



Executive Summary of Joint Working Outputs
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Project Title	Radiology Automation in Liverpool
Duration	25 months (July 2019 – August 2021)
Project Partners	Liverpool University Hospitals NHS Foundation Trust Bayer plc
What was the issue to be addressed?	To explore protocol applications, improvement in workflow efficiencies and audit quality from Radiation and dose management solutions.
What was the intervention?	<p>Automisation of the current CT service to address the following:</p> <ul style="list-style-type: none"> • A high number of manual steps in setting up, documenting each scan, the need for further imaging or possibly extended stay in hospital • The lack of an effective platform to identify good workflow practice for roll out across several radiology suites and radiographer/radiology teams • To create a reliable systematic collection of radiation and contrast dose data per patient.
What were the results?	<p>IT Infrastructure built to accommodate Bayer radiology data management software. Full build, implementation, and integration of software systems successful with third party providers -Picture Archiving and communication system (PACS), Radiology Information System (RIS) Time-interval error (TIE), Intracardiac Echocardiography (ICE).</p> <ul style="list-style-type: none"> • Process for collecting baseline data established • Compatibility interfaces testing validating data capture and transfer • Clinical data validation with Bayer radiology data management software <p>Configuration set up with key users and masterclass training for Liverpool Radiology staff.</p>