



# Transforming Healthcare Operations with Artificial Intelligence (AI)

Empowering healthcare organizations to make **smarter, data-driven decisions** to improve capacity management and patient flow, streamline operations, and enhance system interoperability.

TeleTracking Technologies, the leader in healthcare operations and patient flow technology, is bringing cutting-edge AI automation and predictive capabilities to its healthcare Operations IQ® Platform.

## AI-enabled Healthcare Operations



TeleTracking is integrating simulation technology into its Operations IQ Platform, providing hospitals and health systems with robust operational scenario planning capabilities, powered by AI.



This evolution will revolutionize how health systems manage capacity, patient flow, and resource optimization, addressing the increasing demands and complexities of modern healthcare.

We are committed to developing safe and ethical AI solutions that Health Systems can adopt with confidence.

Developed and tested alongside clinical experts to ensure compatibility with operational process and workflows.

Trained on your data, to ensure that the system reflects the realities of your organization.

Compliant with data privacy and clinical risk management standards and regulations, including DCB0129.

## The Future of AI-Driven Healthcare Operations Starts Now

This evolution marks a major step forward in leveraging AI to reimagine healthcare operations—enhancing efficiency, resource utilization, and patient flow management like never before.

# Target Patient Flow Bottlenecks with Decision IQ® for Throughput

Our AI-powered, human-guided solution helps health systems identify patient flow bottlenecks and align on a proactive strategy. With real-time insights, decision-makers can explore different solutions, choose the best course of action for their goals, and clearly communicate these strategies to frontline teams.

With Decision IQ for Throughput, patient flow decision makers will be able to answer key questions about flow, both now and in the future, to make informed decisions:

- 1 What's happening right now?** Get real-time updates on patient movement and hospital capacity.
- 2 What's likely to happen next?** Use AI-driven predictions to anticipate future patient flow challenges.
- 3 What happens if we make a change?** Simulate different discharge and transfer prioritization strategies to understand their impact on key flow metrics.
- 4 Which approach works best?** Compare scenarios to determine the most effective course of action.
- 5 How do I communicate the plan?** Ensure that multidisciplinary teams are aligned on the best strategy for patient movement and hospital efficiency.

## Driving Real Results for Your Health System

With Decision IQ for Throughput, health systems have the tools to:

### Improve team coordination.

Keep teams aligned on flow priorities by sharing information within the platforms they already use – removing the need for endless phone calls.

### Reduce unnecessary delays at the backdoor.

Minimize discharge bottlenecks by aligning teams on priority discharges to free up beds faster.

### Treat more patients with the same resources.

Optimize bed capacity and staff allocation, without adding strain.

### Eliminate waste and inefficiency.

Increase overall throughput and improve health system-wide operational efficiency.



Scan the QR code to learn more about Decision IQ for Throughput and how your organization can use AI to drive operational efficiency.