

Lung cancer and COVID-19: impact of the pandemic on screening and diagnosis



Before the pandemic, about every 2½ minutes, someone in the United States was diagnosed with lung cancer.¹ However, screening rates and diagnoses have declined during the COVID-19 pandemic. This is concerning since the early detection of lung cancer may help lead to better overall survival outcomes.^{2,3}

A Decline in Diagnoses

The number of **all new cancer cases in the United States decreased by 74%** in April 2020, compared to April 2019.⁴



A delayed diagnosis may lead to detection of the disease at a more advanced stage, which **could result in an increase of cancer deaths in the United States.**⁵

Why Lung Cancer Screening Matters

Based on findings from the American Lung Association in 2020

- When diagnosed at an early stage, lung cancer has a 5-year survival rate of nearly 60%, but when diagnosed at a late stage, the relative 5-year survival rate decreases to only 6%.¹
- Once symptoms develop, the cancer has likely reached an advanced stage.^{1,6}

 **It's important that those at high risk for lung cancer talk with their doctor and determine if they are eligible for a screening.**

Who Is Eligible for Lung Cancer Screening?



According to recommendations from the US Preventive Services Task Force⁷:

- Adults aged 50-80 years, and
- With at least a 20 pack-year history of smoking and who currently smoke or have quit within the past 15 years

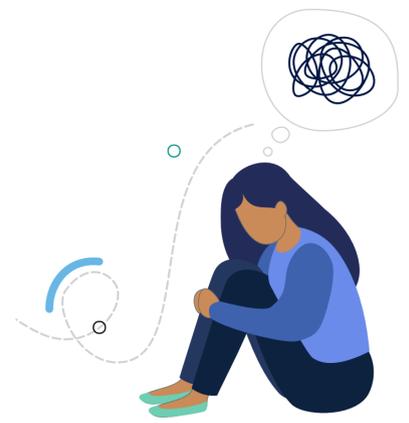
 **Screening should be done annually and discontinued once a person has not smoked for 15 years or develops a health problem that substantially limits life expectancy or the ability to have lung surgery.**⁷

Barriers to Lung Cancer Screening



Those considered at high risk for lung cancer may experience **feelings of shame and denial** due to the stigma surrounding common risk factors for the disease, such as smoking.⁸

These feelings can lead to a delay in the early detection of lung cancer, which could otherwise improve prognosis and outcomes.¹



The Time Is Now



Speak up and talk to your doctor if you are at high risk for lung cancer and determine if you are eligible for screening.



Rebook any missed appointments or screenings due to COVID-19.



For additional information, please visit:
Lung Cancer Foundation of America
lcfamerica.org

GO₂ Foundation for Lung Cancer
go2foundation.org

Lung Cancer Research Foundation
lungcancerresearchfoundation.org

References:

- American Lung Association. State of lung cancer 2020. November 17, 2020. Accessed June 23, 2021. <https://www.lung.org/research/state-of-lung-cancer/key-findings>
- Patt D, Gordan L, Diaz M, et al. The impact of COVID-19 on cancer care: how the pandemic is delaying cancer diagnosis and treatment for American seniors. *JCO Clin Cancer Informatics*. doi: 10.1200/CCI.20.00134
- Knight SB, Crosbie PA, Balata H, et al. Progress and prospects of early detection in lung cancer. *Open Biol*. 2017;7(9):170070. doi:10.1098/rsob.170070
- London J, Fazio-Eynullayeva E, Palchuk M, et al. Effects of the COVID-19 pandemic on cancer-related patient encounters. *JCO Clin Cancer Informatics*. 2020;4:657-665.
- Kaufman HW, Chen Z, Niles J, et al. Changes in the number of US patients with newly identified cancer before and during the coronavirus disease 2019 (COVID-19) pandemic. *JAMA Netw Open*. 2020;3(8):e2017267. doi:10.1001/jamanetworkopen.2020.17267
- American Cancer Society. Lung cancer early detection, diagnosis, and staging. April 22, 2021. Accessed May 14, 2021. <https://www.cancer.org/content/dam/CRC/PDF/Public/8705.00.pdf>
- United States Preventive Services Task Force (USPSTF). Screening for lung cancer US Preventive Services Task Force recommendation statement. *JAMA*. 2021;325(10):962-970. doi:10.1001/jama.2021.1117
- Borondy Kitts AK. The patient perspective on lung cancer screening and health disparities. *J Am Coll Radiol*. 2019;16(4 Pt B):601-606. doi:10.1016/j.jacr.2018.12.028