

# Bridging the Biomarker Gaps



## What is Comprehensive Biomarker Testing?

Comprehensive Biomarker Testing includes the use of next-generation sequencing (NGS) technologies which can detect many genomic alterations in a single test in order to potentially **provide more accurate diagnosis and therapy guidance** to your doctors.

Recent scientific discoveries have led to a **better understanding of the genomic makeup of many forms of cancer and tumors**, including the identification of “biomarkers” – biological alterations that can identify the underlying drivers of disease and, in some cases, may identify treatment options with potentially better efficacy and safety for your cancer.

When you get tested for biomarkers, your provider will use either new or existing biopsy material collected as part of diagnosing disease, and send the sample to a laboratory for analysis. There, experts examine your DNA or RNA to look for actionable biomarkers.

These findings are shared in a report, which you and your doctor can review. This information can be used to inform a personalized treatment plan. In some cases, a targeted therapy – designed for your specific gene alteration – may be available.

## Did you know?

More than **1.8 million Americans will face a new cancer diagnosis this year.**<sup>1</sup> Each of these cases is unique, but there’s one thing everyone has in common: the right to personalized care.

Biomarker testing gives you – and the thousands of people fighting alongside you – more knowledge and helps empower well-informed treatment decisions.



# Comprehensive Biomarker Testing

## Why should I talk to my doctor about getting tested?



**1** **Testing for the presence of biomarkers is necessary** for personalized oncology care, as the results can help identify precise treatment options targeted to your particular cancer.

**You have a personal cancer story. Your treatment should be personal, too.**

**2** **As more targeted therapies become available for people with cancer, biomarker testing is quickly emerging as the standard of care:** more than half of the cancer treatments released in the past five years required or recommended biomarker testing.<sup>ii</sup>

**3** **Patients that are treated with targeted therapies tend to have fewer rounds of “failed treatment” and often experience fewer side effects than with chemotherapy.**<sup>iii</sup>

Biomarker testing, and personalized medicine more broadly, may result in cost savings by narrowing the scope and duration of treatment.

**When it comes to cancer treatment, one size doesn't fit all – What can you do?**

**Take action** – If you or a loved one are diagnosed with cancer, ask your doctor about biomarker testing.

**Spread the word** – Help make biomarker testing common knowledge.



i <https://www.cancer.org/content/dam/cancer-org/research/cancer-facts-and-statistics/annual-cancer-facts-and-figures/2021/cancer-facts-and-figures-2021.pdf>

ii [https://www.iqvia.com/form-pages/institute-gated?redirectUrl=%2f-%2fmedia%2fiqvia%2fpdfs%2finstitute-reports%2fiqvia-institute-supporting-precision-oncology-report.pdf%3f\\_%3d1619527340470&Name=IQVIA-Institute-Supporting-Precision-Oncology-Report](https://www.iqvia.com/form-pages/institute-gated?redirectUrl=%2f-%2fmedia%2fiqvia%2fpdfs%2finstitute-reports%2fiqvia-institute-supporting-precision-oncology-report.pdf%3f_%3d1619527340470&Name=IQVIA-Institute-Supporting-Precision-Oncology-Report)

iii [https://cdn.trustedtechexperts.com/docs/LungCancerInitiativeNC2017/biomarker%20rack%20card%202020\(1\).pdf](https://cdn.trustedtechexperts.com/docs/LungCancerInitiativeNC2017/biomarker%20rack%20card%202020(1).pdf)