Health and Social Care

Advanced data and analytics solutions to enable proactive patient care and transform for the future of health care

Quantexa

Break silos with trusted and actionable data

Demand for healthcare globally is growing rapidly. Being data-driven is no longer an aspiration; it's a necessity. Despite the move to digitize healthcare over the last 20 years, there is still a huge opportunity to use data to its full potential to improve patient care, create efficiencies that enhance the bottom line, and design and implement solutions that solve the most complex challenges in health and social care.

Data is a critical component of healthcare. But siloed data and the sheer growth in data volumes present increasingly difficult challenges that prevent leaders from seeing "the full picture" to make proactive and accurate decisions. With information spread across disparate systems, organizations are being hindered in their path to prioritize patient care effectively and increase productivity and efficiency levels.

The ability to unify data, address risk, and run operations more efficiently is paramount. This is why, in an industry that faces overwhelming demand, solutions that work with existing data environments and legacy technologies to make more informed decisions are critical to support the patient journey with minimal disruption.

Today, the most successful healthcare organizations are those moving fastest to innovate their use of data and embrace a new age of digital transformation: **decision intelligence.** This approach delivers new and more effective ways to connect data and unlock its value to create a sustainable and resilient healthcare market to meet increasing demand.

Unlock the value of data with decision intelligence

Quantexa is the global leader in providing decision intelligence – creating accurate and reusable data that leads to confident decisions. Health and social care organizations rely on Quantexa to help them make the right decisions at strategic and operational levels so they can prioritize patient care and seize opportunities to enhance productivity and efficiency.

One of the keys to achieving success is for health and social care organizations to become truly data-driven. To realize this goal, data and decision-making must be used responsibly and holistically. Quantexa's Decision Intelligence Platform delivers on these objectives.

Decision intelligence is the latest step in the evolution of business intelligence. Instead of merely combining all available data, without context, and presenting it to a decision-maker, Quantexa's Decision Intelligence Platform uses machine learning

and artificial intelligence to provide a single, holistic analytical view to help data professionals and operational teams make faster, more accurate decisions through augmentation.
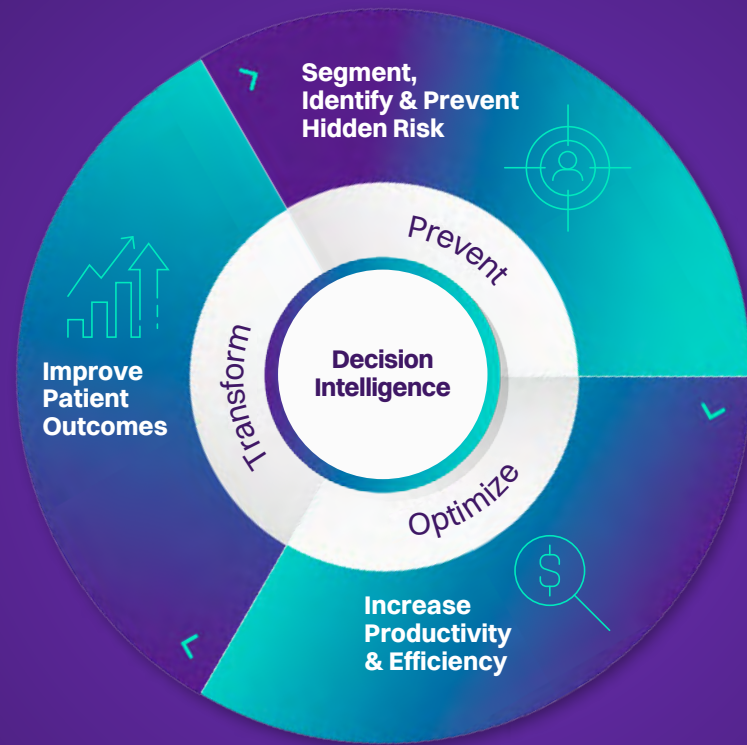
Effective and efficient decision-making in healthcare relies on a delicate balance within the health and social care ecosystem between patients, clinical staff, operational managers, and technology. Enhancing critical decision-making with accurate, real-time, and enriched data is how you can move up the data value chain, from data collection to data impact.

The formula for success

With a sea of trends fueling the demand for innovative healthcare solutions, the formula for success starts with a strong data foundation. Quantexa's Decision Intelligence Platform enables you to take advantage of low-code data fusion to unify data, build single views of entities, use graph analytics to generate networks, and employ scoring and alerting frameworks to create contextual insights. These core capabilities allow you to create one version of the truth and take steps to improve operational efficiency and proactively manage patient care to achieve better outcomes.

Reimagine the value chain to **prevent, optimize, and transform**

Quantexa enables healthcare organizations to take a holistic approach to how they operate across the value chain. Quantexa's Decision Intelligence Platform helps you to overcome some of the most common data challenges, including siloed data, messy data, and lack of contextual information.

With Quantexa's Decision Intelligence Platform, you can connect and operationalize internal and external data to create an enriched and accurate 360-degree view of patient records to make trusted decisions faster. You can prioritize and enable better healthcare decisions, enhanced segmentation, and risk stratification.

Working collaboratively with healthcare organizations, Quantexa's Decision Intelligence Platform with market-leading Entity Resolution accurately links data and applies advanced analytical scoring and networking capability to create contextual insights that bridge the data gap. Quantexa empowers your workforce to use huge volumes of data more efficiently and solve the most complex challenges in health and social care.

Quantexa helps healthcare leaders prevent, optimize, and transform with certainty and clarity – with the right data to make the right decisions.

Data Management

Build a trusted data foundation to maximize value from your data

Patient 360

Create one longitudinal health and social care record for personalized and accurate decision-making

Care Journey Coordination

Bring the power of context for better care coordination across health and social care systems

Citizen Risk and Population Intelligence

Configurable scoring framework to enable timely interventions

Operational Resilience

Use population-level data to improve operational and financial management

Quantexa's goal is to help organizations automate decision-making processes and use decision intelligence to run health and social care operations more efficiently

Prevent

Segment, identify, and prevent hidden risk

Advanced patient segmentation and cohorting for population health management (PHM) and research

- Reduce urgent and emergency care pressure with identification and preemptive intervention of patients at risk of A&E attendance
- Support elective recovery with more granular waiting list management and targeted pre- and post-operative care
- Enhance research with high-quality linked data and advanced segmentation utilizing multiple data sources

Optimize

Increase productivity and efficiency

Scoring and network analytics enable organizations to manage your operational risk and make productivity improvements

- Reduce winter pressures by preemptively identifying patients at risk of DNA and intervene early
- Support elective recovery with accurate demand forecasting based on local population needs
- Waiting list verification and de-duplication
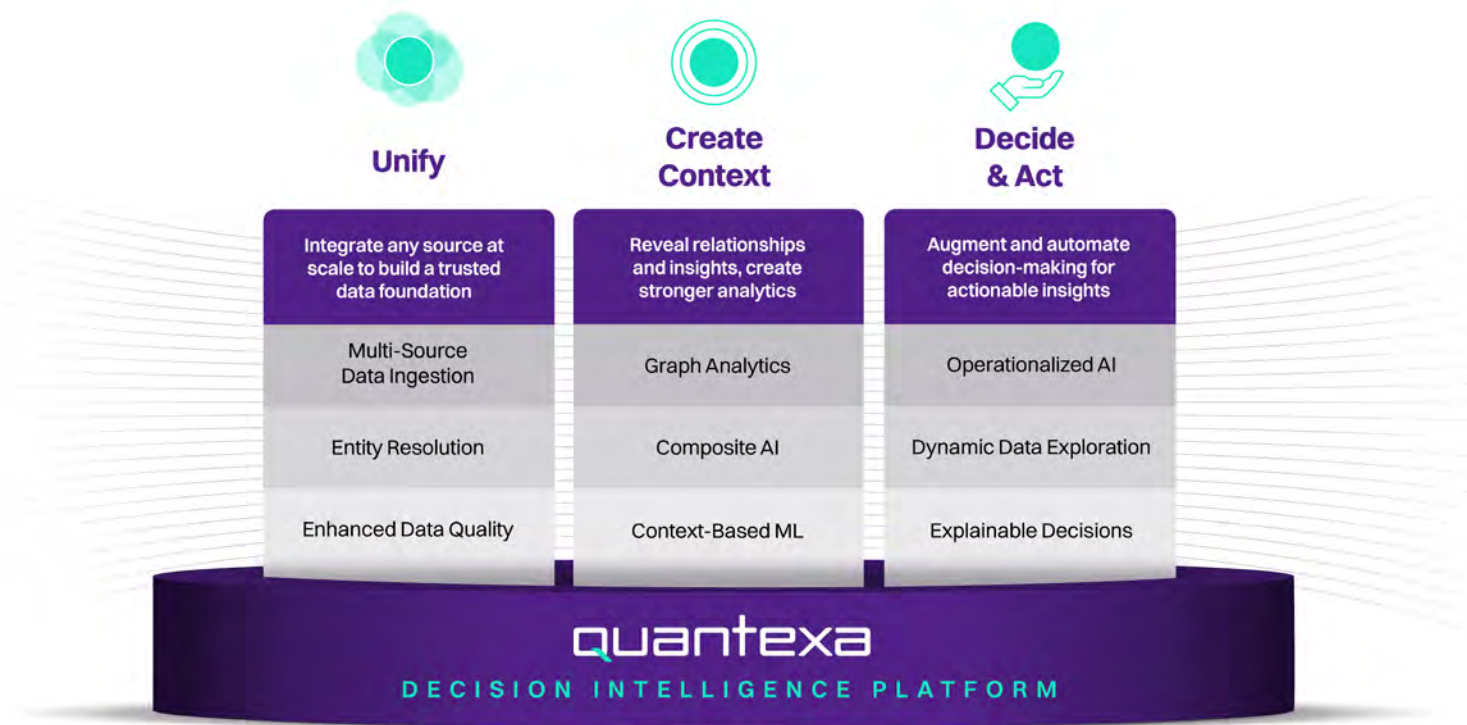- Long-term view of patient outcomes to support outcome-based commissioning

Transform

Improve patient outcomes

Enable effective sharing of linked data between organizations to improve patient journeys through the system

- Elective recovery support with the prioritization of patients on waiting lists based on 360 and real-time events from third-party data
- Use advanced entity resolution to reduce winter pressures with better discharge coordination
- Support enhanced system planning decisions and pathway redesign based on real-time linked data from across the whole health and care system

The platform to transform your decision-making

Unify

Integrate any source at scale to build a trusted data foundation

Multi-Source Data Ingestion

Entity Resolution

Enhanced Data Quality

Create Context

Reveal relationships and insights, create stronger analytics

Graph Analytics

Composite AI

Context-Based ML

Decide & Act

Augment and automate decision-making for actionable insights

Operationalized AI

Dynamic Data Exploration

Explainable Decisions

Quantexa
DECISION INTELLIGENCE PLATFORM

An open and modular enterprise platform for outcome-driven solutions

Imagine what your organization could achieve if your teams had a complete, holistic, context-rich view of a patient.

Quantexa's Decision Intelligence Platform gives you the ability to make better, more informed decisions by unifying disparate and ambiguous data and making it understandable and actionable. We use our best-in-class Entity Resolution to create accurate single views that build your trusted data foundation.

We help you create vital context by revealing hidden relationships in your data, generating insights that build stronger, more meaningful analytical models that identify patient risk and opportunity.

Our platform integrates seamlessly into your existing IT ecosystem, with flexible deployment options: – either native or containerized, on prem or in cloud – Quantexa is extensible with multiple views and use cases.

The result?

One version of the truth: De-dupe and prioritize waiting lists

Empower the workforce: Advanced technology for experts to transform how data in healthcare is used for operational decision-making

Improve operational efficiency: Use insights from data to create an ecosystem of continuous improvement

Reduce demand: See the full picture to make proactive decisions to care for patients in the most appropriate settings

Exceed patient outcomes: Accurately identify patients who need targeted support

What makes Quantexa different

Accurate

- **99%** matching accuracy for single views
- **20%** proven de-duplication of records
- Over **75%** reduction in false positive alerts

Fast

- Accelerate deployment and time to value with low-code, schema-free data ingestion
- Scale up to 60 billion records
- Reduce analysis time from weeks to hours

Open

- Easy to integrate into your existing tech stack
- Flexible, modular platform easily configured for your operations
- Extensible with multiple views and use cases

Secure

- Advanced permissioning and role-based data access
- White-box machine learning models
- Transparent scoring and alerts

Quantexa's Decision Intelligence Platform is designed as a single, modular platform to enable health and social care organizations to increase data availability, transparency, privacy, and security.

Transform for the Future.

Decision intelligence starts with Quantexa.