

What Is the Magnitude of the Risk of Malignancy Among New or Growing Nodules Detected on Follow-up Low-Dose CT Imaging?

STUDY DESIGN

Retrospective review of the low-dose CT imaging screening arm of the **National Lung Cancer Screening Trial** to **quantify the risk of malignancy** of **new or growing nodules** detected on follow-up rounds of imaging

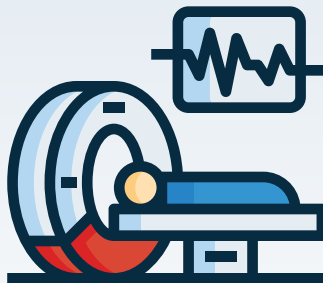
24,604 participants with baseline and low-dose CT imaging follow-up



6,952 had nodules on first follow-up imaging



208 diagnosed with lung cancer



RESULTS

New nodules associated

4x ↑ lung cancer diagnosis
(OR, 3.9; 95% CI, 2.51 to 6.05)

Preexisting nodules with growth associated

20x ↑ lung cancer diagnosis
(OR, 19.7; 95% CI, 13.6 to 28.4)

In this study, new and growing nodules detected on follow-up low-dose CT imaging were shown to be associated strongly with the risk of malignancy.