

Precision Medicine: *The Next Generation*

For too long oncology patients have been treated with a one-size-fits-all treatment plan. The time has come for a more personalized approach. In the last 5 years alone, the approval and adoption of Next-Gen Sequencing (NGS) in oncology has helped advance the field. As NGS has evolved from a limited luxury to a common component of the physician toolkit, our future is now. View where the course has been securely mapped out, and where uncharted territory still exists...

Prime Directive

Cruise Control
High NGS use
>60%

AML
NSCLC
Sarcoma
CRC
MDS

Light Speed
<60% use, but high
growth >25%

Uterine
Gastric
CML

Warp Speed
High NGS use
(>60%) AND high
growth (>25%)

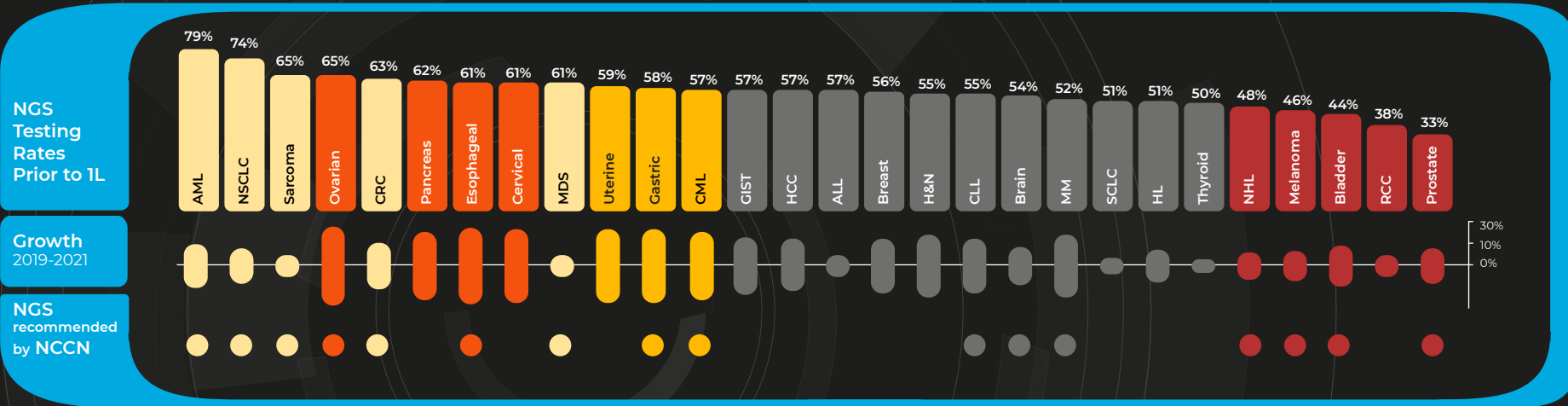
Ovarian
Pancreatic
Esophageal
Cervical

Mission Critical
Tumors with NGS
use below 50%

Prostate
RCC
Bladder
Melanoma
NHL

Sector Standings

Location : US, Timestamp : 2021



Fleet Directives

% of tumors with >50% NGS use in any line of therapy

US 79%

China 52%

EU 14%

Japan 4%

Timestamp : 2021

Tumors with lowest NGS use

Prostate RCC Bladder

Prostate HL Melanoma

Prostate HCC Cervical

Prostate Bladder RCC

Tumors with highest NGS use

Sarcoma NSCLC AML

ALL NSCLC AML

NSCLC MDS AML

ALL AML NSCLC

Timestamp: 2021 - Prior to 1L therapy

Mission Synopsis

US and China are robust adopters of Next-Generation Sequencing.

The FDA made the first approval for a pan-tumor NGS test in 2017. Currently, US guidelines recommend NGS testing for many tumor types and multiple testing platforms are available, all of which has led to high adoption rates of NGS in the US.

China has a booming genomics market and a clear pathway for NGS testing platforms to gain approval. Since 2018, multiple NGS panels have been approved by the NMPA, including domestically-developed options, leading to significant adoption rates of NGS in China.

Across all regions, NGS utilization is highest in AML and NSCLC patients, while prostate cancer is consistently the tumor with the lowest use of NGS testing.

CancerMPact® – Treatment Architecture™. Published and unpublished data collected from 2019 – 2021.
NCCN Clinical Practice Guidelines in Oncology (NCCN Guidelines®)
CancerMPact®: Improving outcomes through empowered decision making.
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