



# Qode Healthchain

## What is Healthchain?

Healthchain is an entity centric solution that serves as a central health record and clinical information storage solution. It is designed to scale and be distributed across various stakeholders.

## Who is Healthchain for?

- Organisations that require technology to store and maintain immutable medical records.
- Organisations that require a decentralised data aggregating system with integration to multiple data sources.
- Organisations that require a clinical system to securely and ethically distribute patient data.
- Organisations that require a fully auditable software solutions for data validation accuracy, and integrity.

### **Healthchain Key Features:**

#### **Microsoft Azure Functionality**

Healthchain uses innovative Microsoft Azure data processing technologies and Blockchain technologies in congruence with complete Truffle Suite to distribute and maintain Ethereum based smart contracts.

#### **FHIR Server Compliance**

Data stored in cloud is in direct communication with HL7 Fast Healthcare Interoperability Resources (FHIR) enabling efficient tracking and management of datasets across multiple systems

#### **Qode Insight Integration**

System integration with Qode Insight which supports data sourcing using big data technology and machine learning algorithms to analyse, process, and extract information to create a unique patient record system.

### **Flexible Field Deployment**

Healthchain can be deployed to multiple locations with each location having its own local copy of the Blockchain data

### **Personal Information Protection**

Software segregates Personal Identifiable (PI) data information from the Blockchain and creates unique Healthchain ID for identification of entities

### **Encrypted Data Structures**

Data captured in Qode Healthchain is encrypted and immutable and can't be removed ensuring data integrity. Personal Identifiable data is stored off-chain in compliance with GDPR, POPIA and other PI protection acts

### **Role-Based Authorisation**

User access control that enables permission-based security protocols based on roles.

