



Training Guide

How to use CalmWave & make vital sign monitor adjustments.



Why CalmWave?

Our mission is to decrease the bedside nurse's workload.

- ✔ CalmWave was selected by your medical and nursing leadership to help produce a quieter environment and decrease the cognitive overload associated with excessive alarming of bedside monitors.
- ✔ Our recommended parameter adjustments have been approved by your medical and nursing leadership.
- ✔ No additional physician order is required to make a vital sign monitor setting change.

Let's Get Started

Logging in to CalmWave:

- ✔ When assessing your patient or settling a new admit, log in to the EHR as normal.
- ✔ Then, log in to CalmWave by going to your browser and clicking the following button:

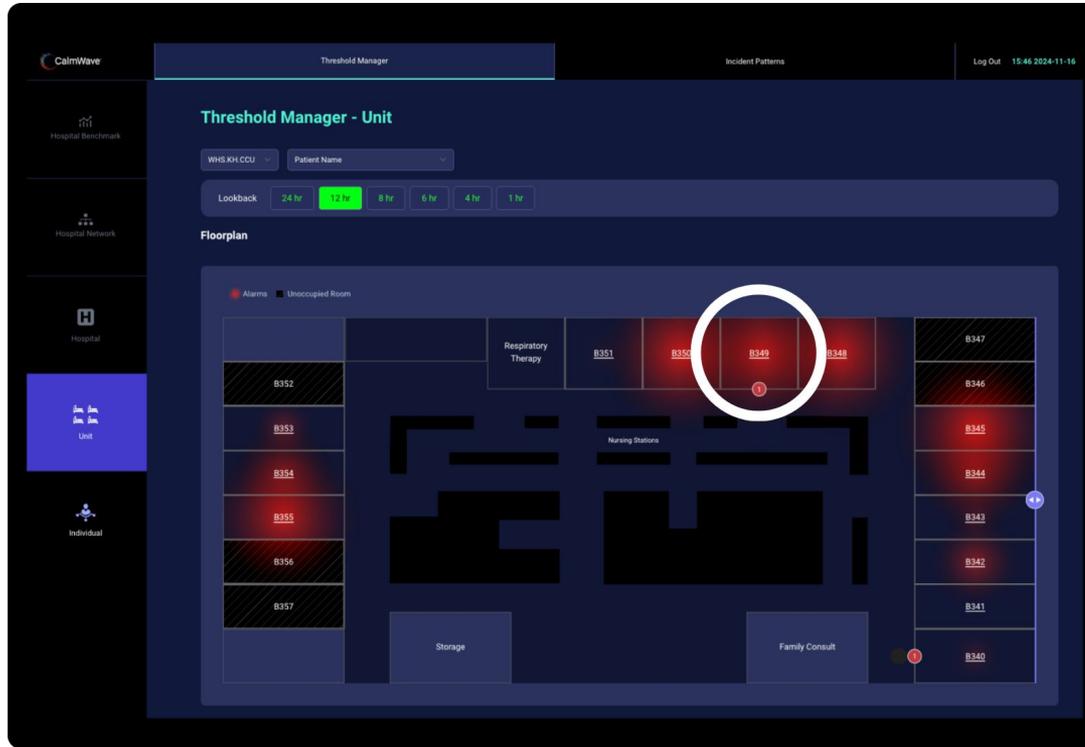


Logging in to CalmWave



You'll see the screen at left, where you will use your **WorkDay login** to access CalmWave via single sign on (SSO).

Logging in to CalmWave



Please check CalmWave **every 2 hours** or **during each patient assessment** for recommended setting updates.

(See the white encircled area: the red circle with a number in it signals there is a CalmWave recommendation.)

Logging in to CalmWave

If you were in the EHR of the patient in 307, for example, and there is a **CalmWave vital sign monitor setting recommendation**, the screen will look like this:

Recommended Settings Updates

Pearl Martinez - Room 307
(HR) Heart Rate

Current Settings

High:	120
Low:	45

Recommended Setting

High:	No Change
Low:	60

Done

CalmWave's Recommendations:

- ✓ You will only receive a recommendation when you are in a specific patient's chart.

Example

→ You will not receive a recommendation for the patient in 308 while taking care of the patient in 307.

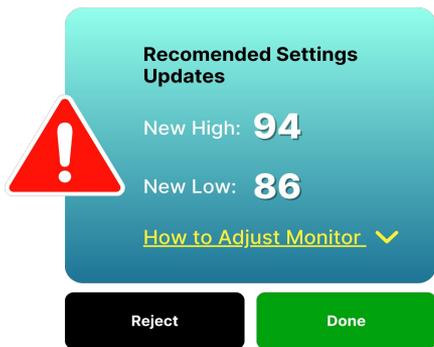
- ✓ CalmWave will never make a Vital Sign change recommendation that's outside of the physician's orders.

Example

→ Order states: Titrate Dopamine = **SBP of > 90**
→ CalmWave will **never recommend** an alarm limit for SBP of 89



How to ACCEPT a CalmWave Recommended Setting



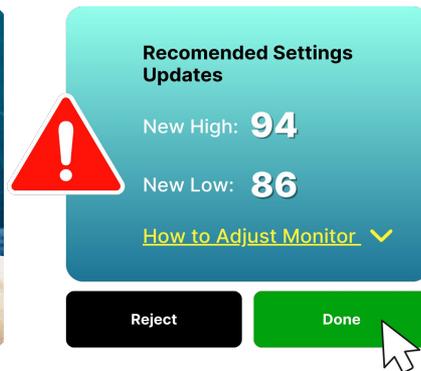
1.

See new recommendations in the Recommended Settings Component (shown above).



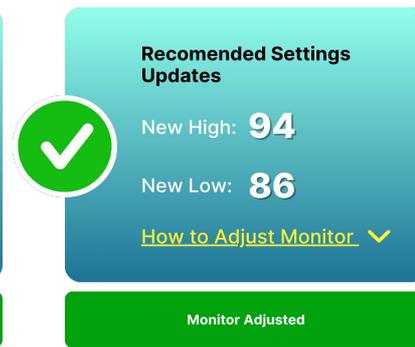
2.

Make one vital sign change at a time on the patient's bedside monitor.



3.

Click "Done" on the Recommended Settings Component.

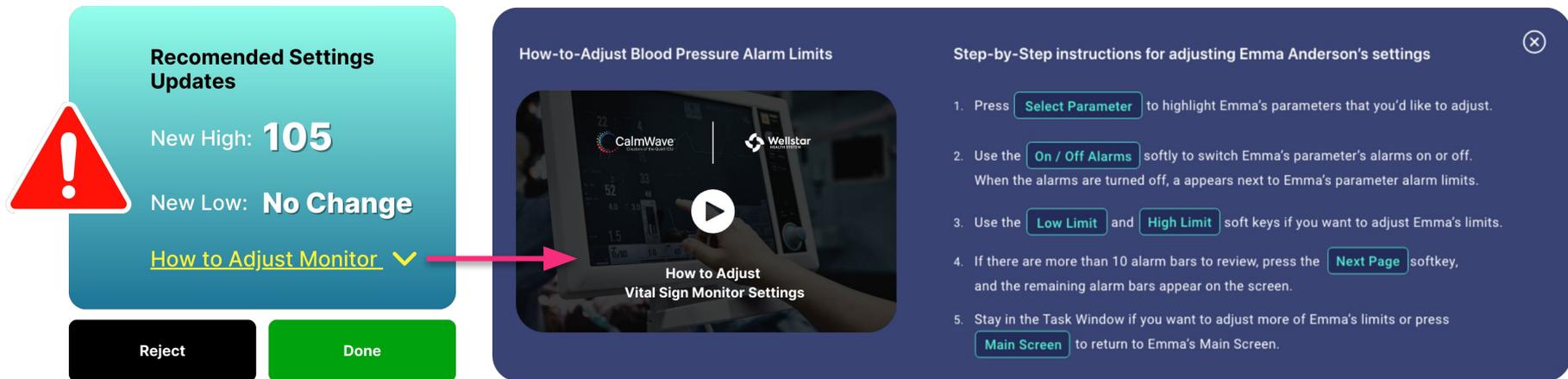


4.

The "Done" button will change to "Monitor Adjusted," then go away once the changes have been validated by CalmWave.

How to ADJUST a CalmWave Recommended Setting

In the Recommended Settings Component, you can find a **link to our tutorial** and a **step-by-step guide** on how to change the patient's monitor settings under "How to Adjust Monitor" (shown below).



The image shows a user interface for recommended settings updates. On the left, a red warning triangle icon is positioned over a teal box titled "Recommended Settings Updates". The box displays "New High: 105" and "New Low: No Change". Below this, a yellow link "How to Adjust Monitor" with a downward arrow is visible. At the bottom of the teal box are two buttons: "Reject" (black) and "Done" (green). To the right, a dark blue overlay window titled "How-to-Adjust Blood Pressure Alarm Limits" is shown. It features a video player with a play button and the text "How to Adjust Vital Sign Monitor Settings". To the right of the video player is a list of five numbered steps for adjusting settings, with key terms like "Select Parameter", "On / Off Alarms", "Low Limit", "High Limit", "Next Page", and "Main Screen" highlighted in teal boxes. A red arrow points from the "How to Adjust Monitor" link in the teal box to the video player in the overlay.

Recommended Settings Updates

New High: **105**

New Low: **No Change**

[How to Adjust Monitor](#) ▼

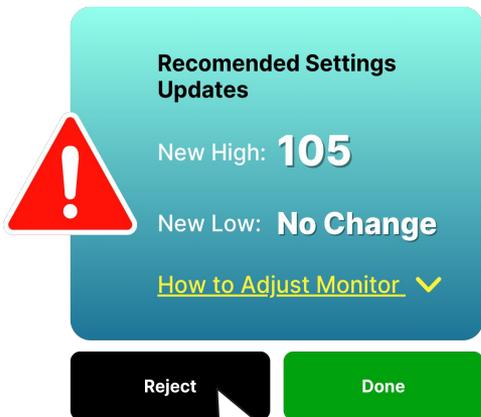
Reject Done

How-to-Adjust Blood Pressure Alarm Limits

Step-by-Step instructions for adjusting Emma Anderson's settings

1. Press **Select Parameter** to highlight Emma's parameters that you'd like to adjust.
2. Use the **On / Off Alarms** softly to switch Emma's parameter's alarms on or off. When the alarms are turned off, a appears next to Emma's parameter alarm limits.
3. Use the **Low Limit** and **High Limit** soft keys if you want to adjust Emma's limits.
4. If there are more than 10 alarm bars to review, press the **Next Page** softkey, and the remaining alarm bars appear on the screen.
5. Stay in the Task Window if you want to adjust more of Emma's limits or press **Main Screen** to return to Emma's Main Screen.

How to REJECT a CalmWave Recommended Setting



Recommended Settings Updates

New High: **105**

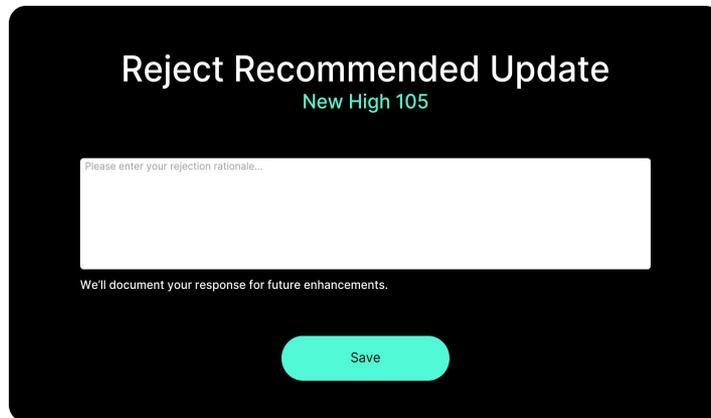
New Low: **No Change**

[How to Adjust Monitor](#) ▾

Reject Done

1.

Click the "Reject" button in the Settings Component.



Reject Recommended Update

New High 105

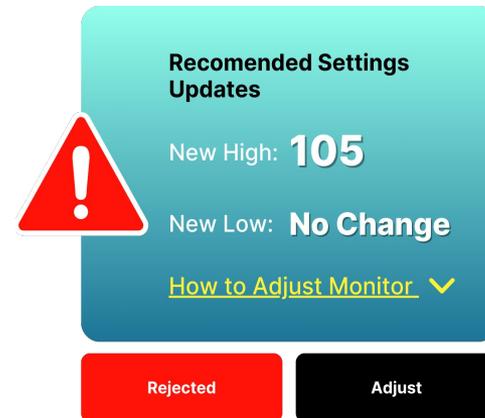
Please enter your rejection rationale...

We'll document your response for future enhancements.

Save

2.

Enter your rationale for rejecting the recommended setting in the pop-up field and click "Save".



Recommended Settings Updates

New High: **105**

New Low: **No Change**

[How to Adjust Monitor](#) ▾

Rejected Adjust

3.

Once your rationale is saved, the "Reject" button will change to "Rejected" in red.

How to Undo a Rejection: If you want to *accept* a recommended setting after "rejecting", just **click on "Adjust"** and the component will reset to its default options, where you can then proceed with the adjustment.

Deep Dive: What's Behind the CalmWave Recommendation?

Recommended Settings Updates





Pearl Martinez - Room 307
(HR) **Heart Rate**

Current Settings	Recommended Setting
High: 120	High: No Change
Low: 45	Low: 60

Done

Deep Dive: What's Behind the CalmWave Recommendation?

Click inside the **navy blue box** (see cursor) to see the patient's data.

Recommended Settings Updates

Pearl Martinez - Room 307
(HR) **Heart Rate**

Current Settings

High:	120
Low:	45

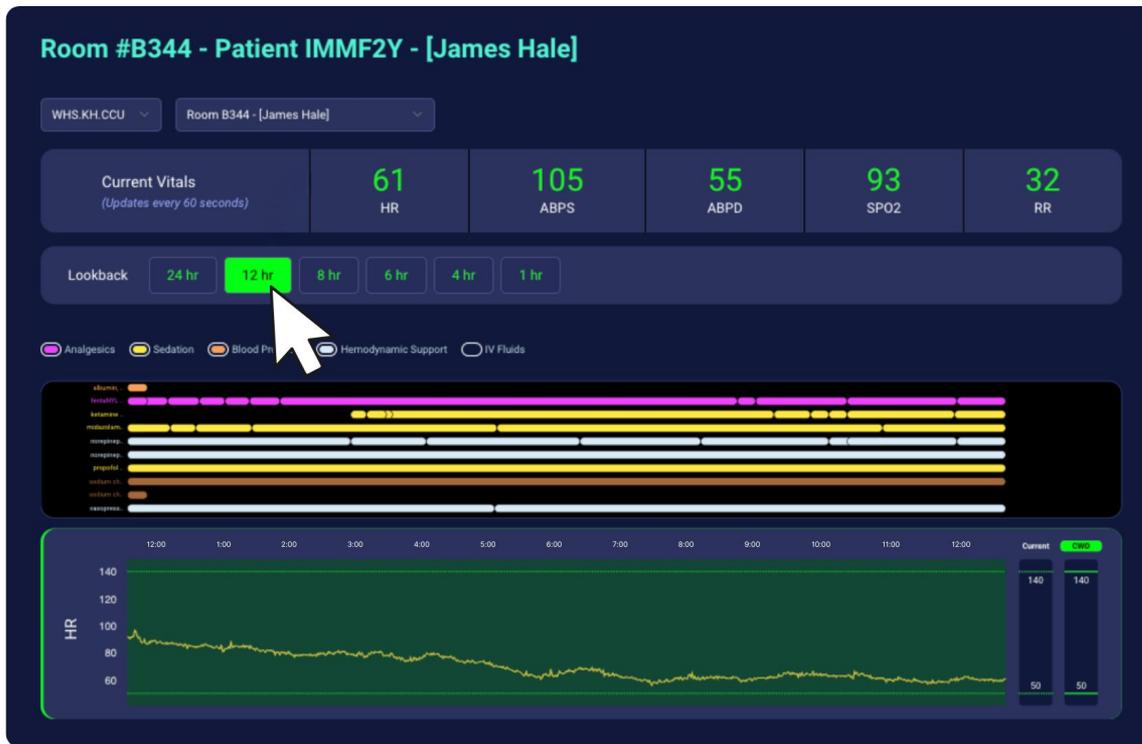
Recommended Setting

High:	No Change
Low:	60

Done

Patient Data Behind CalmWave's Recommendation

First, **select your desired "lookback" time** (*see cursor*).
The selected timeframe will be applied to all vital signs.



Patient Data Behind the CalmWave Recommendation

In this example, the patient has received IV sedation, blood products, diuretics, hemodynamic support, and IV fluid medications in the past 12 hours.



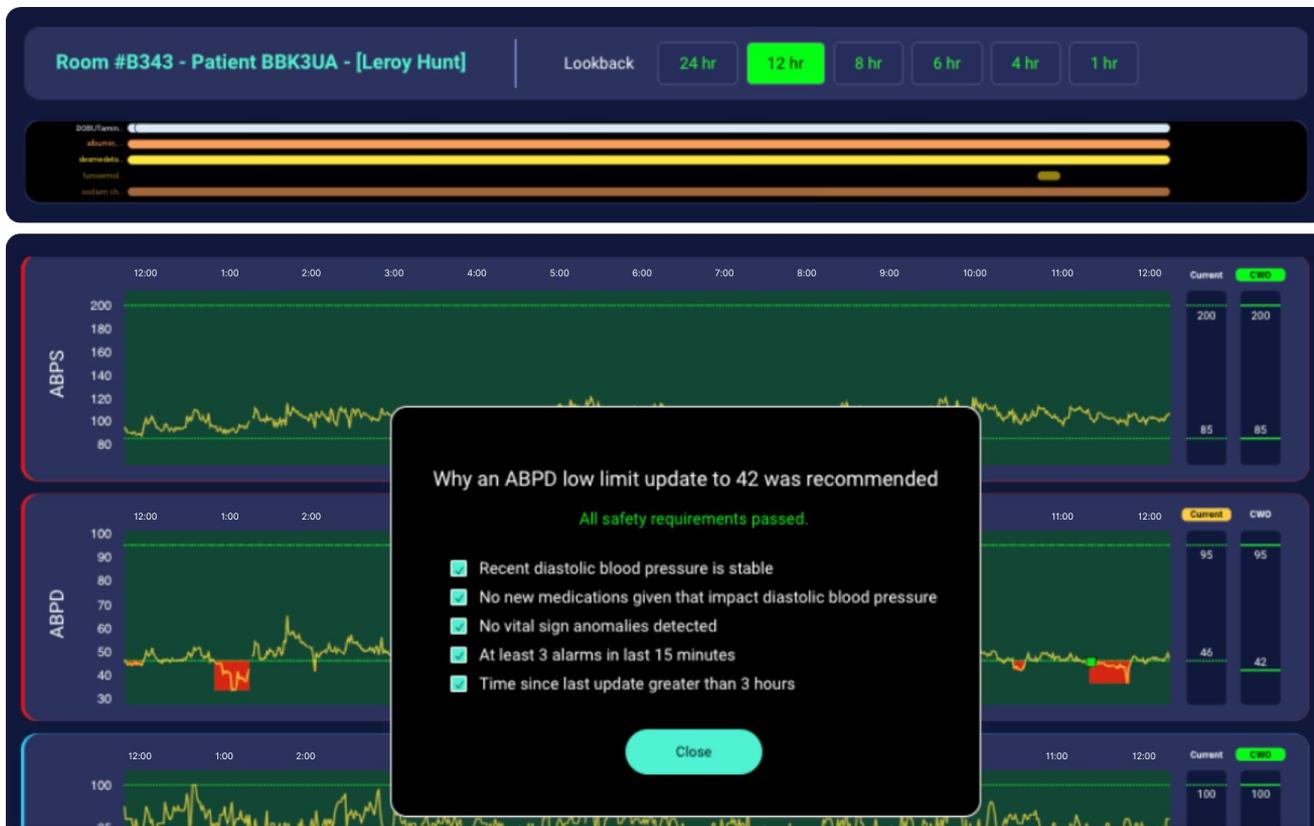
Patient Data Behind the CalmWave Recommendation

Click on the farthest right green square (see cursor) in the vital sign graph to see CalmWave's rationale behind the most recent setting recommendation.



Patient Data Behind the CalmWave Recommendation

Clicking on the green box reveals **CalmWave's 5 Safety Gates**.



Patient Data Behind the CalmWave Recommendation

CalmWave will never make a recommendation **unless all 5 Safety Gates are met.**

Why an ABPD low limit update to 42 was recommended

All safety requirements passed.

- Recent diastolic blood pressure is stable
- No new medications given that impact diastolic blood pressure
- No vital sign anomalies detected
- At least 3 alarms in last 15 minutes
- Time since last update greater than 3 hours

Close

Patient Data Behind the CalmWave Recommendation

You can also look at previous CalmWave recommendations by **clicking on the green squares earlier** in the timeline.



Patient Data Behind the CalmWave Recommendation

Here is where the current upper and lower **heart rate limit is set**, along with the patient data that supports the latest CalmWave Recommendation (CWO).

See the white encircled area.



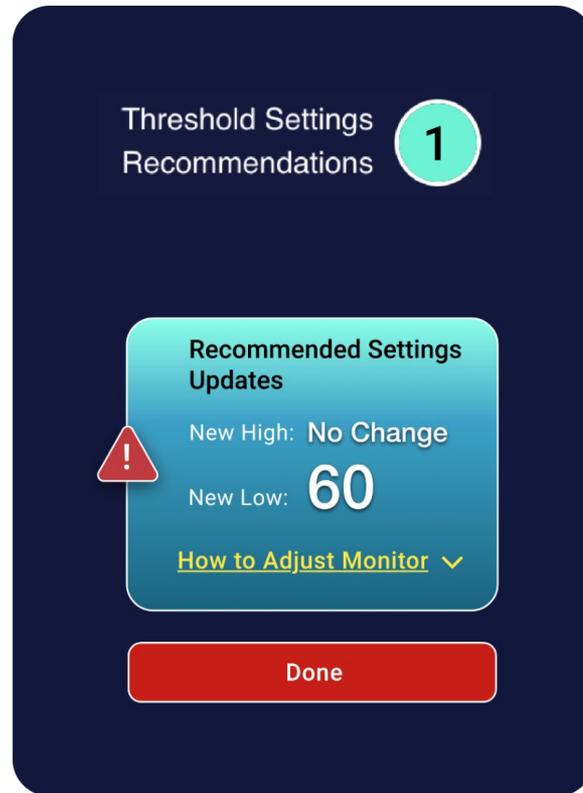
Patient Data Behind the CalmWave Recommendation

Now that you've seen the vital sign data, you can adjust the monitor, **accept the setting recommendation** for APBD, and click "*done*".

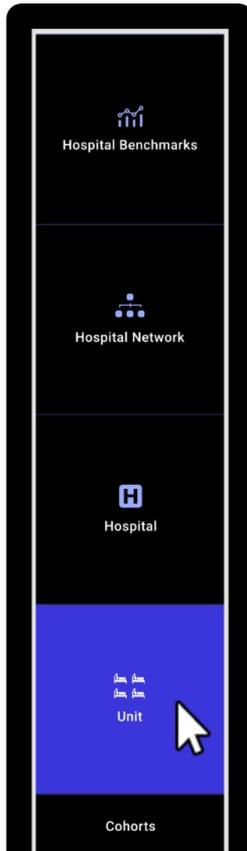


Please Remember:

CalmWave shows how many
monitor setting recommendations
there are at a glance:



Charge Nurse's Look



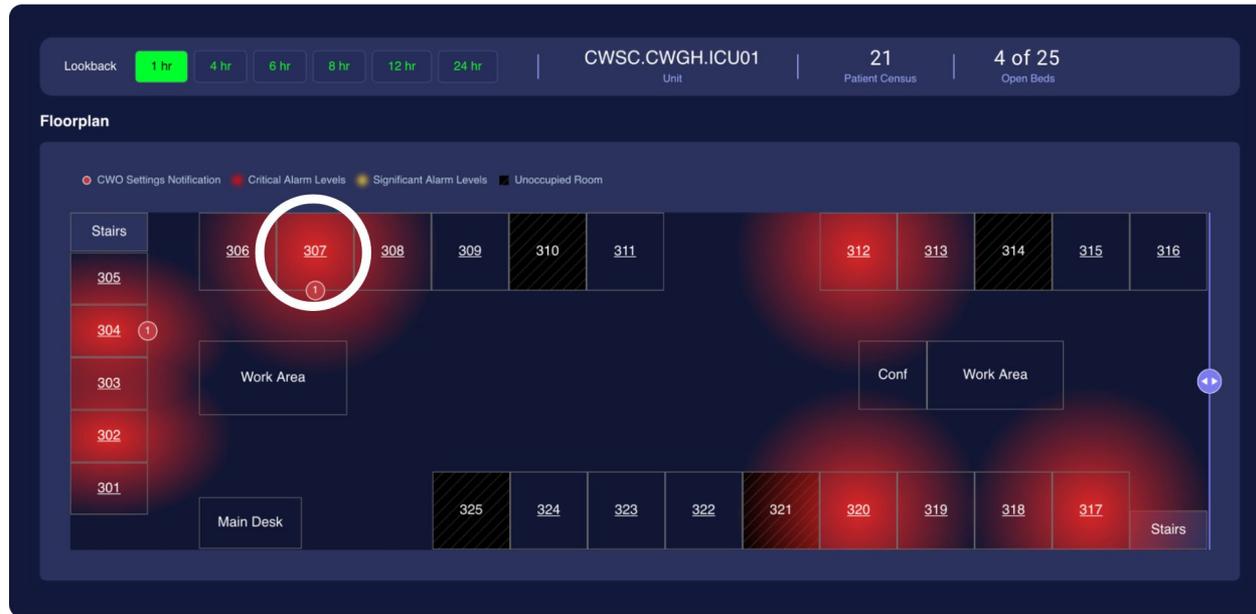
For Charge Nurses or Nurse Managers who want to see at a glance how the unit is doing:

- 1 Select the "Unit" lens in the left side Navigation
- 2 Select the "Threshold Manager" view in the top Navigation

Charge Nurse's Look: "Unit" Lens

Here is the view of the entire unit, where the Charge Nurse and/or Nurse Manager can see which patient assignments are alarming the most and require more support.

A circle with a number in it **indicates that CalmWave has a recommendation for that patient.**



Bedside Monitor Alarm Limit Adjustments





Q4 2024
Proprietary & Confidential

24/7 Support Line:

+1.888.688.5098

support@calmwave.ai

**Designed by clinicians
for use by clinicians.**



hello@calmwave.ai

FASTCOMPANY

GeekWire

Forbes

Inc.

FORTUNE

TE