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# QI Reporting Tool

Release – January 15, 2024

## Provider Summary Page

- Experience a revamped Provider Summary Page, now with more intuitive navigation and enriched data presentation. This update aims to make your data analysis both simpler and more insightful.

## Results Reasons Donut Chart

- Visualize your results in a more engaging and informative way with the new Results Reasons Donut Chart. This interactive chart allows you to quickly understand the distribution of different result reasons.

## Integration with MPOG Case Viewer

- Seamlessly navigate and gain comprehensive insights into your flagged cases with our integration with MPOG Case Viewer via the 'View Case' button. This feature allows you to review cases holistically, enhancing your ability to understand and improve patient outcomes.

## Provider Comparison graph

- Benchmark your performance against peers with the new Provider Comparison Graph. In this anonymized performance bar graph, see how you stack up against other providers with the same role at your own institution. For attendings, compare your performance (shown in blue) with other attending providers (displayed in gray).
- The provider comparison graph reveals performance differences among similar providers at your institution. Please note that the specifics of each measure (particularly the volume of cases in each measure) and provider factors can lead to outliers. These outliers might exaggerate the actual performance difference. Please interpret these graphs with these considerations in mind.
- Hovering over each bar to reveals detailed scores, providing a clear and precise understanding of your performance metrics. The anonymized format ensures privacy while enabling meaningful comparisons.

# Example Screenshot

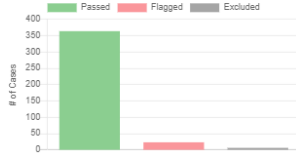
## BP-02: Avoiding Monitoring Gaps [More Info](#)

The percentage of cases that avoid blood pressure monitoring gaps > 10 minutes

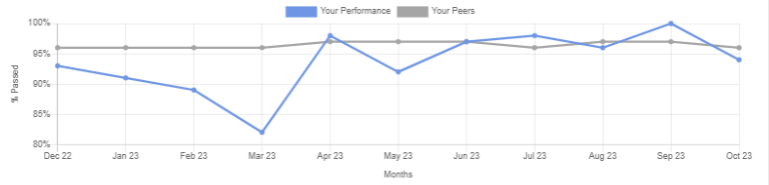
### Overall Score



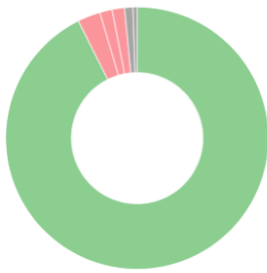
### Result Counts



### Performance Trend



### Result Reasons



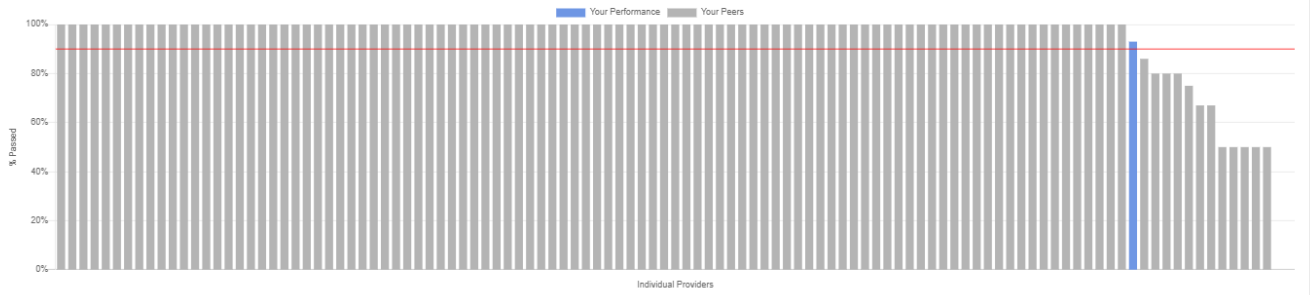
Result	Reason
Passed	BP Count
Flagged	BP Monitoring Gap (Last 30 Minutes)
Flagged	BP Monitoring Gap
Flagged	BP Monitoring Gap (First 30 Minutes)
Excluded	Provider Present During Evaluation Period
Excluded	Block Only Procedure
<b>Total</b>	

### My Flagged Cases

[View All Cases](#)

Case Count	View Case	Case Date	Procedure	Result Reason
364	<a href="#">View Case</a>			
11	<a href="#">View Case</a>			
6	<a href="#">View Case</a>			
6	<a href="#">View Case</a>			
4	<a href="#">View Case</a>			
2	<a href="#">View Case</a>			
<b>393</b>				

### Provider Comparison



**QI Reporting Tool**  
**Release – December 15, 2023**

**Case Attributes Filter**

- New filter bundle with case attributes including [Admission Status](#), [Anesthesia Technique](#), [Emergency Status](#), [Non-OR Anesthesia](#), [Surgical Service](#). See linked phenotype specifications for detailed logic used for each filter:

**Additional Filters**

+ Location

▼ Case Attributes

Admission Status +

Anesthesia Technique +

Emergency Status +

Non-OR Anesthesia +

Surgical Service +

➤ Demographics

Admission Status	-	<input type="checkbox"/> 23 Hour Observation
Anesthesia Technique	+	<input type="checkbox"/> Admit
Emergency Status	+	<input type="checkbox"/> Inpatient
Non-OR Anesthesia	+	<input type="checkbox"/> Outpatient
Surgical Service	+	<input type="checkbox"/> Other/Unknown

Anesthesia Technique	-	<input type="checkbox"/> General
Emergency Status	+	<input type="checkbox"/> MAC/Sedation
Non-OR Anesthesia	+	<input type="checkbox"/> Neuraxial
Surgical Service	+	<input type="checkbox"/> Peripheral Block

Emergency Status	-	<input type="radio"/> No
Non-OR Anesthesia	+	<input type="radio"/> Yes
Surgical Service	+	

Non-OR Anesthesia	-	<input type="radio"/> No
Surgical Service	+	<input type="radio"/> Yes

**Surgical Service Filter**

- New categories group 'like' surgical services

- >  Anesthesiology
- >  Cardiothoracic
- >  General
- >  Head and Neck
- >  Medical
- >  Neuro
- >  Not Specified
- >  Obstetrics / Gynecology
- >  Ophthalmology
- >  Orthopedics
- >  Plastics
- >  Radiology
- >  Urology

- Multi-select and 'select all' functionality added.

## Location Filter

- Multi-select functionality added to location filter

▼  Michigan Medicine (Health System)

- Briarwood Medical Group (Freestanding ASC)
- Brighton Health Center (Freestanding ASC)
- East Ann Arbor Health and Geriatric Center (Freestanding ASC)
- Kellogg Eye Center (Freestanding ASC)
- Livonia Health Center (Freestanding ASC)

▼  University of Michigan Medical Center (Hospital)

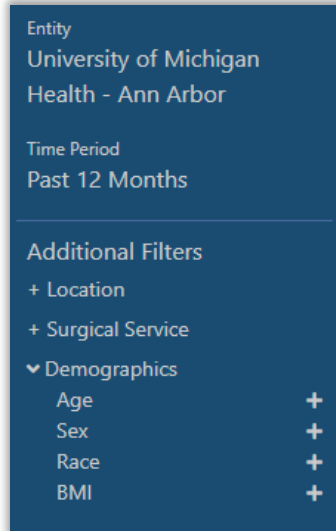
- >  CS Mott Children's Hospital (Building)
- >  Frankel Cardiovascular Center (Building)
- >  Rogel Cancer Center (Building)
- >  University Hospital (Building)
- >  Von Voigtlander Women's Hospital (Building)

[Apply](#)

**QI Reporting Tool**  
**Release – November 20, 2023**

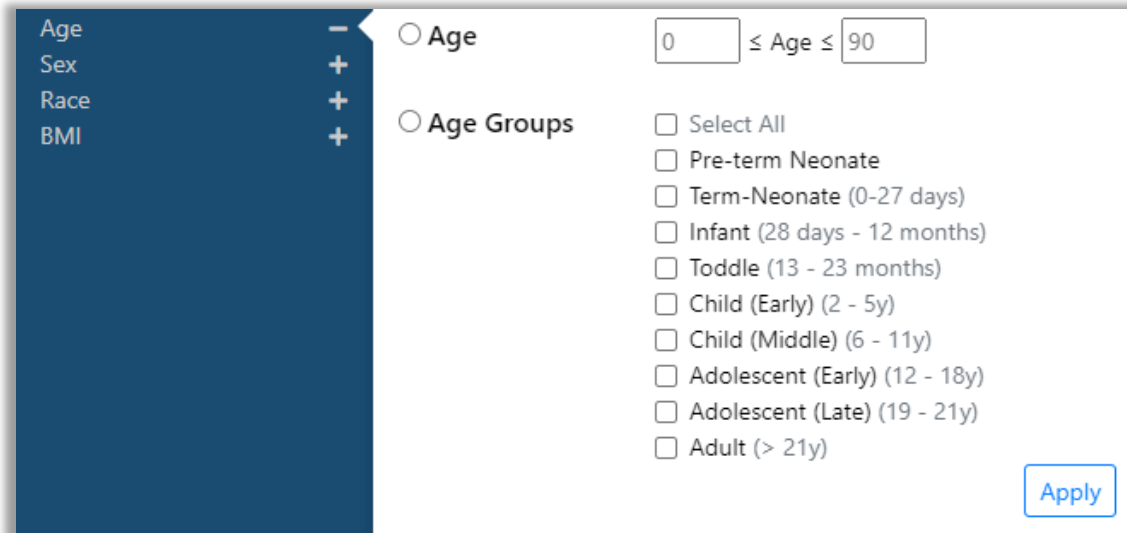
**Demographics Filter**

- New filter category Demographics added, which includes age, race, sex and BMI



**Age**

- Added custom age range as well as pre-determined age groups as specified in the [Age \(groups\) \(mpog.org\)](https://mpog.org) phenotype



## Sex

- Multi-select functionality added

A screenshot of a filter dropdown menu for 'Sex'. The menu is dark blue with a white background for the options. The 'Sex' option is highlighted in blue. To the right of the menu, there are three checkboxes: 'Male', 'Female', and 'Unknown'. An 'Apply' button is located at the bottom right of the dropdown.

## Race

- Multi-select functionality added

A screenshot of a filter dropdown menu for 'Race'. The menu is dark blue with a white background for the options. The 'Race' option is highlighted in blue. To the right of the menu, there are ten checkboxes: 'Select All', 'American Indian or Alaska Native', 'Asian or Pacific Islander', 'Bi or Multi Racial', 'Black, not of hispanic origin', 'Hispanic, black', 'Hispanic, white', 'Middle Eastern', 'Unknown race', and 'White, not of hispanic origin'. An 'Apply' button is located at the bottom right of the dropdown.

## BMI

- New filter that includes custom range or pre-determined BMI classifications as specified in the [WHO BMI Classification \(mpog.org\)](http://mpog.org) phenotype

A screenshot of a filter dropdown menu for 'BMI'. The menu is dark blue with a white background for the options. The 'BMI' option is highlighted in blue. To the right of the menu, there are two radio buttons: 'BMI' and 'WHO Classification'. The 'BMI' radio button is selected. Next to it is a range input field: '0.0 ≤ BMI ≤ 100.0'. Below the 'WHO Classification' radio button, there are seven checkboxes: 'Select All', 'Missing', 'Underweight (10 - 18.5)', 'Normal Weight (18.5 - 25)', 'Pre-obese (25 - 30)', 'Obese Class I (30 - 35)', 'Obese Class II (35 - 40)', and 'Obese Class III (40 - 80)'. An 'Apply' button is located at the bottom right of the dropdown.



## QI Reporting Tool

### Release – November 10, 2023

#### Outpatient Dashboard

- We are excited to introduce the new Outpatient Dashboard. This dashboard displays pertinent measure performance for outpatient and 23 hour observation cases as defined by the [Admission Type phenotype](#).
- Note: Due to how cases are scheduled, results may not reflect the admission status as documented in the electronic health record. Please refer to MPOG phenotype to review how admission types are classified.

#### Benchmark Graph

- Fixed the accuracy of the benchmark graph by ensuring the y-axis does not display values below 0%.

#### Trend Graph

- Addressed a display issue in the single month view of the Trend Graph. The filtered month now correctly appears as the last data point, providing more accurate and relevant data visualization.

## QI Reporting Tool

### Release – November 6, 2023

#### Provider List

- Improved navigation within the Provider List. Now, clicking on a provider's name will redirect you to a pre-filtered case list specific to that provider for more streamlined operations.
- Enhanced the Provider List export functionality. Provider first names and last names are now separated into distinct columns for better clarity and sorting capabilities.
- Updated the Provider List to correctly display Anesthesia Assistants as 'AAs' to align with the Provider Contacts' labeling, rectifying the previous designation as 'CRNAs'.

#### Cardiac Dashboard

- The Cardiac Dashboard's description has been modified to better reflect its current functionalities and uses.
- Updated the Cardiac Anesthesia specialty dashboard by removing TRAN 01 and TRAN 02 for a more accurate display of relevant data.

### Trend Graph

- Addressed an issue where the start and end dates were misaligned for a specific institution's data on the trend graph. Dates now align correctly across the graph for improved data integrity and analysis.

### Case List

- Fixed a search issue in the Case List. Searching by MPOG Case ID now returns the correct cases without error.
- All relevant cases are now properly displayed.

## QI Reporting Tool

Release – October 20, 2023

### Improved Navigation

- Vertical scroll bars have been added to dropdown menus for the measure summary, provider, and case list, enhancing navigation within these menus.

### Inactivity Logout

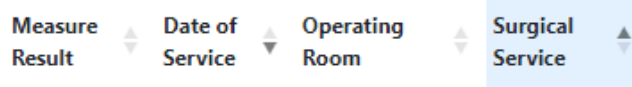
- Addressed a bug by increasing the inactivity logout timer from 30 minutes to 60 minutes to provide users with a more flexible session duration.

### Breakdown by Location Graph

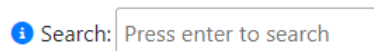
- The breakdown by location graph now shows case data at the hospital level rather than individual rooms.
- The default view now hides excluded case counts for a cleaner and more focused user interface.

### Case List

- Updated the data table message 'No data available' to display in the table body instead of the footer for improved user experience.
- Enhanced sorting and search functionality within the case list to provide users with a smoother navigation experience.
- Column header is highlighted to enhance visibility for users when they click on a column to sort.

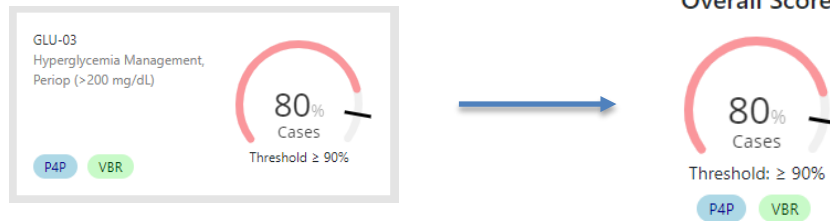


- Updated search functionality to enable users to search within four specific columns: Procedure, Attributable Attendings, Attributable CRNA/Resident, and MPOG Case ID.
- Added an info icon next to the search box, allowing users to access information about the four searchable columns by hovering over the icon.



## Measure Tags

- P4P/VBR/Outcome tags on the dashboard now seamlessly carry over to the measure summary page for better continuity.

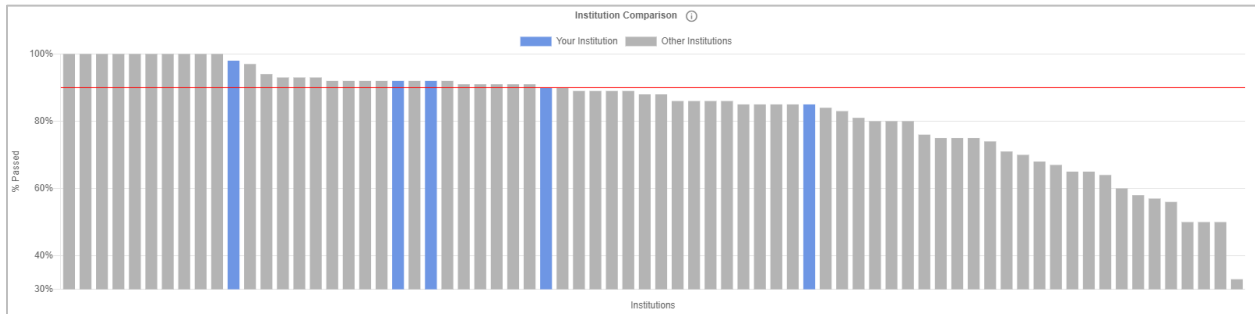


# QI Reporting Tool

## Release - September 25, 2023

### Benchmark Graph

- Filtering institution 'off' turns the bar grey instead of removing bar completely
- Hovering over blue institutions display hospital name; all other hospitals anonymized
- Health System dashboards now display all hospitals within that health system
- Info icon provides a chart description

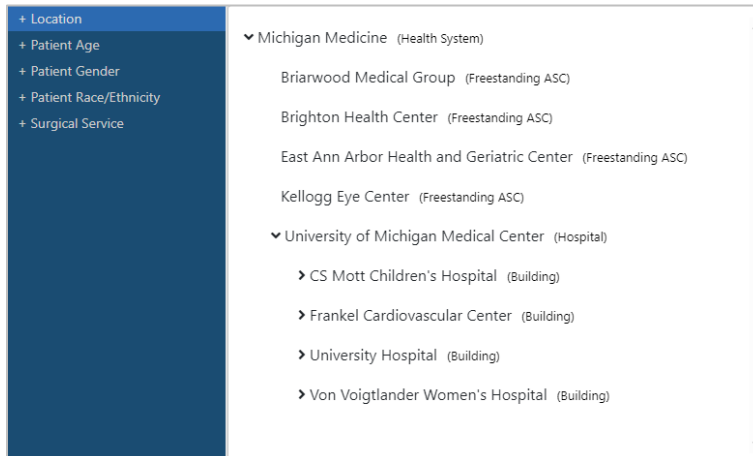


### Entity Selection

- Duplicate provider names removed from 'Find a provider' search
- Institution added next to provider name in 'Find a Provider'
- Spinning wheel added to 'Find a Provider' search bar to indicate loading

### Location Filter

- Locations displayed in tree structure. Duplicates removed



- Legacy alert if time period includes more than one database instance (ie legacy vs. IM)

- + Location
- + Patient Age
- + Patient Gender
- + Patient Race/Ethnicity
- + Surgical Service

**MPOG Alert**

The selected time period includes data from multiple versions of your hospital's electronic health record. Only data from the most current version, from 03/12/2023, is available. For more information please visit: [QL Locations](#)

### Case List

- Default view is Flagged cases only
- Faster load time. Updated to only load the cases chosen in the filter
- Removed attributable Attending/CRNA columns from 'departmental only' measures
- In the case list, to avoid duplicate cases, passed/flagged/excluded filters are locked until case list loads
- Result filters (passed/flagged/excluded) will remain when switching between measures

### Measure Summary - Trend Graph

- When time filter applied is limited to one month, trend graph will display previous 12 months.

