

Enhanced Patient2Device Association (EP2DA) uses barcode scanning to associate the patient to a device allowing vital signs and ventilator data to be pulled into the electronic health record (EHR). To ensure vital signs, and ventilator data are captured and recorded for the correct patient, it is imperative that Monitor Association is performed at the time of admission and verified at the beginning of each shift. Monitors must also be disassociated at patient transfer/discharge. Ventilators must be dissociated when no longer being used. Refer to hospital or unit policies for site specific expectations.

**NOTE:** EP2DA cannot be used on Loaner or Transport devices. If new monitors or ventilators are acquired, they need to be set up by IS before EP2DA will work on the device.

### Connectivity Check

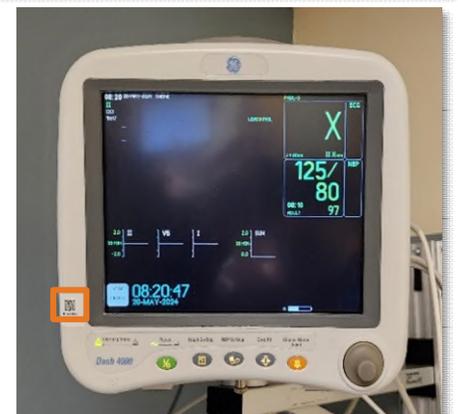
- Ensure the CCE (Cerner Connectivity Engine) has the correct date and time.
  - Click the **Home** button to view the date and time on the top center of the screen.
  - Ensure there is a green checkmark on the device in the top left of the screen.



**NOTE:** If the time does not match the PC time, reboot the CCE to resync it. If the device icon does not have a green checkmark, the reboot may also fix this.

### Reboot Instructions

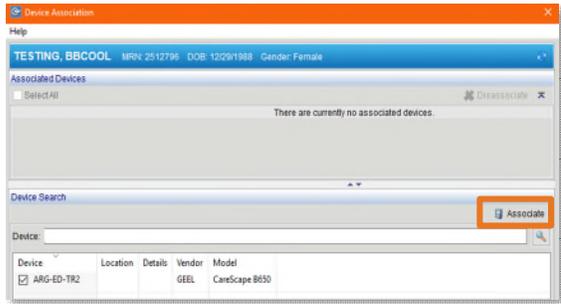
- STEP 1:** Look for where the power cord plugs into the bottom right of the device.
- STEP 2:** Search for the power button, press and hold the button until the screen goes dark.
- STEP 3:** Wait a few seconds, then press the power button again to turn the device back on.



### Associating the Monitor or Ventilator

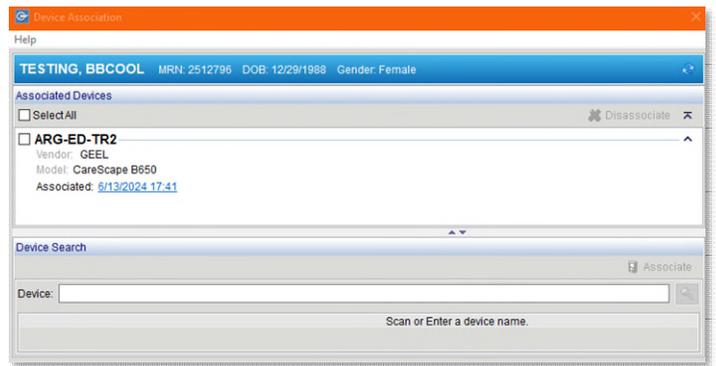
- STEP 1:** Go to **Interactive View and I&O**.
- STEP 2:** Scan the **barcode** in the lower left corner of the monitor.
  - The **Device Association** window opens with the device listed at the bottom of the Device Association window.

**STEP 3:** Click the **Associate** button.



**STEP 4:** Close out of the **Device Association** box by clicking the **X** in the upper right corner.

**NOTE:** The **Device Association** box will open on patients registered to a monitored bed if they are not associated to a monitor.

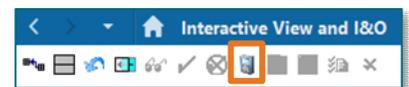


**NOTE:** If a monitor is taken out of the patient room or exam room, the Device Association (DA) cord must stay plugged into the monitor to avoid mixing up the cords. The barcode on the monitor matches the DA cord. If the DA cords are mixed up, the patient would be associated to a device in a different room.

## Manually Searching for a Device

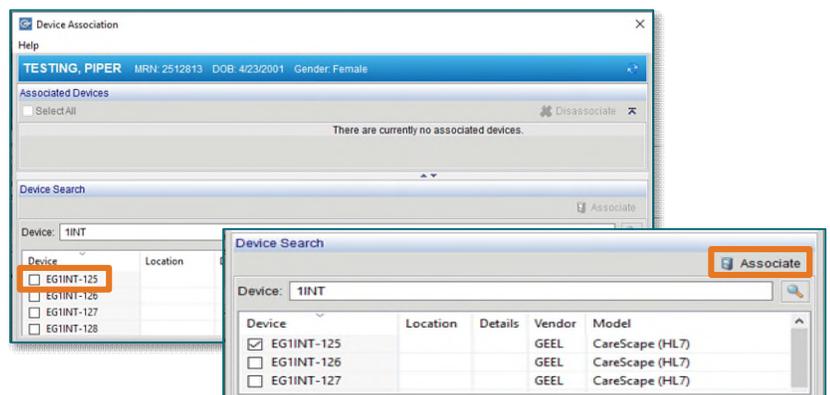
In the event the barcode will not scan or the scanner is not working, the patient can be associated to a monitor or ventilator by manually searching for the device.

**STEP 1:** Click the **Associate Monitor** icon in iView.



**STEP 2:** In the **Device Association** box, type the hospital name abbreviation followed by a hyphen and the unit's name, then click the magnifying glass.

- Example: MCH-ICU, CAD-ED, BHH-ED, SVH-PACU
- Devices for the unit will display.



**STEP 3:** Click the box next to the appropriate room number.

**STEP 4:** Click **Associate**.

**NOTE:** Verify the room number for the device and the room the patient is in matches. A patient can be associated to multiple devices (Monitor, Ventilator) or multiple monitors. If the patient is associated to multiple monitors, disassociate any monitor(s) they should not be associated with.

## Changing the Association Time

The time of the association can be changed if the monitor and or ventilator were placed on the patient prior to associating the devices to the patient.

**STEP 1:** Click the **Associate Monitor** icon in iView.

**STEP 2:** Click the **arrow** to open the device details.

**STEP 3:** Click the **Associated blue date and time** hyperlink.

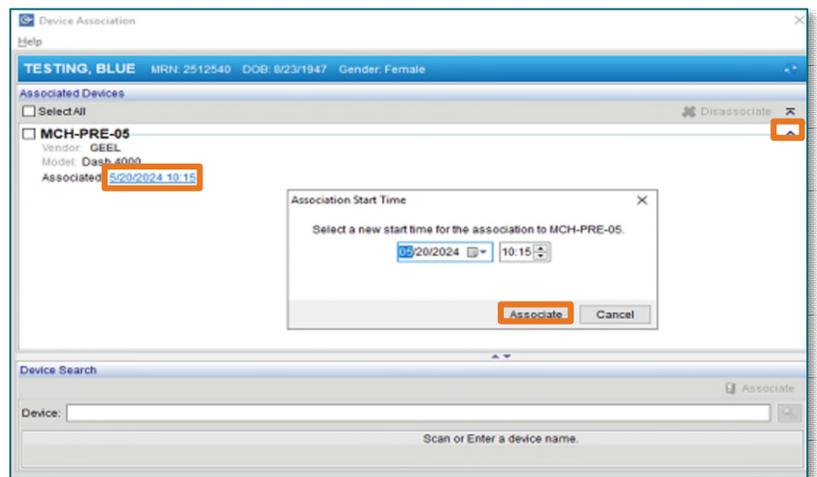
- The **Association Start Time** box opens.

**STEP 4:** Adjust the **Date** and **Time** to the time the patient was placed on the monitor or ventilator.

- Hover over the minutes and use the arrows to adjust the minute.
- Hover over the hour and use the arrows to adjust the hour.

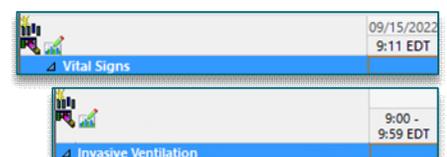
**STEP 5:** Click **Associate**. The association time is updated.

**NOTE:** If the **Device Association** box has closed and retro association needs to take place, open the **Device Association** box, and click the arrow to the right of the device name to bring the associated date and time link into view.



## Pulling Vital Signs and Ventilator Data into the Chart

**STEP 1:** To **add vitals** or **ventilator data** from the bedside device, place the cursor over the dark blue band in the appropriate time column, and double-click. Multiple columns may be checked to improve efficiency. It is important to only open one section at a time to view all data.



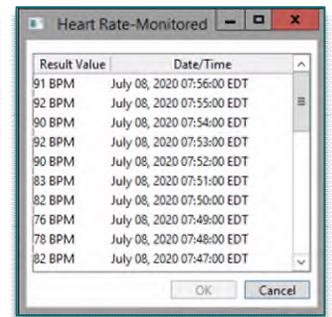
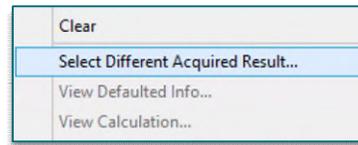
**STEP 2:** Preview the results before signing.

- If there are incorrect results, e.g., heart rate equal to zero (0), be sure to correct or clear the values prior to signing.

- **Correcting a result:** Right-click the result and select **Different Acquired Result**. A window opens, displaying other available results for the selected measure. Click to highlight the appropriate result and then click **OK** to close the pop-up window. The result replaces the preliminary result.
- **Clearing a result:** Right-click the result and select **Clear**.

**STEP 3:** The information from the device is displayed in purple font. Once the data is validated, the information is saved to the patient's chart by clicking the **green checkmark** ✓.

**NOTE:** To see other recently captured results from the monitor and/or ventilator, right-click the purple text and **Select Different Acquired Result**. A window with recent values will open to select from.



Result Value	Date/Time
91 BPM	July 08, 2020 07:56:00 EDT
92 BPM	July 08, 2020 07:55:00 EDT
90 BPM	July 08, 2020 07:54:00 EDT
92 BPM	July 08, 2020 07:53:00 EDT
90 BPM	July 08, 2020 07:52:00 EDT
83 BPM	July 08, 2020 07:51:00 EDT
82 BPM	July 08, 2020 07:50:00 EDT
76 BPM	July 08, 2020 07:49:00 EDT
78 BPM	July 08, 2020 07:48:00 EDT
82 BPM	July 08, 2020 07:47:00 EDT

### Ventilator Data to be Charted Manually

Certain parameters need to be documented manually if the ventilator is being used in specific modes or for noninvasive ventilation.

#### ➤ **Hamilton C-1**

- **Non-Invasive ventilation** data to be documented manually.

#### ➤ **Servo I (All Modes)**

- **Ventilator Settings** to be documented manually:
  - Flow Trigger Sensitivity
- **Ventilator Alarm Settings** to be documented manually:
  - High PEEP Alarm

#### ➤ **Servo I (APRV Mode)**

- **Ventilator Settings** to be documented manually:
  - Flow Trigger Sensitivity
  - APRV Pressure Low

#### ➤ **Servo U (APRV Mode)**

- **Ventilator Settings** to be documented manually:
  - APRV Pressure Low
  - APRV Pressure High

➤ **Servo U (Volume Support Mode)**

- Clear **Vent Tidal Volume** when it pulls in via BMDI and document those numbers manually in **Volume Support**.

➤ **Drager Vent (PC/AC-VG Mode)**

- **Measurements/Assessments** to be documented manually:
  - Vent Minute Volume

➤ **Phillips V-60 NIV**

- All data for this ventilator needs to be documented manually.

## Disassociating the Monitor or Ventilator

Patients **must be disassociated** from the monitor and/or ventilator when **transferred to another room, transferred to an outside facility with no planned return, and/or when discharged**. This ensures vital signs, or ventilator information is not collected on a new patient and attributed to the first patient in error, resulting in a potential patient safety concern. A new patient cannot be associated to the monitor/device until this occurs.

**STEP 1:** Open the patient's electronic health record.

**STEP 2:** Go to **Interactive View and I&O**.

**STEP 3:** Click the **Associate Monitor** button in the toolbar in the upper left corner of the display window.

- The **Device Association** window opens.

**STEP 4:** Click the box next to the device to be disassociated.

**STEP 5:** Click the **Disassociate** button.

**STEP 6:** Discharge patient from the monitor per organization protocol.

