

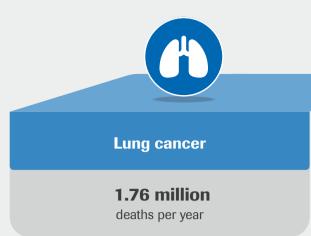
Small Cell Lung Cancer



Lung cancer is the 2nd most common cancer in both men and women¹



It causes as many deaths as prostate, breast and liver cancer combined²



Prostate Breast Liver cancer cancer cancer 1.77 million deaths per year

Lung cancer can be divided broadly into 2 types:



Non-small cell lung cancer (NSCLC)



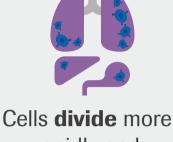
Small cell lung cancer

Cells are small and oval-shaped in appearance³

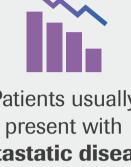


15-20% of all cases³

Accounts for



rapidly and metastasise quicker than NSCLC^{3,4}

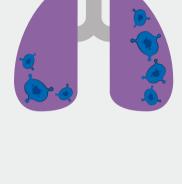


Patients usually metastatic disease4

Generally, SCLC is associated with a poor prognosis compared with NSCLC³

Limited stage SCLC Extensive-stage SCLC

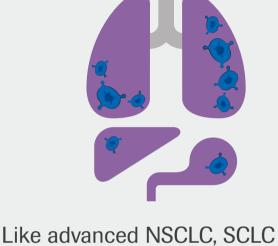
SCLC has 2 stages of diagnosis:³



Like the early stages of NSCLC,

SCLC is confined within the

place the cancer originated. With treatment, 12-15% of those diagnosed will survive at least **5 years**³



is diagnosed when the cancer has metastasised. With treatment, only around 2% will be alive after 5 years³



A unique response to treatment

2 out of 3 people are diagnosed at the

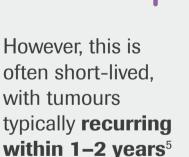
extensive stage, due to the speed that

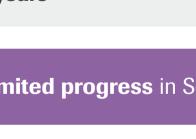
SCLC progresses³

Most patients with relapsed **SCLC** usually responds well to **SCLC** will develop

initial chemotherapy

treatment





last 2 decades⁷

recognise and attack cancer cells⁸

Immune checkpoint

inhibition

tumours^{5, 6}

chemotherapy-resistant

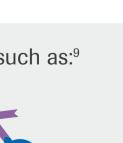


Limited progress in SCLC treatment for over 20 years⁶

A novel approach to SCLC

Researchers have been looking into using **cancer** immunotherapy to reprogramme the immune system to

>60 diverse agents have failed in clinical trials over the



Antigenic targets

Several trials have focused on new approaches to SCLC, such as:9

Roche is committed to advancing research

Vaccines

in rare and difficult-to-treat cancers,

including SCLC

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1. Key Statistics for Lung Cancer. American Cancer Society. Available from:

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https://www.medicinenet.com/non-small_cell_lung_cancer_vs_small_cell/article.htm#what_is_non-small_cell_lung_cancer_nsclc. Accessed November 2018. 4. Lüchtenborg M. et al. Survival of patients with small cell lung cancer undergoing lung resection in England, 1998-2009. Thorax. 2014;69(3):269-73. 5. Klameth L et al. Small cell lung cancer: model of circulating tumor cell tumorospheres in chemoresistance. Nature Scientific Reports. 2017;7(1):5337.