Chelsea & Westminster Hospital NHS Foundation Trust now live with ICNet Pharmacy

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Chelsea and Westminster Hospital NHS Foundation Trust is now live with **ICNet** Pharmacy, the innovative web based solution which provides comprehensive pharmacy surveillance technology designed to target improvements in antimicrobial stewardship.

Chelsea and Westminster Hospital NHS Foundation Trust delivers a range of specialist clinical services as well as general hospital services across two main hospital sites plus a range of community based services across London. The Trust has been using **ICNet** Infection Prevention since December 2015 to address the challenges of Healthcare Associated Infections and has now extended the system to include the implementation of **ICNet** Pharmacy.

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ICNet Pharmacy looks beyond the prescribing episode to monitor patients after prescribing and administration of medicines through combining data from the Trust's ePrescribing solution with the Laboratory information management system, thereby helping clinicians to improve the time to intervention. **ICNet** Pharmacy supports the "Start Smart then Focus" initiative from the Department of Health and helps to enhance antimicrobial stewardship efforts by encouraging post

prescribing and administration interventions that facilitate optimal use of antimicrobials. The system will support the Trust in its contribution to achieving the aims of the UK 5-year Antimicrobial Resistance Strategy 2013 to 2018.

More efficient pharmacy operations are encouraged through a targeted approach enabling pharmacy staff to quickly identify and intervene in critical issues, for example by alerting lab results and changes in blood chemistry due to medications. Complex data mining and reporting capabilities encourage analysis of captured data while significantly reducing the time spent on data analysis and mandatory report production by manual processes.

Lead Antimicrobial Pharmacist at the Trust, Stephen Hughes said:
"The software has helped the antimicrobial team target more complex cases within the trust. We can quickly see areas of sub-optimal antimicrobial practice and provide real-time feedback to the clinical team and directly impact on patient outcomes. The system allows us to quickly identify the deteriorating patient through bespoke triggers based on microbiology results and / or blood test results and respond in a timely fashion to escalate therapy as appropriate.

Secondly, the system allows us to monitor all live prescribing for appropriateness in line with the local antimicrobial stewardship. Restricted antibiotics can be followed up by the team each day against the diagnosis and available microbiology. Inappropriate usage can thus be challenged with the ward team prospectively to reduce our broad spectrum antibiotic usage.

Finally, the system allows the team to record and track interventions made and analyse the results of such interventions by linking them to outcomes. This system is being rolled out to our microbiology colleagues to allow for virtual reviews of wards and clear documentation of our interventions and intended treatment plans to ensure consistent and clear microbiology advice"

Katie Houghton, Head of **ICNet** Operations also commented:
"Chelsea and Westminster has always been a forward thinking and progressive Trust making it the ideal partner for our first installation of **ICNet** Pharmacy in the UK. The delivery teams have worked incredibly hard to ensure the configuration matches the unique workflow in the UK and are now actively working to replicate their success in several other implementations"

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