Patient Catalyst

AI-enabled Operational Decision
Support for Health Systems

Bringing Ingenuity to Life.

PA's Patient Catalyst

Our latest healthcare innovation, Patient Catalyst, enables increased activity without stretching existing capacity. The AI-enabled operational decision support platform empowers clinical staff to effectively match each patient to the next clinical activity in the pathway, delivering the most effective care in the quickest possible time.

For decades, PA has been a trusted partner for stakeholders across the health system. Our multi-disciplinary experts devise programmes and products that enhance healthcare delivery and address prevailing challenges such as increasing demand, greater complexity, and resourcing constraints.

"

Patient Tracker allows us to be truly patient centric in a way we have never been able to.

Director of Performance,
NHS Trust

Decisions Save Lives

———

Patient Catalyst revolutionises clinical decision-making by accessing disparate data from across the health system to predict each patient's pathway needs. The platform applies advanced machine learning, predictive analytics, and AI to draw insights from diverse datasets, providing a single source of truth for operational decision support.

"

This kind of safety net is exactly what we need to ensure nobody gets missed.
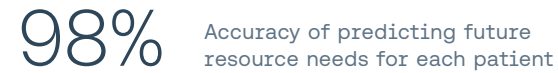
Clinician,
NHS Trust

Better patient experience and outcomes

Empower your staff with intelligence to support efficient pathway management, with alerts for high priority patients, maximising the quality and safety of patient care.

1month

Average reduction in waiting times for patients monitored

9000patients

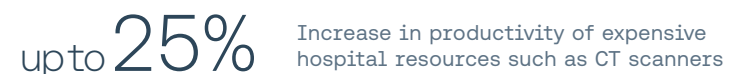Protected from potential clinical harm on average per year

Faster, accurate operational decisions

Enable staff to make more accurate, faster operational decisions and maximise use of precious healthcare resources, by analysing large volumes of data in record time.

98%

Accuracy of predicting future resource needs for each patient

Improved real-time collaboration

Enhance communication between operational staff through a centralised platform for seamless data sharing, centred on the patient and smoothing out bottlenecks.

up to 25%

Increase in productivity of expensive hospital resources such as CT scanners

Product highlights

Predict before it happens

Connect relevant data with critical operational decisions, preparing for resource demand up to six weeks in advance.

Total pathway management

Holistic view of patient pathways tracked automatically across systems, highlighting bottlenecks building at patient level.

Cutting edge analytics

Leverage the power of AI, predictive analytics, and machine learning to predict patient needs and outcomes while aligning them to the next step in patient pathway.
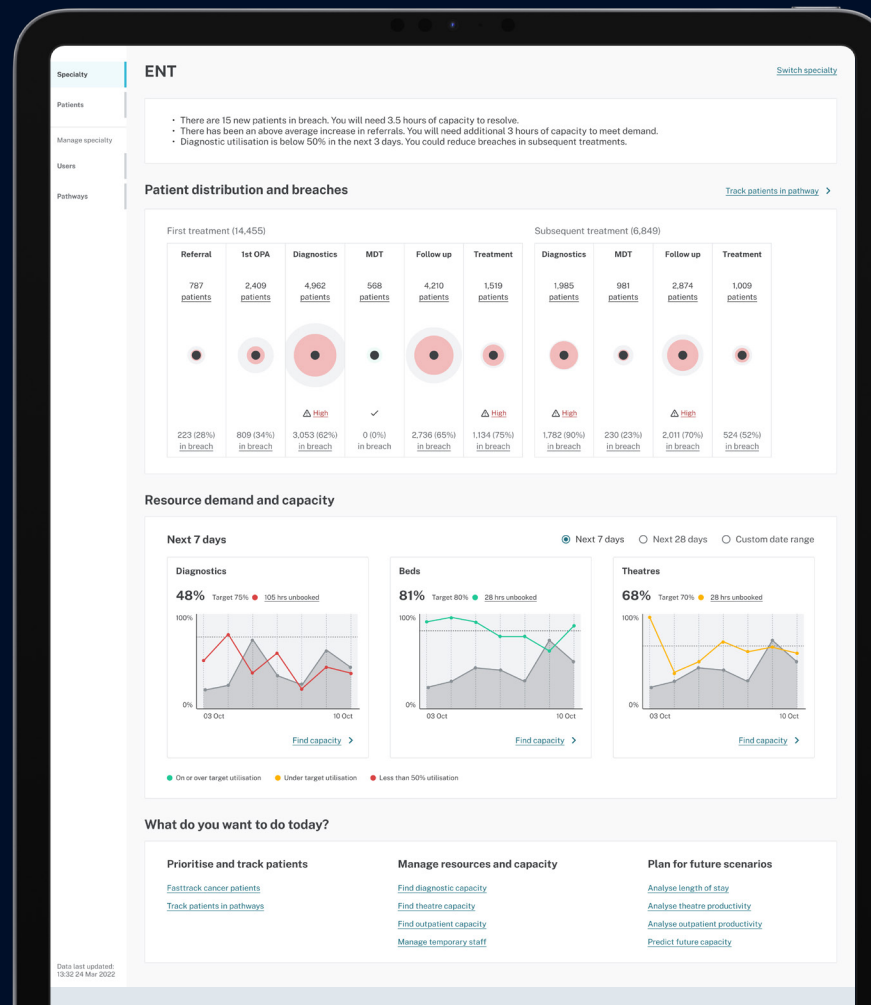
Automated scheduling

Intelligent scheduling that automates matching of patient need to first available capacity across a range of services.

Intuitive user interface

Access an intuitive, user-friendly interface with comprehensive data visualisations, enabling non-technical and technical users alike to quickly access and analyse real-time data.

Seamless data integration

Pull data from multiple sources including your own EMR, imaging system, and analytics software, utilising large clinical datasets to support decision-making without the guesswork.

Customised modules for your needs

Patient Catalyst features integrated, interoperable modules, each designed to perform a specific function tailored to the needs of the operational staff it supports.

Together, the modules provide a holistic single solution able to manage, integrate, and analyse all your health system decisions under one roof. We are committed to continuously expanding the capabilities of our platform by actively developing new modules to ensure Patient Catalyst remains at the forefront of evolving health system needs.

"

Using our finite resources for maximum impact is key to recovering from the pandemic and reducing waiting times...PA has helped us find new ways to overcome these challenges.

Divisional Director for Medicine,
NHS Trust

1 Patient tracker
Monitor and track the progress and status of patients throughout their care pathway.

2 Cancer tracker
Track patient progress against the recommended treatment pathway, providing alerts to resolve potential issues.

3 Theatre scheduler
Easily manage theatre resources such as surgical teams, equipment, and supplies to minimise time to treatment.

4 Imaging scheduler
Efficiently manage imaging resources, such as scanners and staff, to minimise patient wait times.

5 Bed scheduler
Allocate beds more efficiently with real-time visibility into bed availability and occupancy.

6 Discharge predictor
Accurately predict the likelihood of patient discharge based on various clinical and administrative data points.

Working with PA

With Patient Catalyst, you're not just choosing a product – you're choosing a partner

With decades of experience working with our long-standing NHS clients and a wealth of digital expertise, we are best placed to support your journey to becoming a truly data-driven organisation. Co-developed with our NHS partners, Patient Catalyst is built for the specific needs of UK-based healthcare organisations.

We are not your average provider – we develop close working relationships as part of our one team approach, always focusing on the needs of your people. Our team of healthcare experts, product specialists, and change management consultants will work with you throughout implementation and beyond, ensuring you have the support you need at every step.

To know more, contact:

Jenny Lewis
Partner, PA Consulting

jenny.lewis@paconsulting.com

> "
> We are extracting the full value from our extensive data sets for the first time, using patient data to address live problems across the Trust, make informed decisions, and improve services for the thousands of patients we serve.

Deputy Medical Director,
Nottingham University Hospitals NHS Trust

About PA

We believe in the power of ingenuity
to build a positive human future.

As strategies, technologies, and
innovation collide, we create opportunity
from complexity.

Our diverse teams of experts combine
innovative thinking and breakthrough
technologies to progress further,
faster. Our clients adapt and transform,
and together we achieve enduring results.

We are over 4,000 strategists, innovators,
designers, consultants, digital experts,
scientists, engineers, and technologists.
And we have deep expertise in consumer
and manufacturing, defence and security,
energy and utilities, financial services,
government and public services, health
and life sciences, and transport.

Our teams operate globally from offices
across the UK, Ireland, US, Nordics, and
Netherlands.

Discover more at paconsulting.com and
connect with PA on LinkedIn and Twitter.

PA. Bringing Ingenuity to Life.

Corporate Headquarters

PA Consulting
10 Bressenden Place
London SW1E 5DN
United Kingdom

+44 20 7730 9000

paconsulting.com