INPATIENT SOLUTION
Automate Discharge Planning Processes

Qventus

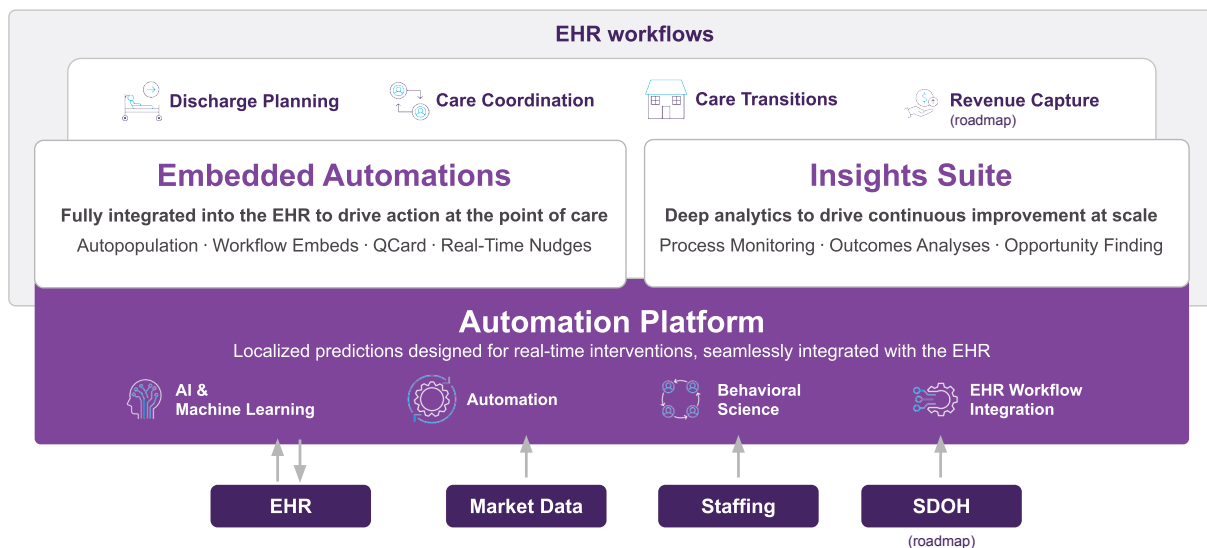## Industry Challenge: Manual processes and tools are delaying discharge

Today, operational inefficiencies extend length of stay and result in a significant number of excess days. These excess days lock up bed and staff capacity, delay patients from returning to their families, and cost the average health system millions of dollars each year.

Fortunately, research shows that early discharge planning reduces excess days by 1.2 days per patient. EHRs have digitized processes and centralized data, but they still rely on care teams to manually document information and coordinate across teams to resolve barriers to discharge. With hundreds of manual moving pieces, discharge planning at admission remains elusive and inconsistent, resulting in constant firefighting through the day of discharge.

Qventus Solution: EHR-embedded automations to reduce length of stay

The Qventus Inpatient Solution solves these challenges by combining industry-leading AI / machine learning, EHR integration, and behavioral science capabilities to automate discharge planning processes. Built on top of the Qventus automation platform, the solution embeds automations directly within EHR workflows to decrease length of stay and excess days. Health systems can deploy select automations that address their specific needs within their existing ecosystem, or implement the LOS Reduction bundle for full-scale transformation.
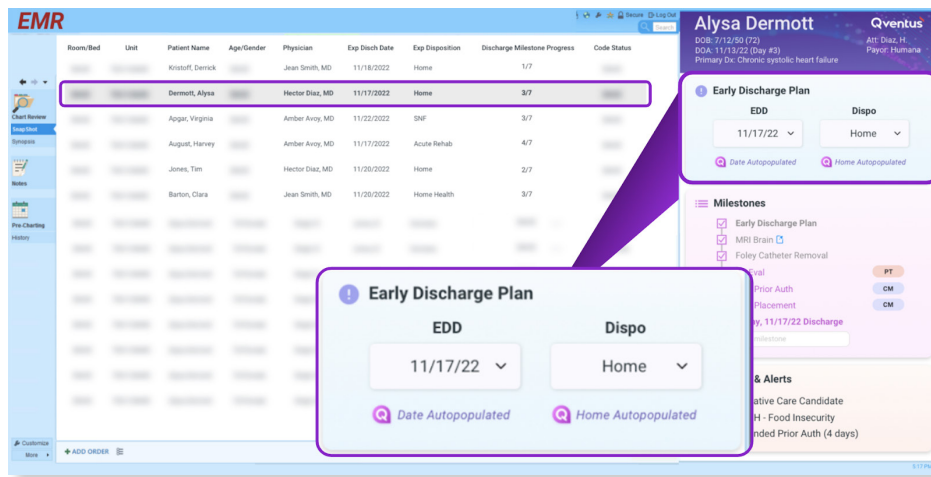
Inpatient Solution

EHR workflows

Discharge Planning · Care Coordination · Care Transitions · Revenue Capture (roadmap)

Embedded Automations
Fully integrated into the EHR to drive action at the point of care
Autopopulation · Workflow Embeds · QCard · Real-Time Nudges

Insights Suite
Deep analytics to drive continuous improvement at scale
Process Monitoring · Outcomes Analyses · Opportunity Finding

Automation Platform
Localized predictions designed for real-time interventions, seamlessly integrated with the EHR

AI & Machine Learning · Automation · Behavioral Science · EHR Workflow Integration

EHR · Market Data · Staffing · SDOH (roadmap)

Key Benefits

Reduce length of stay & excess days

Create capacity & grow strategic service lines

Decrease staffing strain & workload

Reduce care costs & margin pressure

Improve care quality & experience

Automations Embedded in EHR to Reduce Workforce Burden

The solution includes a library of automations embedded in EHR interfaces that remove the repetitive, manual tasks around discharge planning. They include:

- **EDD Automation:** ML models autopopulate EDD (estimated discharge date) predictions into the EHR early in the patient stay and recommend opportunities for earlier discharge as clinical conditions evolve

- **Disposition Automation:** ML models autopopulate or suggest discharge dispositions to help care teams prioritize patients for early care transition planning

- **Milestone / Barrier Automation:** AI uses ML predictions and other data sources to anticipate barriers to discharge and prompt actions within EHR workflows to resolve them

- **Flow Priority:** ML models analyze predicted census, planned discharges, and staffing to prioritize orders for ancillary services teams so that critical care steps are proactively sequenced to free up capacity and ensure timely discharge

---

How Qventus Embeds Automations in EHR Workflows

Autopopulation into the EHR to reduce documentation burden

Workflow embeds within EHR patient lists, workqueues, patient charts, and other interfaces

QCard embedded side panel to initiate key automations with a single click

Real-time nudges through decision support prompts (e.g., BPAs, CDS hooks), EHR messages, and other channels

---

Insights Suite for Sustained Change & Continuous Improvement at Scale

Qventus allows leaders to manage accountability and drive changes that stick. Its powerful analytics help leaders:

- Monitor statistically significant shifts in process fidelity

- Analyze outcomes and ROI impact

- Identify targeted improvement opportunities

Furthermore, it uses behavioral science principles to drive engagement, providing positive feedback when teams achieve goals.