

# Blockchain and Distributed Ledger Technology in Health Care

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**Abstract:** *Data today isn't often shared among doctors or patients. Patients themselves have to request copies of their medical histories. So, to ensure that all healthcare participants (e.g., doctors, surgeons, pharmacists, nurses, patients) to have access to the data there is only one way that is using Distributed ledger technology and Blockchain technology in health care. Recently, Estonia which is a part of Europe country is using blockchain to secure its citizen's medical histories. A blockchain is a distributed database or ledger that is shared among the nodes of a computer network. As a database, a blockchain stores information electronically in digital format. A distributed ledger is a database that is consensually shared and synchronized across multiple places and is for maintaining a secure and decentralized record of transactions. It can change medical services by returning ownership over clinical information to the patient. It has a potential to keep whole health care industry in the hands of people. The main benefits of merging or incorporating blockchain in health care is to eradicate Drug Counterfeiting and increase safety of people, quality of medicine and save money. It can bring an overwhelming change in whole healthcare industry.*

**Keywords:** Blockchain

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