

# Delivering an AI-powered in-workflow experience

PowerScribe® Smart Impression harnesses generative AI to automatically create draft impressions and recommendations to help save time, reduce workload-related stress, and lower cognitive load.

**PowerScribe Smart Impression** ushers in an exciting new era of generative AI capabilities for radiology. An AI-powered large language model surfaces findings and other relevant patient information and automatically drafts impression and recommendation text in the style of the dictating radiologist—helping to drive improved efficiency and increase radiologist satisfaction.

## Pioneers in AI-powered innovation

PowerScribe Smart Impression is the result of continued advancement of AI innovation to reduce physician burnout, improve clinical efficiency, and support better outcomes. Based on the same technology that drives Microsoft's award-winning [DAX™ Copilot](#), PowerScribe Smart Impression is a fully integrated and included capability of PowerScribe One that can produce meaningful improvements in productivity and radiologist satisfaction.

## Time savings accelerate report creation

PowerScribe Smart Impression is delivering efficiency gains for users at health systems and radiology practices across the country. Users cite the personalized and accurate wording of draft impressions and how the capability can enhance the speed of report creation—quickly adding up to significant time savings each day.

According to Keirsun Crockett, MD, neuroradiologist at Quantum Radiology, "PowerScribe Smart Impression effectively redefines what radiologists should expect from AI-powered radiology solutions. It's really helpful because it consistently generates wording that is exactly what I would say. We've licensed it for all 83 of our radiologists."



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BEST NEW  
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SOFTWARE**

## DIFFERENTIATORS

- **Informed:** Trained on millions of radiology reports created using Microsoft solutions.
- **Structured:** Harnesses structured data that has a common meaning across applications and systems to automate reporting workflow and facilitate follow-up tracking.
- **Customized:** Adapts to the reporting style and preferences of radiologists.
- **Seamless:** Workflow-integrated and native to PowerScribe; it's not a widget or plug-in.
- **Comprehensive:** Reflects all relevant radiology findings and other available patient data.
- **Efficient:** Saves time so radiologists can get more done.
- **Safe and responsible:** Aligns with Microsoft's Responsible AI standards.

### Reducing cognitive burden and driving quality

The value of generative AI to help create draft impressions and recommendations goes far beyond efficiency—scanning for every finding when drafting the result to help ensure that important information isn't missed.

"Radiologists must make high-stakes, timely decisions in dozens of cases each day and generate reports that guide their downstream clinical care, and the cognitive burden of increasing workloads can have great consequences," said Bernardo Bizzo, MD, Senior Director, Mass General Brigham Data Science Office. "Generative AI tools may offer great value for our field by lightening some of the burdens placed on radiologists by automatically drafting impressions the way we are used to, helping avoid common mistakes and reminding of important information to include."

### The next generation of AI-enabled capabilities

Intelligent impression generation requires a data-centric approach that assigns meaning to text, looks across multiple data sources to validate information, checks for errors and inconsistencies, and makes appropriate recommendations. It must correctly place complete and accurate draft impression text in the report, and it must match the dictator's style.

**PowerScribe Smart Impression** plays a pivotal role in delivering value to radiologists and advancing PowerScribe One as the premier platform for integrating a new generation of AI-enabled capabilities for radiology. The advanced expertise and technology of Microsoft is leading the way in unlocking meaning from pixels and text to further automate complex workflows and mundane tasks, surface key details, and identify missing information to support patient care.

### LEARN MORE

For more information, please visit [nuance.com/powerscribe](https://nuance.com/powerscribe).

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— Keirsun Crockett, MD  
Neuroradiologist  
Quantum Radiology

**MEDICAL DEVICE DISCLAIMER.** PowerScribe Smart Impression is an AI capability that generates text. AI tools and technologies, including PowerScribe Smart Impression, can make mistakes and do not always provide accurate or complete information. It is your responsibility to: (1) thoroughly test and evaluate whether its use is fit for purpose, and (2) identify and mitigate any risks or harms to end users associated with its use. Transparency Note available upon request. PowerScribe Smart Impression is not intended, designed, or made available to be: (1) a medical device, or (2) a substitute for professional medical advice, diagnosis, treatment, or judgment and should not be used to replace or as a substitute for professional medical advice, diagnosis, treatment, or judgment. Output from PowerScribe Smart Impression does not reflect the opinions of Microsoft. The accuracy and reliability of the information provided by PowerScribe Smart Impression may vary and are not guaranteed. Microsoft disclaims any liability for any damages resulting from the use or reliance on the information provided by PowerScribe Smart Impression.