

CASE STUDY

With VennU, Qventus Brings Care Quality Improvements to Market More Efficiently



What we heard

Hospitals are rightly focused on ways to improve the patient experience and the quality of care they provide. But third-party vendors that create the solutions that achieve these goals are constrained by existing methods of EHR data access, such as HL7, FHIR, and custom APIs. The result? Solutions are time- and resource-intensive to implement, and they may not work as well as providers hope.

The problem



The Qventus platform enables health systems to automate care operations.

In the inpatient setting, it helps care teams move key discharge planning decisions upstream, helping them anticipate issues earlier and providing more lead time for resolution. Each day, care teams need to establish and update patients' discharge plans, but critical information is scattered and buried in the EHR. Without accurate and reliable discharge plans, teams end up chasing orders and logistics through the day of discharge. Qventus uses artificial intelligence to predict discharge dates, dispositions, and barriers to discharge early in the patient's stay. Furthermore, it drives automated workflows and uses machine learning to resolve barriers, such as prioritizing orders for ancillary services teams.

“As a result, patients can sit in an emergency room for hours waiting for tests to be performed and for the attending physician to find out the results so they can take further action.”

— Jeremy Coleman, Sr Integration Manager

Its predictions and automated workflows depend on access to real-time data from EHR systems. Unfortunately, existing methods of data extraction, including HL7, FHIR and custom report writing, can be inflexible, difficult to use, prone to data gaps, and reliant on scarce technical support. To make matters worse, the lack of data access standards from hospital to hospital means Qventus must devote more resources to getting their core product to work in each individual setting.

For companies like Qventus, the shortcomings of EHR systems and data extraction methods limit the overall effectiveness of their product. The result is hospitals waiting longer to reap the product's benefits. These limitations also produce a less-flexible development environment, making it difficult and time-consuming to respond to evolving customer needs.

Key achievements

By switching to VennU to access data for its patient flow automation application, Qventus:

- Shortened innovation and implementation time for its products.
- Improved the predictability of its product's baseline value proposition, making it easier to meet and exceed hospitals' and practitioners' expectations.
- Reduced the labor, software and hardware resources needed from hospital IT departments.

The solution



Medcurio's VennU data access platform provides real-time access to all approved EHR data. Its granular-level control eliminates gaps and bloat, allowing Qventus to view and choose precisely the data it needs and automatically create APIs without the need to write a line of code. As a result, Qventus was able to easily get its solution working more rapidly, without waiting for scarce hospital IT resources.

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And because VennU allows Qventus to explore data and make changes to its APIs within minutes, developers are free to rapidly innovate and provide more value its customers. For example, they might decide to monitor the status of diet orders in addition to lab and radiology orders. Qventus can readily use VennU to update existing APIs or create and deploy new APIs, making it relatively quick and easy to add new features to their existing solution.

The results



With a solution built on VennU, Qventus reduces length of stay while making it easier for care teams to effectively plan for discharge. Patients spend less unnecessary time in the hospital, and health systems can create functional capacity and generate tens of millions of dollars in financial value each year — without adding staff.

A better platform for flexible and speedy innovation means no more ad-hoc solutions to code around data problems. Qventus can develop and implement its solutions quickly, offer predictable value to its customers and redirect technical talent to focus on product innovation instead of product implementation and maintenance.

“With a solution built on VennU, Qventus provides physicians with a real-time view of their patients’ status, allowing them to minimize wait times and intervene when results are ready.”

— Jeremy Coleman, Sr Integration Manager

From the hospital's point of view, VennU eliminates most of the demand for healthcare IT resources, reducing the time required for a typical implementation from about 300 hours across 6 different roles to about 4 hours across 2 different roles. It also eliminates any need for IT resources when there are updates to existing solutions. At the same time, hospital systems maintain full control over data security approvals. The bottom line for providers: they gain substantially more predictable value, at a lower cost, with a high level of security control.

VennU benefits

- **Real-time data**

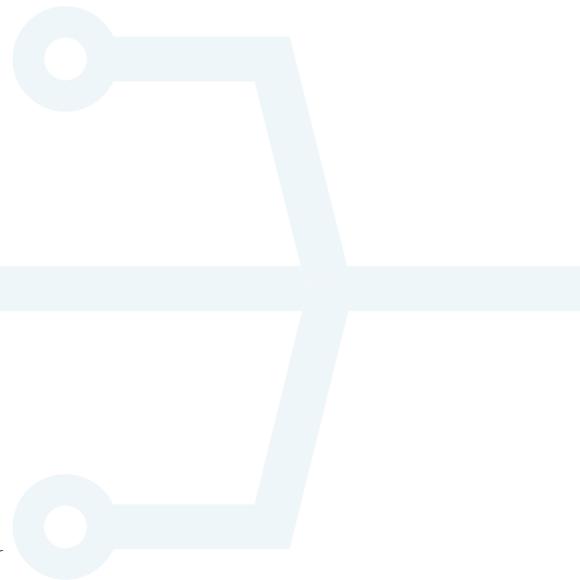
Get on-demand access to the data currently locked in the EHR, so you can use it when and how you need it.

- **Codeless APIs**

Retrieve all the data you need without writing a line of code, saving development time and cost.

- **Solve problems faster**

Shorten the development cycle and focus on what really matters — from improving your process to unleashing innovation.



Learn more about what VennU can do for you



MEDCURIO

Telephone: 510-210-9750
info@medcurio.com
medcurio.com