

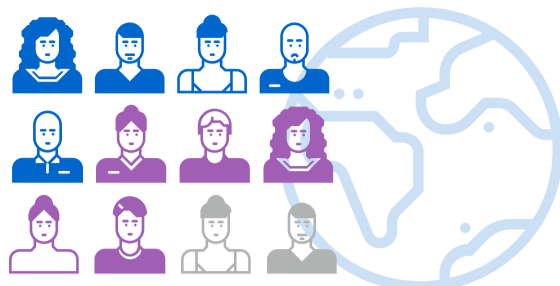
A typical treatment journey for people with early NSCLC

Roche

Lung cancer remains the biggest cause of cancer-related deaths.¹

Every year, more than **2.2 million people** are diagnosed with lung cancer globally – up to **85%** with non-small cell lung cancer (NSCLC).^{1,2}

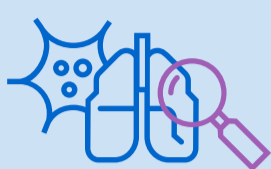
More than half of those diagnosed with NSCLC are diagnosed at an **early or locally advanced stage (Stage I-III)**, where the cancer has not spread outside the lungs and nearby lymph nodes.^{3,4}



Some of the known barriers to early diagnosis are:⁵

- Lack of identifiable symptoms
- Patient stigma and fear
- Misdiagnosis due to non-specific symptoms

Diagnosis



Early detection of NSCLC can change the treatment pathway for patients and increase the options available.⁶

Current methods of diagnosis include:⁷

CT scan

Tissue biopsy

Examination under a microscope

Once a diagnosis of early NSCLC is confirmed, a multidisciplinary team should meet to ensure each person diagnosed receives the treatment that is right for them.^{8,9}

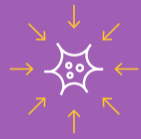
Making treatment decisions

Research suggests that personalised medicines may offer a clinical benefit in the adjuvant setting, and that in the future biomarker testing may be recommended for all patients at diagnosis, irrespective of whether they are diagnosed with early or advanced cancer.



Current treatment options

Neoadjuvant therapy, including chemotherapy or radiation, is administered before surgery to reduce tumour size and target micrometastases (small clusters of cancer cells) earlier.¹⁰⁻¹²



Most people with Stage I-III NSCLC have **surgery**, but the timing of this intervention depends on each patient's disease.¹³



Surgery

Even after surgery, micrometastases may remain and are undetectable with current methods.

Adjuvant therapy, including chemotherapy, radiation therapy and targeted therapy, is administered after surgery to remove any remaining cancer cells and reduce the risk of recurrence.¹⁰



About **half** of all people with early lung cancer experience a cancer recurrence following surgery.¹⁴

Monitoring and follow-up

Taking a collaborative approach

By working together and ensuring a collaborative, multidisciplinary approach, patients can experience more personalised treatment journeys and better outcomes.



The need for early treatment

At Roche, we are committed to providing people with early lung cancer the best chance of a cure, by investigating new treatments that can lead to more durable responses, tailored to each patient's unique needs.

References

- World Health Organization: GLOBOCAN 2020 – Lung Cancer: Estimated cancer incidence, mortality and prevalence worldwide. [Internet; cited May 2021] Available from: <https://gco.iarc.fr/today/data/factsheets/cancers/15-Lung-fact-sheet.pdf>.
- Cancer.org: What is non-small-cell lung cancer? [Internet; cited May 2021] Available from: <https://www.cancer.org/cancer/lung-cancer/about/what-is.html#:~:text=Non%20small%20cell%20lung%20cancer,of%20lung%20are%20NSCLC.>
- EpiCast report: NSCLC Epidemiology. GlobalData. 2016.
- Cancer.net: Lung Cancer - Non-Small Cell: Stages [Internet; cited May 2021] Available from: <https://www.cancer.net/cancer-types/lung-cancer-non-small-cell/stages>.
- Cassim S, et al. Patient and carer perceived barriers to early presentation and diagnosis of lung cancer: a systematic review. BMC Cancer. 2019;19(1):25.
- Blandin Knight S, et al. Progress and prospects of early detection in lung cancer. Open Biol. 2017;7(9):170070.
- Cancer.net: Lung Cancer - Non-Small Cell: Diagnosis. [Internet; cited May 2021] Available from: <https://www.cancer.net/lung-cancer-non-small-cell/diagnosis>.
- Ellis PM. The importance of multidisciplinary team management of patients with non-small-cell lung cancer. Curr Oncol. 2012;19(Suppl 1):S7-S15.
- Kowalczyk A, Jassem J. Multidisciplinary team care in advanced lung cancer. Transl Lung Cancer Res. 2020;9(4):1690-1698.
- CONQUER: Treatment of Non-Small-Cell Lung Cancer: A Guide for Patients. [Internet; cited April 2021] Available from: <https://conquer-magazine.com/issues/2020/vol-6-no-2-april-2020/1240-treatment-of-non-small-cell-lung-cancer-a-guide-for-patients>.
- Blumenthal G, et al. Current Status and Future Perspectives on Neoadjuvant Therapy in Lung Cancer. J Thorac Oncol. 2018;13(12):1818-1831.
- National Cancer Institute. Cancer Terms. [Internet; cited May 2021] Available from: <https://www.cancer.gov/publications/dictionaries/cancer-terms/def/micrometastasis>.
- Raman V, et al. Surgical treatment for early stage non-small cell lung cancer. J Thorac Dis. 2018;10(Suppl 7):S898-S904.
- Yano T, et al. Therapeutic strategy for postoperative recurrence in patients with non-small cell lung cancer. World J Clin Oncol. 2014;5(5):1048-1054.