

# EuroKing

MTW partners with EuroKing to deploy latest generation maternity solution

## Introduction

The maternity service at Maidstone and Tunbridge Wells NHS Trust (MTW) wanted to deploy a highly integrated maternity solution to improve value and to enhance women's experience. Following a competitive tender process, MTW selected EuroKing as its successful partner.

The trust project team worked with EuroKing to deploy the new maternity solution, which was closely integrated with other key hospital systems, to reduce the administrative burden and risk associated with duplication of data entry. The increased efficiency would release more time for clinical care, in both community and hospital settings.



EuroKing is working with the RCM to inform the development of information and technology solutions to aid midwives to deliver care throughout pregnancy and birth, to improve safety and choice.



Proud to be supporting Baby Lifeline, EuroKing's chosen charity partner.

## Background

Having identified a requirement for a fully integrated solution to work across the maternity timeline, the trust developed a procurement tender to scope out the best possible solution and reviewed a number of options. Updating the maternity system was identified as an opportunity to meet the present requirements of the service and to provide scope to continue to develop as information technology evolves and processes within health services adapt to the developments.

The procurement process involved assessment of the tenders by trust stakeholders from information analysts to clinicians. The team wanted to ensure robust maternity process review and redesign, in order to identify best clinical practice and efficiencies.

## Robust preparation and testing

Six months preparation for the implementation of the new system presented the opportunity to review existing processes through workshops and engagement with clinicians and other stakeholders. The change team produced process maps, designed new workflows and worked with EuroKing to refine the question sets to suit local requirements.

There was a robust testing programme to ensure the system and the interfaces functioned as expected.

The team delivered regular communications to stakeholders to encourage engagement, ensure that their needs were met where possible, and to prepare them for the impact of the change.

## Targeted training sessions

EuroKing delivered training to over 300 members of clinical and administrative staff during six weeks around the implementation date. The training sessions were adapted to provide a different emphasis to suit the target group. The initial training was followed by regular sessions for new staff. A new online training package has been developed to fulfill ongoing training needs.

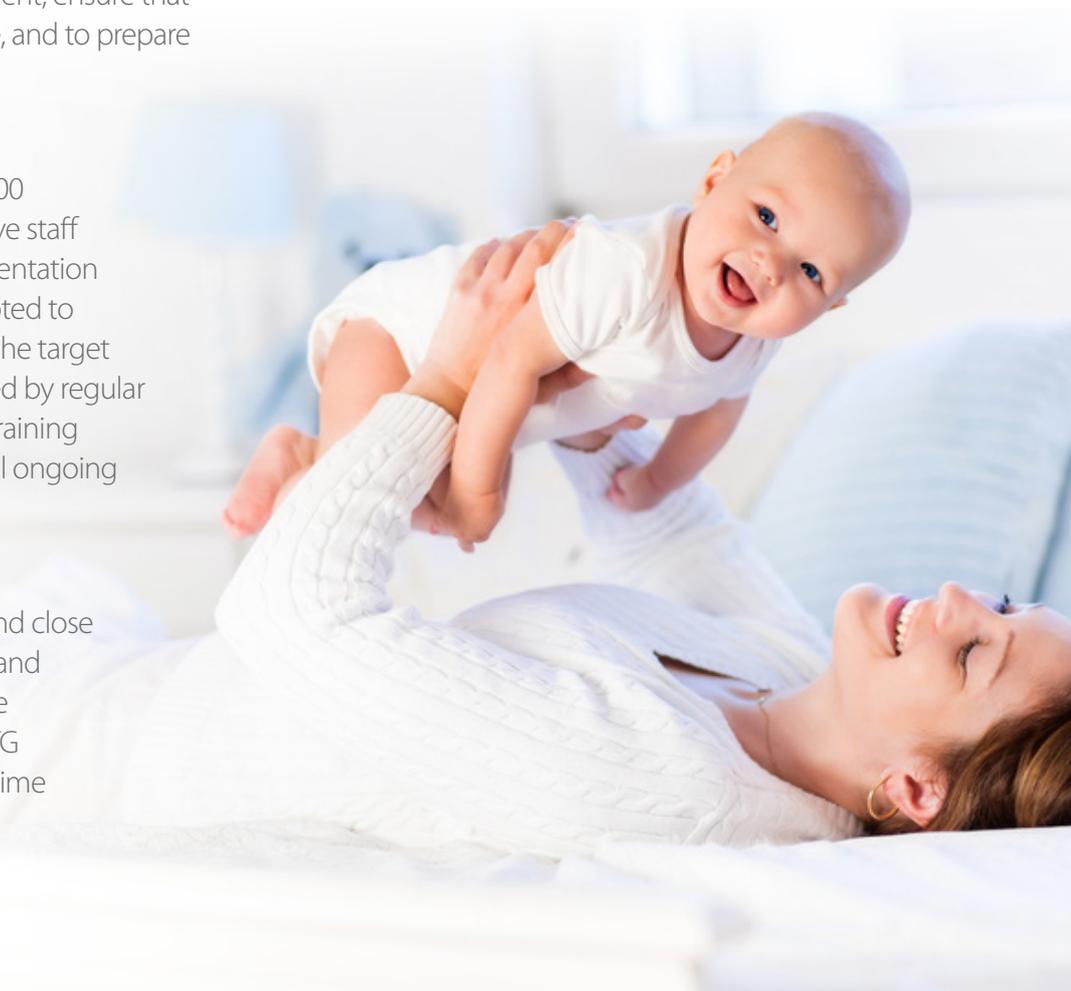
## On time and budget

As a result of the detailed planning and close collaboration between staff at MTW and EuroKing, implementation of the core maternity solution and integrated CTG system ran smoothly, meeting both time and budget requirements.

## Innovative functionality – significant benefits

A range of new technology is being accessed by the department, including EuroKing's Community Offline mobile solution, which will enable midwives to update patient records in the community, even when disconnected from the trust network. Being fully integrated with the core maternity solution, Community Offline enables the creation and management of a single electronic patient record, which reduces duplication of effort, cuts down on paper, and limits the requirement to return to base. This is intended to improve efficiency, to enable midwives to spend more time with mothers and babies. Records are complete, comprehensive and always up to date, facilitating effective and timely clinical decision-making.

With the ever-changing face of clinical information technology, the fundamental idea of swift, easy data capture always remains at the forefront. There is a balance to be made between rich, comprehensive data against minimal required input. EuroKing's emphasis has always been on providing the best, most effective usability for the clinician alongside the ever-increasing demand for data for reporting purposes. The priority always remains with the patient, improving experience and ultimately safe outcomes.



## Enhanced features

**Badgernet** integration enables specific data, including demographics, to be sent directly from EuroKing to the Badgernet neonatal system, which is populated with baby's birth details and some maternal history. This is of great benefit to neonatal clinicians, providing crucial data to enable more timely clinical decisions and faster treatment of the newborn.

**Anesthetic module** allows the obstetric anesthetist to record data directly in the maternity record. Information such as obstetric anaesthesia and analgesia assessments, procedures and follow-ups can be entered. This module also supports the data required for NOAD reporting.

**Viewpoint data** recorded during antenatal scanning, including an accurate assessment of the mother's due date is recorded in EuroKing as a pdf attachment.

**Electronic CTG** is fully integrated with EuroKing, enabling a comprehensive record of the CTG to be imported into the maternity solution, to maintain a single record in one place. This is digitally archived - which is very important - to preserve an accurate reference should the requirement arise to retrieve a record at a later date for audit or litigation.

## Key outcomes

MTW now benefits from a single system to support hospital and community maternity care. This provides consistency in record keeping, prompts appropriate clinical care and provides access to guidelines when required. Outcomes include:

- Single data entry - Information is shared across disparate clinical systems reducing the requirement to input information once only. Data is forwarded to the relevant fields within related systems, such as neonatal and ultrasound, to avoid the need for duplication of entry thus saving time and mitigating the risk of human error.
- Financial savings - The trust business case anticipates potential savings in time and fuel costs, by reducing the requirement for midwives to return to base, as a result of the adoption of EuroKing's Community Offline solution. This could generate annual savings and further savings could result from more efficient working practices, specifically a reduction in administration effort and data duplication, including the provision of electronic referrals.

## *Susan Powley, Maternity IT & Projects Lead and Supervisor of Midwives, says:*

*"The trust now benefits from the latest generation maternity solution. The solution joins up a range of key maternity requirements, covering a range of settings. From the Community Offline solution - allowing midwives to take tablets out in the community - to fast track baby registration in the case of transfer to the Neonatal Unit; integration with the other trust IT solutions, full Payment by Results data entry and reporting; Maternity Service Dataset input and extraction."*

- Fully compliant for PbR - Enabling compliance with local and national targets and reporting activities. The system provides accurate data for local audit projects, monitoring of services and to determine payment tariffs.
- Fully Compliant with MSDS - EuroKing collects and automatically collates all relevant data which is required by the maternity data set enabling easy reporting and accurate, timely submissions of required statistics.
- Full audit trail - The ability to provide an audit trail of all activity within a patient encounter, including CTG and any deleted data, is a valuable resource. A fully electronic maternity record also assists the trust in working towards the government's target of a paperless environment by 2020.



## MTW achieves its vision

This procurement has secured a system that has the ability to collect and input data, to manage the data, to analyse, to integrate data across disparate systems and to generate data for local and national requirements.

The department's vision was to capture ALL information electronically, supporting the single data entry idea and emphasis was put on ensuring the trust was receiving the correct remuneration by way of Payment by Results. The EuroKing solution has enabled MTW to achieve its vision, enabling electronic maternity records to be completed by all clinicians in any environment throughout the whole continuum of a woman's pregnancy.

## EuroKing's Alliance with the RCM

EuroKing, with the RCM's support as an Alliance partner, will develop information technology solutions to aid midwives to deliver care throughout pregnancy and birth, to improve safety and choice.



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