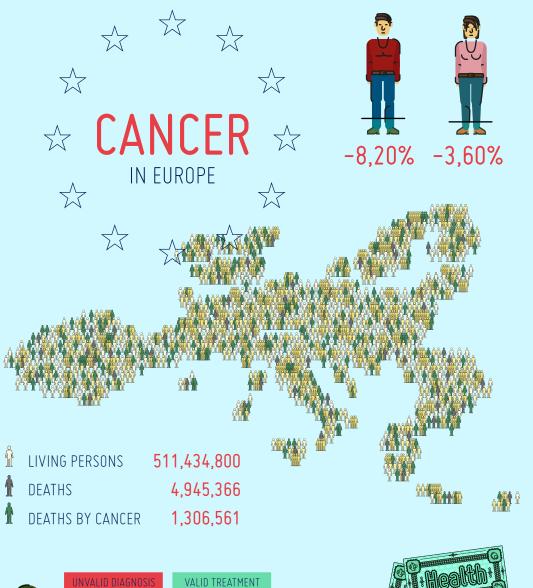
CANCER BIOMARKERS

IN THE ERA OF PERSONALISED MEDICINES



Compared to 2012, cancer mortality rates have decreased both for men and women¹.

1: Ann Oncol (2017) 28 (5): 1117-1123

However, the number of people dying from cancer has increased by 3% since 2012, due to population growth and ageing. Approximately 1.4 million people in the European Union will die from cancer this year².

2: Ann Oncol (2017) 28 (5): 1117-1123

We need better ways to ensure sustainable healthcare systems, identify the people who may benefit from effective cancer treatment, and avoid treatment-related toxicity.











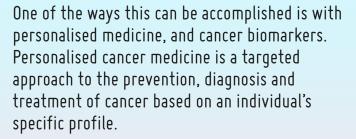


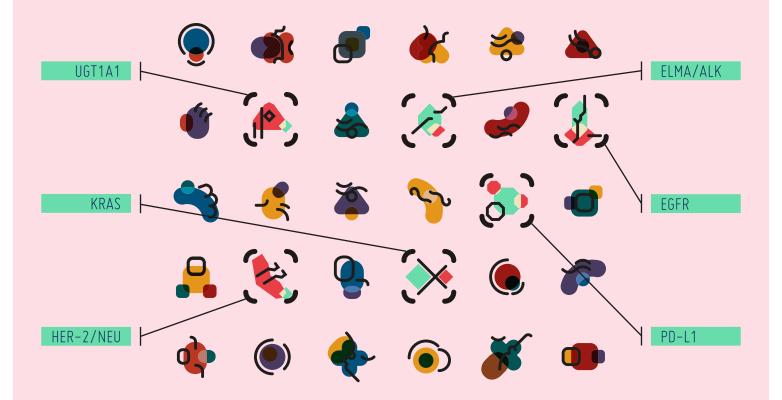


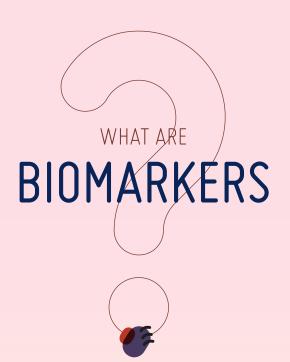
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Cancer biomarkers are molecules that are usually produced by cancer cells and that can be detected in bodily fluids or tissues. Cancer biomarkers can identify people who have cancer or who are at risk of getting cancer. Cancer biomarkers can also help select or predict those people who are likely to derive therapeutic benefit from specific drugs.

In fact, biomarkers are essentially to identify the Achilles' Heel in the tumour that doctors can target with specific drugs.

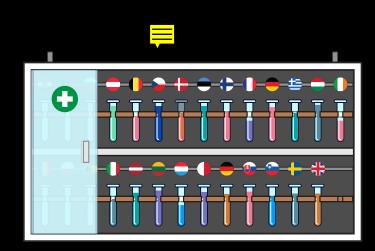
For example, the EGFR biomarker in lung cancer is a DNA mutation that indicates which people are more likely to benefit from targeted therapies. Biomarkers can also be used to monitor remission.

In short: biomarkers are essential for personalized medicine. They can help the right person get the right treatment at the right time³.

3: (Chantelot et al. Realising the potential of personalised medicines in Europe. September 2014. EuropaBio White paper)







23%



























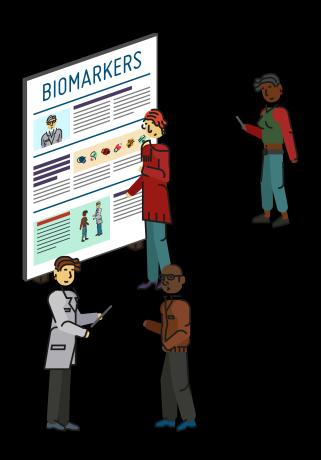


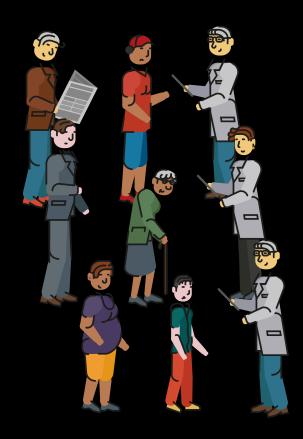














BIOMARKERS IN EUROPE

CONCLUSION



European Cancer Patient Coalition is calling for

- Increased access and decreased waiting times for high quality biomarker testing to make personalised healthcare more of a reality across Europe.
- Awareness campaigns that increase biomarker literacy by increasing patients' understanding of where they need to go to access biomarker testing.
- Progress towards a harmonised and more efficient regulatory framework, which could increase access to and potentially reduce the costs of biomarker testing.