

CASE STUDY

University of Pittsburgh Medical Center (UPMC) Adopts iRIScope to Improve Enterprise-wide Scope Availability, Case Throughput and Standardization

CHALLENGES

University of Pittsburgh Medical Center (UPMC), a multi-state hospital network and leading research and training center with over 40 facilities in Pennsylvania, New York and Maryland, expressed a need for Mobile Aspects to provide solutions for its gastrointestinal (GI) department's largest roadblocks – management of high-volume scope needs, complete equipment implementation within a tight timeframe, changing regulatory needs and standardization for scaling scope management across the health system's many locations. UPMC Presbyterian, one of the leading research centers for advanced GI/Endoscopy care and UPMC's flagship hospital, relied on Mobile Aspects for solutions to support and optimize its cutting-edge work.

SOLUTIONS

Deepening its reputation as an enterprise-wide solution to hospitals' most pressing challenges, Mobile Aspects first worked with UPMC Presbyterian to install iRIScope endoscope tracking software and help physicians stay informed about the frequency of scope use and scope maintenance. Mobile Aspects offered a much lower cost of equipment implementation compared to pricings from other market competitors, which require hookups to hospital air systems or separate air compressor rooms. Mobile Aspects' solution required only the cost of installing its system.

Among the many unparalleled benefits of Mobile Aspects' iRIScope solution for GI physicians are its 10-minute channel drying advantage and rightsizing of scope fleet maintenance. To scale its system across UPMC Presbyterian and other UPMC facilities, Mobile Aspects first installed eight iRIScope units with channel drying, then added four more in UPMC Presbyterian's GI division.

RESULTS

UPMC Presbyterian's enhanced scope maintenance, business intelligence, accessibility and streamlining capabilities were made possible by Mobile Aspects' solution, as the iRIScope systems have **reduced the facility's scope turnaround times by 45 minutes (16%)**, **reduced wasted and expired scope washes by 76%**, and **identified 15% of scopes for removal, to reduce scope lease and maintenance costs**.

Scopes "expire" after seven days, and if they're not used in that time, they must be reprocessed. iRIScope prompts providers on which scopes to use, allowing facilities to honor their environmental standards by using fewer chemicals in reprocessing.

10:00

THE 10-MINUTE ADVANTAGE

Other endoscope systems dry equipment in at least 45 minutes, while iRIScope fully dries endoscope channels **in just 10**, without the need for a hospital air hookup or a costly air compressor room. The data and operational improvements observed from iRIScope's 10-minute advantage have validated the solution's ability to decrease scope turnaround time following software implementation.

Reduced facility's
turnaround time by

45 Minutes



Reduced wasted and
expired scope washes by

76%



To reduce lease and
maintenance costs, removed

15% of scopes





"Mobile Aspects' iRIScope cabinets and software have enabled us to upgrade our infection prevention standards and transform our inventory management," said Dr. Adam Slivka, Medical Director of the UPMC Health System's GI Service Line. "It has equipped us with the technology we need to standardize benchmarks for scope optimization and help each facility reach these benchmarks. We are looking forward to incorporating this technology throughout our network."

- Dr. Adam Slivka, MD, PhD
Medical Director of the UPMC
Health System's GI Service Line

Automated features in Mobile Aspects' software alert clinicians when it's time to reprocess each scope, saving them time and energy, and decreasing the amount of resources used for wasted or repeat reprocessing cycles.

Within months of the initial iRIScope installation in UPMC Presbyterian, the solution was expanded throughout the entire hospital and in four facilities across the health system, including UPMC Jameson Hospital, UPMC South Hills Surgery Center, and UPMC Western Maryland. Standardized across the health system, iRIScope is now being used – in multiple states – in every type of facility that a large health system has to offer, including academic facilities, community hospitals and surgery centers. Several other facilities are now looking to order its system as well.

FEEDBACK

UPMC physicians have witnessed tremendous growth and operational advancements from iRIScope. They can be certain scopes are now always clean and readily available when they need them, and they now receive the same information – if not better – as their equipment vendors as it relates to scope use and maintenance needs.

The ease of iRIScope employment and expansion throughout UPMC hospitals speaks volumes about the system's applicability and success across all Academic Medical Centers.

LOOKING FORWARD

UPMC is already expanding iRIScope with channel drying in multiple facilities across the health system. More UPMC facilities are implementing iRIScope as hospitals are looking to update their scope storage and tracking while meeting and exceeding new regulatory requirements. The data from iRIScope analytics allows the health system to set benchmarks for scope use, efficiency and reprocessing turnaround times, and combine data with other leading health centers to drive the best gastroenterology/endoscopy results. UPMC can now view these metrics centrally and manage them across the health system.