Your Early Warning System
In general care areas of the hospital, vital signs are typically taken during routine observation rounds once every four to eight hours. If a patient deteriorates between these observation rounds the warning signs can go undetected for hours, leading to serious and costly consequences.

Sensium® is a discreet, wearable, wireless system for monitoring vital signs of patients outside of high acuity areas. Sensium® accurately and reliably monitors and reports heart rate, respiration rate and axillary temperature providing data every two minutes. By notifying clinicians of changes in patients’ vital signs, Sensium® brings the nurse to the deteriorating patient.

Early detection of patient deterioration

Working as your early warning system, Sensium® provides affordable real-time monitoring for your patients. You can be confident in the knowledge that Sensium® will notify you of patient deterioration allowing intervention before the condition worsens, thereby improving patient outcomes, shortening hospital stays and lowering treatment costs.
Optimised patient care

We know that nothing can replace the hands on patient care that nursing teams give. Sensium® allows nurses to prioritise patient care where it is needed most, to the sickest patients. Every patient can be reassured that, even when the nurse cannot be with them, Sensium® is monitoring them and will notify the nurse if something is wrong.

Increased patient mobility

Getting patients up and mobile is key to faster recovery times and fewer complications. The Sensium® Patch is lightweight, wireless and comfortable to wear and its unique roaming capabilities mean that patients’ vital signs can be transmitted as they move around. Using Sensium® means you do not have to choose between mobility and monitoring, you can have both.
Patient data when and where it is needed

Sensium® accurately and reliably monitors and transmits patients’ vital signs every 2 minutes. A dashboard summary of vital signs and patient history can be viewed at nursing stations or on other web enabled devices. Crucially, notifications can be configured to work with hospital pager systems or mobile notification devices, giving you data when you need it, where you need it. To save time and ensure accuracy, Sensium® can be easily integrated with the hospital admission, discharge, transfer systems and electronic medical records.
Key Benefits:

For the Clinician

• Real-time, early detection and notification of patient deterioration
• Ability to access information at the nurse station or via other web-enabled devices
• Integrates with existing workflow without customisation

For the Hospital

• Improves patient recovery and reduced length of stay
• Avoids higher cost treatments through early detection
• Quick and easy to integrate into existing systems

For the Patient

• Non-intrusive, lightweight and comfortable to wear
• Provides reassurance of continuous monitoring
• Non-restrictive, allowing freedom of movement
Patch Features
- Vital Signs every 2 minutes:
  - Heart Rate (+/- 2 bpm)
  - Respiration Rate (+/- 2 brpm)
  - Temperature (axilla) (+/- 0.2°C +/- 0.4°F)
- 5 day battery life
- 3 hours data storage when out of system range
- Uses standard ECG electrodes
- Wireless Patch frequency: 915MHz (US) / 868MHz (EU)
- Wireless range: 10m los
- Showerproof (IP54)
- Light weight and comfortable

Bridge Features
- Connection to hospital network:
  - Wi-Fi 802.11 b/g
  - Ethernet
- Connection to Patch via Ultra-low power wireless
- Power supply: Power over Ethernet
- Maximum Patches per Bridge: 16
- Maximum Bridges per network: 600

Link Features
- User interface for hospital clinicians
- Links patient data to Sensium® Patch
- Notifications set up and managed to fit existing workflow
- Up to 360 active Patches

Regulatory Approvals / Clearances:
- FDA 510(k)
- CE Marking
- HIPAA compliant

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