

# MITRE and Nuance Use AI to Help Oncologists Quickly and Accurately Collect Data to Improve Cancer Research and Treatment

## **Nuance Dragon Medical One cloud-based speech recognition solution reduces burden to clinicians and helps improve quality of available cancer data**

BEDFORD, Mass. and BURLINGTON, Mass., Aug. 24, 2020 /PRNewswire/ -- [Nuance Communications, Inc.](#) (NASDAQ: NUAN) and MITRE today announced a strategic collaboration to advance the [mCODE™](#) (minimal Common Oncology Data Elements) data standard for improved cancer research and treatment using the AI-powered Nuance® Dragon Medical One solution. Clinicians can now populate vital cancer data directly into electronic health records (EHRs) using their voice, which will improve the quality of documentation and reduce data entry burden for oncologists. Improved cancer patient data is critical to support analytics that can identify safer care, lead to improved outcomes, and lower costs.

The Nuance-MITRE strategic collaboration brings together data elements and technology solutions, including:

- mCODE – A core set of structured data elements for oncology that establishes minimum recommended standards for the structure and content of health record information across use cases and users. The goal of mCODE is to improve the overall quality and consistency of cancer data available to clinicians, patients, researchers, and other stakeholders in the fight against cancer.
- Nuance Dragon® Medical One – Trusted by thousands of healthcare organizations and over 550,000 clinicians to improve documentation and reduce administrative tasks, the cloud-based speech recognition platform uses voice commands to quickly collect and access oncology data, seamlessly integrates into existing workflows, and will be configured to incorporate mCODE data elements. Nuance Dragon Medical One is [HITRUST CSF-certified](#) and provides a consistent and personalized clinical documentation experience that spans solutions, platforms, devices, and physical locations.

"Every interaction between a clinician and a cancer patient provides high-quality data that could lead to safer care, improved outcomes, and lower costs," said Dr. Jay Schnitzer, MITRE's chief medical and technology officer. "But first, we need data that is standardized and collected in a computable manner so it can be aggregated with data from many other patients and analyzed for best practices. And it must be collected in a streamlined way that doesn't burden the clinicians. The Nuance offering will enhance this effort."

Diana Nole, Nuance Communications, executive vice president and general manager of healthcare, said, "Collecting clinical data specific to oncology treatment has traditionally been a difficult task to overcome. Combining Nuance's AI expertise with the mCODE data standard provides oncologists with the ability to easily collect and gain access to critical outcome data by simply using their voice to securely dictate notes and search within the EHR using Nuance Dragon Medical One. This will garner significant advancements in data collection, which will, in turn, dramatically improve patient treatment and care."

Recognizing that achieving interoperability in healthcare data is a difficult problem to solve without consensus across stakeholder groups, the mCODE initiative has worked since its inception to engage with health care thought leaders and health care alliances, medical associations, standards organizations, providers, and vendor consortia.

mCODE is currently utilized in real-world settings across the country, including in the Integrating Clinical Trials

and Real-World Endpoints data (ICAREdata®) project, a pilot for the use of mCODE in oncology clinical trials seeking to close the gap between EHR data and research, managed by the Alliance for Clinical Trials in Oncology.

To learn more about Nuance Dragon Medical One, please visit: <https://www.nuance.com/healthcare/provider-solutions/speech-recognition/dragon-medical-one.html>

### **About mCODE Initiative**

The mCODE Initiative, a [collaboration](#) between the American Society of Clinical Oncology, Inc. (ASCO®), its wholly owned nonprofit subsidiary CancerLinQ LLC, the Alliance for Clinical Trials in Oncology Foundation (Alliance Foundation), The American Society for Radiation Oncology (ASTRO), and MITRE, has developed and published the set of common cancer data standards and specifications at [mCODEinitiative.org](http://mCODEinitiative.org).

### **About MITRE**

MITRE's mission-driven teams are dedicated to solving problems for a safer world. Through our public-private partnerships and federally funded R&D centers, we work across government and in partnership with industry to tackle challenges to the safety, stability, and well-being of our nation. For more information, please visit [www.mitre.org](http://www.mitre.org).

### **About Nuance Healthcare**

Nuance provides intelligent systems that support a more natural and insightful approach to clinical documentation, freeing clinicians to spend more time caring for patients. Nuance healthcare solutions capture, improve, and communicate more than 300 million patient stories each year, helping more than 550,000 clinicians in 10,000 global healthcare organizations to drive meaningful clinical and financial outcomes. Nuance's award-winning clinical speech recognition, medical transcription, CDI, coding, quality, and medical imaging solutions provide a more complete and accurate view of patient care.

### **About Nuance Communications, Inc.**

Nuance Communications (NASDAQ: NUAN) is the pioneer and leader in conversational AI innovations that bring intelligence to everyday work and life. The company delivers solutions that understand, analyze, and respond to people – amplifying human intelligence to increase productivity and security. With decades of domain and AI expertise, Nuance works with thousands of organizations globally across healthcare, financial services, telecommunications, government, and retail – to empower a smarter, more connected world. For more information, please visit [www.nuance.com](http://www.nuance.com).

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### **MITRE Media Contact:**

Mike Murphy  
[media@mitre.org](mailto:media@mitre.org)

### **Nuance Media Contact:**

Caitlyn Keating  
+ 781.565.8926  
[Caitlyn.Keating@nuance.com](mailto:Caitlyn.Keating@nuance.com)

<https://news.nuance.com/2020-08-24-MITRE-and-Nuance-Use-AI-to-Help-Oncologists-Quickly-and-Accurately-Collect-Data-to-Improve-Cancer-Research-and-Treatment>