



CASE STUDY: CSC AND FDB

Deliver an e-prescribing and patient management system to Derby Hospitals NHS Foundation Trust.

Recognised by the Department of Health as a high performing Trust (Care Quality Commission ratings 2009 – excellent for use of resources and excellent for quality of services), the Derby Hospitals NHS Foundation Trust has a solid reputation across the UK.

The Trust provides a wide range of services including general medical, surgical and maternity through to rehabilitation care and accident and emergency to a population of more than 600,000 in and around southern Derbyshire.

The Trust took the decision in 2008 to enhance its existing clinical management system CSC's (formerly iSOFT) i.Clinical Manager (i.CM) to enable it to deliver a complete electronic prescribing and medicines administration (ePMA) service. First Databank (FDBTM) and CSC partnered to create and develop a tool that would integrate fully and easily with the existing system and would provide more comprehensive, safe and accurate services to patients.

FDB and CSC's solution

CSC's development team worked closely with the Trust to develop baseline improvements to the prescribing functionality within their existing i.CM system, resulting in a release that facilitated the implementation of the ePMA at Royal Derby hospital. This collaborative approach offered several advantages to the Trust, including:

- Clinical staff, already familiar with the system, found it easy to use the additional tool, maximising efficiency and eliminating extensive training requirements, and
- By retaining the existing clinical management system, all existing pathology results and other data were saved and removed the need for any migration of data to a new system.

Working with CSC's development team FDB provided their clinical decision support and drug knowledge functionality, featured in FDB's Multilex drug knowledge base. The enhanced i.CM system was linked to Royal Derby's in-house drug catalogue providing tailored information to staff accessing the system.

Real benefits recognised

Royal Derby were able to benefit from FDB's drug knowledge and clinical decision support. The staff at the Trust were able to double-check clinical decisions for;

- Allergies
- Dose ranges
- Drug doubling/duplicate therapy, and
- Drug - drug interactions.



The impact of the enhanced system delivered by FDB and CSC has already demonstrated some noteworthy benefits to the Trust, including:

- Improved and more comprehensive clinical decision support available to staff at the Trust
- Safer and more accurate prescribing – fewer dispensing/prescribing errors.
- Significant reduction in the time taken and error rates reported relating to transcribing errors by eliminating paper transcribing.
- Improved communication across the hospital departments, wards and pharmacy staff.
- Substantial time savings and improved accuracy in electronic prescribing information being transferred directly to the pharmacy to check and process.

“A key benefit is the ability to rationalise costs and encourage better use of resources, as prescribing information is now more easily evaluated, allowing the trust to assess the costs of prescribed drugs against their effectiveness for individual patients,”

says Duane McLean, Clinical Effectiveness and ePMA Pharmacist at Derby Hospitals NHS Foundation Trust.

“This is particularly important in these resource constrained times and allows analysis of prescribing information, enabling the trust to account for every penny spent on medication, in line with budgets and targets, and combined prescribing details with patient parameter details and costs also allows the measurement of effects and changes.”

Delivering enhanced solutions for clinicians

The collaborative approach provided by FDB and CSC has generated an enhanced system for Royal Derby Hospital.

The combination of FDB’s ability to transform drug data into the knowledge that will support staff in clinical settings, and CSC’s technological proficiency and integrated system design capability has resulted in a first-class ePMA system that delivers tangible results.

This long-term partnership has fuelled innovation and the development of an enhanced system delivering key support and information to staff working across the Trust, when and where they need it.

**For more information,
contact us today
at 01392 440 100.
Or, visit fdbhealth.co.uk**

First Databank (FDB), a subsidiary of Hearst Corporation, is the UK’s leading provider of drug knowledge bases and active clinical decision support.

As the company that helped to launch the medication decision support industry, we offer more than three decades of experience in helping transform drug knowledge into actionable, targeted and effective solutions geared to improving patient care, patient safety and outcomes.



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NICE has accredited the process used by First Databank to develop content used in Multilex drug knowledge. More information on accreditation can be found at www.nice.org.uk/accreditation. Accreditation evaluates only the processes used to develop content and excludes recommendations displayed by decision support systems in specific clinical settings as these are dependent on technical algorithms which are outside of the scope of NICE accreditation. Accreditation can be used to inform compliance with ISB 0129 – Clinical Safety Risk Management System – Manufacture of Health Software and ISB 0160 – Clinical Safety Risk Management System – Deployment and Use of Health Software, but cannot be used in isolation to release any product for clinical use.