

Chesterfield Royal Hospital

Automation leads to a reduction in medication errors across four crucial hospital domains.

Challenge

To implement automation for enhanced controlled drug management, advanced ward medicine procedures, optimised medication practices, and alignment with the 2016 Lord Carter report.

Solution

XT Automated Dispensing cabinet™ technology across 4 key areas of the hospital and integrated ward-based automation with EPMA.

Patient safety

- ✓ Reduced picking errors
- ✓ Full traceability of medication at patient level
- ✓ Reduced missed doses
- ✓ Expiry warnings

Savings

- ✓ Reduced time spent accessing, recording, and reconciling controlled drugs
- ✓ Elimination of top-up visits
- ✓ Reduced part pack waste
- ✓ Automated ordering without manual touch



Outcomes



1 hour

Pharmacy time saved per top-up



15 min

Nursing time saved on controlled drugs transactions



1 min

Nursing time saved accessing/selecting medication

“ This is a significantly better and safer way of dealing with ward medicines. The risk to patient safety is lower as we have reduced our dependence on manual processes. It provides a safety net, reduces the risk of products being wrongly selected and near misses. Integrating the ward-based systems with EPMA only strengthens that level of security. It helps us in our drive to ensure that patients receive the right medicines at the right time.”

MARTIN SHEPHERD, HEAD OF MEDICINES MANAGEMENT, CHESTERFIELD ROYAL HOSPITAL NHS FOUNDATION TRUST

THANK YOU

To the team at Chesterfield Royal Hospital NHS Foundation Trust and all the individuals who have helped make this project a success.

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