



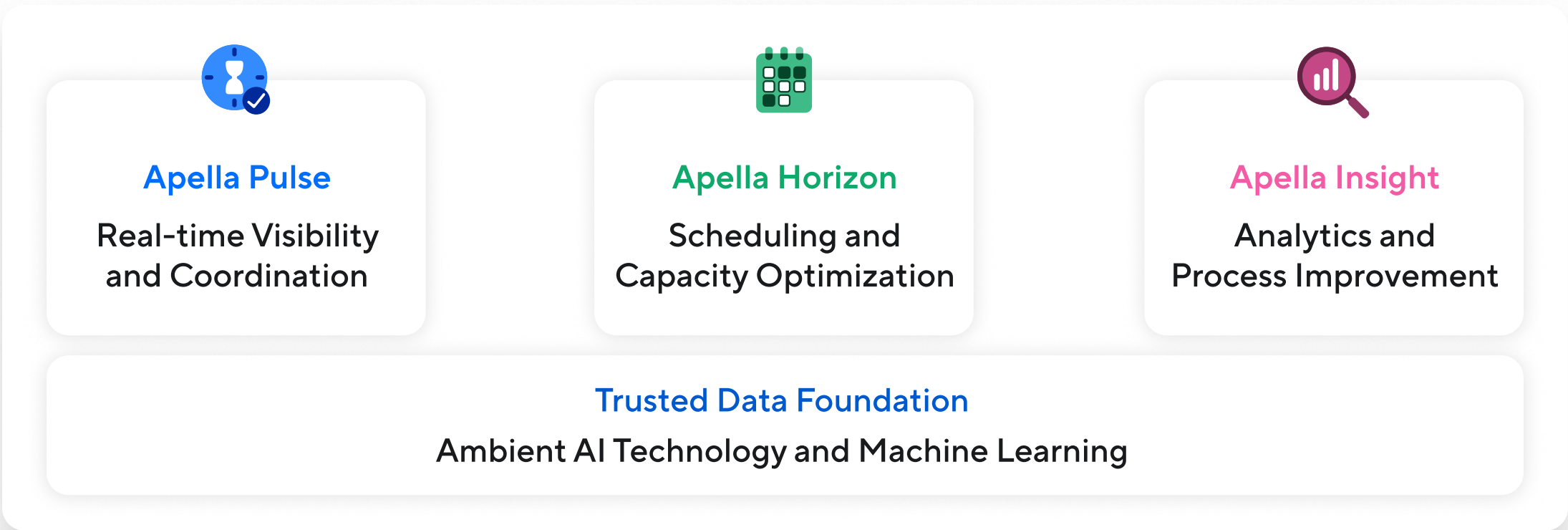
Apella.io

Technology Overview

Apella OR optimization starts with trusted data

OR optimization with Apella

Apella is the first OR management platform to unite real-time day-of coordination, scheduling, and performance analytics in a single connected system. For the first time, the same trusted intelligence that keeps your surgeries on track today can also power tomorrow’s schedule and guide long-term performance improvement.



A trusted data foundation

In most hospitals, perioperative teams still rely on incomplete data that is manually entered into the EHR — a system designed for billing, not the realities of day-to-day OR operations. Apella closes that gap with a granular, objective record of what actually happens in the OR, integrated with your EHR data.

Ambient sensing

Four cameras per OR passively detect 14 intraoperative events to generate a complete, objective timeline for every case.

Automated documentation

Data can be written back to the EHR in real time, freeing staff from manual entry.

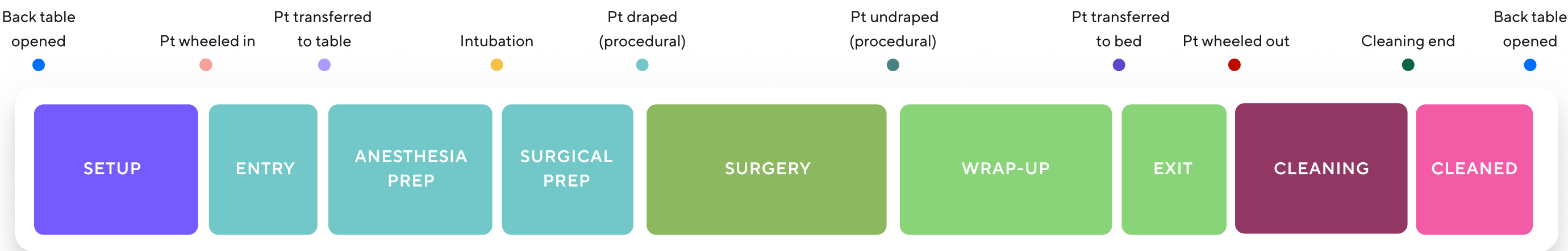
Predictive analytics

Proprietary machine learning models combine Apella-detected events with EHR data to generate context-aware predictions.

Actionable insights

Real-time updates and predictions are shared directly with perioperative teams, enabling faster decisions, better collaboration, and consistent performance.

The result is a trusted, end-to-end view of surgical operations that empowers hospitals to drive efficiency and build lasting confidence across their perioperative teams.



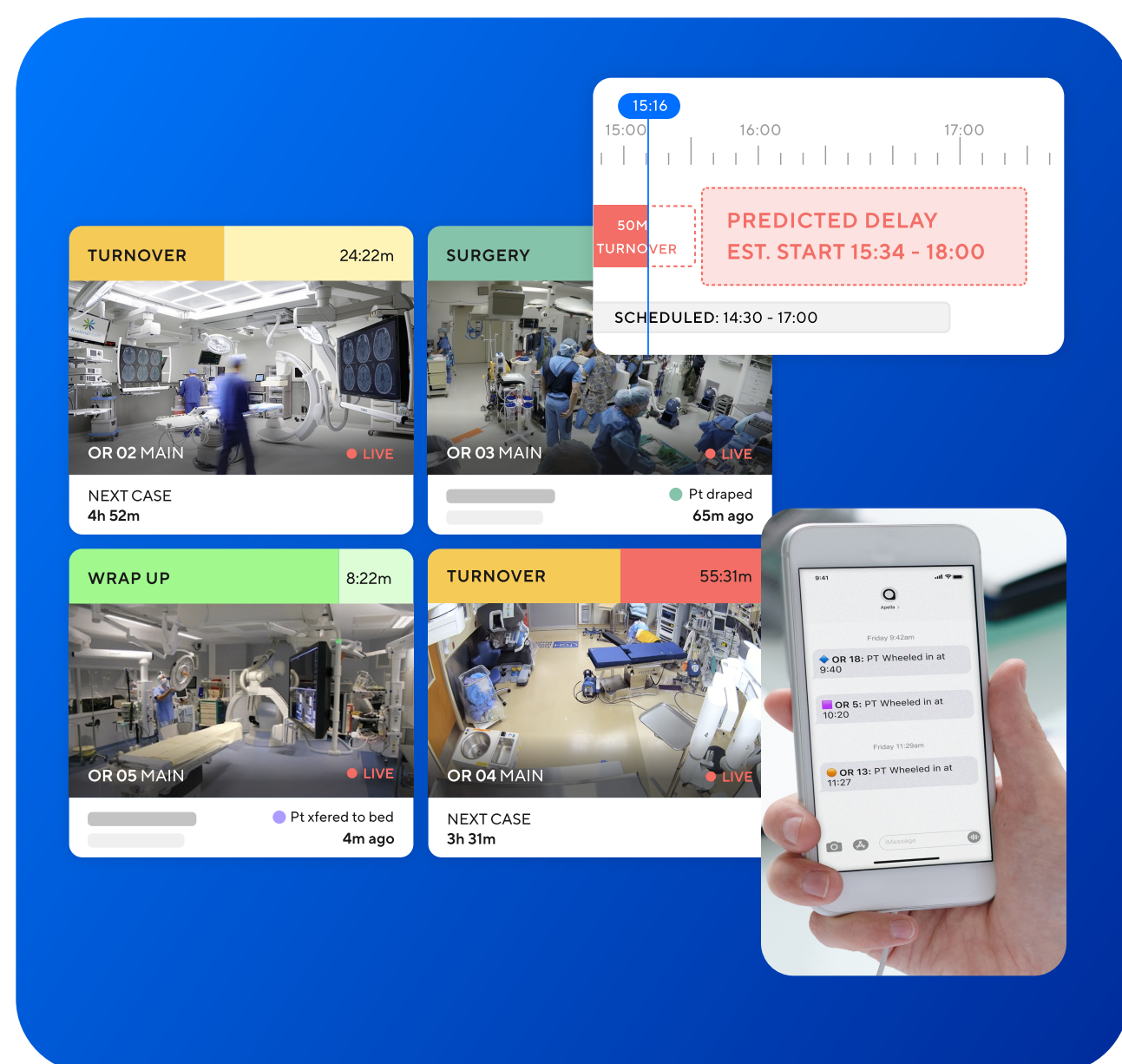
Contact us at [apella.io](https://www.apella.io) for more information or to schedule a demo.



Apella Pulse

Real-time visibility and coordination

Prevent OR delays with real-time visibility and predictions that keep surgeons and staff in sync and on track.



Visibility

Replace static schedules with a real-time view staff can trust

- **Live Video Gallery** for charge nurses to track case and turnover progress, at a glance
- **Real-Time Schedule** provides a side-by-side comparison of scheduled (in EHR) vs. actual (Apella sensor data)
- **Case and Turnover Time Predictions** are dynamically updated throughout the day



Communication

Automated, real-time communication that keeps teams aligned without manual effort

- **SMS Notifications** keep surgeons and staff informed automatically
- **Mobile and Desktop** views provide staff with flexible access
- **Real-Time Touchscreen Board** for centralized staff visibility



1 min

Apella's ambient sensors detects "wheels out" in 1 minutes, compared to **20 min with EHR**



10%

Increase in case volume per month



28%

Reduction in overtime minutes



Coordination

Smarter day-of surgical planning and safer staff transitions, powered by predictive data

- **Curated Pre-Op and Post-Op Schedule Views** with continuously updated case-start and case-end predictions
- **Pre-Op and Post-Op Location Planning** to keep teams prepared
- **Day-of Staffing** tools with up-to-date insights

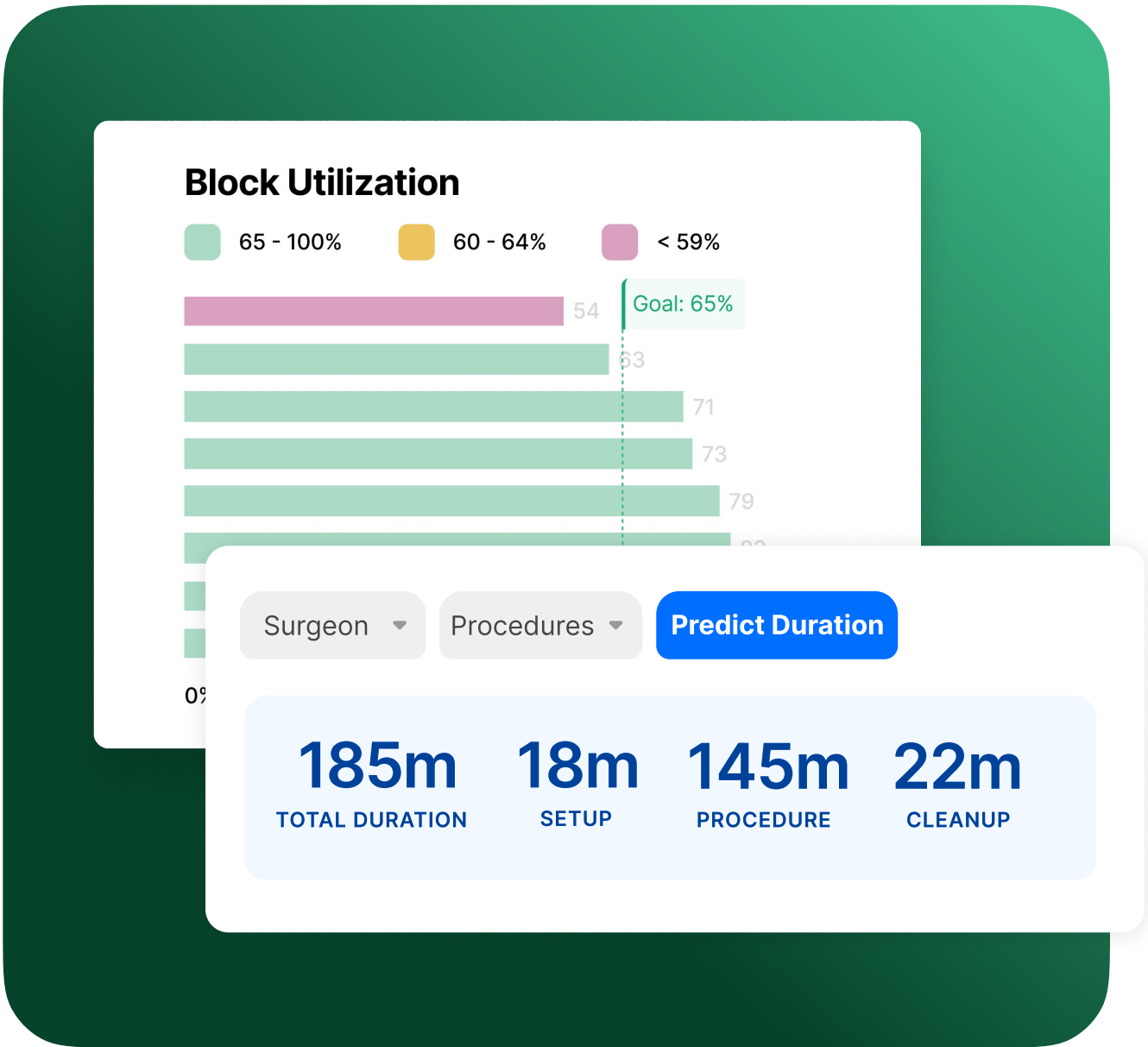
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Apella Horizon

Scheduling and capacity optimization

Maximize every available OR minute with precise scheduling forecasts, block utilization, and open time optimization.



Improve schedule accuracy

Start the day with a schedule that reflects reality, with less unplanned idle time or delays

- **Case Duration** predicts procedure and turnover lengths with high accuracy, even for complex or multi-procedure cases
- **Flagged Cases** surface high-impact over- or under-scheduled cases for proactive review using predictive models



Optimize block utilization

See block usage in real time, spot underutilized time, and make reallocation decisions with data everyone trusts

- **Block Utilization** provides instant access to block usage and utilization metrics to guide allocation decisions
- Proactively identify underutilized blocks with enough time to take action, instead of waiting for end-of-month reports



24%

Improvement in schedule accuracy vs. leading EHR



56 hours

Identified capacity per week through block analysis



69 min

Reduction in unplanned late time per OR on days flagged for underscheduled cases



Fill unused time efficiently

Streamline filling open OR time so ORs run at full capacity without the manual back-and-forth

- **Time Boost** detects high-value open slots and automates outreach to the right surgeons and clinic schedulers
- Simplify identifying and promoting released or cancelled cases to accelerate case placement

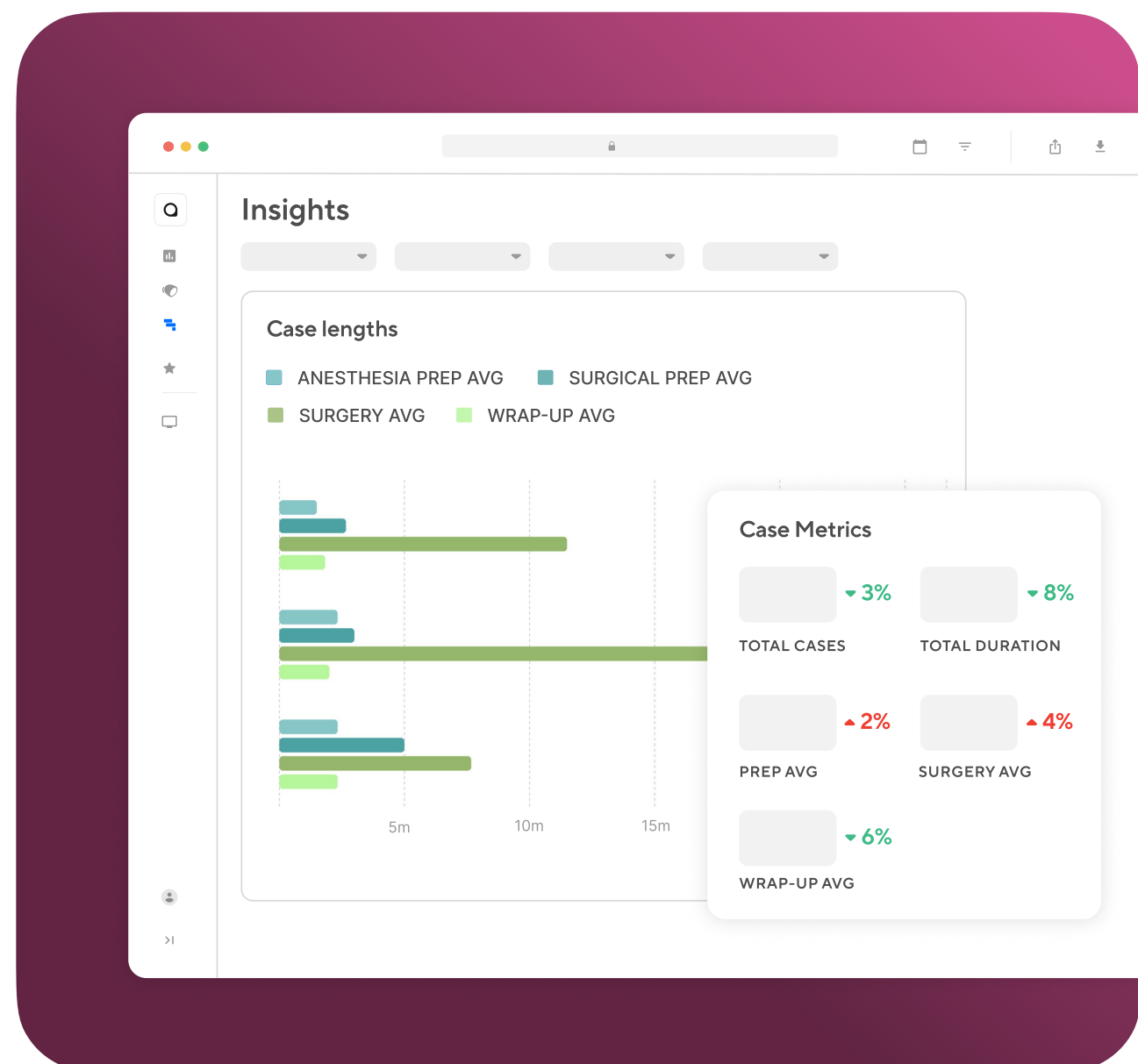
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Apella Insight

Analytics and workflow improvement

Objective, real-time data insights help benchmark performance, uncover bottlenecks, and drive continuous improvement.



Benchmark performance

Establish an objective baseline across surgical teams, cases, and rooms that's founded in trusted data

- **Metrics and Trends Tracking** for case lengths, turnover times, and on-time starts
- **Custom Reporting and Filtering** by case type, service line, day of week, time of day, and more
- **Custom Phase Analysis** helps track variations in granular sub-phase durations, like patient draped to incision



Analyze workflow inefficiencies

Drill in for faster, clearer answers to where minutes are lost, with event-level review and ground-truth insights

- **Case and Turnover Video Review** to pinpoint best practices and process improvement opportunities
- **Detailed Surgical Event Timelines** with exact timestamps provide easy access to key moments
- **Occupancy and Flow Trends** to identify bottlenecks and best practices



16%

Reduction in long turnover times for robotic thoracic cases

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Frequently asked questions

How does Apella differ from other OR optimization tools?

Apella uses computer vision to capture ground-truth observations directly from the OR instead of relying exclusively on manually-entered, hard-to-trust EHR data. Apella's platform brings together tools for day-of coordination, scheduling, and performance analytics in a single, connected system — all powered by the same trusted data foundation.

How does Apella integrate with our existing EHR system?

Apella works alongside your EHR, enriching documented information with objective, real-time OR data captured through computer vision. By integrating ground-truth events with EHR records, Apella's predictive models generate more accurate forecasts and a trusted, end-to-end view of the schedule. Apella also writes key intraoperative events back into your EHR automatically, which eliminates manual entry, ensures records stay complete and accurate, and allows perioperative staff to stay focused on patient care.

How has access to Apella data?

Apella is designed to track workflows, not individuals. Access is provisioned by your organization based on business and clinical need. Data is owned by your organization, and all data is encrypted and transmitted securely, complying with HIPAA standards.

Who is Apella for?

Apella supports the full perioperative team — from nurses to physicians to schedulers — with real-time insights that keep surgical days running smoothly. Here's how different roles benefit from using Apella every day:

OR Leaders

Apella helps OR directors and managers manage OR performance with confidence and lead process improvement initiatives backed by real-time metrics and video insights.

Charge Nurses

Apella enables charge nurses to track all ORs from one view, respond faster to delays, and manage staff proactively — without needing to walk room-to-room or call into the OR.

Surgeons & Anesthesiologists

Long waits, late starts, or miscommunication can throw off a physician's schedule. Apella helps keep days on track by giving physicians real-time updates on pre-op and case prep milestones and staff tools to stay ahead of delays.

Pre-Op & Post-Op

Apella provides pre-op and PACU teams live updates on predicted case-start or case-end timing to reduce surprises and support smooth transitions between departments.

Schedulers

Use Apella's predictive tools to improve scheduling accuracy, optimize OR utilization, and improve coordination across clinics and hospitals.

Turnover Staff

Apella helps staff anticipate long turnovers so they can plan ahead and provide the right support to keep schedules on track.

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