M*Modal

M*MODAL FLUENCY DISCOVERY™ WITH IMAGING

Consider a search of 150,000 radiology reports for pneumothorax identification. Let's say 150 (1%) of these documents contain mention of a positive occurrence. Only 75 reports with the critical finding lack necessary documentation on referring physician notification.

Do you have an efficient, effective and reliable way of quickly finding the 75 documents (or patients) that you need out of 150,000 reports?
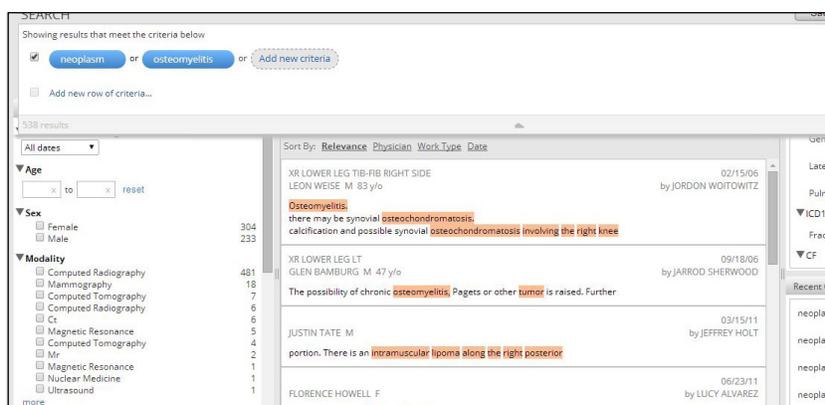
Fluency Discovery™, using the Imaging app, allows you to do just that – and much more. This unique solution enables an information-based, evidence-driven approach to the practice of digital imaging and helps you deliver measurable value to the healthcare delivery chain.

This unique solution leverages the M*Modal Catalyst™ cloud-based Natural Language Understanding (NLU) technology platform that powers multiple applications like Imaging, CDI, etc. These apps can all be accessed through Fluency Discovery without additional installation or configuration to empower different stakeholders in the documentation process.

Fluency Discovery with Imaging taps into the vast resource of inaccessible information that lies latent in unstructured radiology narratives. Traditional sources like the RIS and PACS don't provide all the data needed to enable the holistic understanding of the patient necessary for enhancing patient outcomes and safety as well as productivity and clinical quality. Designed specifically for information enabling radiology workflows, Fluency Discovery with Imaging is a comprehensive solution that allows users to identify, improve, monitor and manage enterprise-wide documentation issues and patient information in order to deliver noticeably improved levels of service and compliance.

In order to improve performance, you first need to measure it. With the advanced, enterprise search capabilities of Fluency Discovery with Imaging, no matter how complex your question, the way to get an accurate answer is always simple. Far more than simple keyword searches, this capability leverages NLU technology to understand both the content and context in the narrative. This allows you to perform ad hoc, extensive searches on free-form text, terms, medical concepts, conditions, etc. that will deliver all synonyms and the positivity/negativity of these findings. This solution allows you to ask the right questions to quickly and efficiently find specific documents or patients. As importantly, it helps identify the absence of information that is tied to patient safety.

Fluency Discovery with Imaging automates the identification of documents with deficiencies, compliance issues, etc.
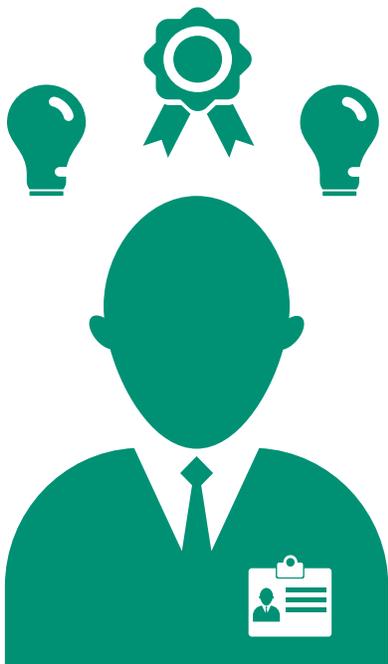
The M*Modal solution aggregates information and provides insightful views produced from prior reports, both radiology and non-radiology systems such as EHRs, and pathology data. It then helps you extract, identify and sort the information you need—only what you need and when you need it. And it does so quickly, automatically, accurately and cost effectively.

- What is our compliance rate for PQRS (Physician Quality Reporting System) 195 criteria by body part or exam type?

- What is our compliance rate for fluoroscopy procedures for the past one month for each of our radiologists?

- What is the rate of our compliance with the Joint Commission mandated critical results reporting policy?

- Which mammography documents are missing new reporting standards, like breast density?

- Which of our brain metastasis patients need follow-up monitoring?

Do you need answers to questions such as these, and does it take an inordinately long time to find them? Let Fluency Discovery with Imaging put your organization on the fast track to improved performance, efficiency, documentation and reporting. All you have to do is ask meaningful questions to get an immediate pulse on your business, enabling fast corrective actions and quick improvements.

According to a JACR (Journal of American College of Radiology) study, "incomplete physician documentation in abdominal ultrasound reports is common (9.3%-20.2% of cases) and results in 2.5% to 5.5% in lost professional income"[1]. By automating the heavy lifting of time-consuming manual reviews, Fluency Discovery with Imaging significantly improves documentation and supports multiple stakeholders, from radiologists to administrators and quality analysts.

*"We use the M*Modal product to help customers understand what various quality measures mean for the practice, to the hospital and the ACO as a whole. We can then mine data to determine whether the measures are being achieved in real time. M*Modal is a great partner for Canopy Partners in these efforts."*

--- Stephen Willis, CIO, Canopy Partners

BENEFITS

IMPROVED PATIENT CARE

- Better understand patient stories with supplemental clinical information

- Make better-informed medical decisions and interpretations

- Monitor critical findings and other patient safety requirements

- Reduce exposures and unnecessary procedures

ENHANCED PERFORMANCE AND VALUE

- Enhance the quality of imaging documentation

- Increase visibility into all clinical systems

- Review 100% of your records, not just a sample

- Report on quality initiatives and appropriateness with customized dashboards

- Improve imaging utilization and patient throughput

REDUCED COSTS AND IMPROVED REVENUE

- Improve completeness of documentation for administrative and coding purposes.

- Reduce time and resources spent on manual reviews and information extraction

- Identify unnecessary imaging procedures and non-compliance with PQRS measures (1.5% CMS-imposed penalty for non-participation from 2015[2])

- Utilize as a training tool for ICD-10 and minimize reimbursement impact

SINGLE-ARCHITECTURE, EXTENSIBLE SOLUTION

- Leverage M*Modal single-architecture technology to seamlessly integrate with Fluency for Imaging™ speech reporting solution

- Use Fluency Discovery for single access to multiple M*Modal applications without additional IT work

- Use open, scalable, extensible solutions that can integrate with existing clinical systems for data input

- Configure to meet your imaging facility's unique environment and objectives

1: J Am Coll Radiol 2012;9:403-408. Copyright © 2012 American College of Radiology
2: 2013 PQRS: 2015 PQRS Payment Adjustment v1.3

To find out more, visit **mmodal.com** or contact us at **866-542-7253**.

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