

Mammoth Hospital speeds care delivery with PowerShare and PowerScribe One



CHALLENGE: Need to modernize radiology IT infrastructure, manage anticipated and unexpected workflow challenges, and accelerate patient care with faster service and seamless image sharing.

SOLUTION: PowerShare™ Image Sharing and PowerScribe® One

RESULTS: Improved ability to provide quality patient care with faster service, near-instant image sharing, enhanced workflow, and consistent, evidence-based decision support.

97%

reduction in CD usage

Located in Mammoth Lakes, California, Mammoth Hospital serves a town of 8,000. But during the winter months the population grows to over 40,000 when tourists visit for skiing, snowboarding, and other outdoor activities. In fact, the U.S. Ski and Snowboard team trains in Mammoth Lakes, making the hospital home to several of the nation's top orthopedic surgeons. Mammoth Hospital handles a high volume of orthopedic injuries, which make up a large part of the 18,000 medical imaging studies they perform annually. About 80% of these are distributed to a patient's healthcare provider at another facility.

"Our mission is to provide meticulous care. PowerShare and PowerScribe One are driving us toward that goal."

— Scott Streetman, PACS Administrator, Mammoth Hospital

Recently, the hospital set out on an ambitious journey to modernize their radiology IT infrastructure to drive efficiencies and improve care. By deploying a set of AI- and cloud-powered technologies the hospital has streamlined the imaging workflow, improved accuracy and quality, and established a platform that is enabling them to tackle their most pressing issues and adapt to unplanned challenges as they arise. Today, the combined strength of Nuance PowerShare Image Sharing and PowerScribe One is improving provider satisfaction and accelerating patient care with seamless image exchange and next-generation reporting.

Connection made simple, fast, and seamless with PowerShare Image Sharing

Amid fluctuating patient volumes, wildfires, and the onslaught of COVID-19, Mammoth Hospital has continued to deliver meticulous care with PowerShare, a cloud-based image exchange solution that provides quick, secure sharing of medical imaging and diagnostic reports to connected healthcare facilities, providers, and patients. When the pandemic hit hard during March 2020, Streetman and his staff abruptly transitioned to remote work from home while continuing to facilitate a large number of image transfers. "We could not have successfully adapted to this remote working environment and facilitate timely image sharing for our patients without PowerShare," Streetman adds, "I can have my technician, now over a thousand miles away, remotely review a list of patients and transfer studies without putting herself or hospital staff at risk by burning CDs."

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— Scott Streetman,
PACS Administrator
Mammoth Hospital

Since implementing PowerShare, Mammoth Hospital has quickly built a connected network with the majority of their healthcare partners to ensure patient imaging can be shared electronically in a matter of minutes. Streetman notes, “With PowerShare we’ve eliminated almost all physical media. We’re improving patient care with faster service that eliminates delays and reduces overhead costs.”

Migration to AI-powered PowerScribe One improves productivity and quality

Beyond image sharing, Mammoth Hospital has found other ways to improve their radiology service and quality. With the recent migration from Nuance PowerScribe 360 to PowerScribe One, the department has been taking full advantage of its expanded capabilities. “Moving to PowerScribe One couldn’t have come at a better time,” Streetman notes, “from a PACS administrator perspective, it’s critical to provide our radiologists with the latest and greatest workflow automation and quality support within an efficient, cost-effective technical infrastructure.”

PowerScribe One is harnessing structured data and advanced language understanding to improve accuracy and consistency with real-time, context-based decision support and quality checks. Radiologists save time while effortlessly increasing the quality and detail of each report.

Working elbow-to-elbow with the Nuance implementation team, the migration has gone smoothly and user adoption is high. The Nuance team worked closely with each radiologist to show them how to increase reading efficiency and accuracy quickly and simply with the advanced capabilities embedded in the solution. “PowerScribe went from being the radiologists’ favorite product to their even-better favorite product,” says Streetman.

And, while PowerShare ensured continued image sharing through COVID-19, PowerScribe One enabled radiologists to work as efficiently as possible on and offsite. According to Streetman, it’s the deeply integrated clinical guidance and built-in artificial intelligence that is having significant impact on patient care. Looking ahead, Streetman notes that Mammoth Hospital radiologists are also ready for more AI and cloud-powered technologies, such as PowerConnect Actionable Findings. “The ability to catch patients who might fall through the cracks and get in touch with their doctors to follow up on our findings—that in itself is priceless,” Streetman concludes.

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