

NGS Informatics Market Size, Trends, Analysis, and Outlook By Products and Services (NGS Informatics Services, Data Analysis and Management Tool, Primary and Secondary Data Analysis Tools), By Application (Drug Discovery, Genetic Screening, Precision Medicine, Others), By End-User (Hospitals, Clinics, Research Institutes, Others), by Country, Segment, and Companies, 2024-2032

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Abstracts

The global NGS Informatics market size is poised to register 14.8% growth from 2024 to 2032, presenting significant growth prospects for companies operating in the industry. The industry study analyzes the global NGS Informatics market across By Products and Services (NGS Informatics Services, Data Analysis and Management Tool, Primary and Secondary Data Analysis Tools), By Application (Drug Discovery, Genetic Screening, Precision Medicine, Others), By End-User (Hospitals, Clinics, Research Institutes, Others)

The next-generation sequencing (NGS) informatics market is witnessing rapid growth driven by the increasing demand for bioinformatics solutions, data analysis tools, and cloud computing platforms in genomic research, clinical diagnostics, and precision medicine initiatives, as well as advancements in NGS technologies, sequencing workflows, and bioinformatics algorithms that enable accurate variant calling, data interpretation, and clinical reporting for diverse applications in oncology, infectious diseases, and rare genetic disorders. With advancements in data integration, machine learning algorithms, and variant annotation databases, there is a rising opportunity for NGS informatics providers to offer scalable, interoperable solutions that support

complex genomic analyses, clinical decision support, and regulatory compliance while ensuring data privacy, security, and integrity throughout the genomic data lifecycle. Further, the expanding collaborations between genomics laboratories, healthcare providers, and pharmaceutical companies, as well as the growing emphasis on data standardization, data sharing, and real-world evidence generation, are driving market expansion further.

NGS Informatics Market Drivers, Trends, Opportunities, and Growth Opportunities

This comprehensive study discusses the latest trends and the most pressing challenges for industry players and investors. The NGS Informatics market research analyses the global market trends, key drivers, challenges, and opportunities in the industry. In addition, the latest Future of NGS Informatics survey report provides the market size outlook across types, applications, and other segments across the world and regions. It provides data-driven insights and actionable recommendations for companies in the NGS Informatics industry.

Key market trends defining the global NGS Informatics demand in 2024 and Beyond

The industry continues to remain an attractive hub for opportunities for both domestic and global vendors. As the market evolves, factors such as emerging market dynamics, demand from end-user sectors, a growing patient base, changes in consumption patterns, and widening distribution channels continue to play a major role.

NGS Informatics Market Segmentation- Industry Share, Market Size, and Outlook to 2032

The NGS Informatics industry comprises a wide range of segments and sub-segments. The rising demand for these product types and applications is supporting companies to increase their investment levels across niche segments. Accordingly, leading companies plan to generate a large share of their future revenue growth from expansion into these niche segments. The report presents the market size outlook across segments to support NGS Informatics companies scaling up production in these sub-segments with a focus on expanding into emerging countries.

Key strategies adopted by companies within the NGS Informatics industry

Leading NGS Informatics companies are boosting investments to capitalize on untapped potential and future possibilities across niche market segments and surging

demand conditions in key regions. Further, companies are leveraging advanced technologies to unlock opportunities and achieve operational excellence. The report provides key strategies opted for by the top 10 NGS Informatics companies.

NGS Informatics Market Study- Strategic Analysis Review

The NGS Informatics market research report dives deep into the qualitative factors shaping the market, empowering you to make informed decisions-

Industry Dynamics: Porter's Five Forces analysis to understand bargaining power, competitive rivalry, and threats that impact long-term strategy formulation.

Strategic Insights: Provides valuable perspectives on key players and their approaches based on comprehensive strategy analysis.

Internal Strengths and Weaknesses: Develop targeted strategies to leverage strengths, address weaknesses, and capitalize on market opportunities.

Future Possibilities: Prepare for diverse outcomes with in-depth scenario analysis. Explore potential market disruptions, technology advancements, and economic changes.

NGS Informatics Market Size Outlook- Historic and Forecast Revenue in Three Cases

The NGS Informatics industry report provides a detailed analysis and outlook of revenue generated by companies from 2018 to 2023. Further, with actual data for 2023, the report forecasts the market size outlook from 2024 to 2032 in three case scenarios- low case, reference case, and high case scenarios.

NGS Informatics Country Analysis and Revenue Outlook to 2032

The report analyses 22 countries worldwide including the key driving forces and market size outlook from 2021 to 2032. In addition, region analysis across Asia Pacific, Europe, the Middle East, Africa, North America, and South America is included in the study. For each of the six regions, the market size outlook by segments is forecast for 2032.

North America NGS Informatics Market Size Outlook- Companies plan for focused

investments in a changing environment

The US continues to remain the market leader in North America, driven by a large consumer base, the presence of well-established providers, and a strong healthcare infrastructure. Leading companies focus on new product launches in the changing environment. The US healthcare expenditure is expected to grow to \$4.8 trillion in 2024 (around 3.7% growth in 2024), potentially driving demand for various NGS Informatics market segments. Similarly, Strong market demand is encouraging Canadian NGS Informatics companies to invest in niche segments. Further, as Mexico continues to strengthen its relations and invest in technological advancements, the Mexico NGS Informatics market is expected to experience significant expansion, offering lucrative opportunities for both domestic and international stakeholders.

Europe NGS Informatics Market Size Outlook-Companies investing in assessing consumers, categories, competitors, and capabilities

The German industry remains the major market for companies in the European NGS Informatics industry with consumers in Germany, France, the UK, Spain, Italy, and others anticipated to register a steady demand throughout the forecast period, driving the overall market prospects. In addition, the proactive approach of vendors in identifying and leveraging new growth prospects positions the European NGS Informatics market for an upward trajectory, fostering both domestic and international interest. Leading brands operating in the industry are emphasizing effective marketing strategies, innovative product offerings, and a keen understanding of consumer preferences.

Asia Pacific NGS Informatics Market Size Outlook- an attractive hub for opportunities for both local and global companies

The increasing prevalence of indications, robust healthcare expenditure, and increasing investments in healthcare infrastructure drive the demand for NGS Informatics in Asia Pacific. In particular, China, India, and South East Asian NGS Informatics markets present a compelling outlook for 2032, acting as a magnet for both domestic and multinational vendors seeking growth opportunities. Similarly, with a burgeoning population and a rising middle class, India offers a vast consumer market. Japanese and Korean companies are quickly aligning their strategies to navigate changes, explore new markets, and enhance their competitive edge. Our report utilizes in-depth interviews with industry experts and comprehensive data analysis to provide a comprehensive outlook of 6 major countries in the APAC region.

Latin America NGS Informatics Market Size Outlook- Continued urbanization and rising income levels

Rising income levels contribute to greater purchasing power among consumers, spurring consumption and creating opportunities for market expansion. Continued urbanization and rising income levels are expected to sustainably drive consumption growth in the medium to long term.

Middle East and Africa NGS Informatics Market Size Outlook- continues its upward trajectory across segments

Robust demand from Middle Eastern countries including Saudi Arabia, the UAE, Qatar, Kuwait, and other GCC countries supports the overall Middle East NGS Informatics market potential. Fueled by increasing healthcare expenditure of individuals, growing population, and high prevalence across a few markets drives the demand for NGS Informatics.

NGS Informatics Market Company Profiles

The global NGS Informatics market is characterized by intense competitive conditions with leading companies opting for aggressive marketing to gain market shares. The report presents business descriptions, SWOT analysis, growth strategies, and financial profiles. Leading companies included in the study are Agilent Technologies Inc, BIOVIA, Dnanexus Inc, DNASTAR Inc, Eagle Genomics Ltd, F. Hoffmann-La Roche Ltd, Fabric Genomics Inc, GENEWIZ Inc, IBM Corp, Intrexon Bioinformatics Germany GmbH, Illumina Inc, Partek Inc, PerkinElmer Inc, PierianDx Inc, Qiagen NV, Real Time Genomics Inc, Sapio Sciences, SoftGenetics LLC, Thermo Fischer Scientific Inc.

Recent NGS Informatics Market Developments

The global NGS Informatics market study presents recent market news and developments including new product launches, mergers, acquisitions, expansions, product approvals, and other updates in the industry.

NGS Informatics Market Report Scope

Parameters: Revenue, Volume Price

Study Period: 2023 (Base Year); 2018- 2023 (Historic Period); 2024- 2032 (Forecast Period)

Currency: USD; (Upon request, can be provided in Euro, JPY, GBP, and other Local Currency)

Qualitative Analysis

Pricing Analysis

Value Chain Analysis

SWOT Profile

Market Dynamics- Trends, Drivers, Challenges

Porter's Five Forces Analysis

Macroeconomic Impact Analysis

Case Scenarios- Low, Base, High

Market Segmentation:

By Product and Services

NGS Informatics Services

Data Analysis and Management Tool

-Storage and Computing Tool

-Laboratory Information Management System (LIMS)

-Data Interpretation and Reporting Tools

Primary and Secondary Data Analysis Tools

By Application

Drug Discovery

Genetic Screening

Precision Medicine

Others

By End-User

Hospitals

Clinics

Research Institutes

Others

Geographical Segmentation:

North America (3 markets)

Europe (6 markets)

Asia Pacific (6 markets)

Latin America (3 markets)

Middle East Africa (5 markets)

Companies

Agilent Technologies Inc

BIOVIA

Dnanexus Inc

DNASTAR Inc

Eagle Genomics Ltd

F. Hoffmann-La Roche Ltd

Fabric Genomics Inc

GENEWIZ Inc

IBM Corp

Intrexon Bioinformatics Germany GmbH

Illumina Inc

Partek Inc

PerkinElmer Inc

PierianDx Inc

Qiagen NV

Real Time Genomics Inc

Sapio Sciences

SoftGenetics LLC

Thermo Fischer Scientific Inc

Formats Available: Excel, PDF, and PPT

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BIOVIA

Dnanexus Inc

DNASTAR Inc

Eagle Genomics Ltd

F. Hoffmann-La Roche Ltd

Fabric Genomics Inc

GENEWIZ Inc

IBM Corp

Intrexon Bioinformatics Germany GmbH

Illumina Inc

Partek Inc

PerkinElmer Inc

PierianDx Inc

Qiagen NV

Real Time Genomics Inc

Sapio Sciences

SoftGenetics LLC

Thermo Fischer Scientific Inc.

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