St Helens and Knowsley Teaching Hospitals NHS Trust – Whiston Hospital A&E Case Study

Omnicell cabinets were installed in A&E at Whiston Hospital. Prior to implementation, research was carried out to show the current A&E top-up and restock processes and highlight key issues for patients, nursing staff and the department as a whole.

Pharmacy staff time

Ward Stock Top-Up

Average time taken for manual ward stock top-up by pharmacy ATO

PRE-OMNICELL 37 minutes 30 seconds

POST-OMNICELL
4 minutes 7 seconds
(average time taken to generate top-up list)

- **89% decrease** in average time taken compared to manual ward stock top-up

- **99% decrease** in pharmacy ATO time spent on ward stock ordering once there is full integration. (Currently ward stock top-up list is auto-generated by Omnicell but still requires manual input into JAC)

- **72% decrease** in average time taken to order per line vs manual top-up

Ward Stock Restock

Average time taken for manual ward restock by pharmacy ATO

PRE-OMNICELL 25 minutes 4 seconds

POST-OMNICELL
4 minutes 8 seconds
(average time taken for ward restock)

- **83% decrease** in average time taken compared to manual ward restock

- **98% decrease** in time taken to gain access to cabinet (Change from key accessed cupboards to biometric fingerprint scan access with Omnicell)

- **15% decrease** in average time taken to restock per line

Total Time Spent On Ward Stock Top-Up and Restock (per week)

There are now daily top ups on weekdays in A&E, compared to 2-3 times per week pre-Omnicell. Average total time taken on ward stock top-up and restock by pharmacy ATO

PRE-OMNICELL *(based on 3 times per week)* 3 hours 8 minutes

POST-OMNICELL
41 minutes *(based on 5 times per week)*
78% decrease in average total time taken per week

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