Northern Light Health | Optum

From the Office of Health Informatics

CareAware VitalsLink Welch Allyn Device

April 22, 2026

The following will demonstrate the workflow for CareAware VitalsLink using a Welch Allyn 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**



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 Continue Without Login and manually documenting vital signs in the EHR.

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

STEP 3: The monitor returns to the **Home screen**, showing the same username.

STEP 4: Tap to select the desired vital signs **profile selection** from the options displayed.

➢ **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 that the **patient's name** and **identifier** appear on the **Home tab** in the upper portion of the screen.

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, O2FR, and O2DY** at the bottom of the display.

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

- Respirations
- Temperature - Tympanic
- Height
- Weight
- Oxygen Flow Rate
- Oxygen Delivery
- Patient Position
- Cuff Location
- Apical Pulse

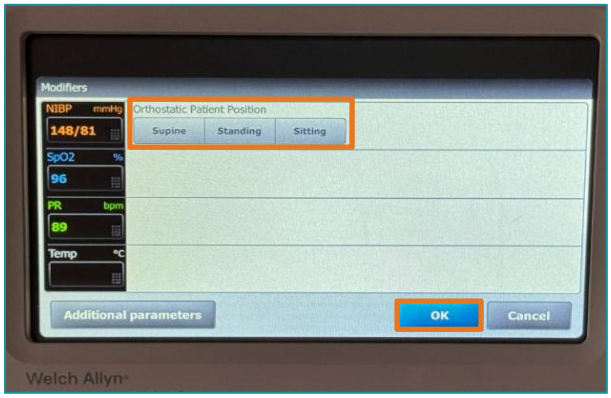
NOTE: **Oxygen Delivery options are limited on the Welch Allyn device due to limited space. More options are available within Millennium PowerChart.**



STEP 3: Tap **Next** to continue.

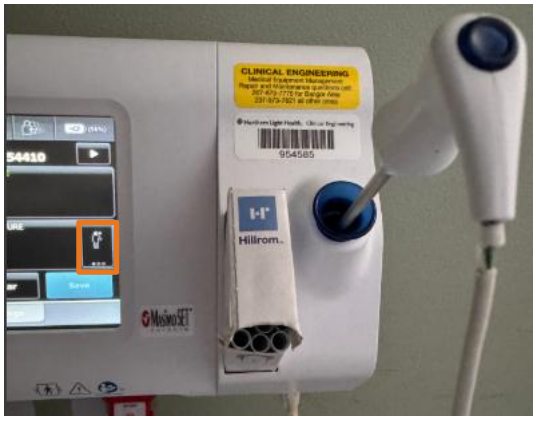
STEP 4: If any **Additional Modifiers** are needed, tap the Modifiers box at the bottom left-hand area of the monitor.

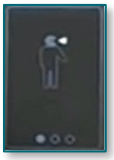
- Orthostatic Patient Position
  - Supine
  - Standing
  - Sitting

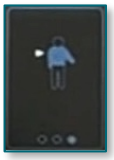


STEP 5: Once modifiers are entered tap **OK.** The **Additional Parameters** screen will open.

➢ Using the Temperature Probe







STEP 1: Remove the Temperature probe from the device.

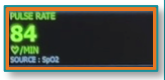
STEP 2: Select the appropriate **Temperature Measurement Icon:**

- **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 indicating the axillary
- **Rectal**: Represented by an infant-crawling icon. The location of the arrow cannot be changed.



➢ Review Vital Signs

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







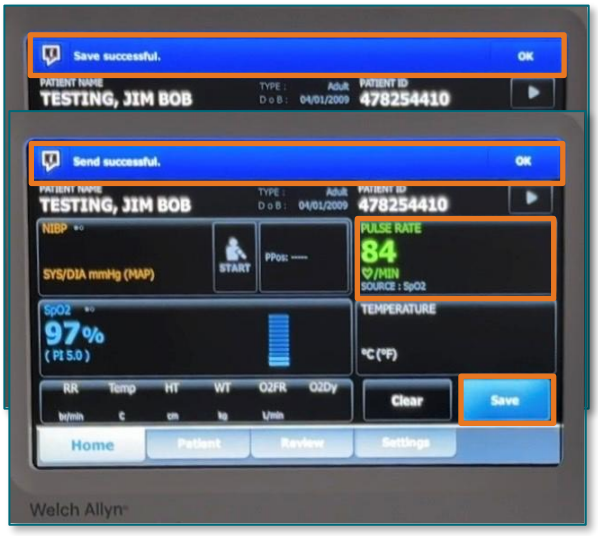
STEP 1: Long hold on the **Pulse Rate** box.

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.

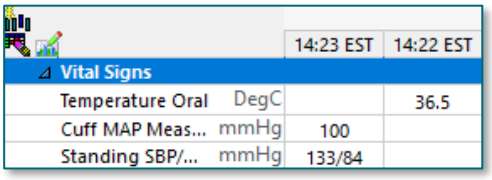
- Tap **OK** to close the message.

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 Clear on the Home screen, then go to Settings and Lock Display.

Reviewing Vital Signs in the EHR

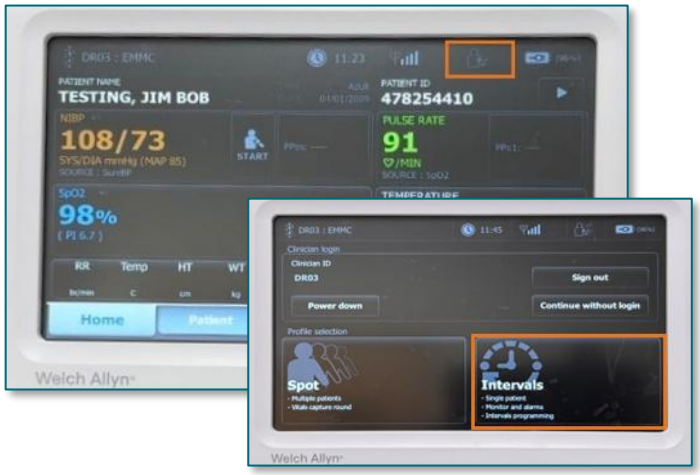


- **Vital signs may display in separate time columns.**
  - The vital signs display at the time in which they have resulted on the Welch Allyn device. Based on how long it takes to obtain the B/P, the Pulse Rate, SpO2, and Respiratory Rate can occur in separate time columns.

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: Tap **Spot Check** in the top-right corner (person with a BP-cuff icon) to open the **Profile** selection screen. For patients needing interval monitoring, choose **Intervals.**

STEP 2: Tap **Settings**, to adjust interval settings.

STEP 3: Choose the desired monitoring mode by tapping on the mode:

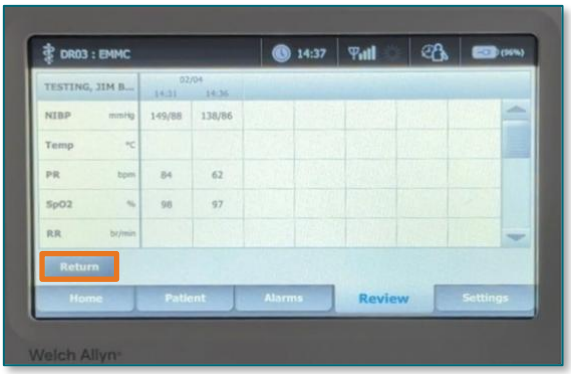
- **Automatic:** Automatically collects vitals every X minutes.
- **Stat:** Captures multiple consecutive readings.
- **Program:** Uses preset intervals.



STEP 4: Adjust desired interval **Minutes.**

STEP 5: Tap **Start Intervals** to begin.

➢ **Sending Interval Vitals**



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

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

STEP 2: Tap **Return**.

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



STEP 3: To send **all readings**, check the box in the top row.

STEP 4: To send **individual readings,** check the box next to vital sign row.

STEP 5: Tap **Send.**

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.**

Vitals disappear from the list as they send.

Troubleshooting

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

- 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**



- 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.