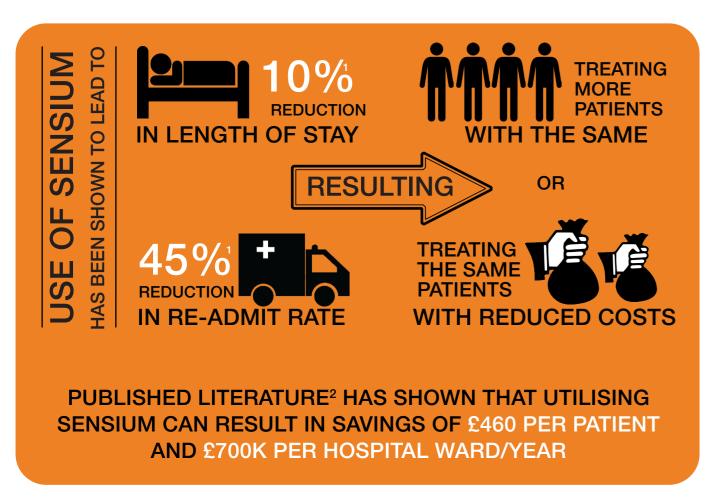




Economic benefits for the hospital



Clinically validated key benefits

16 years of peer reviewed published literature has proven the following clinical benefits in addition to the economic benefits highlighted above:

Patient Comfort³

- Comfortable, lightweight, unobtrusive patch
- Reassurance of continuous monitoring
- Enhanced sense of safety

Earlier intervention

- A case series from five leading European hospitals showed that use of Sensium revealed the first signs of deterioration in conditions such as atrial fibrillation, sepsis and pyrexia, before manual vital observations⁴.
- A further publication found that use of Sensium led to treatment of SEPSIS 6 hours quicker than the standard of care¹



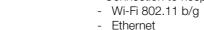
Comprehensive deployment

Patch Features

- Transmits HR, RR & axilla temperature every 2 minutes
- Seamless roaming complete freedom of movement throughout bridged area
- Disposable no cross-infection risk
- 5 day battery life
- 3 hours of data storage
- Light and comfortable for patients
- Uses standard ECG electrodes
- Shower-proof (IP54)

Sensium® Patch

Bridge Features Connection to hospital network:



- Connection to patch via ultra-low power wireless communication protocol
- Longest range connection
- Power supply: Power over Ethernet
- Maximum Patches per Bridge: 16
- Maximum Bridges per network: 250

Sensium® Bridge

Link Features

- User interface for hospital clinicians
- Links patient data to Sensium[®] Patch Notifications managed to fit existing work
- Configure smart notification algorithms
- Reporting data analytic options

EMR Systems via HL7

nurses station

functionality on apps

App & Desktop Features

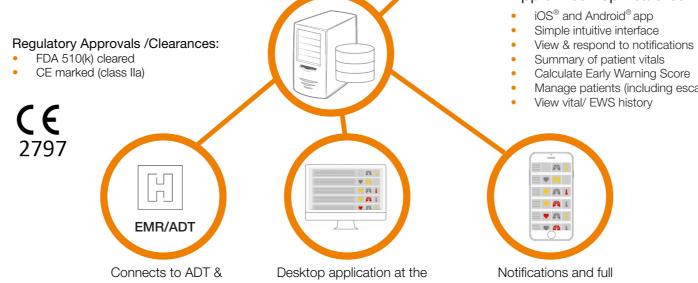
- Manage patients (including escalation)

Improved economic outcomes

Earlier intervention

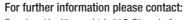
Shown to lead to savings of £460 per patient²

Shown to lead to treatment of sepsis 6 hours quicker¹



Sensium® Link

(Server Software)



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Sensium® is a registered trade mark of Sensium Healthcare Ltd. Sensium Healthcare Ltd. is part of the group 'The Surgical Company

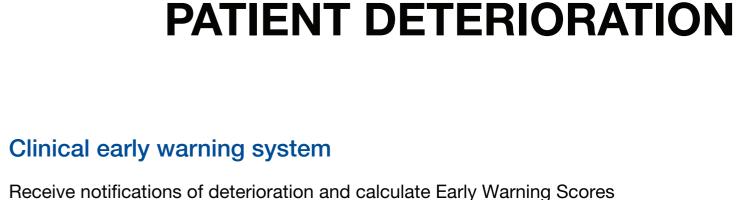


Journal of Medical Informatics; 2018 114:52-56
4. Posthuma L, Downey, Cytsscher M, Ghazali D, Joshi M, Ashrafian H et al. Remote wireless vital signs monitoring on the ward for early detectiseries. International Journal of Nursing Studies. 2020; 104:103515.









EARLY DETECTION OF



Clinical early warning system

If a patient deteriorates between routine nurse observation rounds, the warning signs can go undetected for hours, leading to serious and costly consequences.

Sensium® is a discreet, wearable, wireless system to support nursing staff to monitor patient vital signs outside of high acuity areas. The disposable Sensium® patch accurately and reliably monitors and reports heart rate, respiration rate and axillary temperature, the leading indicators of deterioration, providing data every two minutes. Smart algorithms continuously process and analyse all patient data, generating targeted notifications of patient deterioration, efficiently bringing the nurse to the deteriorating patient.



"The fact that I know that this patch is monitoring me day and night makes me feel safe and secure. Even when a nurse isn't with me I know that if I start to become unwell one will be notified."

Sensium patient

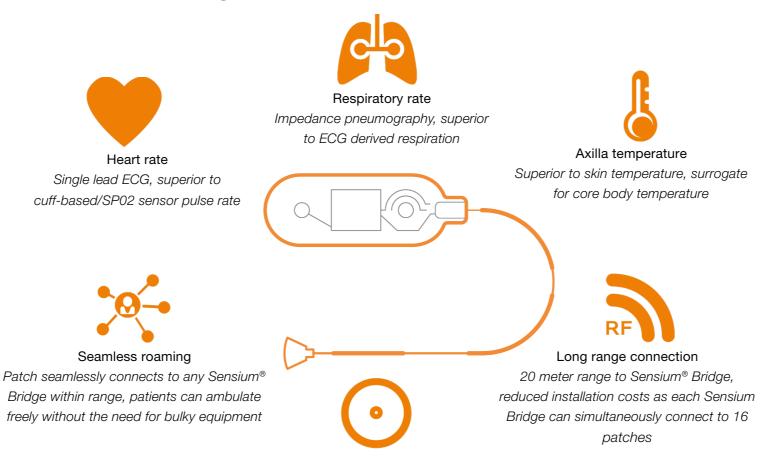
Compliance with NICE Guidance

The use of the **Sensium**® system supports your hospitals compliance with CG50 'Recognition of and response to acute illness in adults in hospital'

Sensium® allows the continuous monitoring of patients who meet high risk criteria as defined by NG51 'Sepsis: recognition, diagnosis and early management'.



Gold standard vital sign measurement



Replaceable standard electrodes

Maintain signal quality over 5 day battery life, remove and replace the same patch with new electrodes if required

Treat SEPSIS quicker

Early detection of sepsis is critical. Research¹ has shown that patients presenting evidence of sepsis and receiving continuous monitoring with the Sensium® Patch were administered antibiotics on average six hours faster than the standard of care.

"SENSIUM"'s recent trial has demonstrated the potential of such early warning systems, with patients in the Sensium® group being treated on average 6 hours quicker in the presence of sepsis. Anything that can be done to more quickly identify and treat sepsis has to be a good thing and will lead to lives saved."

Dr Ron Daniels, BEM

CEO of the UK Sepsis Trust and Global Sepsis Alliance Clinical advisory to the World Health Organization



Notifications of patient deterioration, patient vital history and current vital signs can be viewed at nursing stations or on the move using the Sensium® mobile app. If required, patients can be manually or automatically escalated for review by senior clinicians.

Sensium® uses industry standard HL7 protocols to easily integrate with the hospital admission, discharge & transfer systems and electronic medical records.





Sensium®

Simon ward G1

Cope, Beatrix Jane Much Longer Na

Calculate Early Warning Scores

Sensium®'s E-Obs package allows the ability to enter additional patient data, in conjunction with pre-populated heart rate, respiratory rate and temperature values from the Sensium® patch in order to calculate an Early Warning Score (EWS) e.g. NEWS2 and clinical response

The time until the next observation round is due is clearly displayed. The Sensium EWS and clinical responses are configurable to match your observation policy.

Configuration of the Sensium® EWS supports NEWS2 and the 'Think Sepsis' campaign.







