

Reducing length of stay, increasing throughput, and delivering better patient care

IN LESS THAN SIX MONTHS SINCE LAUNCH:

↑ **8,554**
excess days saved, annualized

↑ **\$3.32**
million saved, annualized

↑ **23**
daily bed capacity created

↑ **4.4%**
increase in discharge volume

↑ **10-20%**
reduction in ED boarding

About OhioHealth

Based in Columbus, Ohio, OhioHealth is a nationally recognized, not-for-profit, charitable, healthcare outreach of the United Methodist Church. Since 1981, its network of 15 hospitals, plus ambulatory and other care sites, provide quality healthcare services to a 50-county area. Its Level I Trauma Center at OhioHealth Grant Medical Center is the busiest in Ohio, with 60K ED admissions annually.



THE CHALLENGE

Care team process inefficiency and long length of stay

OhioHealth discovered that relying solely on their EHR for case management and discharge planning was leading to time-consuming and inefficient processes. They needed to proactively identify barriers to discharge, then align care teams across the organization to overcome them.

After implementing their own improvement measures and evaluating various vendors, they recognized the need for an innovative partner to swiftly implement a solution that seamlessly integrated with Epic, their existing EHR. That's when the OhioHealth team turned to the Qventus Inpatient Solution.

“With Qventus Inpatient Solution we’ve reduced the length of stay for patients significantly, resulting not only in significant financial savings but also increased access to care.”

Scott Estep, System Vice President, Nursing Operations & Capacity Management



THE GOALS

Better efficiency, better care

OhioHealth had three specific goals for their partnership with Qventus:

1. **Improve discharge planning efficiency:** Identify barriers to discharge without disrupting their team's workflow, streamlining the process.
2. **Reduce length of stay (LOS):** Decrease LOS and excess days to optimize resource allocation, increase throughput and capacity, and reduce costs.
3. **Increase capacity for community care:** Create more access and capacity to meet the growing demand for care services.



THE SOLUTION

Real-time data, AI-powered insights

Qventus' Inpatient Solution uses AI to detect gaps in care plans and optimally sequence key care steps to best support patient flow. Using Qventus' real-time data and accurate predictions result in reduced time spent on manual work, enhanced patient outcomes from timely discharges, and smoother transitions to post-hospital care. This solution included a library of automations embedded into the EHR to remove repetitive manual tasks to reduce excess days, thereby also increasing capacity.

- **Early Discharge Planning (EDP) Intelligence:** Real-time insights embedded within existing EHR workflows help care teams set aggressive, but achievable discharge dates, and support optimal disposition determination, using ML models trained on customer data, including provider notes. 93% of patients received early discharge plans.
- **Automated Milestone Coordination:** Qventus' logic engine detects potential gaps in the care plan, prompting providers for key orders, and automatically opens/closes milestones, saving care team time. 85% of high-priority orders completed.
- **QCard Tool:** Smart on FHIR application embedded within the existing patient list navigator to optimize care team discussion and alignment with Qventus EDD, disposition, and milestone intelligence during rounds.
- **Flow Prioritization:** A machine learning algorithm embedded directly into the ancillary teams' standard worklists that analyzes patient and census data to determine the optimal sequence of orders to proactively free up capacity and ensure timely discharges. OhioHealth's ancillary teams, such as physical therapy, imaging, labs and consults use this capability to ensure safe and timely completion of high-priority orders. Annualized increased patient capacity of 3,500.
- **Insights Suite:** Robust set of analytics dashboards to support real-time discharge visibility and management, monitor solution engagement and overall solution outcomes, and identify systemic opportunities for continuous improvement.

"Today's care teams are overwhelmed by urgent needs and struggle to plan effectively. With Qventus, we're able to leverage our data to identify emerging themes, streamlining our operations and optimizing bed utilization."

Scott Estep, System Vice President, Nursing Operations & Capacity Management

Learn how you can automate your operations
today at qventus.com

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