

Global Whole Genome And Exome Sequencing Market Analysis: Trends and Forecasts 2024-2030

The Business Research Company's Whole Genome And Exome Sequencing Global Market Report 2024 – Market Size, Trends, And Global Forecast 2024-2033

LONDON, GREATER LONDON, UK, June 21, 2024 /EINPresswire.com/ -- The whole genome and exome sequencing market is experiencing exponential growth, projected to expand from \$1.61 billion in 2023 to \$2.02 billion in

2024, at a compound annual growth rate (CAGR) of 25.5%. It will grow to \$4.91 billion in 2028 at a compound annual growth rate (CAGR) of 24.8%. This growth is driven by decreasing sequencing costs, the rise in genetic disorders, clinical applications, genomic data repositories, and advancements in bioinformatics.



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[Rising Demand for Personalized Medicine Drives Market Growth](#)

The increasing demand for personalized medicine is a major driver for the whole genome and exome sequencing market. Personalized medicine tailors healthcare decisions and interventions based on individual genetic, environmental, and lifestyle factors. This approach utilizes comprehensive genetic analysis provided by whole genome and exome sequencing to guide precision

healthcare strategies.

Explore the global whole genome and exome sequencing market with a detailed sample report: https://www.thebusinessresearchcompany.com/sample_request?id=13957&type=smp

[Major Players and Technological Innovations](#)

Key players such as Siemens AG, Hoffmann-La Roche Ltd., and Thermo Fisher Scientific Inc. are

focusing on developing advanced technological solutions to enhance their market presence. Innovations like ultra-fast next-generation sequencing (NGS) analysis platforms are revolutionizing genomic data analysis, enabling faster processing times and broader adoption in clinical and research settings.

In January 2023, QIAGEN Digital Insights launched an ultra-fast NGS analysis platform capable of processing a whole genome in 25 minutes for \$1 in cloud computing costs, significantly boosting efficiency and scalability in genomic data analysis.

Key Trends Shaping the Market

In the forecast period, the market is witnessing expanded clinical adoption, rapid advancements in sequencing technologies, and the rise of population-scale genomic studies. Integration of artificial intelligence (AI) and machine learning (ML) is further enhancing data analysis capabilities, while applications in oncology and rare disease research continue to grow.

Market Segments

- Product Type: Kits, Instruments
- Workflow: Whole Genome Sequencing (WGS), Whole Exome Sequencing (WES)
- Applications: Diagnostics, Cancer, Monogenic Disorders, Diabetes, Drug Discovery And Development, Personalized Medicine, Agriculture And Animal Research, Other Applications
- End User: Research Center, Academic And Government Institutions, Hospitals And Clinics, Pharmaceutical And Biotechnology Companies, Other End Users

Regional Insights: North America Leads, Asia-Pacific to Witness Fastest Growth

North America dominated the market in 2023, driven by extensive research activities and advanced healthcare infrastructure. Meanwhile, Asia-Pacific is expected to emerge as the fastest-growing region, fueled by increasing investments in healthcare and rising adoption of genomic technologies.

Access the complete report for an in-depth analysis of the global whole genome and exome sequencing market: <https://www.thebusinessresearchcompany.com/report/whole-genome-and-exome-sequencing-global-market-report>

Whole Genome And Exome Sequencing Global Market Report 2024 from TBRC covers the following information:

- Market size data for the forecast period: Historical and Future
- Market analysis by region: Asia-Pacific, China, Western Europe, Eastern Europe, North America, USA, South America, Middle East and Africa.
- Market analysis by countries: Australia, Brazil, China, France, Germany, India, Indonesia, Japan, Russia, South Korea, UK, USA.

Trends, opportunities, strategies and so much more.

The Whole Genome And Exome Sequencing Global Market Report 2024 by The Business Research Company is the most comprehensive report that provides insights on whole genome

and exome sequencing market size, whole genome and exome sequencing market drivers and trends, whole genome and exome sequencing market major players, competitors' revenues, market positioning, and market growth across geographies. The whole genome and exome sequencing market report helps you gain in-depth insights on opportunities and strategies. Companies can leverage the data in the report and tap into segments with the highest growth potential.

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About The Business Research Company

The Business Research Company has published over 27 industries, spanning over 8000+ markets and 60+ geographies. The reports draw on 1,500,000 datasets, extensive secondary research, and exclusive insights from interviews with industry leaders.

Global Market Model – Market Intelligence Database

The Global Market Model, The Business Research Company's flagship product, is a market intelligence platform covering various macroeconomic indicators and metrics across 60 geographies and 27 industries. The Global Market Model covers multi-layered datasets that help its users assess supply-demand gaps.

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