



useIT in Cath Lab & IR



Benefits



Saves money through:
Expiration tracking, invoice reconciliation & reduced consignment liabilities.



Increases revenue by:
Automating charge capture to reduce lost charge incidents for improved margin performance.



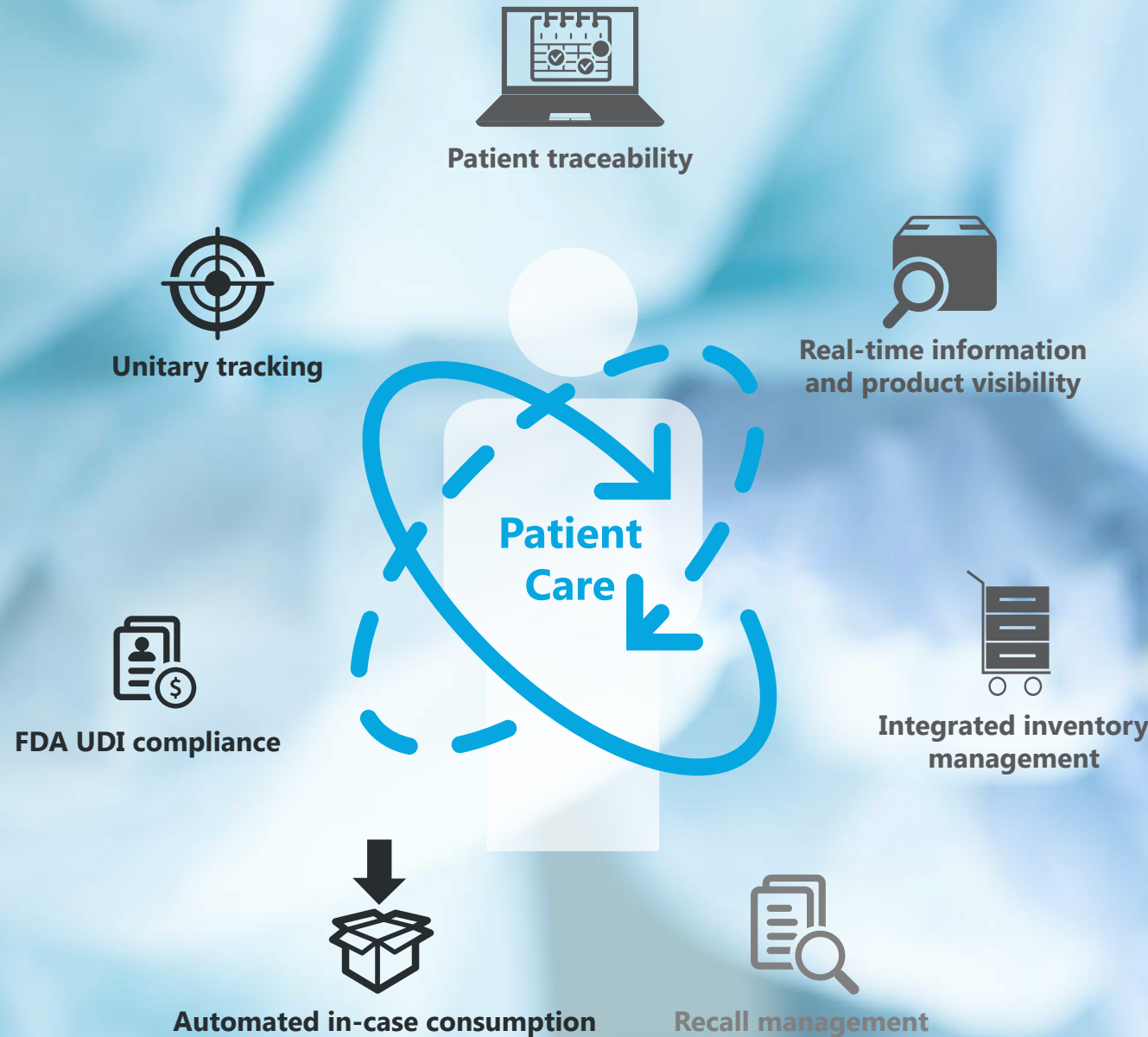
Frees up nursing time by:
Eliminating manual transcription & data collection through automated data capture & transfer to host applications.



Facilitates supply chain management activities by:
Automating demand capture and reordering, while facilitating put-away and expiration tracking.

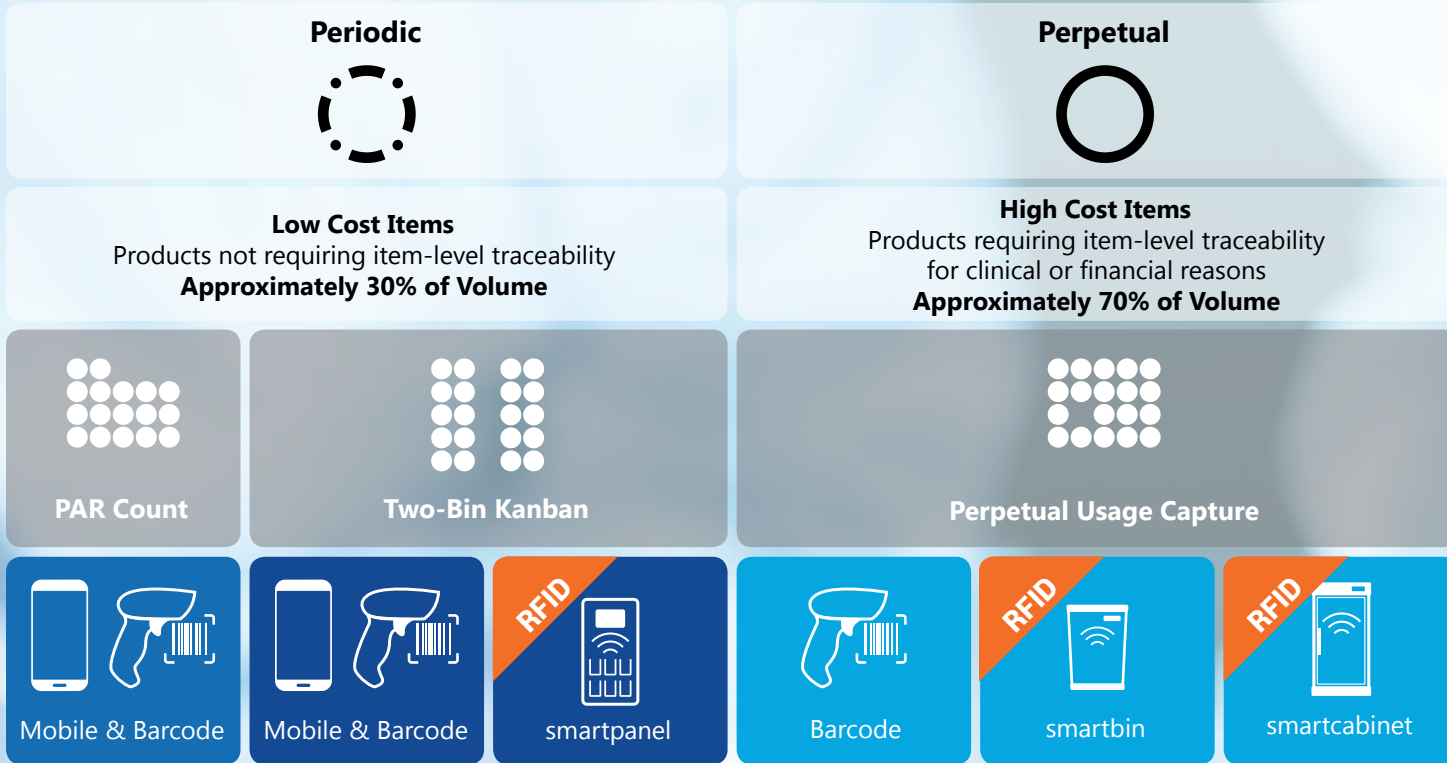


useIT in Cath Lab & IR Overview



Inventory Management Approach

Inventory management practices and data capture methods are based on the type of inventory being managed and specific patient traceability requirements. For the Cath Lab & IR, we typically propose a combination of two approaches where we identify what is considered 'general' supplies (low cost items), and therefore managed on a periodical basis, versus high cost items, such as medical devices, which require precise tracking and accurate case-specific cost capture.



High Value Item Management Inventory Tracking

High value items represent about 70% of the items managed in a Cath Lab and IR. *useIT for Cath Lab & IR* automates the management of those high value supplies requiring item-level traceability for clinical or financial reasons such as consignment management or vendor-managed inventory (trunk stock).

useIT for Cath Lab & IR allows you to track supplies in real-time, from their receipt to their utilization, while limiting clinical staff involvement. Using discreet barcode or RFID data capture technologies, these solutions eliminate the need for manual documentation and processes by automating replenishment, patient traceability and case costing activities. Replenishment triggers are directly tied to actual case consumption, with case costing functionality seamlessly integrated through our intuitive *Case Documentation* solution. In the background, custom business rules are configured to trigger automated alerts to identify items approaching expiry or that have been flagged. Together with real-time inventory capture and tracking, this lets you proactively avoid expense write-offs.

VMI Portal

Our add-on *VMI Portal* lets you control trunk stock and consignment items in specialty areas (Cath Lab, IR, etc.) by vendors. The portal reciprocally provides visibility into the inventory that vendors store inside your facility, therefore helping you to plan procedure supply needs in advance, and facilitating reconciliation once the item has been used.

smartbin & smartcabinet

Process efficiency and automatic tracking of product movement and usage is possible through RFID integration. Added to our unitary capture solution, the smartbin™ and smartcabinet™ facilitate high compliance, because clinical staff simply have to dispose of empty packaging or grab-and-go to initiate a tracking record. With one action, all the required data connected to consumption is captured and acted upon without any further involvement from them.

High Value Item Management Perpetual Usage Capture

TECSYS' *useIT Case Documentation User Interface*, integrated with your EMR, simplifies materials documentation and data capture through the balanced use of touch, barcoding, RFID technology and advanced search capabilities. Together, they avoid disruptions in your clinical workflows, effortlessly capture your intraoperative supply usage and eliminate any double entry processes.

Cost savings and patient safety are achieved through a fully automated information flow in which your supply usage and patient traceability are captured, tracked and measured for your business intelligence. The immediate impact is that your clinical personnel are no longer encumbered by manual tasks. The long-term impact is better visibility, more consistent consumption capture and excellent compliance mapped to existing clinical workflows.

Key capabilities

- Collect supply usage data and trigger demand requisitions automatically without manual transcriptions or double-entry documentation
- Preserve your current workflows through flexible and non-intrusive process adaptations and integration
- Reallocate clinical time being spent on inventory-related tasks to more value-added tasks
- Reduce charge discrepancies and improve charge reconciliations by simplifying and streamlining your user interface
- Lower expense write-offs by automating supply usage capture for reimbursable products
- Reduce the costs associated with product expiration, loss and complex invoice and inventory reconciliation processes
- Face new and emerging interoperability requirements with a solution designed to scale with you

Case documentation and usage

- EMR integration
- Single point of data entry
- Intuitive interface
- Multiple data capture technologies:



General Supply Management

Two-Bin Kanban and PAR Level

Around 30% of the supplies in a Cath Lab & IR fall into the 'general supply' category. While these low-value items do not have any traceability requirements, they still require reliable stock levels and accurate demand assessments with limited replenishment activities.

For these general supplies, we propose our two-bin kanban and PAR level solutions, well-suited to the Cath Lab & IR environments. Using barcode and RFID technologies and advanced workflows through our mobile application platform, our solutions enable you to perform supply chain activities right at the point of use, while our system provides immediate user assistance and feedback.

TECSYS' two-bin kanban system is a best-of-class batch-based inventory management methodology well-established as an industry best practice. Managing supplies in this manner results in consistent stock availability, while simultaneously greatly reducing clinical and support staff interactions with the system.

smartpanel

The smartpanel™ enhances the two-bin kanban general supply replenishment practice in a hospital. We raise the bar by using RFID-enabled process definition and control to automate the demand capture at the point of use and provide replenishment status indicators to all users. The smartpanel™ removes time-consuming manual processes like the need to perform demand capture rounds. Real-time capture delivers real-time demand information across the frontline of service based on actual consumption.



Case Costing Analytics

TECSYS offers an extended diagnostic analytics software and web-based solution that gives hospital managers and administrators reliable and extensive clinical utilization data, as well as the means to analyze and act. On a single platform, this premium analytics solution provides custom, configurable solutions designed to fit any customer workflow requirements.

Our application automates the conversion of meaningful data to actionable information—thereby accelerating accurate demand response decisions—and provides value to enable fact-based decision making. The application provides business intelligence, key metrics and analytics tools fed with accurate real-time data that make it easy to monitor and improve Cath Lab & IR supply chain performance on an ongoing basis.

Benefits

- Captures the requisite data points and possesses the data integrity necessary for Physician Preference Item (PPI) cost driver analysis
- Delivers superior overview and easy monitoring to ensure consistent performance and identification of optimization opportunities via a built-on intelligent dashboard and powerful business rules engine
- Provides strategic sourcing insights and helps to visualize case costing trends through advance analytics
- Leverages a high degree of data integrity to feed an accurate evidence-based decision platform for accelerated demand response and improved service levels



One Consolidated Platform

Healthcare organizations need to be able to choose point-of-use solutions that respond to each department's needs but also have a centralized platform for inventory management. Our approach is to combine both. We provide specific solutions tailored to different areas of the hospital while connecting all point-of-use systems, both proprietary and third party, to enable our clients to gain a global view and manage their many locations as one entity.

useIT for Cath Lab & IR is one branch of a consolidated point-of-care platform. This platform, which we call ITopia®, acts as a central hub for all point-of-use data captured. This provides healthcare organizations with a total overview of their information flow which enables powerful network-wide analytics and intelligent decision-making.



Cath Lab Case Study at Munson Healthcare

Implementation of *useIT for Cath Lab & IR* into the Munson Medical Center Cath Lab has had immediate benefits to clinical and non-clinical personnel through significant decreases in time spent on supply replenishment and manual transcription tasks. Improved workflows and data availability provided a platform that both enhanced service levels to the patient and afforded multidisciplinary stakeholders the information they sought to positively impact the bottom line through improved clinical traceability, patient charging and inventory management.

- Increase in charge capture and patient billing
- 75% reduction in waste due to expiry
- Accurate auditing & recall data
- Automated workflows and data exchanges
- Meaningful information at the click of a button

“ We are able to capture charges more efficiently and track inventory levels more accurately, both of which allow our clinical staff more time to focus on patient care.

Flavius Toader
Director, Supply Chain
Munson Healthcare

“ After having implemented TECSYS *useIT* solutions, we have been able to capture and charge 25% more on the same procedure volume.

Paul Koss
Manager, Cardiac Cath Lab
Munson Healthcare

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