

# QUANTITATIVE IMAGING WORKSHOP XIX:

## Utilizing Quantitative Thoracic Imaging to Optimize Population Health

November 3-4, 2022 | Virtual

*The Quantitative Imaging Workshop (QIW), convened by the Prevent Cancer Foundation in partnership with the American Lung Association on November 3-4, 2022, is a high-impact, multi-disciplinary forum for the advancement of quantitative CT imaging biomarkers for early thoracic disease management. Attendees will explore exciting new biomedical opportunities that arise with use of these transformational imaging technologies. The Workshop convenes leading stakeholders from industry, academia, professional societies, government and patient advocacy to discuss progress and make recommendations about next steps.*

### JOIN THESE DISCUSSIONS AT QIW XIX:

This year's QIW, held in a primarily virtual format, will frame early detection of lung cancer, COPD and cardiovascular disease through thoracic imaging as a cornerstone of effective public health. Sessions will cover pragmatic issues with thoracic screening to accelerate the implementation of lung cancer screening, evolving innovations in early detection technology, issues related to health equity and the refinement of imaging to enable the transition to population health.

#### Value of Thoracic Screening

A recent report revealed that 30% of veterans offered screening declined this opportunity despite veterans' very high rates of lung cancer. This session explores the perceptions of screen-eligible individuals to better understand the basis of their screening choices. Conceptualizing how early detection leads to interventions that preempt lethal consequences of tobacco use needs to be better communicated within distinct communities to better convey the value of thoracic screening and to advance implementation research.

#### Population Health and Clinical Implications of Thoracic CT Screening & Image Quality

Conversations during QIW XIX will explore compensation incentives for lung cancer screening as being developed within evolving population health paradigms. How to communicate about the screening process to enable the goals of more efficient and effective outcomes across all of the relevant communities is an urgent challenge. A strategy in this regard involves leveraging incentives such as with HEDIS measures and Star ratings to include the use of quantitative image analysis data to guide early interventions for major diseases.

#### Screening as a Vehicle to Achieve Health Equity

Emerging evidence suggests that women and African Americans are particularly vulnerable to the impact of tobacco use in regard to lung cancer and emphysema. A benefit of thoracic CT is that it can visualize both these diseases in the screening setting and is a critical tool to address health equity by integrating the care of these two major public health challenges. QIW XIX discussions will consider how to include image data that is representative of all eligible screening candidates which will require consideration of interactive issues from health policy, advocacy, clinical and imaging science and informatics.

#### Technical Developments in Screening and AI-enabled Workflow Integration

Photon counting will have a broad impact on thoracic CT imaging due to enhancements in resolution and potential spectral metrics along with reduction in required medical radiation dose. The reduction in medical radiation is important from a public health perspective since it improves the benefits-to-harms ratio of lung cancer screening. We will strategically review the evolution of imaging in thoracic screening and needs and challenges around the integration of AI-enabled workflows to provide actionable lung health metrics.

**Registration for this critical forum is free of charge.** For additional information, visit the [QIW XIX](#) website.

**[REGISTER NOW](#) for the November 3-4 Quantitative Imaging Workshop!**