NUANCE

Nuance Precision Imaging Network for cardiothoracic health

Unlock the power of AI from point-of-read to point-of-care. Promoting more seamless workflow capabilities, data sharing at scale, and greater interoperability.

From screening through follow-up management, AI applications have proven essential in the effort to promote earlier detection of lung disease, lung cancer, and cardiovascular disease. The Nuance Precision Imaging Network (PIN) facilitates the ability for cardiothoracic programs to deliver more quantitative, condition-related information to imaging stakeholders by providing access to a wide range of advanced lung and heart imaging capabilities.

Through Nuance PIN, imaging stakeholders take advantage of an ever-growing selection of partner AI solutions designed specifically to help improve cardiothoracic patient outcomes, while assisting healthcare teams to potentially reduce costs, meet performance goals, and maximize performance-based reimbursements.

Intelligent imaging
Nuance PIN offers multiple AI partner solutions designed to help healthcare teams triage and quantify lung and heart diseases. From automatic lung nodule detection to automatically analyzing population screening chest CTs, to quantifying cardiovascular ultrasound images, PIN allows users to access powerful imaging insights. By providing rich data and visualization of patient conditions, participating clinicians can facilitate more accurate disease diagnosis and staging, more informed treatment decisions, and better tracking of patient progress.

Integrated workflow
Nuance PIN is designed to streamline, simplify, and secure workflow capabilities while integrating effortlessly into existing systems. Our AI-powered solutions that serve as the foundation for PIN are trusted, scalable, and built to perform. Nuance PowerScribe is already used in 80%[1] of today's diagnostic reporting workflows and our PowerShare infrastructure expedites patient care with real-time image sharing that allows users to access, exchange, and view medical images—anytime anywhere—across more than 12,000[2] connected facilities.

HIGHLIGHTS

PIN delivers AI insights to healthcare teams for multiple cardiothoracic pathologies:

— Aid in detection and characterization of pulmonary nodules in LDCT exams.

— Provide quantitative pulmonary tissue and RV/LV analyses.

— Improve visibility of lung parenchyma and lines/tubes.

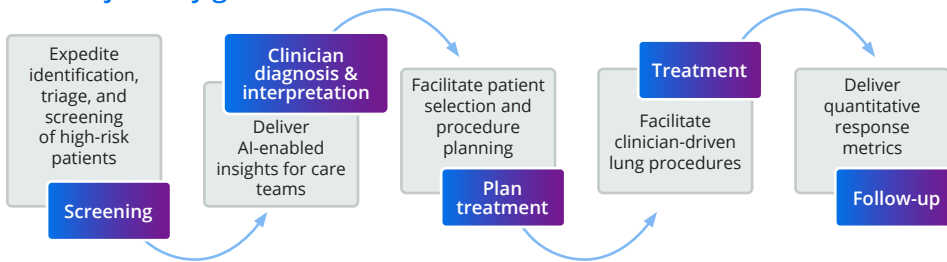— Support full automation for analysis of echocardiography.

Informed patient care

With a focus on supporting opportunistic screening initiatives for lung disease, lung cancer, and cardiovascular disease, Nuance PIN centers on supplying AI imaging insights that facilitate multidisciplinary team collaboration and objective disease management for better patient care.

Nuance PIN delivers imaging AI insights to facilitate greater cardiothoracic team collaboration

Patient journey goals:

- Expedite identification, triage, and screening of high-risk patients — **Screening**
- **Clinician diagnosis & interpretation** / Deliver AI-enabled insights for care teams
- Facilitate patient selection and procedure planning — **Plan treatment**
- **Treatment** / Facilitate clinician-driven lung procedures
- Deliver quantitative response metrics — **Follow-up**

One platform to advance an enterprise-wide AI strategy

While AI-powered solutions can help bridge medical information silos and deliver improved patient outcomes, success requires a thoughtful, strategic approach. Too often, when hospitals and healthcare organizations struggle with multiple integration points and contracts, IT burdens and security risks, and cumbersome workflows, or lack appropriate model performance tracking, it can be difficult to achieve AI's full potential.

The Nuance Precision Imaging Network™ (PIN) was created to deliver more value to all imaging stakeholders through seamless hosting, integration, and management of partner AI services using a single data-driven platform. Together, we are connecting point-of-read to point-of-care by combining Nuance's industry-leading workflows and vast reporting and image-sharing infrastructure with the scale, security, and strength of Microsoft Azure.

Imaging specialties
- Neurology
- Cardiothoracic
- Women's Health
- MSK
- Abdominal & Prostate

LEARN MORE

Learn more at nuance.com/PIN

About Nuance Communications, Inc.
Nuance Communications 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 more than 75 percent of the Fortune 100 companies worldwide, Nuance creates intuitive solutions that amplify people's ability to help others. Nuance is a Microsoft company.