

Module 4 Location Mapping



Location Mapping

- Provides sites the ability to establish a hierarchy of facilities and procedure room locations as they exist within the health system
- Allows providers to filter performance data by operating locations
- Provides the opportunity to filter and group locations that may have similar case types, though not physically located in the same building.



Location Mapping

- Example for use: a site may have several outpatient surgery centers and would want to "group" the data from these locations to examine performance at outpatient facilities.
- Mapping of locations is usually completed when a site initially joins MPOG but should be maintained as new rooms are added.

Additional Filters

+ Location

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

Ambulatory Care Ann Arbor - Main Briarwood Medical Group Brighton Health Center C. S. Mott Children's Hospital Comprehensive Cancer Center ORs East Ann Arbor Health and Geriatrics Center Frankel Cardiovascular Center Kellogg Eye Center Livonia Health Center University Hospital University of Michigan Health System Von Voigtlander Women's Hospital



Access 'Location Mapping' on the MPOG Suite



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

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Unmapped Rooms	Room Hierarchy	
(Room Name Not Available) • ANAISYS-01 • ANAISYS-02 • ANAISYS-03 • ANAISYS-04 • ANAISYS-05 • ANAISYS-064 • ANAISYS-05 • ANAISYS-04 • ANAISYS-05 • ANAISYS-1UB • ANMOB-01 • ANMOB-02 • ANMOB-03 • ANMOB-04 • ANMOB-05 • ANIRO-01 • ANTIRO-02 • ANTIRO-03 • ANTIRO-05 •		Location Tags
Map to No location selected	Add Location Rename Location Delete Location Unmap Location	View Tag Members



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."





The new location will populate the middle portion of the display box to begin the Room Hierarchy process

Unmapped Rooms	Room Hier	archy
J-OFFS MPU J-OFFS RA2 J-OFFS RAD J-OR 01 J-OR 02 J-OR 03 J-OR 04 J-OR 05 J-OR 06 J-OR 07 J-OR 06 J-OR 07 J-OR 08 J-OR 09 J-OR 10 J-OR 11 J-OR 12 J-OR 13 J-OR 14 J-OR 15 J-OR 16 J-OR 17 •	University of Michigan Health System	Location Tags
Map to No location selected	Add Location Rename Location Delete Location Unman	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.

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Unmapped Rooms	Room Hierarchy	
(Room Name Not Available) ANAISYS-01 ANAISYS-02 ANAISYS-03 ANAISYS-04 ANAISYS-05 ANAISYS-04 ANAISYS-05 ANAISYS-04 ANAISYS-05 ANAISYS-05 ANMOB-01 ANMOB-02 ANMOB-03 ANMOB-04 ANMOB-05 ANMOB-06 ANMOB-07 ANTIRO-01 ANTIRO-03 ANTIRO-04 ANTIRO-05 ANTIRO-06	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 - Obsteric operating room Other - Hybrid operating room Other - Mixed use operating room Other - Mixed use operating room Other - Othize anesthesia Other - Outpatient surgery room Other - Pediatric Radiology - Interventional radiology Radiology - MRI Recovery - ICU Recovery - ICU Service specific room - Cardiac operating room Service specific room - Indescover
Map to Ann Arbor Main Campus	Add Location Rename Location Delete Location Unmap Location	View Tag Members

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

Unmapped Rooms	Room Hierarchy	
(Room Name Not Available) // ANAISYS-01 // ANAISYS-02 ANAISYS-02 ANAISYS-05 ANAISYS-05 ANAISYS-05 ANAISYS-1UB ANMOB-01 ANMOB-02 ANMOB-03 ANMOB-03 ANMOB-03 ANMOB-04 ANMOB-05 ANMOB-05 ANTIRO-01 ANTIRO-03 ANTIRO-05 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 - Freestanding ambulatory surgery center Facility type - Office-based anesthesia OB-GYN - Obstetric operating room Other - Hybrid operating room Other - Mixed use operating room Other - Mixed use operating room Other - Office anesthesia Other - Office anesthesia Other - Otypatient 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 University of Michigan Healt	Add Location Rename Location Delete Location Unmap Location	View Tag Members



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

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Unmapped Rooms	Room Hierarchy	
(Room Name Not Available) ANAISYS-01 ANAISYS-02 ANAISYS-03 ANAISYS-04 ANAISYS-05 ANAISYS-06 ANMOB-01 ANMOB-02 ANMOB-03 ANMOB-05 ANMOB-06 ANMOB-07 ANTIRO-01 ANTIRO-03 ANTIRO-04 ANTIRO-05 ANTIRO-05 ANTIRO-06	 University of Michigan Health System Ann Arbor Main Campus C.S. Mott Children's Hospital Cancer Center CVC Main Hospital Women's Hospital East Ann Arbor Ambulatory Surgery Center Kellogg Eye Center Northville Surgery Center 	Location Tags Facility type - Acute care hospital acility type - Attached ambulatory surgery center Facility type - Freestanding ambulatory surgery center Facility type - Office-based anesthesia DB-GYN - Labor and delivery DB-GYN - Obstetric operating room Other - Hybrid operating room Other - Mixed use operating room Other - Mixed use operating room Other - Officie anesthesia Other - Officie anesthesia Other - Outpatient surgery room Other - Outpatient surgery room Other - Outpatient surgery room Other - Pediatric Radiology - Interventional radiology Radiology - Interventional radiology 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



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.

M Location Mapping	Contraction of the local data and the local data an	
Unmapped Rooms	Room Hierarchy	
CVC OS EP3 CVC OS EP4 CVC-CTH 01 CVC-CTH 02 CVC-CTH 03 CVC-CTH 04 CVC-CTH 04 CVC-CTH W1 CVC-CTH W2 CVC-EP 01 CVC-EP 01 CVC-EP 03 CVC-EP 03 CVC-EP 03 CVC-EP 03 CVC-EP 03 CVC-EP 04 CVC-EP 05 CVC-EP 05 CVC-EP 05 CVC-EP 05 CVC-EP 06 CVC-EP 07 CVC-EP	 University of Michigan Health System Ann Arbor Main Campus C.S. Mott Children's Hospital Cancer Center CVC Main Hospital Women's Hospital East Ann Arbor Ambulatory Surgery Center Kellogg Eye Center Northville Surgery Center 	Location Tags
Map to CVC	Add Location Rename Location Delete Location Unmap Location	View Tag Members



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.

Unmapped Rooms	Room Hierarchy	
C-B2A C-B2B C-OR 01 CVC OS EP1 CVC OS EP2 CVC OS EP2 CVC OS EP3 CVC OS EP4 CVC-CTH 01 CVC-CTH 02 CVC-CTH 04 CVC-CTH 05 CVC-CTH W1 CVC-CTH W2 CVC-CTH W2 CVC-CTH W2 CVC-EP 03 CVC-EP 05 CVC-EP 0	 University of Michigan Health System Ann Arbor Main Campus C.S. Mott Children's Hospital Cancer Center CVC Main Hospital Women's Hospital East Ann Arbor Ambulatory Surgery Center Kellogg Eye Center Northville Surgery Center 	Location Tags Facility type - Acute care hospital Facility type - Attached ambulatory surgery center Facility type - Freestanding ambulatory surgery center Facility type - Office-based anesthesia GB-GYN - Labor and delivery GDB-GYN - Dostetric operating room Other - Hybrid operating room Other - Mixed use operating room Other - Offiste anesthesia Other - Otiste anesthesia Other - Outpatient surgery room Other - Outpatient surgery room Other - Radiology - Interventional radiology Radiology - MRI Recovery - ICU Service specific room - Cardiac operating room Service specific room - Electrophysiology/Cardiac cath Service specific room - Electrophysiology/Cardiac cath



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.

Unmapped Rooms	Room Hierarchy	
C-B2A C-B2B C-OR 01 CVC OS EP1 CVC OS EP2 CVC OS EP3 CVC OS EP4 CVC-CTH 01 CVC-CTH 02 CVC-CTH 03 CVC-CTH 04 CVC-CTH 05 CVC-CTH 04 CVC-EP 01 CVC-EP 01 CVC-EP 03 CVC-EP 03 CVC-EP 05	 University of Michigan Health System Ann Arbor Main Campus C.S. Mott Children's Hospital Cancer Center CVC Main Hospital Women's Hospital East Ann Arbor Ambulatory Surgery Center Kellogg Eye Center Northville Surgery Center 	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 - Mixed use operating room Other - Mixed use operating room Other - Otfisite anesthesia Other - Outpatient surgery room Other - Pediatric Radiology - MRI Recovery - PACU Service specific room - Cardiac operating room Service specific room - Electrophysiology/Cardiac cath Service specific room - Endoscopy
Man to CVC	Add Location Rename Location Delate Location Upmon Location	View Tag Memberr



Continue mapping all unmapped rooms from the left column to the appropriate locations in the middle 'Room Hierarchy' column. **Epic Sites:** '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.

Unmapped Rooms	Room Hierarchy	
C-B2A C-B2B C-OR 01 CVC-EP 01 CVC-EP 02 CVC-EP 03 CVC-EP 05 CVC-EP 05 CVC-EP 05 CVC-EP 05 CVC-EP 06 CVC-EP PRO CVC-EP PRO CVC-F5 01 CVCOFF5 02 CVCOFF5 02 CVCOFF5 03 CVC-OR 04 CVC-OR 05	 University of Michigan Health System Ann Arbor Main Campus CS. Mott Children's Hospital Cancer Center CVC CVC OS EP1 CVC OS EP2 CVC OS EP3 CVC OS EP4 CVC-CTH 02 CVC-CTH 03 CVC-CTH 04 CVC-CTH 05 CVC-CTH W1 CVC-CTH W2 Main Hospital Women's Hospital East Ann Arbor Ambulatory Surgery Center Kellogg Eye Center 	Location Tags Facility type - Acute care hospital Facility type - Attached ambulatory surgery center Facility type - Office-based anesthesia DB-GYN - Labor and delivery DB-GYN - Obstetric operating room Other - Hybrid operating room Other - Mixed use operating room Other - Mixed use operating room Other - Dediatric Radiology - Interventional radiology Radiology - Interventional radiology Radiology - MRI Recovery - PACU Service specific room - Cardiac operating room Eservice specific room - Electrophysiology/Cardiac cath Service specific room - Endoscopy
Map to CVC	Add Location Rename Location Delete Location Unmap Location	View Tag Members



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 Hierarchy' list.

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Unmapped Rooms	Room Hierarchy	
C-B2A ▲ C-B2B ▲ C-OR 01 □ CVC-EP 01 ↓ CVC-EP 02 ↓ CVC-EP 03 ↓ CVC-EP 04 ↓ CVC-EP 05CR ↓ CVC-EP 06 ↓ CVC-EP 07 ↓ CVC-EP 08 ↓ CVC-EP 09 ↓ CVC-EP 08 ↓ CVC-FF 01 ↓ CVCOFFS 01 ↓ CVCOFFS 02 ↓ CVC-OFFS 03 ↓ CVC-OR 04 ↓ CVC-OR 05 ▼	 University of Michigan Health System Ann Arbor Main Campus C.S. Mott Children's Hospital Cancer Center CVC CVC OS EP1 CVC OS EP2 CVC OS EP3 CVC CTH 01 CVC-CTH 02 CVC-CTH 03 CVC-CTH 04 CVC-CTH 04 CVC-CTH W1 CVC-CTH W1 CVC-CTH W2 Main Hospital Women's Hospital East Ann Arbor Ambulatory Surgery Center Kellogg Eye Center 	Location Tags Facility type - Acute care hospital Facility type - Attached ambulatory surgery center Facility type - Treestanding ambulatory surgery center Facility type - Office-based anesthesia OB-GYN - Labor and delivery OB-GYN - Obstetric operating room Other - Hybrid operating room Other - Mixoe use operating room Other - Offsite anesthesia Other - Pediatric Radiology - MRI Recovery - ICU Service specific room - Cardiac operating room Service specific room - Electrophysiology/Cardiac cath Service specific room - Endoscopy
Map to CVC	Add Location Rename Location Delete Location Unmap Location	View Tag Members



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. Use Ctrl + Shift to select multiple rooms at a time

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Unmapped Rooms	Room Hierarchy	
C-B2A C-B2B C-OR 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 06 CVC-EP 07 CVC-EP 07 CVC-EP 08 CVC-EP 08 CVC-OR 01 CVC-OR 02 CVC-OR 03 CVC-OR 05 VC-OR 05 VC-OR 05 VC-OR 05 VC-OR 05 VC-OR 05 VC-OR 08 VC-OR	 University of Michigan Health System Ann Arbor Main Campus C.S. Mott Children's Hospital Cancer Center CVC CVC OS EP1 CVC OS EP2 CVC OS EP3 CVC OS EP4 CVC-CTH 01 CVC-CTH 02 CVC-CTH 03 CVC-CTH 04 CVC-CTH 04 CVC-CTH W1 CVC-CTH W1 CVC-CTH W2 Main Hospital Women's Hospital East Ann Arbor Ambulatory Surgery Center Kellogg Eye Center 	Location Tags Facility type - Acute care hospital Facility type - Attached ambulatory surgery center Facility type - Preestanding ambulatory surgery center Facility type - Office-based anesthesia OB-GYN - Dostetric operating room Other - Hybrid operating room Other - Hybrid operating room Other - Mixed use operating room Other - Offsite anesthesia Other - Ottatent surgery room Other - Ottatent surgery room Other - Pediatric Radiology - Interventional radiology Radiology - Interventional radiology Bervice specific room - Cardiac operating room Service specific room - Electrophysiology/Cardiac cat Service specific room - Endoscopy
Map to CVC	Add Location Rename Location Delete Location Unmap Location	View Tag Members



When assigning tags to 'Parent' Locations, all 'Children' listed under the 'Parent' inherit that tag(s). When the 'child' location is selected, tags attributed through the 'parent' will appear greyed out. This can only be changed by changing the 'parent' location tag



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Location Mapping Tips

- Right click on any Location Tag to see rooms assigned to the tag.
- 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**.
- 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.
- <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.

