



Bioanalysis | Spotlight

Precision medicine and companion diagnostics

Key trends in precision medicine & companion diagnostics

Important patient factors to consider during drug and therapy development included:



26%



4%



Genetics 32%



Medical history

10%

Lifestyle

27%



Other 1%

The top three goals of precision medicine included:

Disease biology Environmental

Disease prevention **43%**

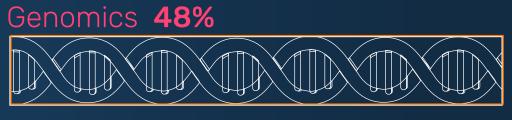
Individual response to therapy 11%

Treatment targeted to individual needs **46%**

How often are precision medicine and companion diagnostics practices implemented?



The most commonly used technologies included:



Molecular imaging 32%



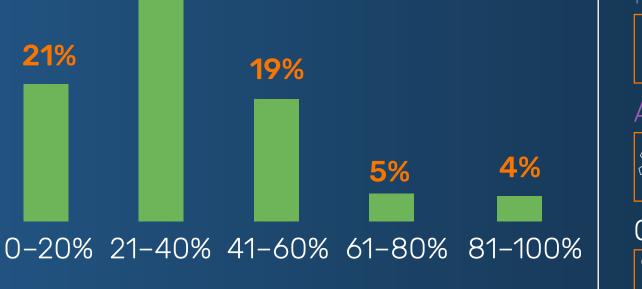
Nanotechnology 22%

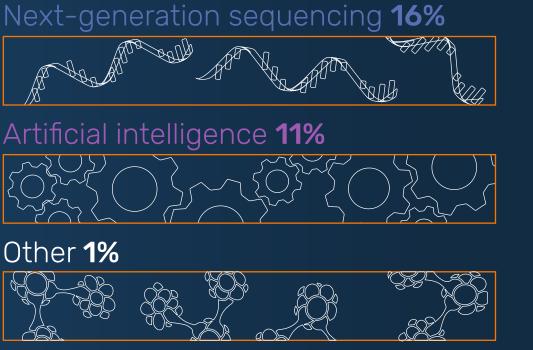




Metabolomics 18%

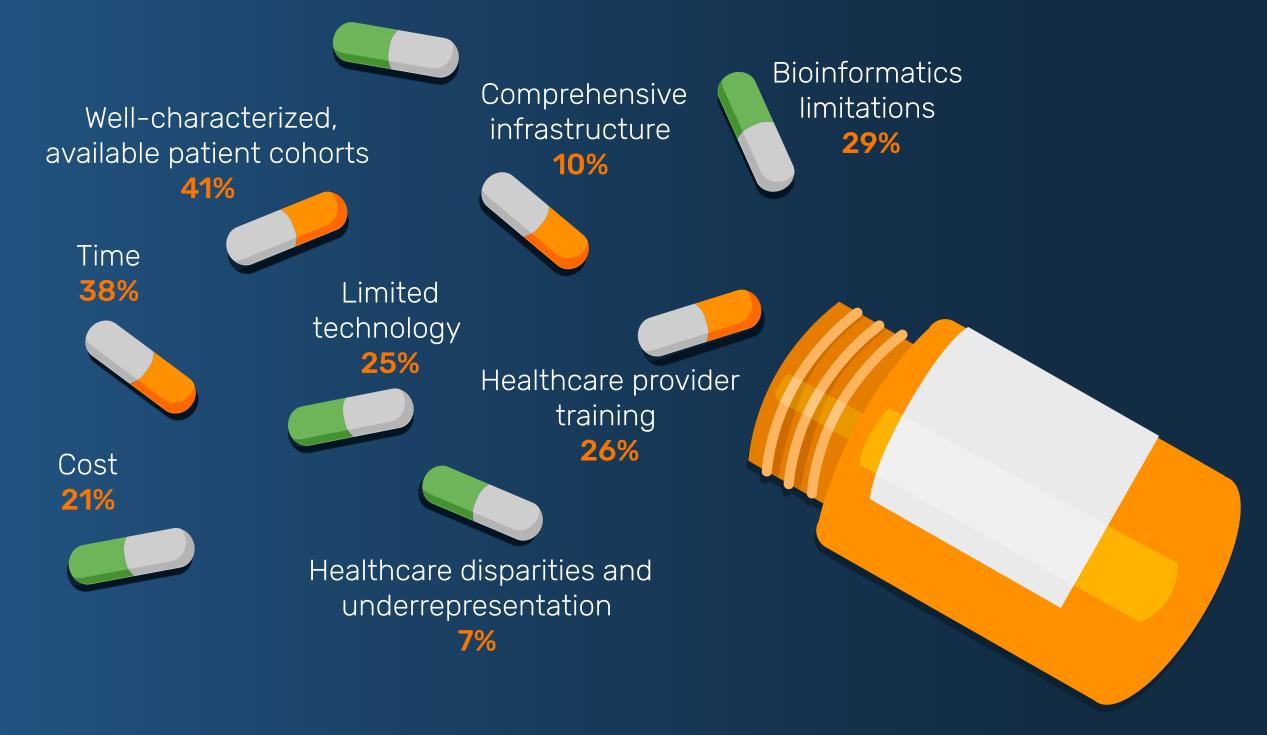






Challenges of precision medicine and companion diagnostics

The main challenges of challenges of implementing precision medicine practices included:



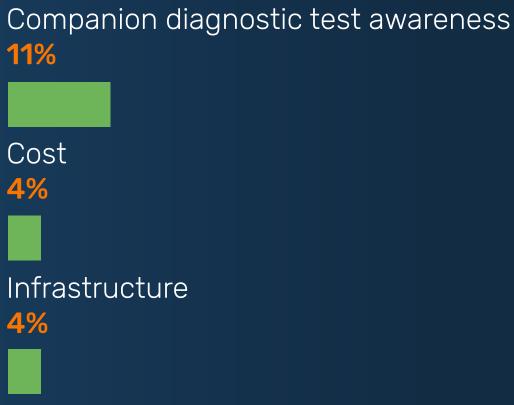
When might laboratory developed tests be used over companion diagnostics?

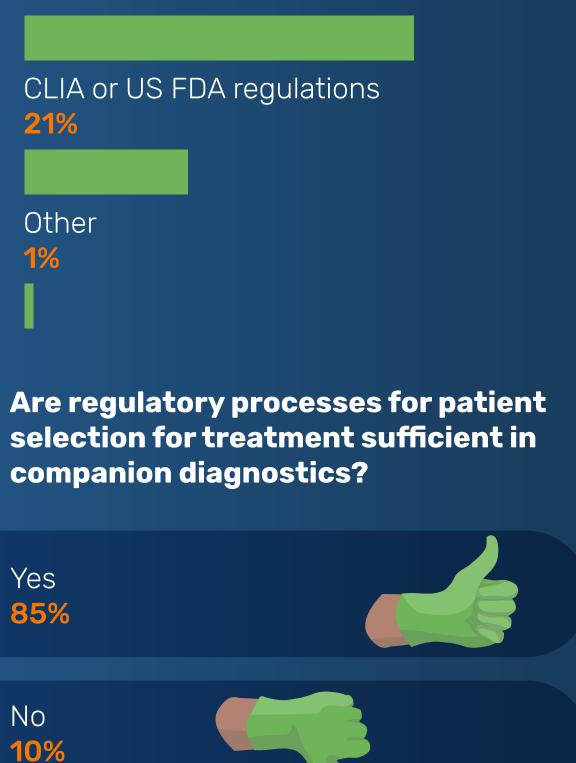
Mitigate financial investment 28%

Mitigate time investment **55%**

Lack of surety about drug or therapy efficacy **45%**

The main challenges to implementing companion diagnostics tests in the marketplace included:





Regulatory requirements 10%

Specimen needs and sample stability 20%

Therapy options 24%

Time to treatment **15%**

Workflow 11%

Other

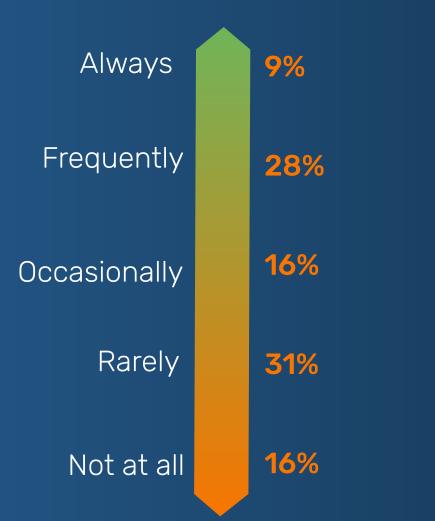
<1%

What does the future hold for precision medicine and companion diagnostics?

In the last 5 years, how often were precision medicine and companion diagnostic practices implemented?

Unsure

5%



In the next 5 years, precision medicine and companion diagnostic practices will...



Demographic of respondents

