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POWERING WORKFLOW WITH INTELLIGENT CLOUD

**TO IMPROVE EFFICIENCY, QUALITY OF CARE,
AND PHYSICIAN WORK-LIFE BALANCE IN
CARDIOVASCULAR ORGANIZATIONS**



WHITE PAPER

In partnership with:

ScImage[®]

The leadership team at Heart and Vascular Institute of Wisconsin shares their experience and insight for creating an integrated imaging and data platform for their cardiovascular enterprise.



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SYNOPSIS

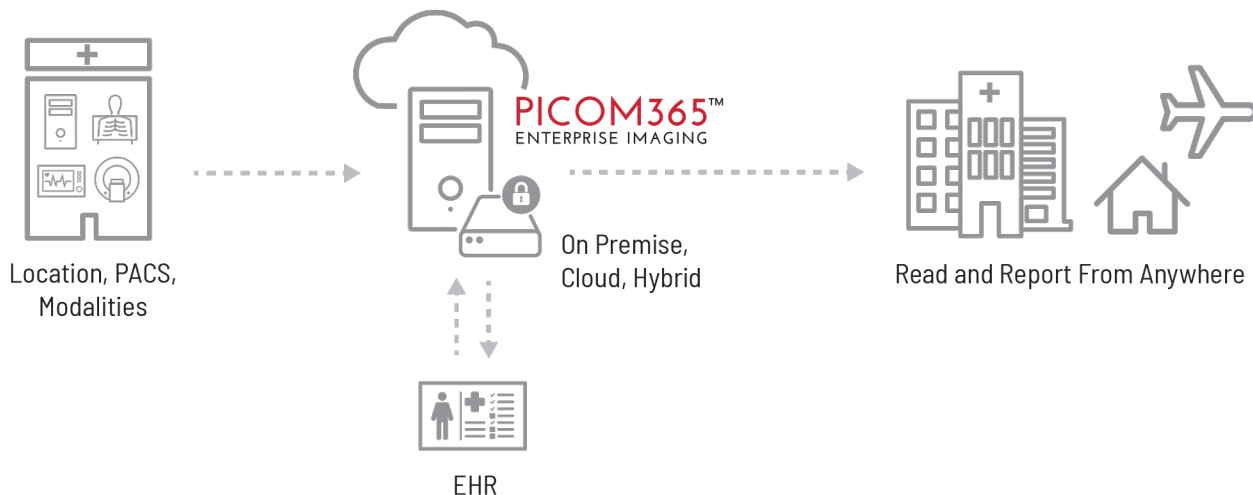
The implementation of the PICOM365® cardiology suite has proved to be a very strategic decision for the Heart and Vascular Institute of Wisconsin (HVIW). As their experience shows, the uniquely designed workflows, vendor-agnostic adaptability, and cost-effective native cloud design make the platform the perfect solution to manage rapidly advancing imaging modalities and to support growth and geographic expansion. Images and data are seamlessly integrated and immediately available to the physicians from anywhere in the world with a browser-agnostic, zero-footprint viewer. With its many advantages and cost-effective cloud-based platform, ScImage's PICOM365 cardiology suite provides a best-in-class enterprise option for cardiovascular organizations from mid-sized practices to large healthcare systems.



TOPIC OVERVIEW

The landscape for cardiovascular care has been constantly changing for decades, with change occurring even more rapidly in recent years with advancements in treatment, imaging modalities, and highly specialized multidisciplinary care teams. These changes are making a positive impact on cardiovascular outcomes in the U.S. But they have created a demand for sophisticated image and data integration that has outpaced legacy enterprise imaging platforms. Unlike costly patches and interfaces poorly used to integrate images and data, ScImage provides an agile, cost-effective solution for these challenges in its PICOM365 cardiology suite. Designed specifically for cardiology with a highly secure, end-to-end solution for imaging and data management, this platform supports all imaging modalities, creates highly efficient workflows, optimizes care coordination and collaboration, and provides sophisticated order and billing integration.





VALUE PROPOSITION

With more than 20 providers, HVIW is a leading supplier of comprehensive cardiovascular care in Northeast Wisconsin. When they separated from their hospital partner in 2019 the group started from the ground up with an imaging strategy. As a native cloud-based solution, ScImage’s PICOM365 cardiology suite stood out as the obvious choice, providing a total imaging and data integration and storage solution. “The value proposition was and continues to be very attractive and the best one available to us,” says Larry Sobal, CEO of HVIW.

“A Game Changer” for Creating Workflow Efficiencies

The PICOM365 cardiology suite is uniquely designed to address the needs of cardiologists, with workflows developed specifically for efficient, integrated cardiovascular care. All diagnostic modalities can be hosted within the cloud platform. Images and reports are easily accessed and shared with full diagnostic functionality from anywhere in the world. Any type of waveform, data or document from any modality and any vendor is securely accessible from any location, using any browser. This is made possible with a fully compliant IT and medical device regulatory capability that supports highly secure, yet simple and seamless access. The ScImage team works with each client to customize workflows and they may be modified as often as needed to support new providers or specialties, new modalities and additional sites of service. Inside the customized design, cardiologists manage their workflows, worklists and report content.

Access to post-processing tools, structured reporting and voice recognition features support timely, comprehensive diagnostic

interpretation, reporting and billing. “PICOM365 has been a game changer for our team because our physicians are no longer tethered to workstations,” says Sheri Krueger, director of Cardiovascular Services at HVIW. “We can support them in level-loading work individually and across the cardiology team and our operations team spends far less time dealing with hardware issues. If a cardiologist needs assistance with an image our operations team can access the platform quickly from anywhere.”

Reducing Administrative/EHR Burden

Recognizing the threat of burnout related to bureaucratic tasks, electronic health record (EHR) barriers and long work hours, the leadership team at HVIW understands the relevance of these challenges in recruiting and retaining top cardiologists in a highly competitive environment. With customized workflows, HVIW was able to proactively address many of the EHR barriers that are traditionally inherent in cardiology practice. “To provide the most advanced care possible we have to address every opportunity to improve efficiency in clinical workflows for our providers,” says Sobal. “In designing workflows with the PICOM365 team, we have been able to actually improve our cardiologists’ work-life balance with streamlined image access and management from any location in the world and it improves the timeliness and quality of the care we provide to our patients.” The HVIW workflows include structured reporting and the integration of data and information coming from disparate EHR sources at referral source practices and the hospitals where the group practices. With order and billing integration, the workflows have been thoughtfully designed to help ease some of the administrative and EHR burdens physicians deal with.





Scalability for Growth and Expansion

Scalability has been an important advantage offered by PICOM365 to support imaging volume growth at HVIW. Volumes have grown quickly with the purchase of a 620-slice CT scanner in 2019, and the quality of the CT scanner is attracting referrals for non-cardiac studies. A radiology partnership seamlessly supports CT overreads and interpretation of non-cardiac studies in the PICOM365 platform. In addition to CT, nuclear medicine, treadmills, echocardiogram, vascular, holter, mobile cardiac telemetry, event monitors and EKGs are hosted through PICOM365. The cloud-based platform can quickly and efficiently scale to accommodate the increase in volumes and the increasing size of images seen in studies.

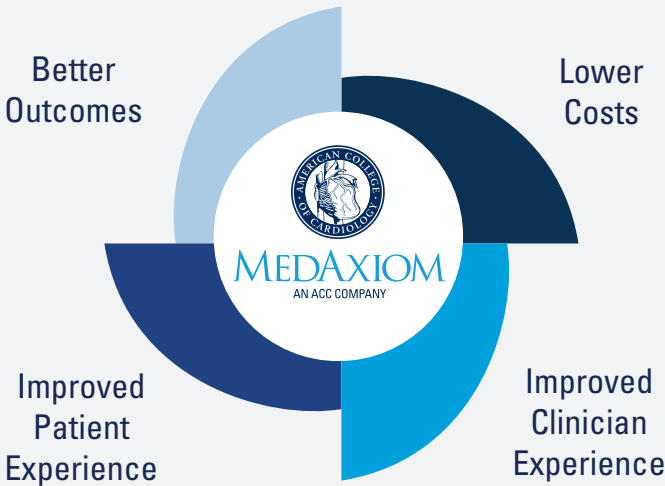
Sobal notes scalability and ease of launch for new sites made possible by its native cloud-based technology as two of the most attractive features of their partnership with ScImage as their enterprise imaging platform. In 2021, HVIW plans to expand its regional footprint, increase the size of their provider team, and form collaborative partnerships with hospitals in the region. "Not only will we be adding providers and sites of service,

but our expanded reach will help us gain new relationships with referring physicians," says Sobal. "We can bring our new sites up and create image and data share with our new referring practices quickly."

Interoperability: Taking Care Collaboration to the Next Level

With an interoperability core designed to manage HL7, EHR, DICOM and non-DICOM, PICOM365 can enable the care team to view a patient's care and diagnostics across time, locations and providers. HVIW is leveraging this advantage to provide safe, patient-centric care. "A platform that allows our teams to collaborate, whether it's in the same room or from across the state, helps us provide our patients with the best care options available," notes Sobal. This resonates in the HVIW Structural Heart Clinic, where the multidisciplinary team can review all the necessary diagnostic studies, described as a "one stop shop" by the clinic coordinator. "This saves so much time and allows us to create a very detailed procedural treatment plan for the patient."

QUADRUPLE AIM



CONCLUSION

High performing cardiovascular programs like HVIW strive to achieve the Quadruple Aim for better outcomes, lower costs, and improved patient and clinician experience. Technology plays a major role in achieving these goals. HVIW's work demonstrates the strong value proposition for leveraging the PICOM365 cardiology suite to achieve truly patient-centric care through purposeful standardization, highly accessible care, enhanced clinician experience, and intentional, well managed care transitions. With the web-based platform and vendor agnostic technology the program experienced much lower costs than they would have faced with the traditional heavy-lift solutions needed to integrate data and images. This value proposition easily translates to similar successes with PICOM365 as an enterprise solution for data and image integration in cardiovascular organizations of all sizes.



ABOUT SCIMAGE Founded in 1993, ScImage remains a private, customer first company with a mission to provide innovative enterprise imaging solutions to the healthcare industry. ScImage's unique single database PICOM365 enterprise platform delivers end to end imaging workflow for Cardiology, Radiology, Women's Health, Orthopedics, Ophthalmology and more. Scalable from a single physician practice to a multi hospital enterprise, PICOM365 is customizable and can be delivered on premise, in the Cloud, or as a hybrid. The perfect synchrony created between on site and Cloud resources allows PICOM365 to provide secure VPN less image exchange solutions among legacy silo systems, Cloud users, and various EHR systems.

Learn more at
www.scimage.com.

