

Bedside Caregiver Training

Spacelabs SafeNSound 5.x – Enterprise Software

Spacelabs training acknowledgement

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It is recommended that you review the Operations and Service Manuals in conjunction with viewing these materials.

All data shown in this video is from Spacelabs' simulation program and is not actual patient data.

Specifications subject to change without notice.

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35301 SE Center Street, Snoqualmie, WA 98065

T +1 425 396 3300 | +1 800 287 7108

www.spacelabshealthcare.com

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Menu Navigation

1. Dashboard

Primary tab, used to manage patients, communication, and notes

2. My Patients

Contains assigned patients being monitored within the facility(s)

3. Messages

Communicate with staff via Messages

4. Staffing

Assign Caregivers with current patients

5. Bedside

Allows caregiver to admit, discharge, transfer, and manage patient location

6. Archive

Reference patient information from a prior visit

7. Clinical Insights

Provides Daily Rounding & Device Tracking reports

8. Support

Chat with SafeNSound support team

SPACELABS HEALTHCARE Dashboard - My Patients

Role: Caregiver Caregiver User

My Patients: 2 Alarms: 0 Tasks: 6 Messages: 2

Alarms & Tasks

310 - Load, Dashboard Saved Event 20:48:04 310 - Load, Dashboard Saved Event 20:48:09 310 - Load, Dashboard Saved Event 20:50:27 310 - Load, Dashboard Saved Event 20:51:06 310 - Load, Dashboard Saved Event 20:52:01 310 - Load, Dashboard Saved Event 20:52:09

My Patients My Patients 2 Annual Test Org Test Test - ED Test - PACU Test - NICU Test - Mod-Surg Test - PICU Test - yolo

302 - Doe, Tom Heart rate alarm 0 Alarm Review Overview Waveform

304 - Dm, Philips Paced 0 Alarm Review Overview Waveform

309 - Scroll, Test 0 Alarm Review Overview Waveform

310 - Load, Dashboard Walking 20:47:00 60 19h:39m 60 19h:39m 3 Alarm Review Overview Waveform

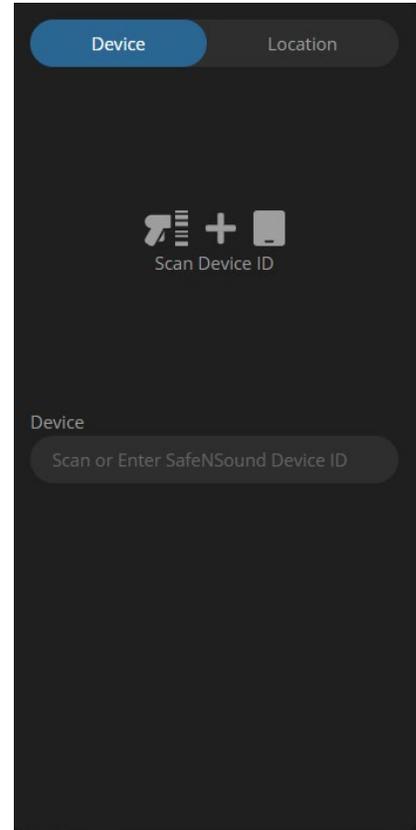
315 - Admit, Test 0 Alarm Review Overview

5

What is SafeNSound Bedside?



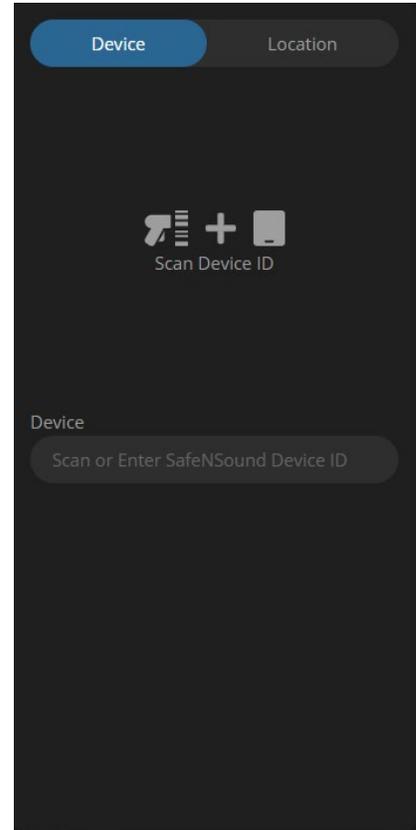
SafeNSound Bedside manages monitoring devices and patient locations through device and patient scanning, while staying in sync with Central Monitoring. This speeds up the assignment process and makes information sharing more accurate.



How to get started?



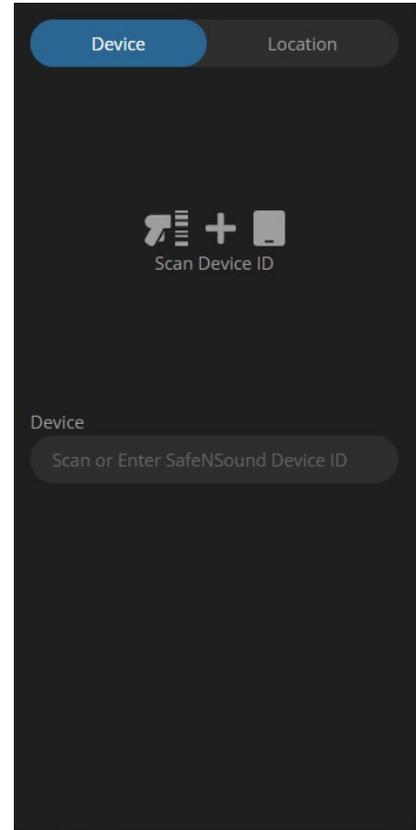
Open SafeNSound on any bedside computer with a barcode scanner connected to it. SafeNSound can also be accessed by mobile app on a smart device when applicable.



Assigning Devices



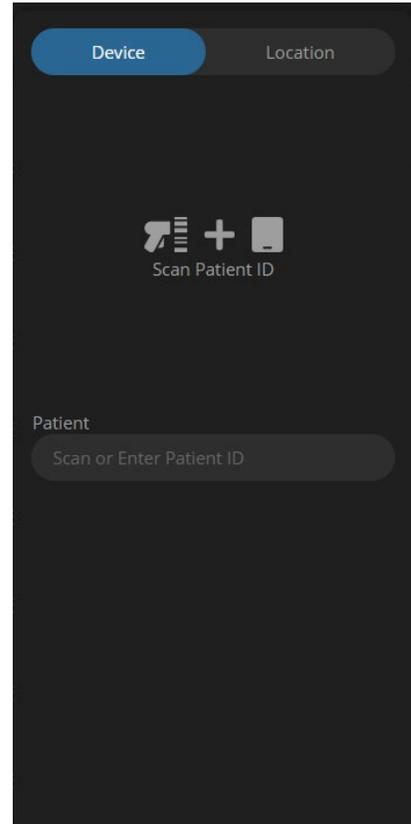
To assign a device to a patient, first scan the Spacelabs Device ID on the front of the device.



Assigning Devices



If a patient is already admitted to the device, disassociate the previous patient. If no patient is associated, you can scan the patient ID band to admit the new patient.



Assigning Devices



Once scanned, confirm the patient details and select the patient's current bed location by typing in the bed field.

*If integrated with the hospital's registration system the room number may automatically appear but should be validated by the clinician.

A screenshot of a mobile application interface for assigning a device. The interface is dark-themed. At the top, there are two tabs: 'Device' (selected) and 'Location'. Below the tabs, there are several input fields: 'Device' (containing 'MS21'), 'Patient' (containing '87654301'), 'Patient Name' (containing 'Doe, A015'), and 'Bed' (containing 'MS21'). There is also a checkbox for 'Auto Assignment' which is checked. At the bottom, there are two icons: a lung icon labeled 'SpO2' and a lightning bolt icon labeled 'Paced'. A large green button at the bottom is labeled 'Associate Device'.

Device Location

Device MS21 24664

Patient 87654301

Auto Assignment

Patient Name Doe, A015

Bed MS21

SpO2 Paced

Associate Device

Assigning Devices



Click Associate Device to finalize the association and notify Central Monitoring on the new patient.

Auto Assignment By default this is toggled on. This assigns the patient to the scanning caregiver in Staff Assignment. If toggled off, the patient will not be assigned to the scanning caregiver and will require assignment manually.

Clear Data and Settings By default this is toggled on. This feature is only on the Bedside Monitor Associate Device screen. You will need to deselect to keep existing vital sign data on the bedside monitor.

***Workflows may differ between bedside monitors and telemetry and organizations with or without central monitoring units.**

Telemetry Device

A screenshot of a mobile application interface for assigning a Telemetry Device. At the top, there are two tabs: 'Device' (selected) and 'Location'. Below the tabs, there are several input fields: 'Device' with the value 'MS21', 'Patient' with the value '87654301', and 'Patient Name' with the value 'Doe, A015'. There is a dropdown menu for 'Bed' with the value 'MS21'. Below these fields are two icons: a pulse oximeter icon labeled 'SpO2' and a lightning bolt icon labeled 'Paced'. At the bottom, there is a green button labeled 'Associate Device'. A toggle switch for 'Auto Assignment' is checked.

Bedside Monitor

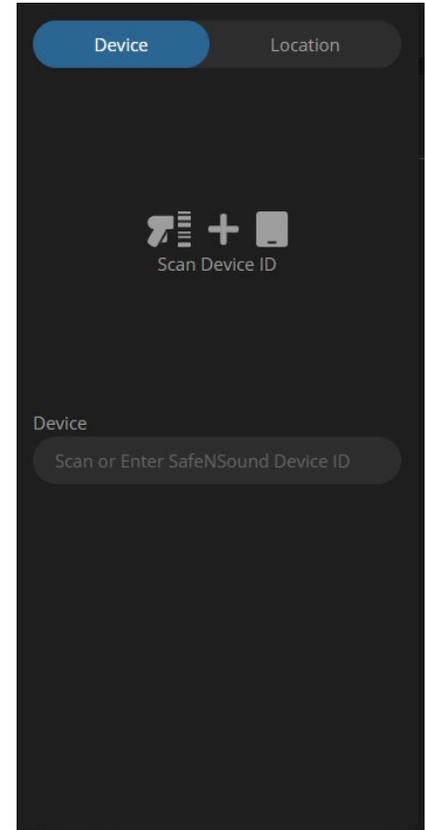
A screenshot of a mobile application interface for assigning a Bedside Monitor. At the top, there are two tabs: 'Device' (selected) and 'Location'. Below the tabs, there are several input fields: 'Device' with the value 'ED21', 'Patient' with the value '87654301', and 'Patient Name' with the value 'Doe, A015'. There is a dropdown menu for 'Bed' with the value 'ED21'. Below these fields are two icons: a pulse oximeter icon labeled 'SpO2' and a lightning bolt icon labeled 'Paced'. At the bottom, there is a green button labeled 'Associate Device'. A toggle switch for 'Auto Assignment' is checked. A toggle switch for 'Clear Data and Settings' is also checked.

Transferring Devices



When transferring from one device to another simply scan the new device and submit the assignment request.

For example, a patient transfers from a Telemetry Device to Bedside Monitor or one permanently assigned Transmitter to another permanently assigned Transmitter.



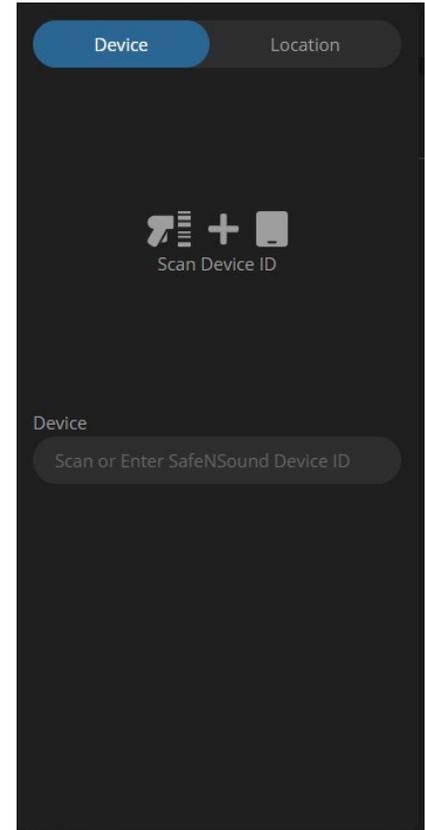
Removing Devices



To disassociate a device from a patient, scan the Spacelabs Device ID on the device (Transmitter or Bedside Monitor).

For Bedside Monitor disassociation you can use the Discharge and Standby feature, if available.

*Using this feature will remove the patient from SafeNSound within 5 minutes



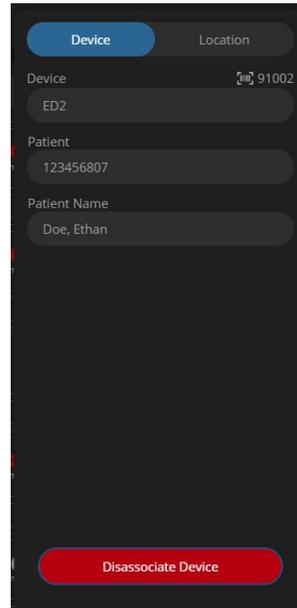
Removing Devices



Click disassociate device (in the SafeNSound application) to notify Central Monitoring of the patient discharge.

*For Bedside Monitor disassociation you can use the Discharge and Standby feature, if available.

Discharge within the SafeNSound application



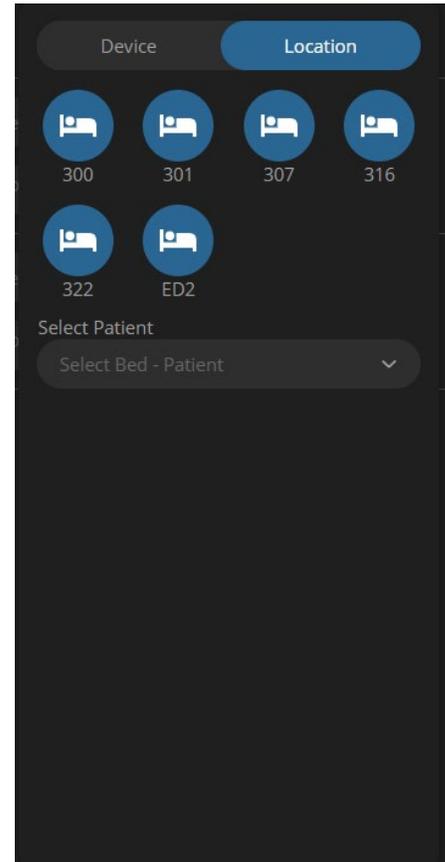
Discharge Bedside Monitor (if available)



Location Management

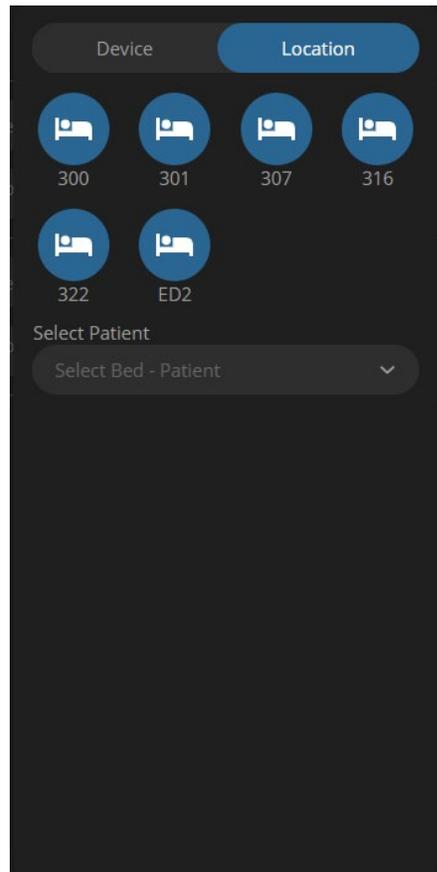


Location management allows you to quickly sync a patient's location with Central Monitoring without a phone call.



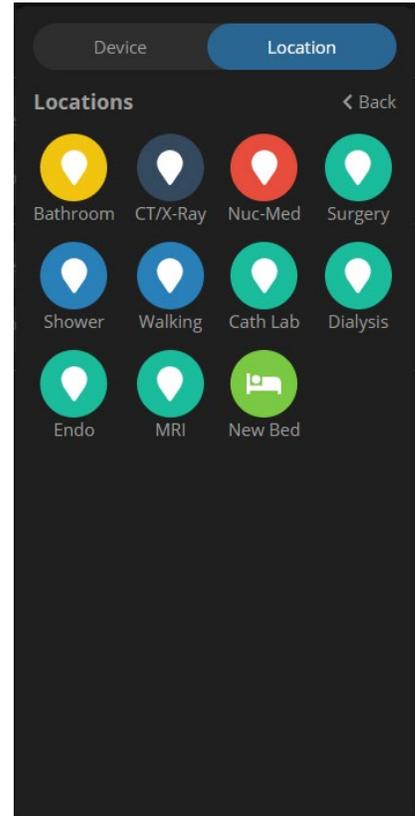
Location Management

Select your patient or search for other patients in the search area.



Location Management

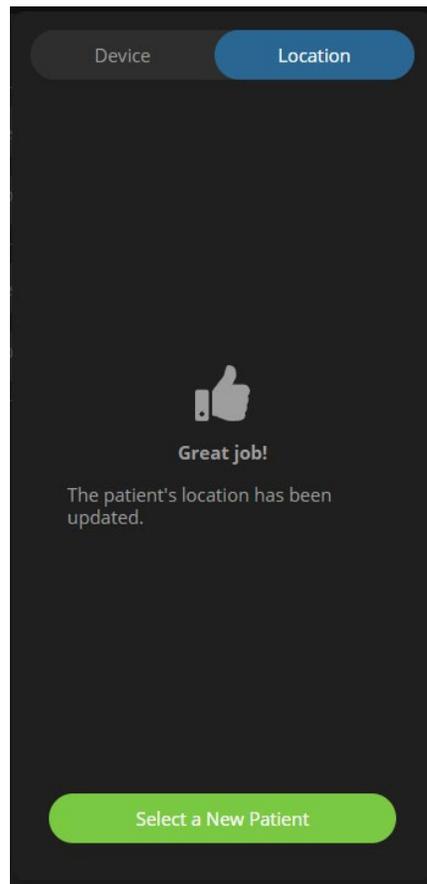
Select the patient's temporary location or select 'New Bed' to select the bed the patient is moving to.



Location Management

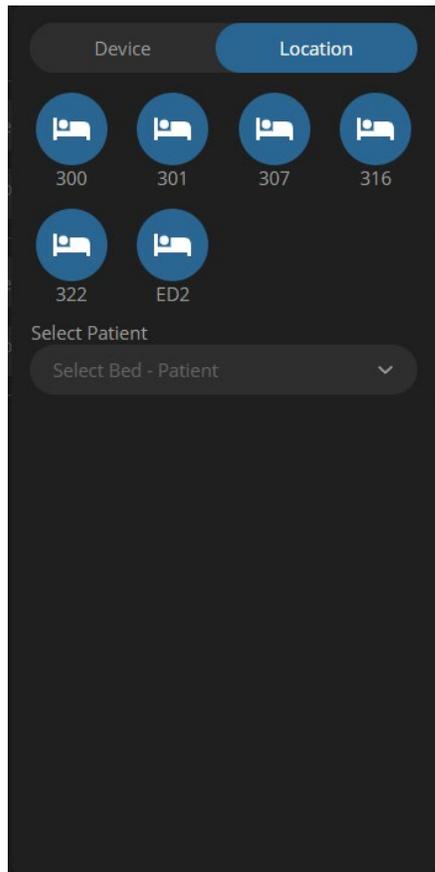


That's it! Everything is up-to-date with no phone calls or distractions.



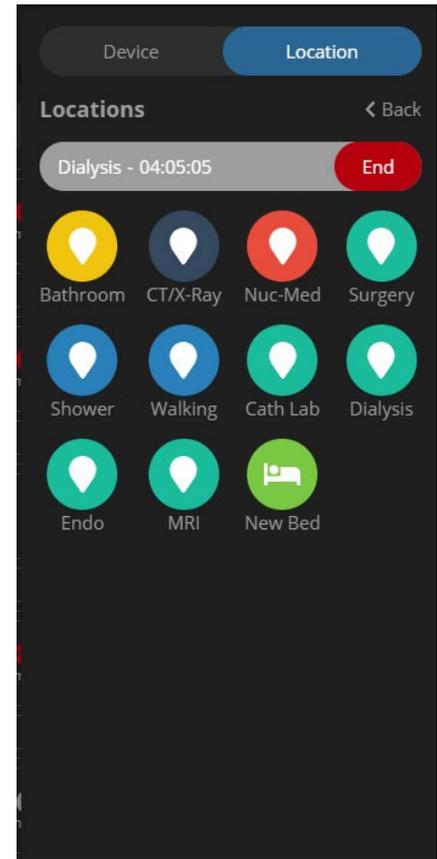
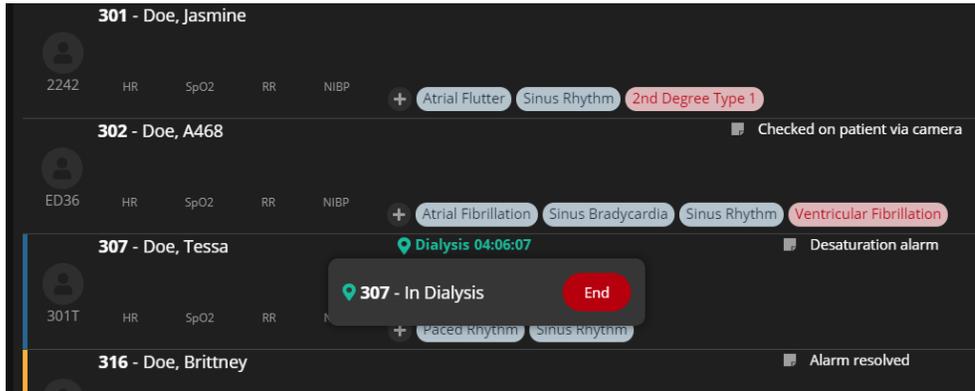
Location Management

When your patient returns to their bed, simply select Location and the corresponding room or select the Location card at the top of the patient Overview page.



Location Management

An update question will prompt you if that user has returned, select **End**. Monitor Technicians have access to updating the Patient's Location as well.



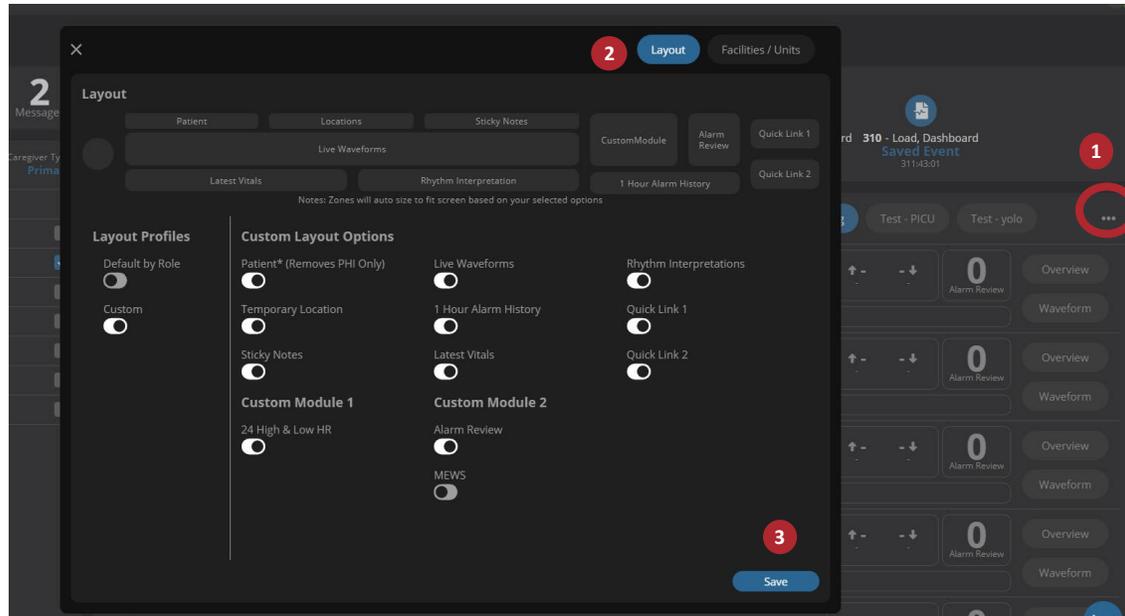
Dashboard: Customized Screen

Custom Layout Options

Allows the user to customize their dashboard view

To Access Customized Layout

1. On the Dashboard, click on the ellipsis (located on the far right-hand side of the screen)
2. **Layout** opens, select user's preferred options
3. Click **Save**



Dashboard: My Patients

1. Rhythm Interpretation

Pulled from last Approved ECG strip or manually entered using the **+** symbol

2. Alarms & Tasks

- Saved Events
- Alarms
- ICSC Report

3. Indicators

- **Yellow** = Patient has a Pacemaker
- **Blue** = Patient utilizing SPO2 on Telemetry Transmitter
- **Purple** = DNR

SPACELABS HEALTHCARE Dashboard - My Patients

2 0 0 0
My Patients Alarms Tasks Messages

Patients
+ Demo - 41
- Demo Education - 9
- ED - 1
ED2 - Doe, Ethan
+ ICU - 2
- Med Surg - 5
301 - Doe, Jasmine
302 - Doe, A468
307 - Doe, Tessa
316 - Doe, Brittney
322 - Doe, Pam
+ NICU - 1
+ OR - 0
+ PACU - 0

Alarms & Tasks
ED4 - Doe, Reagan
Saved Event
5:00:05

My Patients My Patients Demo Demo Demo Education Demo Education - Med-Surg Demo Education - ED Demo Education - ICU Demo > ***

302 - Doe, A468
Checked on patient via camera
HR 62 SpO2 98% RR 32
+ Atrial Fibrillation Sinus Bradycardia Sinus Rhythm Ventricular Fibrillation
Alarm Review 0
Overview Care Team

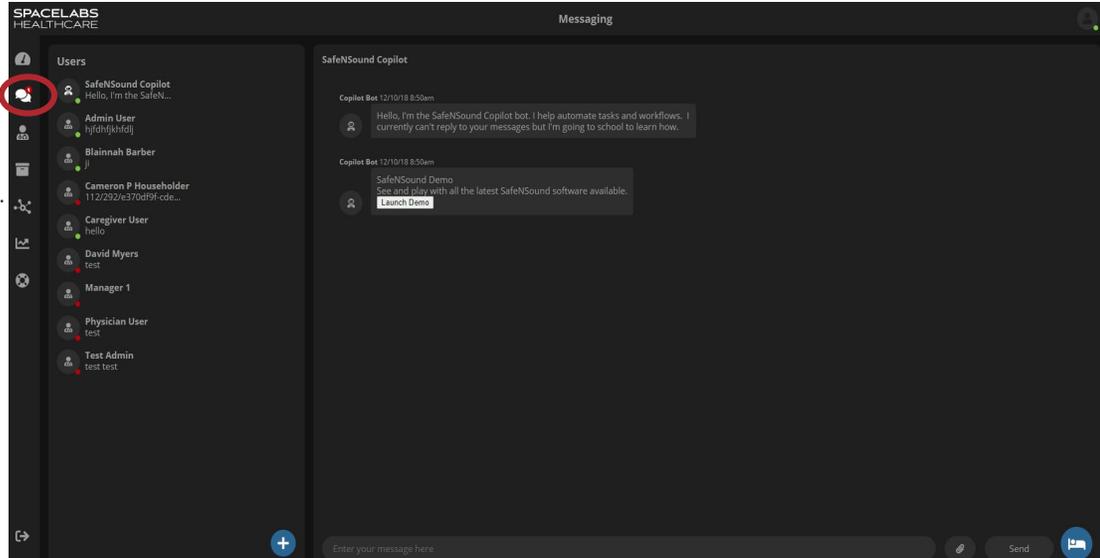
ED2
HR 62 SpO2 98% RR 32
+ Sinus Rhythm
Alarm Review 0
Overview Care Team

v5.1.2

Messaging Staff

Select the Messenger Icon on the left.

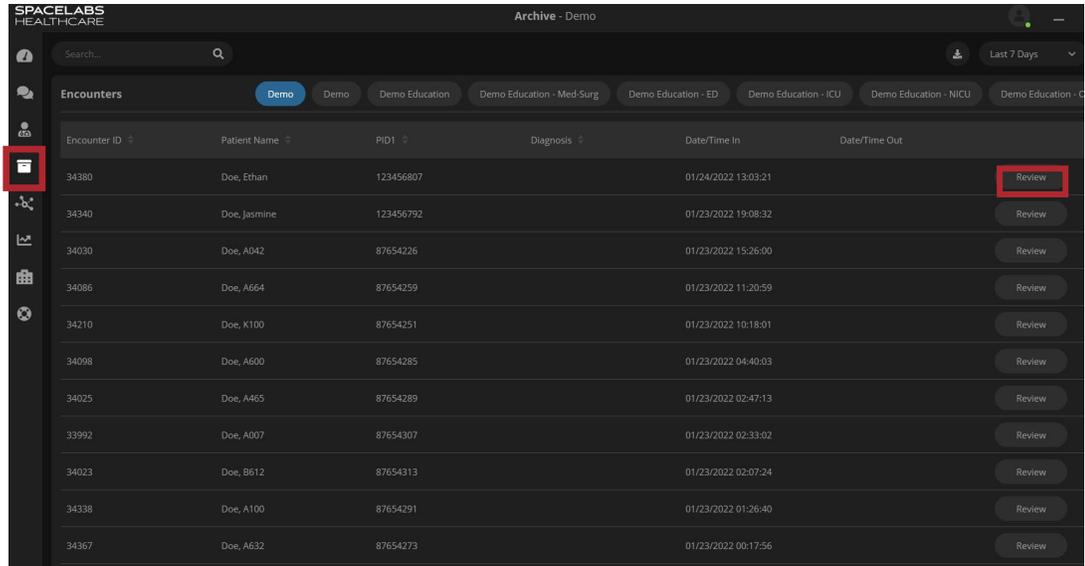
- Message staff associated to a specific patient
 - *This is based off Staff Assignments.
- Message a specific Staff Member
- Receive SafeNSound Update Messages
- Communicate with SafeNSound Support



Archive Tab

The archive tab is used when searching for patient data from a prior visit.

- Each patient has their history saved and viewable from a single review window.
- Data including saved waveforms can be stored for up to two years.
- Waveform data that has not been saved by a clinician remains for two weeks.



Help & Support Tab

Support Feature

- Located at the bottom left of the menu is the Support icon.
- Type in your question and communicate with our SafeNSound Support bot

* Follow organization's policy to report any issues

The screenshot displays the 'Encounters' screen in the Spacelabs Healthcare app. A table lists patient encounters with columns for 'Encounter ID' and 'Patient Name'. A red circle highlights the 'Support' icon (a soccer ball) in the bottom-left navigation menu. An overlay window titled 'Spacelabs Healthcare' is open, showing a chat interface with a 'Get in touch' button and a text input field.

Encounter ID	Patient Name
34380	Doe, Ethan
34340	Doe, Jasmine
34030	Doe, A042
34086	Doe, A664

Spacelabs Healthcare

Healthcare.

Here are some top suggestions for you:

- SafeNSound 5.1.0**
New User Login Status - Displays user login status as Online or Offline
- SafeNSound 5.1.2**
Build 935 New Auto Transfer Notification - Allows a notification
- SafeNSound Desktop Application**
This document defines the current

[Get in touch](#)

Type your question here...

v5.1.2

Patients

Caregiver Patient Assignment

- Select your Patient(s) assignment for your shift by selecting each Check Box.
 - This will assign you as the caregiver and will direct incoming from the monitor tech to your device.

Note: There are several ways to assign a patient to a caregiver. You will see under the device association and staffing assignment, different methods.

*** Follow hospital policy as the staffing process may be done manually or with integration from the EMR.

The screenshot shows the SPACELABS HEALTHCARE 'Dashboard - My Patients' interface. On the left, there is a 'Patients' list with checkboxes for assignment. A red arrow points to the checkbox for patient '310 - Load, Dashboard'. The main area displays 'Alarms & Tasks' and 'My Patients' details for three patients: 302 - Doe, Tom; 304 - Dm, Phillips; and 310 - Load, Dashboard. Patient 310 is highlighted with a red arrow pointing to its checkbox in the list.

Navigating the Patients Tab

Patients Tab

Select Hospital and Unit

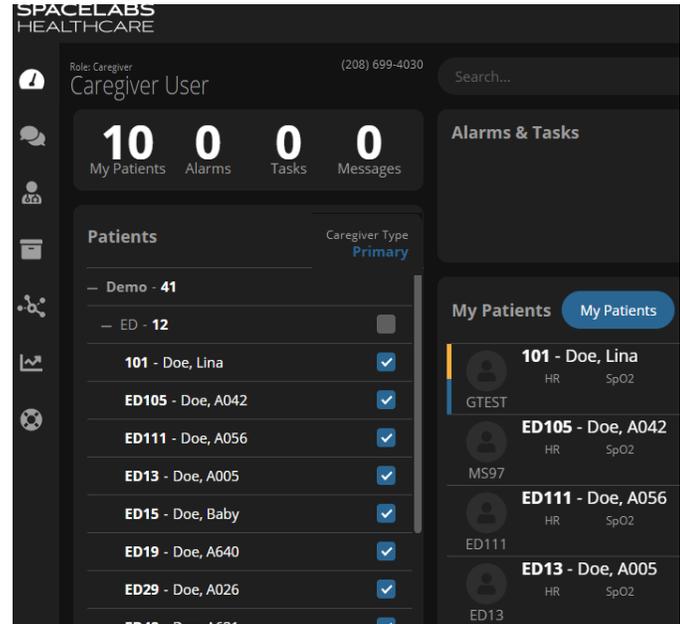
- Represents all monitored patients from a Facility to individual Department level view.
- Allows the Monitor Technician to manage any combination of patient assignments specific to their needs by conveniently assigning and unassigning patients from the user's Dashboard.

Select Patient Assignment

- Selecting the patients listed, can be done by individually checking each box, or selecting a department to check all patients.
- Taking ownership of a patient(s) will place the patient(s) on the specific user's dashboard.

*If another user has ownership of this patient, it will take the patient assignment from their dashboard, placing the patient(s) on your dashboard.

**This does not move the patient(s) on the central monitors.



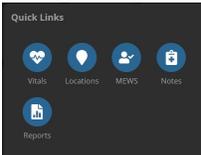
Managing a Patient - Overview Tab

1. Heart Rate Trend and Vitals

- Manually entered or integrated with EMR
- Lowest and Highest heart rate shown for each hour

2. Quick Links +

Conveniently access Reports, Notes, and manually update patient's Vitals, MEW Score, and Location.



3. Pending Alarms/Saved Events

Use the right and left arrows to review Pending Alarms throughout the timeline.



Managing a Patient - Overview Tab

Patient Cards

1. Latest Vitals
 - Saved ECG events by Monitor Tech, pending RN approval
2. Saved Events
 - Locations Update; customizable
3. Current Location
 - Pending a arrhythmia review; customizable
4. Alarm Review
 - Modified Early Warning Score
5. MEW Score
 - Highest and lowest HR in 24 last hours
6. 24 Hour Heart Rate
 - Can be manually entered or pulled from the EMR
7. Code Status
 - Time Monitored
8. Time Monitored
 - Monitored Orders
9. Monitored Orders
 - Tele Orders from EMR



Managing a Patient - Waveforms

Waveforms: Scale Changes

Change the size of the patient's waveform for better viewing.

- To change the size of the waveform, click on "mm/mV"
The options include: **0.25x**, **0.5x**, **1x** (normal), **2x** and **4x** in size.
- When the strip is selected in the 6 second format, it will save in standard 10mm/mV size.



Managing a Patient - Waveforms

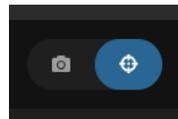
Select Patient

Select Waveforms Tab

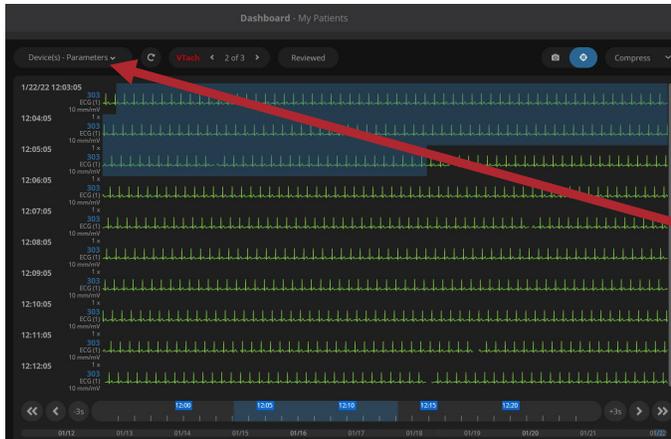
To Navigate Waveforms

1. Select either the single arrow right or left (44 Second Navigation or 1 page), the double arrows right or left (30 Minute Navigation), or +/- 3 seconds
2. You may also click within the navigation to go to a point in time.
3. Use the right and left arrows to review Pending Alarms
4. Click waveform feeds **On/Off**
5. Option for **Strip** or **Compress** view





The compass (to the right of the camera) allows for custom saved events in strip or compressed waveform view.

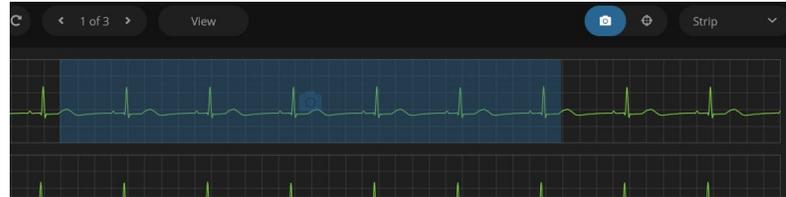


In compressed waveform view you can save up to 10 minutes at a time by narrowing the number of feeds you are viewing.

Managing a Patient - Waveforms

Save a Waveform

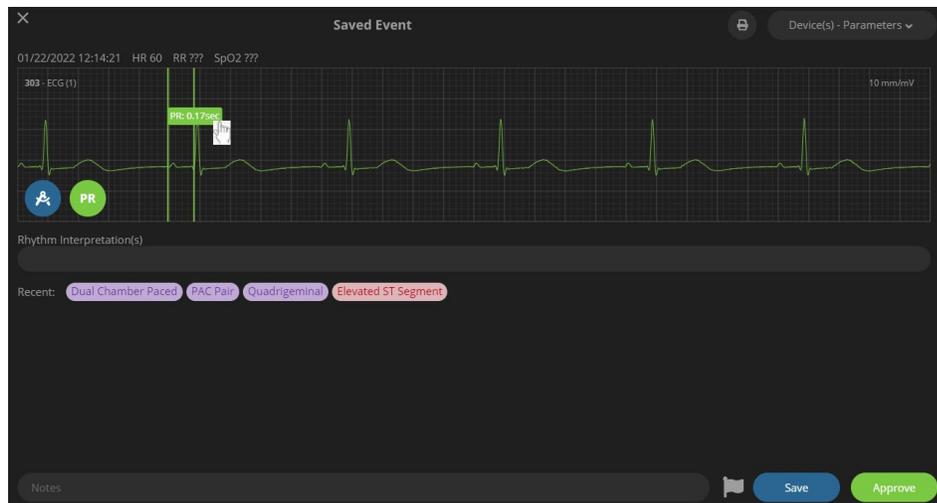
1. Scroll over the desired waveform.
2. A light blue snip-it area will appear
3. Click the waveform to open a snapshot.
4. Select the caliper icon and desired parameter measurement.
5. Click and drag in the desired area of the waveform to measure the beat. (Scroll over the caliper line to drag and change the measurement)
6. Continue to add PR, QRS, RR, QT measurements.
7. Select the appropriate Rhythm Interpretations by clicking in the Rhythm Interpretation field and selecting the appropriate Rhythm Interpretation.
8. Type a note or flag the waveform, if necessary, by clicking the flag icon.
9. Select **Save**.



Managing a Patient - Waveforms

Locking Calipers

1. Place the caliper.
2. Hover over the caliper measurement.
3. Note the pointing finger – Click
4. You can now drag the locked caliper throughout the strip.
5. To stop, place caliper in the correct position on the waveform and click away from area– the caliper will remain where it was placed.



Adjusting Calipers

1. To adjust or re-do a caliper, click the caliper icon you want to re-do or replace.
2. Drag and drop caliper on another portion of the waveform.
3. Original measurement will disappear and the new one will remain.

Flagged Events

Monitor Tech or Clinician may designate an important event with a Flag.

- Some example use cases include:
 - A patient event that influences monitoring
 - A tool used during hand-off between caregivers as a reminder of important events.
 - Physician visits
 - Unanticipated changes or important user specific communication
- Mark the flag before saving the strip.
- A Flagged event report is available for all flagged events



Managing a Patient - Waveforms

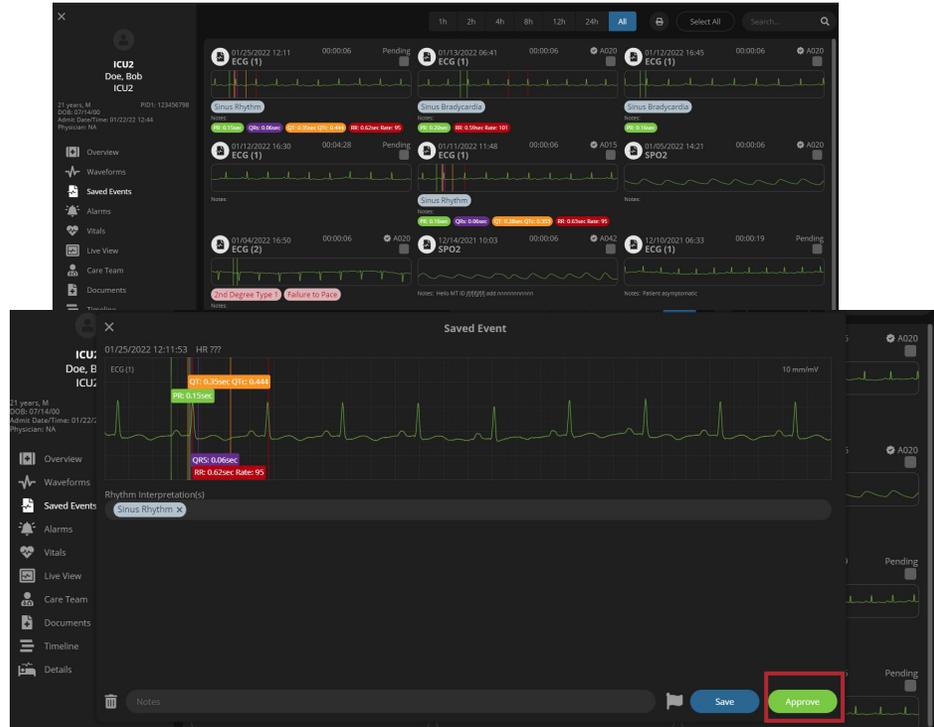
Saved Events – How to Approve

**Typically, RN will approve the Saved Strip created by the Monitor Tech. Caregiver can find the Saved Events in the Saved Events Tab or in the Tasks bar as a Pending Event to Approve.*

1. Click on any patient
2. Click on the **Saved Events** tab.
3. Select any saved event marked Pending
4. Click **Approve**
5. To approve multiple saved events, click **Select All**,
6. Then click **Approve**.
7. Locate a specific Saved Event by using the search box.

EMR Waveform Integration Process

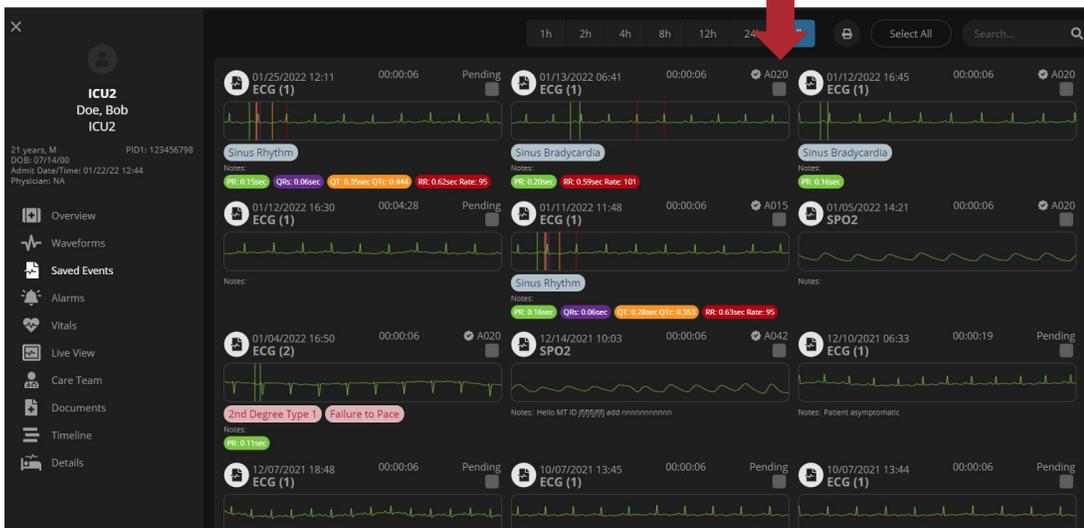
- If EMR Waveform Integration is in place, the document will be saved to a PDF automatically and sent to the EMR.
- A Print button is available if a physical copy of the saved event is needed.



Managing a Patient - Waveforms

Approved Saved Events

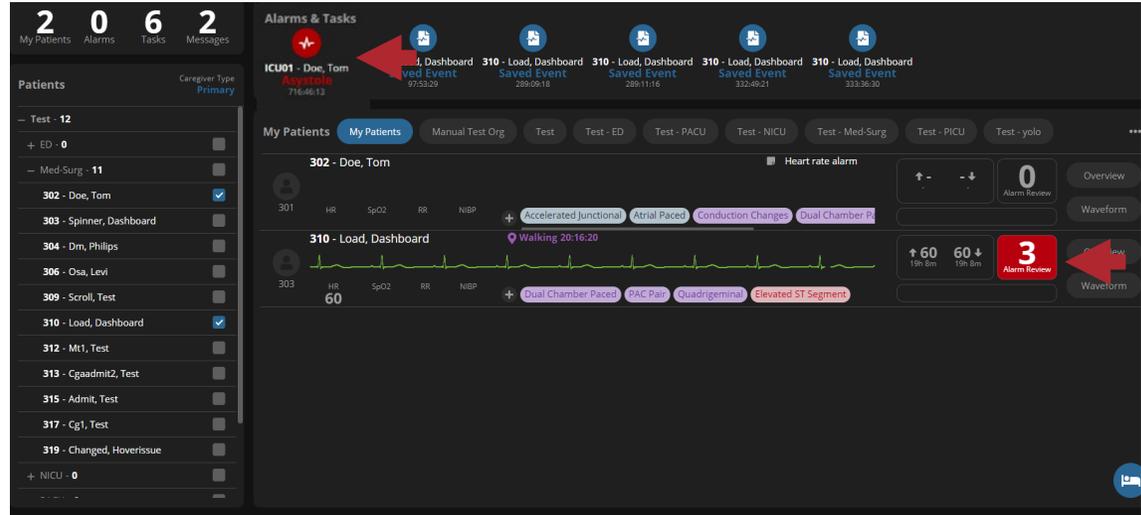
- Saved Events that have been approved will be marked with an approval seal and the username of the approver.
- Notice the Saved Event for Sinus Rhythm has an approval seal in the top right corner of the saved event.



Managing a Patient- Alarm Review

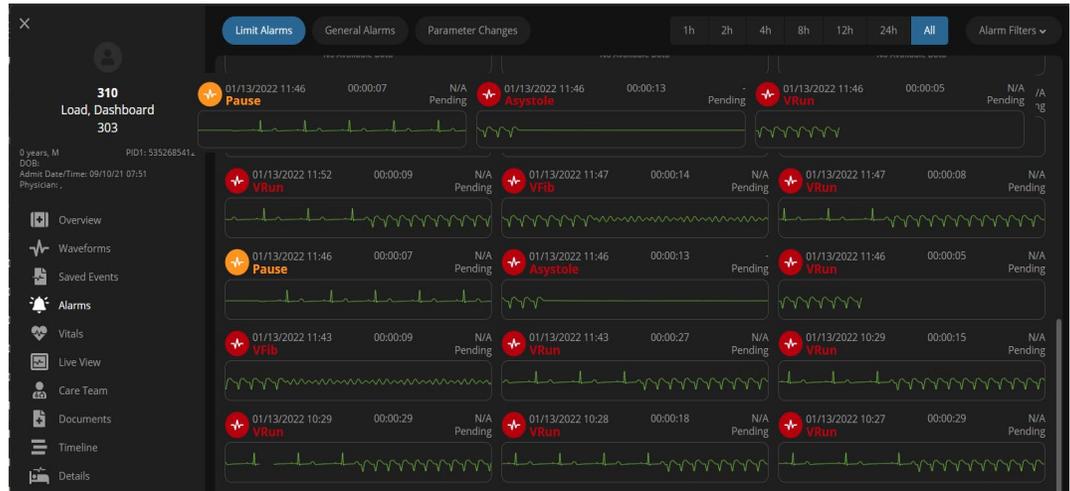
The **Alarms and Tasks** icon collects all the Alarms that require evaluation when Alarm Review is utilized. This helps critical alarms stand out for proper review and documentation.

**Specific alarms are collected based on organizational policy*



Managing a Patient – Alarm Review

1. Select Patient
2. Select Alarms Tab
 - Each individual alarm is displayed for that specific patient.
 - Search functionality to find specific patient alarm.
 - Three Tabs: Limit Alarms, General Alarms, Parameter Changes.
 - Selected Alarm strip can be measured with calipers and saved.



Managing a Patient – Vitals Tab

1. Select Patient
2. Select Vitals Tab

- Chronological view of the patient's automated or manually entered values for HR, Resp, SpO2 and Blood Pressure
- Graph & Trends visual representations
- SpO2 is also displayed as a histogram
- Click the waveform to see the vitals up to every second of data
- View data from a specific period by utilizing the Custom calendar

3. Data Resolution

- Decide the resolution of patient vitals by Beat2Beat™, or 1-minute intervals.
- Beat2Beat™ displays the highest resolution of vital data being generated from the monitoring device.

➤ 4. Waveform Link

- Click “Waveforms” to quickly move to the waveforms tab



Managing a Patient

Timeline Tab

Retrospective view of patient monitoring events. This includes the following icons:



Identify previous calls and quick messages



Cardiac history icon: display of documented rhythm interpretations



Note manually documented for the specific patient



Change to the patient's status (DNR, SpO2, etc.)



Items that were manually red flagged from the Monitor Tech or Caregiver



Allows identification of staff assignments for a specific patient

ICU2
Doe, Bob
ICU2

21 years, M
DOB: 07/14/00
Admit Date/Time: 01/22/22 12:44
Physician: NA
PID1: 123456798

Overview
Waveforms
Saved Events
Alarms
Vitals
Live View
Care Team
Documents
Timeline
Details

Type	Date/Time	Event	User
♥	01/25/2022 12:12:44	Waveform Created	A015
👤	01/21/2022 10:48:46	Unassigned caregiver Michele Long "" from patient.	A037
👤	01/21/2022 10:08:50	Assigned caregiver Michele Long "" to patient.	A037
👤	01/21/2022 08:59:24	Unassigned caregiver Michele Long "" from patient.	A037
👤	01/20/2022 18:06:36	Assigned caregiver Michele Long "" to patient.	A037
👤	01/20/2022 17:57:30	Unassigned caregiver Michele Long "" from patient.	A037
👤	01/20/2022 16:12:01	Assigned caregiver Michele Long "" to patient.	A037
👤	01/20/2022 16:05:32	Unassigned caregiver Michele Long "" from patient.	A037
👤	01/20/2022 12:23:06	Assigned caregiver Michele Long "" to patient.	A037
👤	01/19/2022 12:37:25	Unassigned caregiver Michele Long "" from patient.	A037

Contact Information

Technical Support: 1-800-522-7025 Available 24 hours a day and 7 days a week.

Field Service Engineer: _____

Clinical Education Consultant: _____

Sales Representative: _____