

Blockchain Healthcare Market Size to Reach USD 229.88 Billion by 2032 Clinical Trials & Pharma Supply Chain Solutions

Blockchain Healthcare Market size was valued at USD 5.05 Bn in 2024 and is expected to reach USD 229.88 Bn by 2032, at a CAGR of 61.13%.

ORLANDO, FL, UNITED STATES, November 6, 2025 /EINPresswire.com/ -- [Blockchain Healthcare Market](#) was valued at USD 5.05 billion in 2024 and is projected to reach USD 229.88 billion by 2032, growing at a CAGR of 61.13%.

Blockchain Healthcare Market Overview: Driving Secure Patient Records, Interoperable EHRs, Clinical Trials, and Pharmaceutical Supply Chain Transparency

Blockchain Healthcare Market is transforming modern healthcare through blockchain technology for secure patient records, interoperable electronic health records (EHRs), blockchain-enabled clinical trials, and pharmaceutical supply chain transparency. Industry leaders like IBM, Microsoft, and Gem are driving adoption, ensuring tamper-proof data, counterfeit drug prevention, and healthcare data protection. Rapid implementation across hospitals, pharmaceutical companies, and healthcare providers highlights strong potential for blockchain adoption in healthcare, data security, and operational efficiency worldwide.

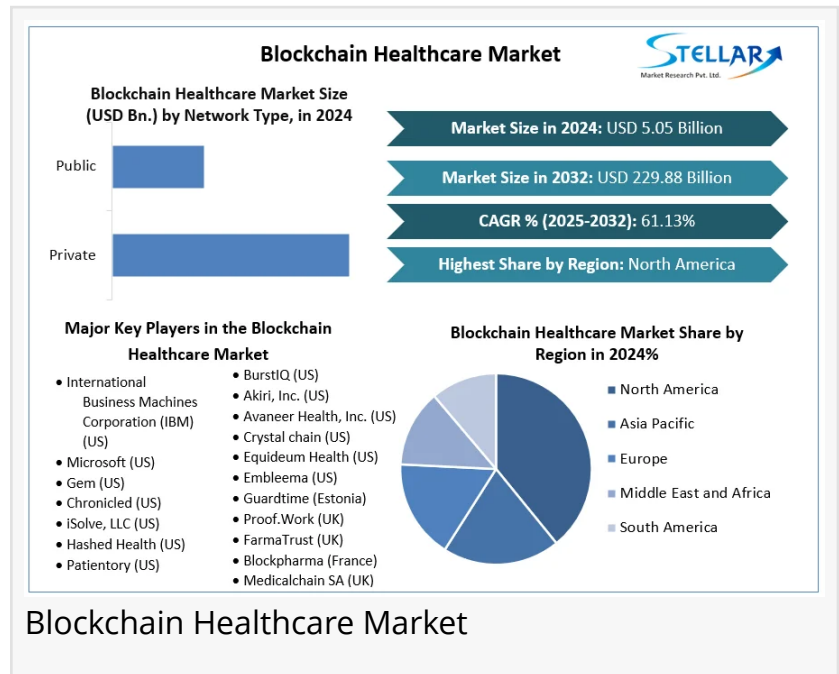
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The Blockchain in Healthcare Market is revolutionizing data security, interoperability, and transparency, empowering healthcare systems with trust, efficiency, and patient-centered data control.”

Navneet Kaur

Blockchain Healthcare Market Growth Fueled by Secure

Patient Records, Clinical Trials, and Counterfeit Drug Prevention



Blockchain Healthcare Market is propelled by the urgent need for secure patient records, counterfeit drug prevention, and healthcare data protection. Increasing adoption of blockchain technology in clinical trials, electronic medical records (EMR), and pharmaceutical supply chains ensures tamper-proof data, transparency, and interoperability, creating lucrative growth opportunities while transforming global healthcare operations.

Global Blockchain Healthcare Market Segments Covered	
By Application	Supply chain management Clinical Data Exchange & Interoperability Claims Adjudication & Billing Management Clinical Trials & eConsent Other Applications
By End-User	Pharmaceutical Companies Healthcare Players Healthcare Providers Other End Users
By Network Type	Private Public Others
By Region	North America (United States, Canada and Mexico) Europe (UK, France, Germany, Italy, Spain, Sweden, Austria, Turkey, Russia and Rest of Europe) Asia Pacific (China, India, Japan, South Korea, Australia, ASEAN (Indonesia, Malaysia, Myanmar, Philippines, Singapore, Thailand, Viet Nam etc.) and of APAC) Middle East and Africa (South Africa, GCC, Egypt, Nigeria and Rest of ME) South America (Brazil, Argentina, Colombia and Rest of South America)

Blockchain Healthcare Market Segment

□ Access the full Research Description at:
https://www.stellarmr.com/report/req_sample/blockchain-healthcare-market/2451

Blockchain Healthcare Market Hindered by Limited Awareness, Data Security Challenges, and Counterfeit Drug Risks

Global Blockchain Healthcare Market faces adoption challenges due to limited awareness of distributed ledger technology in healthcare, including its applications in secure patient records, clinical trials, and pharmaceutical supply chain management. Insufficient knowledge among healthcare providers, investors, and end users slows implementation, hindering the realization of blockchain’s full potential in healthcare data security, interoperability, and counterfeit drug prevention.

Blockchain Healthcare Market Unlocks Growth Through Secure Patient Records, Clinical Trials, and Counterfeit Drug Prevention

Global Blockchain Healthcare Market presents significant opportunities as startups, hospitals, and global stakeholders increasingly implement blockchain technology for secure patient records, clinical trials, and pharmaceutical supply chains. Rising awareness and investment in healthcare data protection, EMR interoperability, counterfeit drug prevention, and blockchain-enabled clinical trials position blockchain as a transformative force in modern healthcare.

Blockchain Healthcare Market Segmentation Driving Growth Across Supply Chains, Clinical Trials, and Secure Patient Data

Blockchain Healthcare Market is segmented by application, end-user, and network type, with supply chain management emerging as the dominant segment due to its critical role in counterfeit drug prevention, secure patient records, and pharmaceutical supply chain

transparency. Other high-growth segments include clinical trials, eConsent, and healthcare data interoperability, as hospitals, pharmaceutical companies, and healthcare providers increasingly adopt blockchain technology for secure, tamper-proof, and efficient healthcare operations.

Global Blockchain Healthcare Market Trends Driving Supply Chain Transparency, Interoperable EHRs, and Patient Data Security

Blockchain-Enabled Pharmaceutical Supply Chain Management: The adoption of blockchain technology in healthcare supply chains ensures secure patient records, tamper-proof drug tracking, and counterfeit drug prevention, enhancing transparency and operational efficiency in pharmaceutical companies and medical device logistics.

Interoperable Clinical Data Exchange & Electronic Health Records (EHRs): Blockchain provides a decentralized and secure platform for clinical data exchange, addressing fragmented electronic health records, improving interoperability across hospitals, clinics, and healthcare providers, and enabling efficient healthcare data management.

Patient-Centric Data Security & Privacy: By leveraging cryptographic encryption and distributed ledger technology, blockchain safeguards sensitive patient information, ensures healthcare data privacy, and gives patients control over access to medical records, driving trust and adoption in modern healthcare systems.

Global Blockchain Healthcare Market Advances with IBM, Microsoft, and Gem Driving Secure Patient Data, Interoperable EHRs, and Clinical Trial Transparency

In 2024, IBM launched its blockchain-enabled Personalized Medicine Platform, enhancing secure patient records, pharmaceutical supply chain transparency, and tamper-proof clinical data, setting a benchmark for innovation in healthcare data management.

In May 2025, Microsoft introduced the Healthcare Agent Orchestrator, combining blockchain technology and AI to ensure interoperable EHRs, secure patient data, and streamlined clinical trials, driving adoption across global healthcare systems.

Gem Health partnered with major healthcare operators to deploy decentralized blockchain infrastructure, enabling secure patient data exchange, clinical trial transparency, and interoperable healthcare records, positioning blockchain as a transformative force in modern healthcare.

North America and Europe Driving Secure Patient Records, Drug Traceability, and Interoperable Healthcare Systems

North America leads the Global Blockchain Healthcare Market, driven by favorable regulations, the FDA Drug Supply Chain Security Act, and rising demand for secure patient records,

blockchain-enabled pharmaceutical supply chains, counterfeit drug prevention, and healthcare data protection. Companies like Avaneer Health highlight rapid blockchain adoption in healthcare, showcasing its role in reducing healthcare costs, improving interoperability, and enhancing healthcare data security.

Europe is witnessing robust Blockchain Healthcare Market growth, driven by adoption in secure patient records, blockchain-based clinical trials, and pharmaceutical supply chain management. Countries like Germany, France, and the UK leverage blockchain technology for health data management, drug traceability, and AI-powered digital therapeutics, with innovators such as Epillo Health, Camelot Consulting, and Guardtime leading transformative blockchain healthcare solutions.

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Global Blockchain Healthcare Market Key players:

North America

International Business Machines Corporation (IBM) (US)

Microsoft (US)

Gem (US)

Chronicled (US)

iSolve, LLC (US)

Hashed Health (US)

Patientory (US)

Factom (US)

SimplyVital Health (US)

Solve. Care (US)

Oracle Corporation (US)

Change Healthcare (acquired by UnitedHealth Group's Optum) (US)

BurstIQ (US)

Akiri, Inc. (US)

Avaneer Health, Inc. (US)

Crystal chain (US)

Equideum Health (US)

Embleema (US)

Europe

Guardtime (Estonia)

Proof.Work (UK)

FarmaTrust (UK)

Blockpharma (France)
Medicalchain SA (UK)
Farma Trust (UK)
Medical Chain SA (UK)

FAQs:

What is the projected growth of the Global Blockchain Healthcare Market?

Ans: Global Blockchain Healthcare Market is projected to grow from USD 5.05 billion in 2024 to USD 229.88 billion by 2032, at a CAGR of 61.13%, driven by secure patient records, clinical trials, and blockchain-enabled pharmaceutical supply chains.

Which applications are driving the Blockchain Healthcare Market?

Ans: Key applications driving growth include supply chain management, clinical trials and eConsent, interoperable electronic health records (EHRs), and secure patient data management, enhancing transparency, data security, and counterfeit drug prevention.

Who are the leading players in the Blockchain Healthcare Market?

Ans: Leading players include IBM, Microsoft, Gem, Chronicled, Hashed Health, Avaneer Health, Guardtime, and FarmaTrust, pioneering blockchain adoption in secure patient records, pharmaceutical supply chains, and clinical trial transparency.

Analyst Perspective:

According to industry analysts, the Blockchain Healthcare Market is witnessing transformative growth driven by the need for secure patient records, interoperable clinical trials, and blockchain-enabled pharmaceutical supply chains. Leading companies like IBM, Microsoft, and Gem are spearheading adoption, while increasing investments and innovative solutions signal robust potential, intensified competition, and a shift toward more efficient, transparent healthcare operations worldwide.

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<https://www.mmrstatistics.com/markets/461/topic/346/healthcare>

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