

Quantum Computing In Healthcare Market Segments, Drivers, Restraints, And Trends For 2024-2033

The Business Research Company's Quantum Computing In Healthcare Global Market Report 2024 – Market Size, Trends, And Global Forecast 2024-2033

LONDON, GREATER LONDON, UK, July 31, 2024 /EINPresswire.com/ -- The quantum computing in healthcare market has experienced robust growth in recent years, expanding from \$0.06 billion in 2023 to \$0.09 billion in 2024

at a compound annual growth rate (CAGR) of 36.8%. The growth in the historic period can be attributed to expansion of high-speed networks, increased preference for quantum computing, increased patient engagement and adherence to individual-level treatments, increased bandwidth, and strong integrity, increased molecular interaction.



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Strong Future Growth Anticipated

The quantum computing in healthcare market is projected to continue its strong growth, reaching \$0.30 billion in 2028 at a compound annual growth rate (CAGR) of 37.1%. The growth in the forecast period can be attributed to increasing investments in quantum computing, growing demand for precision medicine, demand for precision

medicine rising, accelerating drug discovery, capacity to handle extensive data for personalized medicine.

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Growth Driver Of The Quantum Computing In Healthcare Market

The increased availability of high-speed 5G or 6G networks is expected to propel the growth of



quantum computing in the healthcare market going forward. High-speed 5G or 6G networks are advanced wireless communication technologies that provide significantly faster data transfer rates, lower latency, and greater connectivity than previous generations. The availability of high-speed 5G or 6G networks is increasing due to the growing demand for faster, more reliable connectivity to support advanced applications such as IoT, autonomous vehicles, and augmented reality. 5G networks can complement quantum computing in healthcare by enabling faster data transfer, supporting edge computing, facilitating remote healthcare services, and enhancing security and privacy. The integration of these technologies has the potential to revolutionize healthcare delivery, research, and innovation, leading to improved patient outcomes and healthcare outcomes.

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Major Players And Market Trends

Key players in the quantum computing in healthcare market include Google LLC, Microsoft Corporation, Tencent Holdings Limited, Intel Corporation, IBM Corporation, HoneyWell International Inc.

Major companies operating in the quantum computing in healthcare market are developing advanced technologies, such as quantum computers, to analyze vast amounts of genomic data much faster than classical computers, to provide personalized treatment plans. Quantum computers potentially solve complex problems in cryptography, optimization, drug discovery, and material science much faster than classical computers.

Segments:

- 1) By Component: Hardware, Software, Services
- 2) By Technology: Superconducting Qubits, Trapped Ions, Quantum Annealing, Other Technologies
- 3) By Deployment: On-Premise, Cloud
- 4) By Application: Drug Discovery And Development, Medical Diagnostics, Genomics And Precision Medicine, Radiotherapy, Risk Analysis, Other Applications
- 5) By End-User: Pharmaceutical And Biopharmaceutical Companies, Labs And Research Institutes, Healthcare Providers, Healthcare Payers

Geographical Insights: North America Leading The Market

North America was the largest region in the quantum computing in healthcare market in 2023. Asia-Pacific is expected to be the fastest-growing region in the forecast period. The regions covered in the [quantum computing in healthcare market report](#) are Asia-Pacific, Western Europe, Eastern Europe, North America, South America, Middle East, Africa.

Quantum Computing In Healthcare Market Definition

Quantum computing in healthcare refers to the utilization of quantum computing technology to

enhance various aspects of the healthcare industry, including but not limited to drug discovery, medical imaging, genomics, personalized medicine, and healthcare optimization. This technology solves complex computational problems more efficiently than classical computers, accelerates research, improves patient care, and optimizes healthcare systems.

Quantum Computing In Healthcare Global Market Report 2024 from The Business Research Company 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 Quantum Computing In Healthcare Global Market Report 2024 by The Business Research Company is the most comprehensive report that provides insights on [quantum computing in healthcare market size](#), quantum computing in healthcare market drivers and trends, quantum computing in healthcare market major players, quantum computing in healthcare competitors' revenues, quantum computing in healthcare market positioning, and quantum computing in healthcare market growth across geographies. The quantum computing in healthcare market report helps you gain in-depth insights into opportunities and strategies. Companies can leverage the data in the report and tap into segments with the highest growth potential.

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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.

Contact Information

The Business Research Company

Europe: +44 207 1930 708

Asia: +91 8897263534

Americas: +1 315 623 0293

Oliver Guirdham

The Business Research Company

+44 20 7193 0708

info@tbrc.info

Visit us on social media:

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