

Alarm Management

Powered by  DNV Imatis



Silence the noise, empower your staff and ensure patient safety

Challenge:

In the unique setting of a hospital, the workload is substantial, time is limited and the distance between wards is considerable. This environment not only induces stress, but it also increases the risk of human error. Nurses overwhelmed by noise may miss truly critical alarms; desensitisation to alarms can slow response times to emergencies; false alarms trigger unnecessary interventions; and excessive noise from alarms disrupts patient sleep and recovery.

Solution:

Alarm Management is a revolutionary system designed to tackle alarm fatigue and ensure patient safety. It prioritises critical alerts, filters out false alarms and provides clear visual cues. Nurses can access alarms from their mobile devices, improving response times and reducing stress. This translates to better patient safety, a calmer environment and more focused staff. Alarms are prioritised based on severity, ensuring nurses address critical issues first.

Potential benefits:



Prioritises care and improves patient safety



Reduces distractions, freeing up nurses to focus on patients



Minimises staff stress and reduces burnout



Boosts efficiency by saving valuable time and resources



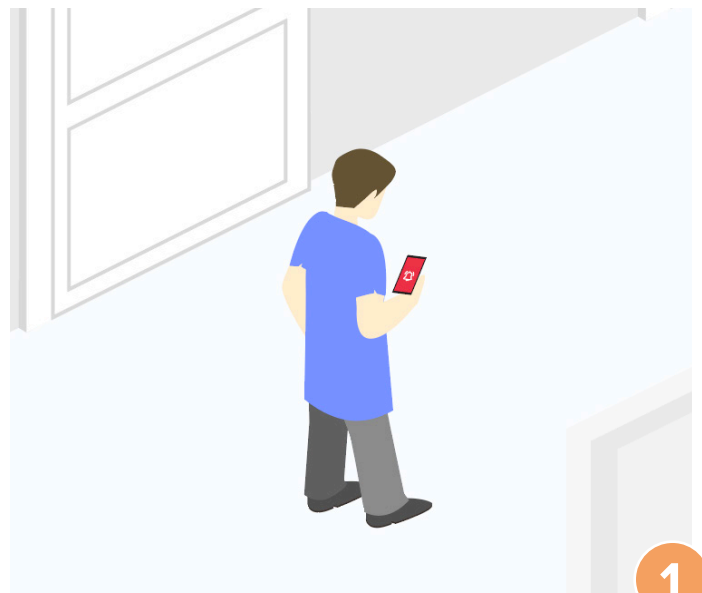
Creates a calmer environment for patients to recover



Identifies root causes of frequent alarms for targeted solutions



Empowers staff to respond quickly and effectively



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How it works:

- Alarm Management prioritises alarms based on severity, ensuring nurses address life-threatening situations first
- The system filters out false alarms and low-priority alerts, minimising distractions and preventing staff from being overwhelmed
- Easy-to-understand on-screen indicators highlight the location and nature of the alarm, facilitating faster responses
- Nurses can access and respond to alarms directly on their mobile devices, regardless of their location within the hospital
- The system can integrate with patient data, providing nurses with contextual information relevant to the specific alarm
- Alarm thresholds and filtering rules can be customised to meet the specific needs of each department and equipment type
- Detailed logs track alarm history and staff response times, allowing for continuous improvement and performance evaluation

Success story:

In 2023, the digital estates focus for the Royal Cornwall Hospitals NHS Trust (RCHT) was on creating a digital infrastructure to support **'smart hospital' technologies**. Starting with a research pilot project to trial the concept of a **'silent ward'** to deliver non-audible patient call alerts to mobile devices carried by staff, the ambition was to offer a quieter, safer and more therapeutic environment for patients.

The 'silent ward' project is already offering substantial benefits, fostering a quieter and more serene environment which is conducive to patient recovery and wellbeing. The positive early feedback from both staff and patients suggests a **promising future for the initiative**, potentially serving as a model for other wards and hospitals aiming to **enhance patient care** through technological innovation.

This is just the first step in the Trust's longer-term plan to deliver a digital estates strategy to support the construction of a new Women and Children's Hospital by 2028, in partnership with the national New Hospital Programme (NHP).

“ Working with suppliers like Wandsworth Healthcare – who share the Royal Cornwall Hospitals NHS Trust's (RCHT) vision of an integrated digital future, as well as our mission to improve the patient, staff and visitor experience – has been a vital component of the gradual digitalisation of the estate. Wandsworth Healthcare is a trusted, key supplier to RCHT and, with Wandsworth's own continuous development in digital technology and hospital call systems, it was clear from the start that they would play a critical role in this new and exciting pilot project, alongside DNV Imatis and T Clarke. ”

Roberta Fuller, Programme Director for the new Women and Children's Hospital at RCHT

Ready to learn more?

Wandsworth Healthcare has collaborated with DNV Imatis, a leading Scandinavian digital healthcare solutions provider, to help NHS trusts enhance the digital patient journey and deliver more efficient, patient-centred and data-driven healthcare.

Contact us today to find out how we can help you unlock more capacity to care and enhance the digital journey of your patients.

Call **01483 713400**

Email **digital@wandsworthhealthcare.com**

Visit www.wandsworthhealthcare.com/digital-patient-journey/ to find out about the other core solutions we are offering as part of our collaboration with DNV Imatis, including task management for support services, electronic bed capacity management and patient engagement.



Find out more


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