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# The Weill Cornell Lung Cancer Appropriate Use Criteria (AUC) addresses twenty-eight clinical conditions and makes recommendations to optimize diagnostic effectiveness.

	Common Clinical Conditions
0	Not Related to Lung Cancer
1	Chest X-Ray Density, Possible Lung Nodule
2	High-Risk Appearing Nodule
3	Incidental Pulmonary Nodule, Age Less Than 35
4	Incidental Pulmonary Nodule, Cancer or Fever
5	Initial Screen, does not meet Lung Cancer Screening Inclusion Criteria
6	Initial Screen, meets Lung Cancer Screening Inclusion Criteria
7	Known Lung Cancer, Follow Up Surgery
8	Known Lung Cancer, Staging
9	Known Lung Cancer, Treatment Complication
10	Lung Cancer Care, no AUC Applicable
11	Lung Cancer Screening Follow-Up
12	Multiple Incidental Pulmonary Nodules, Solid, <6 mm, High-Risk Exposure
13	Multiple Incidental Pulmonary Nodules, Solid, 6+ mm, High-Risk Exposure
14	Multiple Incidental Pulmonary Nodules, Solid, Low Risk, <6 mm
15	Multiple Incidental Pulmonary Nodules, Solid, Low Risk, 6+ mm
16	Multiple Subsolid Incidental Pulmonary Nodules, Largest <6 mm
17	Multiple Subsolid Incidental Pulmonary Nodules, Largest 6+ mm
18	Single Incidental Pulmonary Nodule, Solid, High-Risk Exposure, <6 mm
19	Single Incidental Pulmonary Nodule, Solid, High-Risk Exposure, 6-8 mm
20	Single Incidental Pulmonary Nodule, Solid, High-Risk Exposure, 6-8 mm
21	Single Incidental Pulmonary Nodule, Solid, Low Risk, <6 mm
22	Single Incidental Pulmonary Nodule, Solid, Low Risk, 6-8 mm
23	Single Incidental Pulmonary Nodule, Solid, Low Risk, 8+ mm
24	Single Nonsolid Incidental Pulmonary Nodule, Ground Glass, <6 mm
25	Single Nonsolid Incidental Pulmonary Nodule, Ground Glass, 6+ mm
26	Single Part-Solid Incidental Pulmonary Nodule, Solid Component <6 mm
27	Single Part-Solid Incidental Pulmonary Nodule, Solid Component 6+ mm
28	Suspected Lung Cancer or Suspected Recurrence

# The Lung Cancer AUC is activated when a user orders one of the following four Advanced Imaging Procedures.

	Advanced Imaging Procedures
1	CT Chest without Contrast
2	CT Chest with Contrast
3	CT Chest with and without Contrast
4	CT Lung Cancer Screen (CT Chest without contrast - Low Dose)

# **Lung Cancer Appropriate Use Criteria**<sup>®</sup>

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The Lung Cancer AUC recommends from the following six Imaging Procedures based on the clinical condition.

	Advanced Imaging Procedures
1	CT Chest without Contrast
2	CT Chest with Contrast
3	CT Chest with and without Contrast
4	CT Lung Cancer Screen (CT Chest without contrast - Low Dose)
5	PET/CT Whole Body
6	CT Chest, Abdomen, Pelvis with Contrast

# **Logic Tables**

The following Clinical Condition Logic Tables provide the Lung Cancer AUC logic for each clinical condition. The logic includes priors, contraindications, metal reduction and advanced US techniques where applicable.

# Key

Value	Score
Blank	No Score Assigned
0	AUC Not Applicable
1	Inappropriate
2	Contact Radiology
3	Appropriate
4	Appropriate Preferred

## **Advice Text**

The Advice Text provided in each condition is for Ordering Provider Education only and is not included in the logic.

## **Condition 0 – Not Related to Lung Cancer**

Base Condition	CT Chest WO	CT Chest W	CT Chest WWO	CT Lung Cancer Screen	PET/CT Whole Body	CT Chest/Abd/Pelvis W	Reference
Not related to Lung Cancer	0	0	0	0	0	0	NA

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#### Condition 1 – Chest X-Ray Density, Possible Lung Nodule

Condition	Contraindication	CT Chest WO	CT Chest W	CT Chest WWO	CT Lung Cancer Screen	PET/CT	CT Chest/Abd/Pelvis W	Reference	Advice Text
Chest X-Ray Density, Possible Lung Nodule		3	4	1	4	1		1	а
Chest X-Ray Density, Possible Lung Nodule	IOD	4	1	1	4	1		1	b

#### **Condition 1 - Advice Text**

- a CT Chest with contrast preferred for new chest x-ray density and pulmonary nodule suspected.
- b CT Chest without contrast preferred for new chest x-ray density and pulmonary nodule suspected when iodinated contrast contraindicated.

# **Condition 2 - High-Risk Appearing Nodule**

Condition	Contraindication	CT Chest WO	CT Chest W	CT Chest WWO	CT Lung Cancer Screen	PET/CT	CT Chest/Abd/Pelvis W	Reference	Advice Text
High-Risk Appearing Nodule		4	4	1	4	1		1	а
High-Risk Appearing Nodule	IOD	4	1	1	4	1		1	b

#### **Condition 2 - Advice Text**

- a Management of high-risk appearing nodule (irregular contour or per radiology): CT Chest with contrast, CT Chest without contrast at 3 months, or Low Dose Chest CT. If stable, CT Chest with contrast or CT Chest without contrast at 12 months and 24 months.
- b Management of high-risk appearing nodule (irregular contour or per radiology): When iodinated contrast contraindicated, CT Chest without contrast or Low Dose Chest CT at 3 months. If stable, CT Chest without contrast or Low Dose Chest CT at 12 months and 24 months.

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# Condition 3 - Incidental Pulmonary Nodule, Age Less Than 35

Condition	Contraindication	CT Chest WO	CT Chest W	CT Chest WWO	CT Lung Cancer Screen	PET/CT	CT Chest/Abd/Pelvis W	Reference	Advice Text
Incidental Pulmonary Nodule, Age Less Than 35		4	4	1	4	1		NA	a
Incidental Pulmonary Nodule, Age Less Than 35	IOD	4	1	1	4	1		NA	b

## **Condition 3 - Advice Text**

- a CT Chest with contrast, CT Chest without contrast, or Low Dose Chest CT preferred for pulmonary nodule(s) in patients less than 35 years of age.
- b CT Chest without contrast or Low Dose Chest CT preferred for pulmonary nodule(s) in patients less than 35 years of age when iodinated contrast contraindicated.

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## Condition 4 - Incidental Pulmonary Nodule, Cancer or Fever

Condition	Contraindication	CT Chest WO	CT Chest W	CT Chest WWO	CT Lung Cancer Screen	PET/CT	CT Chest/Abd/Pelvis W	Reference	Advice Text
Incidental Pulmonary Nodule, Cancer or Fever		3	4	1	4	1		LBP	а
Incidental Pulmonary Nodule, Cancer or Fever	IOD	4	1	1	4	1		LBP	b

#### **Condition 4 - Advice Text**

- a CT Chest with contrast or Low Dose Chest CT preferred for pulmonary nodule with history of cancer or fever.
- b CT Chest without contrast or Low Dose Chest CT preferred for pulmonary nodule with history of cancer or fever when iodinated contrast contraindicated.

## Condition 5 - Initial Screen, does not meet Lung Cancer Screening Inclusion Criteria

Condition	· Chest WO	· Chest W	· Chest WWO	Lung Cancer Screen	:т/ст	- Chest/Abd/Pelvis W	Reference
	CT	CT (	CT (	CT 1	PET	CT (	Ref
Initial Screen, does not meet Lung Cancer Screening inclusion criteria	1	1	1	1	1		2

#### **Condition 5 - Advice Text**

This patient does not meet criteria for lung cancer screening as defined by the USPSTF. The inclusion criteria are: Asymptomatic, age 55-80, current or former smoker with quit date within 15 years, 30 pack years, and attestation of shared decision making.



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# Condition 6 – Initial Screen, meets Lung Cancer Screening Inclusion Criteria

Condition	CT Chest WO	CT Chest W	CT Chest WWO	CT Lung Cancer Screen	PET/CT	CT Chest/Abd/Pelvis W	Reference
Initial screen, meets Lung Cancer Screening inclusion criteria	1	1	1	4	1		2

## **Condition 6 - Advice Text**

Lung cancer screening appropriate.

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# Condition 7 – Known Lung Cancer, Follow Up Surgery

Condition	Contraindication	CT Chest WO	CT Chest W	CT Chest WWO	CT Lung Cancer Screen	PET/CT	CT Chest/Abd/Pelvis W	Reference	Advice Text
Known lung cancer, follow-up surgery		3	4	1	1	1		4	а
Known lung cancer, follow-up surgery	IOD	4	1	1	1	1		4	b

## **Condition 7 - Advice Text**

	а	CT Chest with contrast	preferred for lung	g cancer surger	v follow-up.
п	a	CI CICSE WILL COLLINS	preferred for farig	5 carreer sarger	y 10110 v

b CT Chest without contrast preferred for lung cancer surgery follow-up when iodinated contrast contraindicated.

# Condition 8 - Known Lung Cancer, Staging

Condition	Contraindication	CT Chest WO	CT Chest W	CT Chest WWO	CT Lung Cancer Screen	PET/CT	CT Chest/Abd/Pelvis W	Reference	Advice Text
Known lung cancer, staging		1	3	1	1	4	4	3-4	а
Known lung cancer, staging	IOD	4	1	1	1	4		3-4	b

## **Condition 8 - Advice Text**

b CT Chest without contrast or PET/CT preferred for lung cancer staging when iodinated contrast contraindicated.

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## **Condition 9 – Known Lung Cancer, Treatment Complication**

Condition	tion			0	er Screen		/Abd/Pelvis W		
	Contraindication	CT Chest WO	CT Chest W	CT Chest WWO	CT Lung Cancer	PET/CT	CT Chest/Abd,	Reference	Advice Text
Known lung cancer, treatment complication		3	4	3	1	1		4, LBP	а
Known lung cancer, treatment complication	IOD	4	1	1	1	1		4, LBP	b

## **Condition 9 - Advice Text**

a   CT Chest with contrast preferred for lung cancer treatment complication assessment
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# Condition 10 – Lung Cancer Care, no AUC Applicable

Condition				reen		is W
	T Chest WO	CT Chest W	CT Chest WWO	T Lung Cancer Scr	PET/CT	.T Chest/Abd/Pelvis
Lung cancer care, no AUC applicable	0	0	0	0	0	0

## **Condition 10 - Advice Text**

Not covered by guidelines.

CT Chest without contrast preferred for lung cancer treatment complication assessment when iodinated contrast contraindicated.

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## Condition 11 - Lung Cancer Screening Follow-Up

Condition	CT Chest WO	CT Chest W	CT Chest WWO	CT Lung Cancer Screen	PET/CT	CT Chest/Abd/Pelvis W	Reference
Lung Cancer Screening Follow-Up	0	0	0	0	0		2

## **Condition 11 - Advice Text**

Not covered by guidelines.

## Condition 12 - Multiple Incidental Pulmonary Nodules, Solid, <6 mm, High-Risk Exposure

Condition	Contraindications	CT Chest WO	CT Chest W	CT Chest WWO	CT Lung Cancer Screen	PET/CT	CT Chest/Abd/Pelvis w	Reference
Suspected lung cancer or suspected recurrence		3	3	1	4	1		2
Suspected lung cancer or suspected recurrence	IOD	3	1	1	4	1		2

#### **Condition 12 - Advice Text**

- a CT Chest with contrast preferred for lung cancer treatment complication assessment.
- b CT Chest without contrast preferred for lung cancer treatment complication assessment when iodinated contrast contraindicated.

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#### Condition 13 – Multiple Incidental Pulmonary Nodules, Solid, 6+ mm, High-Risk Exposure

Condition	Contraindication	CT Chest WO	CT Chest W		CT Lung Cancer Screen	PET/CT	CT Chest/Abd/Pelvis W	Reference	ല
Multiple Incidental Pulmonary Nodules, Solid, 6+ mm, High-Risk Exposure		3	3	1	4	1		2	а
Multiple Incidental Pulmonary Nodules, Solid, 6+ mm, High-Risk Exposure	IOD	3	1	1	4	1		2	b

#### **Condition 13 - Advice Text**

- a Management of multiple well-circumscribed, solid nodules 6 mm or more with high-risk exposure: Low Dose Chest CT at 3-6 months. If stable, Low Dose Chest CT at 18 to 24 months.
- b Management of multiple well-circumscribed, solid nodules 6 mm or more with high-risk exposure: When iodinated contrast contraindicated, Low Dose Chest CT at 3-6 months. If stable, Low Dose Chest CT at 18 to 24 months.

## Condition 14 - Multiple Incidental Pulmonary Nodules, Solid, Low Risk, <6 mm

Condition	CT Chest WO	CT Chest W	CT Chest WWO	CT Lung Cancer Screen	PET/CT	CT Chest/Abd/Pelvis W	Reference
Multiple Incidental Pulmonary Nodules, Solid, Low Risk, <6 mm	1	1	1	1	1		2

#### **Condition 14 - Advice Text**

Imaging not recommended for well-circumscribed, solid nodule less than 6 mm without high-risk exposure.

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#### Condition 15 - Multiple Incidental Pulmonary Nodules, Solid, Low Risk, 6+ mm

Condition	Contraindication	CT Chest WO	CT Chest W	CT Chest WWO	CT Lung Cancer Screen	PET/CT	CT Chest/Abd/Pelvis W	Reference	Advice Text
Multiple Incidental Pulmonary Nodules, Solid, Low Risk, 6+ mm		3	3	1	4	1		2	а
Multiple Incidental Pulmonary Nodules, Solid, Low Risk, 6+ mm	IOD	3	1	1	4	1		2	b

#### **Condition 15 - Advice Text**

- a Management of multiple well-circumscribed, solid nodules 6 mm or more with high-risk exposure: Low Dose Chest CT at 3-6 months. If stable, Low Dose Chest CT at 18 to 24 months.
- b Management of multiple well-circumscribed, solid nodules 6 mm or more with high-risk exposure: When iodinated contrast contraindicated, Low Dose Chest CT at 3-6 months. If stable, Low Dose Chest CT at 18 to 24 months.

## Condition 16 - Multiple Subsolid Incidental Pulmonary Nodules, Largest <6 mm

Condition	Contraindication	CT Chest WO	CT Chest W	CT Chest WWO	CT Lung Cancer	PET/CT	CT Chest/Abd/Pelvis	Reference	Advice Text
Multiple Subsolid Incidental Pulmonary Nodules, Largest <6 mm		3	3	1	4	1		2	а
Multiple Subsolid Incidental Pulmonary Nodules, Largest <6 mm	IOD	3	1	1	4	1		2	b

#### **Condition 16 - Advice Text**

- a Management of multiple subsolid nodules less than 6 mm: Low Dose Chest CT at 3-6 months. If stable, Low Dose Chest CT at 24 months and 48 months.
- b Management of multiple subsolid nodules less than 6 mm: When iodinated contrast contraindicated, Low Dose Chest CT at 3-6 months. If stable, Low Dose Chest CT at 24 months and 48 months.

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#### Condition 17 - Multiple Subsolid Incidental Pulmonary Nodules, Largest 6+ mm

Condition	Contraindication	CT Chest WO	CT Chest W	CT Chest WWO	CT Lung Cancer	PET/CT	CT Chest/Abd/Pelvis	Reference	Advice Text
Multiple Subsolid Incidental Pulmonary Nodules, Largest 6+ mm		3	3	1	4	1		2	а
Multiple Subsolid Incidental Pulmonary Nodules, Largest 6+ mm	IOD	3	1	1	4	1		2	b

## **Condition 17 - Advice Text**

- a Management of multiple subsolid nodules 6 mm or more: Low Dose Chest CT at 3-6 months. If stable, Low Dose Chest CT at 24 months and 48 months.
- b Management of multiple subsolid nodules 6 mm or more: When iodinated contrast contraindicated, Low Dose Chest CT at 3-6 months. If stable, Low Dose Chest CT at 24 months and 48 months.

## Condition 18 - Single Incidental Pulmonary Nodule, Solid, High-Risk Exposure, <6 mm

Condition	Contraindication	CT Chest WO	CT Chest W	CT Chest WWO	CT Lung Cancer	PET/CT	CT Chest/Abd/Pelvis	Reference	Advice Text
Single Incidental Pulmonary Nodule, Solid, High-Risk Exposure, <6 mm		3	3	1	4	1		2	а
Single Incidental Pulmonary Nodule, Solid, High-Risk Exposure, <6 mm	IOD	3	1	1	4	1		2	b

#### **Condition 18 - Advice Text**

- a Management of well-circumscribed, solid nodule less than 6 mm with high-risk exposure: Low Dose Chest CT at 12 months.
- b Management of well-circumscribed, solid nodule less than 6 mm with high-risk exposure: When iodinated contrast contraindicated, Low Dose Chest CT at 12 months.

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## Condition 19 - Single Incidental Pulmonary Nodule, Solid, High-Risk Exposure, 6-8 mm

Condition	Contraindication	CT Chest WO	CT Chest W	CT Chest WWO	CT Lung Cancer	PET/CT	CT Chest/Abd/Pelvis	Reference	Advice Text
Single Incidental Pulmonary Nodule, Solid, High-Risk Exposure, 6-8 mm		3	3	1	4	1		2	а
Single Incidental Pulmonary Nodule, Solid, High-Risk Exposure, 6-8 mm	IOD	3	1	1	4	1		2	b

## **Condition 19 - Advice Text**

- a Management of well-circumscribed, solid nodule 6-8 mm with high-risk exposure: Low Dose Chest CT at 6-12 months. If stable, Low Dose Chest CT at 18-24 months.
- b Management of well-circumscribed, solid nodule 6-8 mm with high-risk exposure: When iodinated contrast contraindicated, Low Dose Chest CT at 6-12 months. If stable, Low Dose Chest CT at 18-24 months.

# Condition 20 - Single Incidental Pulmonary Nodule, Solid, High-Risk Exposure, 6-8 mm

Condition	Contraindication	CT Chest WO	CT Chest W	CT Chest WWO	CT Lung Cancer	PET/CT	CT Chest/Abd/Pelvis	Reference	Advice Text
Single Incidental Pulmonary Nodule, Solid, High-Risk Exposure, 6-8 mm		4	3	1	4	4		2	а
Single Incidental Pulmonary Nodule, Solid, High-Risk Exposure, 6-8 mm	IOD	4	1	1	4	4		2	b

#### **Condition 20 - Advice Text**

- a Management of solid nodule 8 mm or more with high-risk exposure: CT Chest with contrast, CT Chest without contrast, Low Dose Chest CT, or PET/CT at 3 months. If stable, CT Chest with contrast, CT Chest without contrast, Low Dose Chest CT, or PET/CT at 12 months and 24 months.
- b Management of solid nodule 8 mm or more with high-risk exposure: When iodinated contrast contraindicated, CT Chest without contrast, Low Dose Chest CT or PET/CT at 3 months. If stable, CT Chest without contrast, Low Dose Chest CT or PET/CT at 12 months and 24 months.

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## Condition 21 - Single Incidental Pulmonary Nodule, Solid, Low Risk, <6 mm

Condition	CT Chest WO	CT Chest W	CT Chest WWO	CT Lung Cancer Screen	PET/CT	CT Chest/Abd/Pelvis W	Reference
Single Incidental Pulmonary Nodule, Solid, Low Risk, <6 mm	1	1	1	1	1		2

#### **Condition 21 - Advice Text**

Imaging not recommended for well-circumscribed, solid nodule less than 6 mm without high-risk exposure.

# Condition 22 - Single Incidental Pulmonary Nodule, Solid, Low Risk, 6-8 mm

Condition	Contraindication	CT Chest WO	CT Chest W	CT Chest WWO	CT Lung Cancer	PET/CT	CT Chest/Abd/Pelvis	Reference	Advice Text
Single Incidental Pulmonary Nodule, Solid, Low Risk, 6-8 mm		3	3	1	4	1		2	а
Single Incidental Pulmonary Nodule, Solid, Low Risk, 6-8 mm	IOD	3	1	1	4	1		2	b

#### **Condition 22 - Advice Text**

- a Management of well-circumscribed, solid nodule 6-8 mm without high-risk exposure: Low Dose Chest CT at 6-12 months. If stable, Low Dose Chest CT at 18-24 months.
- b Management of well-circumscribed, solid nodule 6-8 mm without high-risk exposure: When iodinated contrast contraindicated, Low Dose Chest CT at 6-12 months. If stable, Low Dose Chest CT at 18-24 months.

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#### Condition 23 - Single Incidental Pulmonary Nodule, Solid, Low Risk, 8+ mm

Condition	Contraindication	CT Chest WO	CT Chest W	CT Chest WWO	CT Lung Cancer	PET/CT	CT Chest/Abd/Pelvis	Reference	Advice Text
Single Incidental Pulmonary Nodule, Solid, Low Risk, 8+ mm		4	3	1	4	4		2	а
Single Incidental Pulmonary Nodule, Solid, Low Risk, 8+ mm	IOD	4	1	1	4	4		2	b

## **Condition 23 - Advice Text**

- a Management of solid nodule 8 mm or more with high-risk exposure: CT Chest with contrast, CT Chest without contrast, Low Dose Chest CT, or PET/CT at 3 months. If stable, CT Chest with contrast, CT Chest without contrast, Low Dose Chest CT, or PET/CT at 12 months and 24 months.
- b Management of solid nodule 8 mm or more with high-risk exposure: When iodinated contrast contraindicated, CT Chest without contrast, Low Dose Chest CT or PET/CT at 3 months. If stable, CT Chest without contrast, Low Dose Chest CT or PET/CT at 12 months and 24 months.

## Condition 24 - Single Nonsolid Incidental Pulmonary Nodule, Ground Glass, <6 mm

Condition	Chest WO	Chest W	Chest WWO	Lung Cancer Screen	ET/CT	Chest/Abd/Pelvis W	Reference
	CT CI	CT CI	CT CI	CT LL	PET/	CT CI	Refe
Single Nonsolid Incidental Pulmonary Nodule, Ground Glass, <6 mm	1	1	1	1	1		2

#### **Condition 24 - Advice Text**

Imaging not recommended for management of ground glass nodule less than 6 mm.

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#### Condition 25 - Single Nonsolid Incidental Pulmonary Nodule, Ground Glass, 6+ mm

Condition	Contraindication	CT Chest WO	CT Chest W	CT Chest WWO	CT Lung Cancer	PET/CT	CT Chest/Abd/Pelvis	Reference	Advice Text
Single Nonsolid Incidental Pulmonary Nodule, Ground Glass, 6+ mm		3	3	1	4	1		2	а
Single Nonsolid Incidental Pulmonary Nodule, Ground Glass, 6+ mm	IOD	3	1	1	4	1		2	b

#### **Condition 25 - Advice Text**

- a Management of ground glass nodule 6 mm or more: Low Dose Chest CT at 6-12 months. If stable, Low Dose Chest CT at 24 months, 48 months, and 72 months.
- b Management of ground glass nodule 6 mm or more: When iodinated contrast contraindicated, Low Dose Chest CT at 6-12 months. If stable, Low Dose Chest CT at 24 months, 48 months, and 72 months.

## Condition 26 - Single Part-Solid Incidental Pulmonary Nodule, Solid Component <6 mm

Condition	Contraindication	CT Chest WO	CT Chest W	CT Chest WWO	CT Lung Cancer	PET/CT	CT Chest/Abd/Pelvis	Reference	Advice Text
Single Part-Solid Incidental Pulmonary Nodule, Solid Component <6 mm		3	3	1	4	1		2	а
Single Part-Solid Incidental Pulmonary Nodule, Solid Component <6 mm	IOD	3	1	1	4	1		2	b

#### **Condition 26 - Advice Text**

- a | Management of part-solid nodule with solid component less than 6 mm: Low Dose Chest CT at 12-24 months.
- b Management of part-solid nodule with solid component less than 6 mm: When iodinated contrast contraindicated, Low Dose Chest CT at 12-24 months.

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#### Condition 27- Single Part-Solid Incidental Pulmonary Nodule, Solid Component 6+ mm

Condition	Contraindication	CT Chest WO	CT Chest W	CT Chest WWO	CT Lung Cancer	PET/CT	CT Chest/Abd/Pelvis	Reference	Advice Text
Single Part-Solid Incidental Pulmonary Nodule, Solid Component 6+ mm		3	3	1	4	1		2	а
Single Part-Solid Incidental Pulmonary Nodule, Solid Component 6+ mm	IOD	3	1	1	4	1		2	b

#### **Condition 27 - Advice Text**

- a Management of part-solid nodule with solid component 6 mm or more: Low Dose Chest CT at 3-6 months. If stable, Low Dose Chest CT at 12 months, 24 months, 36 months, 48 months, and 60 months.
- b Management of part-solid nodule with solid component 6 mm or more: When iodinated contrast contraindicated, Low Dose Chest CT at 3-6 months. If stable, Low Dose Chest CT at 12 months, 24 months, 36 months, 48 months, and 60 months.

## **Condition 28 – Suspected Lung Cancer or Suspected Recurrence**

Condition	Contraindication	CT Chest WO	CT Chest W	CT Chest WWO	CT Lung Cancer	PET/CT	CT Chest/Abd/Pelvis	Reference	Advice Text
Suspected Lung Cancer or Suspected Recurrence		3	4	1	1	1		3-4	а
Suspected Lung Cancer or Suspected Recurrence	IOD	4	1	1	1	1		3-4	b

#### **Condition 28 - Advice Text**

- a CT Chest with contrast preferred for suspected lung neoplasm or lung cancer recurrence.
- b CT Chest without contrast preferred for suspected lung neoplasm or lung cancer recurrence when iodinated contrast contraindicated.



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# **Sources**

# The Lung Cancer Screening AUC has been developed by Weill Cornell Medicine utilizing the following four published sources and local best practice.

No.	Source	Score
1	Guidelines for management of incidental pulmonary nodules detected on CT images. MacMahon H,	5
	Naidich DP, Goo JM, Lee KS, Leung AN, Mayo JR et al	
	https://www.ncbi.nlm.nih.gov/pubmed/28240562	
2	U.S. Preventive Services Task Force Statement. Screening for lung cancer. Moyer VA.	5
	https://www.ncbi.nlm.nih.gov/pubmed/24378917	
3	Methods for staging non-small cell lung cancer: Diagnosis and management of lung cancer. Silvestri	5
	GA, Gonzalez AV, Jantz MA, et al	
	https://www.ncbi.nlm.nih.gov/pubmed/23649440	
4	Follow-up and surveillance of the patient with lung cancer after curative-intent therapy. Colt HG,	5
	Murgu SD, Korst RJ, et al	
	https://www.ncbi.nlm.nih.gov/pubmed/23649451	
LBP	Weill Cornell Medicine Local Best Practice	NA



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## **Contributors**

The Lung Cancer Screening AUC has been developed by the following.

Ian Drexler, MD Thoracic Imaging, WCPO
James Gruden Thoracic Imaging, WCPO
Keith Hentel, MD, MS, ED & MSK Radiology, Informatics WCPO
Sameer Malhotra MD, MA, Internal Medicine, Informatics, Health Policy Research, WCPO
Bradley Pua, MD, Lung Cancer Imaging & Treatment, WCPO
Jessica Rotman, MD, ED & MSK Radiology, WCPO
George Shih MD, MS, Informatics, WCPO
Joshua Weintraub, MD, Imaging Guided Interventions, Columbia P&S

Additional Contributors

Thomas Jessen, JD, Informatics, WCPO Courtney Yeager, MS, Imaging WCPO

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