HST*e*Chart Patient Monitor Requirements Guide

HST*e*Chart supports the HL7 interface capabilities of select patient monitor devices. The interface capabilities are subject to change as vendors expand their offering and new capabilities continue to be developed. All development outside the approved list of supported patient monitors and integrations are subject to a custom statement of work.

HSTpathways does not support for any issues that arise between the patient monitor vendor and the center's network.

The patient monitor interface does not include the requirements for the anesthesia gas monitoring. Compatibility between the anesthesia gas monitoring model/device and the patient monitor device is the responsibility of the center and not guaranteed to be supported by the existing HST*e*Chart interfaces.

Patient Monitors HST*e*Chart Supports: *(as of 11/14/2017)*

Note: All highlighted in yellow we actively support. The items in red are under development, expected to be released in the coming weeks.

Mindray Monitors		WIP: development pending final testing	*Location information provided by vendor*
Mindray Monitor	Real Time Interface HL7 direct	eGateway IHE PCD HL7	Potential Location
Passport 8	yes	yes	PACU
Passport 12	yes	yes	PACU/OR
Passport 12m	yes	yes	OR
Passport 17m	yes	yes	OR/ICU
T1 Transport Monitor/Module	no	yes	Transport
Accutorr 7	no	yes	Mobile Vital Signs
Mindray Monitors (older discontinued models)			
Mindray Monitor	Real Time Interface HL7 direct	eGateway IHE PCD HL7	Potential Location
DPM 6	yes	yes	OR
DPM 7	yes	yes	OR/ICU
BeneView T5	yes	no	OR
BeneView T8	yes	no	OR/ICU
GE Monitors			
GE Monitor	HL7 Direct	CARESCAPE Gateway HL7	Potential Location
B40	yes	no	PREOP to PACU

What are some other requirements for the patient monitors?

The HSTeChart Patient Monitor feature will require a dedicated machine on the premise of the facility. This requirement is necessary regardless if the HSTeChart application is hosted by the center or by HST's cloud solution.

The center will need to supply the following if implementing integrated Patient Monitors:

- a dedicated Windows server on the same LAN as their patient monitors with the following attributes
    - 4G RAM
    - 100G hard drive
    - running Windows Server (preferably) or Windows 7 (or later)
    - connected to the same LAN patient monitors or centralized gateway
- remote Administrator access to the machine above

Note that some vendors require configuration to be done on each of the patient monitors. A resource at the center should be identified whom HST can work with that is knowledgeable of the device settings.

Preparing for implementation

To ensure the smoothest implementation of the Patient Monitor feature, the center can work with their local IT and the vendor to prepare. Here is a short list of things the center can do in advance of the implementation:

- Secure the server for the patient monitor connectivity
- Open a secure communication channel in the firewall for HST to connect to the server
- Gather a list of the names of all the patient monitors, where they are located, the respective IP addresses for each of the monitors.

These steps taken in advance will help the implementation go as smoothly as possible.