



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

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
- Surgery Date Range

Filter Shortcuts

Case Type	Patient Age	Date of Surgery	Recently Opened
Coronary Artery Bypass	Pediatric	May 2022	Today
Knee Arthroplasty	Adult	April 2022	Yesterday
Labor Analgesia		March 2022	This Week
Labor Epidural		Year to Date	Last Week
			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

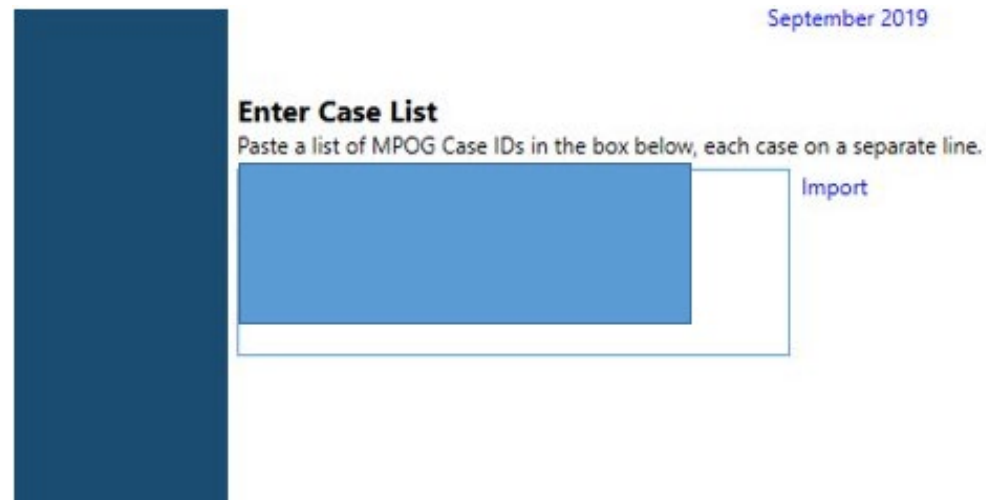
To open a case, search by MPOG Patient ID, MPOG Case ID, AIMS Case ID, or MRN in either location

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

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
Surgery Date Range

Filter Shortcuts

Case Type	Patient Age	Date of Surgery	Recently Opened
Coronary Artery Bypass	Pediatric	May 2022	Today
Knee Arthroplasty	Adult	April 2022	Yesterday
Labor Analgesia		March 2022	This Week
Labor Epidural		Year to Date	Last Week
			May 2022
			April 2022

- **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
- **Surgery Date Range** - Find 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 to years old ✕

[CPT Code](#)

[ICD Code](#)

[Institution](#)

[Location](#)

[Location Tag](#)

[MPOG Concept ID](#) ✕
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 From ✕
To

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.

Filter Shortcuts

Case Type	Patient Age	Date of Surgery	Recently Opened
Coronary Artery Bypass	Pediatric	May 2022	Today
Knee Arthroplasty	Adult	April 2022	Yesterday
Labor Analgesia		March 2022	This Week
Labor Epidural		Year to Date	Last Week
			May 2022
			April 2022

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

Surgery Date Range

Filter Shortcuts

Case Type

Coronary Artery Bypass

Knee Arthroplasty

Labor Analgesia

Labor Epidural

Patient Age

Pediatric

Adult

General

Anesthesiology

Bariatric Surgery

Burn

Cardiac

Cardiothoracic

Cardiothoracic-vascular

Colorectal

Dentistry

Dermatology

Gynecology

Hand Surgery

Medical - cardiology

Medical - gastroenterology

Medical - hematology/oncology

Medical - nephrology

Medical - not specified

Medical - other

Enter Case List

Paste a list of MPOG Case IDs in the box below

Table View

Preferences

Search Results

Case Time	Service	Patient Age	Procedure	Institution
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.

MPOG Case Viewer

Fast Case Lookup

Case Search

Chart

Record Search

Administrative

H & P

Outcomes

Labs

(No case loaded) X +

Find a Specific Case

Enter patient ID / case ID / MRN

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

Opened Date Range

Primary Surgical Service

Procedure Text

Registry Data

General

X

Surgery Date Range

From

9/1/2021

To

9/30/2021

X

Filter Shortcuts

Case Type

Patient Age

Date of Surgery

Recently Opened

Coronary Artery Bypass

Pediatric

May 2022

Today

Knee Arthroplasty

Adult

April 2022

Yesterday

Labor Analgesia

March 2022

This Week

Labor Epidural

Year to Date

Last Week

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

Search Results

X

Case Time

Service

Patient Age

Procedure

09-03-2021 07:30

General

09-03-2021 15:55

General

09-07-2021 07:30

General

09-02-2021 08:30

General

09-01-2021 10:00

General

09-01-2021 09:45

General

09-01-2021 07:30

General

09-01-2021 14:30

General

09-07-2021 09:30

General

09-04-2021 00:30

General

09-03-2021 07:30

General

09-02-2021 15:15

General

09-02-2021 08:30

General

09-02-2021 10:30

General

09-02-2021 13:00

General

09-01-2021 13:45

General

09-08-2021 14:30

General

09-01-2021 11:45

General

09-01-2021 07:45

General

09-07-2021 12:00

General

09-07-2021 11:30

General

09-10-2021 09:35

General

09-07-2021 07:30

General

09-07-2021 07:30

General

09-07-2021 13:30

General

09-03-2021 13:20

General

09-03-2021 07:45

General

09-03-2021 10:00

General

09-03-2021 10:45

General

Next, filter down to September cases by clicking “Surgery Date Range” and specifying 9/1/2021 to 9/30/2021.

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) ✕ +

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

50002, 10377, 10007 ✕

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.



Search Results				
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				

Search Results				
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 × + [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

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

Main Chart

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

Times

Preop

Anesthesia

In Room

Surgery

PACU

All Staff

Staff Level - Anesthesia Attending #1

Staff Level - Anesthesia Attending #2

Staff Level - Anesthesia CRNA #1

Staff Level - Anesthesia CRNA #2

Staff Level - Preop Nurse #1

Staff Level - Surgical Attending/Procedu

Staff Level - Surgical Resident #1

Staff Level - Surgical Resident #2

Staff Level - Surgical Resident #3

Staff Level - Surgical Resident #4

Bolus Meds

CEFAZOLIN

DEXAMETHASONE

DIPHENHYDRAMINE

FENTANYL

KETAMINE

KETOROLAC

LIDOCAINE Aqueous 4%

MAGNESIUM SULFATE

MIDAZOLAM 2 mg

MORPHINE

ONDANSETRON

PROPOFOL

ROCURONIUM

SUGAMMADEX

Bolus Inputs

LACTATED RINGERS

ESTIMATED BLOOD LOSS

Outputs

Temperature - Skin

Temperature Route

Temp 1 - Unspecified Site

SpO2 Pulse Rate

EKG Pulse Rate

Respiratory Rate - Unspecified source

Respiratory Rate Actual from EtCO2 trac

BP Sys Cuff

BP Dias Cuff

BP Combined Non-invasive

BP Mean Cuff

Pulse Pressure Variation

Multiple Values

Time

Mapped As

Value

Original Variable

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)

Chart View

The MRN and MPOG Case ID can be copied using the 'Copy' button

Case ID	Patient IDs	(Last Name Missing), (First Name Missing) (MRN Missing)
1	2	3

Fast Case Lookup

Case Search

Chart

Record Search

Administrative

H & P

Outcomes

Labs

Table View

Preferences

Case ID

Institution

Time

Procedure

Collapse All

Expand All

Main Chart

Times

All Staff

Bolus Meds

Bolus Inputs

Outputs

Physio

BP Sys Cuff

BP Dias Cuff

SpO2 Pulse Rate

End Tidal CO2 (mmHg)

Preop

Anesthesia

In Room

Surgery

PACU

Staff Level - Anesthesia Attending #1

Staff Level - Anesthesia Attending #2

Staff Level - Anesthesia CRNA #1

Staff Level - Anesthesia CRNA #2

Staff Level - Preop Nurse #1

Staff Level - Surgical Attending/Procedu

Staff Level - Surgical Resident #1

Staff Level - Surgical Resident #2

Staff Level - Surgical Resident #3

Staff Level - Surgical Resident #4

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 trac

BP Sys Cuff

BP Dias Cuff

BP Combined Non-invasive

BP Mean Cuff

Pulse Pressure Variation

Patient IDs

Age/Sex/Race

Height/Weight

ASA Class

(Last Name Missing), (First Name Missing) (MRN Missing)

167.6 cm, 63.5 kg

ASA 2

Surgical Service

Admission

Room Name

Orthopedics

Outpatient

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
		Equipment verified	Equipment verified
		Patient identified, chart review	Patient identified, chart review
		NPO status confirmed to be s	NPO status confirmed to be _
		New Site - Left Hand 18 g, pla	Peripheral IV
		NIBP Cuff placed on R upper a	NIBP Cuff placed on _
		Anesthesia Start	Anesthesia Start
		Room Ready	Room Ready
		Patient In Room	Patient In Room
		PRIOR to Induction/Initiation	PRIOR to Induction/Initiation
		Patient preoxygenated using E	Patient preoxygenated by _ L
		Mask ventilation Grade 1: Ven	Mask ventilation _
		Mask removed and Eyes taped	Mask removed and Eyes _
		Orally intubated using Direct I	Orally intubated using _ on th
		7.5 mm single-lumen cuffed E	_ mm _ ET tube taped @ _
		Equal bilateral breath sounds	Equal bilateral breath sounds
		Atraumatic Laryngoscopy	Atraumatic Laryngoscopy
		Anesthesia Induction End	Anesthesia Induction End
		Patient positioned Supine	Patient positioned _
		Patient arms placed on arm bc	Patient arms _
		Bed not turned	Bed _
		Nasal temperature probe chec	_ temperature probe checked
		Head and neck maintained in	Free text
		Peripheral nerve stimulator pl	Peripheral nerve stimulator pl
		Tourniquet #1 Right Leg up @	Tourniquet #1 _ up @ _
		Surgical Incision	Surgical Incision
		Forced air warmer (convective	Forced air warmer (convective
		Tourniquet #1 down (total elay	Tourniquet #1 down
		Oral airway placed	Oral airway placed
		Local Anesthetic by Surgeon	Local Anesthetic by Surgeon
		Page Staff Anesthesiologist fo	Page Staff Anesthesiologist fo
		Surgical Dressing Complete	Surgical Dressing Complete
		Pharynx suctioned	Pharynx suctioned
		Neuromuscular function intact	Neuromuscular function intact
		Patient obeys commands	Patient obeys commands
		Patient extubated Awake	Patient extubated _
		Controlled Substances SECURI	Controlled Substances SECURI
		Patient transported to PACU	Patient transported to _
		Patient Admitted to PACU	Patient Admitted to PACU

The left side pane allows users to toggle between different views:

- Chart
- Record Search
- Administrative
- H&P
- Outcomes
- Labs.

The current tab is highlighted in a lighter blue

Record Search

Administrative

H & P

Outcomes

Labs

Collapse All

Main Chart [-]

Times [-]

All Staff [-]

Bolus Meds [-]

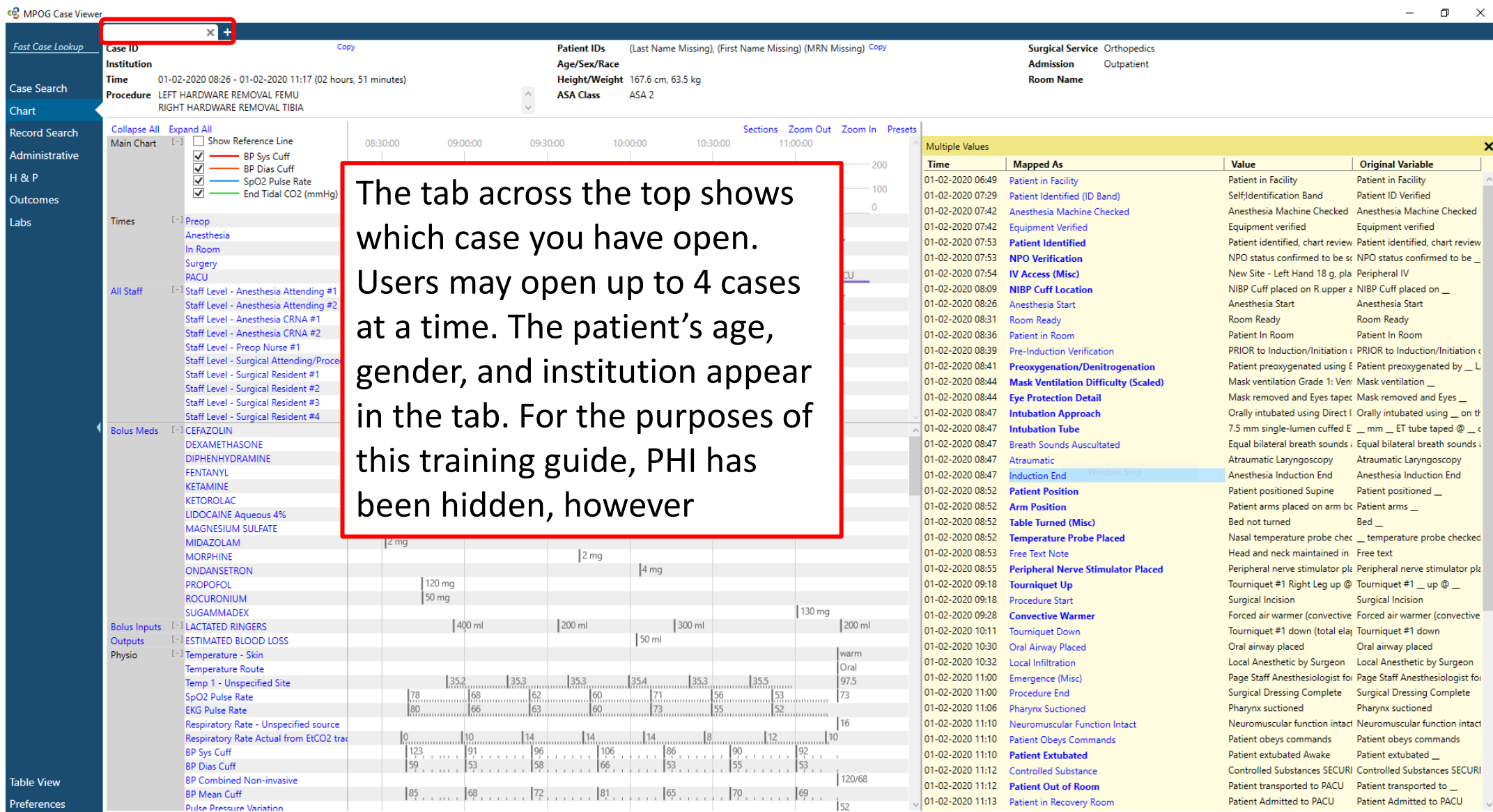
Bolus Inputs [-]

Outputs [-]

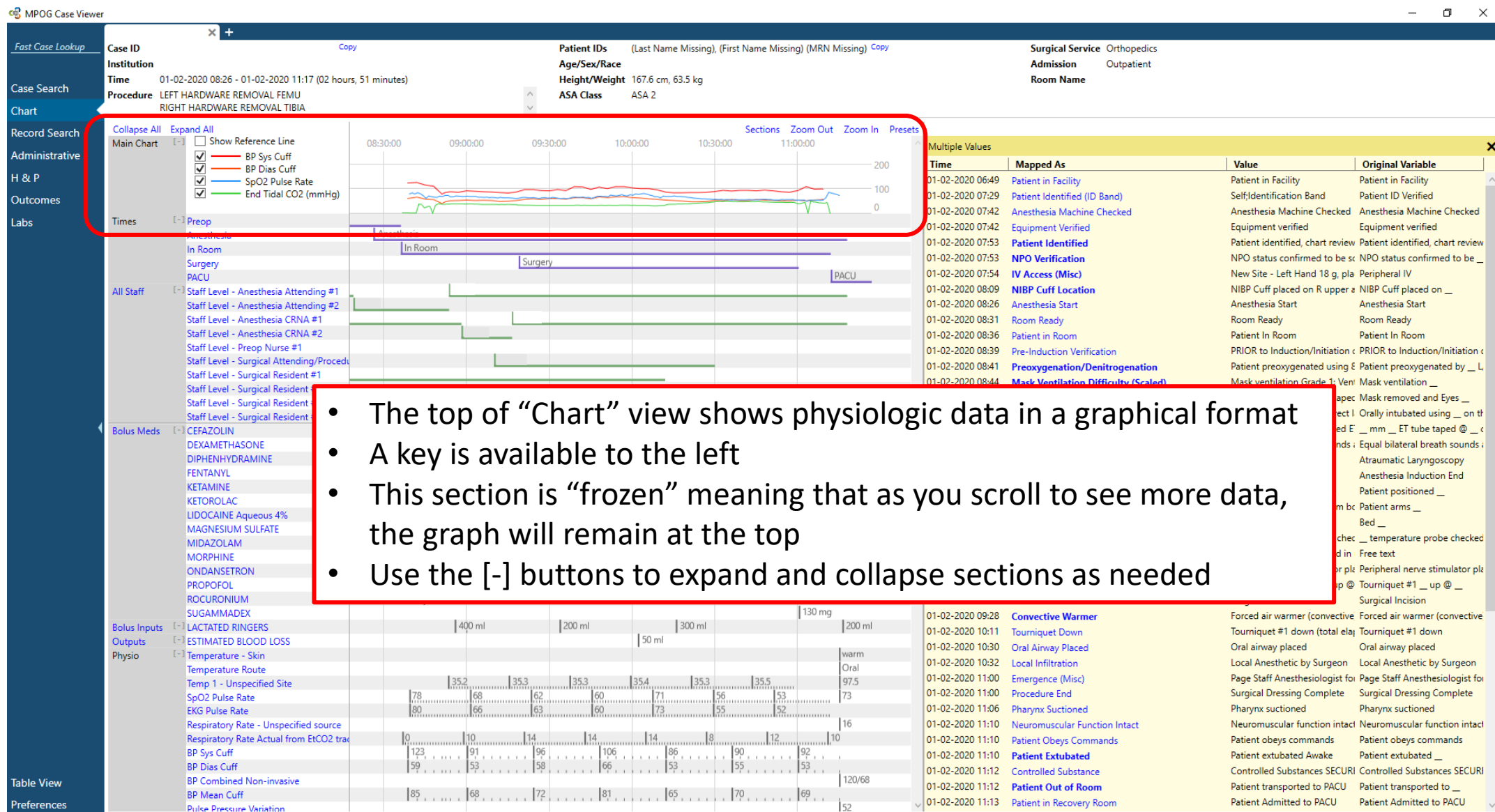
Physio [-]



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

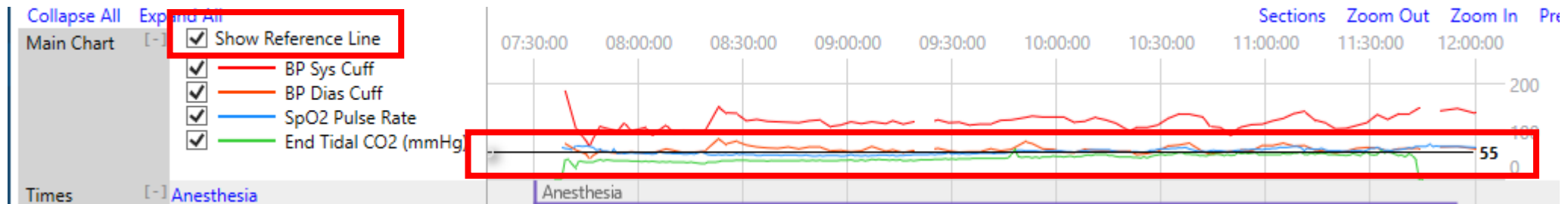


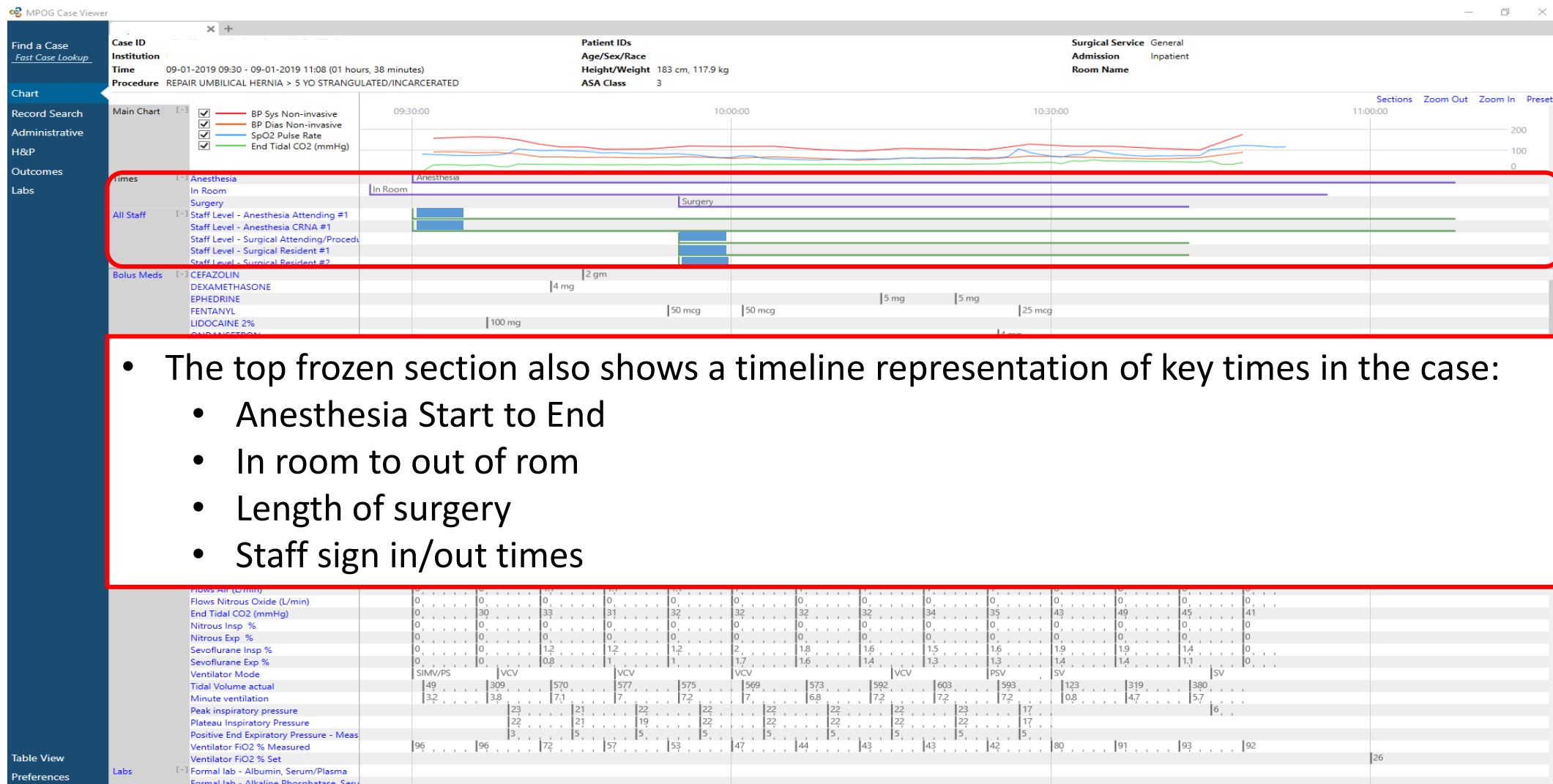
The tab across the top shows which case you have open. Users may open up to 4 cases at a time. The patient's age, gender, and institution appear in the tab. For the purposes of this training guide, PHI has been hidden, however



- 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 room
 - Length of surgery
 - Staff sign in/out times

MPOG Case Viewer

Fast Case Lookup

Case Search

Chart

Record Search

Administrative

H & P

Outcomes

Labs

Case ID

Institution

Time

Procedure

Patient IDs

Age/Sex/Race

Height/Weight

ASA Class

Surgical Service

Admission

Room Name

Cardiac

Admit

CVC-OR 04

MIDLINE MITRAL VALVE REPAIR OR REPLACEMENT

MIDLINE CORONARY ARTERY BYPASS GRAFT

ASA 4

Sections

Zoom Out

Zoom In

Presets

Notes

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

BP Sys Arterial

BP Dias Arterial

BP Sys Cuff

BP Dias Cuff

EKG Pulse Rate

SpO2 Pulse Rate

End Tidal CO2 (mmHg)

Preop

Anesthesia

In Room

Surgery

All Staff

Meds - IV

Calcium Chloride

Cefuroxime

Fentanyl

Furosemide

Glycopyrrolate

Heparin

Hydralazine

Insulin Regular

Lidocaine

Magnesium Sulfate

Mannitol

Midazolam

Milrinone

Morphine

Neostigmine

Norepinephrine

Pancuronium

Phenylephrine

Potassium Chloride

Propofol

Protamine

Tranexamic Acid

Vancomycin

Vasopressin

Chlorhexidine Alcohol Free 0.5%

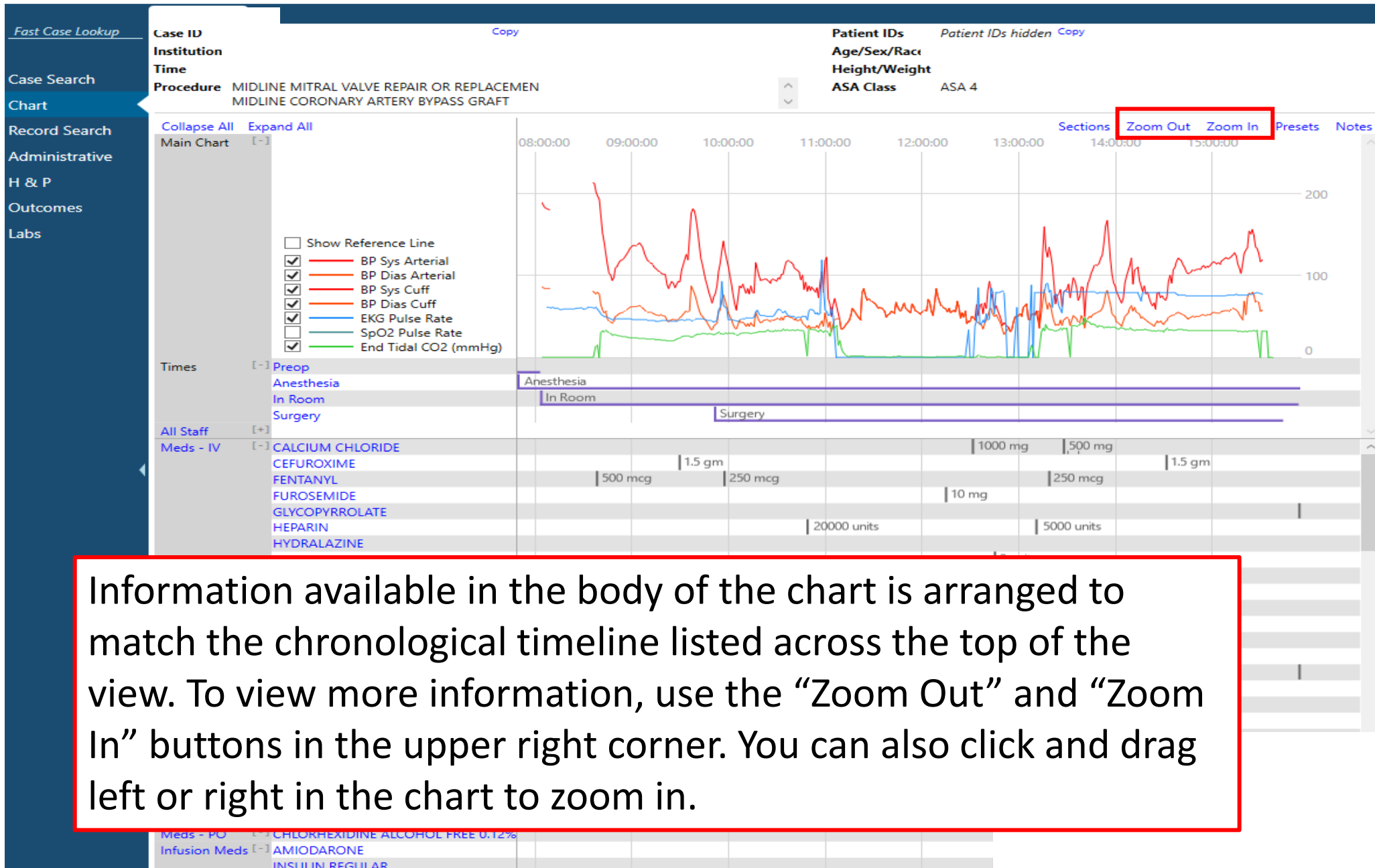
Amiodarone

Insulin Regular

Meds - PO

Infusion Meds

- The grey column to the left divides the case into the following sections
 - Meds – IV
 - Meds – PO
 - Infusion Meds
 - Inputs
 - Outputs
 - Physiologic
 - Ventilator
 - Flowsheet
 - Notes
 - Labs



Fast Case Lookup

Case Search

Chart

Record Search

Administrative

H & P

Outcomes

Labs

Case ID

Copy

Institution

Time

08:00:00 09:00:00 10:00:00 11:00:00 12:00:00 13:00:00 14:00:00 15:00:00 (hours, 5 minutes)

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

Collapse All Expand All

Main Chart

☐ 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

CALCIUM CHLORIDE

CEFUROXIME

FENTANYL

FUROSEMIDE

GLYCOPYRROLATE

HEPARIN

HYDRALAZINE

INSULIN REGULAR

LIDOCAINE

MAGNESIUM SULFATE

MANNITOL

MIDAZOLAM

MILRINONE

MORPHINE

NEOSTIGMINE

NOREPINEPHRINE

PANCURONIUM

PHENYLEPHRINE

POTASSIUM CHLORIDE

PROPOFOL

PROTAMINE

TRANEXAMIC ACID

VANCOMYCIN

VASOPRESSIN

Meds - PO

CHLORHEXIDINE ALCOHOL FREE 0.12%

Infusion Meds

AMIODARONE

INSULIN REGULAR

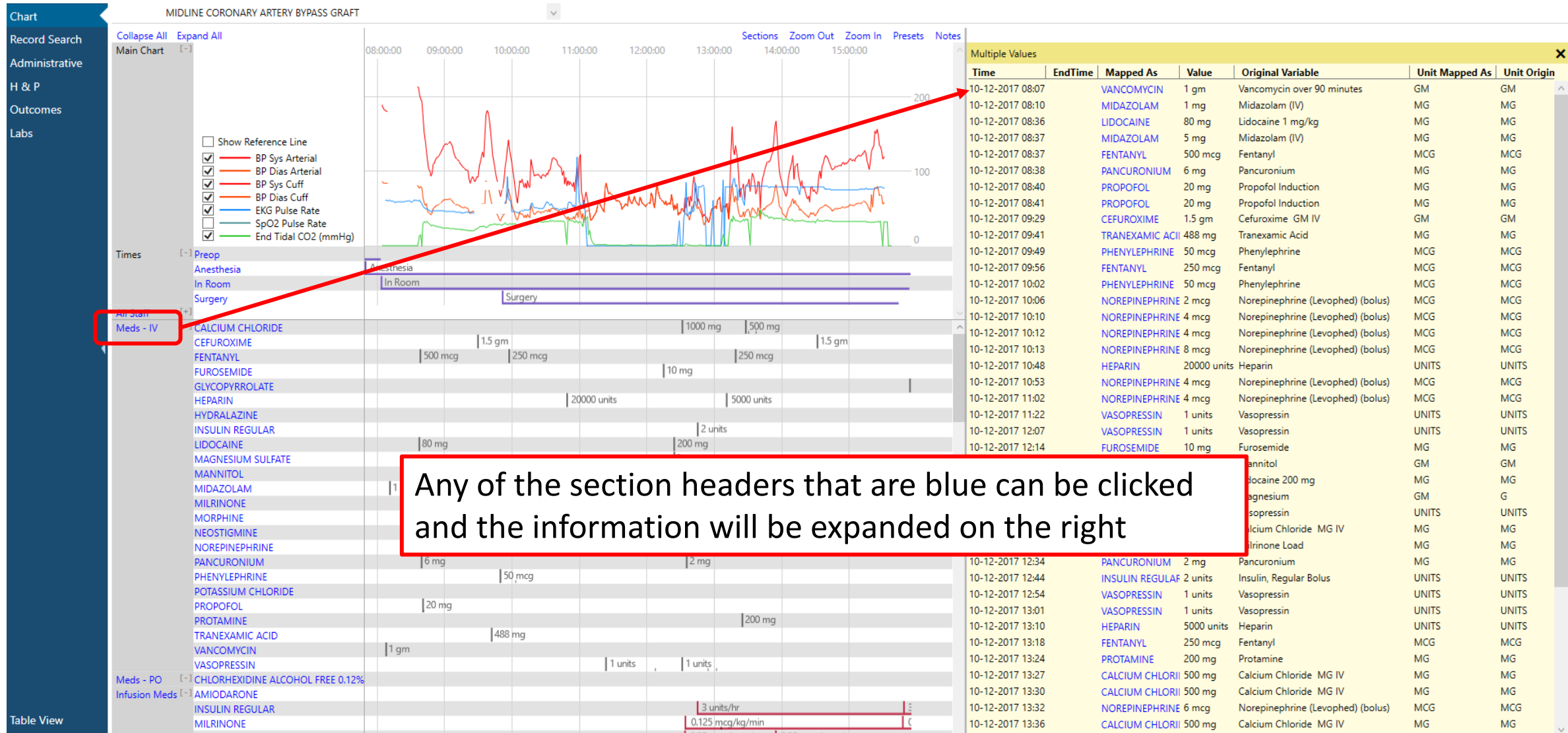
Click Mouse

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

Unit

MG
1005

Route

IV
2001

Lidocaine 2% 20 mg/mL
ERX-112130

MG
MG

INTRAVENOUS
INTRAVENOUS

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

Click header

Multiple Values			
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



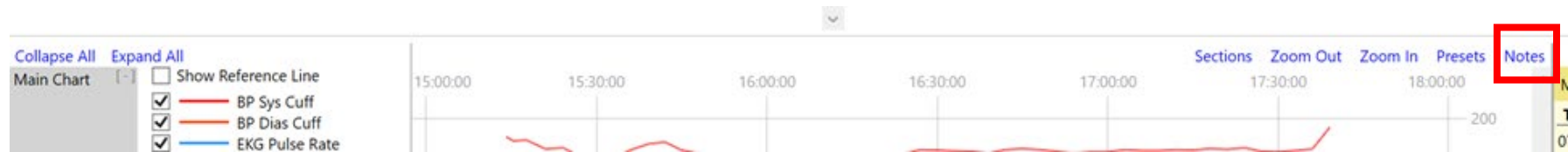
Multiple Values			
Time	Mapped As	Value	Original Variable
10-23-2017 13:46	BP Sys Cuff	90	7
10-23-2017 12:50	BP Sys Cuff	90	7
10-23-2017 12:38	BP Sys Cuff	91	7
10-23-2017 12:28	BP Sys Cuff	92	7
10-23-2017 13:34	BP Sys Cuff	92	7
10-23-2017 12:26	BP Sys Cuff	92	7
10-23-2017 13:24	BP Sys Cuff	92	7
10-23-2017 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

- | Multiple Values | | | |
|------------------|----------------------------|---------------------------|---------------------------|
| Time | Mapped As | Value | Original Variable |
| 11-29-2019 20:43 | Patient in Facility | Patient in Facility | Patient in Facility |
| 12-01-2019 07:28 | Fall Risk Score | No Risk Factors Present | Fall Risk Assessment |
| 12-01-2019 08:22 | Patient Identified (ID Bar | Self;Identification Band | Patient ID Verified |
| 12-01-2019 08:59 | Anesthesia Machine Che | Anesthesia Machine Che | Anesthesia Machine Che |
| 12-01-2019 08:59 | Equipment Verified | Equipment verified | Equipment verified |
| 12-01-2019 08:59 | Patient Identified | Patient identified, chart | Patient identified, chart |
| 12-01-2019 08:59 | NPO Verification | NPO status confirmed to | NPO status confirmed to |
| 12-01-2019 09:00 | Patient Identified (ID Bar | Identification Band;Self | Patient ID Verified |
| 12-01-2019 09:05 | Room Ready | Room Ready | Room Ready |
| 12-01-2019 09:07 | Anesthesia Start | Anesthesia Start | Anesthesia Start |
| 12-01-2019 09:13 | Patient in Room | Patient In Room | Patient In Room |
| 12-01-2019 09:15 | Patient in Room | Patient In Room | Patient In Room |
| 12-01-2019 09:16 | Monitors Specified | Standard monitors place | Standard monitors place |
| 12-01-2019 09:17 | Pre-Induction Verification | PRIOR to Induction/Initi | PRIOR to Induction/Initi |
| 12-01-2019 09:24 | Pre-Induction Verification | PRIOR to Induction/Initi | PRIOR to Induction/Initi |
| 12-01-2019 09:24 | Preoxygenation/Denitr | Patient preoxygenated b | Patient preoxygenated b |

[illegible]

- 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	Note Type AACD Patient In Facility Date/Time 50016	Mapped As AACD Patient In Facility Date/Time 50016	Original 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

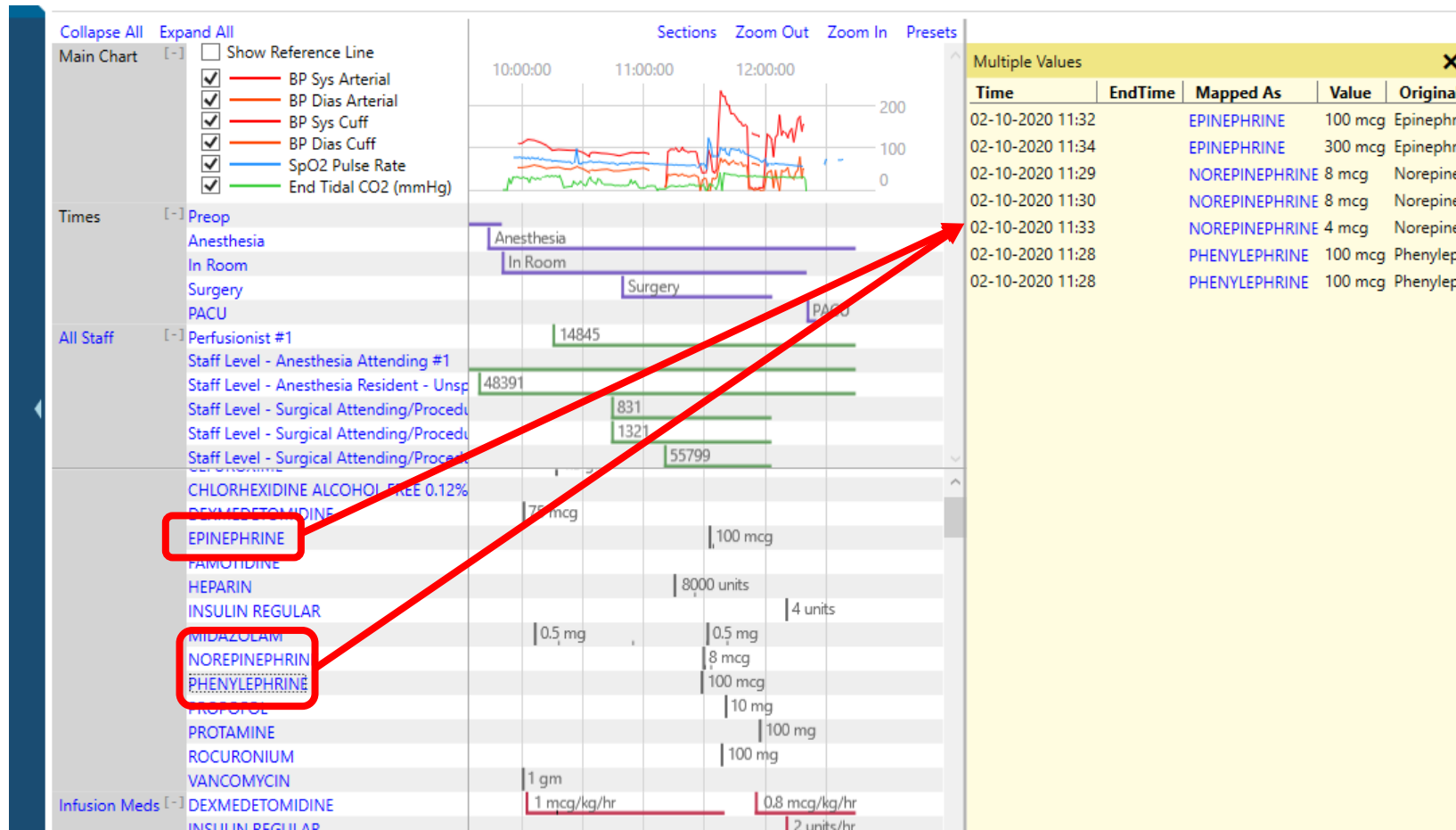
Intraop Note

Back

Prev

Next

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

1:00

200

100

55

0

6951

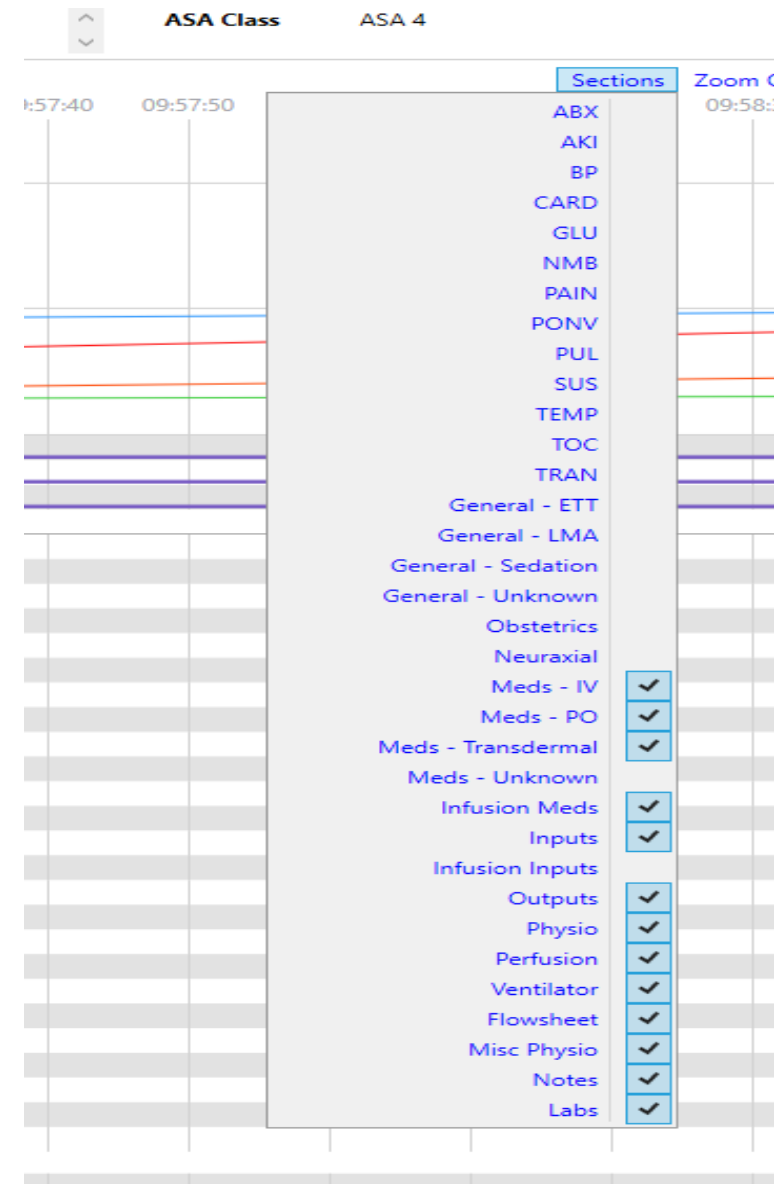
Multiple Values			
Time	Mapped As	Value	Original Variable
02-01-2020 07:39	EKG Pulse Rate	63	FLO-892
02-01-2020 07:40	EKG Pulse Rate	62	FLO-892
02-01-2020 07:41	EKG Pulse Rate	59	FLO-892
02-01-2020 07:42	EKG Pulse Rate	69	FLO-892
02-01-2020 07:43	EKG Pulse Rate	71	FLO-892
02-01-2020 07:44	EKG Pulse Rate	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



	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.



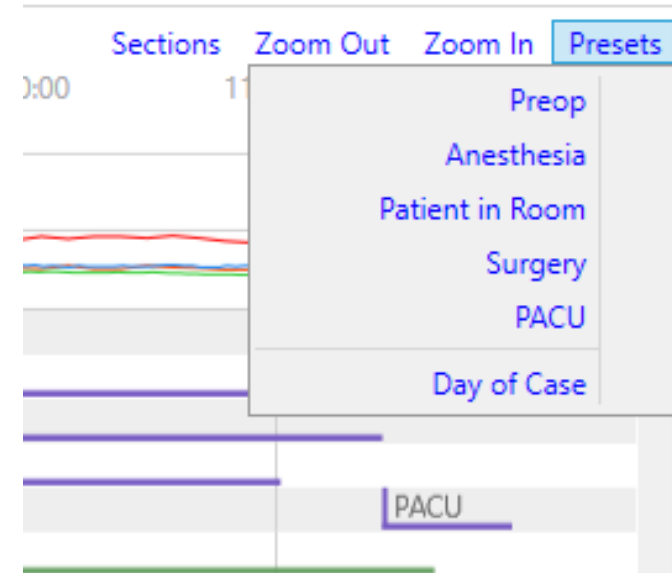
For example, the PONV section summarizes PONV relevant information such as anti-emetics given, anesthetic gases used, and PONV and smoking history and risk factors. While this information is available elsewhere in the chart, this view quickly summarizes and puts the information into one place.

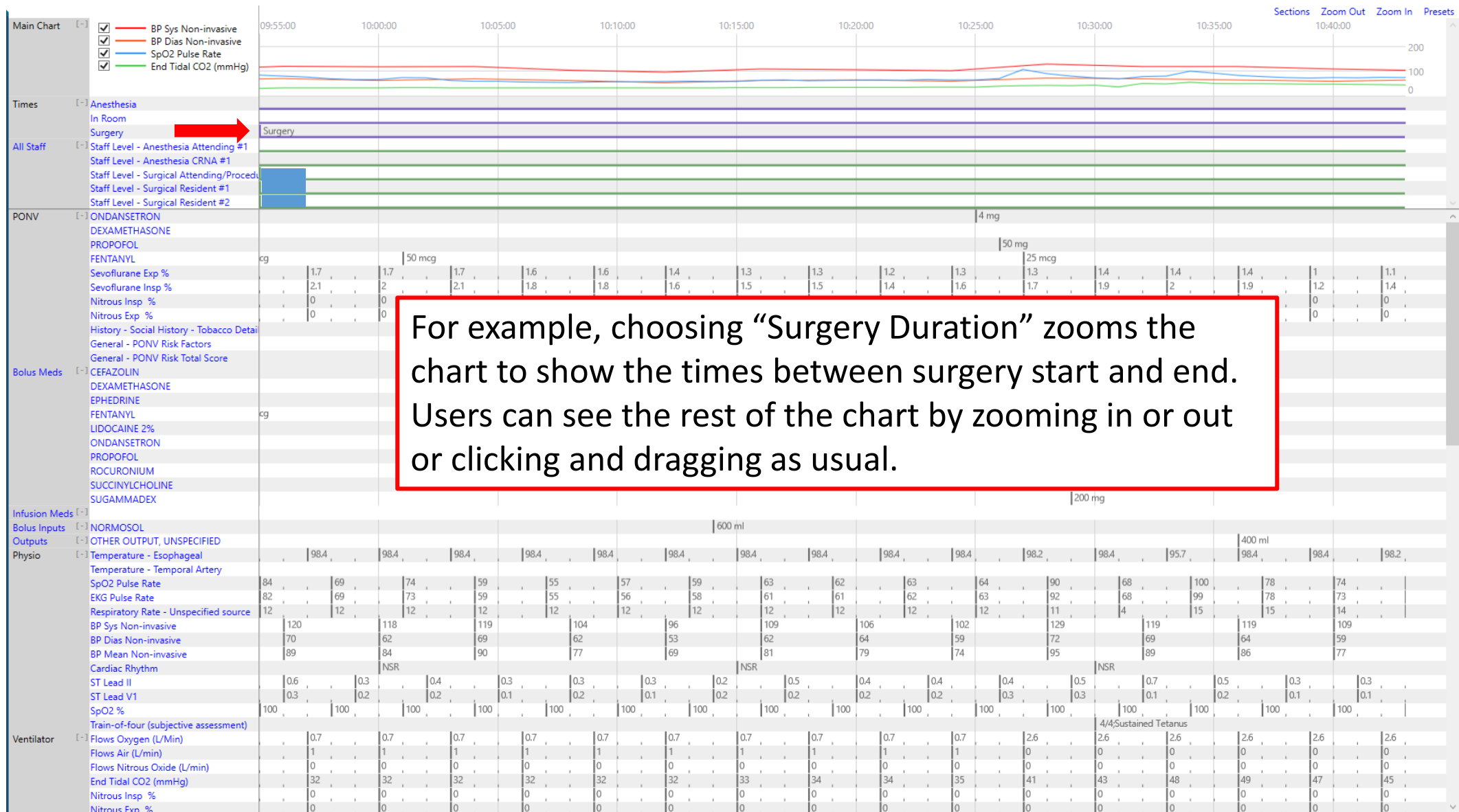
[illegible]

When using an imported case list and the box on the left to move through cases, any 'Section' you have open will remain open case to case

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”

The screenshot shows the 'Record Search' interface. On the left is a navigation menu with options: Chart, Record Search (selected), Administrative, H & P, Outcomes, and Labs. The main search area has a search bar containing 'propofol', a link '(What's This?)', and a 'Jump to surgery' button. Below the search bar, there are two panels for 'May 01, 2021 (day of surgery)'. The left panel displays a list of records: 10:20 PROPOFOL 80 mg, 10:21 PROPOFOL 20 mg, 10:21 PROPOFOL 20 mg, and 10:23 PROPOFOL 20 mg. Each record has a '+' button to its right, which is circled in red. The right panel shows a shopping cart with one item: 10:20 PROPOFOL 80 mg, which has an 'X' button to its right, also circled in red.

Time	Drug	Dose	Action
10:20	PROPOFOL	80 mg	+
10:21	PROPOFOL	20 mg	+
10:21	PROPOFOL	20 mg	+
10:23	PROPOFOL	20 mg	+

Time	Drug	Dose	Action
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

Record Search	50002 50003 Propofol lactated ringers		
Administrative	Feb 01, 2020 (day of surgery)		
H & P	07:30	Anesthesia Start	Anesthesia Start +
Outcomes	07:30	Patient in Room	RN Documented In Room +
Labs	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' (highlighted), 'Administrative', 'H & P', 'Outcomes', and 'Labs'. The main content area has a search bar with the placeholder text 'Search here' and a link '(What's This?)'. Below the search bar is a prompt 'Enter a search query above to find me'. To the right of the search bar is a 'Presets' button and a link 'Jump to surgery'. The 'Presets' dropdown menu is open, displaying a list of preset options: PAIN, PONV, GLU, NMB, TRAN, TEMP, BP, CARD, AKI, PUL, SUS, ABX, TOC, LMA, ETT, General, Sedation, Obstetrics, and Neuraxial.

This image shows the 'Record Search' interface with the search bar populated with the MPOG concept IDs: '10796|10797|3426|3361|3362|3405|50'. The 'Record Search' button is on the left, and the search bar is on the right. To the right of the search bar are the links '(What's This?)' and 'Presets'.

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	Procedure	REPAIR UMBILICAL HERNIA 2 / 2 TO STRANGULATED/INCARCERATED	Non Class	2
Record Search	anesthesia			
Administrative	Jan 01, 0001	No Valid Date Specified		
H&P	00:00	Assessment and Plan - Anesthesia Technique	General	+
Outcomes	00:00	Misc Note	Placed by Anesthesia Team	+
Labs	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	+
	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

The screenshot displays the MPOG record search interface. On the left, a list of search results is shown, grouped by date. The first group is for Dec 23, 2015 (366 days before surgery), which is highlighted with a red box. A red arrow points from this group to the right, where the 'Jump to surgery' button is located. The right side of the interface shows the detailed record for Dec 23, 2016 (day of surgery), which is also highlighted with a red box. The record lists various lab tests and their results, including POC - Glucose (Fingerstick) and Formal lab - Glucose, Serum/Plasma.

Date	Time	Test	Result	Unit
Dec 23, 2015	05:21	Formal lab - Glucose, Serum/Plasma	300	+
Dec 23, 2015	08:30	POC - Glucose (Fingerstick)	235	+
Dec 23, 2015	12:26	POC - Glucose (Fingerstick)	246	+
Dec 23, 2015	17:25	POC - Glucose (Fingerstick)	262	+
Jan 19, 2016	15:27	POC - Glucose (Fingerstick)	388	+
Jan 19, 2016	17:39	POC - Blood gas - Glucose	345	+
Feb 12, 2016	11:23	POC - Glucose (Fingerstick)	58	+
Feb 12, 2016	12:25	Formal lab - Glucose, Serum/Plasma	85	+
Feb 12, 2016	12:25	Formal lab - Glucose, Serum/Plasma	85	+

Date	Time	Test	Result	Unit
Dec 23, 2016	21:11	POC - Glucose (Fingerstick)	322	+
Dec 23, 2016	22:24	Formal lab - Glucose, Serum/Plasma	289	+
Dec 23, 2016	22:24	Formal lab - Glucose, Serum/Plasma	289	+
Dec 23, 2016	00:47	POC - Glucose (Fingerstick)	244	+
Dec 23, 2016	00:47	POC - Glucose (Fingerstick)	244	+
Dec 23, 2016	04:15	POC - Glucose (Fingerstick)	197	+
Dec 23, 2016	04:15	POC - Glucose (Fingerstick)	197	+
Dec 23, 2016	06:59	POC - Glucose (Fingerstick)	148	+
Dec 23, 2016	06:59	POC - Glucose (Fingerstick)	148	+
Dec 23, 2016	07:02	Formal lab - Glucose, Serum/Plasma	149	+
Dec 23, 2016	07:02	Formal lab - Glucose, Serum/Plasma	149	+
Dec 23, 2016	11:35	POC - Glucose (Fingerstick)	143	+
Dec 23, 2016	11:35	POC - Glucose (Fingerstick)	143	+
Dec 23, 2016	12:57	Anesthesia Start	Anesthesia Start	+
Dec 23, 2016	14:35	Anesthesia End	Anesthesia Finish	+
Dec 23, 2016	15:41	POC - Glucose (Fingerstick)	176	+
Dec 23, 2016	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	✕
09:40	FENTANYL	25 mcg	✕
10:34	FENTANYL	25 mcg	✕

	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

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	

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

Hospital Discharge Billing

Diagnosis Codes (ICD-9/10) Required

Code	Description	Type	Start 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
Z01.812	Encounter for preproc	Hospital Discharge	08-21-2017 08:44
Z01.812	Encounter for preproc	Hospital Discharge	08-21-2017 08:44
Z01.810	Encounter for preproc	Hospital Discharge	08-21-2017 08:44
Z01.810	Encounter for preproc	Hospital Discharge	08-21-2017 08:44
I34.0	Nonrheumatic mitral	Hospital Discharge	08-21-2017 08:44
I34.0	Nonrheumatic mitral	Hospital Discharge	08-21-2017 08:44
I34.0	Nonrheumatic mitral	Hospital Discharge	08-21-2017 08:44
I34.0	Nonrheumatic mitral	Hospital Discharge	08-29-2017 10:35

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
J3010	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 examinatio	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

Section	Category	Value	AIMS Description
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	General - Surgical Diagnosis History - Social History - General ALCOHOL: Amount: Low (Occasional) TOBACCO: Tobacco Use: None	Social Social History Social Social History
Medications	Current	General - Medications - Current 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 JMC Vasoactive Infusions
Review of Systems			

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

Mortality

Date of Death	No Data Found
---------------	---------------

Registries

Registry Name	No Data Found
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

Chart Record Search Administrative H&P Outcomes Labs	Procedure REPAIR UMBILICAL HERNIA > 5 YO 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 03:42	09-01-2019 07:03	09-02-2019 05:01			
Blood Bank	ABO/Rhesus (Rh) Factor													
	Antibody Screen													
Blood Gas	None documented													
Cardiac	Cholesterol	219												
	HDL	53												
	LDL	145												
	Triglycerides	107												
	Alanine Aminotransferase (ALT)	41												
Chemistry	Albumin	4.3												
	Alkaline Phosphatase	101												
	Aspartate Aminotransferase (AST)	23												
	Bilirubin, Total	0.6												
	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							2.2	2	2.1				
	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				
	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

Blood Bank	ABO/Rhesus (Rh) Factor	B Positive								Time	Value	Mapped As										
	Antibody Screen	Negative								06-03-2019 15:43	91	Formal lab - Glucose, Serum/Plasma										
Blood Gas	None documented									08-19-2019 17:19	71	Formal lab - Glucose, Serum/Plasma										
Cardiac	Cholesterol	219								08-28-2019 01:43	105	Formal lab - Glucose, Serum/Plasma										
	HDL	53								08-29-2019 10:10	117	Formal lab - Glucose, Serum/Plasma										
	LDL	145								08-30-2019 05:43	98	Formal lab - Glucose, Serum/Plasma										
	Triglycerides	107								08-31-2019 05:42	100	Formal lab - Glucose, Serum/Plasma										
Chemistry	Alanine Aminotransferase (ALT)	41	51							09-01-2019 07:03	93	Formal lab - Glucose, Serum/Plasma										
	Albumin	4.3	3.6							09-02-2019 05:01	93	Formal lab - Glucose, Serum/Plasma										
	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	8.5													
	Chloride	108	107	106	104	109	108	107	107													
	Creatinine	1.1	1.1	1.1	1.1	1	1	1.3	1													
	Glucose	91	71	105	117	98	100	93	93													
	Lactate	208	1.3																			
	LDH	208	1.2																			
		Magnesium						2.2														
		Potassium	4.2	3.7	4.2	4.2	3.9															
		Protein	7.2																			
	Sodium	144	142	139	140	141																
	Urea Nitrogen	13	13	13	10	9																
Coagulation	International Normalized Ratio (INR)				1	1.1																
	Partial Thromboplastin Time (PTT)				28.3	27.3																
	Prothrombin Time (PT)				13.1	13.2																
Complete Blood Count	Hemoglobin (HGB)	14.3	14.2	12.2	14.2	12.6																
	Hematocrit (HCT)	45.3	44.9	37.6	43.2	39.3																
	Platelets (PLT)	268	272	270	328	289																
	WBC Count	5.9	5.8	11.8	13.8	11.1																
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 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 > 5 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	09-02-2019 05:01				
Blood Bank	ABO/Rhesus (Rh) Factor											B Positive			
	Antibody Screen											Negative			
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		8.5				
	Chloride	108	107	108	104		109	108	107		107				
	Creatinine	1.1	1.1	1.1	1.1		1	1	1.3		1				
	Glucose	91	71	105	117		98	100	93		93				
	Lactate	2.8											1.3		
	LDH	208											1.2		
	Magnesium						2.2	2	2.1		2.1				
	Potassium	4.2	3.7	4.2	4.2		3.9	4.3	4		3.9				
	Protein	7.2											6.5		
	Sodium	144	142	139	140		141	141	141		139				
Urea Nitrogen	13	13	13	10		9	7	9		10					
Coagulation	International Normalized Ratio (INR)		1		1.1				1.1		1				
	Partial Thromboplastin Time (PTT)		28.3		27.3						27.5				
	Prothrombin Time (PT)		13.1		13.2				13.2		12.9				
Complete Blood Count	Hemoglobin (HGB)	14.3	14.2	12.2	14.2		12.6	12.5	12.7		11.6				
	Hematocrit (HCT)	45.3	44.9	37.6	43.2		39.3	38.3	38.6		36				
	Platelets (PLT)	268	272	270	328		289	302	323		319				
	WBC Count	5.9	5.8	11.8	13.8		11.1	11.3	11.3		9.9				
Drug Monitoring	None documented														
Endocrine	Hemoglobin A1c	4.7													
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

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
aeffd0cb-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
afffd0cb-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		HYDROMORPHIC
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 (Pi
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								tum
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

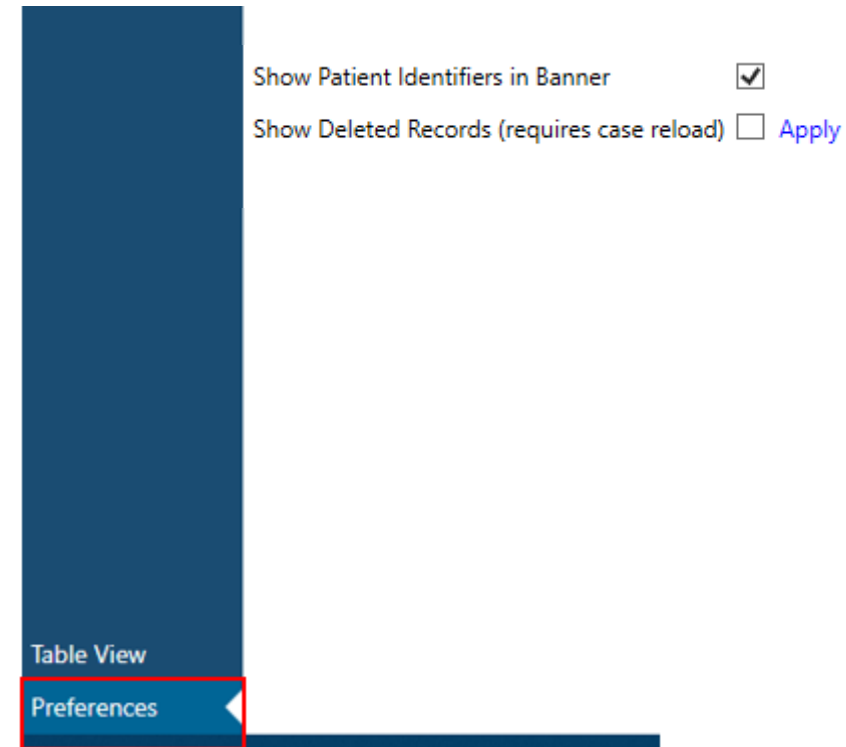
Table View

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