

Improving Operations, Efficiency, and Finances in the Interventional Cardiology Lab



GE Healthcare



Overview

An interventional cardiology procedure involves many supplies — from catheters and balloons to stents and vascular closure devices. Difficulty tracking these high-priced items at the point of care is a constant challenge, resulting in inefficiency and waste. Missing and unaccounted-for supplies, items that were borrowed and not replaced, and expired items that could not be used, all represent lost revenue for the healthcare enterprise. Moreover, manual-tracking workflows, such as leveraging barcode stickers or writing down every used item at the end of each case, burdens staff and increases the probability of errors.

Solution

Interventional Cardiology Insights, or ICI, is a powerful, easy-to-use analytics solution that provides key actionable insights to help Cardiovascular Service Line Directors and Interventional Cardiology Managers gain insight into inventory trends and highlights outcomes and outliers that may point to performance or training issues.

ICI sits atop Centricity™ Cardio Workflow, GE Healthcare's comprehensive collection of tools for all data and information management in the cardiovascular department. It helps facilitate registry workflow, streamlines inventory management, automates billing, utilizes structured reporting to create clinical reports, and interfaces to charge capture solutions. During procedures, supplies are documented directly into Centricity Cardio Workflow or the hemodynamic recording solution (and then interfaced to Centricity Cardio Workflow) by utilizing a barcode scanner that captures the details on the use of balloons, stents, guidewires, and other devices.

Connected directly into the Centricity Cardio Workflow database, ICI obtains both inventory and procedural data. ICI provides a dynamic reporting and analysis platform, without the need to write custom reports or dive deep into the Centricity Cardio Workflow database. ICI is accessible from any web browser. By identifying supply and physician trends, ICI can help illustrate potential supplier, inventory, productivity, or training issues. With insight into these trends, healthcare organizations can help achieve significant cost savings and reduce waste.

For example, ICI can help answer questions such as the following:

- Why is there inventory variability among different physicians?
- Are we improving utilization of expiring inventory?
- What are the trends in our case type mix and patient classifications?

At launch, ICI is positioned as part of Centricity Cardio Workflow, bringing deeper insights to the interventional cardiology space, where inventory challenges are much more common than in noninvasive cardiology service lines such as echocardiography and nuclear cardiology.

A key benefit of ICI is its interactive dashboards, which can help cardiovascular service line directors and interventional cardiology managers quickly and easily drill down into the details, some of which help highlight waste from expiring, high-cost supplies, a top expense for cardiology labs. Other dashboards highlight performance indicators, such as physician cost per case and physician material usage trends.

Dashboards

Executive Summary: Presents a high-level, month-over-month view of key clinical, operational, and financial trends.

Service Line Volume: Provides insight into service-line volumes, such as data type and patient class, as well as the Top 10 procedures and physicians.

Case Workflow: Identifies delays at specific workflow steps to help increase resource utilization and departmental efficiency.

Expiring Materials: Provides ongoing visibility on expiration data to help prioritize inventory and limit waste.

Low Material Usage: Optimizes material usage by identifying vendor and physician trends.

Material Cost Standardization: Creates a summary of material management practices that highlights usage, preference, and cost by vendor, as well as missed opportunities for savings.

Provider Cost Standardization: Identifies physician cost per case and average physician cost per case to help benchmark physician performance and identify opportunities for savings.

Door to Intervention Time: Provides insight into this critical clinical KPI, with the ability to drill down into case details.

Data Quality: Identifies operational, financial, and data quality outliers to help improve data capture.

We can help

We've already invested in the expertise needed to help you achieve your efficiency, performance, and patient care goals.

Now let us help you get there!



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About GE Healthcare:

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