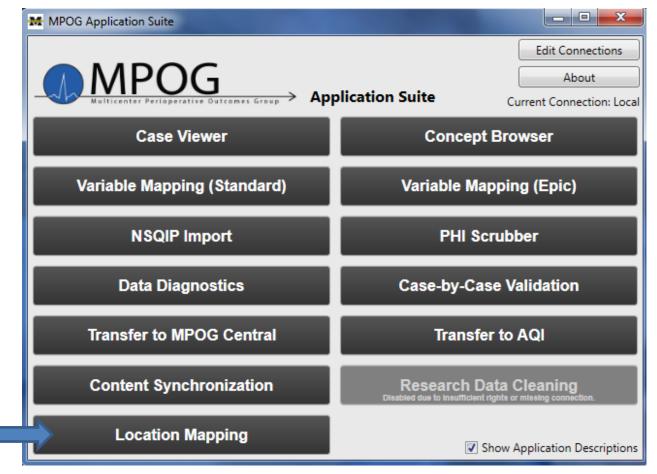
## **Location Mapping**

The Location Mapping utility provides sites the ability to establish a hierarchy of procedure rooms and facilities as they exist within the health system. Building the location hierarchy allows providers to filter performance data by operating locations. Assigning location tags provides the opportunity to filter and group locations that may have similar case types, though not physically located in the same building. For example, a site may have several outpatient surgery centers and would want to "group" the data from these locations to examine performance at outpatient facilities. Location mapping is also used to exclude certain case types for ASPIRE measures when CPT codes are not available, i.e. rooms tagged as labor and delivery rooms can be excluded as a means of excluding labor epidural cases. Mapping of locations is usually completed when a site initially joins MPOG but should be maintained as new rooms are added. The following education module explains how to access and utilize the Location Mapping application.

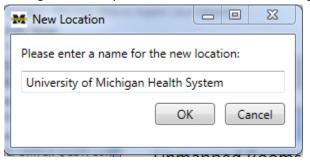
1. Access 'Location Mapping' on the MPOG Suite.



2. Select 'Add Location' from the bottom of the display box.

Unmapped Rooms	I	Room Hierarchy	
(Room Name Not Available)         *           ANAISYS-01         *           ANAISYS-02         *           ANAISYS-03         *           ANAISYS-04         *           ANAISYS-05         *           ANAISYS-05         *           ANAISYS-05         *           ANAISYS-05         *           ANAISYS-05         *           ANMOB-01         *           ANMOB-02         *           ANMOB-03         *           ANMOB-04         *           ANIRO-01         *           ANTIRO-02         *           ANTIRO-03         *           ANTIRO-05         *			Location Tags  Facility type - Acute care hospital Facility type - Attached ambulatory surgery center Facility type - frestanding ambulatory surgery center Facility type - forfice-based anesthesia DB-GYN - Labor and delivery DG-GYN - Obstetric operating room Other - Hybrid operating room Other - Mixed use operating room Other - Mixed use operating room Other - Offsite anesthesia Other - Outpainten surgery room Other - Pediatric Radiology - Interventional radiology Radiology - MRI Recovery - ICU Service specific room - Cardiac operating room Estrice specific room - Electrophysiology/Cardiac cat Estrice specific room - Endoscopy
Map to No location selected	Add Location Rename Location Delete Location	Unmap Location	View Tag Members

3. A text box will appear. Type the name of the primary site at your organization. For example: University of Michigan Health System, all other sites will be categorized under the primary location. Click "Ok."



4. The new location will populate the middle portion of the display box to begin the Room Heirarchy process.

M Location Mapping		
Unmapped Rooms	Room Hierarchy	
U-OFFS MPU U-OFFS RA2 U-OR 5 RA2 U-OR 01 U-OR 02 U-OR 03 U-OR 04 U-OR 05 U-OR 05 U-OR 06 U-OR 08 U-OR 08 U-OR 08 U-OR 10 U-OR 11 U-OR 11 U-OR 13 U-OR 14 U-OR 15 U-OR 16 U-OR 17 T	University of Michigan Health System  Location Tags  Facility type - Acute care hospital Facility type - Prestanding ambulatory surgery center Facility type - Prestanding ambulatory surgery center Facility type - Office-based anesthesia OB-GYN - Labor and delivery BR-GYN - Obstetric operating room Other - Minor procedure room Other - Officia ensethesia Other - Officia e	
Map to No location selected	Add Location         Rename Location         Delete Location         Unmap Location         View Tag Members	

 If your organization has multiple campuses or hospitals, continue to add those locations by selecting "Add Location." As new locations are added, you can 'click and drag' to list secondary sites under primary locations. For example, 'Ann Arbor Main Campus' is currently listed as another primary location but belongs under the Health System title.

Unmapped Rooms	Room Hierarchy	
(Room Name Not Available)         *           ANASYS-01         *           ANASYS-02         *           ANASYS-03         *           ANASYS-04         *           ANASYS-05         *           ANASYS-06         *           ANASYS-07         *           ANASYS-08         *           ANASYS-09         *           ANASYS-04         *           ANASYS-05         *           ANASYS-04         *           ANASYS-05         *           ANMOB-01         *           ANMOB-02         *           ANMOB-03         *           ANMOB-04         *           ANTIRO-01         *           ANTIRO-02         *           ANTIRO-03         *           ANTIRO-05         *	Ann Arbor Main Campus University of Michigan Health System	Location Tags Facility type - Acute care hospital Facility type - Attached ambulatory surgery center Facility type - Office-based anesthesia OB-GYN - Labor and delivery OB-GYN - Labor and delivery OB-GYN - Distertic operating room Other - Hybrid operating room Other - Mixed use operating room Other - Offiste anesthesia Other - Pediatric Radiology - Interventional radiology Radiology - Interventional radiology Radiology - NRI Recovery - PACU Service specific room - Electrophysiology/Cardiac cat Service specific room - Electrophysiology/Cardiac cat
Map to Ann Arbor Main Campus	Add Location Rename Location Delete Location Unmap Location	View Tag Members

6. Clicking on 'Ann Arbor Main Campus' and dragging it over the 'University of Michigan Health System' title will indent the secondary site to be listed under the primary.

M Location Mapping		
Unmapped Rooms	Room Hierarchy	
(Room Name Not Available)         *           ANAISYS-01         *           ANAISYS-02         ANAISYS-02           ANAISYS-03         ANAISYS-04           ANAISYS-05         ANAISYS-05           ANAISYS-05         ANAISYS-04           ANMOB-04         ANMOB-05           ANMOB-05         ANMOB-06           ANMOB-06         ANMOB-07           ANTIRO-01         ANTIRO-02           ANTIRO-04         ANTIRO-04           ANTIRO-05         ANTIRO-06	✓ University of Michigan Health System Ann Arbor Main Campus	Location Tags Facility type - Acute care hospital Facility type - Attached ambulatory surgery center Facility type - Frestanding ambulatory surgery center Facility type - Office-based anesthesia OB-GYN - Obstetric operating room Other - Hybrid operating room Other - Nimor procedure room Other - Nimor procedure room Other - Nited use operating room Other - Ottpatient surgery room Other - Ottpatient surgery room Other - Pediatric Radiology - Interventional radiology Radiology - Interventional radiology Recovery - PACU Service specific room - Cardiac operating room Service specific room - Electrophysiology/Cardiac cath Service specific room - Endoscopy
Map to University of Michigan Healt	Add Location Rename Location Delete Location Unmap Location	View Tag Members

7. Continue to sort by clicking and dragging titles to properly reflect sites and locations at your facility. See example below.

M Location Mapping	and the second se	
Unmapped Rooms	Room Hierarchy	
(Room Name Not Available) ANAISYS-01 ANAISYS-02 ANAISYS-02 ANAISYS-03 ANAISYS-05 ANAISYS-05 ANAISYS-05 ANMOB-01 ANMOB-01 ANMOB-01 ANMOB-03 ANMOB-04 ANMOB-05 ANMOB-06 ANMOB-07 ANTIRO-01 ANTIRO-02 ANTIRO-03 ANTIRO-05 ANTIRO-05 ANTIRO-05 ANTIRO-06	<ul> <li>University of Michigan Health System         <ul> <li>Ann Arbor Main Campus</li> <li>C.S. Mott Children's Hospital</li> <li>Cancer Center</li> <li>CVC</li> <li>Main Hospital</li> <li>Women's Hospital</li> <li>East Ann Arbor Ambulatory Surgery Center</li> <li>Kellogg Eye Center</li> <li>Northville Surgery Center</li> </ul> </li> </ul>	Location Tags Facility type - Acute care hospital Facility type - Attached ambulatory surgery center Facility type - Freestanding ambulatory surgery center Facility type - Office-based anesthesia OB-GYN - Obstetric operating room Other - Hybrid operating room Other - Mixed use operating room Other - Offsite anesthesia Other - Offsite anesthesia Other - Outpatient surgery room Other - Pediatric Radiology - Interventional radiology Radiology - MRI Recovery - ICU Service specific room - Cardiac operating room Service specific room - Electrophysiology/Cardiac cath Service specific room - Endoscopy
Map to No location selected	Add Location Rename Location Delete Location Unmap Location	View Tag Members

8. Click on the site in the middle of the screen that you would like to assign operating rooms. In the example below, 'CVC' is selected.

Unmapped Rooms	Room Hierarchy	
CVC OS EP3 CVC OS EP4 CVC-CTH 01 CVC-CTH 02 CVC-CTH 04	University of Michigan Health System     Ann Arbor Main Campus     C.S. Mott Children's Hospital     Cancer Center     CVC     Main Hospital	Location Tags Facility type - Acute care hospital Facility type - Attached ambulatory surgery center Facility type - Freestanding ambulatory surgery center Facility type - Office-based anesthesia
CVC-CTH V1 CVC-CTH V1 CVC-CTH V2 CVC-EP 01 CVC-EP 02 CVC-EP 03	Women's Hospital East Ann Arbor Ambulatory Surgery Center Kellogg Eye Center Northville Surgery Center	OB-GYN - Labor and delivery OB-GYN - Obstetric operating room Other - Hybrid operating room Other - Minor procedure room Other - Mixed use operating room Other - Offsite anesthesia Other - Outbatient surgery room
CVC-EP 04 CVC-EP 05 CVC-EP 05CR CVC-EP 06 CVC-EP PROC CVC-EP PROC CVCOFFS 01		Other - Pediatric Radiology - Interventional radiology Radiology - MRI Recovery - ICU Recovery - PACU Service specific room - Cardiac operating room
CVCOFES 02		Service specific room - Electrophysiology/Cardiac Service specific room - Endoscopy

9. Select operating rooms from the left side of the screen. You can map one room at a time or select a group of rooms by holding the 'shift' key down and selecting all rooms applicable. It is also possible to click and drag rooms to sites within the hierarchy.

M Location Mapping		
Unmapped Rooms	Room Hierarchy	
C-82A C-828 COR 01 CVC OS EP1 CVC OS EP2 CVC OS EP3 CVC OS EP3 CVC COS EP3 CVC-CTH 01 CVC-CTH 02 CVC-CTH 04 CVC-CTH 04 CVC-CTH 04 CVC-CTH W1 CVC-CTH W1 CVC-CTH W2 CVC-EP 02 CVC-EP 03 CVC-EP 05 CVC-EP 0	<ul> <li>University of Michigan Health System         <ul> <li>Ann Arbor Main Campus</li> <li>C.S. Mott Children's Hospital</li> <li>Cancer Center</li> <li>CVC</li> <li>Main Hospital</li> <li>Women's Hospital</li> <li>East Ann Arbor Ambulatory Surgery Center</li> <li>Kellogg Eye Center</li> <li>Northville Surgery Center</li> </ul> </li> </ul>	Location Tags Facility type - Acute care hospital Facility type - Attached ambulatory surgery center Facility type - Freestanding ambulatory surgery center Facility type - Office-based anesthesia OB-GYN - Labor and delivery OB-GYN - Obstetric operating room Other - Hybrid operating room Other - Minor procedure room Other - Minor procedure room Other - Outpatient surgery room Other - Outpatient surgery room Other - Outpatient surgery room Other - Pediatric Fadiology - Interventional radiology Radiology - MRU Recovery - ICU Service specific room - Cardiac operating room Service specific room - Electrophysiology/Cardiac cath Service specific room - Electrophysiology/Cardiac cath
Map to CVC	Add Location Rename Location Delete Location Unmap Location	View Tag Members

10. Now select the "Map to CVC' button in the bottom left corner. All of the selected anesthetizing locations will move under the CVC title in the middle portion of the display box.

M Location Mapping	
Unmapped Rooms	Room Hierarchy
C-82A C-828 C-0R 01 CVC 05 EP1 CVC 05 EP3 CVC 05 EP3 CVC 05 EP3 CVC 05 EP4 CVC-CTH 02 CVC-CTH 02 CVC-CTH 04 CVC-CTH 04 CVC-CTH 04 CVC-CTH 04 CVC-CTH 04 CVC-CTH 04 CVC-CTH 02 CVC-EP 01 CVC-EP 02 CVC-EP 05 CVC-EP	<ul> <li>University of Michigan Health System</li> <li>Ann Arbor Main Campus</li> <li>C.S. Mott Children's Hospital Cancer Center</li> <li>Cox Mott Children's Hospital Cancer Center</li> <li>Cox Main Hospital Women's Hospital</li> <li>Women's Hospital</li> <li>Best Ann Arbor Ambulatory Surgery Center</li> <li>Facility type - Actuce Care hospital</li> <li>Best Ann Arbor Ambulatory Surgery Center</li> <li>Main Hospital</li> <li>Cher - Hybrid Operating room</li> <li>Cher - Mixed use operating room</li> <li>Cher - Outpainer Surgery room</li> <li>Cher - Pacitic</li> <li>Badiology - MRI</li> <li>Recovery - PACU</li> <li>Service specific room - Eactrophysiology/Cardiac cath</li> <li>Service specific room - Endroscopy</li> </ul>
Map to CVC	Add Location Rename Location Delete Location Unmap Location View Tag Members
M Location Mapping	
Unmapped Rooms	Room Hierarchy
C-B2A C-B2A C-0R 01 CVC-EP 01 CVC-EP 02 CVC-EP 03 CVC-EP 03 CVC-EP 05 CVC-EP 05 CVC-EP 05 CVC-EP 05 CVC-EP 05 CVC-EP PRO CVC-EP PRO CVC-EP PRO CVC-EP PRO CVC-EP 03 CVC-CFS 01 CVCOFFS 03 CVC-OR 01 CVC-OR 03 CVC-OR 03 CVC-OR 03 CVC-OR 05 V	<ul> <li>University of Michigan Health System</li> <li>Ann Arbor Main Campus</li> <li>C.S. Mott Children's Hospital Cancer Center</li> <li>CVC OS EP1</li> <li>CVC OS EP2</li> <li>CVC OS EP3</li> <li>CVC CTH 01</li> <li>CVC-CTH 02</li> <li>CVC-CTH 03</li> <li>CVC-CTH 04</li> <li>CVC-CTH 05</li> <li>CVC-CTH 04</li> <li>CVC-CTH 04</li> <li>CVC-CTH 05</li> <li>CVC-CTH 04</li> <li>CVC-CTH 04</li> <li>CVC-CTH 05</li> <li>CVC-CTH 04</li> <li>CVC-CTH 04</li> <li>CVC-CTH 04</li> <li>CVC-CTH 05</li> <li>CVC-CTH 04</li> <li>CVC-CTH 07</li> <li>CVC-CTH 08</li> <li>CVC-CTH 09</li> <li>CVC-CTH 09</li> <li>CVC-CTH 09</li> <li>CVC-CTH 09</li> <li>CVC-CTH 00</li> <li>CVC-CTH 00</li> <li>CVC-CTH 01</li> <li>CVC-CTH 02</li> <li>CVC-CTH 03</li> <li>CVC-CTH 04</li> <li>CVC-CTH 04</li> <li>CVC-CTH 05</li> <li>CVC-CTH 05</li> <li>CVC-CTH 07</li> <li>CVC-CTH 08</li> <li>CVC-CTH 09</li> <li>CVC-CTH 09</li> <li>CVC-CTH 09</li> <li>CVC-CTH 09</li> <li>CVC-CTH 00</li> <li>CVC-CTH 00</li></ul>
Map to CVC	Add Location Rename Location Unmap Location View Tag Members

- 12. Continue mapping all unmapped rooms from the left column to the appropriate locations in the middle 'Room Heirarchy' column. <u>Epic Sites:</u> 'Unspecified Room' will remain in the unmapped rooms category and should not be mapped to a location as the 'unspecified room' designation is typically used across a variety of sites within the organization.
- 13. Each room can now be 'tagged' to indicate the type of room or type of procedures performed in each OR/procedure area. Select a room from the 'Room Heirarchy' list.

Unmapped Rooms	Room Hierarchy	
C-B2A C-B2B C-OR 01 CVC-EP 01 CVC-EP 02	University of Michigan Health System     Ann Arbor Main Campus     C.S. Mott Children's Hospital     Cancer Center     CVC     VCC OS EPI	Location Tags     Facility type - Acute care hospital     Facility type - Attached ambulatory surgery cente     Facility type - Freestanding ambulatory surgery cente     Facility type - Office-based anesthesia
CVC-EP 04 CVC-EP 05CR CVC-EP 05CR CVC-EP 06 CVC-EP PRO CVC-EP PRO CVC-EP PRO CVCOFFS 01 CVCOFFS 02 CVCOFFS 03 CVC-OR 01 CVC-OR 02 CVC-OR 03 CVC-OR 04 CVC-OR 05	CVC OS EP2 CVC OS EP3 CVC OS EP4 CVC-CTH 01 CVC-CTH 02 CVC-CTH 04 CVC-CTH 05 CVC-CTH W2 Main Hospital Women's Hospital East Ann Arbor Ambulatory Surgery Center Kellogg Eye Center	OB-GYN - Labor and delivery     OB-GYN - Dostetric operating room     Other - Ninor procedure room     Other - Minor procedure room     Other - Offsite anesthesia     Other - Offsite anesthesia     Other - Ottpatient surgery room     Other - Outpatient surgery room     Other - Deliatric     Radiology - Interventional radiology     Radiology - NRI     Recovery - PACU     Service specific room - Cardiac operating room     Service specific room - Enctorophysiology/Cardiac     Service specific room - Enctoscopy
Map to CVC	Add Location Rename Location Delete Location Unmap Location	

14. While the room is highlighted, click the appropriate 'location tags' from the right side of the display box to designate what procedures occur in the selected room. In the example below, the tags of 'Facility type- Acute care hospital' and 'Service specific room- Electrophysiology/Cardiac Cath' are applied to the CVC OS EP1 room.

M Location Mapping	
Unmapped Rooms	Room Hierarchy
C-B2A C-B2A C-CR 01 CVC-EP 01 CVC-EP 03 CVC-EP 03 CVC-EP 03 CVC-EP 05 CVC-EP 05	Volversity of Michigan Health System     Ann Arbor Main Campus     C.S. Mott Children's Hospital     Cancer Center     CVC     VC OS EP1     CVC OS EP2     CVC OS EP3     CVC OS EP4     CVC-CTH 01     CVC-CTH 02     CVC-CTH 05     CVC-CTH 05

- 15. Continue assigning the proper location tags for all rooms in the room hierarchy. There is no need to save any changes to room locations or tags. Any changes made are automatically saved.
- 16. To update the location mappings, the MPOG/ASPIRE programmer for your site will need to run the following script: EXEC Locations\_UpdateCaseLocations. It is recommended that this script be programmed to run automatically on a schedule basis before diagnostics to capture any mapping changes that may occur in the future.
- 17. <u>Note</u>: It is possible to rename, delete, or unmap locations as necessary using the buttons at the bottom of the display box. However, if an operating room or location is no longer in use, it is best to leave mapped as historical data will still rely upon this hierarchy.

## For questions or comments, please contact:

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