added to the **Download Queue** from both the **Data Repository** as well as from the **Query Tool**.

Steps to Populate the Download Queue

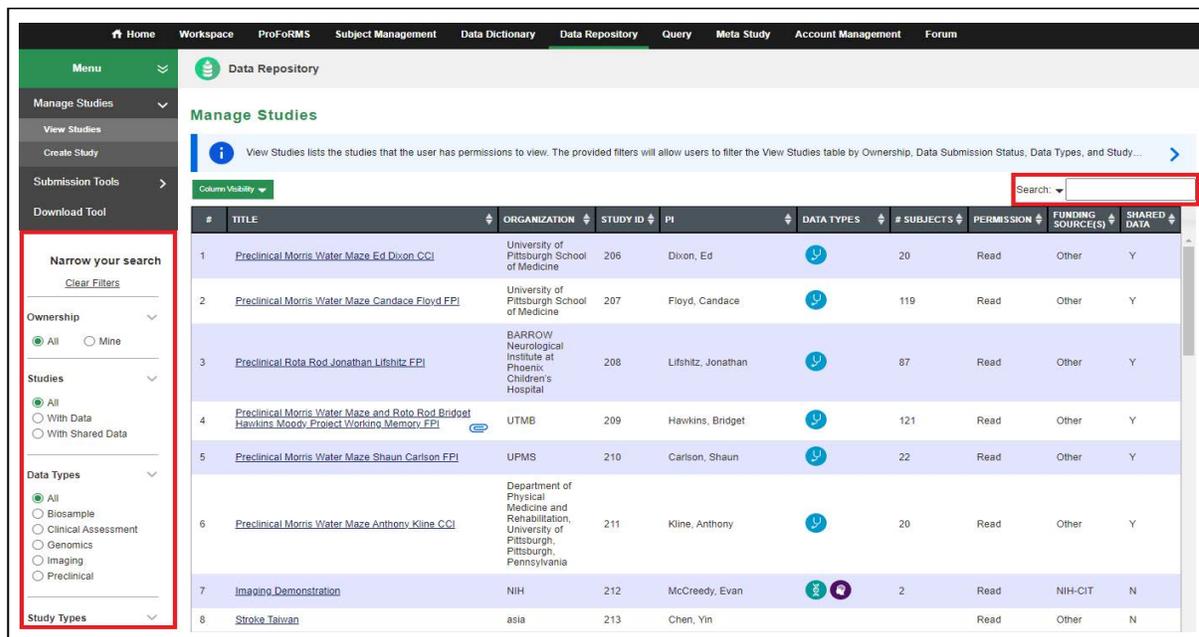
To populate **Download Queue**, perform the following actions:

1. Log into BRICS, and navigate to the Workspace where all the accessible modules are displayed and select **Data Repository**.

Note: if the module is greyed out then the user does not have access to the module. Please reach out to the BRICS Operations team for additional information on obtaining permissions to the greyed out modules.



- After clicking on the **Data Repository** icon from the workspace, the user will be brought to the studies list. This is where the user can view all the studies that have submitted or are submitting data to the repository.



Manage Studies

View Studies lists the studies that the user has permissions to view. The provided filters will allow users to filter the View Studies table by Ownership, Data Submission Status, Data Types, and Study...

Search:

#	TITLE	ORGANIZATION	STUDY ID	PI	DATA TYPES	# SUBJECTS	PERMISSION	FUNDING SOURCE(S)	SHARED DATA
1	Preclinical Morris Water Maze Ed Dixon CCI	University of Pittsburgh School of Medicine	206	Dixon, Ed		20	Read	Other	Y
2	Preclinical Morris Water Maze Candace Floyd FPI	University of Pittsburgh School of Medicine	207	Floyd, Candace		119	Read	Other	Y
3	Preclinical Rota Rod Jonathan Lifshitz FPI	BARROW Neurological Institute at Phoenix Children's Hospital	208	Lifshitz, Jonathan		87	Read	Other	Y
4	Preclinical Morris Water Maze and Roto Rod Bridget Hawkins Moody Project Working Memory FPI	UTMB	209	Hawkins, Bridget		121	Read	Other	Y
5	Preclinical Morris Water Maze Shaun Carlson FPI	UPMS	210	Carlson, Shaun		22	Read	Other	Y
6	Preclinical Morris Water Maze Anthony Kline CCI	Department of Physical Medicine and Rehabilitation, University of Pittsburgh, Pittsburgh, Pennsylvania	211	Kline, Anthony		20	Read	Other	Y
7	Imaging Demonstration	NIH	212	McCreedy, Evan		2	Read	NIH-CIT	N
8	Stroke Taiwan	asia	213	Chen, Yin			Read	Other	N

Narrow your search

Clear Filters

Ownership

All Mine

Studies

All With Data With Shared Data

Data Types

All Biosample Clinical Assessment Genomics Imaging Preclinical

Study Types

- In the list of studies that appears, find the study of interest from which you wish to download the dataset(s) by using the search/filter fields. If the study of interest does not appear in the study list, then verify that they you have the permissions to view that study as well as download data from that study. Contact the Operations team for any additional assistance when using the **Data Repository**.

As a way to quickly determine the type of data within a study, the user can use the “**Data Types**” column with the three icons. When the icon is colored in, that means the study has that particular type of data. The different icons represent:

Helix: Genomics data.

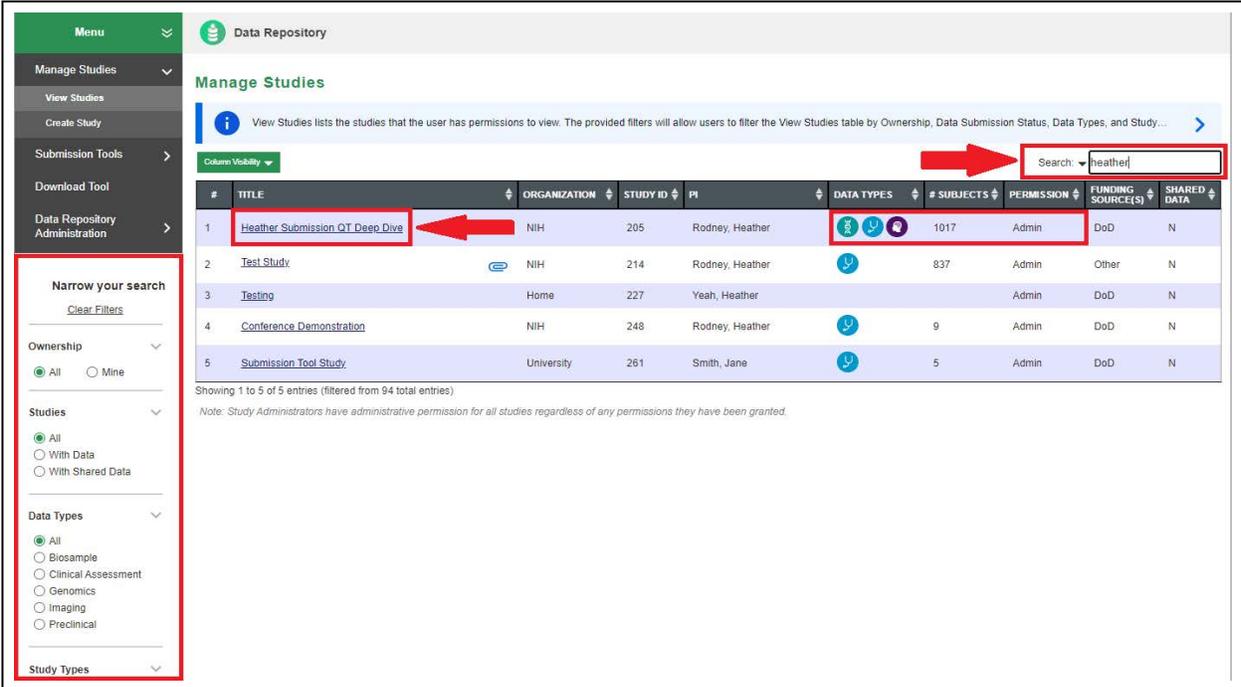
Stethoscope: Clinical assessment data.

Head: Imaging data.

Note: The **View Studies** page lists the studies that you have permission to view. You can see your specific permissions for the study in the “**Permission**” column.

Use the provided filters on the bottom left column to filter by: **Ownership**, **Data Submission Status**, **Data Type** and **Study Type**.

Use the search box to search by **Title**, **Organization**, **Study ID**, **Principal Investigator (PI)**, **Data Type**, **Permission**, **Funding Source**, **Shared Data**, **Study Keywords**, and **Study Type**.



Manage Studies

View Studies lists the studies that the user has permissions to view. The provided filters will allow users to filter the View Studies table by Ownership, Data Submission Status, Data Types, and Study...

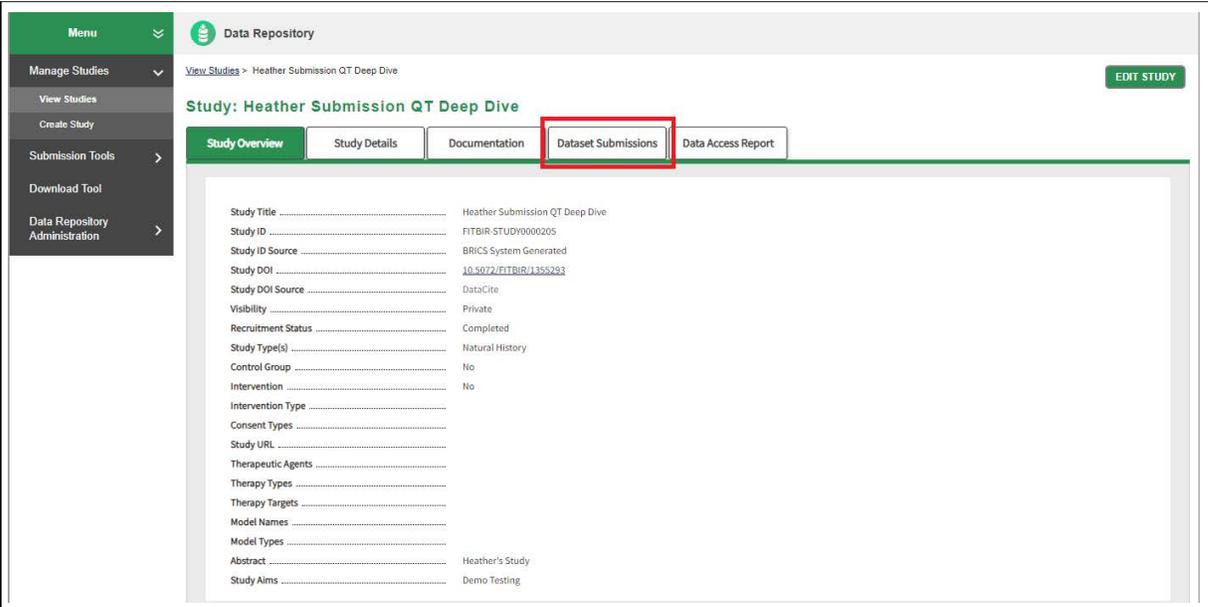
Search: heather

#	TITLE	ORGANIZATION	STUDY ID	PI	DATA TYPES	# SUBJECTS	PERMISSION	FUNDING SOURCE(S)	SHARED DATA
1	Heather Submission QT Deep Dive	NIH	205	Rodney, Heather	  	1017	Admin	DoD	N
2	Test Study	NIH	214	Rodney, Heather		837	Admin	Other	N
3	Testing	Home	227	Yeah, Heather			Admin	DoD	N
4	Conference Demonstration	NIH	248	Rodney, Heather		9	Admin	DoD	N
5	Submission Tool Study	University	261	Smith, Jane		5	Admin	DoD	N

Showing 1 to 5 of 5 entries (filtered from 94 total entries)

Note: Study Administrators have administrative permission for all studies regardless of any permissions they have been granted.

4. When viewing the study profile, navigate to the **Data Submissions** tab.



The screenshot displays the BRICS Data Repository interface. On the left is a dark sidebar menu with options: Manage Studies, View Studies, Create Study, Submission Tools, Download Tool, and Data Repository Administration. The main header shows 'Data Repository' and a breadcrumb 'View Studies > Heather Submission QT Deep Dive' with an 'EDIT STUDY' button. Below the header, the study title 'Study: Heather Submission QT Deep Dive' is shown. A horizontal navigation bar contains five tabs: 'Study Overview' (active), 'Study Details', 'Documentation', 'Dataset Submissions' (highlighted with a red box), and 'Data Access Report'. The main content area shows a list of study metadata:

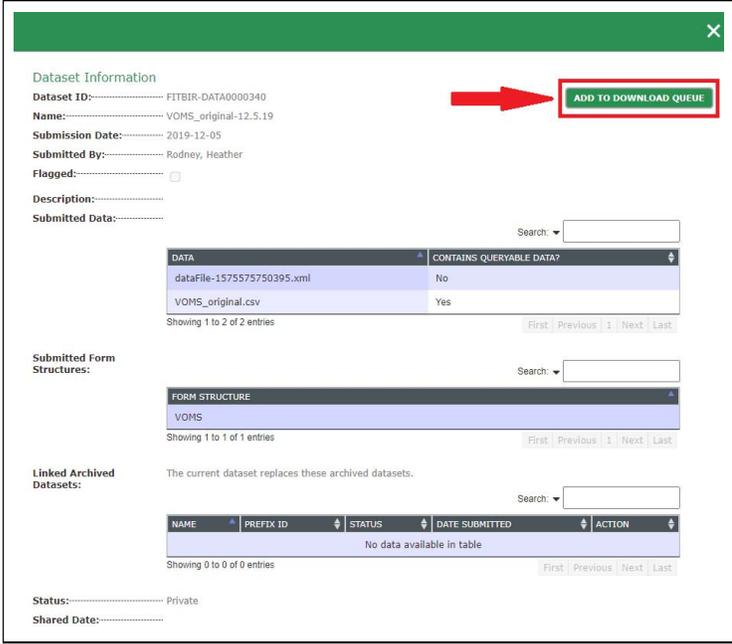
Study Title	Heather Submission QT Deep Dive
Study ID	FITBIR STUDY000205
Study ID Source	BRICS System Generated
Study DOI	10.5072/FITBIR/1355293
Study DOI Source	DataCite
Visibility	Private
Recruitment Status	Completed
Study Type(s)	Natural History
Control Group	No
Intervention	No
Intervention Type	
Consent Types	
Study URL	
Therapeutic Agents	
Therapy Types	
Therapy Targets	
Model Names	
Model Types	
Abstract	Heather's Study
Study Aims	Demo Testing

5. The list of datasets submitted to the study appears.

Note: In order to view and download datasets from a selected study, the user must have the appropriate permissions. Contact the Operations Team for questions on account permissions. Select the Dataset of interest to download by clicking on its name.

Study Overview		Study Details		Documentation		Dataset Submissions		Data Access Report	
Show shared & private ▼		Search: <input type="text"/>							
DATASET ID	NAME	SUBMISSION DATE	TYPE	STATUS	# OF REC		DESCRIPTION		
FITBIR-DATA0000340	VOMS_original-12.5.19	2019-12-05 14:56	Clinical Assessment	Private	13				
FITBIR-DATA0000331	VOMS (1) 10.17.19	2019-10-17 15:02	Clinical Assessment	Private	2				
FITBIR-DATA0000329	imagingdiffusion_output_15682140...	2019-09-19 14:37	Imaging	Private	100				
FITBIR-DATA0000319	VOMS (1)-DEMO	2019-08-27 15:59	Clinical Assessment	Private	2				
FITBIR-DATA0000314	BSI18-1566322620156	2019-08-20 13:37	Clinical Assessment	Private	98				
FITBIR-DATA0000310	query_result_Demographics_2017-1...	2019-08-16 20:02	Clinical Assessment	Private	6				
FITBIR-DATA0000295	BiomarkerCombo (5)-1559222041990	2019-05-30 09:13	Genomics	Private	1				
FITBIR-DATA0000280	VOMS (1)-112.13.18	2018-12-13 15:19	Clinical Assessment	Private	2				
FITBIR-DATA0000272	Deep Dive 10-25 SWLS	2018-10-25 14:49	Clinical Assessment	Private	2				
FITBIR-DATA0000271	Deep Dive 10-25	2018-10-25 12:04	Clinical Assessment	Private	4				
FITBIR-DATA0000270	Deep Dive	2018-10-24 15:58	Clinical Assessment	Private	4				
FITBIR-DATA0000261	SWLS_CDISC FITBIR 9.13.18	2018-09-13 14:57	Clinical Assessment	Private	2				
FITBIR-DATA0000259	VOMS 8.9.18	2018-08-09 15:02	Clinical Assessment	Private	2				
FITBIR-DATA0000255	VOMS (1)	2018-07-12 15:41	Clinical Assessment	Private	2				

- A pop-up window opens with information regarding the dataset. Note the green **Add to Download Queue** button in the upper right corner. This is only visible if the user has access to download this data.



Dataset Information

Dataset ID: FITBIR-DATA0000340
 Name: VOMS_original-12.5.19
 Submission Date: 2019-12-05
 Submitted By: Rodney, Heather
 Flagged:
 Description:
 Submitted Data:

Search:

DATA	CONTAINS QUERYABLE DATA?
dataFile-1575575750395.xml	No
VOMS_original.csv	Yes

Showing 1 to 2 of 2 entries | First | Previous | 1 | Next | Last

Submitted Form Structures:

Search:

FORM STRUCTURE
VOMS

Showing 1 to 1 of 1 entries | First | Previous | 1 | Next | Last

Linked Archived Datasets:

The current dataset replaces these archived datasets.

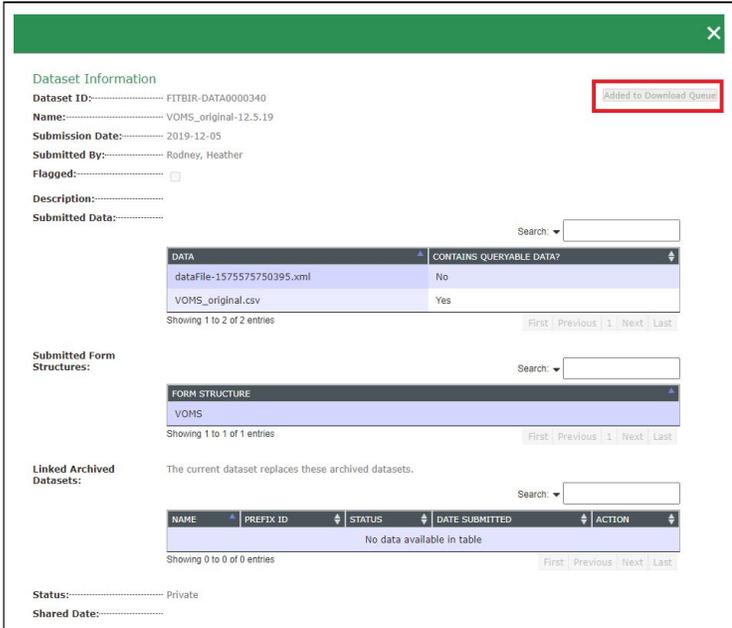
Search:

NAME	PREFIX ID	STATUS	DATE SUBMITTED	ACTION
No data available in table				

Showing 0 to 0 of 0 entries | First | Previous | Next | Last

Status: Private
 Shared Date:

- Click the **Add to Download Queue** button to add the dataset to the **Download Queue**. The **Add to Download Queue** button changes to the **Added to Download Queue** status message and the selected dataset will appear in the **Download Queue** list within the **Download Tool**.



Dataset Information

Dataset ID: FITBIR-DATA0000340
 Name: VOMS_original-12.5.19
 Submission Date: 2019-12-05
 Submitted By: Rodney, Heather
 Flagged:
 Description:
 Submitted Data:

Search:

DATA	CONTAINS QUERYABLE DATA?
dataFile-1575575750395.xml	No
VOMS_original.csv	Yes

Showing 1 to 2 of 2 entries | First | Previous | 1 | Next | Last

Submitted Form Structures:

Search:

FORM STRUCTURE
VOMS

Showing 1 to 1 of 1 entries | First | Previous | 1 | Next | Last

Linked Archived Datasets:

The current dataset replaces these archived datasets.

Search:

NAME	PREFIX ID	STATUS	DATE SUBMITTED	ACTION
No data available in table				

Showing 0 to 0 of 0 entries | First | Previous | Next | Last

Status: Private
 Shared Date:

- After the dataset has been added to the **Download Queue**, an auto generated email will be sent to the user to notify them that the dataset is ready for download.

Dear Name, User,

Your Apr 14, 2020, 5:18:44 PM, request for Dataset: Baseline Demographics _246 is now available in the Download Manager. If you have any questions, please email or call the Operations team.

Thanks,

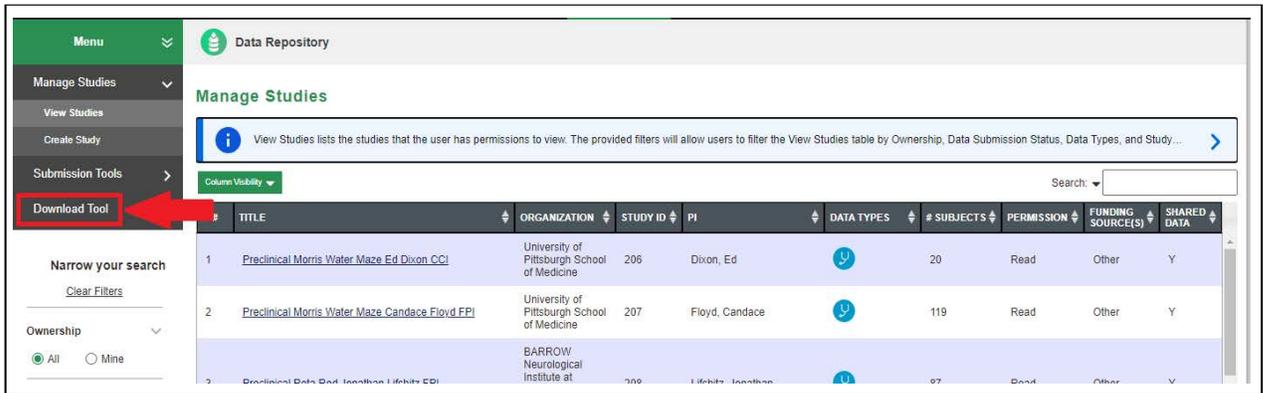
The FITBIR Operations team

- To download the dataset(s) from the download queue to the computer, use the **Download Tool**.

11.2.2 Using the Download Tool

Now that the desired dataset(s) have been placed in the **Download Queue**, the next step in the download process is to use the **Download Tool**.

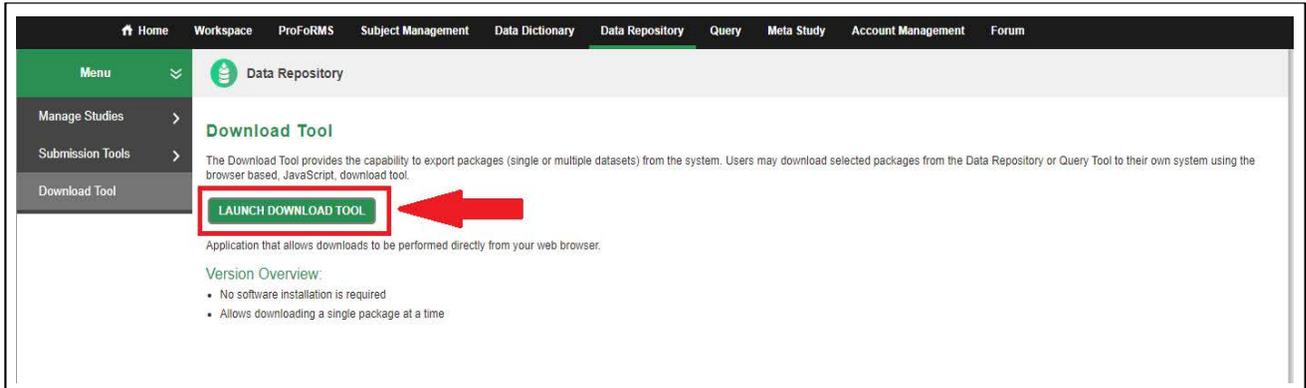
- Navigate back to the **Data Repository** and select the **Download Tool** in the left Navigation bar.



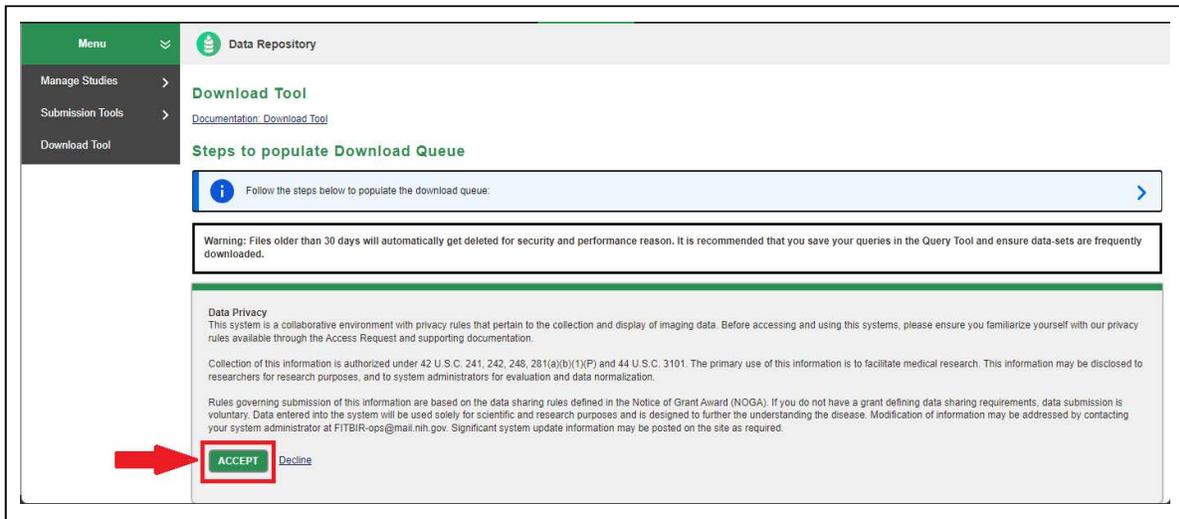
The screenshot shows the 'Data Repository' interface. On the left, a navigation menu is visible with the following items: 'Menu', 'Manage Studies', 'View Studies', 'Create Study', 'Submission Tools', and 'Download Tool'. The 'Download Tool' option is highlighted with a red box and a red arrow. The main content area displays a table of studies with columns for #, TITLE, ORGANIZATION, STUDY ID, PI, DATA TYPES, # SUBJECTS, PERMISSION, FUNDING SOURCE(S), and SHARED DATA. The table contains three rows of study data.

#	TITLE	ORGANIZATION	STUDY ID	PI	DATA TYPES	# SUBJECTS	PERMISSION	FUNDING SOURCE(S)	SHARED DATA
1	Preclinical Morris Water Maze Ed Dixon CCI	University of Pittsburgh School of Medicine	206	Dixon, Ed		20	Read	Other	Y
2	Preclinical Morris Water Maze Candace Floyd FPI	University of Pittsburgh School of Medicine	207	Floyd, Candace		119	Read	Other	Y
3	Preclinical Data Def. Leathan Lifesite EDI	BARROW Neurological Institute at	208	Lifesite, Leathan		87	Read	Other	Y

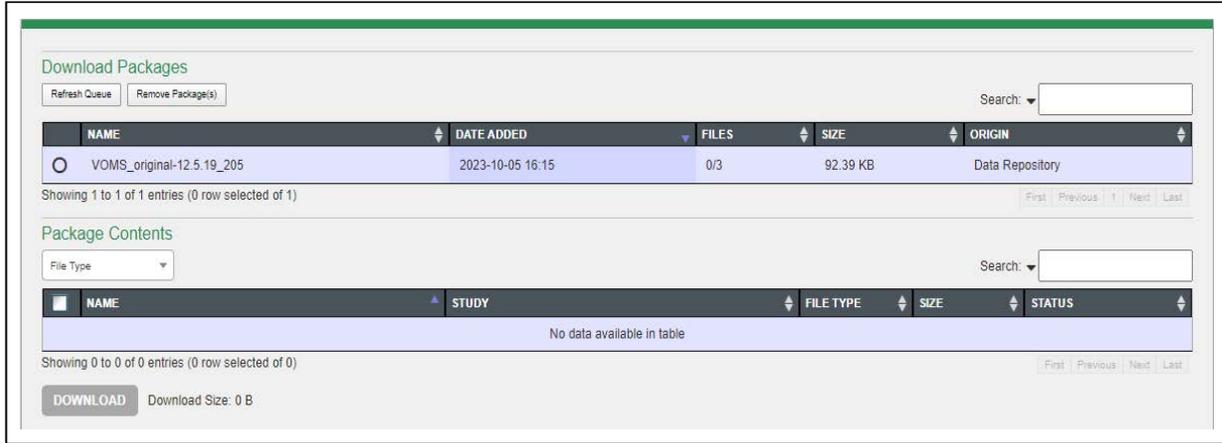
2. The **Download Tool** page will open. Select the **Launch Download Tool** button.



3. This will open a new page that provides steps to using the **Download Tool**, such as how to select data to download and how to change download settings with various internet browsers. At the bottom will be the Data Privacy agreement, press the **Accept** button to continue to the **Download Tool**.



- After pressing the **Accept** button, the **Download Tool** will appear. The top section titled **Download Packages** will consist of all the datasets that have been sent to the **Download Queue**. The bottom section titled **Package Contents** will show the files associated to the dataset that is selected in the top section.



The screenshot displays the **Download Tool** interface. It is divided into two main sections: **Download Packages** and **Package Contents**.

Download Packages: This section includes a **Refresh Queue** and **Remove Package(s)** button. A search bar is present. Below is a table with columns: **NAME**, **DATE ADDED**, **FILES**, **SIZE**, and **ORIGIN**. One entry is shown: **VOMS_original-12.5.19_205**, added on **2023-10-05 16:15**, with **0/3** files, **92.39 KB** size, and **Data Repository** origin. Below the table, it says "Showing 1 to 1 of 1 entries (0 row selected of 1)".

Package Contents: This section includes a **File Type** dropdown and a search bar. Below is a table with columns: **NAME**, **STUDY**, **FILE TYPE**, **SIZE**, and **STATUS**. The table is currently empty, displaying "No data available in table". Below the table, it says "Showing 0 to 0 of 0 entries (0 row selected of 0)".

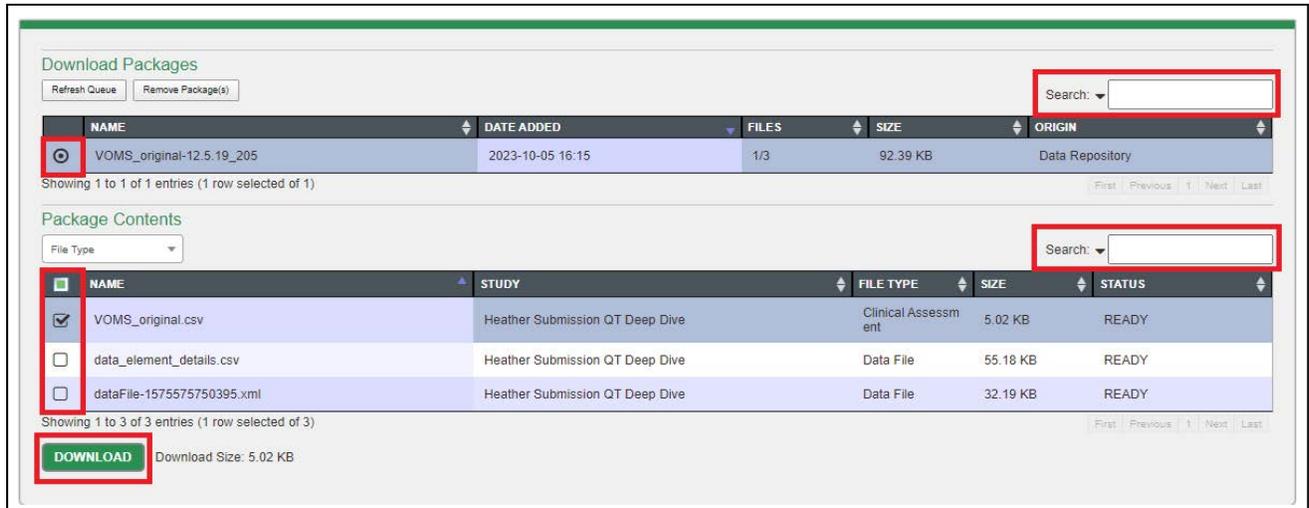
At the bottom of the **Package Contents** section, there is a **DOWNLOAD** button and a **Download Size: 0 B** indicator.

FEATURES OF THE DOWNLOAD TOOL:

- ❖ To remove a single dataset from the **Download Queue**, select it (using a checkbox) and press the **Remove Package** button.
- ❖ To remove multiple datasets from the **Download Queue**, select them using the checkboxes (or select all) and press the **Remove Package** button.
- ❖ To stop download(s), use the **Cancel Download** button.
- ❖ To sort the **Download Queue** table by the dataset name, use the small triangle next to the **Dataset** column name.
- ❖ Datasets in the **Download Queue** will stay there up to 30 days, then will be removed. If the user would like to retain their query for more than 30 days, it is best to save the query in the **Query Tool** module.
- ❖ To maintain a clean **Download Queue**, it is recommended that users remove datasets from the **Download Queue** after the user is done with that dataset. User can do this by pressing the **Remove Package** button or the **Clear Completed Downloads** button after downloading the data.

5. Datasets in the download queue that are ready for download will appear in the top **Download Packages** section. If there are multiple datasets ready for download, all of them will appear in the **Download Packages** section, however, only one can be selected at a time for download. Once a package is selected the **Package Contents** table will be populated with the files within that package. The user will have the ability to deselect or filter the contents of package in order to condense the download to specific files. After the desired package and contents have been chosen, press the **Download** button.

Note: The downloaded files will be sent to the user's download folder on their computer or to the location set in the browser's settings.



Download Packages

Refresh Queue Remove Package(s) Search:

	NAME	DATE ADDED	FILES	SIZE	ORIGIN
<input checked="" type="radio"/>	VOMS_original-12.5.19_205	2023-10-05 16:15	1/3	92.39 KB	Data Repository

Showing 1 to 1 of 1 entries (1 row selected of 1) First Previous 1 Next Last

Package Contents

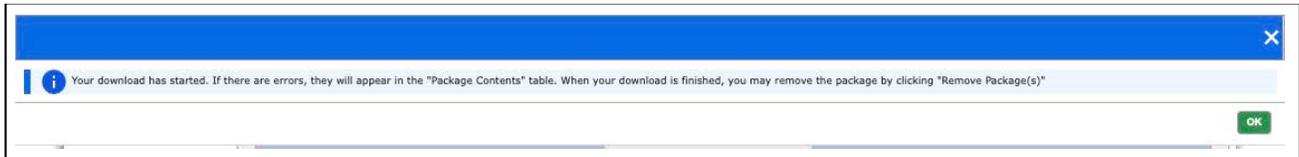
File Type Search:

	NAME	STUDY	FILE TYPE	SIZE	STATUS
<input checked="" type="checkbox"/>	VOMS_original.csv	Heather Submission QT Deep Dive	Clinical Assessment	5.02 KB	READY
<input type="checkbox"/>	data_element_details.csv	Heather Submission QT Deep Dive	Data File	55.18 KB	READY
<input type="checkbox"/>	dataFile-1575575750395.xml	Heather Submission QT Deep Dive	Data File	32.19 KB	READY

Showing 1 to 3 of 3 entries (1 row selected of 3) First Previous 1 Next Last

DOWNLOAD Download Size: 5.02 KB

6. You'll get the following confirmation message that your download has started. Click OK.



Your download has started. If there are errors, they will appear in the "Package Contents" table. When your download is finished, you may remove the package by clicking "Remove Package(s)"

OK

7. Once the download has finished, the status will display: **Download Complete**

Download Packages

Refresh Queue Remove Package(s) Search:

	NAME	DATE ADDED	FILES	SIZE	ORIGIN
<input checked="" type="checkbox"/>	VOMS_original-12.5.19_205	2023-10-05 16:15	3/3	92.39 KB	Data Repository

Showing 1 to 1 of 1 entries (1 row selected of 1) First Previous 1 Next Last

Package Contents

File Type Search:

<input checked="" type="checkbox"/>	NAME	STUDY	FILE TYPE	SIZE	STATUS
<input checked="" type="checkbox"/>	VOMS_original.csv	Heather Submission QT Deep Dive	Clinical Assessment	5.02 KB	Download Complete
<input checked="" type="checkbox"/>	data_element_details.csv	Heather Submission QT Deep Dive	Data File	55.18 KB	Download Complete
<input checked="" type="checkbox"/>	dataFile-1575575750395.xml	Heather Submission QT Deep Dive	Data File	32.19 KB	Download Complete

Showing 1 to 3 of 3 entries (3 rows selected of 3) First Previous 1 Next Last

DOWNLOAD Download Size: 92.39 KB

Status: **Download Complete**

If you have more Download Packages you wish to download then repeat steps 5-7 until you are done. **NOTE:** If you do not wish to keep the download the package again in the future it you may remove them out of the download queue after completing the download by clicking Remove Package(s) and selecting the packages you wish to remove.

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