Optum PreOptimize™ is a preoperative clinical decision support solution that helps guide clinicians through better adherence to evidence and consensus-based, and hospital preoperative protocols. PreOptimize also enables patients who are scheduled for surgery the convenience of entering their medical history securely online. As a result, preop workflow can be optimized at the point of care, enabling more timely and complete assessments, avoiding costly surgery delays or cancellations, saving clinical staff time and providing potential cost savings for the hospital.

Research has shown that there are proven benefits to establishing preoperative clinics in hospitals. However, the proliferation of these clinics has been limited, primarily due to operational costs in a time of major belt-tightening. But without the service that these clinics can provide it is harder for hospitals to standardize the preoperative process. Clinicians in turn have greater difficulty adhering to evidence-based, consensus-based and hospital protocols to prepare anesthesia plans in advance of procedures. In short, hospitals run the risk of surgery delays or cancellations, misuse of costly resources, the potential for unnecessary testing and low levels of patient satisfaction.

Key features

- Preoperative clinical decision support
  - Patient-specific diagnostic testing recommendations
  - Patient-specific consult recommendations
  - Patient-specific teaching instructions
- Intuitive preop patient checklist management
- Web-based patient intake portal
- Automated surgical authorization
- Quality measure tracking with Anesthesia Quality Institute (AQI) integration
- Reporting on patient populations and postoperative results
- Patient satisfaction surveys
- Access from mobile devices
Clinical decision support ensures an efficient preop process

PreOptimize streamlines the entire preop process beginning with collection of the patients’ medical history. Once entered via the web-based preop portal, PreOptimize will apply clinical decision support to the patient’s medical history and generate 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. These teaching instructions, testing / consult recommendations and administrative tasks combine to create a complete preop checklist for the patient.

PreOptimize provides a web-based, intuitive tracking board that allows the customer to easily monitor and track the preop checklists for all patients. This approach of using clinical decision support to generate patient / case specific checklists combined with these advanced tools for monitoring all patients’ checklists enable the hospital to make sure all preop tasks are completed in a timely manner, and that key steps are not missed or unnecessary steps / tests performed. This results in fewer day of surgery delays and cancellations while ensuring the most efficient and cost effective preop process possible.

Patient portal helps streamline the patient interview process

With the PreOptimize patient portal available to patients anytime, anywhere via the Internet, the preoperative interview process is easier and less time-consuming for patients. Once procedures are scheduled by the surgeon’s office, patients can enter their medical history securely online in the privacy of their homes, at the surgeon’s office or via a hospital kiosk. Medical history is input using easy to use forms that are configurable by each medical facility. The patient portal also provides an option for patients to save their progress and log back in later to add missing information.

The patient preop portal is an alternative to on-site preoperative interviews, and can save patients time out of work as well as eliminate repetitive interviews down the line because the medical history is stored permanently in one place. Histories will remain available for later review by the medical team, promoting future positive patient experiences with their facility. PreOptimize is compatible with popular web browsers.

Easier submission of surgical authorizations

A surgeon’s office staff typically spends considerable time on the phone following up with insurers to obtain surgery authorizations. Optum PreOptimize provides office staff with native capabilities for submission of these requests. With established links to over 400 carriers nationwide, this service greatly decreases the administrative burden on surgeon’s offices and surgical facilities, and provides a unified process to submit these authorizations.

Focus attention on patients who need it most

With patients entering their information into Optum PreOptimize online, nursing staff can easily review medical histories by logging into the system, where patient information is ready for nursing review. Nurses can now review the patient information, deliver customized patient instructions and optimize their time by filtering out the healthy patients who don’t need an on-site visit before surgery. This frees nursing staff to focus more time on higher risk patients who require more attention, saving valuable staff time per patient.
**Improve patient preparedness for surgery**

Optum PreOptimize generates reports containing patient demographic information and health profiles along with accurate patient-specific teaching instructions, based on evidence and consensus-based guidelines and hospital preop protocol. Patients no longer need to sift through standard forms to see what instructions might apply to them. Instructions are printable upon completion of the preoperative nursing review or easily emailed to the patient with a click of a button.

Instructions take into account the patient’s history, medications and allergies and type of procedure. Medical conditions and medications are mapped and maintained discretely with triggers for appropriate patient instructions. The report also contains a Hospital Instructions section where the hospital can place additional information such as customized notes, addresses and driving directions.

Patient-specific teaching instructions help to improve the patient’s understanding of their preparedness for surgery, helping avoid miscommunication of information that can cause delays or cancellations on the day of surgery.

**Strengthen accuracy and completeness of preoperative assessments**

Optum PreOptimize makes patient preoperative records readily available to anesthesia care providers. Clinicians can view patient profiles, confirm reviews are complete and finish the preoperative assessments quickly and easily at patient bedsides. All information is available on mobile solutions convenient for bedside preoperative assessments (i.e. iPad, iPhone, Droid-based devices) or on any computer with Internet access. Optum PreOptimize facilitates the timely completion of electronic anesthesia preoperative assessments, helping to ensure there are no surprises and cases can proceed without delay on the day of surgery.

**Data available for research and quality purposes**

Discrete data captured as part of preoperative patient records can be mined easily using Optum PreOptimize, enabling clinicians to query the database to report on hospital-specific patient populations. This information is easily formatted for transmission to the Anesthesia Quality Institute (AQI) for benchmarking with other healthcare facilities and contributing to ongoing research. Optum PreOptimize also enables clinicians to document postoperative quality measures that are configurable for each facility, enabling the capture and reporting of hospital-specific quality measures.

**Fully integrate the patient record across the perioperative continuum of care**

Preoperative patient information collected through Optum PreOptimize is seamlessly made available to the operating room (OR) team and is fully integrated with the perioperative record and stored permanently for future repeat visits.
**Benefits**

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<th>Patients</th>
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<tr>
<td>• Convenient web-based entry of medical history, anytime and anywhere</td>
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<td>• Alternative to on-site interviews, less time out of work for the patient</td>
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<td>• Simple, easy to understand patient-specific instructions</td>
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<th>Preop nursing staff</th>
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<td>• Less administrative time recording answers, more time for evaluating patients</td>
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<td>• Streamlines the patient intake process. Shaves minutes per case</td>
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<th>Anesthesia care providers</th>
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<tr>
<td>• Generates patient-specific diagnostic testing / consult recommendations from evidence and consensus-based and hospital preop protocols to help guide clinicians with better adherence to protocols resulting in potential cost savings</td>
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<td>• Consolidates patient preop information for a complete patient picture</td>
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<td>• Captures discrete data for quality purposes</td>
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<td>• Fully integrates the patient record across the perioperative continuum of care</td>
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**Summary**

Optum PreOptimize helps preoperative nursing staff focus on their patients with less time spent doing data entry. Patient interview times can be dramatically reduced, and patients benefit from reduced repetitive, multiple in-person or phone-based interviews.

Optum PreOptimize improves the accuracy and completeness of the preop workflow and documentation and also captures discrete data for quality purposes. The system keeps the patient/nurse/physician information flow intact so that the anesthesia provider has a patient’s complete picture prior to surgery, and the procedure can occur on time without causing delays or cancellations as a result of not having a complete preoperative assessment.

**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](http://www.optum.com)