

Data Direct 2.1 Feature Updates

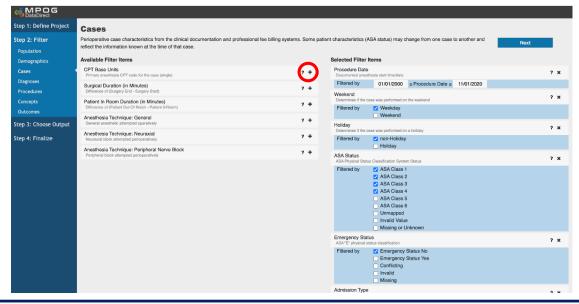


Last Updated: 1/19/2021

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Filtering data

- Users can now apply more granular filters.
- Each filter can be **individually selected** by clicking the **+** symbol to the right of the item name.
- Once added to the filtering algorithm, additional specifications, such as ranges or categories, may be added to the filter.

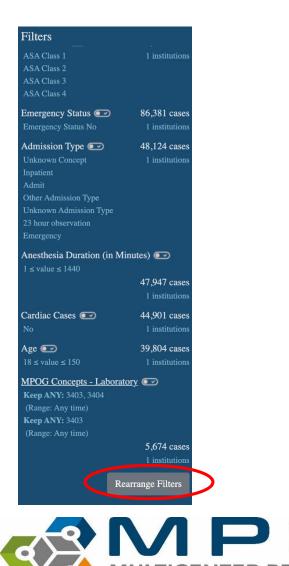




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Rearranging filters

- Users can rearrange the order in which filters are applied to the cohort.
- Please note that individual **filters** are joined to one another using **"and"** logic. Therefore, cases must meet **all** filter criteria in sequential order to be included in the cohort.
- To rearrange the filter order, click on the **Rearrange Filters** button toward the bottom, right-hand side of the screen.



Reordering a filter

- A filter can be rearranged by dragging and dropping the light blue bar or the \$\$ symbol located to the left of the filter name.
- Please note that any filter displayed with a lock (♠) and anchor (↓) cannot be reordered.



Creating filter groups

- Users can also create filter groups to combine individual filters using "or" logic from within the Rearrange Filters screen.
- Cases meeting **any** of the criteria within a **filter group** are included in the cohort.
- To create a filter group, click the Add a Filter Group button at the bottom or drag and drop a filter (using the + symbol) next to another filter.
- Please note that any empty filter groups will be ignored.



MULTICENTER PERIOPERATIVE OUTCOMES GROUP

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Understanding filter groups vs. filters

• Below is an example to illustrate the difference between applying individual filters versus filter groups to a cohort.

This query uses individual filters to combine procedure text and procedure codes using "and" logic – cases need to meet both filter criteria to be included.

	Filters								
	Starting Population								
	Perioperative Research Standard								
		6,826,595 cases							
		59 institutions							
	Institution 💌								
	University of Michigan Health System								
	, ,	645,309 cases							
		1 institutions							
		400 407							
	Procedure Date 💌	192,427 cases							
	01/01/2018 ≤ date	1 institutions							
)	Age 💽	168,674 cases							
	18 ≤ value	1 institutions							
	Holiday 💽	168,200 cases							
	non-Holiday	1 institutions							
	ŕ								
	ASA Status 💽	167,633 cases							
	ASA Class 1	1 institutions							
	ASA Class 2								
	ASA Class 3								
_	ASA Class 4								
Γ	Procedure Text 💌	959 cases							
	Keep ANY: coronary	1 institutions							
L	· · · · ·								
L	Procedure Codes 💽	70 cases							
L	Keep ANY: Surg[33510]	1 institutions							
		Rearrange Filters							
		Be meets							

This query utilizes the filter group to combine procedure text and procedure codes using "or" logic – cases can meet either filter group criteria to be included.

Filters								
Starting Population								
Perioperative Research	Perioperative Research Standard							
	6,826,595 cases							
	59 institutions							
Institution 💌	Institution 📼							
University of Michigan H	University of Michigan Health System							
	645,309 cases							
	1 institutions							
Procedure Date 💌	192,427 cases							
01/01/2018 ≤ date	1 institutions							
Age 💽	168,674 cases							
18 ≤ value	1 institutions							
Holiday 💽	168,200 cases							
non-Holiday	1 institutions							
ASA Status 💌	167,633 cases							
ASA Class 1	1 institutions							
ASA Class 2								
ASA Class 3								
ASA Class 4								
Any of the following	973 cases							
	1 institutions							
Procedure Text 💌	959 cases							
Keep ANY: coronary	1 institutions							
Procedure Codes 💽	☑ 84 cases							
Keep ANY: Surg[33510)] 1 institutions							
	Rearrange Filters							

Finalizing query

- The Finalize step of the query process has been simplified to include only a single pop-up screen for capturing the filename, attestations and password for the file.
- Additionally, users can **edit or rerun a previously completed query** without having to make a copy of it.

	DataDirect								
Download Query Result		Review and	Finalize						
Only data from your institution will be included in the download. Data from other institutions requires formal PCRC approval.		Here you can review your choices in detail and save documents relevant to your proposal.							
		Project ID:	6556						Done: Re-run
Name	Step 3: Choose Output	Project Name:	Covid						
Covid	Step 4: Finalize	Query Mode:	Research						Download Package
on		Cohort Details							
		Filter	Cases	Patients	Institutions				
ne		Population	6,785,580	4,307,87	75	59			
		Starting Population							
xisx		Population	103,429	66,719		1			
Attestations		Institution							
		Cases	101,283	65,505		1			
I confirm that my dataset meets the "minimum necessary standard" for requested PHI.		Procedure Date							
I attest that I will NOT store my dataset on portable drives, or computers not approved/managed by my hospital, and will NOT remove password encryption.		Cases	93,364	61,631		1			
□ I am responsible for protecting the privacy of the individuals' PHI contained my dataset throughout the life of my project.		Weekend							
□ I agree to not disclose, transmit or share PHI outside my hospital and health system without appropriate approvals and agreements in place.		Cases	92,898	61,392		1			
		Holiday	92,425	61,188					
I understand that my activity on this tool will be audited.			92,425	61,188		1			
Please specify a password that can be used to regenerate your Excel file download.		ASA Status Cases	86.381	57,930					
		Emergency Status	00,301	57,550		1			
Set Password		Cases	48,124	36,125		1			
Enter password		Admission Type	40,124	00,120					
		Cases	47,947	35,970		1			
Retype password			47,047	00,010					
									C
Download Package Cancel				(२)					