



system C
connected care



medway_
EPMA

Medway Electronic Prescribing and
Medicines Administration (EPMA) system



Medway Electronic Prescribing and Medicines Administration (EPMA) system

The rationale for Electronic Prescribing and Medicines Administration is straightforward: it removes the danger of incomplete, ambiguous and illegible handwritten prescriptions and provides full, clear instructions to the nurse who is administering medication to the patient.

If you are replacing a paper based system with EPMA or even considering changing your existing system, you will be looking for well designed screens, smooth workflows and an intuitive user experience. That is where Medway EPMA can help - our EPMA solution extensively incorporates Microsoft's Common User Interface guidance and includes decision support provided by First DataBank's Multilex clinical information database. So not only does it create clear, complete prescriptions, it can help your clinicians make the right decisions about your patients' treatment.

Key Benefits

- Clear, complete and unambiguous prescriptions and administration instructions
- Decision support provided by First DataBank's Multilex clinical information database
- Extensive use of Microsoft's Common User Interface guidance
- Intuitive and attractive user interface
- Local formulary and prescribing protocol support



Before you begin

Medway EPMA has a number of features designed to ensure that users can find their patients quickly and prescribe safely.

Throughout the Medway suite of hospital and clinical software, users are alerted to patients with similar names when selecting from ward, consultant or speciality patient lists. Lists can also be used to highlight which patients have outstanding actions.

For example:

- A prescription requiring a clinical check from the pharmacist
- A prescription which has reached its review date
- Discharge medication waiting to be ordered
- Allergy status not entered
- Venous thromboembolism (VTE) risk assessment not completed

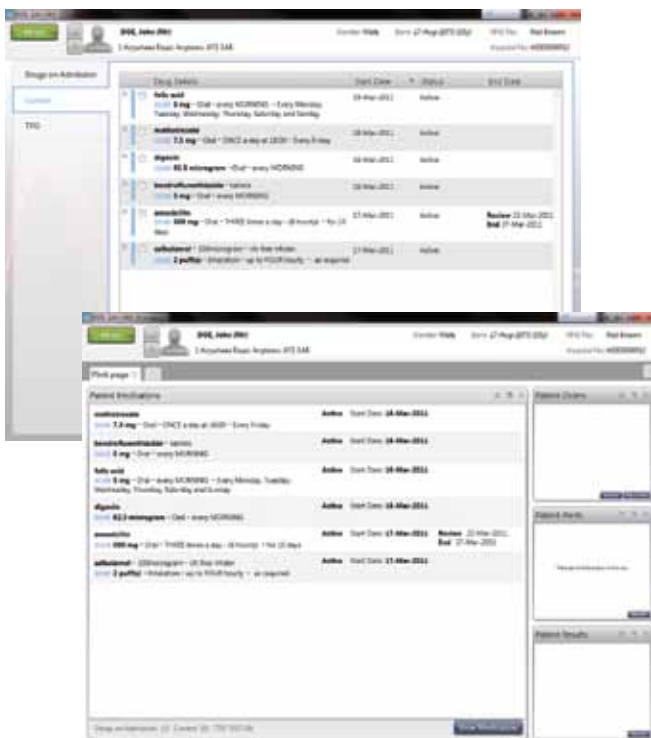
It is important to record your patient's allergy status before prescribing starts and Medway EPMA ensures you do just that. Once allergy information has been entered, decision support alerts prescribers if they select a drug that the patient is allergic to, or a related drug.

Immobility is also an important issue for patients in an acute hospital and ensuring proper VTE prophylaxis is prescribed can prevent significant morbidity and even save lives. Again, Medway EPMA can help your organisation meet these goals by prompting prescribers to complete risk assessments for VTE and prescribe appropriately from the local formulary. Recording these actions electronically means your organisation can easily audit them to provide evidence of the quality of care you are providing.

An Intuitive Prescribing Experience

The clinician-designed interface of Medway EPMA allows prescribers to provide just enough detail to create a safe prescription, without requiring extra detail that is not clinically relevant. Even quicker - any number of commonly prescribed doses or drug combinations can be made available for prescribers, meaning most prescriptions can be completed in just a couple of clicks.

Prescribers will find simple controls allowing basic and more complex regimens to be created and maintained. Prescribers will also benefit from built-in decision support from First DataBank and links to local guidance at their fingertips.



A Safer Prescribing Experience

System C has extensively incorporated Microsoft's Common User Interface (MS CUI) guidance in to Medway EPMA. MS CUI guidance has been developed from primary and secondary research and usability testing specifically to improve patient safety in relation to clinical systems. Using MS CUI guidance you can maximise the primary safety benefit of EPMA - clear, complete and unambiguous prescriptions and administration instructions.

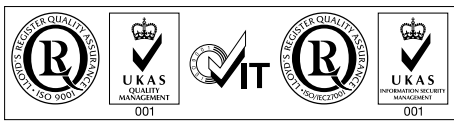
In addition to this, prescribers are given comprehensive clinical decision support. This includes drug-drug interactions, National Patient Safety Agency (NPSA) alert information and making checks against pathology results part of the prescribing and administration process. Full prescribing guidance can be accessed either through the First DataBank Multilex drugs knowledge base or locally created content referenced within Medway. With Medway EPMA it is also possible to locally tailor decision support warnings to ensure they are relevant to your practice and avoid alert fatigue.

Features and benefits:

- Reducing risk by avoiding illegible, incomplete or ambiguous prescriptions
- Improved formulary control
- Decision support at the point of prescribing (e.g. interactions, allergies)
- Support for pharmacist checking, authorisation and messaging to pharmacy systems for receipt of dispensing/stock control
- Easy auditing of prescribing and administration practice



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