

Memorial Health System empowers radiologists with PowerScribe One



>15%

increase in radiologist efficiency with cloud speech

50%

reduction in report volume sent to editors

5

hours saved per month on template/macro maintenance

CHALLENGE: Memorial Health System wanted to modernize its radiology reading environment for local and remote providers—and strategically position itself for future innovation.

SOLUTION: PowerScribe® One

RESULTS: Increase in radiologist efficiency with cloud speech, reduction in report volume sent to editors, and multiple hours saved per month on template/macro maintenance.

Memorial Health System is located on the Mississippi Gulf coast, between Biloxi and New Orleans. But its radiologists are based across four states, and together read over 220,000 exams each year. The forward-thinking health system wanted to modernize and streamline its reading environment for every radiologist—whether they read onsite, or hundreds of miles away. So, Memorial converted from PowerScribe 360 to PowerScribe One.

Powered by AI and the cloud, PowerScribe One extracts, applies, and shares structured data and clinical content in new ways to drive increased accuracy, clinical awareness, interoperability, and quality. It's the next generation of radiology reporting—and it's helping the health system to work faster and do more with less.

“PowerScribe One cloud speech is a tremendous timesaver for all of us in the department. But more than that, it means we can provide better service to our ordering clinicians and their patients.”

— Griff Van Dusen, PACS Administrator, Memorial Health System

Helping radiologists work faster

“Cloud speech in PowerScribe One is fantastic,” says Russell Allman, MD, a key member of Memorial's seventeen-strong radiologist group. “The recognition accuracy is absolutely amazing right from the beginning, without having to train or maintain a profile. I don't have to spend time correcting speech errors, and can generally move through reports more quickly.”

Allman says the switch to PowerScribe One has significantly improved his productivity. “At this point, I'm at least 15% more efficient than before. I can get more done in less time, whether I'm working from the office or from home.” PowerScribe One is also helping Memorial's radiologists improve the accuracy of their reports, by automatically alerting them to issues such as potential laterality or sex mismatches.

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PACS Administrator
Memorial Health System

Reducing editor workload

Memorial still employs a team of talented editors within its radiology workflow. But since the move to PowerScribe One, the volume of reports requiring their attention has been reduced by 50%.

“Before PowerScribe One, up to 55% of reports were sent to our editors. Now it’s more like 28%,” says Griff Van Dusen, who has been a PACS Administrator at Memorial for over 20 years. When a report is reviewed by Memorial’s editors, there’s now much less for them to do. “They might change a word in every third report,” says Van Dusen. “I can see the impact of PowerScribe One just by looking at their queue. There used to be a backlog of 20 or 30 reports. Now there’ll be two or three.”

Saving hours with instantly updated templates

Another huge timesaver—and Van Dusen’s own favorite PowerScribe One feature—is the ability to update content in multiple templates at once.

“We rely heavily on templates and macros to standardize and automate our reports,” Van Dusen explains. “With PowerScribe One’s modular approach, we can make a change in one component and automatically carry it through to all the places where that component appears—which could be many hundreds of instances.” Every month, this “one-and-done” capability is saving Memorial an estimated five hours of template and macro maintenance time.

Partnering for a successful implementation

Nuance worked closely with Memorial throughout its PowerScribe One implementation, serving as more of a partner than a vendor.

“The training and support for our PowerScribe One implementation were fantastic,” says Van Dusen. “The Nuance team listened to what we had to say, went the extra mile to understand our workflows and concerns, and worked hard to address issues. I feel we’re really in a good place now, and we’re able to reap the benefits of this powerful new platform—both in terms of efficiency and report quality.”

A foundation for future innovation

The health system has already identified more opportunities to streamline its reporting workflows with PowerScribe One. At the top of the list is using the module approach to further automate how BI-RADS detail is included in reports. With no need for local profiles or training, Memorial will be able to roll out the same, industry-leading cloud speech experience to new radiologists, wherever they’re based—providing a strong platform for success, however its radiology team and organization evolve.



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To find out how you can use PowerScribe One to achieve new levels of reporting accuracy and quality, visit nuance.com/go/powerscribe.