#LeedsDigitalWay
CONNECTS • TRANSFORMS • IMPROVES

NHS
The Leeds
Teaching Hospitals
NHS Trust

ppm+

Leeds Teaching Hospitals Trust's electronic health record

PPM+ (Patient Pathway Manager) is LTHT's electronic health record, built on the latest web technology and evolved from a system originally built in 2002 to support the delivery of cancer services. A programme of continuous development has delivered an agile, multi-functional EHR to rival the mega-suites.

Used Trust-wide to support everyday nursing, medical documentation and clinical processes, on-going development is managed by a dedicated in-house team, supported by specialist suppliers using industry best practice techniques. PPM+ is designed to consolidate data from disparate systems, both within LTHT and also across local organisational boundaries. This allows clinicians to view a single patient record which includes city-wide information from a number of different organisations, providing a rich, informed view of our patient's wider needs.

Clinicians are able to supplement the record directly with a variety of different information data sets, including clinical notes, operative notes and nursing documents. This supports and improves clinical decision making, using functionality such as tasks, alerts and electronic whiteboards to automate reminders, reduce manual effort and save time, ultimately allowing our clinicians to focus on providing patient care.

Supporting data sharing and interoperability

PPM+ supports several local and regional organisations, including The Mid Yorkshire Hospitals Trust, Humber Coast and Vale, and the nationally recognised Leeds Care Record, a rich source of health and social care information shared for direct care purposes across the city of Leeds. It also supports the 100,000 Genomes Programme across Yorkshire, capturing information relating to rare diseases, and allowing participation in the national ambition to personalise patient care based upon genetics.

The PPM+ team continues to work closely with West Yorkshire & Humber's LHCRE team to explore interoperability, working towards the provision of a regional summary of health and social care. As part of this, the team is working closely with Microsoft to develop the ability to share PPM+ data more widely using emerging FHIR (Fast Healthcare Interoperability Resources) standards.

> "I can't stress enough what a joy it is to not have to hunt around for a drugs chart. It's part of the patient notes, part of the patient journey!"
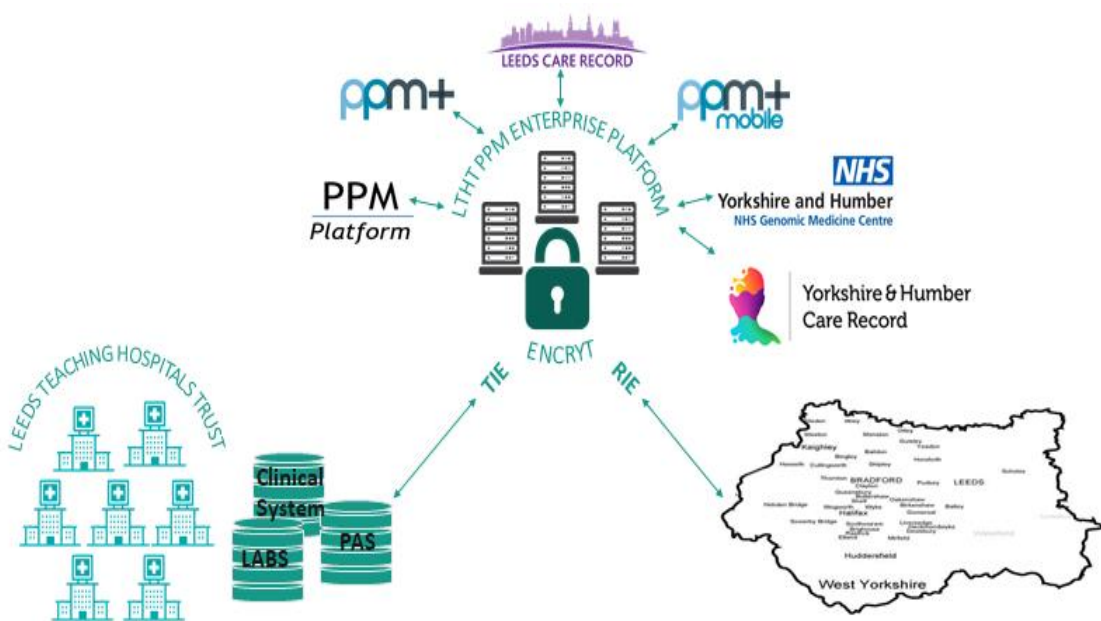
Supporting the Mid Yorkshire Hospitals NHS Trust

The use of PPM+ brings multiple, long term benefits to both MYHT and LTHT. Patients under the care of both Trusts benefit from the most up to date information and data, supporting joined up care across neighbouring organisational boundaries.

Introduced in 2019, PPM+ has also enabled MYHT to implement and streamline e-observations, electronic whiteboards and bed management system functionality.

Under a dedicated service level agreement, functionality is developed and adapted for MYHT's specific needs as part of a wider programme. This joint approach supports shared learning, contributing to an improved EHR which benefits clinicians across a wider region.

- **PPM+ has over 20,000 active users** across Leeds and the surrounding region, with 1.2 million electronic forms completed across the platform every month.

- In hospital, it is **deployed to over 90 electronic whiteboards**, delivering real-time information at the point of care. This information is available to care professionals in different views for management of patients across multiple wards and for bed management purposes.

- Virtual Ward is also available, enabling GP practices and integrated health and social care teams to **support timely discharge**, seven days a week.

- LTHT has also built a **PPM+ mobile app** to support delivery of bedside care, compliant with GS1 global standards and available to install on personal Android and Apple devices using secure WiFi.

The benefits of owning and developing our EHR

- Ability to shape and prioritise development to suit our clinician's needs, responding quickly to changing circumstances.

- Co-location of teams ensures the overall user experience and functionality benefits from an in depth understanding of clinical needs.

- Ability to identify and exploit opportunities to join up systems and share data with other organisations, avoiding restrictions imposed by supplier-governed timescales.

- Direct and on-going investment in the skills and capabilities of our in-house development team.

The Digital Ward has given us extra momentum, provided a focus for change and unified our group in a digital approach on the ward.

The Stroke Team has embodied that becoming Digital is not simply using a computer or turning something electronic, it is improving the process by which we deliver our care across the board.