

# Whole Exome Sequencing Market Emerging Opportunities, Comprehensive Research Study, Future Trends and Forecasts 2028

*Whole exome sequencing is a widely used and important next-generation sequencing technique that efficiently sequences all protein-coding regions in a genome.*

VANCOUVER, BC, CANADA, June 1, 2022 /EINPresswire.com/ -- The global [whole exome sequencing market](#) size is expected to be significantly robust in 2028 and register a steady revenue CAGR during the forecast period, according to the latest report by Emergen Research. Increasing

incidence of genetic disorders, rising awareness regarding whole exome sequencing, and rapid development of advanced diagnostic methods for treatment of genetic disorders are key factors expected to drive market revenue growth. In addition, whole exome sequencing is cost-effective as compared to whole genome sequencing methods and has a higher efficiency of detecting

genetic variations or mutations that alter protein sequences and this has boosted its adoption in academic and scientific research



Increasing research and development activities, advancements in genomics, and rising awareness regarding benefits of whole exome sequencing are some key factors expected to drive market growth”

*Emergen Research*

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Market Dynamics:

Whole exome sequencing is a widely used and important next-generation sequencing technique that efficiently

sequences all protein-coding regions in a genome. Whole exome sequencing is primarily used to screen and identify variations and mutations in the protein-coding regions. Whole exome



sequencing can accurately detect genetic mutations that are related to birth defects and development delays. Increasing awareness regarding benefits of whole exome sequencing in detecting genetic disorders, rising investment to accelerate genomics and proteomics research, and adoption of cutting-edge technologies are key factors expected to drive market revenue growth over the forecast period.

Key players operating in the Whole Exome Sequencing Market are:

The prominent players operating in the Whole Exome Sequencing Market are profiled in-depth in the report and their strategies, collaborations, and product innovations. The analysis of the key players and their strategies to fortify their presence in the market impart a better understanding of the competitive landscape of the Electronic Health Records Market.

Key players operating in the Whole Exome Sequencing Market are:

- Illumina, Inc.
- Life Technologies
- Roche NimbleGen, Inc.
- Agilent Technologies
- BGI (Beijing Genomics Institute)
- Eurofins Genomics, Inc.
- Sengenics
- GENEWIZ, Inc.
- Knome, Inc.
- MacroGen, Inc.
- Ambry Genetics

Key players operating in the Whole Exome Sequencing Market are:

The services segment accounted for the largest revenue share in the global market in 2020. Services is further segmented into sequencing and data analysis services. Increase in demand for high-throughput sequencing and data analysis services due to their advantages such as advanced bioinformatics visualization and low-cost sequencing and data management is a key factor driving this segment's growth. Sequence analysis services usually include experimental design, library generation from samples, and downstream analysis of DNA sequences.

Key players operating in the Whole Exome Sequencing Market are:

Based on end-use, the global whole exome sequencing market is segmented into hospitals & clinics, pharmaceutical & biotechnology companies, research centers & academic institutions, and others. The research centers & academic institutions segment is projected to register the fastest revenue growth rate over the forecast period. Factors contributing to this segment's

growth are growing demand for advanced therapeutics and personalized medicine, increasing investments by government bodies in genomic research programs, growing use of whole exome sequencing in clinical genetic laboratories, and increasing use of the technology in diagnosis and treatment of cancer and other chronic illnesses.

Regional Market Outlook: Among regional markets, the North America whole exome sequencing market accounted for the largest revenue share in the global market in 2020. Growing prevalence of chronic and genetic disorders, rising demand for personalized medicine, increasing adoption of whole exome sequencing technology for development of advanced diagnostics, and increasing genomic R&D activities are major factors bolstering the North America market revenue growth. Revenue growth is further driven by factors such as increased government funding for cancer research and presence of leading market players in the region, including Illumina, Inc., Agilent Technologies, and Life Technologies.

Emergen Research has segmented the global Blockchain in Genomics Market on the basis of service, business model, application, end-use, and region:

Service Outlook (Revenue, USD Million; 2017-2027)  
Utility  
Platforms

Business Model Outlook (Revenue, USD Million; 2017-2027)  
Business to Customer (B2C)  
Business to Business (B2B)  
Customer to Business (C2B)

Application Outlook (Revenue, USD Million; 2017-2027)  
Data Storage & Security  
Data Sharing and Monetization  
Automated Health Insurance

End-Use Outlook (Revenue, USD Million; 2017-2027)  
Hospitals  
Pharmaceutical and Biotechnology  
Research Institutes

Geographical market research report @ <https://www.emergenresearch.com/request-for-customization/790>

Geographically, this report studies the key regions, focuses on product sales, value, market share and growth opportunity in these regions, covering:

United States

Europe

China

Japan

Southeast Asia

India

We can also provide the customized separate regional or country-level reports, for the following regions:

North America, United States, Canada, Mexico, Asia-Pacific, China, India, Japan, South Korea, Australia, Indonesia, Singapore, Rest of Asia-Pacific, Europe, Germany, France, UK, Italy, Spain, Russia, Rest of Europe, Central & South America, Brazil, Argentina, Rest of South America, Middle East & Africa, Saudi Arabia, Turkey, Rest of Middle East & Africa

What are the key drivers and challenges in the market?

The study paper dissects the total market potential of major regions with strengths, opportunity and challenge, constraints, and dangers.

By identifying the high-improvement locations, the study inspects the open entryways, keeping an eye out for accomplices.

It examines each submarket in terms of a single improvement design and its contribution to the market.

It examines the recent developments, such as advancements, business strategies, new product releases, and acquisitions.

It purposefully profiles the major market players and thoroughly investigates their advancement strategies.

What are the key players in the market?

single cell sequencing market

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synthetic blood substitutes market

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rehabilitation robotics market

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