

What is personalised care in lung cancer?



Personalised care is tailored to an individual based on the lung cancer's genetic information and the person's lifestyle and environment^{1,2}

A better understanding of lung cancers and advances in cancer tests has helped move care:¹⁻³

From a traditional approach

- chemotherapy, radiotherapy and/or surgery
- based on lung cancer location and stage

To a precision approach

- personalised treatments
- based on lung cancer's genetic information

This marks an important step towards personalised care¹

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Biomarker testing is key

Testing your lung cancer to identify its **subtype** and **genetic information** (known as biomarkers) can help doctors select the best treatment^{3,4}



Biopsy

A sample of **lung cancer cells** are collected^{4,5}

- usually from **tissue** (solid tissue biopsy)
- sometimes from **fluid** e.g. blood (liquid biopsy)



Finding biomarkers

The sample can be **tested for biomarkers**⁶

- using **single biomarker tests** (detects one biomarker)
- or **comprehensive genomic profiling** (detects multiple biomarkers)



Personalised treatments

Targeted treatments and **immunotherapies** might be selected to target biomarkers^{1,3,4,7}

- this means they may be **more effective** and have **fewer side effects** than traditional treatments
- but results aren't always conclusive

Ongoing testing and consenting to share your cancer's genetic information can help provide the best treatment to you and others^{1,8}

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