

Supplementary Online Content

Pu CY, Lusk CM, Neslund-Dudas C, Gadgeel S, Soubani AO, Schwartz AG.

Comparison between the 2021 USPSTF lung cancer screening criteria and other lung cancer screening criteria for racial disparity in eligibility. *JAMA Oncol*. Published online January 13, 2022. doi:10.1001/jamaoncol.2021.6720

eTable 1. Comparison Between the Different Lung Cancer Screening Criteria
eTable 2. Sensitivity of Modified NCCN With Additional Factors From PLCOm2012 Risk Model for Determining Screening Eligibility in INHALE White (N=625) and African American (N=287) Lung Cancer Cases

This supplementary material has been provided by the authors to give readers additional information about their work.

eTable 1. Comparison Between the Different Lung Cancer Screening Criteria

NLST/NCCN group 1	2013 USPSTF	NCCN group 2	2021 USPSTF	PLCOm2012
<ul style="list-style-type: none"> • Age 55 to 74 years and • ≥ 30 pack-year smoking history and • Smoking cessation < 15 years. 	<ul style="list-style-type: none"> • Age 55 to 80 years and • ≥ 30 pack-year smoking history and • Smoking cessation < 15 years. 	<ul style="list-style-type: none"> • Age ≥ 50 years and • ≥ 20 pack-year smoking history and • 1 additional risk factor (other than secondhand smoke). <ul style="list-style-type: none"> ○ cancer history ○ family history of lung cancer ○ radon exposure ○ occupational exposure <ul style="list-style-type: none"> ▪ silica, cadmium, asbestos, arsenic, beryllium, chromium (VI), diesel fumes, and nickel. ○ chronic obstructive pulmonary disease (COPD) ○ pulmonary fibrosis 	<ul style="list-style-type: none"> • Age ≥ 50 years and • ≥ 20 pack-year smoking history • Smoking cessation < 15 years 	<ul style="list-style-type: none"> • Age • Race • Education • BMI • COPD • Personal history of cancer • Family history of cancer • Smoking status • Smoking intensity • Duration of smoking • Smoking quit time <p>Risk ≥ 1.51% was used as cut off for screening eligibility</p>

eTable 2. Sensitivity of Modified NCCN With Additional Factors From PLCOm2012 Risk Model for Determining Screening Eligibility in INHALE White (N=625) and African American (N=287) Lung Cancer Cases

	All n=912	White n=625	African American n=287	<i>P</i> value White vs African American
USPSTF 2021	590 (64.7)	408 (65.3)	182 (63.4)	0.636
USPSTF 2021 + COPD	241 (26.4)	186 (29.8)	55 (19.2)	0.001
USPSTF 2021 + previous cancer	123 (13.5)	96 (15.4)	27 (9.4)	0.013
USPSTF 2021 + family history of lung cancer	153 (16.7)	115 (18.4)	38 (13.2)	0.065
USPSTF 2021 + COPD or PC or FHLC	370 (40.6)	276 (44.2)	94 (32.8)	0.001

COPD = chronic obstructive pulmonary disease; PC = previous cancer diagnosis; FHLC = family history of lung cancer