



PATHPOINT®

**DIGITAL TRANSFORMATION OF
THE FULL TRAUMA & ORTHOPAEDIC
DEPARTMENT**



NHS

**West Hertfordshire
Teaching Hospitals**

NHS Trust



OpenMedical

Background

Adopting a user-centred design methodology, our team implemented a digital transformation project alongside West Hertfordshire Teaching Hospitals NHS Trust, customised specifically to the needs of the department. A seamless digital solution was required, incorporating both referral pathways and encapsulating the full patient journey: from injury to rehab. Pathpoint eTrauma is now revolutionising how the team manages its acute admissions and virtual fracture clinic.

Challenges

- West Hertfordshire Teaching Hospitals NHS Trust is a busy regional centre with 600 beds and 9 theatres. In 2017-18, the Trust received 139,000 emergency attendances.
- Alongside the acute orthopaedic trauma referrals, a further 6,000 referrals were made through the virtual fracture clinic (VFC).
- The team at the Trust was struggling with the increasing number of referrals, significant time spent identifying patients' location in the care system, and coordinating their care through multiple channels, including ward lists, multiple whiteboards, and paper theatre lists.

Solution

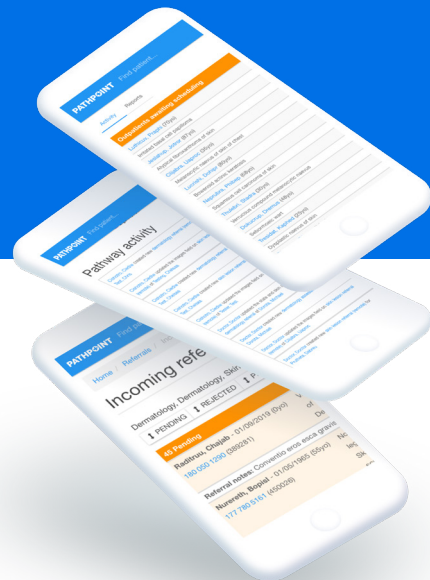
- A platform with its functionality fully focused on Trauma & Orthopaedics, enabling the clinical team to configure pathways designed to centralise and streamline orthopaedic patient care.
- As a cloud-based service, it is fully accessible from any desktop computer within the Trust, as well as personal devices. In accordance with NHS data interoperability requirements, Pathpoint eTrauma has FHIR-approved endpoints that connect with any existing eMR/ePR systems.
- Cloud-based platform with complete trauma list coordination, including digital trauma take and handover, real-time breach warning to ensure Best Tariff Attainment, semi-elective trauma scheduling and much more.
- Certified safe and secure environment to store patient data and share information between doctors.



We had no straightforward way to identify and audit the key information that would enable us to plan ahead for service provision. We were aware of factors impacting our service - we just didn't have the access to our own data that could tell us this.

As is traditional, our junior doctors were writing their own paper lists, but the information they were documenting wasn't uniform in every case. We needed to ensure that every patient in our care came with the same minimum dataset of information in order to prioritise efficiently; to plan clinics and schedule theatre time.

Martina Wade
Trauma Manager
Watford General Hospital





Since implementing Pathpoint we have reduced the length of stay by a full day. Over a year this means a big saving. We have an improved perspective on our business case, enabling us to make an accurate plan a year ahead.

Martina Wade
Tauma Manager
Watford General Hospital



Outcomes



Cost Saving

£1,464,5000 cost saving



Target Achievement

91% of femoral neck fractures operated within 36 hours



Minimised Attendance

48% of patients treated with validated protocols from point of care
25% requiring no further attendance



Reduced Length of Stay

12% decrease in admissions. Reduced length of stay of a trauma patient from 8 days to 7 days



Reduced Time to Treatment

20% time reduction from injury to treatment



Highly Efficient

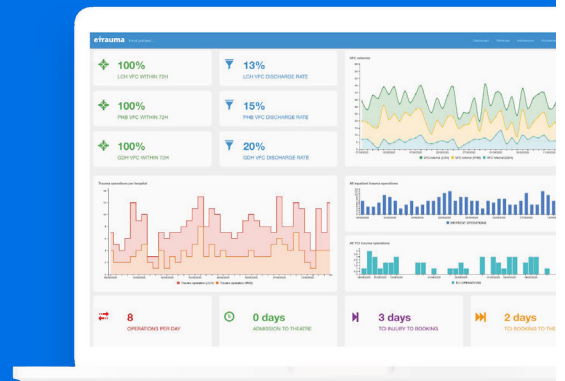
5 min maximum time for all assessments done on eTrauma



Improved Coordination

Improved coordination of trauma care
26% of trauma list patients operated as planned day case procedures

Pathpoint is used by clinicians in over 75 NHS sites nationwide. It's a versatile and highly customisable, clinically coded pathway management system. As a cloud-based platform, the product is deployed remotely, with a full implementation within days and user training on-site. Unique requirements and pathway mapping are supported by the in-house blended clinical and engineering team. The platform is fully interoperable with any NHS IT systems in accordance with the highest NHS IG standards.



OpenMedical

Address
CP House, 97-107 Uxbridge Road,
London, W5 5TL

Phone Number
+44 (0) 203 475 2955

Email Address
info@openmedical.co.uk

Social Media
X: @OpenMedicalLtd
LinkedIn: linkedin.com/openmedical

Background

We worked together with Watford's lead trauma consultant, charge nurse, physiotherapists and theatres team to optimise the Virtual Fracture Clinic (VFC) pathway and to implement a much needed efficient digital solution. Pathpoint VFC platform has revolutionised how the team manages its VFC.

Challenges

Watford General Hospital had encountered a number of barriers in the traditional VFC process:

- Inconsistent and poor referral quality with insufficient information transferred between clinicians.
- Some patients were 'lost' in the system, leading to incidents and complaints.
- Almost all referred patients were requested to attend again at the face-to-face clinic. Simple sprains and injuries typically do not require repeat specialist input.



Dictating clinic notes into Pathpoint directly, and using the operation note templates, now allows physiotherapy and nursing teams to easily see all relevant information, with no handwriting issues.

Mr Krisztian Deierl
Consultant Trauma Surgeon,
Trauma Clinical Lead
Watford General Hospital



Solution

- Referral to virtual fracture clinic is automated by the Pathpoint VFC platform made available to designated clinical teams.
- Coordination of care between multidisciplinary teams becomes simple and effective.
- To guide patients in their recovery, Pathpoint VFC auto-generates a validated advice leaflet/video on a digital protocol to the ED.
- Pathpoint VFC promotes ongoing audit via coded data, ensuring the department is working effectively and having a high-level overview with a customised dashboard.



I can monitor department activity easily, filtering for chosen points in time, or by diagnosis case type. The reports function shows that our VFC referral to assessment within 72 hours is 94.1% - a great result.

Mr Krisztian Deierl
Consultant Trauma Surgeon, Trauma Clinical Lead,
Watford General Hospital



Outcomes

After a 6 month period, the team analysed impressive statistics from the Pathpoint VFC platform:



94.1%

of cases have a VFC referral to assessment time of under 72 hours



20%

of cases did not require follow-up from T&O team



20%

reduction in injury-to-theatre time



GETTING IT RIGHT FIRST TIME

With the ultimate goal of improving quality of care, Pathpoint helps organisations **standardise** care, streamline processes to enhance **efficiency**, leverage **data-driven** insights, and foster a **collaborative** excellence among healthcare providers, all seamlessly

ALIGNING WITH GIRFT PRINCIPLES.

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London, W5 5TL

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