

Global Blockchain in Healthcare Market: Focus on Industry Analysis and Opportunity Matrix - Analysis and Forecast, 2018-2025

<https://marketpublishers.com/r/GA606937DCF4EN.html>

Date: April 2018

Pages: 150

Price: US\$ 4,599.00 (Single User License)

ID: GA606937DCF4EN

Abstracts

Hard copy option is available on any of the options above at an additional charge of \$500. Please email us at order@marketpublishers.com with your request.

The development in providing efficient health-care services is heavily dependent on advances in the information technology, and particularly in the ability to record and store information easily and economically and share it securely among disparate applications and systems. However, less than 10% of healthcare organizations regularly share medical information with providers outside of their organization. The lack of interoperability and limited linkage between the healthcare storage systems, makes it difficult to transmit, retrieve, clean and analyze data. Thus, most of the data is contained in silos. Additionally, there are widespread concerns regarding security and privacy about storage and exchange of data as healthcare organizations have been subjected to growing number of data breaches and malicious attacks. Blockchain technology is increasingly being touted as the panacea for the interoperability and security issues that plague the antiquated health systems.

The global blockchain in the healthcare market is estimated to amount to \$5.61 billion by 2025, witnessing a double-digit growth throughout the forecast period of 2018-2025.

The research study is a compilation of various segmentations including the blockchain structure and ecosystem, foundational elements of blockchain, types of blockchains and their uses, and expected adoption timeline of blockchain in healthcare. This report provides a detailed analysis of the various use cases and applications of blockchain in healthcare, their benefits, and challenges for their implementation. Moreover, it gives the potential revenue generation from the adoption of blockchain for each application

over the forecast period.

The market has been analyzed based on various micro and macro trends influencing it. While highlighting the key driving and restraining forces for this dynamic market, the report also provides a comprehensive section on competitive landscape, regulatory framework, funding scenario, and key strategies and developments mapping within the global blockchain in the healthcare market.

The following key questions have been addressed in the report:

How has the blockchain in healthcare market evolved in the past and how is it anticipated to evolve during the forecast period from 2018 to 2025?

What are the major market factors propelling the adoption of blockchain technology in the healthcare market?

What are the various challenges for the implementation of blockchain that must be addressed?

What are the major applications of blockchain in healthcare that are being explored?

Who are the key players offering technology solutions across the different applications and how are they competitively positioned in the market?

What are the key developmental strategies adopted by the key players to stand out in this market?

Which applications are on investment priority and why? What will be the revenue generated through each application through the forecast period?

The report also examines the role of the leading market players involved in the industry. The company profiles section highlights significant information about the key companies, such as their product portfolio, financial positions, and the SWOT analysis of these players. Some of the key players in blockchain in the healthcare market are Hashed Health, iSolve, Patientory, Medical chain, Chronicled, FarmaTrust, SimplyVital Health, The Link Lab, IBM Corporation, Change Healthcare, Microsoft, and Optum.

Contents

EXECUTIVE SUMMARY

1 RESEARCH SCOPE AND METHODOLOGY

- 1.1 Scope of the Report
- 1.2 The Blockchain Technology Report Research Methodology
 - 1.2.1 Primary Sources
 - 1.2.2 Secondary Sources

2 MARKET OVERVIEW

- 2.1 Blockchain Structure
- 2.2 Blockchain Construct
 - 2.2.1 Proof-of-Work (POW)
 - 2.2.2 Proof-of-Stake (PoS)
- 2.3 Blockchain Ecosystem
- 2.4 Foundational Elements of Blockchain
- 2.5 Types of Blockchain
 - 2.5.1 Public Blockchain
 - 2.5.2 Private Blockchain
 - 2.5.3 Permissioned Blockchain
- 2.6 Blockchain Adoption Timeline in Healthcare

3 MARKET DYNAMICS

- 3.1 Market Drivers
 - 3.1.1 Elimination of Intermediaries and Cost Savings
 - 3.1.2 Transparency and Removal of Risk of Unscrupulous Activity and Security from Cyber Attacks
 - 3.1.3 Government Partnerships
 - 3.1.4 Establishment of Consortiums/ Working Groups
- 3.2 Market Challenges
 - 3.2.1 Lack of Awareness and Understanding
 - 3.2.2 Trade Off between Cost and Security
 - 3.2.3 Shortage of Skill Set

4 INDUSTRY ANALYSIS

4.1 Healthcare Blockchain Consortia

4.1.1 The Hyperledger Project – Healthcare Working Group

4.1.2 Hashed Health Blockchain Consortium

4.1.3 The Mediledger Project

4.1.4 DokChain Alliance

4.1.5 Humana, MultiPlan, Quest Diagnostics, Optum & United Healthcare – Blockchain Group

4.1.6 My Health My Data Consortium

4.1.7 Viant Blockchain Programme

4.2 Regulatory Landscape

4.2.1 Pharmaceutical Supply Chain

4.2.2 Cold Chain Monitoring

4.2.3 Medical Data Management

4.3 Standards

5 COMPETITIVE INSIGHTS

5.1 Key Strategies & Development

5.1.1 Product Development & Launch

5.1.2 Partnerships, Joint Ventures & Collaborations

5.1.3 Funding & Contracts

5.1.4 Others

5.2 Investment and Funding Scenario

6 BLOCKCHAIN APPLICATION IN HEALTHCARE: OPPORTUNITY AND USE CASE ANALYSIS

6.1 Healthcare Data Exchange and Interoperability

6.1.1 Current Challenges

6.1.1.1 Data Security

6.1.2 Blockchain Solutions

6.1.2.1 Interoperability

6.1.2.2 Data Security and Privacy

6.1.2.3 Patient Engagement

6.2 Drug Supply Chain Management

6.2.1 Current Challenges

6.2.2 Blockchain Solutions

6.2.2.1 Counterfeit Products

- 6.2.2.2 Compliance
- 6.2.2.3 Cold Chain Monitoring
- 6.3 Prescription Drug Abuse
 - 6.3.1 Current Challenges
 - 6.3.2 Blockchain Solution
- 6.4 Health Insurance
 - 6.4.1 Current Challenges
 - 6.4.2 Blockchain Solutions
 - 6.4.2.1 Exchange of Information
 - 6.4.2.2 Maintaining Accurate Client Information
 - 6.4.2.3 Underwriting, Pricing and Claim Management
 - 6.4.2.4 Compliance
 - 6.4.2.5 Payments
- 6.5 Drug Discovery and Clinical Trials

7 COMPANY PROFILES

- 7.1 Change Healthcare
 - 7.1.1 Company Overview
 - 7.1.2 Product/Service Offerings
 - 7.1.3 Corporate Summary
 - 7.1.4 Recent Developments
 - 7.1.5 SWOT Analysis
- 7.2 Chronicled, Inc.
 - 7.2.1 Company Overview
 - 7.2.2 Product/Service Offerings
 - 7.2.3 Corporate Summary
 - 7.2.4 Recent Developments
 - 7.2.5 SWOT Analysis
- 7.3 Factom Inc.
 - 7.3.1 Company Overview
 - 7.3.2 Product/Service Offerings
 - 7.3.3 Corporate Summary
 - 7.3.4 Recent Developments
 - 7.3.5 SWOT Analysis
- 7.4 FarmaTrust
 - 7.4.1 Company Overview
 - 7.4.2 Product/Service Offerings
 - 7.4.3 Corporate Summary

- 7.4.4 Recent Developments
- 7.4.5 SWOT Analysis
- 7.5 Hashed Health
 - 7.5.1 Company Overview
 - 7.5.2 Product/Service Offerings
 - 7.5.3 Corporate Summary
 - 7.5.4 Recent Developments
 - 7.5.5 SWOT Analysis
- 7.6 Healthereum, LLC
 - 7.6.1 Company Overview
 - 7.6.2 Product/Service Offerings
 - 7.6.3 Corporate Summary
 - 7.6.4 SWOT Analysis
- 7.7 Healthereum
 - 7.7.1 Company Overview
 - 7.7.2 Product/Service Offerings
 - 7.7.3 Corporate Summary
 - 7.7.4 SWOT Analysis
- 7.8 IBM Corporation
 - 7.8.1 Company Overview
 - 7.8.2 Product/Service Offerings
 - 7.8.3 Recent Developments
 - 7.8.4 Financials
 - 7.8.4.1 Overall Financials
 - 7.8.4.2 Net Revenue by Business Segment
 - 7.8.4.3 Net Revenue by Region
 - 7.8.4.4 Financial Summary
 - 7.8.5 SWOT Analysis
- 7.9 iSolve, LLC
 - 7.9.1 Company Overview
 - 7.9.2 Product/Service Offerings
 - 7.9.3 Corporate Summary
 - 7.9.4 SWOT Analysis
- 7.10 Medicalchain SA
 - 7.10.1 Company Overview
 - 7.10.2 Product/Service Offerings
 - 7.10.3 Corporate Summary
 - 7.10.4 Recent Developments
 - 7.10.5 SWOT Analysis

- 7.11 Microsoft Corporation
 - 7.11.1 Company Overview
 - 7.11.2 Product/Service Offerings
 - 7.11.3 Financials
 - 7.11.3.1 Overall Financials
 - 7.11.3.2 Net Revenue by Business Segment
 - 7.11.3.3 Net Revenue by Region
 - 7.11.3.4 Financial Summary
 - 7.11.4 SWOT Analysis
- 7.12 Patientory, Inc.
 - 7.12.1 Company Overview
 - 7.12.2 Product/Service Offerings
 - 7.12.3 Corporate Summary
 - 7.12.4 Recent Developments
 - 7.12.5 SWOT Analysis
- 7.13 PokitDok, Inc.
 - 7.13.1 Company Overview
 - 7.13.2 Product/Service Offerings
 - 7.13.3 Corporate Summary
 - 7.13.4 Recent Developments
 - 7.13.5 SWOT Analysis
- 7.14 Proof.Work
 - 7.14.1 Company Overview
 - 7.14.2 Product/Service Offerings
 - 7.14.3 Corporate Summary
 - 7.14.4 SWOT Analysis
- 7.15 SimplyVital Health Inc.
 - 7.15.1 Company Overview
 - 7.15.2 Product/Service Offerings
 - 7.15.3 Corporate Summary
 - 7.15.4 Recent Developments
 - 7.15.5 SWOT Analysis
- 7.16 SkyCell AG
 - 7.16.1 Company Overview
 - 7.16.2 Product/Service Offerings
 - 7.16.3 Corporate Summary
 - 7.16.4 SWOT Analysis

List Of Tables

LIST OF TABLES

Table 3.1 Market Drivers – Impact Analysis

Table 3.2 Market Drivers – Impact Analysis

Table 5.1 Investment and Funding Scenario

Table 6.1 Blockchain in Healthcare Market by Application (2018-2025)

Table 6.2 Key Players Offering Blockchain based Healthcare Data Exchange Solutions

Table 6.3 Key Players Providing Blockchain based Pharmaceutical Supply Chain Management Solutions

Table 6.4 Key Players Providing Blockchain Solutions for Health Insurance

Table 7.1 Change Healthcare: Recent Developments

Table 7.2 Chronicled: Recent Developments

Table 7.3 Factom: Recent Developments

Table 7.4 FarmaTrust: Recent Developments

Table 7.5 Hashed Health: Recent Developments

Table 7.6 IBM Recent Developments

Table 7.7 Medicalchain SA: Recent Developments

Table 7.8 Patientory, Inc.: Recent Developments

Table 7.9 PokitDok: Recent Developments

Table 7.10 SimplyVital Health Inc.: Recent Developments

List Of Figures

LIST OF FIGURES

Figure 1 Blockchain Application Analysis
Figure 2 Blockchain in Healthcare Market by Application
Figure 1.1 Blockchain Technology Report Scope
Figure 1.2 Top-Down Approach for Estimating Blockchain in Healthcare Revenue
Figure 2.1 Blockchain Structure
Figure 2.2 Process Flow in Proof-of-Work (PoW)
Figure 2.3 Comparison between Proof-of-Work and Proof-of-Stake
Figure 2.4 Blockchain Ecosystem
Figure 2.5 Public Blockchain
Figure 2.6 Private Blockchain
Figure 2.7 Blockchain Ecosystem by Type of Blockchain, 2017 and 2026
Figure 2.8 Adoption Timeline Blockchain in Healthcare
Figure 5.1 Key Strategies Employed by Companies in Healthcare Blockchain
Figure 6.1 Challenges Related to Data Privacy and Security
Figure 6.2 Uploading Data on the Blockchain from EHRs
Figure 6.3 Benefits of Blockchain Use for Health Data Exchange
Figure 6.4 Blockchain Market for Healthcare Data Exchange (2017-2025)
Figure 6.5 Current Challenges of Pharma Supply Chain
Figure 6.6 Trade Incidents of Fake Pharmaceuticals by Region
Figure 6.7 Blockchain for Drug Traceability
Figure 6.8 Drug Traceability Laws across the World
Figure 6.9 Blockchain Market in Pharmaceutical Supply Chain (2017-2025)
Figure 6.10 Advantages of Using Blockchain in Pharmaceutical Supply Chain
Figure 6.11 Current Pain Points of Health Insurance
Figure 6.12 Frauds Committed by Different Stakeholders in Health Insurance
Figure 6.13 Use Cases of Blockchain in Insurance
Figure 6.14 Blockchain Market in Health Insurance (2017-2025)
Figure 6.15 Clinical Trial Consent on Blockchain
Figure 6.16 Blockchain Market in Drug Discovery (2017-2025)
Figure 7.1 Change Healthcare: Product/Service Offerings
Figure 7.2 Change Healthcare: SWOT Analysis
Figure 7.3 Chronicled: Product/Service Offerings
Figure 7.4 Chronicled: SWOT Analysis
Figure 7.5 Factom Inc.: Product/Service Offerings
Figure 7.6 Factom: SWOT Analysis

Figure 7.7 FarmaTrust: Product/Service Offerings
Figure 7.8 FarmaTrust Target Architecture
Figure 7.9 FarmaTrust: SWOT Analysis
Figure 7.10 Hashed Health: Product/Service Offerings
Figure 7.11 Hashed Health: SWOT Analysis
Figure 7.12 Healthereum, LLC: Product/Service Offerings
Figure 7.13 Healthereum, LLC: SWOT Analysis
Figure 7.14 Healthereum: Product/Service Offerings
Figure 7.15 Healthereum, LLC: SWOT Analysis
Figure 7.16 IBM Corporation: Product/Service Offerings
Figure 7.17 IBM Corporation: Overall Financials (2015-2017)
Figure 7.18 IBM Corporation: Net Revenue by Business Segment (2015-2017)
Figure 7.19 IBM Corporation: Net Revenue by Region (2015-17)
Figure 7.20 IBM Corporation: SWOT Analysis
Figure 7.21 iSolve, LLC: Product/Service Offerings
Figure 7.22 iSolve, LLC: SWOT Analysis
Figure 7.23 Medicalchain SA: Product/Service Offerings
Figure 7.24 Medicalchain: SWOT Analysis
Figure 7.25 Microsoft Corporation: Product/Service Offerings
Figure 7.26 Microsoft Corporation: Overall Financials (2015-17)
Figure 7.27 Microsoft Corporation: Net Revenue by Business Segment (2015-2017)
Figure 7.28 Microsoft Corporation: Net Revenue by Region (2015-17)
Figure 7.29 Microsoft Corporation: SWOT Analysis
Figure 7.30 Patientory, Inc.: Product/Service Offerings
Figure 7.31 Patientory, Inc.: SWOT Analysis
Figure 7.32 PokitDok: Product/Service Offerings
Figure 7.33 PokitDok: SWOT Analysis
Figure 7.34 Proof.Work: Product/Service Offerings
Figure 7.35 Proof.Work: SWOT Analysis
Figure 7.36 SimplyVital Health Inc.: Product/Service Offerings
Figure 7.37 SimplyVital Health, Inc.: SWOT Analysis
Figure 7.38 SkyCell: Product/Service Offerings
Figure 7.39 SkyCell AG: SWOT Analysis

I would like to order

Product name: Global Blockchain in Healthcare Market: Focus on Industry Analysis and Opportunity Matrix - Analysis and Forecast, 2018-2025

Product link: <https://marketpublishers.com/r/GA606937DCF4EN.html>

Price: US\$ 4,599.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GA606937DCF4EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

