

# **Blockchain in Healthcare Market: Distribution by Application (Drug Discovery, Clinical Trials) Type of Blockchain (Public Blockchain, Private Blockchain, Hybrid Blockchain, and Other Blockchains), Type of End User (Hospitals, Pharmaceutical Industry, Research Institutes and Academic Institutes), and Key Geographical Regions (North America, Europe, Asia-Pacific, and Rest of the World): Industry Trends and Global Forecasts, 2023-2035**

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## **Abstracts**

The global blockchain in healthcare market is expected to reach USD 58 million in 2023 anticipated to grow at a CAGR of 22% during the forecast period 2023-2035.

The healthcare landscape faces multifaceted challenges, encompassing fragmented medical record maintenance, compromised data integrity, interoperability hurdles, inefficiencies in supply chain management, and breaches compromising patient information security. Additionally, a significant portion, around 80%, of medical studies encounter obstacles leading to undesired outcomes due to errors like fraud, data falsification, and trial misconduct. Between July 2021 and June 2022, over 690 healthcare data breaches were reported, highlighting the industry's vulnerability.

Responding to these critical issues, blockchain technology, also termed distributed ledger technology (DLT), emerges as a promising solution. This innovative technology effectively identifies systemic flaws within the medical sector while enabling secure storage and management of healthcare data and transactions. Its applications span diverse healthcare domains, particularly in optimizing clinical trials by preventing data

manipulation and enhancing trial data transparency. Furthermore, it significantly improves supply chain management by curbing counterfeit drugs and medications. Moreover, in telemedicine, blockchain safeguards medical records from unauthorized access or tampering and facilitates secure data transfer among different healthcare providers.

## Report Coverage

An executive summary of the key insights captured in report offering a high-level view of the current state of blockchain in drug discovery and clinical trials market and its likely evolution in the short term to mid-term and long term.

Overview of blockchain technology, along with information on its types, including public blockchain, private blockchain, and consortium blockchain and applications across various industries. Additionally, it highlights the application of blockchain, specifically in drug discovery and clinical trials.

A detailed review of the overall market landscape of blockchain in drug discovery and clinical trials, featuring information on the type of blockchain(s), type of drug development application(s), applications within clinical trial management, type of end-users.

An insightful company competitiveness analysis of blockchain technology providers, based on their supplier strength, portfolio diversity and portfolio strength.

Elaborated profiles of key players engaged in providing blockchain platforms for drug discovery and clinical trials. Each profile features a brief overview of the company along with information on their year of establishment, number of employees, location of headquarters, key executives, financial information (if available), details on application areas of proprietary platform, recent developments and an informed future outlook.

An in-depth analysis of the various collaborations and partnerships that have been inked by stakeholders engaged in this domain, during the period 2017-2022. It includes a brief description of the partnership models adopted by stakeholders in this domain.

A detailed review of peer-reviewed, scientific articles related to research on

blockchain in drug discovery and clinical trials, based on several relevant parameters, such as year of publication, type of article, popular publishers, popular copyright holders and keywords. The chapter also highlights the key journals.

Information on the affiliated trends, key drivers and challenges associated with blockchain, under a reliable SWOT framework.

A detailed case study on the history and evolution of blockchain in various industries along with details on its advantages and challenges.

An insightful market forecast analysis, highlighting the likely growth of the blockchain in drug discovery and clinical trials market till the year 2035. In order to provide details on the future opportunity, our projections have been segmented on the basis of type of blockchain (public blockchain, private blockchain, hybrid blockchain, other blockchains), type of end user (hospitals, pharmaceutical industry, research institutes and academic institutes) and key geographical regions (North America, Europe, Asia-Pacific and Rest of the world).

## Key Market Companies

Alten Calsoft Labs

ConsenSys

Humanscape

Hyperledger Foundation

IBM

Infosys

Innoplexus

Medsphere

Solulab

Stratumn

Tech Mahindra

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