The Intelligent Perioperative Suite

Powering the Core of the Hospital
A Perioperative Solution That Gives You Room to Operate

Perioperative care is critical to the health of today’s hospitals. One of the fastest-growing and most resource-intensive areas of the hospital, the operating room, typically accounts for:

- More than 65 percent of hospital margins and costs
- 35 percent of all inpatient admissions
- One-third of all hospital supply costs

In addition to its importance to the financial success of the hospital, the nature of the perioperative environment poses considerable operational and clinical challenges for caregivers, such as documenting the perioperative episode, optimizing patient throughput, and complying with an increasing number of regulations.

Intelligent Application of Core Technology Is Imperative

For hospitals to remain competitive and financially viable, they need to manage perioperative care more efficiently and cost-effectively. This requires a documentation solution that efficiently automates the entire perioperative environment, from scheduling through the PACU, and:

- Offers advanced decision support and analytics that span the continuum of perioperative care
- Delivers high-performance results that help the clinician improve patient care processes, influences the financial health of the hospital and improves surgeon, staff, and family satisfaction
- Seamlessly connects and interoperates with other departments, systems and medical devices
- Helps hospitals painlessly meet or exceed regulatory and certification requirements
- Is proven and leverages industry best practices

In short, today’s hospitals demand an intuitive, integrated solution that can reduce costs, increase efficiency and support clinicians’ quest for improved quality of care.

The Answer Is Optum Clinical Solutions

Optum Clinical Solutions offers proven, end-to-end software solutions that help hospitals transform surgical services into a highly efficient business operation that contributes to the overall health of the hospital. By combining proven technology, best-practice implementations and powerful analytics, the Intelligent Perioperative Suite from Optum Clinical Solutions delivers powerful results that can significantly help hospitals meet their financial, operational and quality goals.
Optum Clinical Solutions unifies all your perioperative business and clinical applications into a single documentation solution that drives process improvements and helps the clinician improve patient care and controls costs. By intelligently applying technology and unifying it across the entire continuum of perioperative care, Optum Clinical Solutions powers the core of the hospital. The Intelligent Perioperative Suite incorporates all the key attributes you need to succeed.

**Advanced Decision Support and Analytics**
We place advanced, yet easy-to-use, decision support and data analysis tools into the hands of your clinical and business users. Since perioperative care is one of the largest cost centers in the hospital and supports its most complex care regimens, these tools play an integral role in reducing expenditures, streamlining care delivery and arming clinicians with information to help them improve patient care.

**Optum Clinical Solutions advanced decision support and analytics include:**
- Operational and clinical support built into every perioperative workflow process
- Generation of preop diagnostic testing, consults and patient-specific teaching instructions
- Dynamic patient and case tracking that lets you better plan and mobilize resources
- Automatic clinician defined rules-based notifications
- Tracking and analysis of key performance indicators

**High Performance**
Optum Clinical Solutions high-performance solutions transform huge volumes of perioperative data into knowledge for effective decision-making. The system not only helps drive quality care but also delivers business benefits by accelerating billing and cutting costs.

**You can count on the Intelligent Perioperative Suite to:**
- Proactively push timely information to clinicians to help them improve patient care
- Optimize schedules and improve capacity planning and utilization
- Streamline workflow and reduce redundancies
- Deliver consistent clinical documentation that meets hospital and regulatory standards

**Connected**
Optum Clinical Solutions delivers the complete interoperability you need to transform perioperative care to a more process- and business-oriented environment. Essential information is exchanged across the entire perioperative enterprise, as well as with other hospital systems.

**System connectivity and interoperability capabilities include:**
- Fully integrated applications
- Workflow management, tailored for your facility, that integrates the entire continuum of care
- Direct connectivity with medical devices for improved documentation accuracy and efficiency
- Proven interoperability with all major electronic health records (EHRs)
Certified for Meaningful Use
Optum Clinical Solutions perioperative and critical care products have received federal meaningful use certification as Electronic Health Record Modules by the Office of the National Coordinator (ONC) for Health Information Technology. Compliant with the functionality, interoperability and security criteria established by the ONC, our perioperative solutions help hospitals qualify for federal government incentive funding under the Health Information Technology for Economic and Clinical Health (HITECH) Act, part of the American Recovery and Reinvestment Act (ARRA) of 2009.

We can also help you improve regulatory compliance and meet standards set by regulatory groups such as:

- The Surgical Care Improvement Project
- The Physicians Quality Reporting Initiative
- The Joint Commission
- The Center for Medicare and Medicaid Services

Experienced
We know the OR. With nearly 20 years experience and implementations in hospitals worldwide, Optum Clinical Solutions is a market leader in perioperative automation. Our systems are proven in hospitals of all sizes and types — including academic medical centers, hospital networks, community and specialty hospitals, and government health systems. This depth and breadth of experience has been instrumental in developing sustainable solutions that drive measurable results.

You can rely on Optum Clinical Solutions to deliver proven solutions that leverage:

- Documentation and quality reporting driven by customer best practices
- A team of experienced clinicians and peer-to-peer physician guidance
- A dedicated support staff that is evaluated monthly to ensure that we achieve and maintain top customer satisfaction

“Our focus was to implement a system that supports the highest level of clinical care while also offering the flexibility to accommodate the inclusion of quality metrics, cost analysis, automated reporting, research, and a positive impact on ROI. The flexibility of the Optum program has allowed us to standardize our processes across the health system. Significant efficiencies in our billing, reporting, documentation of key quality indicators, and communication have been achieved using the Optum system.”

— John Craker, Chief CRNA, University Hospitals, Cleveland, OH
Part of the Optum Clinical Solutions family of high-acuity solutions, the Intelligent Perioperative Suite delivers comprehensive perioperative automation today.

**PreOptimize**
Optum PreOptimize™ streamlines the entire preop process, applying clinical decision support to the patient’s medical history and generating patient / case specific teaching instructions, diagnostic testing and consult recommendations and a customized set of administrative tasks that need to be completed prior to and on the day of surgery. PreOptimize includes:

- Intuitive preop patient checklist management
- Automated surgical authorization
- Web-based patient intake portal

**Patient Tracking**
Optum Patient Tracking is an interactive tool that speeds and simplifies the tracking of surgical patients throughout the entire perioperative process. An intelligent tracking system, Patient Tracking promotes a smooth flow of patients through surgery, resulting in increased productivity and improved patient, family and staff satisfaction. Patient Tracking includes:

- Compares each patient’s progress to user-defined critical pathways and checkpoints
- Proactively notifies staff when a patient is behind schedule
- Offers customized big-board displays

**OR Manager**
Optum OR Manager automates your key operating room applications. With proven multifacility capabilities, OR Manager delivers unrivaled functionality, including:

- Comprehensive patient scheduling
- Online nursing documentation
- Preference cards / supply chain management
- Easy tissue management
- Staff credentialing
- Integrated billing

**Anesthesia Manager**
Optum Anesthesia Manager automates the anesthesia record from start to finish. It helps clinicians easily manage large volumes of data while providing a more complete, accurate and legible record. Capabilities include:

- Intraoperative anesthesia care documentation
- Connectivity to medical devices
- Medication interaction checking
- Charge capture and streamlined Professional Fee billing interface
**Anesthesia Insight**

Optum Anesthesia Insight is a decision-support system that works with Optum Anesthesia Manager. Completely configurable with clinician-defined criteria, it pushes information to clinicians when and where they need it. It features:

- A natural language interface for defining clinical rules
- A powerful rules processor with automatic notifications that support patient decisions

**PACU Manager**

Optum PACU Manager manages post anesthesia documentation. The system's powerful capabilities reduce charting time and improve record accuracy, legibility and availability. PACU Manager:

- Automates postoperative clinical documentation
- Provides data correlation and visibility to fluids and medications
- Automatically captures physiologic data from medical devices

**Perioperative Reporting and Analytics Solutions**

Optum provides powerful business intelligence tools that transform the volumes of rich data collected by our integrated perioperative applications into the business, operational and medical knowledge needed to make informed strategic and tactical decisions. Designed for clinicians and business users, our reporting and advanced data analysis tools are intuitive and easy to learn and include:

- OR Intelligence
- Anesthesia Intelligence
- Perioperative Dashboard
- Quality Reporting Portal
- Operational report library

"Optum Clinical Solutions was the only vendor that could deliver on all our objectives and provide the necessary integration with our other hospital information systems."

— Robin Grace, RN
Director of Surgical Services
Cape Cod Healthcare

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The Intelligent Perioperative Suite
Scheduling
The power of Optum Clinical Solutions begins with surgical scheduling that is intuitive and powerful and that easily accommodates multiple facilities. Appointments can be remotely scheduled while the patient is in the physician’s office. This saves time, eliminates confusion, and improves physician and patient satisfaction. In addition, the scheduling system estimates the time required for each case based on actual surgeon-procedure case times. This optimizes operating room usage, increases scheduling accuracy and results in better utilization of expensive resources.

Preop
Once scheduling is complete, the next step in the process is a full preoperative evaluation. Optum Clinical Solutions improves the efficiency of the preop process and helps avoid delays and unnecessary costs by ensuring that the patient is ready for surgery. Preop history, evaluation and the initial anesthesia plan are completed online. Easy-to-use tools such as customized forms, drop-down lists and checkboxes dramatically reduce documentation time and increase accuracy.

Optum Clinical Solutions also provides near real-time access to demographics and critical assessment information, such as allergies, medical history and surgical history. This valuable information is available to all members of the multidisciplinary evaluation team. This eliminates redundant data entry and improves communications between nursing and anesthesia.

Operating Suite
In addition to providing robust support to the anesthesiologist, Optum Clinical Solutions delivers an integrated operating room information management solution that automates every step of the surgical process. It begins with efficient preference card management and pick lists that ensure that

“...The preoperative nurse and the anesthesiologist no longer need to spend time rewriting patient information that was already obtained through the interview.”

— Lynne MacAllister, CRNC
Senior Director, Clinical Informatics
Southern New Hampshire Medical Center

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Delivering Results Across the Perioperative Care Environment
the OR is properly supplied for each surgery. This proactive supply management, which includes integration with the hospital’s materials management system, increases the accuracy of supplies, charges and inventory control. Once in surgery, automated OR nursing documentation saves time and promotes consistency. Optum Clinical Solutions offers support for AORN SYNTegrity™ Perioperative Nursing Data Set 3 (PNDS).

Optum Clinical Solutions also provides powerful business tools that increase OR efficiency and improve financial performance. The system automatically captures supply use, OR time, procedures and other charges and automatically transmits that data directly to your billing system. This reduces lost charges and speeds billing. In addition, Optum Clinical Solutions tracks the status and locations of patients and resources, and compares their progress to user-defined care paths. Critical checkpoints proactively notify staff to potential delays, allowing them to anticipate problems and make adjustments that improve OR utilization.

**Anesthesia**

Optum Clinical Solutions provides complete documentation support for the anesthesia team on the day of surgery as well. Our automated anesthesia documentation saves time and money and improves record legibility. Through direct connectivity to more than 300 unique medical devices, with no third party involvement, the system automatically displays and documents important patient data. This increases accuracy and gives clinicians more time to care for patients.

Meanwhile, reminders and prompts help ensure that anesthesiologists are complying with standards of care and that information needed for billing is captured.

Optum Clinical Solutions also offers powerful, clinician defined rules-based decision-support functionality that can automatically notify the anesthesiologist of changes in the patient’s heart rate, blood pressure, cardiac output or other clinician-defined criteria. This provides important information to support physician decisions.

**PACU**

Optum Clinical Solutions brings automation from the OR to the PACU, enabling nurses and physicians to better document and manage complex critical-care regimens. Your hospital can establish procedure-based recovery protocols that prompt staff for the necessary assessments, interventions and requirements. This increases compliance with regulatory requirements and minimizes liability exposure.

**Real-time Business Intelligence and Retrospective Analysis and Reporting**

Powerful reporting and business activity monitoring tools provide the precise information needed to improve day-to-day operations and ensure that you meet regulatory requirements. The Optum Perioperative Dashboard provides real-time business activity monitoring. Visual indicators provide up-to-the-minute information on case delays, turnaround time, patient satisfaction and other key measurements.
Physician Adoption Program

Getting your clinical staff on board is critical to the success of any point-of-care system. That’s why clinically practicing anesthesiologists who use the system every day stand ready to provide guidance and support to your physician staff during the implementation of Anesthesia Manager. This includes:

- Workflow guidance to ensure that Anesthesia Manager fully supports practice pattern and physicians’ needs
- Peer-to-peer collaboration and in-OR training
- Documentation audits and compliance recommendations to promote continuous process improvement

The Smart Choice

The Intelligent Perioperative Suite from Optum Clinical Solutions is the right solution to help you successfully navigate the challenges posed by the most critical and resource-intensive areas of your hospital. Optum Clinical Solutions pulls together all the diverse functions of perioperative care into a single solution that helps maximize your financial, clinical documentation and operational performance. Proven in more than 600 hospitals worldwide, the Intelligent Perioperative Suite is the smart choice to power the core of the hospital.

Navigating Perioperative Care Requires a Partner With Know-How

“A physician adoption program is important because anesthesiologists can relate to an equal peer who is working with them or going into the OR with them and helping them through the documentation as they go forward.”

— Gary Friedman, MD
Southern New Hampshire Medical Center

We deliver more than just software — we deliver a complete solution. You can count on us for the exact services and support you need to ensure that your system is right for today and ready for tomorrow.

Professional Services That Maximize Value

Optum Clinical Solutions professional services maximize the value of your perioperative solution by supporting high-quality implementations of our products and by leveraging best practices to drive measurable and sustainable results. We apply insights gained from working with hospitals of all sizes and types to ensure that you realize the greatest value from your technology investment. Our highly skilled clinical, project management and IT personnel employ our Results-Driven Implementation Methodology to streamline the implementation process and make certain that your Optum Clinical Solutions software solution aligns with your strategic performance goals and objectives. We also offer several other value-added services such as the Physician Adoption Program and Clinical Performance Improvement services.

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The Intelligent Perioperative Suite delivers significant features and benefits:

For the Director of Perioperative Services
- Optimizes the use of operating rooms and other facilities
- Reduces costs and helps avoid case delays through integrated supply management
- Notifies you to potential delays and bottlenecks in time to take action
- Improves both physician and patient satisfaction
- Maximizes nursing staff efficiency

For the Anesthesia Chief
- Supports the development and maintenance of regulatory compliant anesthesia records
- Improves staff satisfaction through solutions that follow clinical workflow
- Provides better decision-support tools at the point of care
- Reduces risk and liability because documentation is complete and legible
- Incorporates best practices

For the Chief Information Officer
- Provides proven interoperability with your HIS and other systems
- Offers platform scalability across the enterprise and health system
- Fosters clinician satisfaction because solutions are customized to your hospital’s workflow
- Complies with the latest regulatory requirements, including ARRA meaningful use criteria

Benefits That Span the Organization
About Optum Clinical Solutions

Optum Clinical Solutions—part of Optum, a leading health services business, is a global provider of innovative information solutions that enable rapid and sustained delivery of clinical documentation, financial and operational results in the emergency departments, surgical suites and intensive care units of the hospital. Optum Clinical Solutions offers the most advanced suite of integrated products focused on these life-critical areas of the hospital where the patients are the most vulnerable, the care process is the most complex and an increasing majority of hospital costs and potential revenue are concentrated. Headquartered in Wakefield, Massachusetts, Optum Clinical Solutions has licensed systems for use at more than 2000 hospitals in 21 countries.

For more information about Optum Clinical Solutions, visit www.optum.com