

# BMDI: ASSOCIATE DEVICE

[Video](#): Jump to slide 13 & 14 for a quick video demo

# BMDI: DEVICE ASSOCIATION

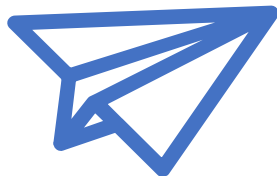
## Bedside Medical Device Interfacing

(BMDI)

**Patient Data**

- Vital signs
- Ventilator settings
- Cardiac rhythm strips
- ECGs

**Millennium**



**Device Association**



# Associate Device (e.g., monitor, ventilator)

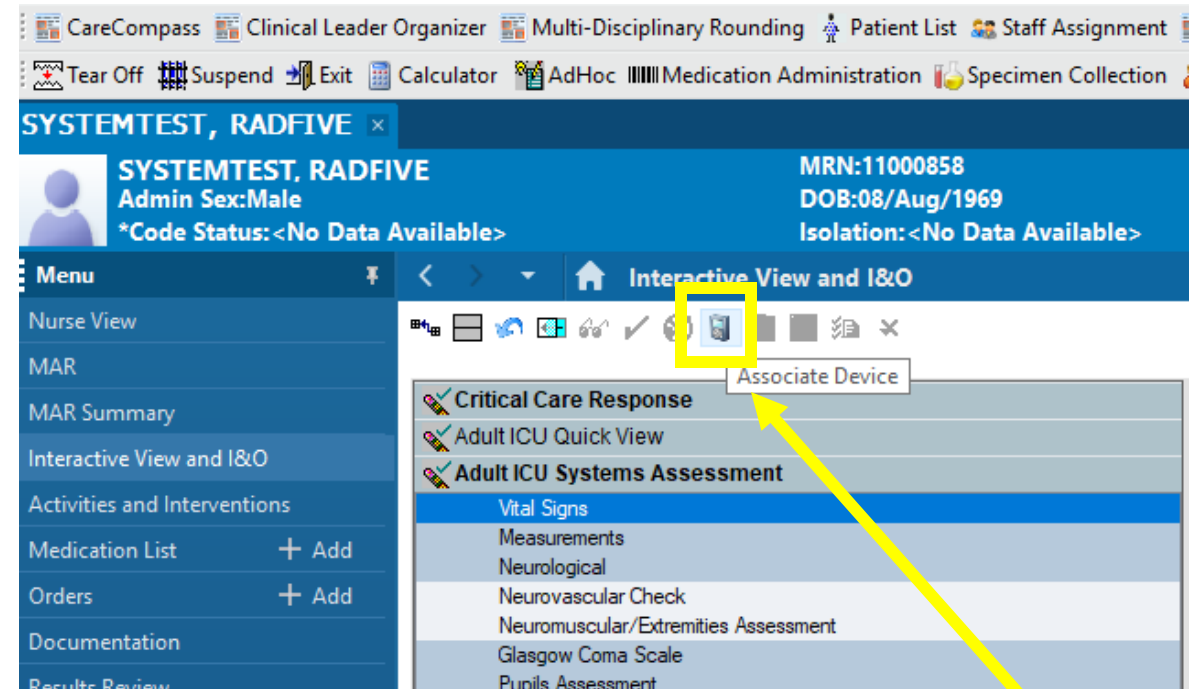
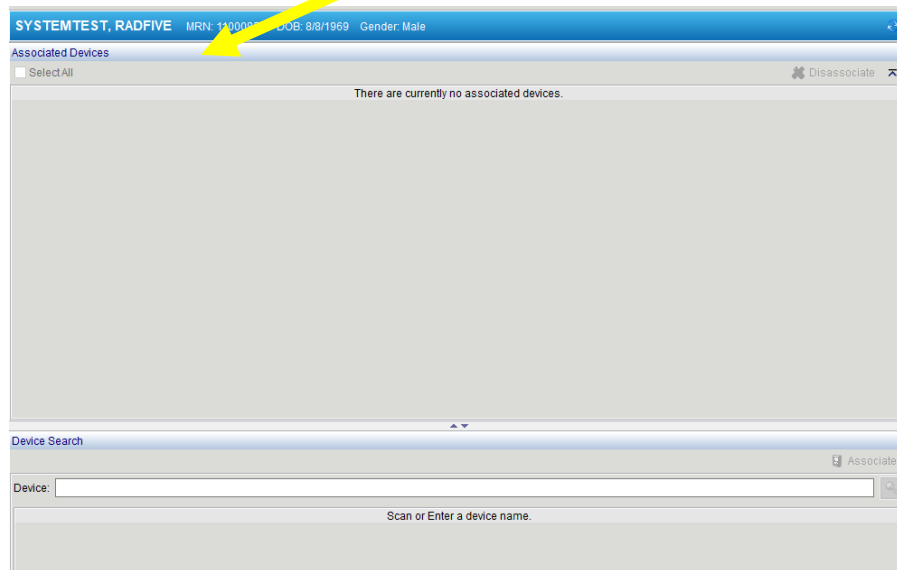
From the patient's chart click on **Interactive View and I&O**

The screenshot shows a medical software interface with a patient chart for SYSTEMEST, RADFIVE. The patient's information includes MRN: 11000858, DOB: 08/Aug/1969, and Age: 55 years. The chart displays a list of medical services with the following data:

Service Date/Ti...	Subject	Type	Facility	Author; Contributor(s)
2024-Aug-08 09:17:33	XR Wrist Left 2-3 Views	XR Wrist Left 2-3 Views	NFS	NHS Test01, RadNet - Technologist; NHS Test
2024-Aug-08 09:17:33	XR Forearm Bilateral 2 Views	XR Forearm Bilateral 2 Views	NFS	NHS Test01, RadNet - Technologist; NHS Test
2024-Aug-07 07:55:37	XR Hand Left 2-3 Views	XR Hand Left 2-3 Views	NFS	NHS Test01, RadNet - Technologist; NHS Test
2024-Mar-26 11:29:53	CT Abdomen w	CT Abdomen w	NFS	NHS Test03, RadNet - Technologist; NHS Test
2024-Feb-23 10:33:21	History and Physical	History and Physical	NFS	Cerner Test, Physician - Internal Medicine Cer

## Associate Device (e.g., monitor, ventilator)

Associate Device window may display automatically



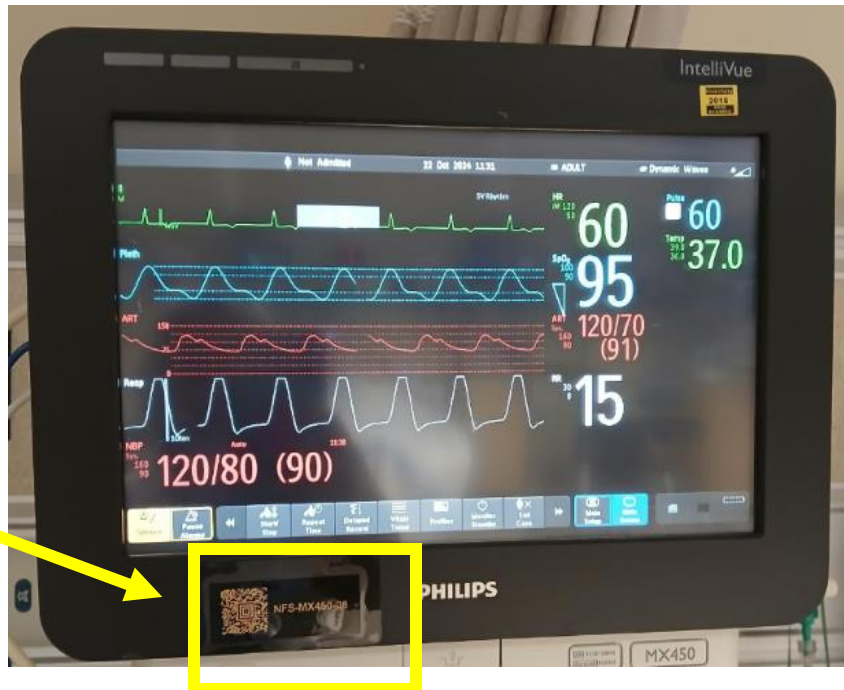
Or, click the Associate Device icon

This can be done to associate multiple devices (e.g., monitor and vent)

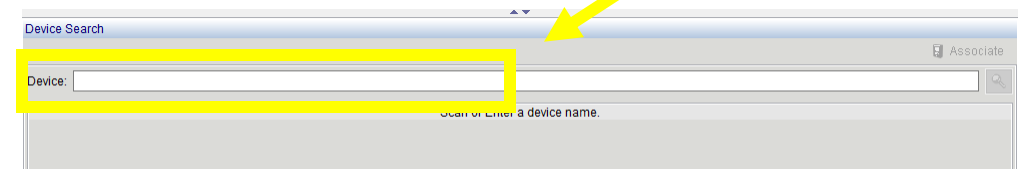
## Associate Device (e.g., monitor, ventilator)

From the Associate Device window,

Scan the barcode on the device

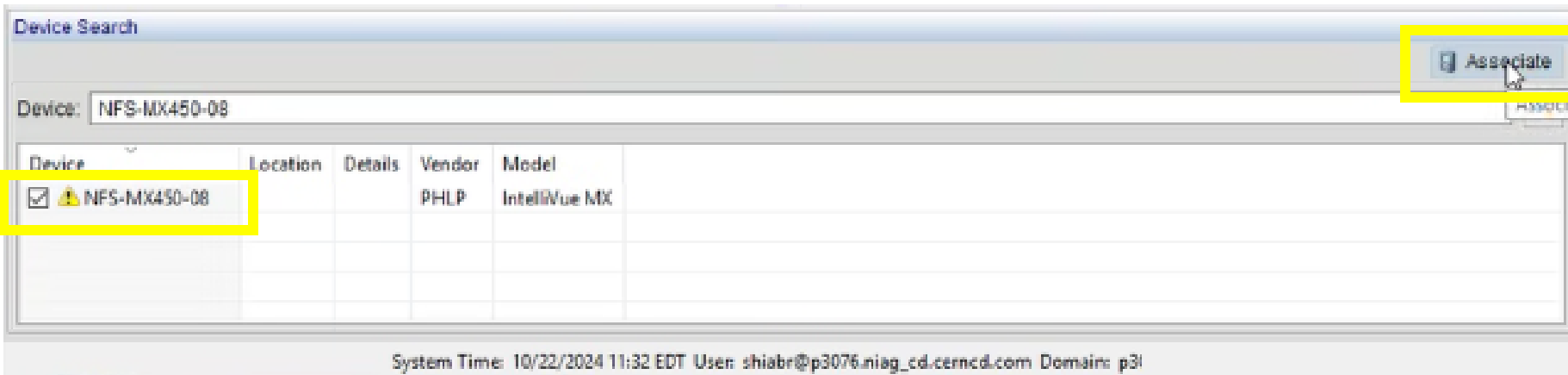


Or, manually enter the device name to search



## Associate Device (e.g., monitor, ventilator)

Click on the desired device, then click Associate



The screenshot shows a web application window titled "Device Search". At the top right, there is a button labeled "Associate" which is highlighted with a yellow box and a yellow arrow. Below the title bar, there is a search field containing the text "Device: NPS-MX450-08". Below the search field is a table with the following columns: Device, Location, Details, Vendor, and Model. The first row of the table is highlighted with a yellow box and a yellow arrow. The first row contains a checked checkbox, a yellow warning icon, and the text "NPS-MX450-08". The Vendor column for this row contains "PHLP" and the Model column contains "IntelliVue MX". At the bottom of the window, there is a status bar that reads "System Time: 10/22/2024 11:32 EDT User: shiabr@p3076.niag\_cd.cerncd.com Domain: p3i".

Device	Location	Details	Vendor	Model
<input checked="" type="checkbox"/> ⚠ NPS-MX450-08			PHLP	IntelliVue MX



Indicates a patient is already associated to the device. Hover to view additional details

Associating a new patient to this device removes the previous patient data.

## Adding Data

Once the device has been associated, patient data (e.g., vitals) can be added

From the patient's chart click on Interactive View

Click Vital Signs

In the Time column right-click to select Add Result

The screenshot displays the MONARCH software interface. On the left, a blue sidebar menu has 'Interactive View and I&O' highlighted. The main window shows the 'Adult Quick View' section with 'Vital Signs' selected. A table of vital signs is visible, and a context menu is open over the 'Time' column, showing 'Add Result...' and 'Clear Unsigned Results' options. A yellow arrow points from the 'Vital Signs' menu item in the sidebar to the 'Add Result...' option in the context menu.

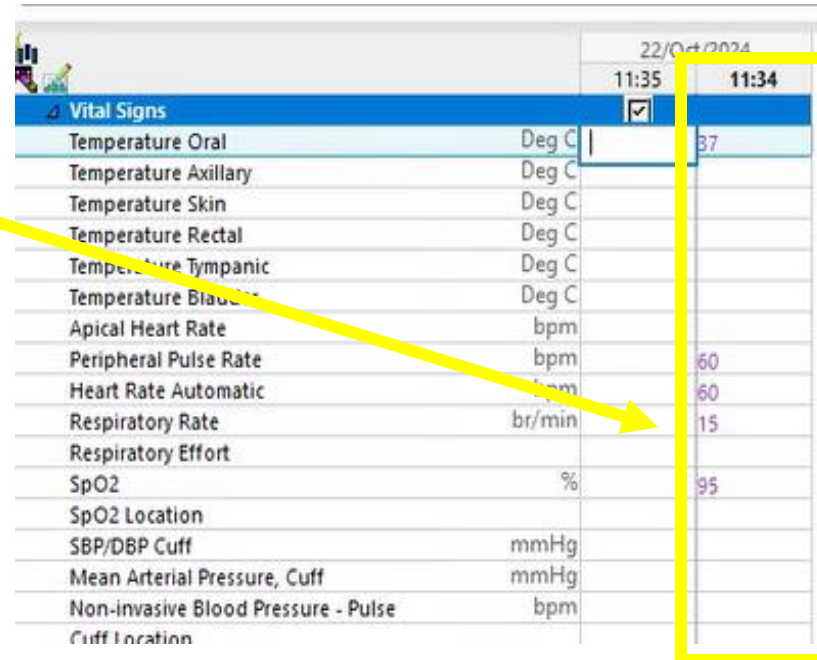
Result	Comments	Flag	Date	Performed By
Temperature Oral		Deg C		
Temperature Axillary		Deg C		
Temperature Skin		Deg C		
Temperature Rectal		Deg C		
Temperature Tympanic		Deg C		
Temperature Bladder		Deg C		
Apical Heart Rate		bpm		
Peripheral Pulse Rate		bpm		
Heart Rate Automatic		bpm		
Respiratory Rate		br/min		
Respiratory Effort				
SpO2		%		
SpO2 Location				
SBP/DBP Cuff		mmHg		
Mean Arterial Pressure, Cuff		mmHg		
Non-invasive Blood Pressure - Pulse		bpm		
Cuff Location				
Blood Pressure Method				

## Adding Data

Once the device has been associated, patient data (e.g., vitals) can be added

Data (e.g., vitals) will populate the column in **purple**

Additional data may be manually entered



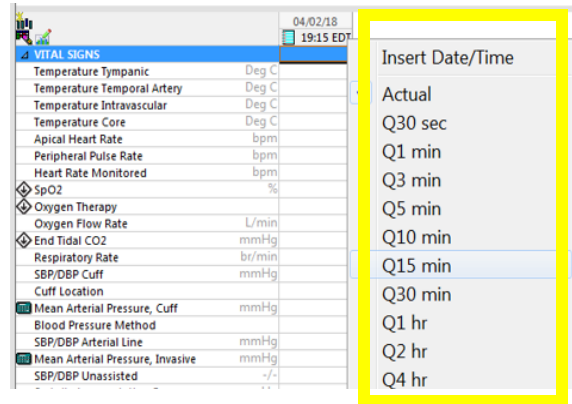
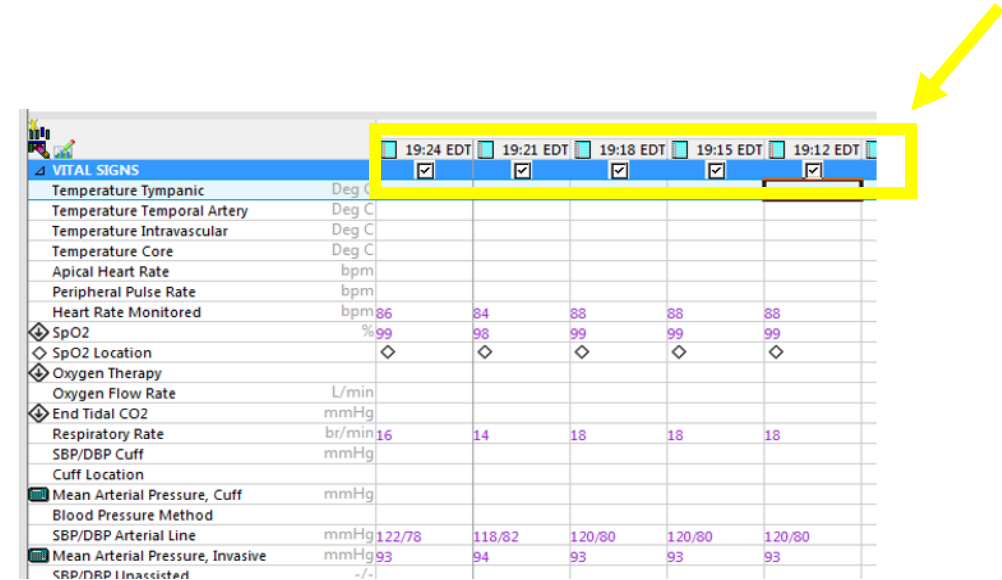
		22/Oct/2024	
		11:35	11:34
<input checked="" type="checkbox"/>	Vital Signs		
	Temperature Oral	Deg C	37
	Temperature Axillary	Deg C	
	Temperature Skin	Deg C	
	Temperature Rectal	Deg C	
	Temperature Tympanic	Deg C	
	Temperature Bladder	Deg C	
	Apical Heart Rate	bpm	
	Peripheral Pulse Rate	bpm	60
	Heart Rate Automatic	bpm	60
	Respiratory Rate	br/min	15
	Respiratory Effort		
	SpO2	%	95
	SpO2 Location		
	SBP/DBP Cuff	mmHg	
	Mean Arterial Pressure, Cuff	mmHg	
	Non-invasive Blood Pressure - Pulse	bpm	
	Cuff Location		



## Adding Data

Right-click the 'time' field to set the appropriate interval

Device may also be set to the same interval

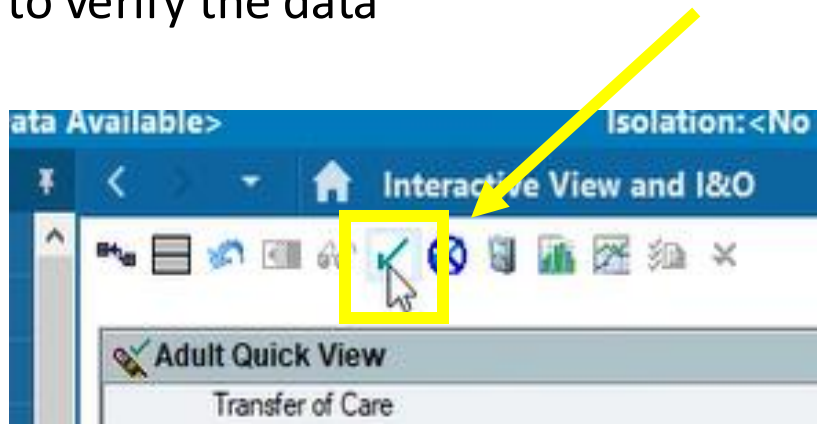



	19:24 EDT	19:21 EDT	19:18 EDT	19:15 EDT	19:12 EDT
<b>VITAL SIGNS</b>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Temperature Tympanic	Deg C				
Temperature Temporal Artery	Deg C				
Temperature Intravascular	Deg C				
Temperature Core	Deg C				
Apical Heart Rate	bpm				
Peripheral Pulse Rate	bpm				
Heart Rate Monitored	bpm	86	84	88	88
SpO2	%	99	98	99	99
SpO2 Location		◇	◇	◇	◇
Oxygen Therapy					
Oxygen Flow Rate	L/min				
End Tidal CO2	mmHg				
Respiratory Rate	br/min	16	14	18	18
SBP/DBP Cuff	mmHg				
Cuff Location					
Mean Arterial Pressure, Cuff	mmHg				
Blood Pressure Method					
SBP/DBP Arterial Line	mmHg	122/78	118/82	120/80	120/80
Mean Arterial Pressure, Invasive	mmHg	93	94	93	93
SRP/DBP Unassisted	-/-				

Double-click Time columns as needed and data will populate

## Adding Data

Click on the green checkmark Sign button to verify the data

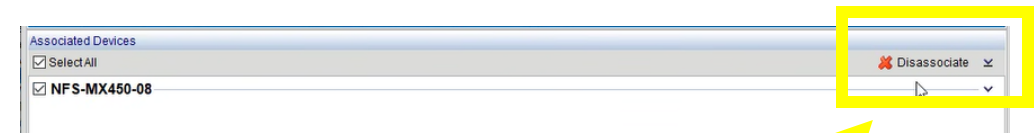
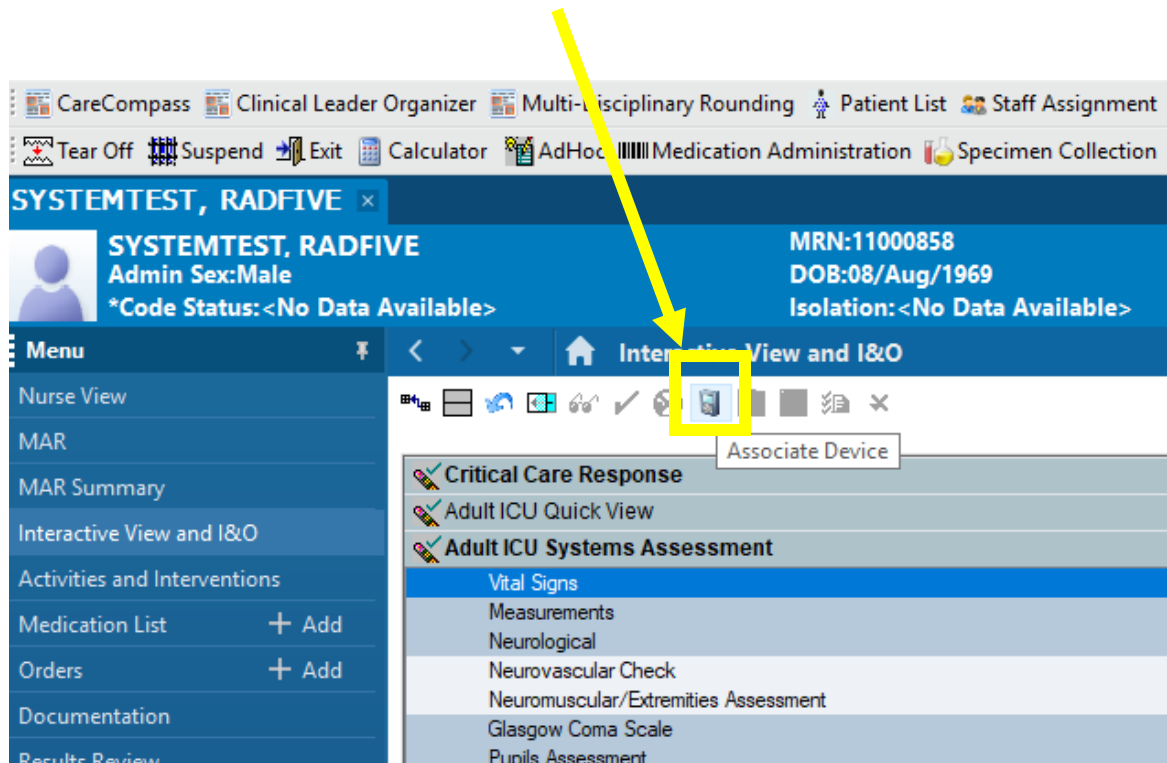


		22/Oct 2020	
		11:36	11:34
<b>Vital Signs</b>			
Temperature Oral	Deg C		37
Temperature Axillary	Deg C		
Temperature Skin	Deg C		
Temperature Rectal	Deg C		
Temperature Tympanic	Deg C		
Temperature Bladder	Deg C		
Apical Heart Rate	bpm		
Peripheral Pulse Rate	bpm		60
Heart Rate Automatic	bpm		60
Respiratory Rate	br/min		15
Respiratory Effort			
SpO2	%		95
SpO2 Location			
SBP/DBP Cuff	mmHg		
Mean Arterial Pressure, Cuff	mmHg		
Non-invasive Blood Pressure - Pulse	bpm		
Cuff Location			

Verified data will now turn **black**

# Disassociate Device

Click on Associate Device icon



Click on Disassociate Device icon

Task Edit View Patient Chart Notifications Options Documentation Orders Help

Home MyExperience Ambulatory Organizer Autotext Copy Patient List Cardiovascular Case Selection Dynamic Worklist Schedule Perioperative Tracking Message Center Staff Assignment CareCompass Multi-Patient Task List Dialysis Organizer CM Assignment Worklist Denied Days Worklist

ZZZTEST, DONOTUSEMALETHREE MRN:11948464 Allergies: Allergies Not Recorded Attending:Test, Doctor One Loc:NF ED: WR  
Admin Sex:Male DOB:19/Oct/1960 Age:64 years Dose Wt:<No Data Available> Dose HCN:ON 6666-666-666  
\*Code Status:<No Data Available> Isolation:<No Data Available> Alerts:No Alerts Documented Emergency FIN: 22-000010 [Admit Dt: 2024-Sep-23 19:58:00 Disch Dt: <No - Discharge date>]

Menu Interactive View and I&O Full screen Print 9 minutes ago

Prescriber View  
Nurse View  
Outpatient View  
Women's Health View  
Therapist View (Rehabilitation)  
Allied and Mental Health Summary  
Perioperative View  
Inpatient View  
Pharmacist Workflow  
Orders + Add  
Medication List + Add  
Documentation  
Notes + Add  
Form Browser  
Diagnoses and Problems  
Results Review  
Interactive View and I&O  
MAR  
MAR Summary  
Activities and Interventions  
Histories  
Allergies + Add  
Growth Chart  
Patient Information  
Appointments  
Immunization Schedule  
Clinical Media + Add  
Medication Request  
Recommendations  
Clinical Research

**Adult Quick View**

- Transfer of Care
- Patient Rounding
- Isolation Type/Activity
- Activities of Daily Living
- Vital Signs
- NEWS
- O2 Therapy/Titration
- Pain Assessment
- Pain Evaluation
- Pain Sedation Assessment
- Glucose Capillary Blood Point of Care

Adult Systems Assessment  
Adult Lines - Devices  
Adult Education  
Blood Product Administration  
Procedure Sedation Med Admin  
Medical Day Unit  
Outpatient Pediatrics  
OB Office Visit  
Antenatal Testing  
Perfusionist CPB  
OB Provider Obstetrical Exam  
Adult ICU Systems Assessment  
Adult ICU Lines - Devices  
Critical Care Response  
Early Warning - NEWS  
Hemodialysis Management  
Peritoneal Dialysis Management

Last 24 Hours

Find Item  Critical  High  Low  Abnormal  Unauth  Flag  And  Or

Result	Comments	Flag	Date	Performed By
			28/Oct/2024 13:37	
<b>Vital Signs</b>				
Temperature Oral		Deg C		
Temperature Axillary		Deg C		
Temperature Skin		Deg C		
Temperature Rectal		Deg C		
Temperature Tympanic		Deg C		
Temperature Bladder		Deg C		
Apical Heart Rate		bpm		
Peripheral Pulse Rate		bpm		
Heart Rate Automatic		bpm		
Respiratory Rate		br/min		
Respiratory Effort				
SpO2		%		
SpO2 Location				
SBP/DBP Cuff		mmHg		
Mean Arterial Pressure, Cuff		mmHg		
Non-invasive Blood Pressure - Pulse		bpm		
Cuff Location				
Blood Pressure Method				
SBP/DBP Invasive		mmHg		
Mean Arterial Pressure, Invasive		mmHg		
Arterial Blood Pressure - Pulse Rate 1		bpm		
Invasive Line Site 1				
SBP/DBP Invasive Line 2		mmHg		
SBP/DBP Invasive Line 3		mmHg		
SBP/DBP Invasive Line 4		mmHg		
SBP/DBP Femoral Line 1		mmHg		
SBP/DBP Femoral Line 2		mmHg		
SBP/DBP Supine		mmHg		
Pulse Supine		bpm		
SBP/DBP Sitting		mmHg		
Pulse Sitting		bpm		
SBP/DBP Standing		mmHg		
Pulse Standing		bpm		
Alert, Voice, Pain, Unresponsive				
<b>Pain Assessment</b>				
Pain Present				
Self Report Pain				
Unable to Self Report Pain				

P3076 SHIABR 28-Oct-2024 13:37 EDT

Home MyExperience Ambulatory Organizer Autotext Copy Patient List Cardiovascular Case Selection Dynamic Worklist Schedule Perioperative Tracking Message Center Staff Assignment CareCompass Multi-Patient Task List Dialysis Organizer CM Assignment Worklist Denied Days Worklist

ZZZTEST, DONOTUSEMALETHREE

ZZZTEST, DONOTUSEMALETHREE MRN:11948464 Allergies: Allergies Not Recorded Attending: Test, Doctor One  
Admin Sex: Male DOB: 19/Oct/1960 Age: 64 years Dose Wt: <No Data Available> Loc: NF ED: WR  
\*Code Status: <No Data Available> Isolation: <No Data Available> Alerts: No Alerts Documented Emergency FIN: 22-000010 [Admit Dt: 2024-Sep-23 19:58:00 Disch Dt: <No - Discharge date>]

Menu Interactive View and I&O

Prescriber View  
Nurse View  
Outpatient View  
Women's Health View  
Therapist View (Rehabilitation)  
Allied and Mental Health Summary  
Perioperative View  
Inpatient View  
Pharmacist Workflow  
Orders + Add  
Medication List + Add  
Documentation  
Notes + Add  
Form Browser  
Diagnoses and Problems  
Results Review  
Interactive View and I&O  
MAR  
MAR Summary  
Activities and Interventions  
Histories  
Allergies + Add  
Growth Chart  
Patient Information  
Appointments  
Immunization Schedule  
Clinical Media + Add  
Medication Request  
Recommendations  
Clinical Research

Adult Quick View  
Transfer of Care  
Patient Rounding  
Isolation Type/Activity  
Activities of Daily Living  
Vital Signs  
NEWS  
O2 Therapy/Titration  
Pain Assessment  
Pain Evaluation  
Pain Sedation Assessment  
Glucose Capillary Blood Point of Care

Adult Systems Assessment  
Adult Lines - Devices  
Adult Education  
Blood Product Administration  
Procedure Sedation Med Admin  
Medical Day Unit  
Outpatient Pediatrics  
OB Office Visit  
Antenatal Testing  
Perfusionist CPB  
OB Provider Obstetrical Exam  
Adult ICU Systems Assessment  
Adult ICU Lines - Devices  
Critical Care Response  
Early Warning - NEWS  
Hemodialysis Management  
Peritoneal Dialysis Management

28-Oct-2024 13:00 - 28-Oct-2024 13:59

Find Item  Critical  High  Low  Abnormal  Unauth  Flag  And  Or

The patient is connected to one or more devices. In Actual mode, the activated result is the most recent value, which is 10 minute(s) past the activated time and 5 minute(s) ahead of the activated time. In Interval mode, the activated result is the most recent value that is closest to the interval end time.

	13:58	13:47	13:46	13:45	13:38	13:37
<b>Vital Signs</b>						
Temperature Oral Deg C						
Temperature Axillary Deg C		37	37	37	37	
Temperature Skin Deg C						
Temperature Rectal Deg C						
Temperature Tympanic Deg C						
Temperature Bladder Deg C						
Apical Heart Rate bpm						
Peripheral Pulse Rate bpm		90	90	90	90	
Heart Rate Automatic bpm		90	90	90	90	
Respiratory Rate br/min		15	15	15	15	
Respiratory Effort						
SpO2 %		100	100	100	100	
SpO2 Location						
SBP/DBP Cuff mmHg		100/59 ↓	99/60	99/60		99/59 ↓
Mean Arterial Pressure, Cuff mmHg		69 ↓	69 ↓	69 ↓		69 ↓
Non-Invasive Blood Pressure - Pulse Cuff Location bpm						
Blood Pressure Method						
SBP/DBP Invasive mmHg						
Mean Arterial Pressure, Invasive mmHg						
Arterial Blood Pressure - Pulse Rate 1 bpm						
Invasive Line Site 1						
SBP/DBP Invasive Line 2 mmHg						
SBP/DBP Invasive Line 3 mmHg						
SBP/DBP Invasive Line 4 mmHg						
SBP/DBP Femoral Line 1 mmHg						
SBP/DBP Femoral Line 2 mmHg						
SBP/DBP Supine mmHg						
Pulse Supine bpm						
SBP/DBP Sitting mmHg						
Pulse Sitting bpm						
SBP/DBP Standing mmHg						
Pulse Standing bpm						
Alert, Voice, Pain, Unresponsive						
<b>Pain Assessment</b>						
Pain Present						
Self Report Pain						
Inable to Self Report Pain						

P3076 SHIABR 28-Oct-2024 13:58 EDT

## Associate Device: BRIDGE Blood Transfusion

After launching Bridge from the patient's chart, in Record Vitals section

Place cursor on first field, Temperature

Record Vital Signs

Observation Date/Time: 10/24/2024 8:39 EDT [Change](#) [Show Ranges](#)

\*Temperature:  °C

\*Site:

\*Heart Rate:  beats/minute

\*Blood Pressure:  /  mmHg  palp

\*Method:

\*Respirations:  breaths/minute

\*O<sup>2</sup> Saturation:  %

Comment:

[Confirm](#) [Exit](#)

Record Vital Signs

Observation Date/Time: 10/24/2024 8:48 EDT [Change](#) [Show Ranges](#)

\*Temperature:  °C

\*Site:

\*Heart Rate:  beats/minute

\*Blood Pressure:  /  mmHg  palp

\*Method:

\*Respirations:  breaths/minute

\*O<sup>2</sup> Saturation:  %

Comment:

[Confirm](#) [Exit](#)

Scan Device barcode and data (e.g., vitals) will populate

Additional data may be manually entered

# Associate Device: FetaLink

From the Census view, select the room location by clicking on the room number under Monitored Location.

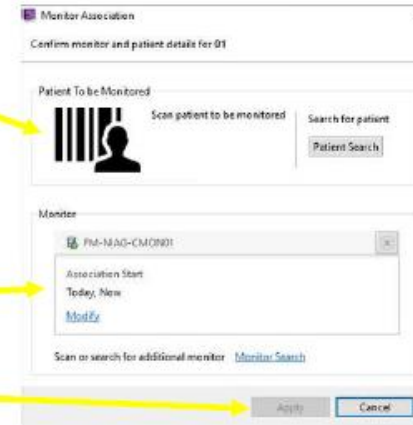
1. The Single Patient view opens with the tracings displayed. From the toolbar, select Monitor Association.



Scan the patient's wristband



2. Scan the device barcode



3. Click Apply

\*Refer to FetaLink Training Guide for instructions on disassociating fetal monitoring device and finalizing fetal tracings\*

# BMDI: ASSOCIATE DEVICE

Tip sheets:

HIS Tip Sheet – Associate Devices BMDI

HIS Tip Sheet – Cardiac Rhythm Strips