



Picis Analytics and Reporting Solutions

Simplified Analytics and Reporting Throughout the Intelligent Perioperative Suite

Picis is a part of **OptumInsight**





Timely, actionable information to power the core of the hospital

Hospitals worldwide leverage Picis analytics and reporting solutions to transform the business of perioperative care and improve clinical documentation and financial and operational results. A comprehensive business intelligence environment is tantamount to arming perioperative administrators and clinicians with timely information and analysis to help them justify their decisions and make improvements to operational performance and clinical quality, including:

- **Operational reports** for front-line staff to manage day-to-day and week-to-week operations
- **Graphical dashboards** help clinicians and administrators manage by exception by displaying real-time actionable business intelligence
- **Business intelligence** helps managers understand trends and root causes by drilling into the exceptions in the data
- **Quality reporting** for quality auditors to automatically mine and aggregate patient charts for Meaningful Use, Surgical Care Improvement Project (SCIP), Physician Quality Reporting Initiative (PQRI) and other Joint Commission measures

Reporting as a change agent with the Intelligent Perioperative Suite

Picis perioperative solutions collect volumes of rich, discrete data almost every minute of every day across the continuum of care. The challenge is to transform this plethora of data into the business, operational and medical knowledge needed to help clinicians make the best strategic and operational decisions possible. Timely, accurate and reliable analytics and reporting solutions from Picis help hospitals and clinicians to improve care quality as well as the efficiency of business operations.

Deliver high-value information via role-based reporting

The diverse information needs of stakeholders throughout the hospital require diverse views of shared information, and Picis accomplishes this through powerful and flexible analysis and reporting capabilities that allow organizations to tailor reporting needs according to user roles.

While clinicians need fast access to clinical information, administrative users and analysts need the flexibility to analyze aggregate information to identify trends and optimize operational efficiencies. Understanding the information needs of these different user communities is essential to delivering the reporting capabilities these users need to perform their jobs well.

While all users need secure access to data stored in perioperative applications, their information needs, skillsets and focus areas vary dramatically. While an OR staff nurse may be focused on what's going on right now, the OR director must continuously analyze the business aspects of the operating room, including supply inventories, staffing and facility utilization. The chief of anesthesia may need to track staff utilization and clinical quality, and all department directors must carefully monitor daily reports to ensure that all services and supplies are captured for accurate billing purposes.

Business users require periodic reports to monitor the financial health of the organization, document compliance, review quality indicators and continuously optimize organizational efficiencies. Quality officers must collect and review regulatory compliance measures, combining them with those from the other departments in the hospital. No hospital has the luxury of spending a significant amount of time training users on multiple reporting tools so that they can create custom reports.



Easy access to configurable reports

The traditional reliance on centralized IT for reporting often results in delays and inefficiencies, and does not provide the timely information needed at the point of care. Hospitals therefore need out-of-the-box reports for front-line staff to manage operations, and visual dashboards displaying relevant and timely patient information. Hospitals also need business intelligence so managers can understand trends and gain insights into root causes, and they need the flexibility to query and aggregate patient charts to generate meaningful quality reports.

Role-based data access and analysis

Healthcare reporting is not just about presenting data and graphs; it's about providing high-value information to the right users based on their roles in the organization to support informed decision-making. Picis knows the business of the OR through experience implementing OR solutions in more than 600 hospitals. With a large team of clinicians providing peer-to-peer physician guidance, Picis has developed documentation and quality reporting driven from customer best practices.

Operational reporting

As the financial engine of the hospital — with over 65% of the margin and more than one third of the hospital supply costs — the OR suite presents many unique opportunities to streamline care delivery, reduce expenditures and help improve clinical outcomes. Clinicians and business users need to be able to get information from perioperative software applications quickly — without requiring intensive training or technical assistance. Picis applications provide standard reports that can be run as needed, including:

- Daily schedule
- Case record
- Medication reconciliation
- Scheduled pre-admission testing exception report
- Cardiac and nausea risk assessment compliance
- Preop work queue
- Anesthesia case time
- Anesthesia professional fee billing report
- PACU returns to the OR
- Discharge disposition from PACU
- Critical care length of stay
- Patient transfer summary
- Discharge report

But standard reports alone are not enough; hospitals also need the ability to create their own reports. That's why integrated support for SAP® Crystal Reports® is provided directly from the Picis application menus.

In addition, point-and-click query tools embedded within Picis perioperative solutions allow non-technical users to quickly create ad hoc reports and lists without having to learn how to use a report writer. For example, nurses and physicians can create customized reports and easily export data into off-the-shelf products, such as Microsoft® Excel®.

“With the Picis Perioperative Dashboard, we have sustained an increase in on-time first case starts from 38% to 85% for 18 months. Our average turnaround time has also decreased from 52 minutes to 42 minutes and we have significantly improved staff satisfaction.”

— Janet Burke
OR systems manager
Lahey Clinic Medical Center

Manage by exception with business activity monitoring

Leveraging data across the Picis perioperative applications, **Picis Perioperative Dashboard** offers visual indicators to quickly identify problems going on right now, the repercussions of those problems and what can be done about them. The dashboard indicators cover key aspects of perioperative management, including throughput, quality, documentation completeness, billing readiness and anesthesia concurrency, and the indicators also provide more detailed “hover over” and drill-down information.

Leverage configurable views to improve communication among the perioperative teams

With Picis Perioperative Dashboard, users can create a personal dashboard showing the indicators they want to see, where they want to see them. As processes improve, users can change the indicators they wish to see displayed, increasing visibility to the business or quality measures under focus. Hospitals can also configure public dashboards on a big screen to facilitate communication among perioperative teams.

Anticipate problems with visual indicators

The intuitive, web-based interface highlights outliers, allowing clinicians to manage by exception. The system enables perioperative teams to anticipate the impact of problems as they arise with visual indicators representing delays, add-on cases, PACU throughput, care initiative compliance, billing readiness and other perioperative efficiency metrics.

Drill down for more detail

Users can click on an indicator to drill down for more detail. For example, a user can click on the scrolling ticker to see the:

- Scheduled start time
- Actual start time
- Scheduled end time
- Projected actual end time
- Surgeon of the to-follow case

Easy to use, easy to deploy

Users access Picis Perioperative Dashboard through Microsoft Internet Explorer®. Since there is no client software, this web-native tool requires minimal IT resources, simplifying usability while lowering its total cost of ownership.



Picis Perioperative Dashboard offers business activity monitoring in a visual dashboard display.

Retrospective analysis

Picis provides powerful, web-based analysis so that users can slice-and-dice perioperative data to monitor key performance indicators, review variances, determine trends and evaluate everything from physician performance to OR suite utilization.

Department heads can stop speculating and defend decisions with confidence and real numbers, and leverage report libraries and integration with Microsoft Office. To avoid any performance impact on the live system, the wealth of data is extracted nightly into a separate data mart that is optimized for analysis.

Picis Extelligence® MyView enables users to see key perioperative information in a graphical format. Reports and analytics can be accessed directly from the login screen, and all analytics are easily accessible from a single dashboard-style view. This customized view assures that key data needed to efficiently manage the perioperative environment is always available in a single, configurable web page, helping users to quickly implement practice changes and adhere to reporting requirements.

Picis Extelligence® OR provides key performance indicators for the surgical encounter. Perioperative service directors and others can view the truth about OR block utilization; case costs and times; the impact of surgeons, services and procedures; and stock items and implants. Dynamic drilling and filtering let OR leadership see what's going on behind the numbers. Cross-facility analysis is built-in, so users can benchmark and monitor the business performance of different sites.

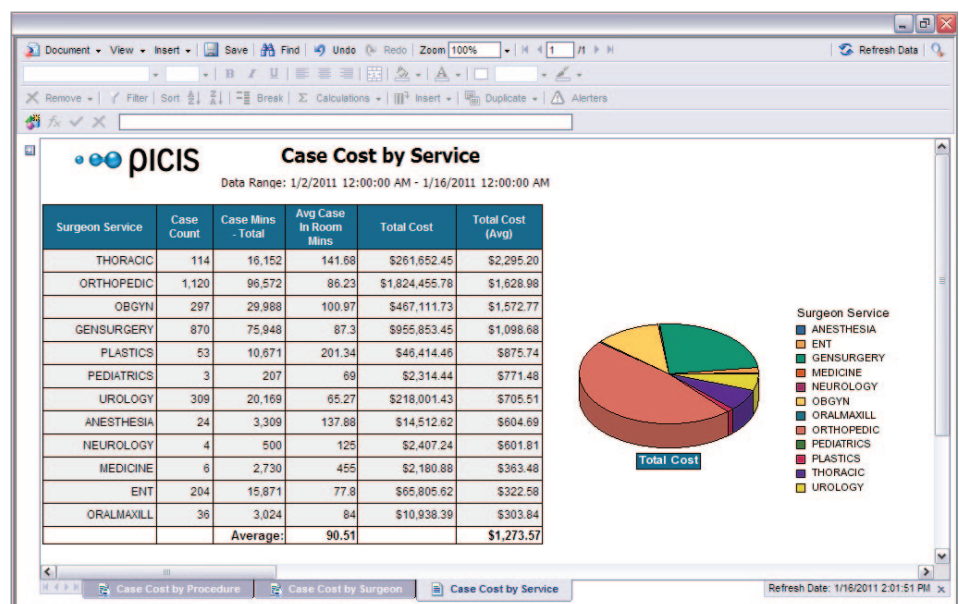
It is easy to identify good practice and areas of potential improvement through the richness of the **Picis OR Manager** data. The Extelligence OR report library assists users in improving efficiency by analyzing block utilization, case costs, surgeon and room utilization, and implants, while also providing access to all the user-defined booking and case record fields.

Picis Extelligence® Anesthesia provides key performance and quality indicators specifically for the anesthesia environment. Anesthesia chiefs and business managers can:

- Track perioperative quality indicators
- Investigate relationships within physiological data
- Analyze productivity and supervision of anesthesia providers
- Evaluate anesthesia case throughput

The Extelligence Anesthesia report library allows hospitals to conduct a complete analysis of anesthesia milestones, medications and fluids, complications, physiologic data, billable hours, supervisory ratios and productivity.

Extelligence OR offers case cost reporting in both tabular and graphical formats.



Regulatory compliance and meaningful use reporting

The **Picis Quality Reporting Portal** automatically collects data from Picis perioperative solutions and provides out of the box reports of quality measures for government and other regulatory agencies.

Reports are generated in a Microsoft Excel format, allowing the quality auditor or other hospital staff to merge Picis data with that from other departments, or to upload the data into a hospital-wide quality reporting system for submission. Current documentation practices are easily mapped to the quality measures, eliminating the burdensome and labor-intensive collection and aggregation of perioperative data. Hospitals can easily demonstrate compliance with meaningful use and other regulatory reporting requirements to optimize hospital reimbursement.

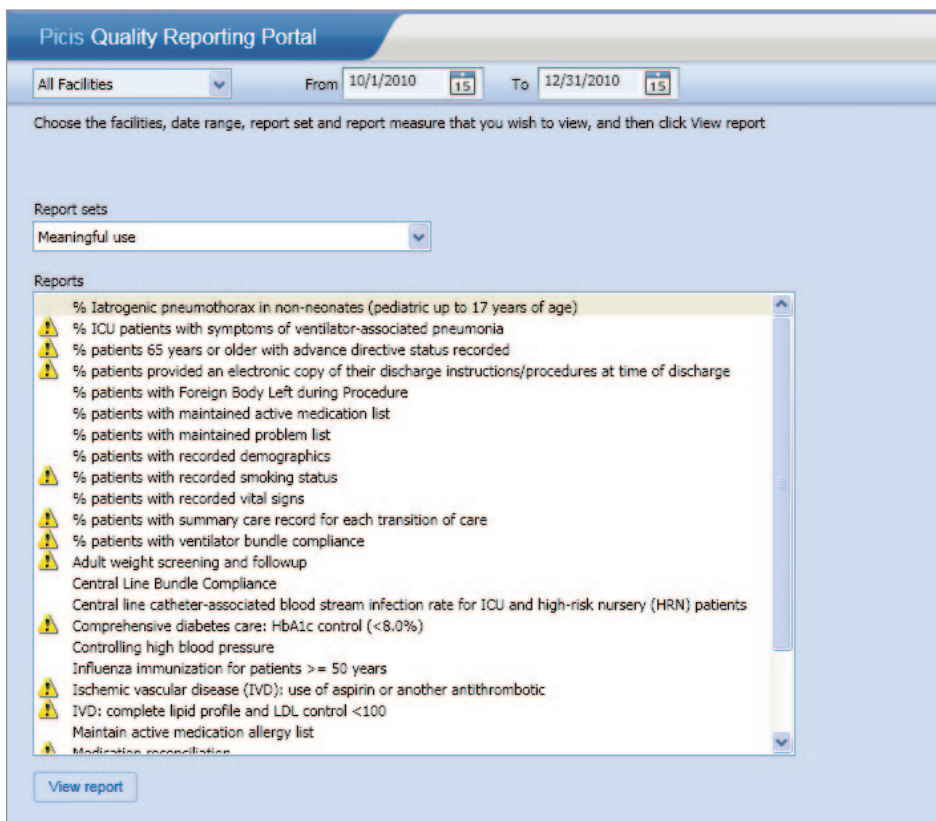
Gain analysis and insight from the Intelligent Perioperative Suite

Picis provides the full continuum of operational reporting, real-time business activity monitoring, retrospective analytics and regulatory reporting needed to power the core of the hospital. These integrated views of information and rigorous analysis capabilities are specifically tailored to the unique needs of various user roles within the hospital to enable greater efficiency.

Implementing a comprehensive business intelligence environment combined with timely access to relevant information about what happened yesterday, what's going on right now and what is planned for next week helps organizations improve perioperative care and achieve operational and financial results to improve the future health of the hospital.

“The biggest benefit of using Extelligence OR has been the user-friendly reporting capability that allows the end users to be able to manipulate the reports on their own to get their data. This has decreased the number of requests to our team.”

— Debbie Schem
manager, perioperative
information systems & billing
New York Hospital Queens



The Quality Reporting Portal provides out of the box perioperative regulatory reporting.

Picis, a subsidiary of OptumInsight—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. Picis 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, Picis has licensed systems for use at more than 2000 hospitals in 19 countries.

For more information about Picis, visit www.picis.com.



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