

The following will demonstrate the workflow for CareAware VitalsLink using a Welch Allyn Connex 360 Device to scan patients, capture vitals, and send them directly to the chart. Enhancing safety and efficiency across patient care by improving accuracy and reducing documentation errors.

Spot Monitoring Workflow

Spot monitoring is the process of capturing a patient's vital signs at a single point in time using a Welch Allyn Device.

➤ Identify User

- Upon initial power-on, allow up to 60 seconds for the device to connect to the network. This wait is only required after startup; devices waking from Sleep Mode do not require additional wait time.

STEP 1: From the **lock screen**, the user scans their **badge barcode**.

NOTE: Badge Barcode scanning access is required to use this workflow. Student Nurses do not have badge scanning capability and should proceed using their existing workflow by tapping Quick Access and manually documenting vital signs in the EHR.

STEP 2: The monitor unlocks to the home screen and displays the Oracle Health username in the top left corner.

➤ Identify Patient

STEP 1: Confirm the **Home** screen is displayed.

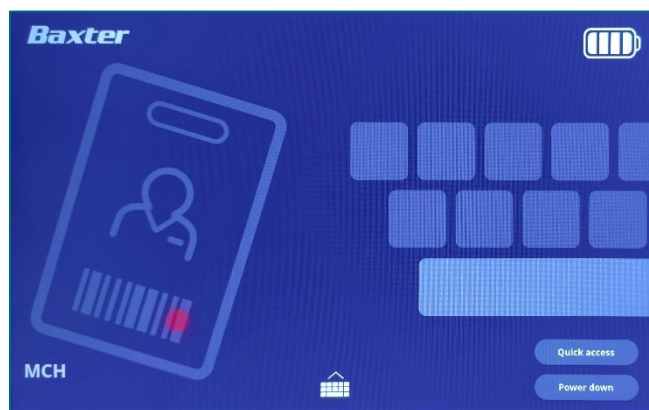
STEP 2: Scan the **2D barcode, (square barcode)** on the patient's wristband.

STEP 3: Confirm the **patient's name, patients age range, and identifier** appear on the Home tab in the upper portion of the screen.

NOTE: Patient Identification must be completed before obtaining Vital Signs. Failure to scan the patient first will cause vital sign data to be lost.

STEP 4: **Take Vital Signs.**

- Place BP cuff on patient, tap **Start**.



- Place HR/SPO2 Probe on the patient finger to pull in vitals automatically.

➤ Manual Entries

STEP 1: Tap the box indicating **RR, Temp, HT, WT, O2DY, Ox, O2FR, AHR, Preg, CufL, CufM** at the bottom of the display.

STEP 2: Select the required **Additional Parameters**:

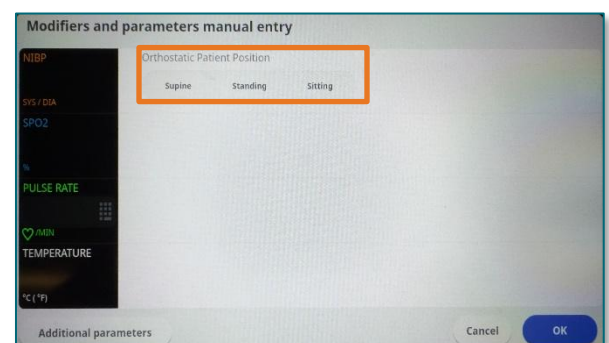
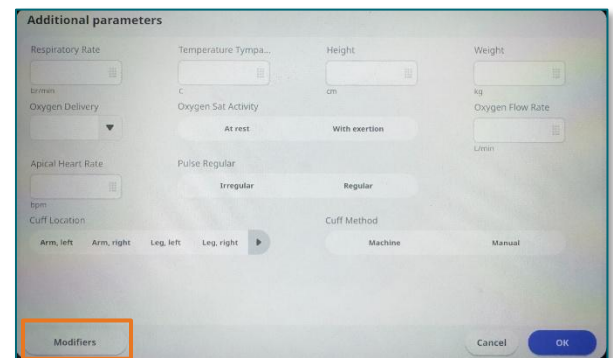
- Respiratory Rate
- Temperature - Tympanic
- Height
- Weight
- Oxygen Delivery
- Oxygen Sat Activity
- Oxygen Flow Rate
- Apical Heart Rate
- Pulse Regular
- Cuff Location
- Cuff Method

NOTE: Oxygen Delivery options are limited on the Welch Allyn device due to limited space. More options are available within Millenium PowerChart.

STEP 3: When obtaining orthostatic vital signs, tap the **Modifiers** box at the bottom left-hand area of the monitor to enter the applicable patient position.

- Orthostatic Patient Position
 - Supine
 - Standing
 - Sitting

STEP 4: Once modifiers are entered tap **OK**. The Home Screen will open.



➤ Using the Temperature Probe

- Always scan the patient before taking vital signs. The device uses the patient's age to display the appropriate temperature options.

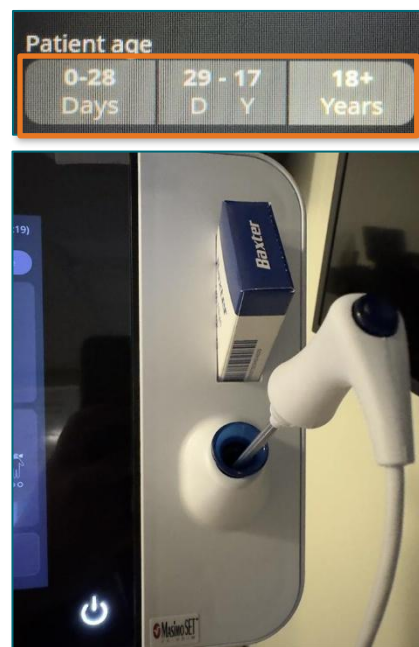
STEP 1: Ensure that the correct Age Range, located on the top left of the screen, has been selected by the initial scan.

STEP 2: Remove the Temperature probe from the device.

STEP 3: Select the appropriate **Temperature Measurement Icon**:

- **Oral:** Represented by an icon of a person with an arrow directed toward the mouth.
- **Axillary:** Represented by a person with one arm elevated and an arrow directed towards the other arm.
- **Rectal:** Represented by an infant raising its arms. The location of the arrow cannot be changed.

NOTE: The Rectal option is only available for Age ranges of 0-28 Days and 29 Days -17 Years old.



➤ Review Vital Signs

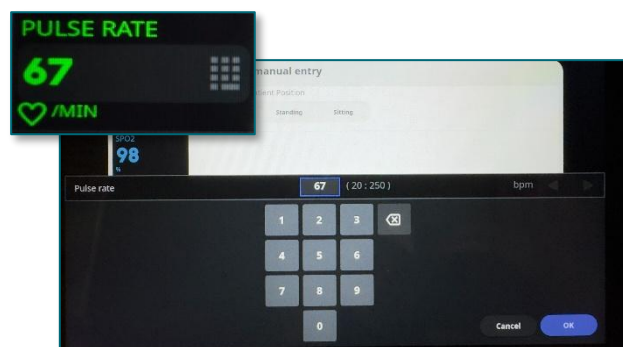
When reviewing the vitals, if you notice that the pulse rate is inaccurate, manually update them to be correct before saving and sending the vital signs.

STEP 1: Long hold on the **Pulse Rate** box.

STEP 2: Tap the **Pulse Rate** box.

STEP 3: Document the correct Pulse Rate manual entry dialog box.

- Tap **OK**.



➤ Sending Vital Signs

STEP 1: Tap **Save** to prepare vital signs for sending.

STEP 2: **Save Successful** message displays if vital signs are saved successfully.

- This message will close automatically.

STEP 3: **Send Successful** message displays if vital signs transmit successfully.

- The device returns to the home screen and clears the patient's information.

NOTE: After the patient is cleared from the screen, the user remains signed in, and any unsent vitals are retained for 24 hours.



If continuing with another patient, roll the monitor to the next patient and scan their wristband.

When finished obtaining vitals, tap the username on the top left Home screen, then tap Log out which redirects the device to the lock screen.

Reviewing Vital Signs in the EHR

➤ Vital signs may display in separate time columns.

- The vital signs display at the time in which they have resulted on the Welch Allyn device. Based on how long it takes to obtain the B/P, the Pulse Rate, SpO2, and Respiratory Rate can occur in separate time columns.

		14:23 EST	14:22 EST
Vital Signs			
Temperature Oral	DegC		36.5
Cuff MAP Meas...	mmHg	100	
Standing SBP/...	mmHg	133/84	

Set up Interval Monitoring

➤ Set Up Interval Monitoring

Interval monitoring is the process of recording a patient's vital signs at scheduled time intervals to track changes in their condition using a Welch Allyn Device.

STEP 1: From the **lock screen**, the user scans their **badge barcode**.

STEP 2: Scan the **2D barcode, (square barcode)** on the patient's wristband.

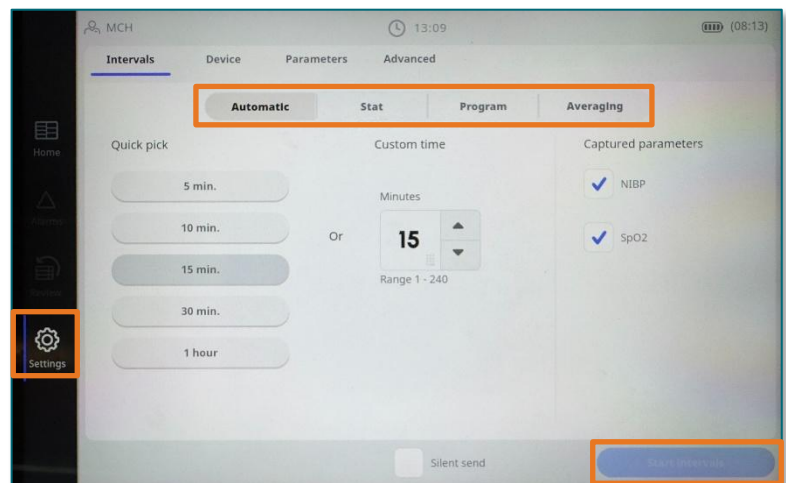
STEP 3: Tap the **Settings** icon on the left of the home screen to open the Interval setting screen.

STEP 4: Choose the desired Interval mode by tapping on the mode:

- **Automatic:** Automatically collects vitals every X minutes.
- **Stat:** Captures multiple consecutive readings.
- **Program:** Uses preset intervals.

STEP 5: Adjust desired interval Minutes.

STEP 6: Tap **Start Intervals** to begin.



➤ Sending Interval Vitals

STEP 1: Tap the **Review** tab at left of the monitor.

- **Review** screen opens with vital signs displayed in columns.

NOTE: The monitor displays a table of the most recent interval readings.

STEP 3: To send **all readings**, check the box under parameters.

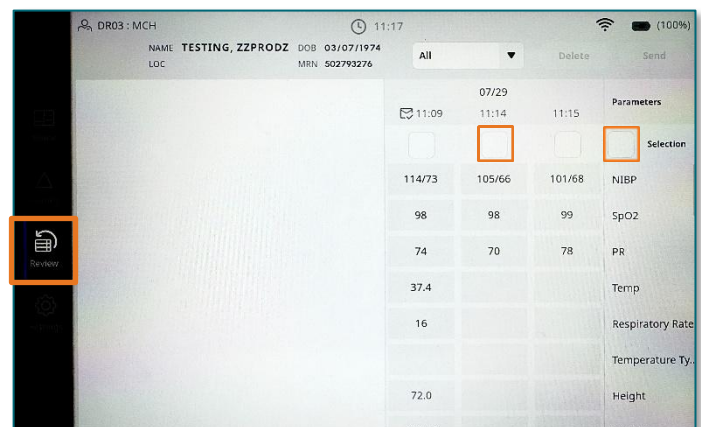
STEP 4: To send individual readings, check the box above the desired vital sign column.

STEP 5: Tap **Send**.

STEP 5: Tap **OK** on the confirm send confirmation.

STEP 6: **Send Successful message displays if vitals transmit successfully.**

- Tap **OK** to close the message.



NOTE: A Send Successful message will display for each set of vital signs that are transmitted.
Sent Vital Signs will display a mail icon indicating a successful transmission.
Sent vital signs are retained for 24 hours, then automatically cleared.

Troubleshooting

➤ **Badge is not scanning - Check Access to Oracle Health (Cerner)**

- Confirm the Device is connected to the Network
 - Tap **Quick Access**
 - Locate the **wireless signal indicator** on the top right corner of the screen.
 - When network access has been established tap the **Device Location** on the top left of the screen.
 - Scan badge barcode.
- Confirm the Millennium username and ensure the user can successfully log into PowerChart.



NOTE: Badge Barcode scanning access is required to use this workflow. Student nurses do not have badge scanning capability and should proceed with using their existing workflow by tapping Continue Without Login and manually documenting vital signs in the EHR.

➤ **Patient unable to be Identified**

- Patient does not have an active encounter.
- Vitals are not sent to EHR
- Ensure the Patients 2D Barcode has been scanned before taking vitals.
- Check wireless connectivity.
 - Locate the wireless signal indicator on the top right corner of the screen.
 - Move device to an area with connectivity signal and send vitals.
- Check for common causes that prevent vitals from sending:
 - **Save** button is disabled due to failed clinician identification or failed patient lookup
 - User tapped **Save** before vitals appeared on the screen.