



Data Review: Case Viewer



Case Viewer Overview

The MPOG Case Viewer application displays individual case data in a standardized way, similar to an anesthesia information management system (AIMS) but agnostic to the electronic health record used by the participating site.



MPOG Case Viewer

(No case loaded) X +

Fast Case Lookup

Find a Specific Case

Enter patient ID / case ID / MRN

Case Search

Chart

Record Search

Administrative

H & P

Outcomes

Labs

Browse for Cases

Find cases by using one or more of the filters below.

- Age
- CPT Code
- ICD Code
- Institution
- Location
- Location Tag
- MPOG Concept ID
- Opened Date Range
- Primary Surgical Service
- Procedure Text
- Registry Data
- Room Name
- Surgery Date Range

Filter Shortcuts

Case Type	Patient Age	Date of Surgery	Recently Opened
Coronary Artery Bypass	Pediatric	May 2024	Today
Knee Arthroplasty	Adult	April 2024	Yesterday
Labor Analgesia		March 2024	This Week
Labor Epidural		Year to Date	Last Week
			May 2024
			April 2024

Enter Case List

Paste a list of MPOG Case IDs in the box below, each case on a separate line.

Import

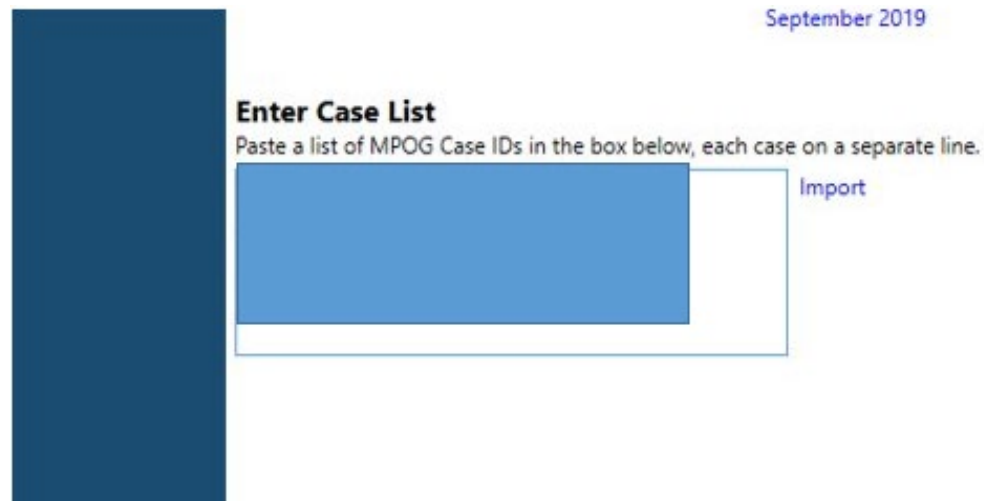
To open a case, search by MPOG Patient ID, MPOG Case ID, AIMS Case ID, or MRN in either location

Option to browse for cases by using one or more filters listed under “browse for cases”

Import or copy/paste a case list here if interested in viewing multiple specific cases from a list

View Multiple Cases from Case List

Enter a list of MPOG Case IDs in the box, one per line, and click “Import”. A case will open.



September 2019

Enter Case List
Paste a list of MPOG Case IDs in the box below, each case on a separate line.

Import

The screenshot shows a web interface with a dark blue sidebar on the left. The main content area has a header 'September 2019' in blue. Below it is a section titled 'Enter Case List' with a sub-instruction: 'Paste a list of MPOG Case IDs in the box below, each case on a separate line.' There is a large blue rectangular input field for pasting case IDs. To the right of the input field is a blue button labeled 'Import'.

Using the Case List

- Arrows appear along the bottom of the left hand column to scroll between cases. If a case number is known (ex: you want to go to case 50 of 100), use the text field to type the desired case number.
- When scrolling through cases using this feature, any 'Sections' opened in the case view (see 'Sections' slide) will remain open
- User will remain in the same section of the chart when scrolling between cases



Search by Filter

Browse for Cases

Find cases by using one or more of the filters below.

Age
CPT Code
ICD Code
Institution
Location
Location Tag
MPOG Concept ID
Opened Date Range
Primary Surgical Service
Procedure Text
Registry Data
Room Name
Surgery Date Range

Filter Shortcuts

Case Type	Patient Age	Date of Surgery	Recently Opened
Coronary Artery Bypass	Pediatric	May 2024	Today
Knee Arthroplasty	Adult	April 2024	Yesterday
Labor Analgesia		March 2024	This Week
Labor Epidural		Year to Date	Last Week
			May 2024
			April 2024

- **Age** – Search for cases by specific age ranges
- **CPT code** – Search for cases that include a specific CPT code.
- **ICD code** – Search for cases that include a specific ICD code
- **MPOG Concept ID** – Lists all cases that have a specific MPOG concept documented.
 - Without other filters, searching by MPOG Concept ID may take awhile. Consider adding a date range filter.
- **Location** – Allows users to search for procedures done at a specific location at their site based on Location Mapping (Module: Getting Started: Location Mapping)
- **Location Tag** – Allows users to search by tags applied in Location Mapping
- **Opened Date Range** - This will generate a list of cases that the user previously opened during that time period.
- **Primary Surgical Service** – Allows users to search by the primary surgical service associated with each case
- **Procedure Text** – Searches for matches in the Procedure Text field associated with a case (e.g., CABG)
- **Registry Data** – Lists all cases that include data from MSQC, NSQIP, STS Adult Cardiac, STS Congenital Heart and STS General Thoracic
- **Room Name** – Allows user to search for cases based on room (based on room names in Location Mapping)
- **Surgery Date Range** – Search for cases that occurred between specific dates.

Search By Filter

Browse for Cases

Find cases by using one or more of the filters below.

Age From 50 to 90 years old ✕

[CPT Code](#)

[ICD Code](#)

[Institution](#)

[Location](#)

[Location Tag](#)

MPOG Concept ID

3011 ✕

Warning: Without other filters, searching by MPOG Concept ID can be slow and may time out. Consider adding date range filter.

[Opened Date Range](#)

Primary Surgical Service

Cardiac ✕

[Procedure Text](#)

[Registry Data](#)

[Room Name](#)

Surgery Date Range

From 9/1/2023 ✕

To 12/31/2023

Filter Shortcuts

Case Type

[Coronary Artery Bypass](#)

[Knee Arthroplasty](#)

[Labor Analgesia](#)

[Labor Epidural](#)

Patient Age

[Pediatric](#)

[Adult](#)

Date of Surgery

[May 2024](#)

[April 2024](#)

[March 2024](#)

[Year to Date](#)

Recently Opened

[Today](#)

[Yesterday](#)

[This Week](#)

[Last Week](#)

[May 2024](#)

[April 2024](#)

Multiple filters may be applied at a time to narrow down a case list. The “Search Results” pane will automatically update a list of cases as filters are added.

The screenshot displays the MPOG Case Viewer interface. On the left, a sidebar contains navigation options: Fast Case Lookup, Case Search, Chart, Record Search, Administrative, H & P, Outcomes, and Labs. The main area is titled "Find a Specific Case" and includes a search input field for patient ID, case ID, or MRN. Below this, the "Browse for Cases" section offers various filters, with "Primary Surgical Service" highlighted in a red box. A dropdown menu is open for this filter, showing a list of surgical services, with "General" selected and highlighted in a red box. Other filters include "Procedure Text", "Registry Data", and "Surgery Date Range". The "Filter Shortcuts" section lists case types like "Coronary Artery Bypass" and "Knee Arthroplasty". At the bottom, there is an "Enter Case List" section with a text input field. On the right, a "Search Results" table is shown with columns for Case Time, Service, Patient Age, Procedure, and Institution. The table is currently empty, displaying the message "No results found. Please try another search."

To search cases by filter, click the filter name and supply any necessary information.

For example, to find a General Surgery case from September, click “Primary Surgical Service” and choose General from the dropdown box.

The screenshot shows the MPOG Case Viewer interface. On the left is a navigation menu with options like 'Fast Case Lookup', 'Case Search', 'Chart', 'Record Search', 'Administrative', 'H & P', 'Outcomes', and 'Labs'. The main area is divided into sections: 'Find a Specific Case' with a search bar, 'Browse for Cases' with various filter categories (Age, CPT Code, ICD Code, Location, etc.), 'Filter Shortcuts' with a table of filters, and 'Enter Case List' with a text input field. On the right is a 'Search Results' pane showing a table of cases.

Case Time	Service	Patient Age	Procedure	Room
09-01-2023 09:59	General			
09-01-2023 15:00	General			
09-01-2023 10:10	General			
09-01-2023 13:18	General			
09-01-2023 07:30	General			
09-01-2023 07:30	General			
09-01-2023 11:03	General			
09-01-2023 12:05	General			
09-01-2023 14:00	General			
09-01-2023 15:42	General			
09-01-2023 18:59	General			
09-02-2023 07:30	General			
09-02-2023 09:00	General			
09-02-2023 08:30	General			
09-02-2023 12:25	General			
09-02-2023 17:00	General			
09-03-2023 07:59	General			
09-03-2023 09:30	General			
09-03-2023 11:00	General			
09-03-2023 10:25	General			
09-03-2023 01:50	General			
09-03-2023 06:00	General			

Next, filter down to September cases by clicking “Surgery Date Range” and specifying 9/1/2023 to 9/30/2023.

Click ‘Enter’ to apply the filter

After these filters are applied, you can see General Surgery cases in September in the Search Results Pane to the Right



(No case loaded) x +

Fast Case Lookup

Find a Specific Case
 Enter patient ID / case ID / MRN

Case Search

Chart

Record Search

Administrative

H & P

Outcomes

Labs

Browse for Cases
 Find cases by using one or more of the filters below.

Age

CPT Code

ICD Code

Location

Location Tag

MPOG Concept ID x
 Warning: Without other filters, searching by MPOG Concept ID can be slow and may time out. Consider adding date range filter.

Opened Date Range

Primary Surgical Service

Procedure Text

Registry Data

Surgery Date Range

Filter Shortcuts

Case Type	Patient Age	Date of Surgery	Recently Opened
Coronary Artery Bypass	Pediatric	May 2022	Today
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			May 2022
			April 2022

Enter Case List
 Paste a list of MPOG Case IDs in the box below, each case on a separate line.

Import

“MPOG Concept ID” filter allows for finding cases based on one or multiple concepts being present on the case

To search by multiple concept IDs, use a comma between IDs

Opening a Case

- Double click or right click on a case in the Search Results pane to open. Case viewer will open to the “Chart” Tab. PHI has been removed for the purposes of this guide.



Case Time	Service	Patient Age	Procedure	Institution
08-26-2020 07:00				
09-02-2021 08:00				
07-28-2017 00:00				
09-16-2021 12:00				
10-18-2018 00:00				
08-15-2022 07:30				

Case Time	Service	Patient Age	Procedure	Institution
08-26-2020 07:00	Cardiac			
09-02-2021 08:00	Cardiac			
07-28-2017 00:00	Cardiac			
09-16-2021 12:00	Cardiac			
10-18-2018 00:00	Cardiac			
08-15-2022 07:30	Cardiac			



Chart View

MPOG Case Viewer

Fast Case Lookup

Case ID [x] + Copy

Institution

Time 01-01-2020 09:42 - 01-01-2020 11:58 (02 hours, 15 min)

Procedure

Case Search

Chart

Record Search

Administrative

H & P

Outcomes

Labs

Collapse All Expand All

Main Chart [-] Show Reference Line

- BP Sys Cuff
- BP Dias Cuff
- SpO2 Pulse Rate
- End Tidal CO2 (mmHg)

Times [-]

- Preop
- Anesthesia
- In Room
- Surgery

All Staff [-]

- Staff Level - Anesthesia Attending #1
- Staff Level - Anesthesia CRNA #1

Bolus Meds [-]

- DIPHENHYDRAMINE
- FENTANYL
- ONDANSETRON
- PROPOFOL
- ROCURONIUM
- SUGAMMADEX

Bolus Inputs [-]

- LACTATED RINGERS

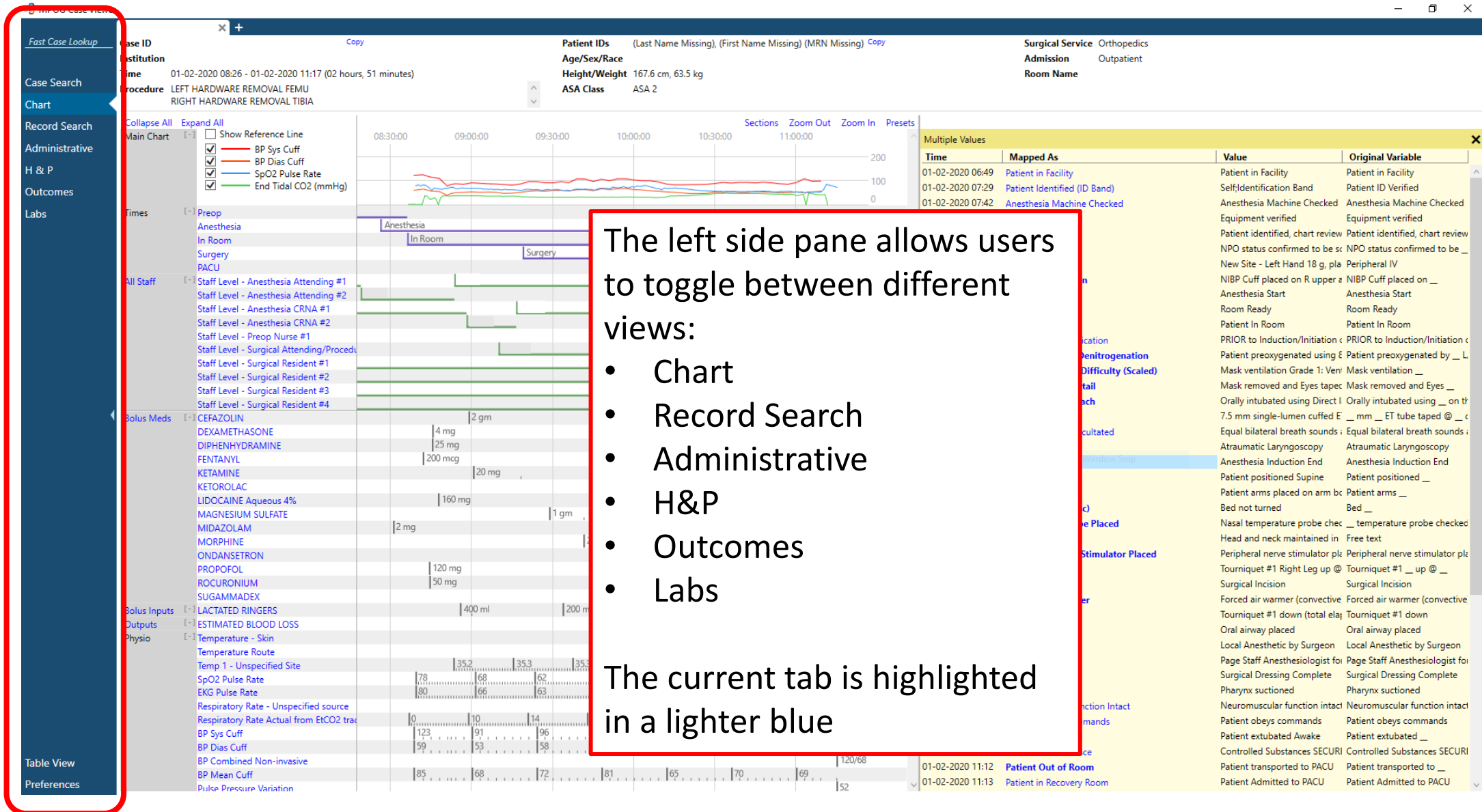
Physio [-]

- Temp 1 - Unspecified Site
- SpO2 Pulse Rate
- EKG Pulse Rate

To return to the case list generated in the previous step, click “Case Search” in the upper left hand corner at any time while the case is open

The white header at the top of the screen provides basic demographic information:

- MPOG Case ID
- Institution
- Procedure
- Patient Name and MRN
- Patient demographics (Age/Sex/Race)
- Height/Weight
- ASA Class
- Surgical Service
- Admission Status
- Room Name
- Date of Death (if known)



Record Search Collapse All Expa
Main Chart [-]
Administrative
H & P
Outcomes
Labs Times [-]
All Staff [-]
Bolus Meds [-]
Bolus Inputs [-]
Outputs [-]
Physio [-]

- For viewing on smaller laptop screens, the blue panel can be collapsed to save space by using the small arrow

MPOG Case Viewer

Fast Case Lookup

Case Search

Chart

Record Search

Administrative

H & P

Outcomes

Labs

Table View

Preferences

Case ID

Institution

Time 01-02-2020 08:26 - 01-02-2020 11:17 (02 hours, 51 minutes)

Procedure LEFT HARDWARE REMOVAL FEMU
RIGHT HARDWARE REMOVAL TIBIA

Patient IDs (Last Name Missing), (First Name Missing) (MRN Missing) Copy

Age/Sex/Race

Height/Weight 167.6 cm, 63.5 kg

ASA Class ASA 2

Surgical Service Orthopedics

Admission Outpatient

Room Name

Collapse All

Expand All

Show Reference Line

BP Sys Cuff

BP Dias Cuff

SpO2 Pulse Rate

End Tidal CO2 (mmHg)

08:30:00 09:00:00 09:30:00 10:00:00 10:30:00 11:00:00

Sections Zoom Out Zoom In Presets

Multiple Values

Time	Mapped As	Value	Original Variable
01-02-2020 06:49	Patient in Facility	Patient in Facility	Patient in Facility
01-02-2020 07:29	Patient Identified (ID Band)	Self-identification Band	Patient ID Verified
01-02-2020 07:42	Anesthesia Machine Checked	Anesthesia Machine Checked	Anesthesia Machine Checked
01-02-2020 07:42	Equipment Verified	Equipment verified	Equipment verified
01-02-2020 07:53	Patient Identified	Patient identified, chart review	Patient identified, chart review
01-02-2020 07:53	NPO Verification	NPO status confirmed to be s	NPO status confirmed to be _
01-02-2020 07:54	IV Access (Misc)	New Site - Left Hand 18 g, pla	Peripheral IV
01-02-2020 08:09	NIBP Cuff Location	NIBP Cuff placed on R upper a	NIBP Cuff placed on _
01-02-2020 08:26	Anesthesia Start	Anesthesia Start	Anesthesia Start
01-02-2020 08:31	Room Ready	Room Ready	Room Ready
01-02-2020 08:36	Patient in Room	Patient In Room	Patient In Room
01-02-2020 08:39	Pre-Induction Verification	PRIOR to Induction/Initiation c	PRIOR to Induction/Initiation c
01-02-2020 08:41	Preoxygenation/Denitrogenation	Patient preoxygenated using E	Patient preoxygenated by _ L
01-02-2020 08:44	Mask Ventilation Difficulty (Scaled)	Mask ventilation Grade 1: Ven	Mask ventilation _
01-02-2020 08:44	Eye Protection Detail	Mask removed and Eyes taped	Mask removed and Eyes _
01-02-2020 08:47	Intubation Approach	Orally intubated using Direct I	Orally intubated using _ on th
01-02-2020 08:47	Intubation Tube	7.5 mm single-lumen cuffed E	_ mm _ ET tube taped @ _ c
01-02-2020 08:47	Breath Sounds Auscultated	Equal bilateral breath sounds :	Equal bilateral breath sounds :
01-02-2020 08:47	Atraumatic	Atraumatic Laryngoscopy	Atraumatic Laryngoscopy
01-02-2020 08:47	Induction End	Anesthesia Induction End	Anesthesia Induction End
01-02-2020 08:52	Patient Position	Patient positioned Supine	Patient positioned _
01-02-2020 08:52	Arm Position	Patient arms placed on arm bc	Patient arms _
01-02-2020 08:52	Table Turned (Misc)	Bed not turned	Bed _
01-02-2020 08:52	Temperature Probe Placed	Nasal temperature probe chec	_ temperature probe checked
01-02-2020 08:53	Free Text Note	Head and neck maintained in	Free text
01-02-2020 08:55	Peripheral Nerve Stimulator Placed	Peripheral nerve stimulator pl	Peripheral nerve stimulator pl
01-02-2020 09:18	Tourniquet Up	Tourniquet #1 Right Leg up @	Tourniquet #1 _ up @ _
01-02-2020 09:18	Procedure Start	Surgical Incision	Surgical Incision
01-02-2020 09:28	Convective Warmer	Forced air warmer (convective	Forced air warmer (convective
01-02-2020 10:11	Tourniquet Down	Tourniquet #1 down (total elaj	Tourniquet #1 down
01-02-2020 10:30	Oral Airway Placed	Oral airway placed	Oral airway placed
01-02-2020 10:32	Local Infiltration	Local Anesthetic by Surgeon	Local Anesthetic by Surgeon
01-02-2020 11:00	Emergence (Misc)	Page Staff Anesthesiologist fo	Page Staff Anesthesiologist fo
01-02-2020 11:00	Procedure End	Surgical Dressing Complete	Surgical Dressing Complete
01-02-2020 11:06	Pharynx Suctioned	Pharynx suctioned	Pharynx suctioned
01-02-2020 11:10	Neuromuscular Function Intact	Neuromuscular function intact	Neuromuscular function intact
01-02-2020 11:10	Patient Obeys Commands	Patient obeys commands	Patient obeys commands
01-02-2020 11:10	Patient Extubated	Patient extubated Awake	Patient extubated _
01-02-2020 11:12	Controlled Substance	Controlled Substances SECURI	Controlled Substances SECURI
01-02-2020 11:12	Patient Out of Room	Patient transported to PACU	Patient transported to _
01-02-2020 11:13	Patient in Recovery Room	Patient Admitted to PACU	Patient Admitted to PACU

The tab across the top shows which case you have open. Users may open up to 4 cases at a time. The patient's age, gender, and institution appear in the tab. For the purposes of this training guide, PHI has been hidden, however

CEFAZOLIN

DEXAMETHASONE

DIPHENHYDRAMINE

FENTANYL

KETAMINE

KETOROLAC

LIDOCAINE Aqueous 4%

MAGNESIUM SULFATE

MIDAZOLAM

MORPHINE

ONDANSETRON

PROPOFOL

ROCURONIUM

SUGAMMADEX

LACTATED RINGERS

ESTIMATED BLOOD LOSS

Temperature - Skin

Temperature Route

Temp 1 - Unspecified Site

SpO2 Pulse Rate

EKG Pulse Rate

Respiratory Rate - Unspecified source

Respiratory Rate Actual from EtCO2 tra

BP Sys Cuff

BP Dias Cuff

BP Combined Non-invasive

BP Mean Cuff

Pulse Pressure Variation

Fast Case Lookup Case ID Institution Time 01-02-2020 08:26 - 01-02-2020 11:17 (02 hours, 51 minutes) Procedure LEFT HARDWARE REMOVAL FEMU RIGHT HARDWARE REMOVAL TIBIA

Patient IDs (Last Name Missing), (First Name Missing) (MRN Missing) Copy Age/Sex/Race Height/Weight 167.6 cm, 63.5 kg ASA Class ASA 2 Surgical Service Orthopedics Admission Outpatient Room Name

Chart Collapse All Expand All Show Reference Line BP Sys Cuff BP Dias Cuff SpO2 Pulse Rate End Tidal CO2 (mmHg)

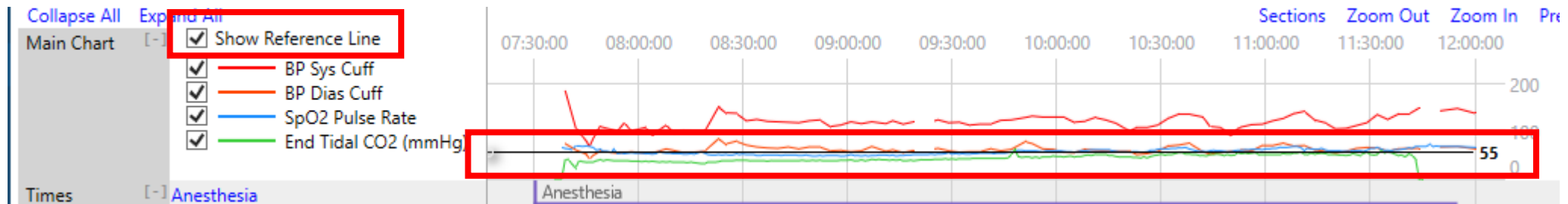
Multiple Values

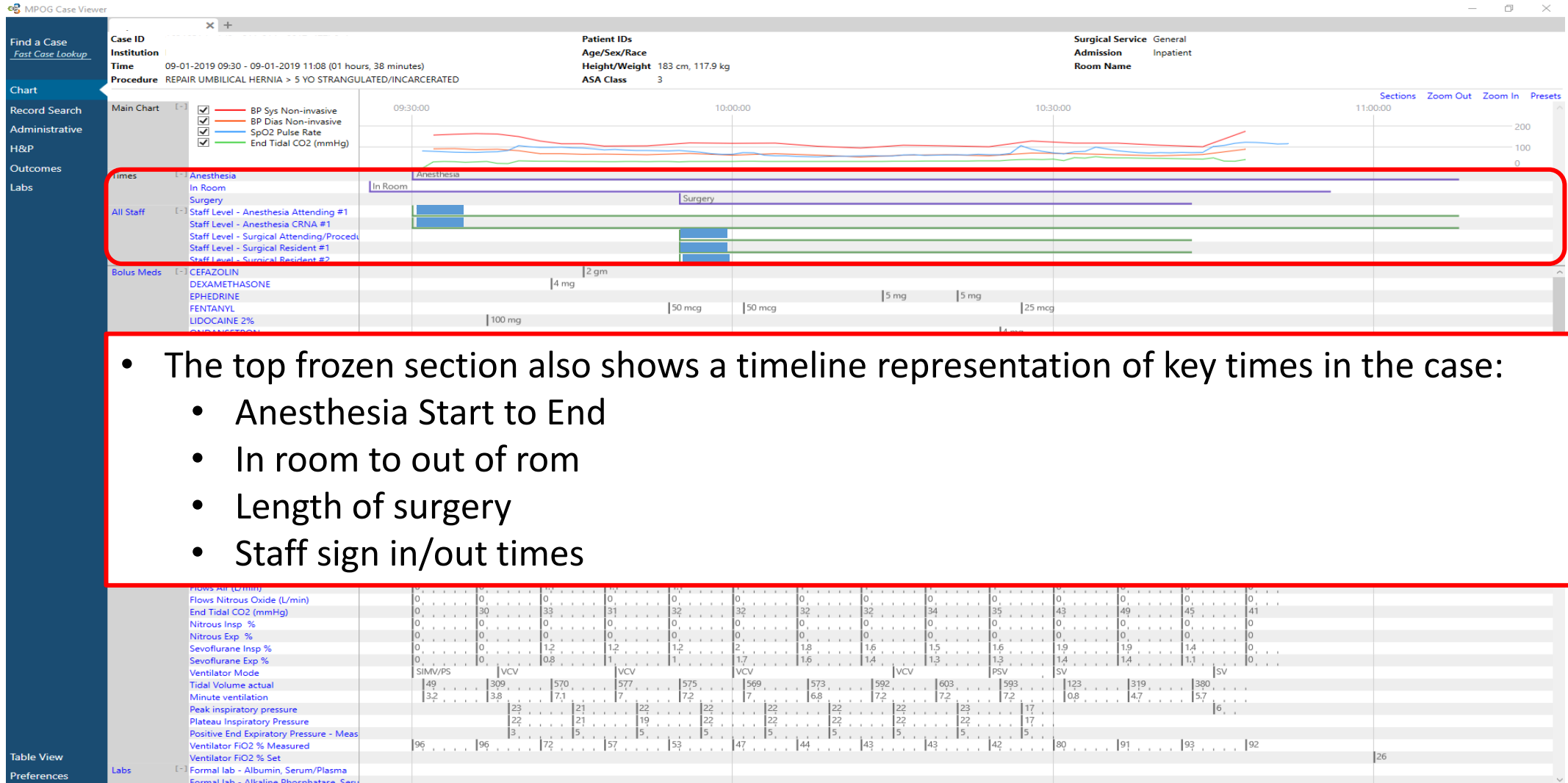
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01-02-2020 11:10	Patient Extubated	Patient extubated Awake	Patient extubated _
01-02-2020 11:12	Controlled Substance	Controlled Substances SECURI	Controlled Substances SECURI
01-02-2020 11:12	Patient Out of Room	Patient transported to PACU	Patient transported to _
01-02-2020 11:13	Patient in Recovery Room	Patient Admitted to PACU	Patient Admitted to PACU

- The top of "Chart" view shows physiologic data in a graphical format
- A key is available to the left
- This section is "frozen" meaning that as you scroll to see more data, the graph will remain at the top
- Use the [-] buttons to expand and collapse sections as needed



- Choosing “Show Reference Line” adds an adjustable horizontal line across the grid
- This can be adjusted by clicking moving up or down





- The top frozen section also shows a timeline representation of key times in the case:
 - Anesthesia Start to End
 - In room to out of rom
 - Length of surgery
 - Staff sign in/out times

MPOG Case Viewer

Fast Case Lookup

Case ID: Copy

Institution

Time

Procedure: MIDLINE MITRAL VALVE REPAIR OR REPLACEMENT
MIDLINE CORONARY ARTERY BYPASS GRAFT

Patient IDs: Patient IDs hidden Copy

Age/Sex/Race

Height/Weight

ASA Class: ASA 4

Surgical Service: Cardiac

Admission: Admit

Room Name: CVC-OR 04

Chart

Record Search

Administrative

H & P

Outcomes

Labs

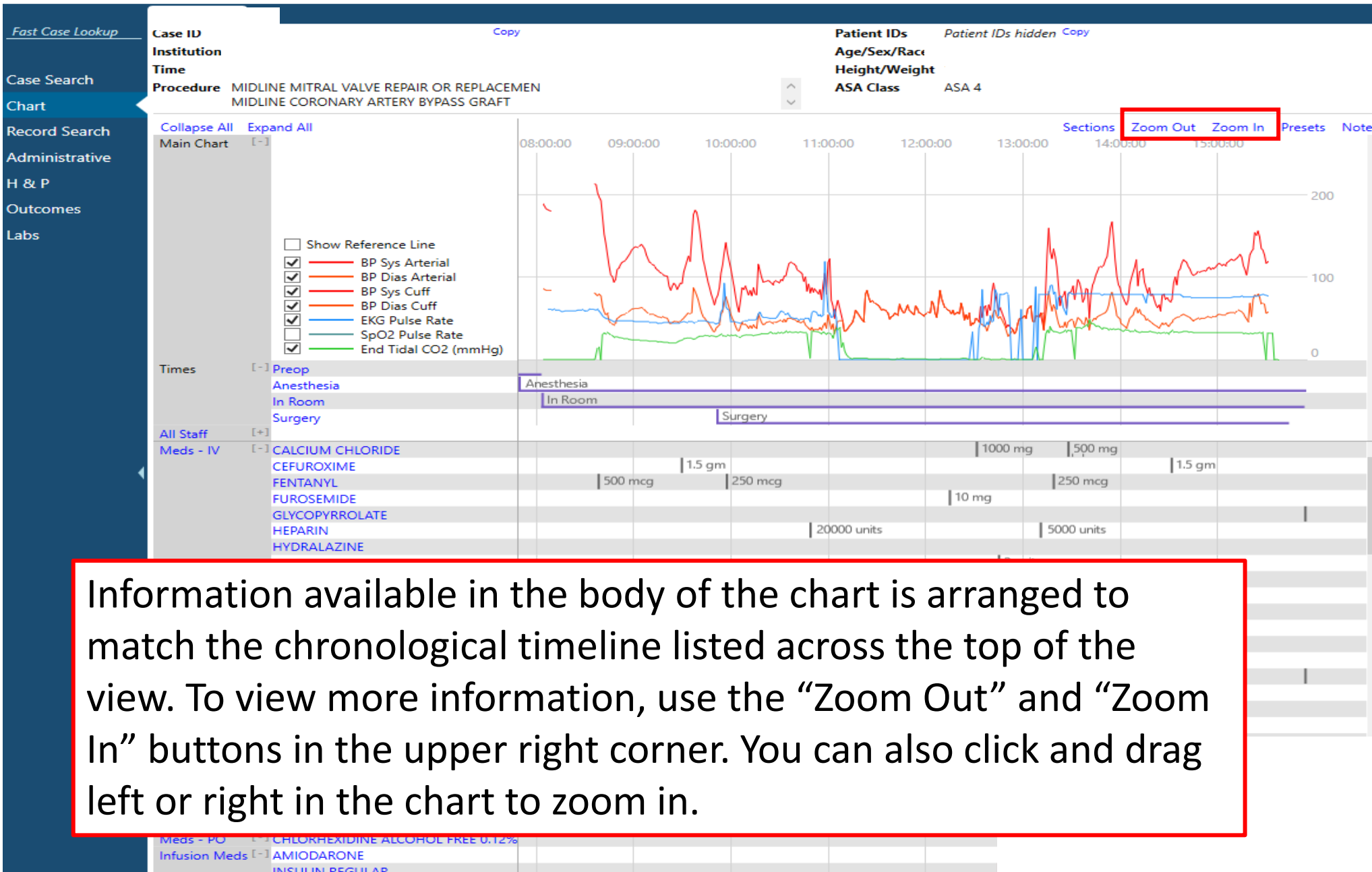
Multiple Values

Time	Mapped As	Value	Original Variable
10-12-2017 06:15	Patient in Facility	Patient in Facility	Patient in Facility
10-12-2017 06:17	Patient Available	Assigned PreOp	Assigned PreOp
10-12-2017 06:19	Anesthesia Machine Checked	Anesthesia Machine Checked	Anesthesia Machine Checked
10-12-2017 06:19	Equipment Verified	Equipment verified	Equipment verified

Show Reference Line
 BP Sys Arterial
 BP Dias Arterial
 BP Sys Cuff
 BP Dias Cuff
 EKG Pulse Rate
 SpO2 Pulse Rate
 End Tidal CO2 (mmHg)

Times [-] Preop
 Anesthesia
 In Room
 Surgery
 All Staff
 Meds - IV
 Meds - PO
 Infusion Meds

- The grey column to the left divides the case into the following sections:
 - Meds – separated by route (IV, IM, SQ, PO, Transdermal, Infusion, Epidural, etc.)
 - Inputs
 - Outputs
 - Physiologic
 - Ventilator
 - Flowsheet
 - Notes
 - Labs



Information available in the body of the chart is arranged to match the chronological timeline listed across the top of the view. To view more information, use the “Zoom Out” and “Zoom In” buttons in the upper right corner. You can also click and drag left or right in the chart to zoom in.

Fast Case Lookup

Case Search

Chart

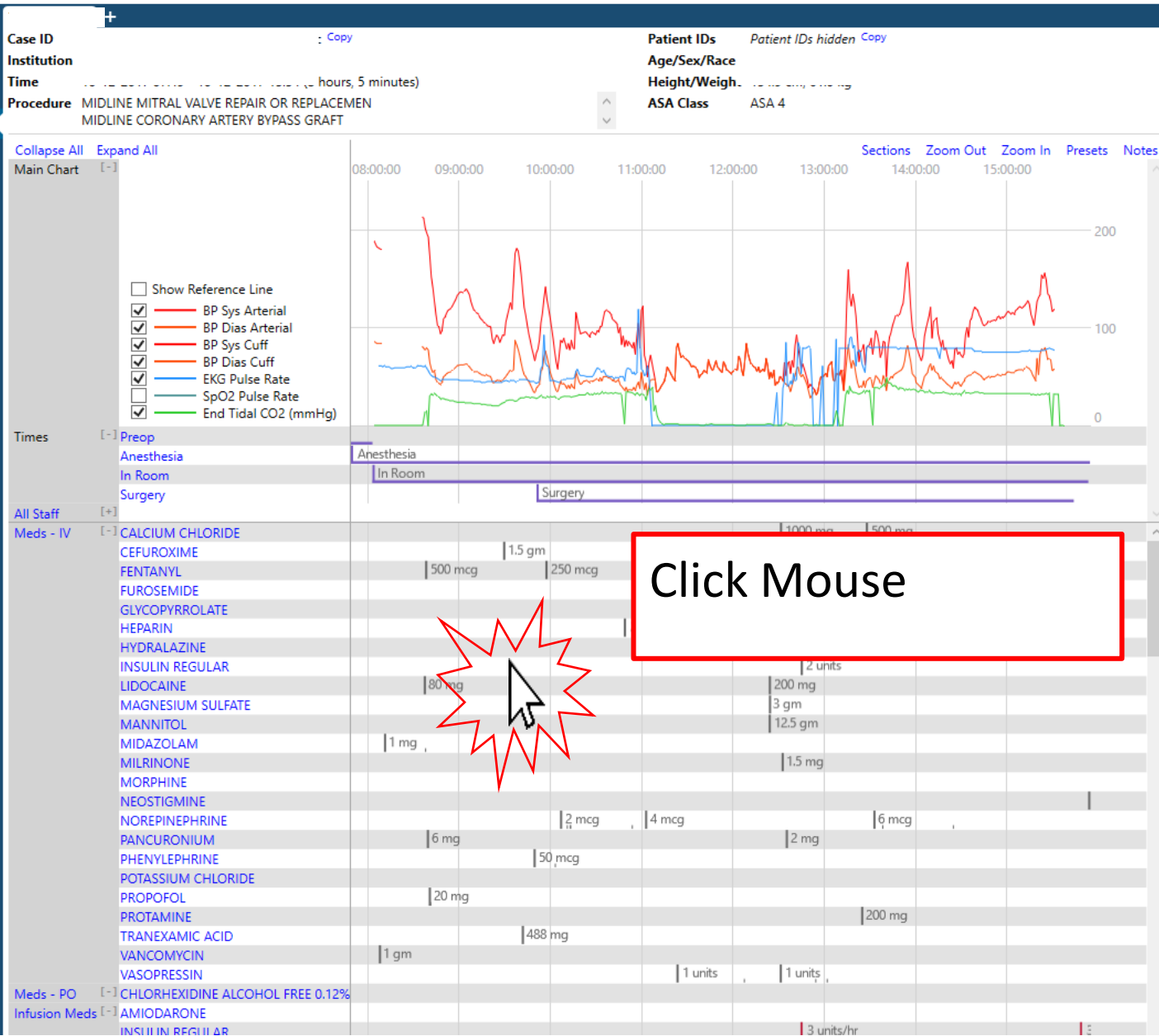
Record Search

Administrative

H & P

Outcomes

Labs

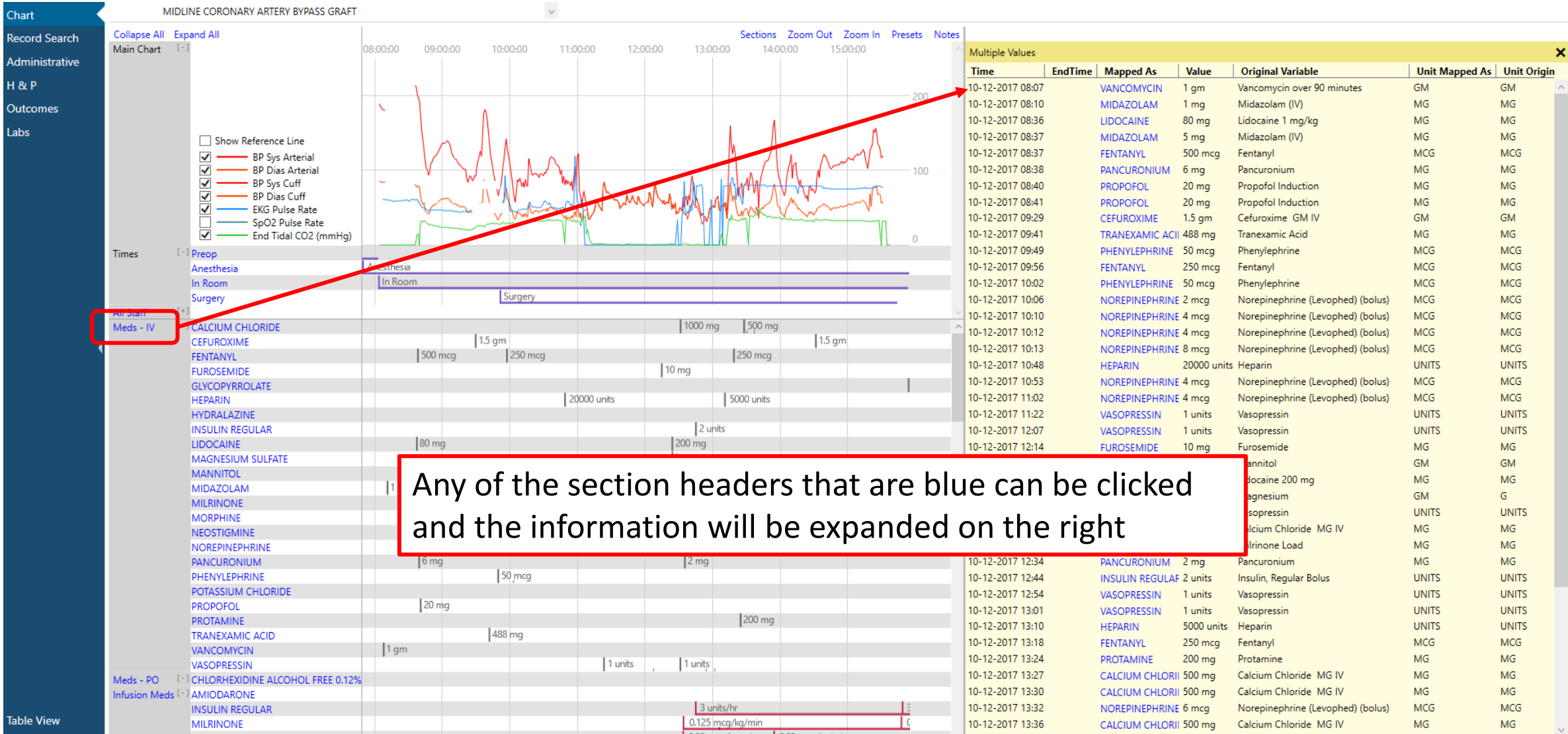


Click the middle button on the mouse and drag mouse left or right to zoom in or out



Tick marks on the flowsheet let users know that more information is available if you scroll in.





- Clicking a value brings up more information
- Allows for further drill down of the information

Medication

Back

Type LIDOCAINE 2%

Value 100 mg

Time 09-01-2019 09:37:00

End Time

Variable Mappings	Med Type	LIDOCAINE 2% 10250	Lidocaine 2% 20 mg/mL ERX-112130
	Unit	MG 1005	MG MG
	Route	IV 2001	INTRAVENOUS INTRAVENOUS

- Data in this view can also be sorted by clicking on the column header

Click header

Time	Mapped As	Value	Original Variable
10-23-2017 11:34	BP Sys Cuff	156	7
10-23-2017 11:36	BP Sys Cuff	176	7
10-23-2017 11:38	BP Sys Cuff	181	7
10-23-2017 11:39	BP Sys Cuff	170	7
10-23-2017 11:40	BP Sys Cuff	148	7
10-23-2017 11:42	BP Sys Cuff	134	7
10-23-2017 11:44	BP Sys Cuff	132	7
10-23-2017 11:46	BP Sys Cuff	126	7
10-23-2017 11:48	BP Sys Cuff	124	7
10-23-2017 11:50	BP Sys Cuff	113	7
10-23-2017 11:52	BP Sys Cuff	107	7
10-23-2017 11:54	BP Sys Cuff	104	7
10-23-2017 11:56	BP Sys Cuff	102	7
10-23-2017 11:58	BP Sys Cuff	106	7



Time	Mapped As	Value	Original Variable
10-23-2017 13:46	BP Sys Cuff	90	7
10-23-2017 12:50	BP Sys Cuff	90	7
10-23-2017 12:38	BP Sys Cuff	91	7
10-23-2017 12:28	BP Sys Cuff	92	7
10-23-2017 13:34	BP Sys Cuff	92	7
10-23-2017 12:26	BP Sys Cuff	92	7
10-23-2017 13:24	BP Sys Cuff	92	7
10-23-2017 13:44	BP Sys Cuff	93	7
10-23-2017 12:24	BP Sys Cuff	95	7
10-23-2017 13:58	BP Sys Cuff	95	7
10-23-2017 13:32	BP Sys Cuff	96	7
10-23-2017 13:12	BP Sys Cuff	97	7

Values sorted in order

Chart View – Infusion vs. Non-Infusion Administrations

- If an end time is not populated, infusion dose will continue until the start time of the next administration for the same medication.
- If an end time is not populated and there is not an additional administration, the infusion will continue until anesthesia end time.
- If the infusion start time is after anesthesia end and there is no documented infusion end time, it will default to 5 minutes later.
- If the administered unit is mapped to a concept that is over time (i.e., mcg/kg/min) it will be considered an infusion.
- If the administered unit is mapped to a concept that is not over time (i.e., mL) it will be considered a bolus

Time	EndTime	Mapped As	Value	Original Variable	Unit Mapped
01-13-2021 08:29	01-13-2021 08:41	PROPOFOL	50 mcg/kg/min	PROPOFOL	MCG/KG/MIN
01-13-2021 08:41	01-13-2021 09:11	PROPOFOL	80 mcg/kg/min	PROPOFOL	MCG/KG/MIN
01-13-2021 09:11	01-13-2021 09:35	PROPOFOL	75 mcg/kg/min	PROPOFOL	MCG/KG/MIN

Jan 13, 2021 (day of surgery)		Original Variable	Unit Mapped As	Unit Original Variable	
10:25	Anesthesia End	/min Phenylephrine	MCG/MIN	mcg/min	
01-13-2021 10:02	01-13-2021 10:25	PHENYLEPHRINE	50 mcg/min	Phenylephrine	MCG/MIN

Time	EndTime	Mapped As	Value	Original Variable	Unit Mapped As
01-16-2021 22:26	01-17-2021 06:23	PROPOFOL	15 mcg/kg/min	propofol (DIPRIVAN) injection	MCG/KG/MIN

Time	EndTime	Mapped As	Value	Original Variable	Unit Mapped As	Unit Original Variable
07-16-2021 10:21		DEXTROSE	50 ml	dextrose 5% infusion	ML	ML



- The notes pane can be quickly re-opened via the “notes” shortcut in the upper right-hand corner



- When applicable, the note entered time is available at the bottom of the yellow pane to compare differences between Observed Time and Entered Time
- Observed Time = The time the event/note happened
- Entered Time = The time the user entered in the information into the EHR

Intraop Note

[Back](#)

Concept	AACD Patient In Facility Date/Time						
Value	Patient in Facility						
Observed Time	11-29-2019 20:43						
Entered Time	12-01-2019 08:07						
Variable Mappings	<table border="1"> <thead> <tr> <th>Note Type</th> <th>Mapped As</th> <th>Original</th> </tr> </thead> <tbody> <tr> <td>AACD Patient In Facility Date/Time 50016</td> <td></td> <td>Patient in Facility 30594</td> </tr> </tbody> </table>	Note Type	Mapped As	Original	AACD Patient In Facility Date/Time 50016		Patient in Facility 30594
Note Type	Mapped As	Original					
AACD Patient In Facility Date/Time 50016		Patient in Facility 30594					

If you notice a gray box around the time in the note section, there is no Observed Time entered

10-13-2021 09:00 Ankle Block

Intraop Note

[Back](#)

Concept	Regional - Ankle Block
Value	Peripheral Block-anesthesia block type
Observed Time	

- Bolded “parent” notes have associated “child” detail notes. Clicking on a bolded note will give the additional details as well
- The original variable as well as the value are displayed in the note details

e	Mapped As	Value	Original Variable
9-2021 07:30	Eye Protection Detail	Mask removed and f	Mask removed and f
9-2021 07:32	Breath Sounds Auscultated	Equal bilateral breat	Equal bilateral breat
9-2021 07:32	Intubation Tube	8.0 mm Single-lume	__ mm __ ET tube tap
9-2021 07:32	Intubation Approach	Orally intubated usir	Orally intubated usir
9-2021 07:32	Atraumatic	Atraumatic Laryngos	Atraumatic Laryngos
9-2021 07:37	Bite Block Placed	TEE Plastic bite bloc	TEE __ bite block pla
9-2021 07:38	Anesthesia Procedure Start	Central Line placem	Central Line placem

Intraop Note

[Back](#)

Concept Intubation Tube Note

Value 8.0 mm Single-lumen cuffed ET tube taped @ 24 cm

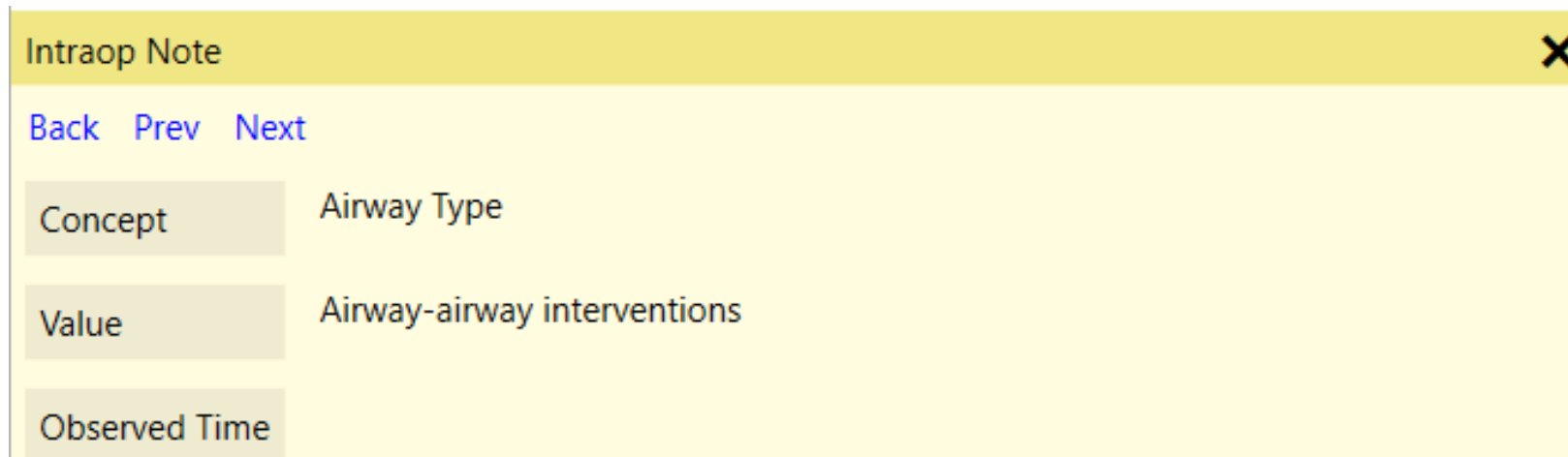
Observed Time 10-19-2021 07:32

Details

Concept	Original Variable	Value
Endotracheal Tube Type	ET Tube Type	Single-lumen cuffed
Endotracheal Tube Type	ET Tube Type	Single-lumen cuffed
Endotracheal Tube Size	ET Tube Size (mm)	8
Endotracheal Tube Secured	Taped at (cm)	21
Endotracheal Tube Size	ET Tube Size (mm)	8
Endotracheal Tube Secured	Taped at (cm)	24

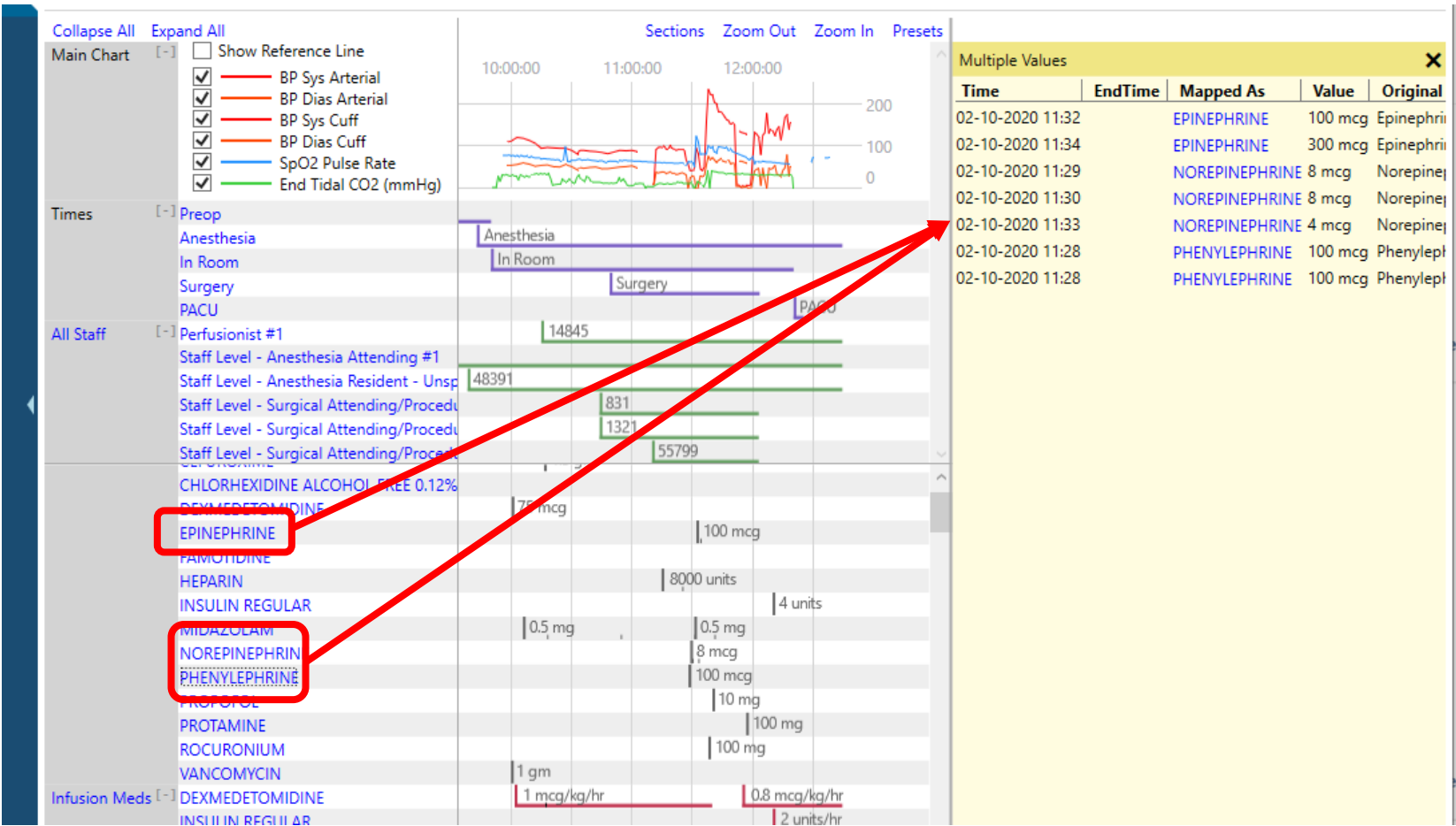
Navigating through notes

- 'Back' – Return to previous list or Parent Note
- 'Prev' – Go to the previous note in the list
- 'Next' – Go to the next note in the list



The screenshot shows a window titled "Intraop Note" with a close button (X) in the top right corner. Below the title bar, there are three navigation links: "Back", "Prev", and "Next". Below the navigation links is a table with three rows of data:

Concept	Airway Type
Value	Airway-airway interventions
Observed Time	



- Holding down 'Shift' and selecting multiple headers will open those headers together in the notes pane

- Data can be copied out of the yellow pane and pasted into Excel for purposes of chart review
- Highlight desired rows
- Use Ctrl + C to copy
- Use Ctrl + V to paste in Excel

om In Presets

Multiple Values

Time	Mapped As	Value	Original Variable
02-01-2020 07:39	EKG Pulse Rate	63	FLO-892
02-01-2020 07:40	EKG Pulse Rate	62	FLO-892
02-01-2020 07:41	EKG Pulse Rate	59	FLO-892
02-01-2020 07:42	EKG Pulse Rate	69	FLO-892
02-01-2020 07:43	EKG Pulse Rate	71	FLO-892
02-01-2020 07:44	EKG Pulse Rate	68	FLO-892
02-01-2020 07:45	EKG Pulse Rate	68	FLO-892
02-01-2020 07:46	EKG Pulse Rate	67	FLO-892
02-01-2020 07:47	EKG Pulse Rate	65	FLO-892
02-01-2020 07:48	EKG Pulse Rate	61	FLO-892
02-01-2020 07:49	EKG Pulse Rate	58	FLO-892
02-01-2020 07:50	EKG Pulse Rate	56	FLO-892
02-01-2020 07:51	EKG Pulse Rate	62	FLO-892

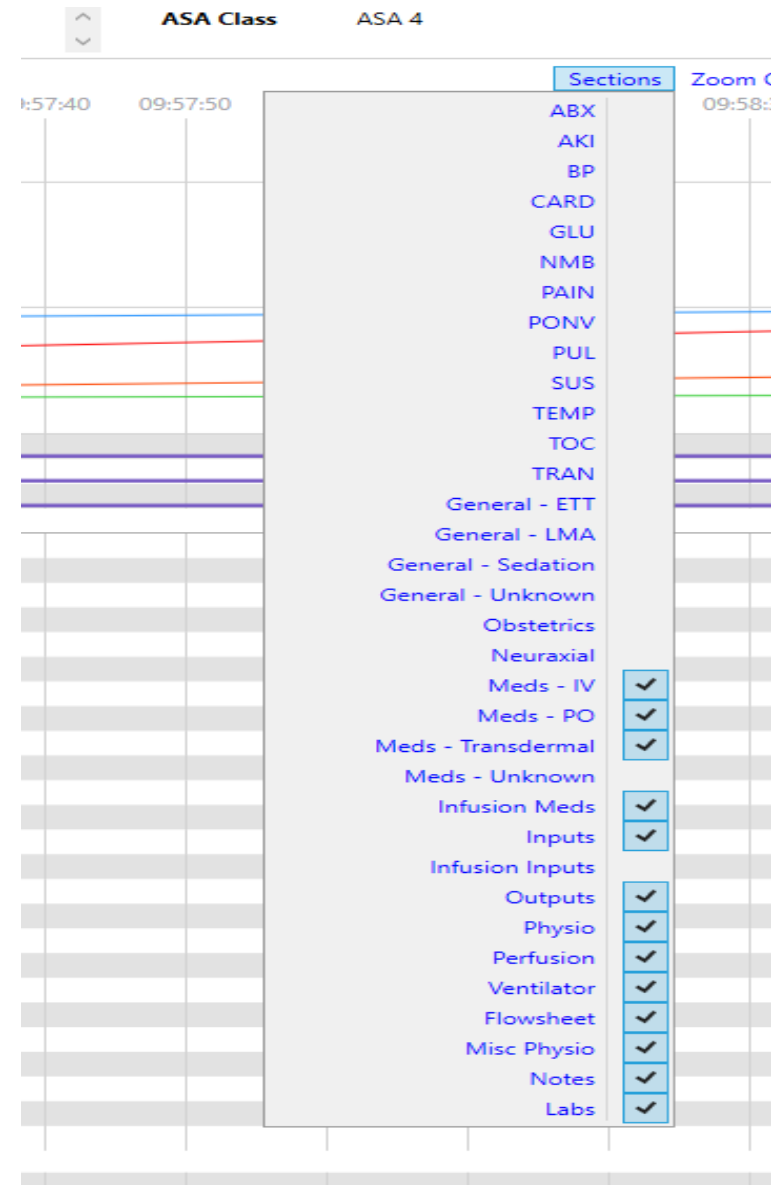


A1 2/1/2020 7:39:00 AM

	A	B	C	D	E	F
1	2/1/2020 7:39	EKG Pulse Rate	63	FLO-892		
2	2/1/2020 7:40	EKG Pulse Rate	62	FLO-892		
3	2/1/2020 7:41	EKG Pulse Rate	59	FLO-892		
4	2/1/2020 7:42	EKG Pulse Rate	69	FLO-892		
5	2/1/2020 7:43	EKG Pulse Rate	71	FLO-892		
6	2/1/2020 7:44	EKG Pulse Rate	68	FLO-892		
7	2/1/2020 7:45	EKG Pulse Rate	68	FLO-892		
8	2/1/2020 7:46	EKG Pulse Rate	67	FLO-892		
9	2/1/2020 7:47	EKG Pulse Rate	65	FLO-892		

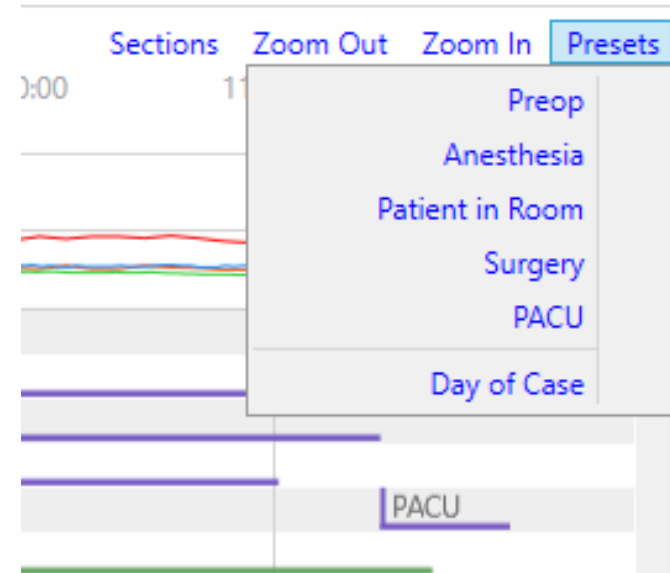
Sections Menu

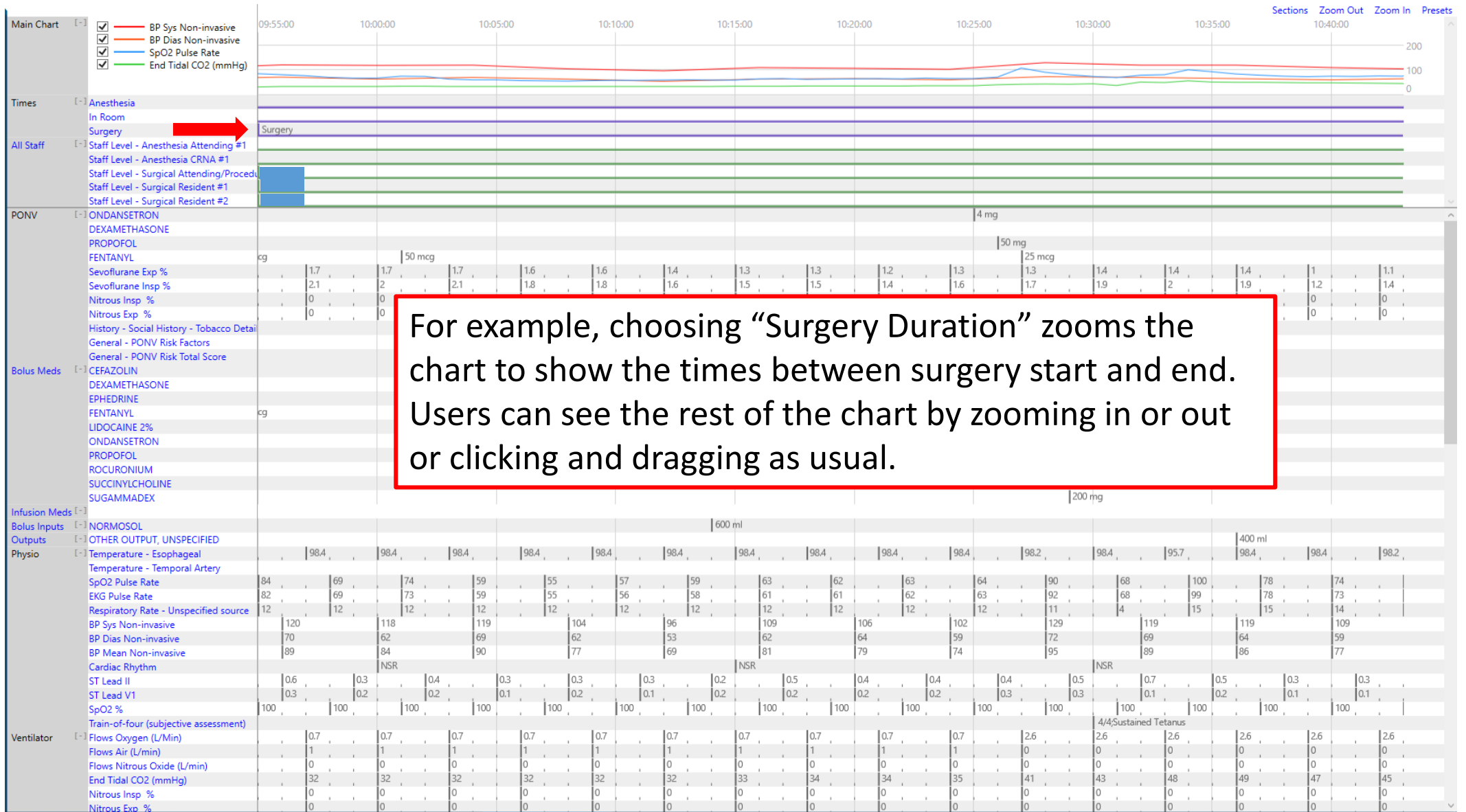
- Upper right hand corner
- Use to add and remove sections from the body of the chart as needed
- MPOG Measure related sections pull in a summary section of all relevant variables to complete chart review on those measures.



Preset Menu

- The “Preset” menu in the upper right corner shows users preset views of the chart based on their choice.





Record Search

- Next view available in the left pane
- Search relevant information, including by MPOG Concept ID (exact match required for Concept ID) and original variable ID/name
 - Use “mpog:” in front of a keyword in order to only consider the MPOG concept ID or name
 - Use “aims:” in front of a keyword in order to only consider the original variable ID or name
 - Use “value:” in front of a keyword in order to only consider the value of the record
- Temporarily save that information together in the “Shopping cart” to the right using the “+”
- Remove information from the shopping cart using the “X”

Chart

Record Search [\(What's This?\)](#) [Jump to surgery](#)

Administrative

H & P

Outcomes

Labs

May 01, 2021 (day of surgery)			
10:20	PROPOFOL	80 mg	+
10:21	PROPOFOL	20 mg	+
10:21	PROPOFOL	20 mg	+
10:23	PROPOFOL	20 mg	+

May 01, 2021 (day of surgery)			
10:20	PROPOFOL	80 mg	X

Record Search

- Search for multiple terms/variables at the same time using either a comma (,) or a pipe '|' symbol between variables
 - Hint: | is found on the same key as \, use 'Shift' to type |
- Ex: 50002 | 50003 | Propofol | lactated ringers
 - This will pull in everything mapped to those two concept IDs and everything including the words 'propofol' and 'lactated ringers'
- CTRL + Z will undo searches in record search

The screenshot displays a search interface with a sidebar on the left containing menu items: Record Search, Administrative, H & P, Outcomes, and Labs. The main content area shows the search criteria '50002 | 50003 | Propofol | lactated ringers' and a date filter for 'Feb 01, 2020 (day of surgery)'. Below this, a table of results is shown with columns for time, event name, and quantity, each with a plus sign for expansion.

Time	Event Name	Quantity	Action
07:30	Anesthesia Start	Anesthesia Start	+
07:30	Patient in Room	RN Documented In Room	+
07:39	PROPOFOL	150 mg	+
08:45	LACTATED RINGERS	800 ml	+
10:00	LACTATED RINGERS	50 ml	+
11:31	PROPOFOL	50 mg	+

Record Search

- Presets—clicking on this will show what preset options are available.
 - The preset options will auto populate the search area with all variables that are mapped to MPOG concept IDs related to the preset.
 - For example, the MPOG concept IDs under the GLU preset are:
10796|10797|3426|3361|3362|3405|5003|5036
|10152|10153|10229|10230|10231|10232|10233
|10460|10461|10462|10465|10466|10467|10468
|10469|10470|10471|10530|10539|10548|10558
|10559|10588|10594|10602|10659|10752|50012
|50304|6008|50301|50443|50011|50069|50110
|50211|10788|50016

The screenshot shows the Record Search interface. On the left is a dark blue sidebar with a list of categories: Record Search, Administrative, H & P, Outcomes, and Labs. The 'Record Search' category is selected. The main area has a search bar with the placeholder text 'Search here' and a link '(What's This?)'. Below the search bar is a dropdown menu with the following options: PAIN, PONV, GLU, NMB, TRAN, TEMP, BP, CARD, AKI, PUL, SUS, ABX, TOC, LMA, ETT, General, Sedation, Obstetrics, and Neuraxial. The 'GLU' option is highlighted. There is also a 'Jump to surgery' link in the top right corner.

The screenshot shows the Record Search interface with the search bar populated with the following text: 10796|10797|3426|3361|3362|3405|50 (What's This?) Presets. The 'Record Search' button is on the left.

Record Search

- Ctrl + Click or Shift + Click allows for multi-select and the ability to add more than one row of information into the “Shopping Cart”

Fentanyl

Dec 01, 2019 (day of surgery)

09:18	FENTANYL	50 mcg	+
09:40	FENTANYL	25 mcg	+
10:34	FENTANYL	25 mcg	+

Dec 01, 2019 (day of surgery)

09:18	FENTANYL	50 mcg	×
09:40	FENTANYL	25 mcg	×
10:34	FENTANYL	25 mcg	×

- Utilize Record Search to look at information relevant to a chart evaluation in one location

Chart
 Record Search
 Administrative
 H&P
 Outcomes
 Labs

PROCEDURE: REPAIR OMBILICAL HERNIA 2 TO STRANGULATED/INCARCERATED

anesthesia

Jan 01, 0001 No Valid Date Specified

00:00	Assessment and Plan - Anesthesia Technique	General	+
00:00	Misc Note	Placed by Anesthesia Team	+
00:00	Airway Manipulation	ANESTHESIA AIRWAY	+
00:00	Lines/Tubes/Drains (Misc)	ANESTHESIA PERIPHERAL IV	+

Sep 01, 2019 (day of surgery)

09:03	Assessment and Plan - Anesthesia Consent	Yes	+
09:03	Assessment and Plan - Anesthesia Consent	patient	+
09:29	Patient Identified	Immdt PreOp Assessment	+
09:30	Anesthesia Start	Anesthesia Start	+
09:30	Staff Level - Anesthesia Attending	10082	+
09:30	Staff Level - Anesthesia CRNA	2233144	+
09:37	Induction Start	Anesthesia Induction	+
09:41	Misc Note	Anesthesia Ready	+
10:43	Emergence (Misc)	Anesthesia Emergence	+
11:08	Anesthesia End	Anesthesia Stop	+
15:18	Administrative Note (Misc)	Post Anesthesia Note Sign	+

Sep 01, 2019 (day of surgery)

09:30	Anesthesia Start	Anesthesia Start	✘
09:37	PROPOFOL	200 mg	✘
10:26	PROPOFOL	50 mg	✘
11:08	Anesthesia End	Anesthesia Stop	✘

Record Search

- If a case is showing multiple search results from before the surgery date, choose “Jump to Surgery” to quickly scroll down to the day of the case

50069 | 50110 | 50211 | 50009 | 50067 [\(What's This?\)](#) [Jump to surgery](#)

Dec 23, 2015 (366 days before surgery)

05:21	Formal lab - Glucose, Serum/Plasma	300	+
08:30	POC - Glucose (Fingerstick)	235	+
12:26	POC - Glucose (Fingerstick)	246	+
17:25	POC - Glucose (Fingerstick)	262	+

Jan 19, 2016 (339 days before surgery)

15:27	POC - Glucose (Fingerstick)	388	+
17:39	POC - Blood gas - Glucose	345	+

Feb 12, 2016 (315 days before surgery)

11:23	POC - Glucose (Fingerstick)	58	+
12:25	Formal lab - Glucose, Serum/Plasma	85	+
12:25	Formal lab - Glucose, Serum/Plasma	85	+

Dec 23, 2016 (day of surgery)

21:11	POC - Glucose (Fingerstick)	322	+
22:24	Formal lab - Glucose, Serum/Plasma	289	+
22:24	Formal lab - Glucose, Serum/Plasma	289	+

00:47	POC - Glucose (Fingerstick)	244	+
00:47	POC - Glucose (Fingerstick)	244	+
04:15	POC - Glucose (Fingerstick)	197	+
04:15	POC - Glucose (Fingerstick)	197	+
06:59	POC - Glucose (Fingerstick)	148	+
06:59	POC - Glucose (Fingerstick)	148	+
07:02	Formal lab - Glucose, Serum/Plasma	149	+
07:02	Formal lab - Glucose, Serum/Plasma	149	+
11:35	POC - Glucose (Fingerstick)	143	+
11:35	POC - Glucose (Fingerstick)	143	+
12:57	Anesthesia Start	Anesthesia Start	+
14:35	Anesthesia End	Anesthesia Finish	+
15:41	POC - Glucose (Fingerstick)	176	+
15:41	POC - Glucose (Fingerstick)	176	+

Record Search

- Users can copy and paste select information from the “Shopping Cart” into an Excel file if needed
- Select the desired rows and use Ctrl + C to copy information
- In an Excel spreadsheet, Paste the information

Dec 01, 2019 (day of surgery)

09:18	FENTANYL	50 mcg	X
09:40	FENTANYL	25 mcg	X
10:34	FENTANYL	25 mcg	X

	A	B	C	D
1	12/1/2019 9:18	FENTANYL	50 mcg	
2	12/1/2019 9:40	FENTANYL	25 mcg	
3	12/1/2019 10:34	FENTANYL	25 mcg	
4				
5				
6				

Administrative

Chart
Record Search
Administrative
H & P
Outcomes
Labs

MIDLINE CORONARY ARTERY BYPASS GRAFT

Demographics

MPOG Patient ID
Diagnosis

AIMS Patient ID
AIMS Case ID
AIMS Encounter ID
AIMS Admission Type
AIMS Surgical Service
MPOG Surgical Service
Scheduled Time

Date of Birth

Location Hierarchy

Locations
Level 1
Level 2
Tag
Level 3
Level 4
Tag: Facility type - Acute care hospital
Tag: Other - Mixed use operating room

Combined Tags
Facility type - Acute care hospital
Other - Mixed use operating room

Professional Fee Billing

Procedure Codes (CPT) Required	Code	Description	Type	Case-Linked?	Start Time	End Time
	99204	Unknown Code	Unspecified Professional Fee		08-08-2017 00:00	08-08-2017 15:48
	99204	Unknown Code	Unspecified Professional Fee		08-08-2017 00:00	08-08-2017 15:48
	99204	Unknown Code	Unspecified Professional Fee		08-08-2017 00:00	08-08-2017 15:48
	99152	Unknown Code	Unspecified Professional Fee		08-21-2017 00:00	08-21-2017 15:27
	93460	Catheter placement ir	Unspecified Professional Fee		08-21-2017 00:00	08-21-2017 15:27
	93010	Unknown Code	Unspecified Professional Fee		08-21-2017 00:00	08-21-2017 15:27
	99152	Unknown Code	Unspecified Professional Fee			
	93460	Catheter placement ir	Unspecified Professional Fee			
	93010	Unknown Code	Unspecified Professional Fee			
	93010	Unknown Code	Unspecified Professional Fee			
	93460	Catheter placement ir	Unspecified Professional Fee			
	99152	Unknown Code	Unspecified Professional Fee			
	99152	Unknown Code	Unspecified Professional Fee			

Diagnosis Codes (ICD-9/10)

Code	Description	Type	Case-Linked?
I10	Essential (primary) hy	Unspecified Professional Fee	
I34.0	Nonrheumatic mitral	Unspecified Professional Fee	
I34.1	Nonrheumatic mitral	Unspecified Professional Fee	
I10	Essential (primary) hy	Unspecified Professional Fee	
I34.0	Nonrheumatic mitral	Unspecified Professional Fee	
I34.1	Nonrheumatic mitral	Unspecified Professional Fee	

Hospital Discharge Billing

Diagnosis Codes (ICD-9/10) Required	Code	Description	Type	Start Time	End Time
	I34.1	Nonrheumatic mitral	Hospital Discharge	08-08-2017 14:10	
	I34.0	Nonrheumatic mitral	Hospital Discharge	08-08-2017 14:10	
	I10	Essential (primary) hy	Hospital Discharge	08-08-2017 14:10	
	I34.1	Nonrheumatic mitral	Hospital Discharge	08-08-2017 14:34	
	I34.0	Nonrheumatic mitral	Hospital Discharge	08-08-2017 14:34	
	I10	Essential (primary) hy	Hospital Discharge	08-08-2017 14:34	08-08-2017 23:59
	Z01.812	Encounter for preproc	Hospital Discharge	08-21-2017 08:44	08-21-2017 15:27
	Z01.812	Encounter for preproc	Hospital Discharge	08-21-2017 08:44	08-21-2017 15:27
	Z01.810	Encounter for preproc	Hospital Discharge	08-21-2017 08:44	08-21-2017 15:27
	Z01.810	Encounter for preproc	Hospital Discharge	08-21-2017 08:44	08-21-2017 15:27
	I34.0	Nonrheumatic mitral	Hospital Discharge	08-21-2017 08:44	08-21-2017 15:27
	I34.0	Nonrheumatic mitral	Hospital Discharge	08-21-2017 08:44	08-21-2017 15:27
	I34.0	Nonrheumatic mitral	Hospital Discharge	08-29-2017 10:35	08-29-2017 23:59

Procedure Codes (CPT/ICD9/ICD10)

Code	Description	Type	Start Time	End Time
G0463	Unknown Code	Hospital Discharge	08-08-2017 14:10	08-08-2017 14:10
Q9967	Unknown Code	Hospital Discharge	08-21-2017 08:44	08-21-2017 15:27
J7040	Unknown Code	Hospital Discharge	08-21-2017 08:44	08-21-2017 15:27
J3010	Unknown Code	Hospital Discharge	08-21-2017 08:44	08-21-2017 15:27
12050	Unknown Code	Hospital Discharge	08-21-2017 08:44	08-21-2017 15:27

The Administrative view has information regarding Demographics, Professional Fee Billing, Location Hierarchy, and Hospital Discharge Billing. PHI has been removed for the purposes of this guide.

Table View

Professional Fee Billing

Procedure Codes (CPT) Required	Code	Description	Type	Case-Linked?	Start Time	End Time
	01230	Anesthesia for open	Anesthesia Professional Fee Data	Yes	08-17-2021 00:00	08-21-2021 00:00
	20650	Insertion of wire or p	Unspecified Professional Fee	Yes	08-17-2021 00:00	08-21-2021 00:00
	27250	Closed treatment of	Unspecified Professional Fee	Yes	08-17-2021 00:00	08-21-2021 00:00
	73552	Radiologic examinati	Unspecified Professional Fee	Yes	08-17-2021 00:00	08-21-2021 00:00
	76604	Ultrasound, chest (inc	Unspecified Professional Fee	Yes	08-17-2021 00:00	08-21-2021 00:00
	76705	Ultrasound, abdomin	Unspecified Professional Fee	Yes	08-17-2021 00:00	08-21-2021 00:00
	93010	Unknown Code	Unspecified Professional Fee	Yes	08-17-2021 00:00	08-21-2021 00:00
	93308	Echocardiography, tra	Unspecified Professional Fee	Yes	08-17-2021 00:00	08-21-2021 00:00
	99152	Unknown Code	Unspecified Professional Fee	Yes	08-17-2021 00:00	08-21-2021 00:00
	99153	Unknown Code	Unspecified Professional Fee	Yes	08-17-2021 00:00	08-21-2021 00:00
	99221	Unknown Code	Unspecified Professional Fee	Yes	08-17-2021 00:00	08-21-2021 00:00
	99285	Unknown Code	Unspecified Professional Fee	Yes	08-17-2021 00:00	08-21-2021 00:00
	27254	Open treatment of hi	Unspecified Professional Fee	Yes	08-18-2021 00:00	08-21-2021 00:00

Diagnosis Codes (ICD-9/10)	Code	Description	Type	Case-Linked?	Start Time	End Time	Present on Admit?
	S32.421A	Displaced fracture of	Anesthesia Professional Fee Data	Yes	08-17-2021 00:00	08-21-2021 00:00	Yes
	S72.051A	Unspecified fracture o	Anesthesia Professional Fee Data	Yes	08-17-2021 00:00	08-21-2021 00:00	Yes
	S72.301A	Unspecified fracture o	Anesthesia Professional Fee Data	Yes	08-17-2021 00:00	08-21-2021 00:00	Yes
	S73.014A	Posterior dislocation	Anesthesia Professional Fee Data	Yes	08-17-2021 00:00	08-21-2021 00:00	Yes
	V89.2XXA	Person injured in uns	Anesthesia Professional Fee Data	Yes	08-17-2021 00:00	08-21-2021 00:00	Yes
	D72.829	Elevated white blood	Unspecified Professional Fee	Yes	08-17-2021 00:00	08-21-2021 00:00	Yes

The billing section shows all billing codes that have been associated with the patient, including all encounters other than the procedure.

The Professional Fee Billing and the Hospital Discharge Billing sections include a description of what the codes are.

The Case-Linked column flags the billing codes that are linked to the case that you are viewing.

The Diagnosis Codes Sections also have a column that flags diagnoses that were present on admission.

History and Physical

The H&P View shows perioperative assessment data. Similar to Chart view, any blue text can be clicked to show more information in the right yellow pane

History

Family History	General - Family History of Anesthetic Problems	(None)	Anesth Family Hx of Anesth Problem
History Of Present Illness	General - Surgical Diagnosis	CAD	OR Surgical Diagnosis
Past Medical History	General - Past Medical History Free Text Comments	Allergy Asthma Cancer (CMS/HCC) GERD (gastroesophageal reflux disease) Hodgkin lymphoma (CMS/HCC) Hyperlipidemia Melanoma (CMS/HCC) Seasonal allergies Varicella	Anes MiChart Past Medical Anes MiChart Past Medical Anes MiChart Past Medical Anes MiChart Past Medical Anes MiChart Past Medical Anes MiChart Past Medical Anes MiChart Past Medical Anes MiChart Past Medical
Past Surgical History	General - Past Surgical History	Cardiac Cath Skin Cancer Excision Splenectomy Tonsillectomy and Adenoidectomy CAD	Hx Past Surgical History Hx Past Surgical History Hx Past Surgical History Hx Past Surgical History OR Surgical Diagnosis
Social History	History - Social History - General	ALCOHOL: Amount: Low (Occasional) TOBACCO: Tobacco Use: None	Social Social History Social Social History

Medications

Current	General - Medications - Curren	ALBUTEROL SULFATE INHL ASCORBIC ACID ORAL ASPIRIN ORAL CALCIUM ORAL fluticasone (FLONASE) fluticasone-salmeterol (ADVAIR DISKUS) levothyroxine (SYNTHROID) metoprolol succinate (TOPROL XL) MULTIVITAMIN ORAL nitroglycerin (NITROSTAT) omeprazole (PRILOSEC) rosuvastatin (CRESTOR) VITAMIN E ACETATE (VITAMIN E ORAL)	Meds Medications Meds Medications Meds Medications Meds Medications Meds Medications Meds Medications Meds Medications Meds Medications Meds Medications Meds Medications Meds Medications Meds Medications
Home	No Data Found		
Preop	General - Medications - Anticoagulation General - Medications - Beta Blocker General - Medications - Chronic Steroid Use General - Medications - Infusions	Name: Brilinta (ticagrelor)? Indication: DES to LAD (placed 4/2017) Yes - Date AND Time of last beta blocker dose (IV or PO)?11/24/2017 05:27 (None) None	Anes Anticoagulation geninput Anes Beta Blocker Continued APS Chronic Steroid Use Hx Proced MC Vasoactive Infusions

Review of Systems

MPOG concept

Value

AIMS description



Outcomes

The Outcomes view shows documented outcomes and mortality if available. The blue text in this view also remains clickable to reveal more information in the yellow right pane.

- Most cases will show 'No Data Found' for Registry Data. You will only see data here if your site submits this data to MPOG and it is one of the sampled cases from that registry.
- More information can be found on our website at <https://mpog.org/surgicalregistries/>

Documented Outcomes

Outcomes	<i>Unmapped Outcome Concept</i> Postoperative visit patient satisfaction score Postoperative Anesthesia Evaluation Complete	Patient unavailable at time of visit 0 = Unable to Assess Postop Anesthesia Evaluation: Assessment of cardiovascular, respiratory, mental functions, temperature, pain, PONV, and hydration is complete. [PHI],[PHI] ([PHI],[PHI])	MC IPO Anesthesia Events Anes Postop Satisfaction New Postop Anesthesia Evaluation: Assessment of cardiovascular, respiratory, mental functions, temperature, pain, PONV, and hydrat
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Mortality

Date of Death	No Data Found
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Registries

NSQIP	No Data Found
STS General Thoracic	No Data Found
STS Adult Cardiac	No Data Found
STS Congenital Heart	No Data Found
MSQC	No Data Found

Labs

Procedure		REPAIR UMBILICAL HERNIA > 5 YO STRANGULATED/INCARCERATED									
ASA Class		3									
		06-03-2019	08-19-2019	08-28-2019	08-29-2019	08-30-2019	08-31-2019	09-01-2019	09-02-2019		
		15:43	17:19	01:43	10:10	12:27	05:43	03:42	07:03	09:07	05:01
Blood Bank	ABO/Rhesus (Rh) Factor										
	Antibody Screen										
Blood Gas	None documented										
Cardiac	Cholesterol	219									
	HDL	53									
	LDL	145									
	Triglycerides	107									
Chemistry	Alanine Aminotransferase (ALT)	41								51	
	Albumin	4.3								3.6	
	Alkaline Phosphatase	101								83	
	Aspartate Aminotransferase (AST)	23								28	
	Bilirubin, Total	0.6								1	
	Calcium	9.7	10.1	9	9.7		8.7	9.1		9.5	
	Chloride	108	107	106	104		109	108		107	
	Creatinine	1.1	1.1	1.1	1.1		1	1		1.3	
	Glucose	91	71	105	117		98	100		93	
	Lactate	208					1.3			1.2	
	LDH	208									
	Magnesium										
	Potassium	4.2	3.7	4.2	4.2		3.9	4.3		4	
	Protein	7.2								6.5	
	Sodium	144	142	139	140		141	141		141	
Urea Nitrogen	13	13	13	10		9	7		9		
Coagulation	International Normalized Ratio (INR)		1		1.1					1.1	
	Partial Thromboplastin Time (PTT)		28.3		27.3						
	Prothrombin Time (PT)		13.1		13.2					13.2	
Complete Blood Count	Hemoglobin (HGB)	14.3	14.2	12.2	14.2		12.6	12.5		12.7	
	Hematocrit (HCT)	45.3	44.9	37.6	43.2		39.3	38.3		38.6	
	Platelets (PLT)	268	272	270	328		289	302		323	
	WBC Count	5.9	5.8	11.8	13.8		11.1	11.3		11.3	
Drug Monitoring	None documented										
Endocrine	Hemoglobin A1c	4.7									
Other	None documented										
Urine	None documented										

- Shows labs in clinical groupings and chronological order
- Info is also available in chart view
- Blue shading across the top shows the day of surgery

												Time	Value	Mapped As	
Blood Bank	ABO/Rhesus (Rh) Factor														
	Antibody Screen														
Blood Gas	None documented														
Cardiac	Cholesterol	219													
	HDL	53													
	LDL	145													
	Triglycerides	107													
Chemistry	Alanine Aminotransferase (ALT)	41													
	Albumin	4.3													
	Alkaline Phosphatase	101													
	Aspartate Aminotransferase (AST)	23													
	Bilirubin, Total	0.6													
	Calcium	9.7	10.1	9.7	9.7	8.7	9.1	9.5							
	Chloride	108	107	106	104	109	108	107							
	Creatinine	1.1	1.1	1.1	1.1	1	1	1.3							
	Glucose	91	71	105	117	98	100	93							
	Lactate	208							1.3						
	LDH	208													
	Magnesium														
	Potassium	4.2	3.7	4.2	4.2										
	Protein	7.2													
	Sodium	144	142	139	140										
	Urea Nitrogen	13	13	13	10										
Coagulation	International Normalized Ratio (INR)														
	Partial Thromboplastin Time (PTT)														
	Prothrombin Time (PT)														
Complete Blood Count	Hemoglobin (HGB)	14.3	14.2	12.2	14.2										
	Hematocrit (HCT)	45.3	44.9	37.6	43.2										
	Platelets (PLT)	268	272	270	328										
	WBC Count	5.9	5.8	11.8	13.8										
Drug Monitoring	None documented														
Endocrine	Hemoglobin A1c	4.7													
Other	None documented														
Urine	None documented														

Clicking on the lab name on the right will show all labs in that category in the right hand yellow pane. Clicking a lab value itself will give more information about that lab value.

- Clicking a value brings up more information

Procedure: REPAIR UMBILICAL HERNIA > TO STRANGULATED/INCARCERATED ASA Class: 3

	06-03-2019 15:43	08-19-2019 17:19	08-28-2019 01:43	08-29-2019 10:10	12:27	08-30-2019 05:43	08-31-2019 05:42	09-01-2019 07:03	09-07 09:07	09-02-2019 05:01
Blood Bank	ABO/Rhesus (Rh) Factor Antibody Screen									
Blood Gas	None documented									
Cardiac	Cholesterol HDL LDL Triglycerides									
Chemistry	Alanine Aminotransferase (ALT) Albumin Alkaline Phosphatase Aspartate Aminotransferase (AST) Bilirubin, Total Calcium Chloride Creatinine Glucose Lactate LDH Magnesium Potassium Protein Sodium Urea Nitrogen									
Coagulation	International Normalized Ratio (INR) Partial Thromboplastin Time (PTT) Prothrombin Time (PT)									
Complete Blood Count	Hemoglobin (HGB) Hematocrit (HCT) Platelets (PLT) WBC Count									
Drug Monitoring	None documented									
Endocrine	Hemoglobin A1c									
Other	None documented									

Lab Value ✕

Concept: Formal lab - Glucose, Serum/Plasma

Value: 91

Time: 06-03-2019 15:43

User Comment: Fasting reference:
Pre-Diabetes 100-125
Diabetes >125
Non-Fasting:
Normal <140
Diabetes >/=200

AIMS_IntraopMedications

Find value

MPOGDose_ID	MPOGCase_ID	MPOGMed_Concept_ID	MPOGDose_Type_CD	MPOGUOM_Concept_ID	MPOGRoute_Concept_ID	AIMSDose_ID	AIMSMed_Concept_ID	AIMSDose_Start_DT	AIMSDose_End_DT	AIMSMed_Nar
adffd0cb-b60c-eb11-910d-005056b4993c	07b7f25e-17fb-ea11-910c-005056b4993c	10702	1	1005	2008	2330975-27694-2020-09-15 09:13:00-1-465158003	27694	9/15/2020 9:13:00 AM		omeprazole 20
aefdd0cb-b60c-eb11-910d-005056b4993c	07b7f25e-17fb-ea11-910c-005056b4993c	10253	1	1014	2014	2330975-28203-2020-09-15 20:00:00-1-465321507	28203	9/15/2020 8:00:00 PM		lidocaine 5 % t
affdd0cb-b60c-eb11-910d-005056b4993c	07b7f25e-17fb-ea11-910c-005056b4993c	10186	1	1010	2001	2330975-3037-2020-09-15 17:18:00-1-465230852	3037	9/15/2020 5:18:00 PM		fentaNYL (PF) 5
b0ffd0cb-b60c-eb11-910d-005056b4993c	07b7f25e-17fb-ea11-910c-005056b4993c	10186	1	1010	2001	2330975-3037-2020-09-15 17:27:00-2-465230852	3037	9/15/2020 5:27:00 PM		fentaNYL (PF) 5
b1ffd0cb-b60c-eb11-910d-005056b4993c	07b7f25e-17fb-ea11-910c-005056b4993c	10186	1	1010	2001	2330975-3037-2020-09-15 17:47:00-3-465230852	3037	9/15/2020 5:47:00 PM		fentaNYL (PF) 5
b2ffd0cb-b60c-eb11-910d-005056b4993c	07b7f25e-17fb-ea11-910c-005056b4993c	10219	1	1005	2001	2330975-3757-2020-09-15 18:17:00-1-465230853	3757	9/15/2020 6:17:00 PM		HYDROMorphi
b3ffd0cb-b60c-eb11-910d-005056b4993c	07b7f25e-17fb-ea11-910c-005056b4993c	10070	1	1025	2007	2330975-40822484-2020-09-15 16:54:00-2-465230834	40822484	9/15/2020 4:54:00 PM		bupivacaine (P
b4ffd0cb-b60c-eb11-910d-005056b4993c	07b7f25e-17fb-ea11-910c-005056b4993c	10306	1	1005	2001	2330975-40823880-2020-09-15 22:16:00-1-465321534	40823880	9/15/2020 10:16:00 PM		morphine 2 mg
b5ffd0cb-b60c-eb11-910d-005056b4993c	07b7f25e-17fb-ea11-910c-005056b4993c	10374	1	1005	2001	2330975-40840565-2020-09-15 21:22:00-1-465321530	40840565	9/15/2020 9:22:00 PM		PROMETHAZIN
b6ffd0cb-b60c-eb11-910d-005056b4993c	07b7f25e-17fb-ea11-910c-005056b4993c	10374	1	1005	2001	2330975-40843105-2020-09-15 10:18:00-2-465158026	40843105	9/15/2020 10:18:00 AM		PROMETHAZIN
b7ffd0cb-b60c-eb11-910d-005056b4993c	07b7f25e-17fb-ea11-910c-005056b4993c	10301	1	1005	2001	35921702	3092	9/15/2020 12:17:00 PM		Midazolam (IV)
b8ffd0cb-b60c-eb11-910d-005056b4993c	07b7f25e-17fb-ea11-910c-005056b4993c	10131	1	1005	2001	35921960	5456	9/15/2020 12:31:00 PM		Clindamycin N
b9ffd0cb-b60c-eb11-910d-005056b4993c	07b7f25e-17fb-ea11-910c-005056b4993c	10216	1	1005	2001	35922076	21090	9/15/2020 12:47:46 PM		Hydrocortisone
baffd0cb-b60c-eb11-910d-005056b4993c	07b7f25e-17fb-ea11-910c-005056b4993c	10160	1	1005	2001	35922154	47653	9/15/2020 12:52:50 PM		Diphenhydram
bbffd0cb-b60c-eb11-910d-005056b4993c	07b7f25e-17fb-ea11-910c-005056b4993c	10210	1	1005	2001	35922156	42297	9/15/2020 12:52:56 PM		Haloperidol (H
bcffd0cb-b60c-eb11-910d-005056b4993c	07b7f25e-17fb-ea11-910c-005056b4993c	10377								Induc
bdffd0cb-b60c-eb11-910d-005056b4993c	07b7f25e-17fb-ea11-910c-005056b4993c	10393								um
beffd0cb-b60c-eb11-910d-005056b4993c	07b7f25e-17fb-ea11-910c-005056b4993c	10186								
bfffd0cb-b60c-eb11-910d-005056b4993c	07b7f25e-17fb-ea11-910c-005056b4993c	10186								
c0ffd0cb-b60c-eb11-910d-005056b4993c	07b7f25e-17fb-ea11-910c-005056b4993c	10202								cin M
c1ffd0cb-b60c-eb11-910d-005056b4993c	07b7f25e-17fb-ea11-910c-005056b4993c	10219								orphor
c2ffd0cb-b60c-eb11-910d-005056b4993c	07b7f25e-17fb-ea11-910c-005056b4993c	10219								orphor
c3ffd0cb-b60c-eb11-910d-005056b4993c	07b7f25e-17fb-ea11-910c-005056b4993c	10239								c
c4ffd0cb-b60c-eb11-910d-005056b4993c	07b7f25e-17fb-ea11-910c-005056b4993c	10070								ine 0.2
c5ffd0cb-b60c-eb11-910d-005056b4993c	07b7f25e-17fb-ea11-910c-005056b4993c	10206								rolate
c6ffd0cb-b60c-eb11-910d-005056b4993c	07b7f25e-17fb-ea11-910c-005056b4993c	10315								nine
c7ffd0cb-b60c-eb11-910d-005056b4993c	07b7f25e-17fb-ea11-910c-005056b4993c	10335								tron (I
c8ffd0cb-b60c-eb11-910d-005056b4993c	07b7f25e-17fb-ea11-910c-005056b4993c	10219								orphor

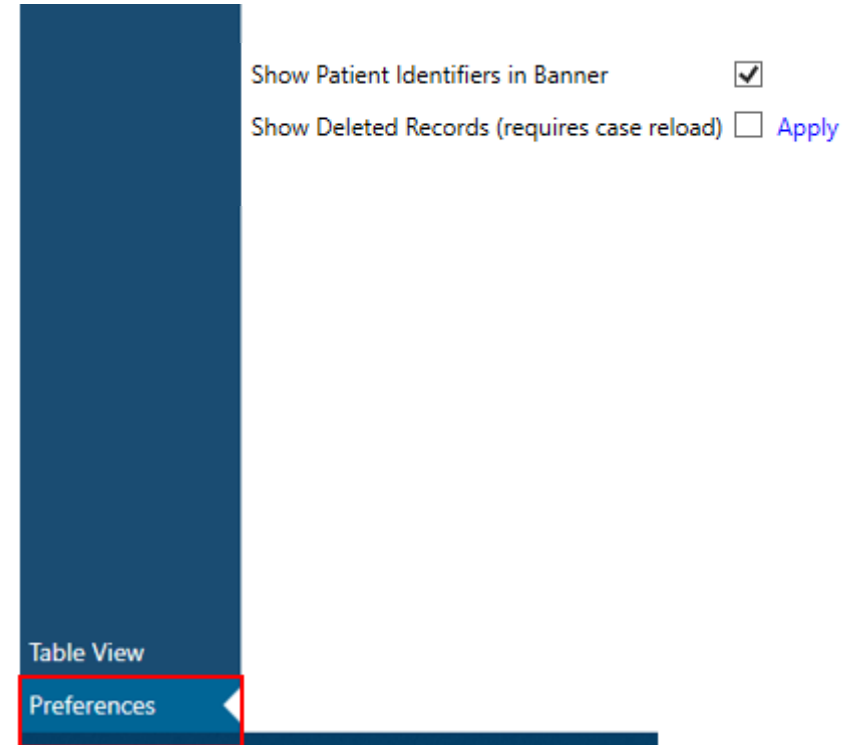
Table View

Table view displays all data submitted to MPOG central that was documented for a particular case regardless of if it was mapped to an MPOG concept or not. The dropdown menu allows to view data in specific storage tables.

The search bar below the drop down allows for text search of the information in table view

Preferences

- The preferences option on the bottom of the left pane lets users turn on/off PHI viewing and deleted record information
- Values marked as 'Artifact' are not shown when the option to not show Deleted data is selected



ACQR “Cheat Sheet”

- Example search strings for flagged case review. Copy and paste into “Record Search.” This information can also be found under 'Presets' in the Chart Section. Presets are updated during the MPOG Suite Upgrades. If you are reviewing data and the preset doesn't exist, you can reach out to the Coordinating Center for the search string to use.

- **Glucose Measures:**

Glucose | insulin | anesthesia start | anesthesia End | dextrose | diabetes | 50012 | 50304 | 6008 | 50301 | 50443 | 50016 | 50002 | 50011 | 50069 | 50110 | 50211 | 50009 | 10147 | 10233 | 50012 | 50002 | 50304 | 6008 | 50301 | 50443 | 50016 | 50011 | 50069 | 50110 | 50211 | 50009 | 50067

- **Transfusion Measures:**

anesthesia start | anesthesia end | HCT | hematocrit | hemoglobin | HGB | Red blood cells | Estimated blood loss | Saline 0.9% | lactated ringers | albumin | platelets | phenylephrine | ephedrine | epinephrine