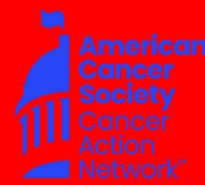


EXPAND ACCESS TO BIOMARKER TESTING IN KENTUCKY



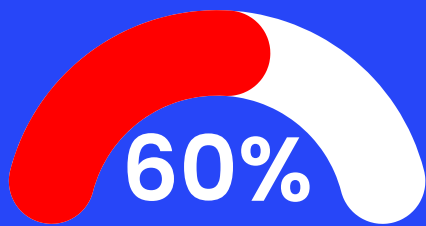
THE RIGHT TREATMENT AT THE RIGHT TIME

WHAT IS BIOMARKER TESTING?

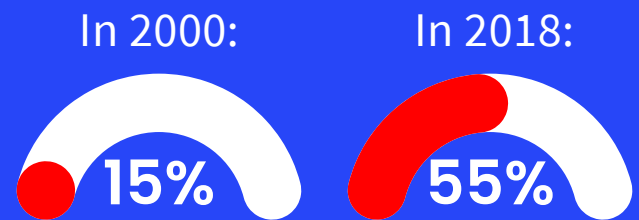
Biomarker testing is often used to help determine the best treatment for a patient.

- It is the analysis of a patient's tissue, blood, or other biospecimen for the presence of a biomarker.
- Biomarker testing is an important step for accessing precision medicine, including targeted therapies that can lead to improved survivorship and better quality of life for cancer patients.
- While most current applications of biomarker testing are in oncology and autoimmune disease, there is research underway to benefit patients with other conditions including heart disease, neurological conditions like Alzheimer's disease, infectious disease and respiratory illness.

THE IMPORTANCE OF BIOMARKER TESTING



Of oncology drugs launched in the past five years require or recommend biomarker testing prior to use



Of cancer clinical trials involved biomarkers

BIOMARKER TESTING & HEALTH EQUITY

- **Not all communities in Kentucky are benefitting from the latest advancements in biomarker testing and precision medicine.**
 - Patients who are older, Black, uninsured or Medicaid-insured, are less likely to be tested for certain guideline-indicated biomarkers.
 - There are lower rates of testing in community settings versus academic medical centers.

THE BOTTOM LINE

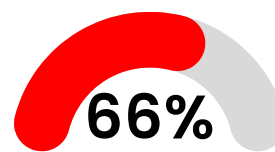
Access to appropriate biomarker testing can help to achieve:

- better health outcomes
- improved quality of life
- reduced costs

Insurance coverage for biomarker testing is essential to keeping pace with innovation and advancement in treatment:

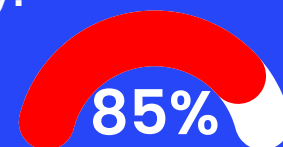
- Without action, this could increase existing disparities in cancer outcomes by race, ethnicity, income and geography.

Arizona, Illinois, Louisiana and Rhode Island have recently passed legislation to expand coverage of comprehensive biomarker testing.



Of oncology providers reported that insurance coverage is a **significant or moderate barrier** to appropriate biomarker testing for their patients

In Kentucky:



Of commercial insurance plans provide coverage that is more restrictive than National Comprehensive Cancer Center guidelines