

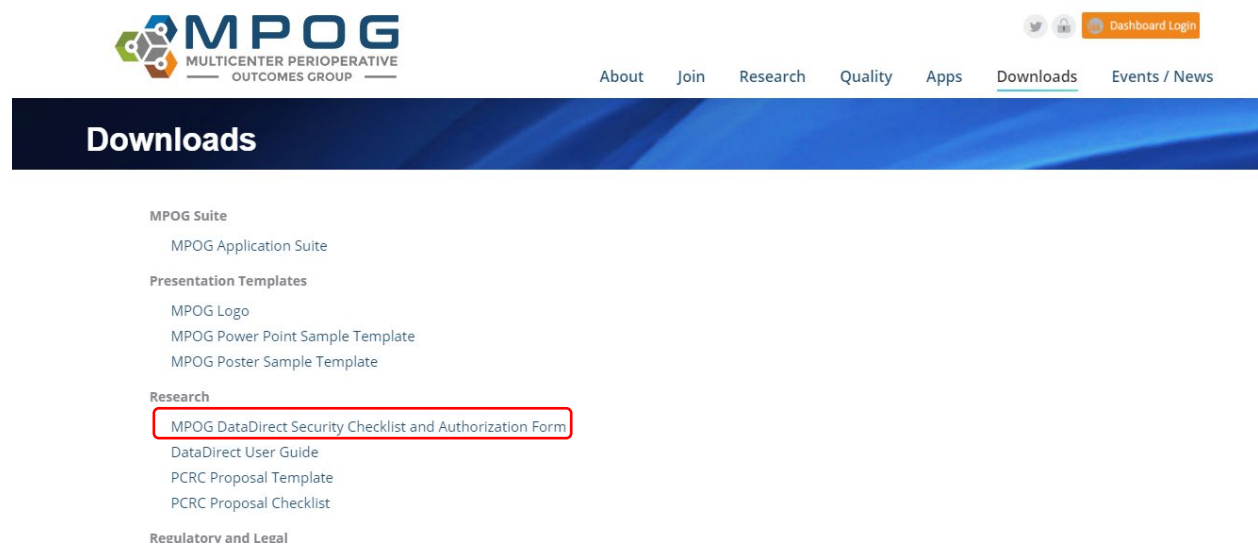
# DataDirect 2.0 User Guide

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DataDirect is an application that allows users to create queries using data submitted to MPOG for quality improvement (QI) and research purposes. It contains multiple filters that can help easily identify a cohort of patients and access data following appropriate approvals. Researchers can use DataDirect to identify patient, case, and institution counts for the cohort they are interested in studying. Quality Champions can generate a list of patients to audit outcomes or processes of case. As an example, the Quality Champion for the site may be interested in identifying patients who received reversal for neuromuscular blockade and compare that to institution reintubation rates to identify if any correlation exists.

## Gaining DataDirect Access

DataDirect contains a limited dataset. Protected Health Information is excluded except for dates of service. However, because DataDirect may contain information regarding hospital level quality indicators (i.e. hospital mortality), approval from the appropriate hospital department (i.e. Quality or Health Information Management) is required. To gain access to DataDirect, an authorization form must be completed and sent to the MPOG coordinating center. This form can be found on our website <https://mpog.org/downloads>



Please scan and email the completed form to [mpog-admin@med.umich.edu](mailto:mpog-admin@med.umich.edu). You will be contacted once login permissions have been updated. Access expires every six months. Users must renew to maintain access.

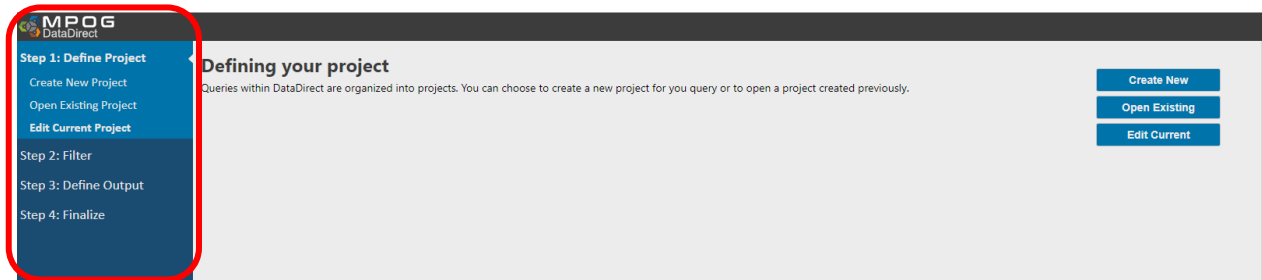
## Generating a Query

When creating a query, there are three modes you can choose from.

- **Cohort Only** generates a *count* to rapidly determine feasibility of a research or QI project. There is no ability to download data, and no additional approval (e.g. Institutional Review Board) is required for access.
- **Quality Report** generates a cohort count, data query, and case list for a specific site. Although DataDirect will display final case counts, institutions will remain anonymized.
- **Single Center Research** allows for cohort identification and data access from your site only.
- **Multi-Center Research** allows for cohort identification and data access from multiple sites and requires approval from the Perioperative Clinical Research Committee (PCRC). Steps for PCRC review are found here: <https://mpog.org/pcrc/>

The following guide outlines the filters available and steps needed to create a query.

### Step 1: Define your Project



Choose from **New**, **Existing**, or **Edit Current**.

### Creating a New Query

Enter a name, description (optional), and reason for your query.

**Step 1: Define Project**

- Create New Project
- Open Existing Project
- Edit Current Project

Step 2: Filter

Step 3: Choose Output

Step 4: Finalize

### Create a New Query

Name your project and set a few attributes.

**Project Name**

**Description (optional)**

**Query Mode**

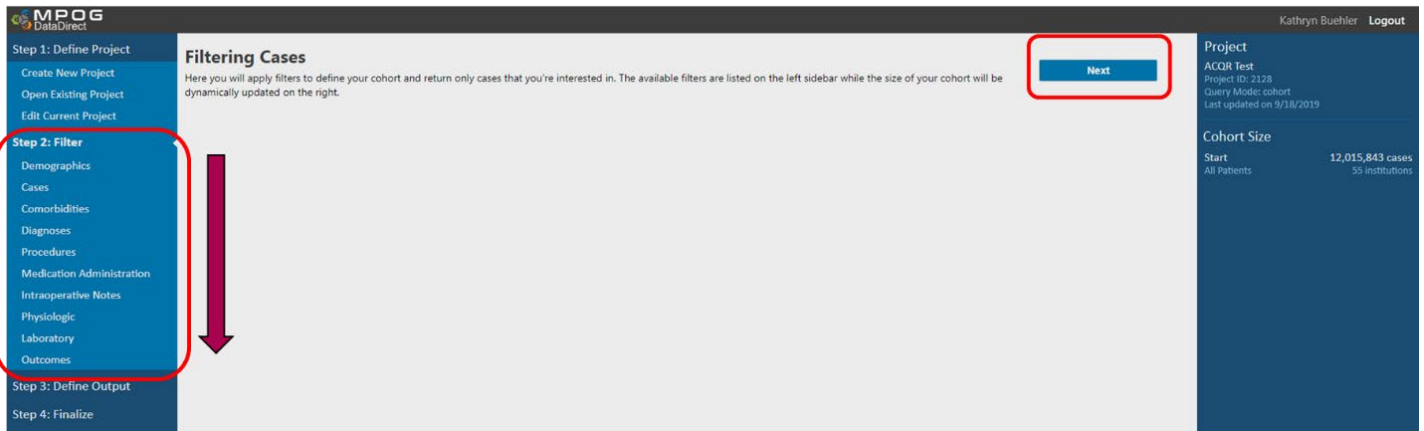
- Cohort Only
- Quality Report
- Single Center Research
- Multi-Center Research

**Choose Starting Population**

**All Patients** 7,469,488 patients  
All MPOG patients and cases 12,385,826 cases  
55 institutions

## Step 2: Filtering Cases

Next, begin defining criteria for your query. Choose from the filters listed in the left panel. The **Next** button advances users through the list of filters as they are added.



## Cohort Results:

As DataDirect retrieves data to match the selected criteria, the right panel of the screen will display final counts. This will refresh as filters are added. *Note: your query is also saved to your individual profile in DataDirect.*

Results include:

- 1) Initial patient, case, and institution counts
- 2) Saved query criteria
- 3) Sequential counts of patient data matching each successive query criteria.



## Adding Filters

### Demographics

Demographics are *patient-level* characteristics available from the administrative registry systems, *not* case-level information.

**Select** the checkboxes beside the characteristics to *include* them in your query. De-select items you do not wish to include. For example, to find only Female patients, de-select Male and Unknown under Gender. You can select all institutions or only your own institution in cohort mode.

Click **Add** to add these criteria to your query:

The screenshot shows the 'Demographics' filter configuration page. It includes a title 'Demographics' and a subtitle 'Patient characteristics from administrative registration systems. Data is mostly case-level and reflects the most recent value for a given patient (e.g. smoking status), regardless of time period specified in Cases.' There are two buttons on the right: 'Add' (highlighted with a red box) and 'Next'. The filter settings are as follows:

- Sex:  Female,  Male,  Unknown
- Age: 20 year(s) to 60 year(s)
- BMI: 0 to 100
- Institution: 1 institution selected (University of Michigan Health System)
- Race: any race
- Smoking Status:  Current,  Former,  Never,  Unknown

The selected criteria will now appear in the box to the right.

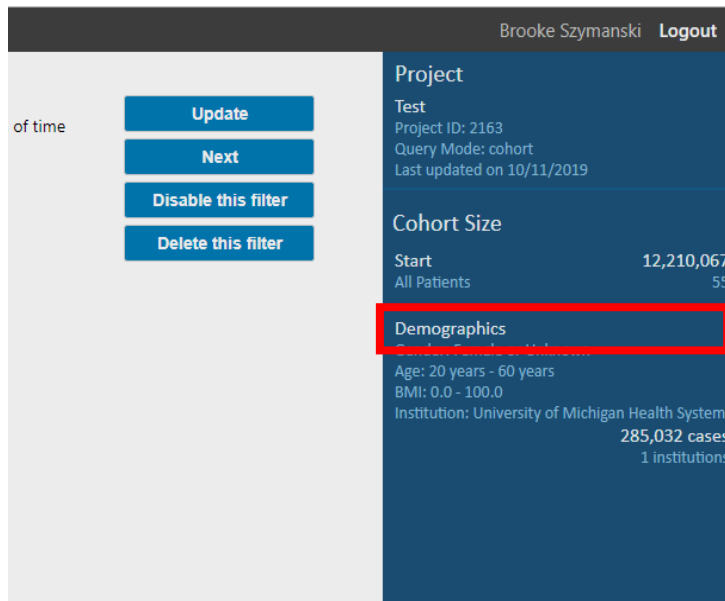
The screenshot shows the query results sidebar. It includes a user profile 'Brooke Szymanski Logout' and a list of filters with buttons to 'Update', 'Next', 'Disable this filter', and 'Delete this filter'. The selected criteria are displayed in a blue box:

- Project**  
Test  
Project ID: 2163  
Query Mode: cohort  
Last updated on 10/11/2019
- Cohort Size**  
Start: 12,210,067  
All Patients: 55
- Demographics**  
Gender: Female or Unknown  
Age: 20 years - 60 years  
BMI: 0.0 - 100.0  
Institution: University of Michigan Health System  
285,032 cases  
1 institutions

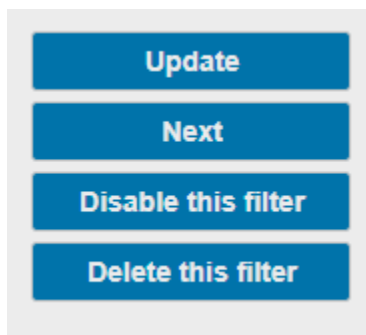
## Filter Navigation

As filters are created and updated, *Filter Navigation* buttons can be used in the top right corner of DataDirect. As you build your query, check the right panel to verify that your criteria have been added. At any time, you may enable/disable, edit or remove an individual filter from your query.

First, click the header of the filter you would like to change.



Then, use the Filter Navigation buttons in the upper right-hand corner to make modifications.



**Update:** When making changes to an existing filter, use **Update** to update filters on the right

**Next:** Will move the user to the next step. In the above example, **Next** will take you to the next filter down the list on the right.

**Disable this filter:** Will disable the filter from the query. It will not be deleted but allows the user to view the difference in results when applying the filter vs. disabling the filter.

**Delete this filter:** Will delete the filter entirely.

## Cases

To continue building your query, select an additional filter category, for example, **Cases**.

- Choosing **Next** on the above screen will advance the user to the Cases filter.
- Check boxes you wish to select within each field.
- Click **Add** to apply the filter and **Next** to advance to the next filter (e.g. Comorbidities).

Review the updated result panel on the right side of the screen each time you click **Add** to note the additional criteria have been *saved* to your query.

The screenshot shows the MPOG DataDirect interface. The left sidebar is labeled 'Step 2: Filter' and lists various filter categories. The 'Cases' filter is selected and highlighted with a red rounded rectangle. The main content area displays the configuration for the 'Cases' filter, including fields for Procedure Date, CPT Base Units, Weekend Case, Holiday Case, ASA Status, Emergency Status, Admission Type, Case Duration, Cardiac Case, Anesthesia Technique General, Anesthesia Technique LMA, Endotracheal Tube Used, Anesthesia Technique Neuraxial, and Anesthesia Technique Block. The right sidebar shows the Project details and Cohort Size.

## Comorbidities

Check the boxes from the dropdown menu of comorbidities you want to include in your query. Select if you would like to keep only cases with those comorbidities or remove cases with the selected comorbidities.

The screenshot shows the MPOG DataDirect interface. The left sidebar is labeled 'Step 2: Filter' and lists various filter categories. The 'Comorbidities' filter is selected and highlighted with a red rounded rectangle. The main content area displays the configuration for the 'Comorbidities' filter, including fields for Elixhauser comorbidities, Mode, and Selection. The right sidebar shows the Project details and Cohort Size.

## Diagnoses

Begin typing the desired diagnosis name (or associated ICD-9 and ICD-10 codes) into the Diagnosis Code field. ICD-10 codes were required as of October 1, 2015, therefore historical data may only include ICD-9 codes. If you are interested in capturing diagnosis data for a case that occurred before this date, please choose both ICD-9 and ICD-10 codes. Select the codes you desire, then click “Add Selected”.

Diagnoses are derived from billing sources (administrative or professional billing) or the clinician-entered problem summary list. Clinician-entered problem lists use ICD-9 and ICD-10 codes. ICD-10 coding was initially developed by the World Health Organization in 1992, and the United States began requiring the use of ICD-10

**Add**  
**Next**

[Search all sources]

ICD-9  ICD-10  Include related ICD-9/ICD10

lupus i

1 item(s) selected **Add Selected**

**Top Result**

<input checked="" type="checkbox"/> Systemic lupus erythematosus [710.0]	139402 times
<input type="checkbox"/> Systemic lupus erythematosus, unspecified <M32.9>	114461 times
<input type="checkbox"/> Glomerular disease in systemic lupus erythematosus <M32.14>	24678 times
<input type="checkbox"/> Discoid lupus erythematosus <L93.0>	12203 times
24 more...	

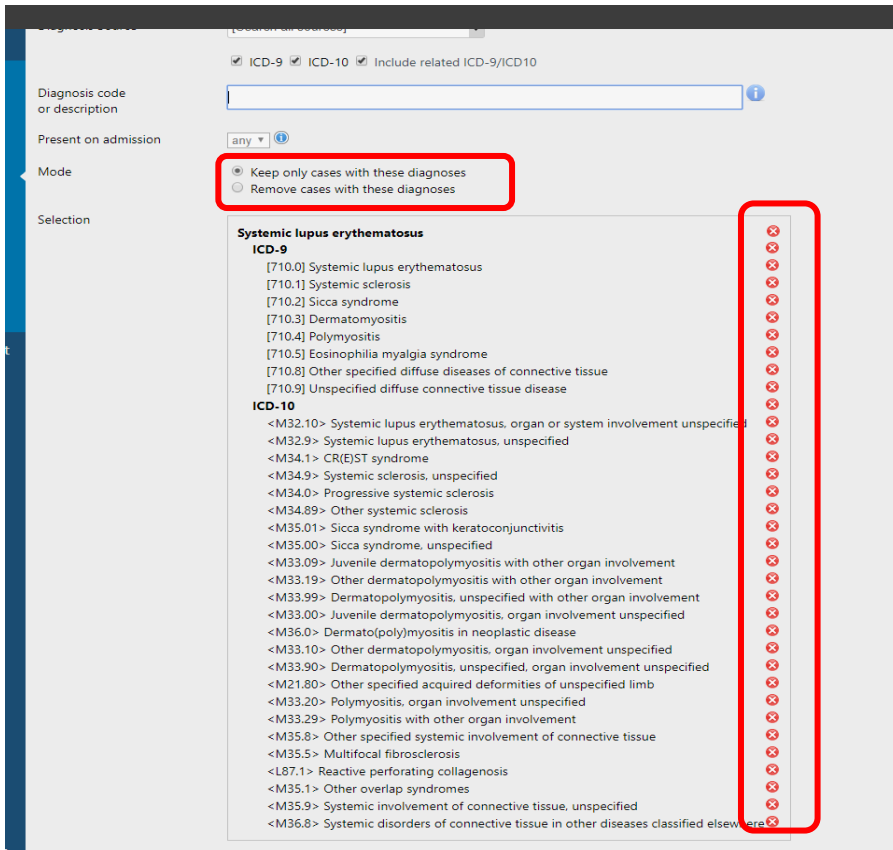
**ICD9 Discharge Diagnoses**

<input type="checkbox"/> Systemic lupus erythematosus [710.0]	139402 times
<input type="checkbox"/> Lupus erythematosus [695.4]	7362 times
<input type="checkbox"/> Discoid lupus erythematosus of eyelid [373.34]	35 times

**ICD10 Discharge Diagnoses**

<input type="checkbox"/> Systemic lupus erythematosus, unspecified <M32.9>	114461 times
<input type="checkbox"/> Glomerular disease in systemic lupus erythematosus <M32.14>	24678 times
<input type="checkbox"/> Discoid lupus erythematosus <L93.0>	12203 times
<input type="checkbox"/> Other organ or system involvement in systemic lupus erythematosus <M32.19>	7981 times
21 more...	

As you select a diagnosis code, the ‘parent’ ICD-9 and ICD-10 codes and the associated ‘child’ ICD-9 and ICD-10 codes will be displayed and automatically **included**. De-select (click the red X) any individual code you wish to remove from the suggested list. “Keep only cases with these diagnoses” is the default selection. To exclude cases based on diagnosis code, choose “remove cases with these diagnoses.” Click “Add” when finished.





## Adding “OR” Logic

You may be interested in patients who have *either* one condition *or* a second condition. For example, if you were interested in patients with Lupus **OR** patients with Diabetes, use “OR” logic. To achieve this, include the Diabetes criteria in the “same criteria box” as the Lupus diagnoses. Open the existing Diagnoses query Lupus. To add an additional diagnosis, enter the second criteria in the search box and click *Enter*.

Select the desired codes again and click **Add Selected**.

The screenshot shows the 'Diagnoses' interface with the search term 'diabetes' entered. The interface includes a search bar, filters for ICD-9, ICD-10, and related codes, and a list of results categorized by 'Top Result', 'ICD9 Discharge Diagnoses', 'ICD10 Discharge Diagnoses', and 'ICD-9'. Each result has a checkbox and a frequency count. A vertical column of red 'X' icons is visible on the right side of the results list.

Diagnosis	Frequency
<b>Top Result</b>	
<input type="checkbox"/> Type 2 diabetes mellitus without complications <E11.9>	2206637 times
<input type="checkbox"/> Diabetes mellitus without mention of complication, type II or unspecified type, not stated as uncontrolled [250.00]	1866664 times
<input type="checkbox"/> Type 2 diabetes mellitus with hyperglycemia <E11.65>	560914 times
<input type="checkbox"/> Type 2 diabetes mellitus with diabetic chronic kidney disease <E11.22>	505190 times
96 more...	
<b>ICD9 Discharge Diagnoses</b>	
<input type="checkbox"/> Diabetes mellitus without mention of complication, type II or unspecified type, not stated as uncontrolled [250.00]	1866664 times
<input type="checkbox"/> Diabetes mellitus without mention of complication, type II or unspecified type, uncontrolled [250.02]	191591 times
<input type="checkbox"/> Diabetes with neurological manifestations, type II or unspecified type, not stated as uncontrolled [250.60]	167169 times
<input type="checkbox"/> Polyneuropathy in diabetes [357.2]	156975 times
91 more...	
<b>ICD10 Discharge Diagnoses</b>	
<input type="checkbox"/> Type 2 diabetes mellitus without complications <E11.9>	2206637 times
<input type="checkbox"/> Type 2 diabetes mellitus with hyperglycemia <E11.65>	560914 times
<M35.5> Multifocal fibrosclerosis	
<L87.1> Reactive perforating collagenosis	
<M35.1> Other overlap syndromes	
<M35.9> Systemic involvement of connective tissue, unspecified	
<M36.8> Systemic disorders of connective tissue in other diseases classified elsewhere	
<b>ICD-9</b>	
[710.0] Systemic lupus erythematosus	
[710.1] Systemic sclerosis	
[710.2] Sicca syndrome	
[710.3] Dermatomyositis	

As before, remove any “child” ICD-9 and ICD-10 codes that you do not wish to keep (by clicking the red X for each). Click **Update** (both conditions will be listed).

The screenshot shows the MPoG Diagnostics interface. On the left, there's a navigation menu with 'Diagnoses' selected. The main area is titled 'Diagnoses' and contains filter settings. A search box contains 'diabetes'. Below it, there are checkboxes for 'ICD-9' and 'ICD-10', and a checked box for 'Include related ICD-9/ICD10'. The 'Present on admission' is set to 'any'. The 'Mode' is set to 'Keep only cases with these diagnoses'. A list of ICD-10 codes is shown, each with a red 'X' checkbox. The 'Update' button is highlighted with a red box. On the right, a 'Project' sidebar shows details for 'Project ID: 2163' and 'Cohort Size: 12,210,067'.

As expected, by adding Diabetes to the filters through “OR” logic, the number of cases has increased as compared to the number of cases only including Lupus

The image shows two side-by-side screenshots of the MPoG Diagnostics interface. The left screenshot shows the filter settings for 'Including Lupus' with a total of 4,110 cases and 1 institution. The right screenshot shows the filter settings for 'Including Lupus OR Diabetes' with a total of 23,763 cases and 1 institution. A red arrow points from the 4,110 cases to the 23,763 cases, indicating the increase in cases when Diabetes is added to the filters.

## Adding “AND” Logic:

Step 1: Define Project

Step 2: Filter

- Demographics
- Cases
- Comorbidities
- Diagnoses**
- Procedures
- Notes
- Medications
- Physiologic
- Labs
- Outcomes

Step 3: Choose Output

Step 4: Finalize

In contrast, if you are interested in patients who have BOTH Lupus AND Diabetes diagnoses, use “AND” logic. To find these patients, build two separate filters (i.e. one for Lupus, and a separate one for Diabetes). Start with an initial Diagnosis filter including Lupus.

Build an additional Data Source (Diagnosis) by *returning* to the main filter list (see left). Click **Diagnoses**, enter Diabetes into the Diagnosis code field, and click **Add Selected** to create new, separate criteria. Follow the same steps as above to remove any “Child” criteria you would not like to include.

The additional required criteria appear as a separate criteria box in the right hand panel, and the narrowed query results show a far more limited population of patients – only those patients who possess BOTH of the listed diagnosis codes

Each filter will appear as a separate Diagnosis filter on the right hand side (see right).

Project

Test

Project ID: 2163  
Query Mode: cohort  
Last updated on 10/11/2019

Cohort Size

Start **12,210,067**  
All Patients

Demographics

Gender: Female or Unknown  
Age: 20 years - 60 years  
BMI: 0.0 - 100.0  
Institution: University of Michigan Health System  
**285,032 cases**  
1 institutions

Cases

Procedure Date: 01/01/2000 - 10/11/2019  
Anesthesia time: 1 minute - 1440 minutes  
**283,840 cases**  
1 institutions

**Diagnoses**

diagnosis category: Clinical Problem Summary List, Professional Billing, Administrative Discharge

Billing

present on admission: any  
diagnosis type: none specified  
psl status: none specified  
keep codes: M32.10 or M32.9 or M34.1 or M34.9 or M34.0 or M34.89 or M35.01 or M35.00 or M33.09 or M33.19 or M33.99 or M33.00 or M36.0 or M33.10 or M33.90 or M21.80 or M33.20 or M33.29 or M35.8 or M35.5 or L87.1 or M35.1 or M35.9 or M36.8 or 710.0 or 710.1 or 710.2 or 710.3 or 710.4 or 710.5 or 710.8 or 710.9

**4,110 cases**  
1 institutions

**Diagnoses**

diagnosis category: Clinical Problem Summary List, Professional Billing, Administrative Discharge

Billing

present on admission: any  
diagnosis type: none specified  
psl status: none specified  
keep codes:

**4,110 cases**  
1 institutions

## Other Filters

Continue to work through the filters on the left hand side and apply as necessary. Continue to build and refine your query using Data Sources on the left-hand panel. Refer to the instructions inside each filter panel to determine the source and details for the information available.

## Modifying selected filters

**Cases**  
Perioperative case characteristics from the clinical documentation and professional fee billing systems. Some patient characteristics (ASA status) may change from one case to another and reflect the information known at the time of that case.

Procedure Date: 01/01/2018 to 01/01/2019

CPT Base Units: 3 to 30

Weekend Case: Yes No

Holiday Case: Yes No

ASA Status: ASA 1 ASA 2 ASA 3 ASA 4 ASA 5 ASA 6

Emergency Status: Yes No Unspecified

Admission Type: Inpatient Outpatient Other Unknown

Case Duration: Anesthesia time 1 minute(s) to 1440 minute(s)

Cardiac Case: Yes No

Anesthesia Technique General: Yes No

Anesthesia Technique LMA: Yes No

Endotracheal Tube Used: Yes No

Anesthesia Technique Neuraxial: Yes No

Anesthesia Technique Block: Yes No

**Project**  
ACQR Test  
Project ID: 2128  
Query Mode: cohort  
Last updated on 9/18/2019

**Cohort Size**  
Start: All Patients 12,015,843 cases 55 institutions

**Demographics**  
Gender: Female or Unknown  
Age: 20 years - 60 years  
BMI: 0.0 - 100.0  
Institution: University of Michigan Health System 285,028 cases 1 institutions

**Cases**  
Procedure Date: 01/01/2018 - 01/01/2019  
ASA Status: ASA 1 or ASA 2 or ASA 3 or ASA 4  
Emergency Status: Yes  
Admission Type: Inpatient  
Anesthesia time: 1 minute - 1440 minutes 1,306 cases 1 institutions

**Procedures**  
include: 01967 < 10 cases 1 institutions

Update & Next  
Skip & Next  
Disable this filter  
Delete this filter

After making the selection changes, click 'Update & Next' to apply the filter.

Click the filter header that you wish to modify on the 'Project' results bar.

## Filtering Cases Summary

Finalize all filters as prompted by the guided step-by-step process. As filters are added, counts for the cohort size will continue to refresh in real-time. Click directly on the filter headers to modify previously selected filters. Move on to Step 3 once filters are selected and cohort size seems plausible.

### Step 3: Define Outputs

**Outputs** are column headers for your downloadable Excel file. They are available on the left side of the screen. Choose the (+) to add an output. Final selection of outputs are listed on the right, some are defaults that can be removed as needed.

The screenshot shows the 'Choose Output Items' interface in the MPOG DataDirect application. The interface is divided into several sections:

- Navigation:** A vertical sidebar on the left contains four steps: 'Step 1: Define Project', 'Step 2: Filter', 'Step 3: Choose Output' (highlighted), and 'Step 4: Finalize'.
- Search:** A 'Search Output Items' section with a dropdown menu set to 'All Categories' and a text input field for keywords.
- Available Output Items:** A list of items with descriptions and a '+' icon to add them:
  - Anesthesia Duration: The difference between anesthesia start and end in minutes
  - Anesthesia End: The time of the last anesthesia end documented on the procedure
  - Anesthesia Start: The time of the first anesthesia start documented on the procedure
  - Antiemetics Given: Whether the patient was given antiemetics or not (yes/no)
  - Baseline Blood Pressure: The baseline blood pressure documented in preop
  - Core Temperature Location Documented: Whether a core temp location was documented (yes/no)
- Selected Output Items:** A list of items that have been added to the output set:
  - Age: The patient's age in years at the time of the procedure
  - ASA Class (Merged): A merged, single value for the patient's ASA class (includes an 'Options' icon)
  - Admission Type: E.g. outpatient, inpatient, observation
- Project Summary (Right Sidebar):** Displays project information and cohort statistics:
  - Project: Mark's Super Amazing Query (Query ID 12345, Created on 7/17/2019)
  - Cohort Size: 11,594,452 cases (All Patients, 45 institutions)
  - Demographics: 2,864,021 cases (Age > 18, 7 institutions; Female, 7 Selected Institutions)
  - Comorbidities: 290,351 cases (Diabetes, 5 institutions)
  - Output: Total Items (3), Custom Elements (1)
- Buttons:** A 'Next' button is located in the top right of the main content area.

## Step 4: Review and Finalize

**Review and Finalize**

Here you can review your choices in detail and save documents relevant to your proposal.

**Cohort Details**

Project ID: 2319, Query Mode: Quality Report. Last updated on 11/6/2019

Filter	Cases	Patients	Institutions
Start	12,391,201	7,472,601	55
Demographics	5,101,576	3,331,001	55
Cases	3,125,693	2,189,990	49
Comorbidities	12,340	7,539	46
Diagnoses	1,430	769	33

**Query Output Specification**

**Main Case**  
This table contains data for Main Case

Display Name	Source	Data Direct Category
MPOG_Case_ID	Collation Group: MPOG_Case_ID	Basic Elements
Institution	Institution Randomizer	Basic Elements
ASA Status	Collation Group: ASA Status Classification	Case Characteristics
Arrived Intubated	Collation Group: Arrived Intubated Classification	Case Characteristics
Anesthesia Technique Used: Block	Collation Group: Anesthesia Technique Block	Case Characteristics

**Processing Complete:**  
Click here to download your results

**Project**  
test 1  
Project ID: 2319  
Query Mode: Quality Report  
Last updated on 11/6/2019

**This query has already been submitted and cannot be modified.**  
Create a new query with the same settings.

**Cohort Size**

Start: 12,391,201 cases  
All Patients: 55 institutions

**Demographics** 5,101,576 cases  
Age: 5 years - 50 years: 33 institutions  
BMI: 0.0 - 100.0  
Institution: All Institutions

**Cases** 3,125,693 cases  
49 institutions  
Procedure Date: 01/01/2015 - 11/06/2019  
ASA Status: ASA 1 or ASA 2 or ASA 3 or ASA 4  
Anesthesia time: 1 minute - 1440 minutes

**Comorbidities** 12,340 cases  
46 institutions  
Keep: Alcohol Abuse

**Diagnoses** 1,430 cases  
33 institutions  
Diagnosis category: Clinical Problem Summary List, Professional Billing, Administrative Discharge Billing  
present on admission: any  
diagnosis type: none specified  
psl status: none specified  
keep codes: E11.9 or E11.3 or Z50.02 or Z50.00

+ Final Counts by Institution

To see anonymized counts by institution, click on the icon to the right of the number to open a list.

Filter	Cases	Patients	Institutions	#	Patients
Start	12,391,201	7,472,601	55	1	248,596
Demographics	5,101,576	3,331,001	55	2	245,467
Cases	3,125,693	2,189,990	49	3	190,003
Comorbidities	12,340	7,539	46	4	185,744
Diagnoses	1,430	769	33	5	160,734
				6	159,312

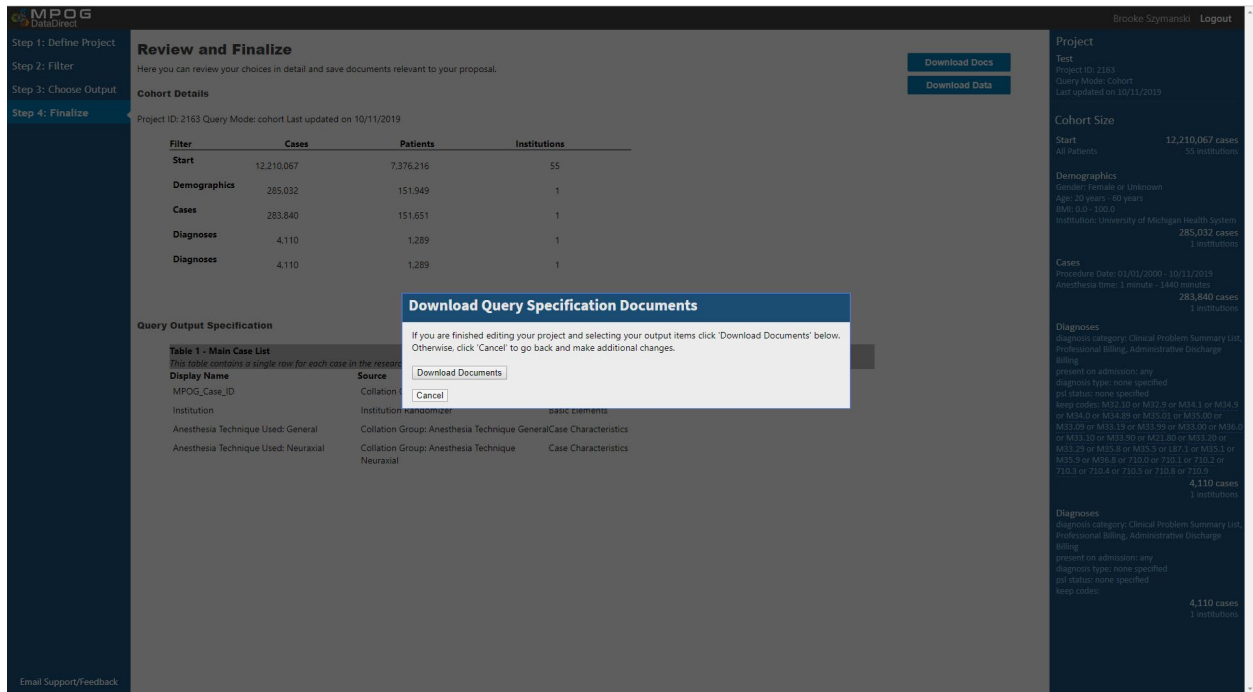
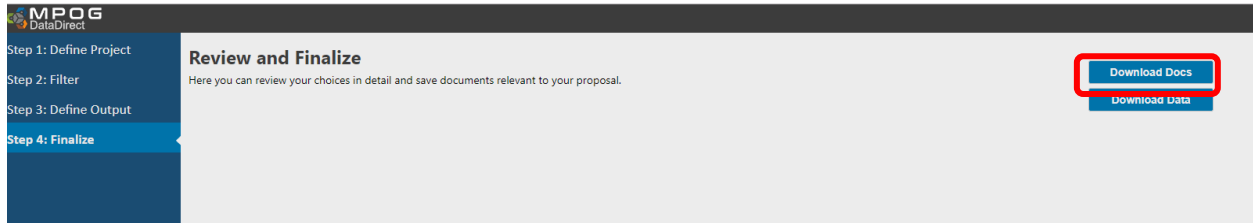
Based on query mode, different options are available:

- **Download Docs:** Output is a “Query Specification”, i.e. a document of the query itself (Quality Report Mode, Single Center Research Mode, Multi-Center Research Mode)
- **Download Data:** Output is your institution’s data for the query for Quality Report Mode or Single-Center Research Mode (local sites only). *Note: for Multi-Center Research Mode, data*

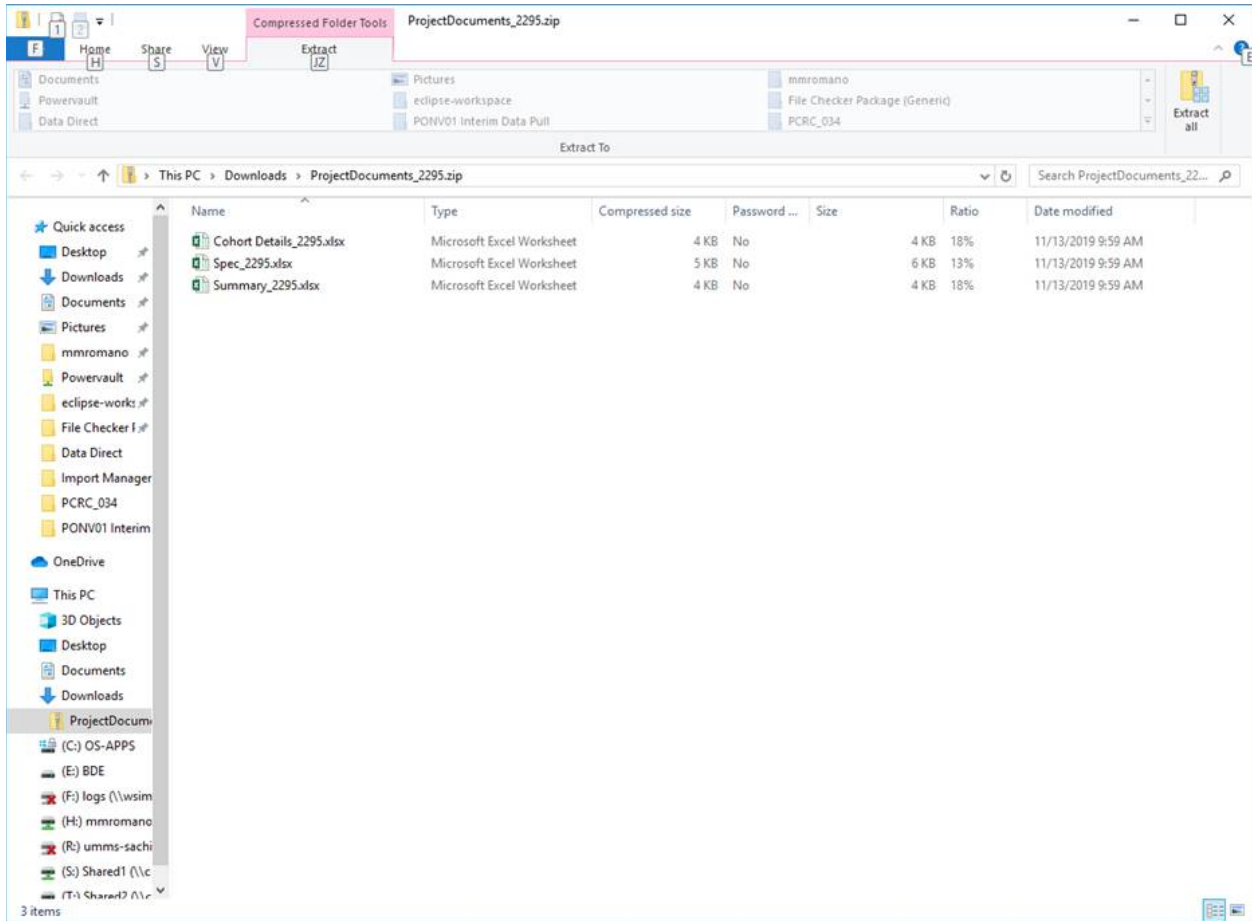
queries are specified by the MPOG Central analyst team, and available to Researchers via a secure data enclave following PCRC approval

- **No download option (Cohort Only Mode)**

## Click Download Docs



Download Docs will generate/auto download a zip file that contains 3 excel files



## Data Query Specification

Upon downloading the “Query Specification” for a particular project, a summary of the data, and characteristics of the data queried, are available in spreadsheet form.



# Data Summary

Example of Excel file generated through DataDirect

The screenshot shows an Excel spreadsheet titled "QuerySpecifications\_2163.xlsx (Protected View) - Excel". The spreadsheet contains a table with the following data:

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
query_id	Display_Name	ColumnName	DataType	Comment	Source	DataDirect_Category									
2163	MPOG_Case_ID	Value	uniqueidentifier		Collation Group: MPOG_Case_ID	Basic Elements									
2163	Institution	Value	varchar		Institution Randomizer	Basic Elements									
2163	Anesthesia Technique Used: General	MPOG_Institution_ID	numeric(18,0)	General anesthetic attempted operatively	Collation Group: Anesthesia Technique Used: General	Case Characteristics									
2163	Anesthesia Technique Used: General	Value_Code	int	General anesthetic attempted operatively	Collation Group: Anesthesia Technique Used: General	Case Characteristics									
2163	Anesthesia Technique Used: General	IMA_yn	varchar	General anesthetic attempted operatively	Collation Group: Anesthesia Technique Used: General	Case Characteristics									
2163	Anesthesia Technique Used: Neuraxial	Value	varchar	Neuraxial block attempted perioperatively	Collation Group: Anesthesia Technique Used: Neuraxial	Case Characteristics									
2163	Anesthesia Technique Used: Neuraxial	Value_Code	int	Neuraxial block attempted perioperatively	Collation Group: Anesthesia Technique Used: Neuraxial	Case Characteristics									
2163	Anesthesia Technique Used: Neuraxial	Spinal_yn	int	Neuraxial block attempted perioperatively	Collation Group: Anesthesia Technique Used: Neuraxial	Case Characteristics									