

A large midwestern Academic Medical Center + Qventus: Strategically increase surgical growth and optimize utilization of da Vinci assets

KEY RESULTS


15X

ROI across all live sites


391

cases booked / month at AMC


1,368

hours of OR capacity created
per month across all sites

\$18.3M

annualized contribution
margin at AMC

39 hours

per month released via non-dv
nudges across all sites

About the health system

As part of an integrated healthcare system serving several communities, this Midwest Academic Medical Center has built a reputation for superior quality, academic excellence, scientific discovery, and patient safety. Since its founding, leaders have focused on delivering world-class care, and the system has been nationally ranked on the *U.S. News & World Report* Honor Roll for over a decade.



THE CHALLENGE

Existing solution not effectively driving surgical growth

The AMC had maximized their EHR features and invested in LeanTaas' iQueue product in an attempt to drive surgical growth and optimize their entire perioperative scheduling process. After a couple of years with the solution, they were not seeing their desired results, so they turned to Qventus.



THE GOALS

Boosting access and utilization to unlock surgical growth

This health center selected Qventus to focus on three key goals:

1. Increase OR access
2. Improve da Vinci asset utilization
3. Generate strategic surgical growth



THE SOLUTION

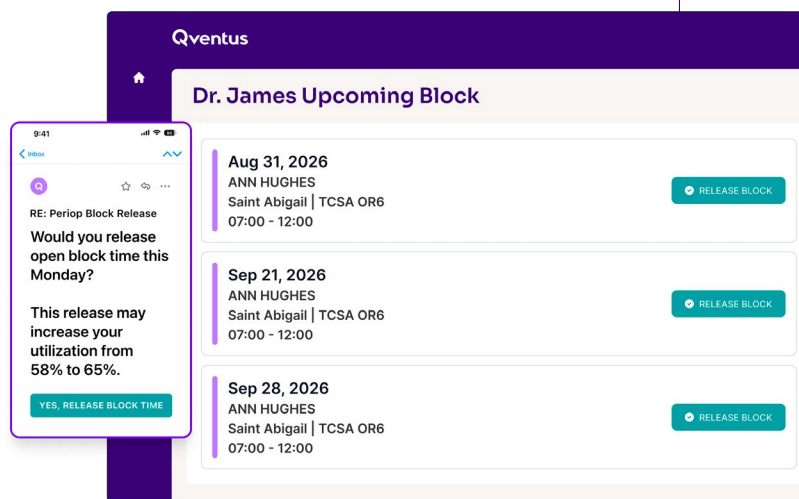
Optimizing OR scheduling to add the cases that matter most

Hospital leaders selected the Qventus Surgical Growth Solution to put the right cases in the right rooms at the right time, while also reducing unreleased and unused block time to optimize every minute of their ORs.

Since going live with the Surgical Growth Solution, the AMC has seen an average of 391 cases added per month and an average of 578 hours per month reclaimed through block release.

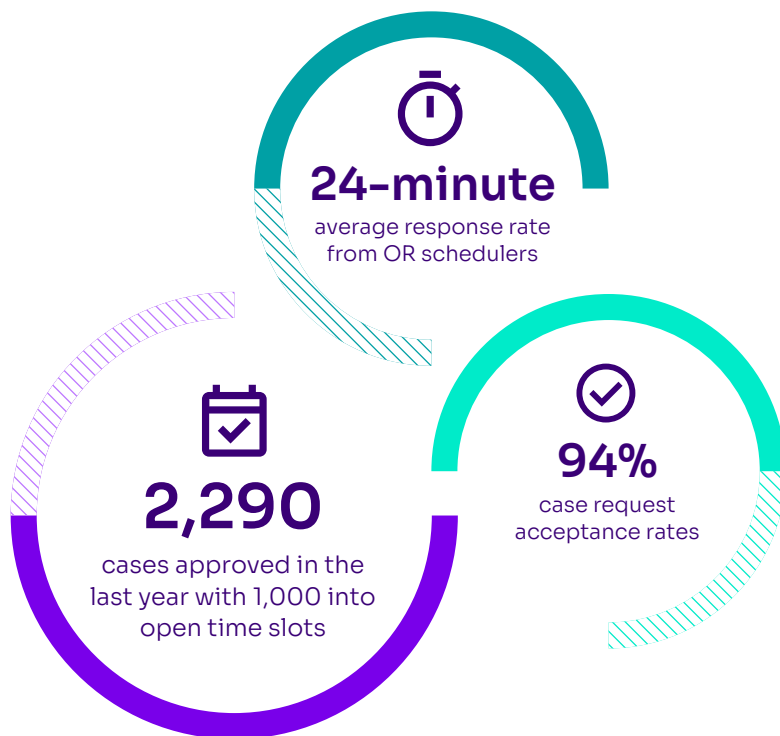
The Surgical Growth Solution goes beyond simply increasing OR availability. Rather, it uses AI and machine learning to proactively fill ORs with the cases that matter most—delivering over 15X ROI for the client.

Our cutting-edge machine learning algorithms are dynamically personalized to your surgeons' preferences, intelligently matching open OR slots to the best-fit surgeons and eliminating first-come, first-served inefficiencies. Our solution optimizes every moment in your ORs—releasing block time down to the hour, maximizing robotic access and utilization, and even shaping surgical demand with our strategic control panel—all to ensure your white space is used the way you intended.

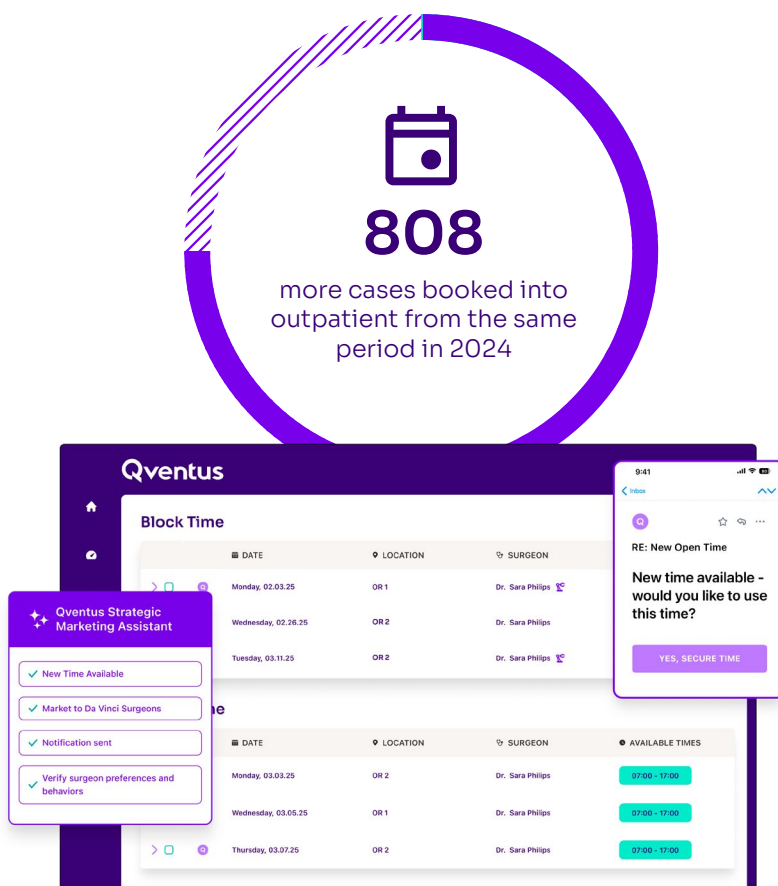


Key features of the Qventus Surgical Growth Solution leveraged by this Midwest Academic Medical Center include:

- **Capacity Assistant:** Proactively engages surgeons and schedulers to incentivize block release weeks in advance of auto-release. Qventus ML models predict with high confidence which partial or full blocks are unlikely to be used up to a month in advance and send schedulers timely and actionable emails to release those blocks, ultimately helping to increase their utilization scores.
- **Clinic Scheduler Assistant:** Surgeons and their schedulers can view relevant OR time in seconds in an intuitive interface without having to log in to the EHR. Qventus algorithms intelligently predict the wheels-in to wheels-out case length based on the surgeons' past performance, CLE trends at the surgeon and department level, time of day, and more, allowing the prioritizing and requesting of available surgical slots.



- **Strategic Marketing Assistant:** Automatically markets time to surgeons who are the best fit based on practice patterns, past booking behavior, case mix, average case lengths, and more, removing the burden on schedulers of manually calling to fill time. Qventus AI and ML models continuously calculate a fit score for all surgeons for all available open time and prioritize the health system's strategic objectives, such as growing targeted service lines or improving robotic utilization.
- **Robotics Assistant:** Integrated into your EHR, our team of AI assistants work 24/7 in the background to ensure every moment of your robotics capacity is used as intended. Assistants automatically remove non-robotics cases from robotic rooms, and preferentially market white space to da Vinci surgeons for procedures that are aligned with your strategic growth goals.
- **Site of Care Optimization:** Site of Care Optimization enhances operational efficiency of your main operating rooms by helping your organization strategically place lower acuity cases and procedures to your outpatient ASCs. By shifting cases to your ASCs, you'll gain optimal availability in your main ORs for more complex and higher acuity patients as needed, ensuring optimal patient and growth outcomes.



"I really do think Qventus has improved our perioperative scheduling by leaps and bounds compared to LeanTaas, which we had prior to Qventus going live."

Steve, Central Scheduling

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

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