

I'm not a robot   
reCAPTCHA

Next

- LungRADS 1: Negative - next LDCT in 12 months
  - Solid nodules < 4 mm
  - Ground glass nodules < 5 mm
  - Characteristically benign findings: atelectasis, scarring, calcified granuloma, etc
- LungRADS 2: Benign - next LDCT in 12 months
  - Solid nodules > 4 mm but stable for > 2 years
  - Biopsy proven benign histology (eg, necrotizing granuloma)
- LungRADS 3: Positive, likely benign (< 4% chance of malignancy)
  - Solid nodules 4-8 mm or ground glass nodules > 5 mm → next LDCT in 3-6 months
  - Stable nodules without documented 2 years of stability → next LDCT in 6-12 months
  - Probable infection/inflammation → next LDCT in 1-2 months, consider antibiotics
- LungRADS 4: Positive, suspicious for malignancy (> 4% chance of malignancy)
  - Growing solid or ground glass nodule
  - Solid nodule greater than 8 mm
  - Other findings suspicious for malignancy (adenopathy/effusion)
  - Pulmonary consultation advised
- LungRADS 5: Known cancer
- Significant incidental findings "Category S":
  - Positive(P) or Negative(N)
  - Indeterminate breast, liver, kidney, adrenal lesions, aneurysms, etc
- 10 final assessments (1P, 1N, 2P, 2N, 3P, 3N, 4P, 4N, 5P, 5N)

ATS (12)	USPSTF (10)	NCCN (11)	ACS (1)
79 years with ≥ 30 pack year history of Lung cancer and age ≥ 50 with ≥ 20 pack year history of smoking and added risk factors for developing lung cancer within 5 years	Age 55-79 years with ≥30 pack year smoking history and one additional risk factor (other than second-hand smoke exposure) (category 1)*; OR: age ≥50 years and ≥20 pack year smoking history and one additional risk factor (other than second-hand smoke exposure) (category 2B)**†	Age 55-74 years with ≥30 pack year smoking history and currently smoke or smoking cessation <15 years (category 1)*; OR: age ≥50 years and ≥20 pack year smoking history and one additional risk factor (other than second-hand smoke exposure) (category 2B)**†	Age 55-74 years with ≥30 pack year smoking history and currently smoke or smoking cessation <15 years (category 1)*; OR: age ≥50 years and ≥20 pack year smoking history and one additional risk factor (other than second-hand smoke exposure) (category 2B)**†
LOW	Annual Low dose CT	Annual Low dose CT	Annual Low dose CT
in solid nodule; NA	>6 mm solid or part solid nodule	NA (as per NCCN)	
in Ground Glass (as per NSLT)			

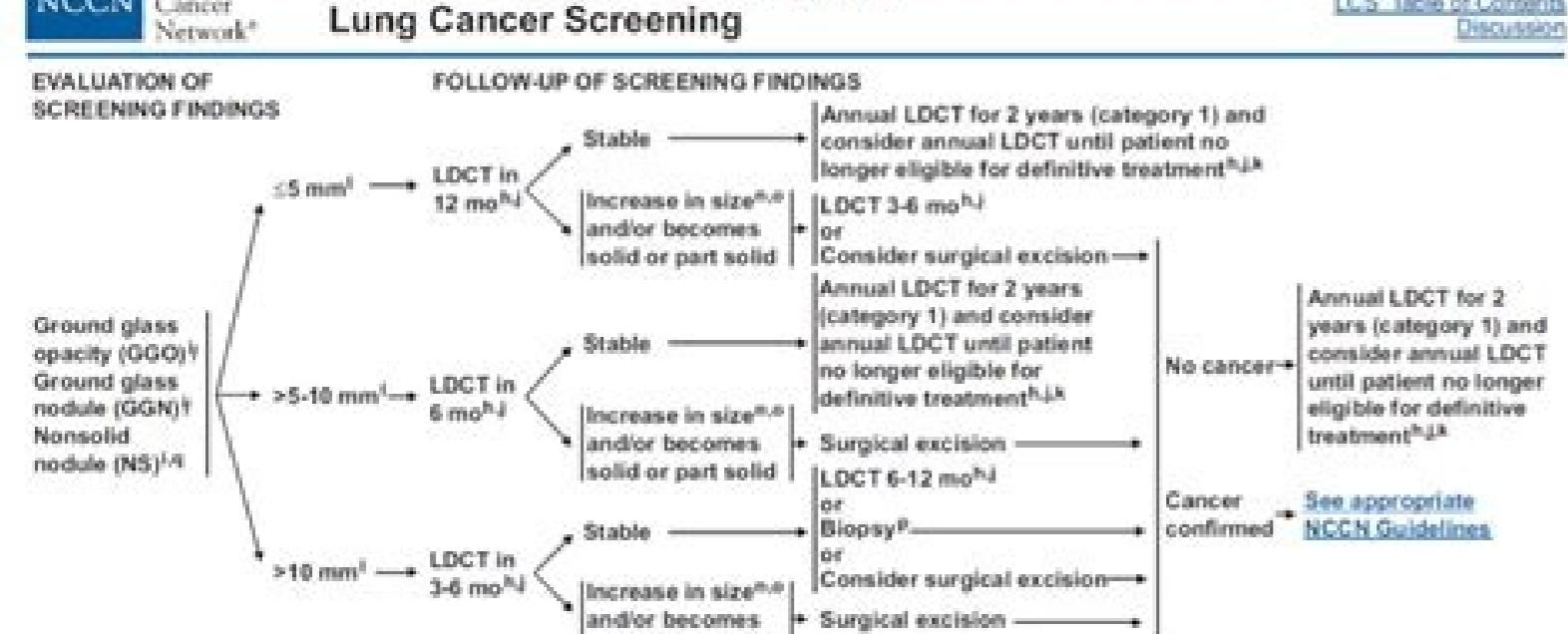
In high-level evidence, there is uniform NCCN consensus that the intervention is appropriate; in low-level evidence, there is NCCN consensus that the intervention is appropriate; †. \*Other risk factors include exposure (e.g., silica, cadmium, asbestos, arsenic, beryllium, chromium, diesel fuel), comorbid disease history (COPD, pulmonary fibrosis), and family history of lung cancer.

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NCCN Guidelines Version 1.2014 Lung Cancer Screening

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Discussion



<sup>a</sup>All screening and follow-up CT scans should be performed at low dose (100-120 kV & 40-60 mAs or less), unless evaluating mediastinal abnormalities or lymph nodes, where standard dose CT with IV contrast might be appropriate. (See Table 2.) There should be a systematic process for appropriate follow-up. Within a benign pattern of calcification, fat in nodule as in hamartoma, or features suggesting inflammatory etiology. When multiple nodules are present and occult malignant potential is a possibility, a portion of a nodule or a new nodule can be sampled with a transcutaneous, transbronchial, or endobronchial biopsy, followed by LDCT 1-2 months later. <sup>b</sup>If new nodule at annual or follow-up LDCT, see LCS-6. New nodule is defined as ≥ 3 mm in mean diameter. <sup>c</sup>There is uncertainty about the appropriate duration of screening and the age at which screening is no longer appropriate. Mean diameter is the mean of the two longest diameter of the nodule and its perpendicular diameter. <sup>d</sup>For nodules <15 mm, increase in size ≥ 5% compared to baseline scan. For nodules ≥15 mm, increase in mean diameter of ≥10% compared to baseline scan. <sup>e</sup>Rapid increase in size should raise suspicion of inflammatory etiology or malignancy other than NSCLC. <sup>f</sup>Tissue samples need to be adequate for both histology and molecular testing. Travis WD, et al. Diagnosis of lung cancer in small biopsies and cytology: Implications of the 2011 WHO classification. American Association for the Study of Lung Cancer/American Thoracic Society/European Respiratory Society Classification. Arch Pathol Lab Med 2013;137:668-684. <sup>g</sup>It is crucial that all GGO/GGN/nodules lesions must be reviewed at thin (~1.5 mm) slices to exclude any solid components. Any solid component to the nodule requires management of the lesion with the part-solid recommendations (see LCS-3).

Note: All recommendations are category 2A unless otherwise indicated.  
Clinical Trials: NCCN believes that the best management of any cancer patient is in a clinical trial. Participation in clinical trials is especially encouraged.

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LCS-4



