

University Hospital Southampton NHS Foundation Trust chooses iMDsoft for electronic observations and high acuity patient data management

ABOUT UNIVERSITY HOSPITAL SOUTHAMPTON NHS FOUNDATION TRUST

UHS provides specialist services such as neurosciences, cardiac services and children's intensive care to more than 3 million people in central southern England and the Channel Islands. It is a major centre for teaching and research in association with the University of Southampton.

THE NEED

The Trust sought an electronic observation system to further improve patient safety in the hospital and reduce mortality numbers following the procurement and implementation of an Electronic Patient Acuity Monitoring System (ePAMS). Goals include reduction of delayed, missed and inappropriate escalations; more effective observations; more accurate MEWS calculations; and increased ability to locate and stop deterioration for the sickest patients within the organisation. The Trust received an allocation of funds via the second round of the nursing technology initiative early in 2015 for procurement of the solution.

THE SOLUTION

The Trust is now in the process of implementing MetaVision SafeTrack™ across all 1237 of its general ward Level 1 beds. Using mobile devices across 57 wards, 3,000 nurses and midwives will replace paper with MetaVision SafeTrack to capture observations. Automated Modified Early Warning Score calculations and escalations will notify the relevant clinical team to the need for intervention. The system will support the specific MEWS of the various hospital departments and can be adjusted for individual scores per patient. Smart alerts and nursing assessments for conditions such as sepsis, AKI and VTE will help identify possible patient deterioration.

The choice of MetaVision SafeTrack follows the hospital's selection of the MetaVision® Patient Data Management System for their high acuity environments in November 2014. UHS is now implementing the solution across 100 anaesthesia and intensive care beds. The system is already live in the Surgical High Dependency unit and the Cardiac ICU, with the OR, GICU, Neuro ICU, PICU and NICU to follow shortly.

AT A GLANCE

About UHS

- Services > 3 million people
- Major centre for teaching and research

Need

- More effective escalations & observations
- More accurate MEWS calculations
- Faster intervention for deteriorating patients

Solution

MetaVision SafeTrack & MetaVision PDMS

Anticipated benefits

- Better patient care & outcomes
- Reduced costs
- Data continuity

ANTICIPATED BENEFITS

Better patient care and outcomes

UHS anticipates that the implementation of MetaVision SafeTrack will help them meet their goals of improving patient safety, patient experience and the prioritisation of care to the sickest patients. For example, automated alerting for episodes of diarrhoea and vomiting will provide potential outbreak alerts to the Infection Prevention Team, enabling them to be proactive rather than reactive. Earlier recognition of AKI onset and other conditions such as diabetes, heart failure and chronic obstructive respiratory disease will prevent patients from deteriorating.

Reduced costs

Early detection of conditions such as AKI, diabetes and heart failure will significantly shorten length of stay and free up beds/bays. Additionally, the Trust expects to reduce the financial burden of printing paper records and of unplanned transfers to the ITU. MetaVision SafeTrack will remove the need for expensive nursing time to conduct audits which provide data on a retrospective basis. The solution will generate automatic reports, enabling the identification of hotspot ward areas for targeted training.

Data continuity across the Trust

The clinical team will have a single platform for patient data for their ICU and OR, and for information collected throughout the hospital. Staff in every department will have full access to all the information in the patient file.



MetaVision SafeTrack will track the early warning score, giving us much better visibility of patient deterioration than in the past, and enabling a quicker and more appropriate response. Having vital sign data on the same platform as the critical care data is compelling for us, and will facilitate simple transition of patients across different levels of acuity.

Adrian Byrne

Director of Information Management & Technology



ABOUT IMDSOFT

iMDsoft is a leading provider of Clinical Information Systems for critical, perioperative, and acute care environments. The company's flagship family of solutions, the MetaVision Suite, generates comprehensive and accurate electronic medical records, and offers advanced decision support and medication management. Hospitals worldwide use MetaVision to improve care quality and enhance financial results. The system promotes compliance with protocols and best practices, streamlines reporting and supports clinical research.

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