Block chain

block chain enables secure trusted records and transactions between people over the internet. Block chain provides trust using technology, computer code and mathematics. Block chain provides a trusted database and can function as a record of value storage. in exchange these records of value and transactions may be called ledger.

Distributed ledger

A distributed ledger can be described as a ledger of any transactions or contracts supported by a decentralized network from across different locations and people, eliminating the need for a central authority. All the information on it is securely and accurately stored using cryptography and can be accessed using keys and cryptographic signatures. Any changes or additions made to the ledger are reflected and copied to all participants in a matter of seconds or minutes. (systemsacademy, 2019)

In My context we are using Decentralised Ledger Technology (DLT) to offer increased availability, governance and efficient access to a Patient's record across the spectrum of Cancer care interventions. This DLT that use block chain use public/private key cryptography to give our client secure storage space on that ledger allowing them to own their own data. Our client's health record will reside in this ledger and health provider can access and update those record but only with the permission of end user. Our clients will be able to transact peer to peer no need of central governing body. (systemsacademy, 2019)

Benefit of using DLT:

1. Increase in Transparency.
2. reduce in corruption and misuse of data
3. increase security and reduce overhead cost of audit, accounting and legal issues.

Reference

systemsacademy. (2019). *Distributed Ledger*. [online] Available at: https://systemsacademy.io/courses/blockchain-introduction/ [Accessed 23 Mar. 2019].