DataDirect 2.0 Overview

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Objectives

- Introduce DataDirect as a tool used for quality and research
- Provide overview of the new application – highlighting changes from current version
- Describe enhancements scheduled for upcoming year

What is DataDirect?

- Application used to query data stored in the MPOG Central database
- Allows users to apply filters to identify a cohort of patients for a study (research) or direct a quality improvement project
- Limited data set- no MRNs or patient names provided, only date of service and MPOG Case IDs
- Review patient or case counts to determine impact/relevance of the study/project quickly and can download case list to review individual cases as needed

How to Obtain Access

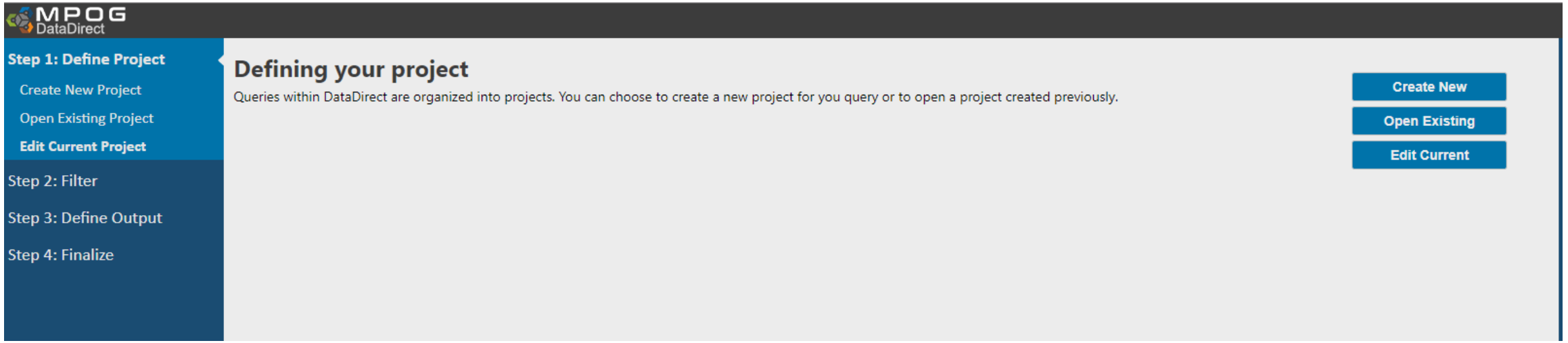
- Accessed via the web: DataDirect
- New User Guide Coming Soon!
- All users need to complete DataDirect Security Checklist and Authorization Form
- DataDirect roles are assigned by MPOG based on the user's role in MPOG
  - Quality Champions and ACQRs may want to query the data differently from researchers and therefore have different types of DataDirect access
- Access expires every 6 months- must renew to maintain access

DataDirect 2.0: Getting Started

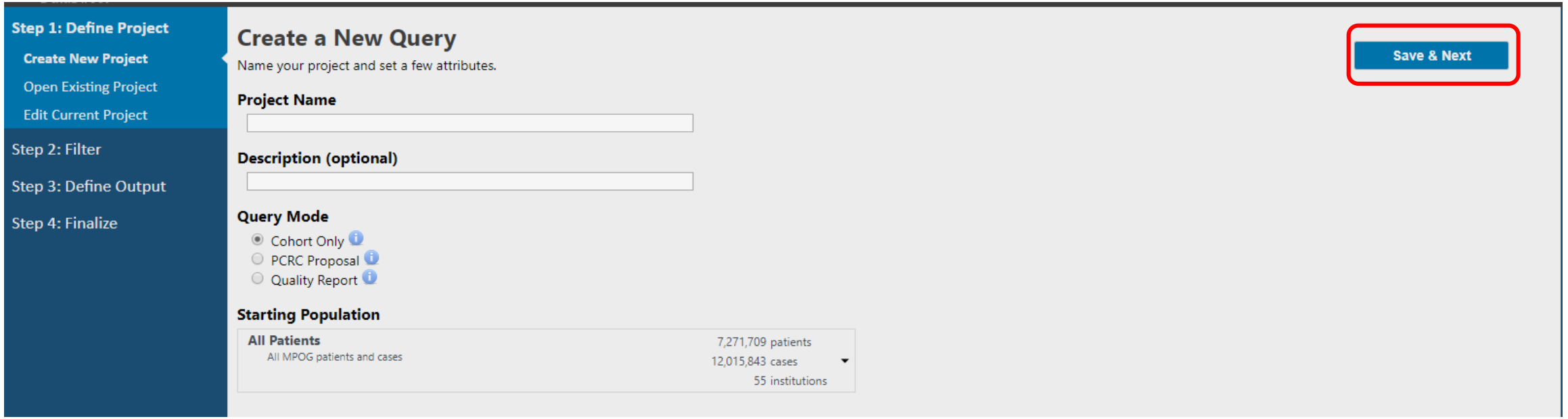
- New version provides step-by-step instructions for how to setup your query
- Task bar on the left side allows for easy navigation through the tool

STEP 1: Define your project

  - New
  - Open Existing
  - Edit Current



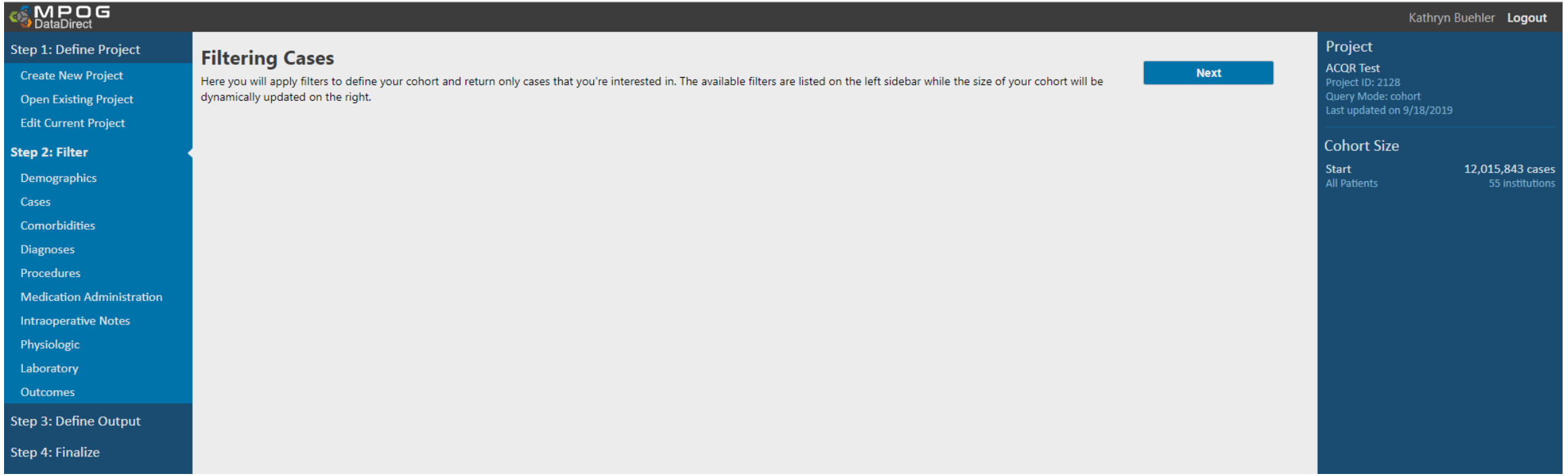
Creating a New Query



Query Modes

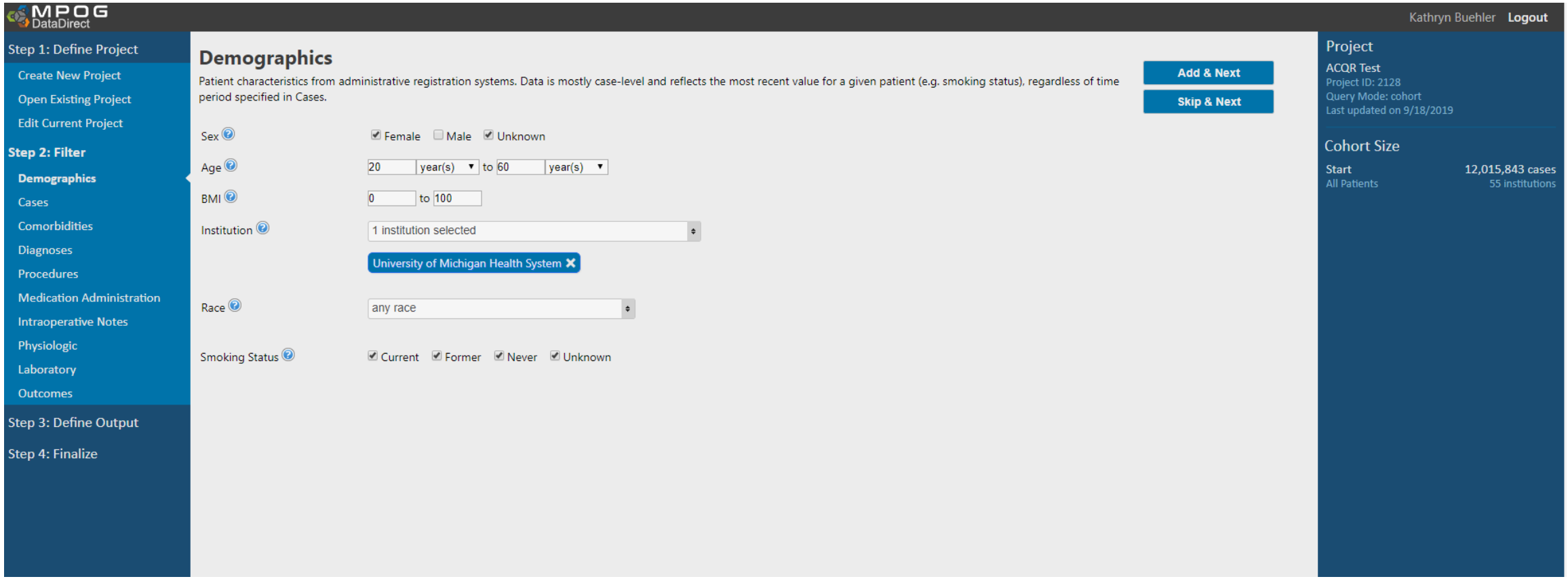
- Cohort Only: Results only include count of patients meeting query criteria; no ability to download data; no query spec generated
- PCRC Proposal (will actually be called: Single Center and Multi-center Research): Results include cohort counts with query spec; can download sample from own site only
- Quality Report: Cohort counts; query spec and download of site case list only

STEP 2: Filtering Cases

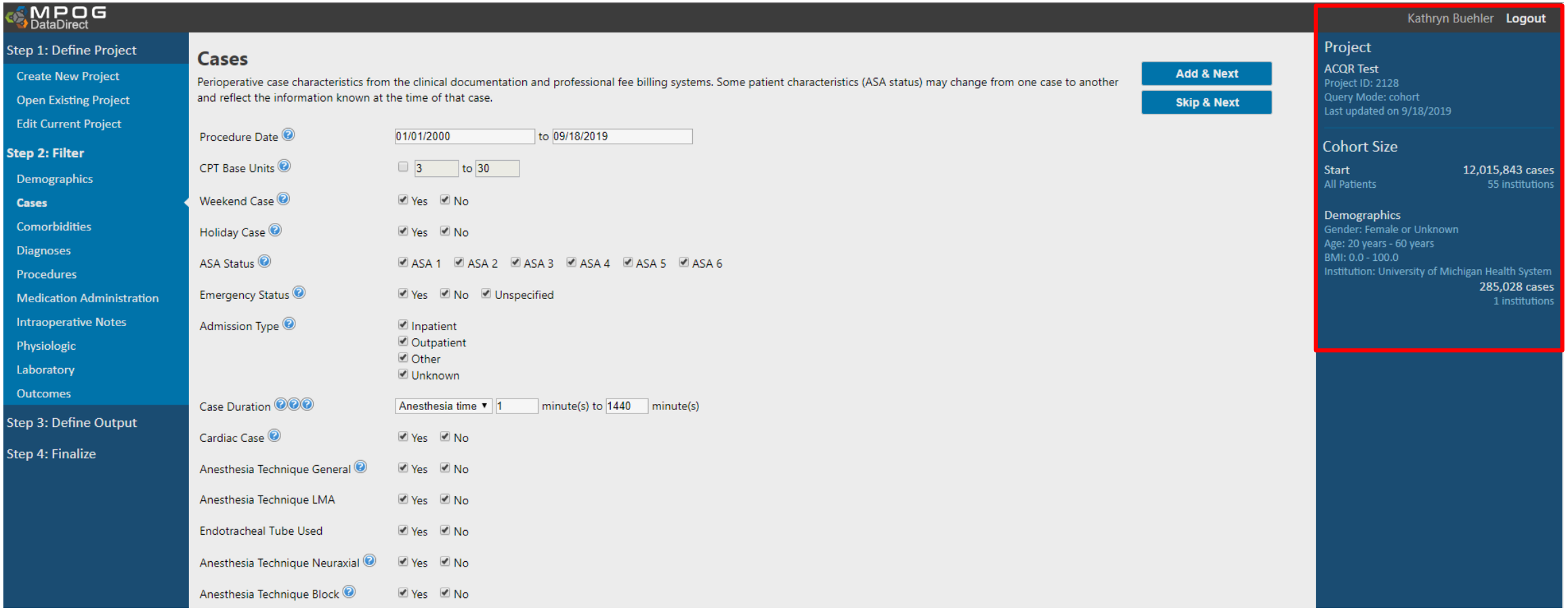


*Options: Can click the ‘Next’ button in the top right corner to continue moving through the steps or can go directly to the filter category by clicking on that header using the navigation bar on the left side of the screen

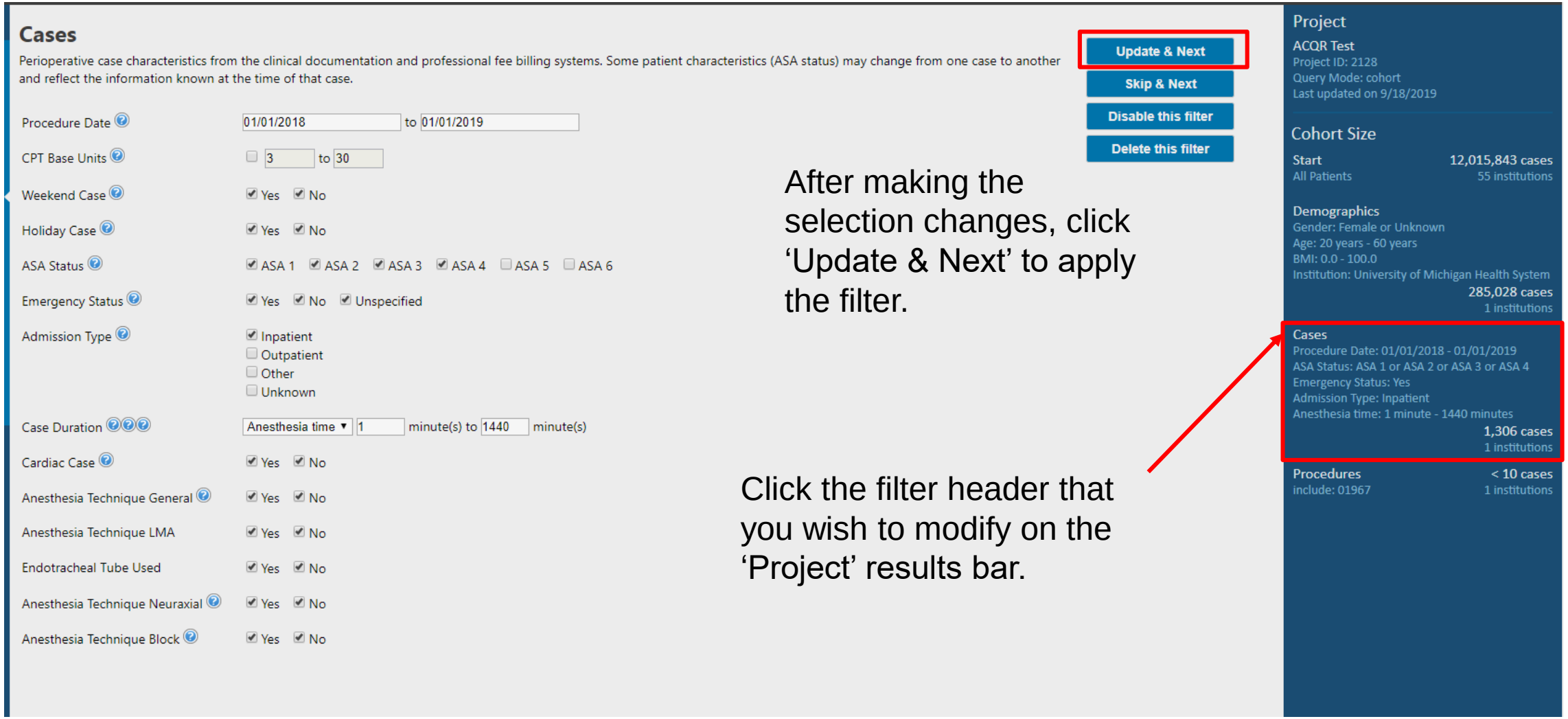
STEP 2: Filtering Cases- Demographics



STEP 2: Filtering Cases- Cohort refreshes as you add filters



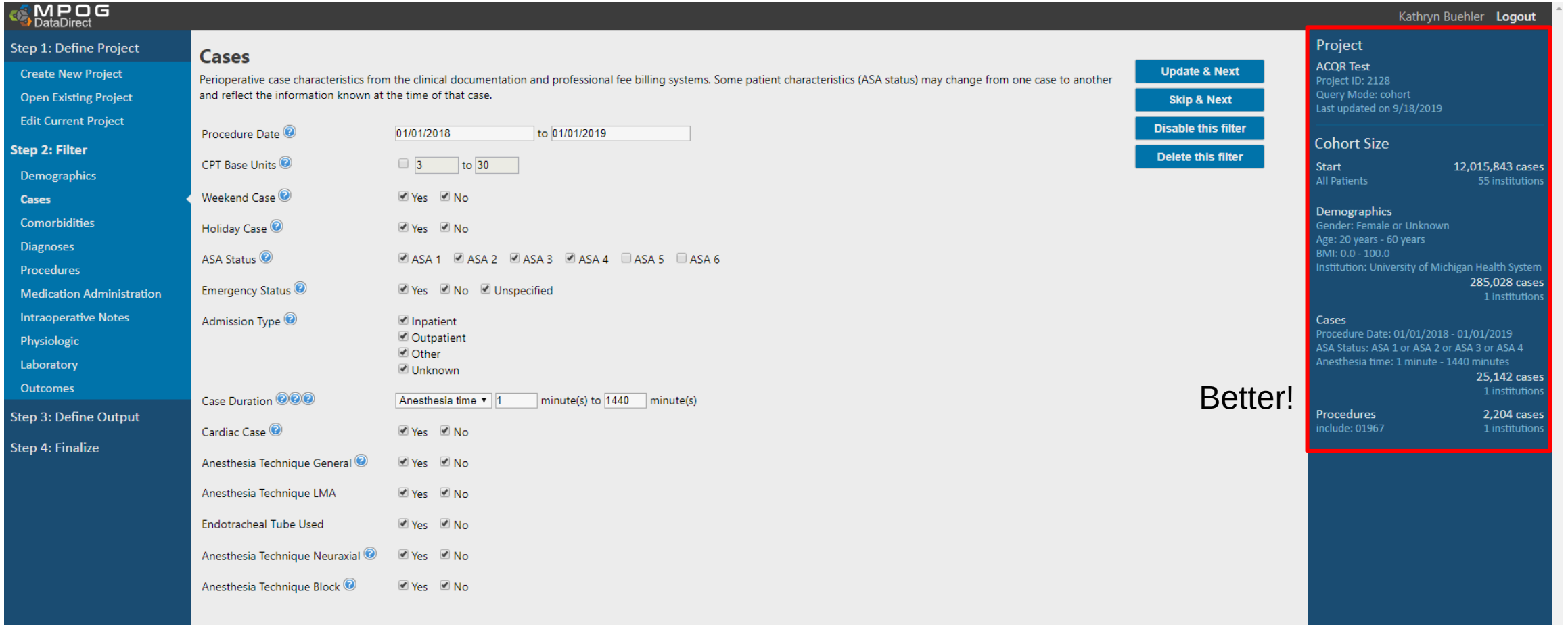
STEP 2: Filtering Cases- Modifying selected filters



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.

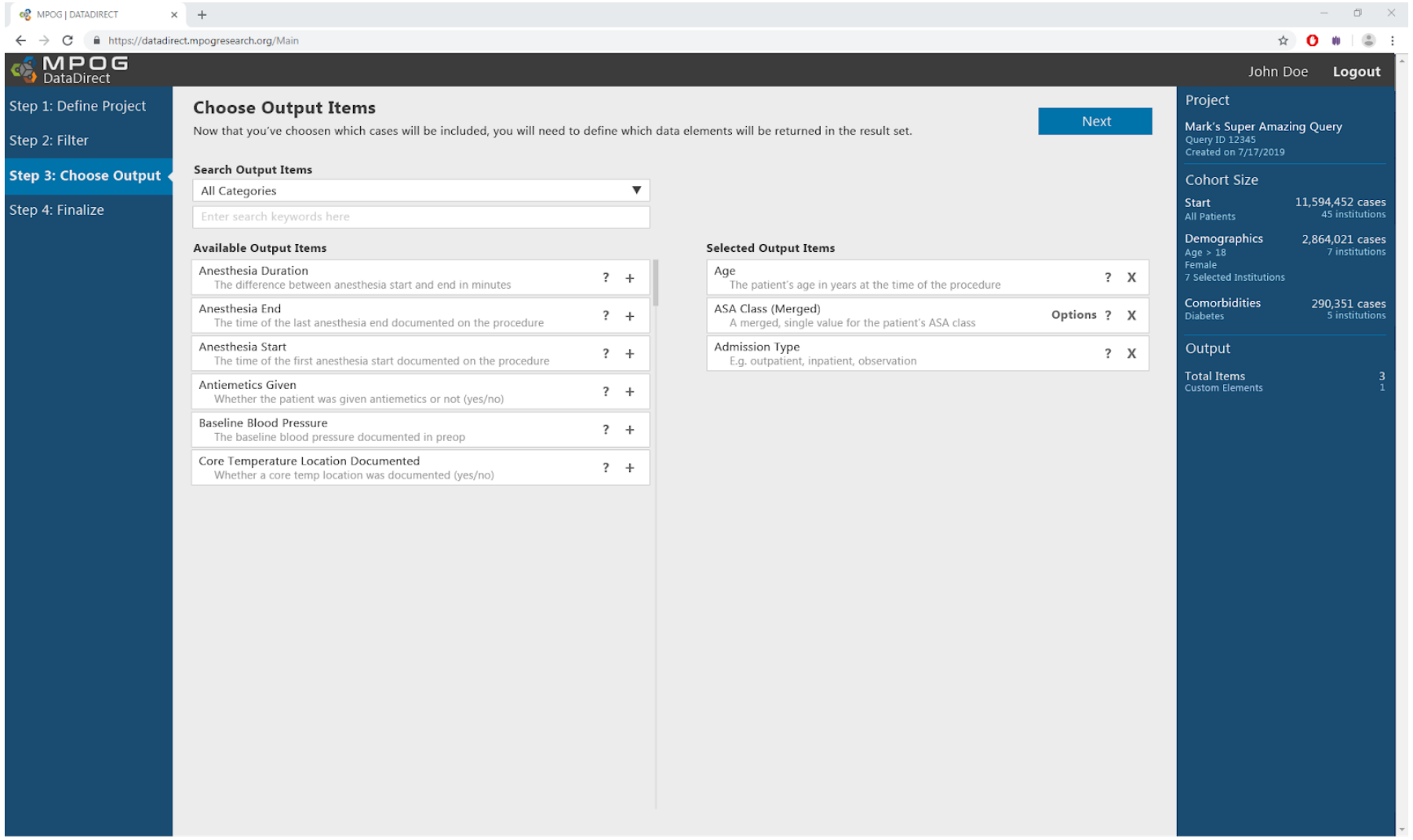
STEP 2: Filtering Cases- Modifying selected filters



STEP 2: Filtering Cases Summary

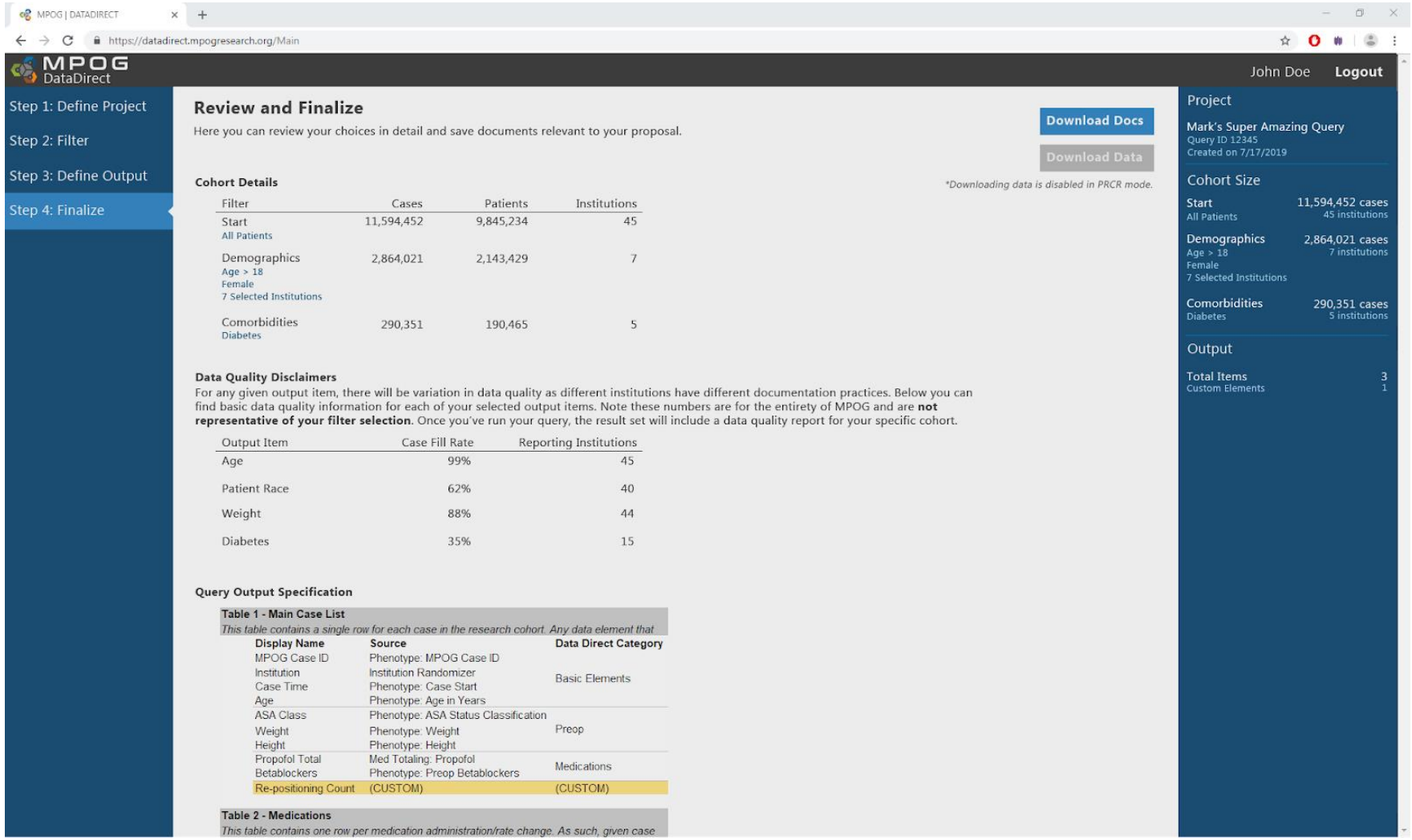
- Continue to add (or skip) filters as prompted by the step-by-step buttons in the top right corner OR use the navigation pane on the left
- As filters are added, counts for the cohort size will continue to refresh in the Summary Bar on the right side of the screen
- Click directly on the filter headers to modify previously selected filters
- Move on to Step 3 once filters are selected and cohort size seems plausible

STEP 3: Define Outputs



- Outputs = Column headers for your Excel file available for download
- All 'options' are available on the left side of the screen- click the (+) button to add to the right side of the screen
- Final selection of outputs are listed on the right, some are defaults that can be removed, if desired

STEP 4: Review and Finalize



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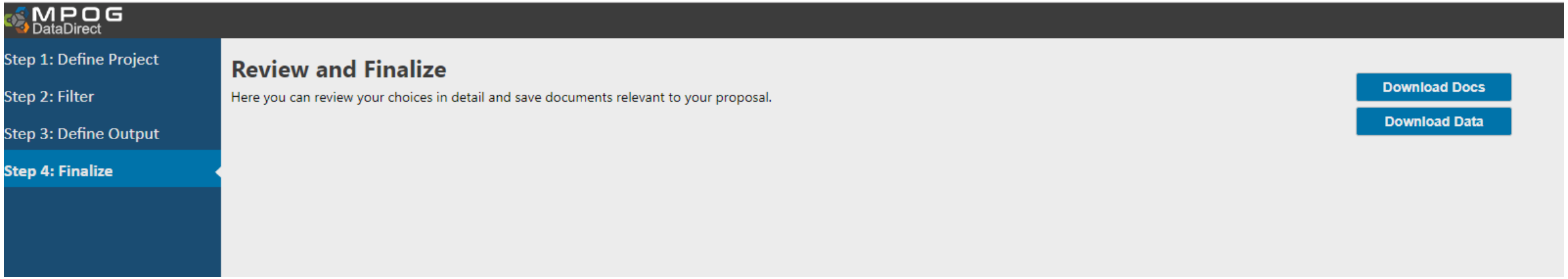

- Depending on the query mode selected, will have different options available:
- Download Docs (Research & Quality Report Modes):
  - PCRC proposal template with simplified query specification embedded (Word document)
  - Full query specification (Excel spreadsheet)
- Download Data: Output of your institution's data for the query (Quality Report Mode Only)
- Both: Quality Report Mode
- Neither: Cohort Only Report Mode

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Future Plans

- Full Disclosure: Steps 3 & 4 are just mock-ups at this point, may change slightly when actually built into the application
- Add quality measures and MPOG outcomes as additional filters
- Add Data Quality as one of the reports generated
  - Sample data
  - Fill rates
  - Data distribution
  - Reporting institutions
- Add option to set up repeat reporting (auto-sent via email)