

Next-Generation Sequencing In Precision Medicine Market Poised To Reach \$14.05 Billion

The Business Research Company's Next-Generation Sequencing In Precision Medicine Market Poised To Reach \$14.05 Billion

LONDON, GREATER LONDON, UNITED KINGDOM, August 19, 2026

/EINPresswire.com/ -- "The landscape of precision medicine has been

transformed by next-generation sequencing (NGS), a breakthrough technology offering deeper insights into genetic information. This rapidly evolving market is gaining momentum as innovations and growing awareness propel its adoption across healthcare and research sectors. Let's explore the current state, growth drivers, leading regions, and future opportunities shaping the NGS in precision medicine market.



Expected to grow to \$14.05 billion in 2030 at a compound annual growth rate (CAGR) of 16.9%"

The Business Research Company

The Business
Research Company

The Business Research Company



Market Size and Expansion Prospects of the Next-Generation Sequencing in Precision Medicine Market

The market for next-generation sequencing in precision medicine has experienced rapid growth in recent years. It is projected to rise from \$6.42 billion in 2025 to \$7.52 billion in 2026, exhibiting a strong compound annual growth rate (CAGR) of 17.2%. This historical growth has

been driven by advancements in high-throughput sequencing technologies, increased awareness of personalized medicine, expansion of genomic research initiatives, growth in bioinformatics software, and the wider use of precision medicine in clinical trials. Looking ahead, the market is anticipated to accelerate further, reaching \$14.05 billion by 2030 with a CAGR of 16.9%. Key factors fueling this future expansion include technological improvements in sequencing instruments, integration of artificial intelligence into genomics, growth of cloud-based sequencing services, collaborative efforts between pharmaceutical and biotech companies, and the broader application of precision medicine in emerging markets. Emerging trends expected to shape this landscape involve AI-powered genomic analysis, cloud-based sequencing solutions, automation in sequencing workflows, real-time interpretation of genomic data, and the ongoing

growth of personalized medicine.

Download a free sample of the [next-generation sequencing \(ngs\) in precision medicine market report](#):

https://www.thebusinessresearchcompany.com/sample.aspx?id=28280&type=smp&utm_source=EINPresswire&utm_medium=Paid&utm_campaign=Aug_PR

Understanding Next-Generation Sequencing (NGS) in Precision Medicine

Next-generation sequencing is a cutting-edge genomic technology that enables rapid and comprehensive analysis of DNA and RNA sequences on a scale and speed far beyond traditional methods. It underpins precision medicine by offering detailed insights into individual genetic variations and molecular profiles. These rich datasets allow healthcare providers to make highly informed decisions tailored to each patient's unique genetic makeup, improving diagnosis, treatment, and overall medical outcomes.

Rising Genetic Disorder Rates Boosting Demand for NGS in Precision Medicine

One significant driver propelling the NGS in precision medicine market is the increasing prevalence of genetic disorders. These conditions arise from abnormalities in an individual's DNA, whether inherited or caused by mutations. Advances in diagnostic tools, including genetic screening and next-generation sequencing, have led to better detection rates, uncovering cases that were previously unrecognized. This improved identification is contributing to a higher reported incidence of genetic diseases. NGS plays a vital role here by enabling precise detection of genetic mutations, facilitating accurate diagnosis, personalized treatments, and early intervention strategies. For example, according to the National Health Service in May 2024, roughly 17,000 individuals in England live with sickle cell disease, an inherited blood disorder, with approximately 250 new cases diagnosed annually. Such trends highlight how the growing occurrence of genetic disorders is a key factor driving the growth of the NGS in precision medicine market.

View the full next-generation sequencing (ngs) in precision medicine market report:

https://www.thebusinessresearchcompany.com/report/next-generation-sequencing-ngs-in-precision-medicine-global-market-report?utm_source=EINPresswire&utm_medium=Paid&utm_campaign=Aug_PR

Geographical Leadership and Growth Outlook in the NGS Market for Precision Medicine

In terms of regional market leadership, North America held the largest share of the NGS in precision medicine market in 2025. This dominance is supported by advanced healthcare infrastructure, strong research activities, and substantial investments in genomics. Meanwhile, the Asia-Pacific region is expected to emerge as the fastest-growing market during the forecast period. This growth is driven by rising healthcare spending, increasing adoption of precision medicine, and expanding genomics research in countries within this region. The market report covers major regions, including Asia-Pacific, South East Asia, Western Europe, Eastern Europe, North America, South America, the Middle East, and Africa, providing a comprehensive global

perspective on market trends and opportunities.

The 2026 edition of our market reports now delivers enhanced analytical coverage through market attractiveness scoring and analysis, total addressable market (TAM) analysis, company scoring matrix graphics and tables, Excel-based forecasting dashboards, market hotspots infographics, key technologies and future trend analysis, plus updated graphics and tables.

Speak With Our Expert:

Saumya Sahay

Americas +1 310-496-7795

Asia +44 7882 955267 & +91 8897263534

Europe +44 7882 955267

Email: marketing@tbrc.info

The Business Research Company - www.thebusinessresearchcompany.com

Follow Us On:

• LinkedIn: <https://in.linkedin.com/company/the-business-research-company>"

Oliver Guirdham

The Business Research Company

+44 7882 955267

info@tbrc.info

Visit us on social media:

[LinkedIn](#)

[Facebook](#)

[X](#)

This press release can be viewed online at: <https://www.einpresswire.com/article/935306519>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2026 Newsmatics Inc. All Right Reserved.