

Lung Cancer Screening Improving and Automating Program Management

Better patient care and reimbursement through integrated systems for management, reporting, and ACR Registry integration.

Challenge

Building a targeted program for LDCT lung cancer screening (LCS) requires excellent communication and meticulous attention to follow-up that can be difficult to achieve without seamless integration into the overarching department systems and workflow. Beyond the many mandated steps included in every patient screening, there is also the potential for detection of significant incidental findings. Therefore, it is especially crucial that the reporting and management of incidental findings be well integrated into the department's standard reporting and follow-up systems.

With more than 10 million Americans meeting the high-risk criteria, there is a steep burden on hospitals and imaging centers trying to run these programs with clinical and financial efficiency. How can providers and practices efficiently collect, report, and follow-up with lung cancer screening patients while maximizing reimbursements, improving productivity and optimizing workflows?

Solution

Successful providers will facilitate program management with systems that are seamlessly integrated with their core infrastructure—reducing manual workload, improving efficiency, and intelligently prompting providers toward relevant and timely tasks.

Nuance® PowerScribe® 360 Lung Cancer Screening effectively manages an end-to-end LCS program, including:

- Enrollment and eligibility verification
- Reporting assistance through add-on clinical (Lung-RADS™) guidelines
- Integrated data capture from reporting systems
- Comprehensive results communication for lung screening information and incidental findings
- Workflow automation for communication tasks and patient follow-up compliance
- Operational and health outcomes measures tracking
- Integration to the ACR National Radiology Data Registry

Managing positive findings across the enterprise

Follow-up for lung cancer screening patients with positive findings can pose serious workflow challenges for departments. Diagnostic imaging follow-up exams are sometimes ordered without exam codes specific to a screening program or proper indication specific to lung cancer follow-up. Given the high overall health risk for many of these patients, they may also be imaged

Key Benefits

- **Easy management** of mandated screening steps, including documentation of encounters and results communication
- **Powerful custom fields** for capturing all data points, including Lung-RADS scores and results, and incidental finding communication
- **Data-driven** off-standard workflow and report template customization
- **Automated electronic delivery** to the ACR
- **Leverages PowerScribe 360 Reporting's** structured, flexible reporting platform

Fast Facts

- 1** For every 320 individuals screened, 1 life is saved from death by lung cancer
- 2** If detected at stage 1, lung cancer 5-year survival rate is 90%¹
- 3** On February 15, 2015, The Centers for Medicare & Medicaid Services (CMS) began **funding screening** for lung cancer with low dose computed tomography (LDCT)
- 4** 7%-10% of patients screened will have incidental findings requiring separate follow-up

for reasons other than lung cancer. These images and reports could contain information on changes in nodule size between screening exams, and impact the follow-up interval. Diagnostic CTs could be read by any radiologist who routinely interprets chest CTs, but who may not have extensive familiarity with the Lung-RADS scoring algorithm. PowerScribe 360 Lung Cancer Screening connects the program navigators to patients currently enrolled in the screening program, informs them about new or unrelated images, and prompts each role with guidance at the appropriate time.

Leveraging your PowerScribe 360 investment

This one-of-a-kind lung cancer screening management tool uses the combined power of the PowerScribe 360 Reporting platform and Nuance’s PowerShare™ Network. This comprehensive solution eases the creation and ongoing management of lung cancer screening programs, making it easier for physicians and hospitals to screen and follow high risk-patients, as well as gain reimbursement for these services.

PowerScribe 360 Reporting users can take advantage of existing custom fields to capture data points and streamline the submission of LCS data, maximizing reimbursements and avoiding the need for other cumbersome, limited reporting mechanisms.

Estimating the actual time saved through automation of data collection

Utilizing data from currently operating lung screening programs as a basis for this analysis, including hospitals with screening programs in operation for at least 2 years and approximately 2,600 lung screening exams per year.

PowerScribe 360 Lung Cancer Screening alongside PowerShare eases the burden of LCS reporting by combining powerful structured reporting, auto-loading templates, auto text with custom pick-lists, proven speech recognition technology, and the ability to designate specific fields as mandatory with the option to submit data through the ACR’s Lung Cancer Screening Registry. At Nuance, we are constantly looking ahead—as these and other reporting requirements evolve and expand—to provide tools to meet today’s needs and tomorrow’s challenges.

To learn more about how Nuance Healthcare can help you improve financial performance, raise the quality of care and increase clinician satisfaction, please contact us at 1-877-805-5902 or visit nuance.com/healthcare.



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