



MPOG Upgrade Release Notes

October 28, 2019

Case validation

- New questions: Labs and Preop/PACU Questions for Import Manager sites
- Reordered questions in the Case Information to include questions from Patient Information section (Patient Information section no longer exists)
- Removed height and weight questions
- Times in military time
- Review saved validation: can open a case in case viewer directly by double clicking the MPOG Case ID

Question	No / Missing	Comment	Date Reviewed	Question	Response	Comment	MPOG Case ID
Admission Type Mapping			07-12-2019 08:21	Is the admission type correctly mapped as 'Inpatient'?	Yes		6df65345-a89c-e1
Anesthesia Technique: General			08-05-2019 03:07	Is the admission type correctly mapped as 'Inpatient'?	Yes		ee5205-cd9f-e1
Anesthesia Technique: Peripheral			08-05-2019 03:13	Is the admission type correctly mapped as 'Outpatient'?	Yes		d431c927-f2ab-e1
Arterial Line			08-05-2019 03:22	Is the admission type correctly mapped as 'Outpatient'?	Yes		364a4d7b-3bb2-e1
ASA Status			08-05-2019 03:37	Is the admission type correctly mapped as 'Outpatient'?	Yes		791291c2-63b5-e1
BP Baseline			08-06-2019 01:34	Is the admission type correctly mapped as 'Outpatient'?	Yes		f6c2227-a9b0-e9
BP Systolic (Highest)			08-06-2019 01:46	Is the admission type correctly mapped as 'Outpatient'?	Yes		15b79b94-f1a2-e1
BP Systolic (Lowest)			08-06-2019 01:55	Is the admission type correctly mapped as 'Outpatient'?	Yes		48edc351-bbac-e1
Inhalational Agents			08-06-2019 02:01	Is the admission type correctly mapped as 'Outpatient'?	Yes		7c1291c2-63b5-e1
Med Total			08-06-2019 02:11	Is the admission type correctly mapped as 'Admit'?	Yes		43f55345-a89c-e1
Med Total: Bolus 1			08-06-2019 02:31	Is the admission type correctly mapped as 'Outpatient'?	Yes		27b728bc-63b5-e1
Med Total: Bolus 2			08-06-2019 02:37	Is the admission type correctly mapped as 'Outpatient'?	Yes		5ad36352-72b1-e1
Med Total: Largest Bolus			08-06-2019 03:59	Is the admission type correctly mapped as 'Admit'?	Yes		f0b69b94-f1a2-e1
			08-08-2019 11:06	Is the admission type correctly mapped as 'Admit'?	Yes		bbb728bc-63b5-e1
			08-08-2019 11:31	Is the admission type correctly mapped as 'Outpatient'?	Yes		b3335a7-04b3-e1
			08-08-2019 11:38	Is the admission type correctly mapped as 'Outpatient'?	Yes		7bb79b94-f1a2-e1
			08-08-2019 11:42	Is the admission type correctly mapped as 'Inpatient'?	Yes		43b79b94-f1a2-e1
			08-08-2019 11:45	Is the admission type correctly mapped as 'Inpatient'?	Yes		81ddb70a-049f-e1
			08-08-2019 11:51	Is the admission type correctly mapped as 'Outpatient'?	Yes		7231c927-f2ab-e1
			08-08-2019 11:54	Is the admission type correctly mapped as 'Admit'?	Yes		79ecc351-bbac-e1

- Funded sites: Case validation turns green after 10 validations completed (requirement remains at 5 validations for sites outside Michigan)

Case Validation

Pick case by MRN and date
 Patient MRN:
 Date of Operation: 10/29/2019

Pick case by case ID
 MPOG Case ID: 00000000-0000-0000-0000-000000000000

Pick random unreviewed case
 Time Period: 10/01/2019 0 / 10
 Service Type: (Any)

Pick already reviewed case
 Reviewed Cases:

2019-10	0 / 10
2019-09	20 / 10
2019-08	20 / 10
2019-07	20 / 10
2019-06	24 / 10
2019-05	4 / 10
2019-04	10 / 10
2019-03	5 / 10
2019-02	5 / 10
2019-01	5 / 10
2018-12	5 / 10
2018-11	5 / 10

Case Viewer V2

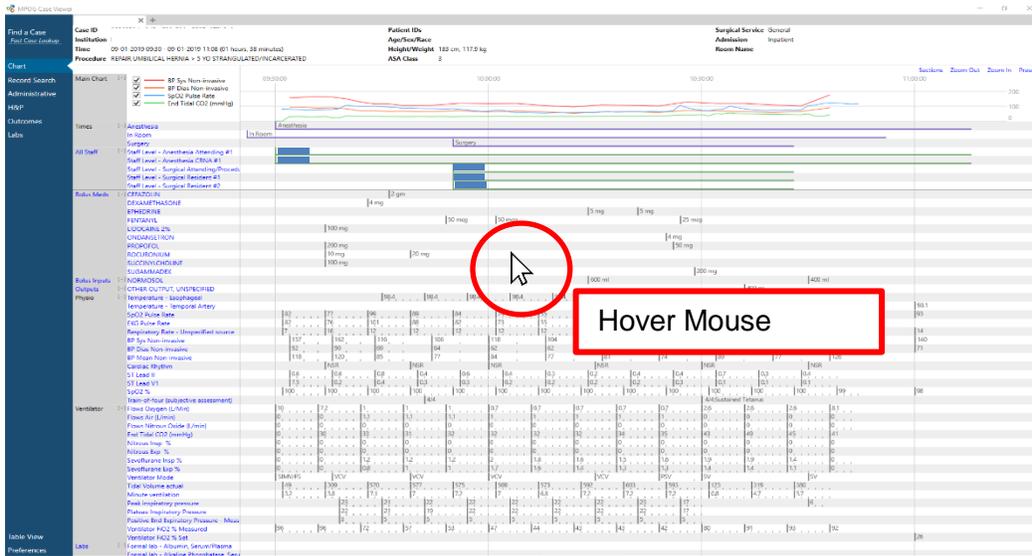
Case Viewer V2 is a new application for viewing case information. The original Case Viewer will remain available. New features of Case Viewer V2 include record search, new sections for measure review, and a new flowsheet and physiological grid designed to view prep and PACU data.

Quick tips for navigation:

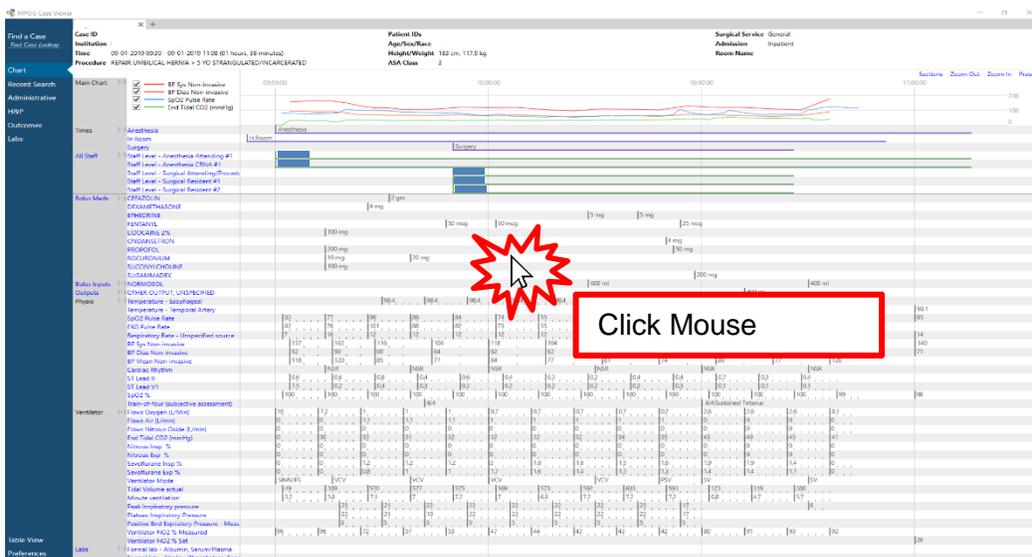
- Anything blue is clickable for more information
- Scroll through the chart view sections by either hovering over the grey bar and using the scroll wheel on your mouse OR using the scroll bar to the right. Use the “[-]” buttons to expand and collapse sections as needed.
- Default view shows PHI. To turn off, go to ‘Preferences’ in the lower left corner.

The screenshot displays the Case Viewer V2 interface. On the left, a sidebar contains navigation options: 'Main Chart', 'Record Search', 'Administrative', 'H&P', 'Outcomes', 'Labs', 'Times', 'All Staff', 'Basic Meds', 'Basic Inputs', 'Details', 'Physio', 'Ventilator', 'Table View', and 'Preferences'. The main area shows patient information (Case ID, Institution, Time, Procedure, Patient ID, Age/Sex/Race, Height/Weight, ASA Class, Surgical Service, General Admission, Inpatient, Room Name). Below this is a chart with various physiological parameters (BP Syst Non-invasive, BP Diast Non-invasive, SpO2 Pulse Rate, End Tidal CO2 (mmHg)) and a grid section. A red box highlights a mouse icon with a scroll wheel, and another red box highlights a scroll bar on the right side of the grid. A text box labeled 'Hover Mouse' is positioned over the grid section.

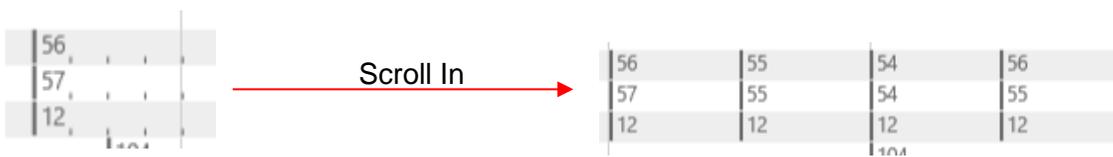
- To view more information in the grid section, hover the mouse pointer over the flow sheet and use the scroll bar to scroll in or out. “Zoom Out” and “Zoom In” buttons are also available in the upper right corner.



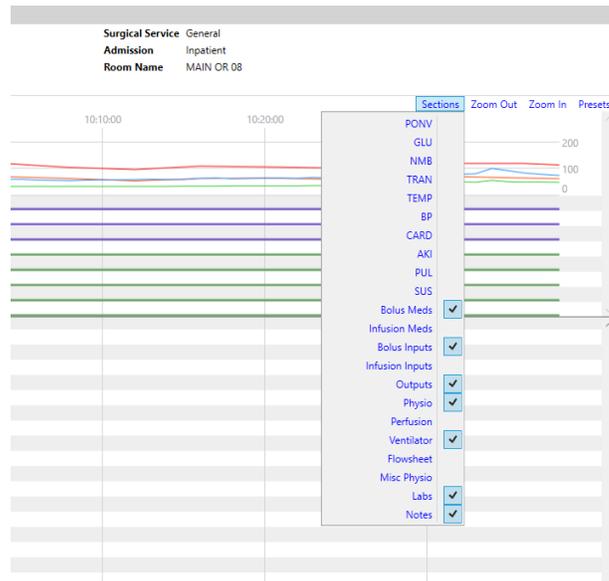
- To scroll left to right, click anywhere in the flowsheet and drag mouse left or right



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



- The “Sections” menu in the upper right corner allows users to add and remove sections from the body of the chart as needed. The MPOG Measure related sections (PONV, GLU, NMB, TRAN, TEMP, BP, CARD, AKI, PUL, and SUS) 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 antiemetics 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

PONV	ONDANSETRON	DEXAMETHASONE	PROPOFOL	FENTANYL	Sevoflurane Exp %	Sevoflurane Insp %	Nitrous Insp %	Nitrous Exp %
	4 mg	4 mg	200 mg	50 mcg	0	0	0	0
				1.7	0.8	1.2	0	0
				1.2	1.2	1.2	0	0
				2	1.2	1.2	0	0
				1.7	1.6	1.5	0	0
				1.4	1.5	1.5	0	0
				1.3	1.5	1.5	0	0
				1.2	1.2	1.2	0	0
				1.3	1.2	1.2	0	0
				1.4	1.4	1.4	0	0
				1.4	1.4	1.4	0	0
				1.9	1.9	1.9	0	0
				0	0	0	0	0

- Record Search allows users to search the entire chart for relevant information and temporarily save that information in the “shopping cart” to the right using the “+” and remove information from the shopping cart with the “X”. Information is arranged in chronological order. Users can utilize record search to look for information relevant to their chart evaluation in one location



Transfer to MPOG Central

- New status tab keeps track of which cases have been transferred and which have BRI data sent

Month	Total	To Scrub	Never Sent	To Resend
October 2019	6,387	6,387	6,387	0
September 2019	7,951	7,745	4	7,741
August 2019	8,683	8,683	1	8,682
July 2019	8,603	8,603	0	8,603
June 2019	8,070	8,070	0	8,070
May 2019	8,397	8,397	0	8,397
April 2019	8,764	8,764	0	8,764
March 2019	7,851	7,851	0	7,851
February 2019	7,633	7,633	0	7,633
January 2019	8,431	8,431	0	8,431
December 2018	7,161	7,161	0	7,161
November 2018	8,133	8,133	0	8,133
October 2018	8,617	8,617	0	8,617

Month	Total	Sent	Not Sent
October 2019	6,387	0	6,387
September 2019	7,951	2,000	5,951
August 2019	8,683	832	7,851
July 2019	8,603	0	8,603
June 2019	8,070	0	8,070
May 2019	8,397	0	8,397
April 2019	8,764	0	8,764
March 2019	7,851	0	7,851
February 2019	7,633	0	7,633
January 2019	8,431	44	8,387
December 2018	7,161	7,161	0
November 2018	8,133	8,133	0
October 2018	8,617	8,617	0

- BRI tracker applied during upload to track status and time remaining

Uploading data to MPOG Central Staging Area

Progress: 3%

Status: Uploading BRI

Cases Transferred: 66 of 2000 (0 to retry)

Time Remaining: 49 min

Stop Transfer Pause Transfer

Data Diagnostics

- New Diagnostics
 - Cases with Preop Notes
 - Cases with PACU Notes
 - Cases with Preop Meds
 - Cases with Postop Meds
 - Pediatric Cases per Month
 - PACU Recovery
 - PONV
 - Inspired Volatile Anesthetics
 - Cases with Preop Physiologic
 - Cases with Postop Physiologic
- Diagnostic descriptions now include more details allowing sites to trouble-shoot mapping and extract issues more easily.
- Case counts and case date now included in case drill down screen

Percentage of Cases with Hospital Discharge Diagnosis Codes

The selection has 8,397 cases available, with 8,200 cases meeting the diagnostics criteria.

Procedure	Date	Has Diagnoses?	
ESOPHAGOGASTRODUODENOSCOPY WITH BIOPSY	05-16-2019 08:45	Yes	
MIDLINE BRONCHOSCOPY - FLEXIBL MIDLINE BRONCHOSCOPY - RIGID	05-16-2019 10:00	No	
RIGHT PTOSIS CORRECTION	05-14-2019 18:00	Yes	
EGD WITH COLONOSCOPY W/ ANESTH	05-16-2019 12:15	Yes	
CYSTOSCOPY	05-13-2019 16:30	Yes	
MR SPINE TOTAL ANESTHESIA	05-13-2019 16:00	Yes	
RIGHT I AND D - SPECIFY BODY SITE	05-14-2019 09:25	Yes	
MIDLINE EXPLORATORY LAPAROTOM LEFT LAPAROSCOPIC ABDOMINAL ORCHIECTOMY	05-14-2019 11:00	Yes	
ELECTROCONVULSIVE THERAPY	05-15-2019 07:00	Yes	
MIDLINE HEMIFONTAN PROCEDUR MIDLINE GARDOLIC BUMP AGE 11MO 23M	05-13-2019 09:00	Yes	

Open Case Cancel

Location Mapping

- Auto tag button removed
- Added functionality to right click location tag and see all rooms that are currently assigned to that tag
- Now able to assign the same tags to multiple rooms through mutli-select
- If a grouper is mapped, then everything underneath will be checked and the tag will be greyed out because it is inherited from the grouper

The screenshot shows the 'Location Mapping' application interface. On the left, the 'Unmapped Rooms' panel lists various room types. The central 'Room Hierarchy' panel shows a tree structure for the 'University of Michigan Health System', with 'Ann Arbor - Main' expanded to show 'C. S. Mott Children's Hospital' and its sub-rooms, including 'ANTIRO-01'. A red box highlights 'C. S. Mott Children's Hospital'. On the right, the 'Location Tags' panel lists various tags, with 'Other - Pediatric' checked and highlighted by a red box. A text box in the center states: "Other-Pediatic" was inherited by "ANTIRO-01" through parent location "C.S. Mott Children's Hospital".

The screenshot shows the 'Location Mapping' application interface. The 'Room Hierarchy' panel shows 'C. S. Mott Children's Hospital' expanded to show 'ANTIRO-01', which is highlighted with a red box. The 'Location Tags' panel shows 'Other - Pediatric' checked and highlighted with a red box. The 'Unmapped Rooms' panel on the left is empty. The bottom of the interface shows buttons for 'Add Location', 'Rename Location', 'Delete Location', and 'Unmap Location'.