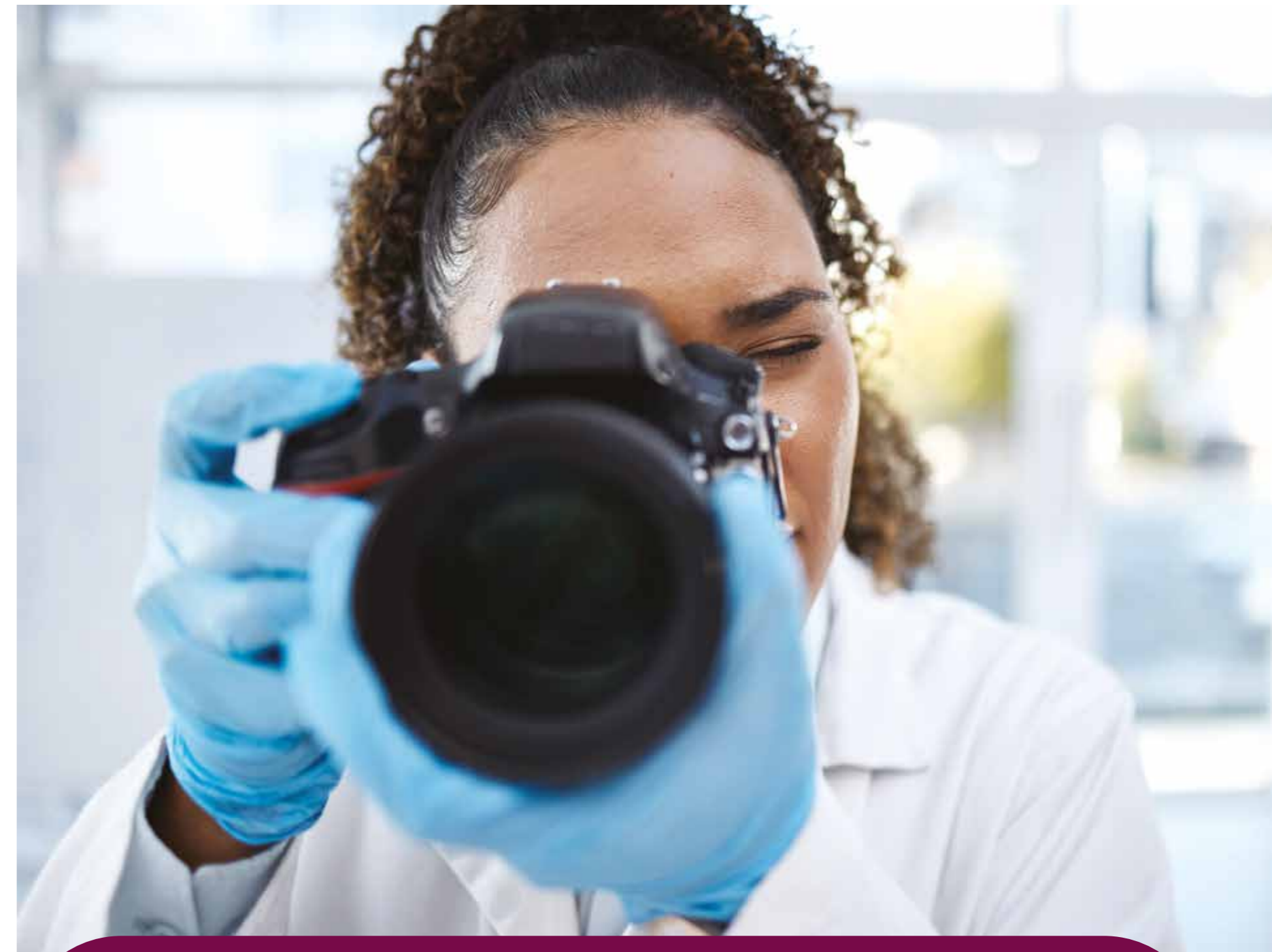


Develop and deliver a regional image sharing solution for Other Ologies utilising the existing infrastructure of Picture System (PACS), enabling consolidation of storage in each organisation, providing a safe, secure, good quality, scalable solution for clinicians to access authorised images across the region.

- Images will be available to clinicians across the region without the need for image transfer.
- Images will be stored as part of the electronic patient record, with patient demographics feeding into Other Ologies PACS from Trust patient record systems.
- Procuring a single solution for Cheshire and Merseyside will allow us to realise economies of scale.



## PROBLEM STATEMENT

- There was no central repository enabling organisation-wide and region-wide image sharing for non-Radiology medical imaging in Cheshire & Merseyside.
- Images have been stored on systems which are often local to the department acquiring the imaging. As patient demographic data is predominantly manually entered it does not receive demographic updates and is at risk from incorrect data entry.
- Implementation of a centralised image storage and viewing application would allow clinical images to be stored as part of the patient record and would make them accessible to clinical teams across Cheshire and Merseyside to support cross-site and regional pathways and workflows. This will remove the need for clinicians to acquire images on personal devices and share them with colleagues via messaging apps which sit outside of the Trust IT environment. Patient demographics would be fed in directly from the Trust EPR/PAS systems ensuring that information remains current.

## APPROACH/SOLUTION

- Three Trusts expressed interest in being included in the first phase of the pilot:
  - Liverpool University Hospitals NHS Foundation Trust - Trauma and Emergency Dept, Medical Photography.
  - The Walton Centre NHS Foundation Trust - Tissue Viability Team.
- St Helens and Knowsley Teaching Hospitals NHS Foundation Trust - Medical Photography, Burns and Plastics Team.
- The project team have worked closely with the supplier and the clinical teams to ensure that standardised system workflows are agreed across the region.

## NEXT STEPS

- Phase two is currently being scoped, expressions of interest have been received from a number of Trusts and services across Cheshire and Merseyside.
- The next phase of the pilot will see us explore modality worklists as we look to on board services such as endoscopy and PACS-based reporting to ensure assessments of clinical images can be accessed by clinicians across the region.

## FOR MORE INFORMATION

If you would like more information on this CAMRIN case study; please contact: [CAMRIN@liverpoolft.nhs.uk](mailto:CAMRIN@liverpoolft.nhs.uk)

## OVERVIEW OF THE PROJECT

- Other Ologies PACS is in year one of a three year pilot.
- Other Ologies PACS is separate to Radiology PACS to ensure that the development of non-Radiology workflows does not have a negative impact on data quality and existing Radiology workflows.
- There are 2 workflows for uploading images to Ologies PACS:
  1. **Solicited workflow** – this requires an order/request to be placed and is used by departments such as Medical Photography.
  2. **Unsolicited workflow** – this does not require an order/request to be placed and is used by clinical teams to take clinical photographs “on the fly”. Images can be acquired on a mobile phone or tablet device within the solution, leaving no trace of the image on the device.

## BENEFITS

- Inbound patient demographics feed from the Trust EPR or PAS will remove the need for the manual entry of patient demographics.
- This will save time for staff and ensure that patient demographic information is current.
- Procuring a single solution for Cheshire and Merseyside will allow us to realise economies of scale.
- This will reduce data storage and application costs to Trusts.
- Increased accessibility of images across the region will support increased collaborative working.
- This will remove the need for images to be transferred between organisations and enable specialist teams to assess patients more easily.

