alteryx

SOLUTION BRIEF

Accelerating Elective Recovery with Data That Works

Enabling NHS teams to integrate fragmented data, prioritise patients and restore timely access to care

Impacts of Accelerated Elective Care

What NHS teams can achieve with Alteryx

Alteryx gives NHS teams the tools to clean, connect and act on their data – fast. From validating waiting lists to improving scheduling and capacity use, we help reduce delays, cut manual effort and get patients seen sooner.

Across the NHS, operational and clinical teams are under unrelenting pressure to reduce elective backlogs and improve access. But outdated manual processes, siloed systems and unreliable data often get in the way — creating delays, duplication and blind spots.

Alteryx helps NHS teams break this cycle by unifying disconnected data and automating the most resource-draining processes. Whether it's validating waiting lists, triaging patients, or optimising clinic and theatre slots, our approach helps teams take faster action based on timely, trusted insight.

Our approach directly supports the vision of the Federated Data Platform – providing a locally deployable, trust-owned layer that delivers real operational gains without the need for new infrastructure.

With Alteryx, NHS organisations gain a flexible, locally-governed analytics layer that works alongside existing systems.

Find out more today at www.alteryx.com/nhs-hub

Common Challenges

- Data lives in too many places: EHRs, Excel trackers, referral letters, PAS systems
- Delays at diagnostics and pre-op stages create knock-on effects
- Spreadsheet-based workflows are error-prone and unsustainable
- Ops teams can't see real-time availability to match demand
- Uneven use of capacity with some services overflowing and others under-used

5 Myths About the Elective Backlog

1. *"We just need more staff or funding."*
   → Without clean, joined-up data, new resources won't deliver the impact needed.
2. *"First-come, first-served is fair."*
   → Risk-based prioritisation delivers better outcomes and faster recovery.
3. *"Our systems are too fragmented."*
   → Automation can bridge the gap — no need to rip and replace.
4. *"This is a clinical issue."*
   → Operational intelligence is key to cutting delays and clearing bottlenecks.
5. *"Data doesn't change outcomes."*
   → When used well, it absolutely does.

How Alteryx helps NHS teams streamline elective care and reduce waits

- **Integrated Data for a Single Source of Truth:** Alteryx helps unify data from GP referrals, EHRs, PAS, theatre schedules, diagnostics systems, and local Excel trackers into a single automated dataset. With Alteryx you can cleanse and harmonise data to remove duplication, resolve inconsistencies and flag missing or conflicting entries. This creates a real-time, clinically meaningful view of demand and capacity — a shared truth for operational, clinical, and informatics teams to plan against.

- **Accurate, Continuously Validated Waiting Lists:** Replace spreadsheet-driven validation with automated workflows that reconcile completed treatments, identify inactive or unreachable patients, and surface inconsistencies across sources. Apply local rules and clinical logic to flag anomalies in real time — ensuring your waiting list reflects the patients who genuinely need care now. This reduces clinical risk, improves communication with patients, and enables more focused recovery efforts.

- **Smarter Patient Prioritisation and Scheduling:** Apply risk scores or urgency flags to waiting list patients and intelligently match them to available clinics or theatre slots. Alteryx enables rapid, rules-based scheduling decisions that align with clinical priorities and operational constraints. Whether it's identifying long-waiting P2 patients or triaging for high-impact day cases, the aim is simple: see the right patients, at the right time, with the right resource.

- **Pathway-Level Analytics:** Track patients across full RTT pathways — from referral to diagnostics to treatment — and identify where the system slows down. Highlight bottlenecks and evaluate the impact of resolving them. Model GIRFT-style interventions and simulate pathway redesigns to understand where to target improvement efforts for the greatest throughput gain.

- **Forecasting and Capacity Planning:** Use historical trends and real-time data to model future demand, backlog growth, and throughput scenarios. Simulate different combinations of theatre sessions, clinic slots, or workforce availability to understand the likely impact on RTT targets and P2 compliance. This supports smarter decision-making around outsourcing, insourcing, weekend lists, or use of community diagnostic centres — backed by local evidence.

What You Will Need

- Patient & Referral Data – RTT pathways, referral sources, priority codes
- Clinic & Theatre Capacity – schedules, rosters, theatre availability
- Diagnostic & Pre-op Data – imaging dates, pre-op flags, cancellations
- Targets & Standards – RTT clock, GIRFT metrics, local KPIs
- SDE or Local Secure Hosting – NHS-governed processing and data handling

What Alteryx Provides

- Unified Data Access & Automation – Join data across systems, no manual effort
- Customisable Workflows – Tailor to each trust's rules, validation logic and priorities
- Predictive & Pathway Analytics – Run simulations, forecasts and risk models — no coding needed
- Transparent Reporting – Build trust with clear, auditable outputs and dashboards
- Self-Service Analytics Layer – Empowers NHS teams to solve challenges directly and collaboratively