

# Improved outcomes with mPower Clinical Analytics

Harness AI, advanced language understanding, and cloud technology for competitive advantage.

Today's radiologists monitor, improve clinical quality and help assure patient safety. They also analyse patient outcomes and report on outcomes measures— all while meeting business goals. mPower Clinical Analytics offers to radiologists advanced capabilities to extract, aggregate, analyse, and report on the data.

## Powerful tools support improved outcomes

Cloud-hosted mPower Clinical Analytics harnesses the power of AI to unlock actionable information to deliver improved clinical and financial outcomes and facilitate the transition to value-based imaging.

- **Enterprise search.** Proprietary search and natural language understanding (NLU) technologies accelerate access to detailed, actionable information in radiology reports and other clinical data sources. You can easily collect and aggregate clinical and performance data, and even build your own data sets for validation of AI models in your clinical setting.
- **Quality analytics.** Easy-to-use tools enable radiology practices to profile and validate performance and clinical outcomes and affirm radiologists' value in the care continuum.
- **Findings analytics.** Language understanding algorithms allow size-based measurement extraction and tracking to facilitate outcomes reporting and quality improvement.
- **Business analytics.** Detailed reports uniquely support radiology practices in optimising and refining business processes.

## Insights, quality and performance

mPower Clinical Analytics takes the unstructured radiology report narrative and leverages cloud-powered language understanding algorithms to provide valuable insight. mPower's interactive approach instantly offers easy-to-understand information that eliminates the time-consuming, iterative process typical of data analysis, provides you with an unmatched look at your institution's report quality and business performance, and gives the ability to review reporting versus billing to ensure all radiology exams are reported and are claimed legitimately with Medicare.

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## KEY BENEFITS

- Improves follow-up consistency and compliance
  - Increases revenues
  - Improves compliance
  - Decreases errors and medico-legal risk
  - Evaluates outcomes and quality
  - Supports AI validation and adoption
  - Reduces unnecessary imaging
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## Outcomes

Success in the era of value-based care requires radiology to contribute to improved outcomes. With applying robust analytics, organisations can:

- **Reduce length of stay.** Track inpatient recommendations to help facilitate care coordination and support initiatives to reduce length of stay.
- **Reduce inappropriate imaging.** Identify outliers, guide quality improvement efforts, and reduce unnecessary ordering.
- **Increase practice efficiency.** Analyse and monitor processes to drive performance improvement and deliver effective clinical care.

## Mobilise for success with advanced analytics

- Extract specific measurements easily from narrative text to drive clinical and quality improvements.
- Build custom data sets to validate AI models within your clinical setting.
- Analyse multiple variables simultaneously, build custom graphs, view real-time dashboards, and display cumulative data with ease.
- Harness sophisticated quality control algorithms to optimise clinical and financial performance, including:
  - Laterality and sex mismatch; limited vs. complete ultrasound mismatch
  - Critical results and notification documentation

Nuance values data privacy and does not keep your data longer than reasonably necessary.

## LEARN MORE

[australia.nuance.com/mpower](https://australia.nuance.com/mpower)

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## POWER IN THE CLOUD

Nuance mPower harnesses the secure and robust technology of Microsoft Azure in Australia. Our cloud-hosted platform supports your analytics efforts further with the data and understanding you need to deliver results-driven radiology services and optimal patient care.

Benefits include:

- **Faster innovation delivery and easier upgrades** to minimise service disruptions
  - **Enhanced security** with industry-leading cloud platform technology
  - **Reduced total cost of ownership** with smaller IT footprint and reduced maintenance burden
  - **Advanced data cleanup and data handling** to accommodate multiple organisations and data sources
  - **Individualised radiologist dashboards** for updates on quality events, follow-up recommendations, and productivity
  - **Optimised system.** A customer success executive assigned to your account will work with you to help optimise the system and drive change control within your organisation.
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## About Nuance Communications, Inc.

[Nuance Communications](https://www.nuance.com) (Nuance) is a technology pioneer with market leadership in conversational AI and ambient intelligence. A full-service partner trusted by 77 percent of U.S. hospitals and 85 percent of the Fortune 100 companies worldwide, Nuance creates intuitive solutions that amplify people's ability to help others.