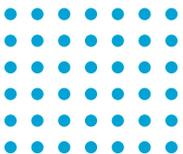


# Medox Network Token

The best Health token and Metaverse store in the world.



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# Abstract

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In the modern age, technology plays a vital role in shaping our personal lives. In the healthcare industry, the dependence on medical technology cannot be overstated. Consequently, as a result of technological innovations, healthcare practitioners have always continued to find ways to improve their practise from better diagnosis to surgical procedures to improved patient care. Areas like medical health care, pharmaceuticals, and insurance have all made significant contributions to improving the health of people all around the world. From a traditional paper-based health recording system to modern-age electronic health record systems, from innovations like adhesive bandages and ankle braces to larger, more sophisticated technologies like robotic surgeries and ergotherapy, technology has undoubtedly made an incredible impact on healthcare.

Despite all the positives and opportunities for the health care industry to grow over the next few years, there are a few negatives that are becoming hindrances to the growth of this industry. In developed countries, primary health care units have shifted to electronic health records (EHR). These systems are prone to security breaches and hacking as they offer a single point of failure. Moreover, patients do not get access to or ownership of their data. The demand for multiple access points from users and health providers has also raised concerns about data security, interoperability, and privacy. In developing countries, health institutions are still using traditional methods for recording patient data in files, which is a hectic process in itself, and often a simple loss of a paper leads to a potential delay or misdiagnosis in the treatment of a patient.

Medox Network Token offers a platform that resolves all such issues by harnessing the power provided by blockchain, big data, AI, machine learning, cryptography, and smart contract technologies. It decentralises the access and ownership of medical records back to the patient while offering a scalable, highly compatible, and interoperable platform.

This white paper gives a detailed description of our research and planning. It also aims to demonstrate the current status and future plans of the Medox Network Token project, its associated products and solutions, and the MNT Token the utility token acting as the payment gateway within the Medox Network Token ecosystem. The document further aims to inform our readers how we are using our teams expertise to provide decentralised data ownership and accessibility at lower costs and a minimal fee with higher speed, efficiency, and more top results.

# Introduction

Medox Network Token is striving towards decentralisation of finance in the medical and health sectors, while also aiming to offer products such as distributed electronic health records (EHR), decentralised data management, and data accessibility in the health care sector. With the MNT Token, Medox Network Token is the pioneer in the tokenization of clinical data and bringing decentralised finance (DEFI) to the health-care industry. By applying defi-based peer-to-peer lending, it not only enables patients who need capital to carry out their medical procedures but also enables other medical practitioners to gain capital for their ventures. Moreover, the MNT token also serves as a medium for the exchange of value while also enabling its holders to access Medox Network Token products and services. For clinical data, the Medox Network Token platform offers permissioned accessibility from all over the world, not only for medical practitioners belonging to any country or medical institute but to the respective patient as well.

Medox Network Token will work as an innovative platform with the potential to revolutionise the modern-age health care industry by allowing patients to become the owners of their health records. It will serve as a decentralised platform that enables users to have full custody of their personal medical records, allowing them to have a transparent exchange of the documents with relevant health care providers such as clinics, hospitals, medical practitioners, insurance companies, universities, pharmaceutical companies, medical research companies, and health departments. Its vision is unique, and it has the first-mover advantage of utilising blockchain technology to



**Medox Network  
Token**

# Mission & Vision



## Our Vision :

We envision a health care ecosystem in which all industry players, including patients and other medical practitioners, have easy access to the necessary finance while

## Our Mission :

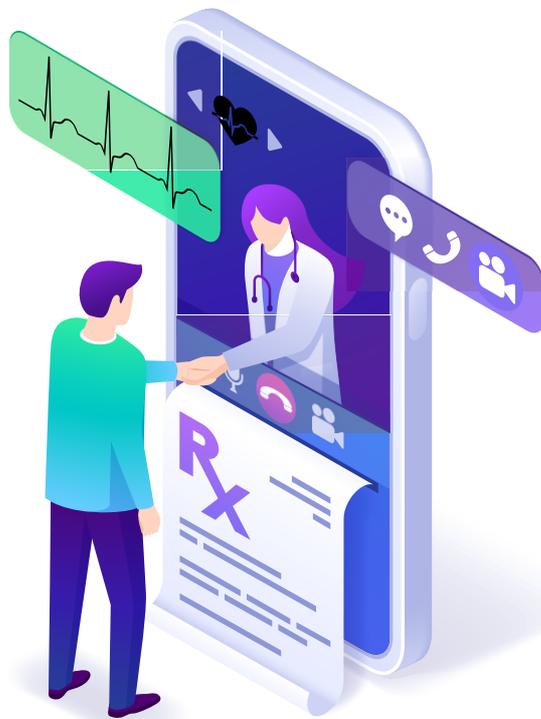
Medox Network Token aims to be the world's leading defi-based medical platform that ensures easy capital access while creating an open-source health ecosystem for enabling decentralised ownership of patient data and ensuring all industry players get permissioned access to this data in a seamless, secure, and instant manner.

# Key Products

## MNT Health Portal

MNT will create a dedicated portal with a highly intuitive user-friendly interface that will be accessed by MNT users i.e., individual patients, doctors, clinics, pharma companies, and insurance companies. Users are the true and only owners of their data, and they can even incentivize themselves by exchanging this data.

To get an idea of the MNT Health Portal, assume a single patient record portal that is accessible for all: medical specialists, patients, pharma companies, insurance companies, and even third-parties, all the time. All manual process of submitting paperwork before a doctor's appointment, a pharma company or an insurance corporation is gone.



Unlike traditional EHR, which is expensive, insecure and in-efficient, the MNT Health Portal strives to use a blockchain-based model for maintaining its data distribution and ownership access and granting robust access to a patient's medical record. MNT will utilize a consortium blockchain technology called Hyperledger, which helps to link directly to the EHR. Patients will be able to choose to grant different levels of access to physicians regardless of the physician's EHR. Moreover, a physician will add data in the blockchain, which is then mirrored in the EHR in real-time, allowing the original record to remain up-to-date.

## Medical - MNT Defi

Health is vital for anyone irrespective of their origin, race, ethnicity, nationality or financial status. While for some it is affordable, not everyone has the budget to easily afford medical care, especially in emergencies or length medical procedures. When a person lacks the money, and the medical procedure is vital for existence, almost everyone thinks about spending the capital they possess in the form of assets such as gold, bonds or property. Similarly, It is well known that the cash flow of healthcare practices, whether it be medical, dental or veterinarian, is unpredictable and can be inconsistent. Submission of payment, in majority cases by insurance companies, may take weeks or even months, which is beyond the control of the medical practitioner or respective organization, which ultimately may result in adversely affecting their efficiency.

In such circumstances, while a person may have been able to liquidate their savings for the required medical procedure or a practitioner needs it for their required obligations, the process of liquidation is often slow for emergency. Besides, a person also misses out on the opportunity of getting growth while also losing the periodic returns from the underlying asset.

Medfi MNT, MNT P2P Platform resolves such pain points in health-care by introducing a crypto-based P2P lending platform. It ensures that for emergency situations, individual patients can simply apply for loans in a peer to peer way, simply by keeping their cryptocurrency holdings as collateral and use the liquid capital in turn for the required medical procedure.



## MNT Token

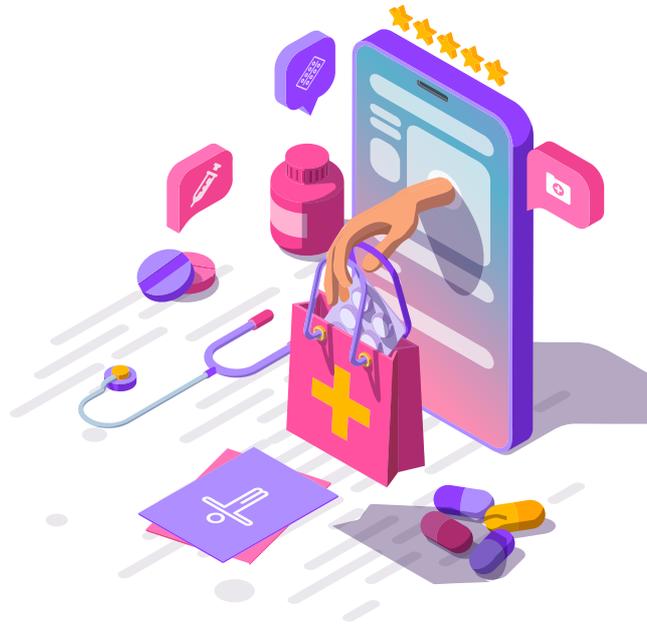
Medox Network Token offers a dedicated utility token that allows its holders to get direct utility within the Medox Network Token financial ecosystem. Thus, if you are a holder of the MNT token, you would be able to purchase all sorts of products directly from the ecosystem. Technically, this token works as an BEP-20 standard token that is deployed the Binance blockchain network. It allows peer to peer mode of payment, store and exchange of value and is specifically designed for large volumes of transactions within the Medox Network Token ecosystem, offering a quick, secure and efficient transfer of value with confirmation speed of around 15 transactions per second.



## Market Place

Accurate and flawless medical data is always required by medical researchers so that they can support their findings. To get access to the right patients and the health issue they are looking for, research companies often seek assistance of third party companies such as marketing companies.

Medox Network Token offers a dedicated marketplace that enables patients to exchange their data with other pharma companies, clinical research institutes or marketing companies, and in doing so, get rewarded with the MNT token. It allows users or patients to get rid of the middlemen while also enabling them to find companies that want to buy the data owned by them. Thus, with Medox Network Token, both the consumer as well as the pharma companies are able to monetize their data.



## Direct Interaction Between Researchers and Patients

With MNT platform, researchers get immediate access to patients which not only save them the time and efforts but also help them reach their desired data in a cost-effective manner. Similarly, patients get access to researchers which help them not only in monetization of their data but also enable them to contribute towards the betterment of the community by participating in research activities which will make future diagnosis and treatment improved.

In order to communicate, there is a dedicated requirement section where researchers looking for a particular type of data which will list down their requirements and based on the category; a respective patient will quote for the information. Once the deal has been executed, it would be recorded on the blockchain while the payments would be processed by the Smart Contracts ensuring trustless, secure payment without any risk.



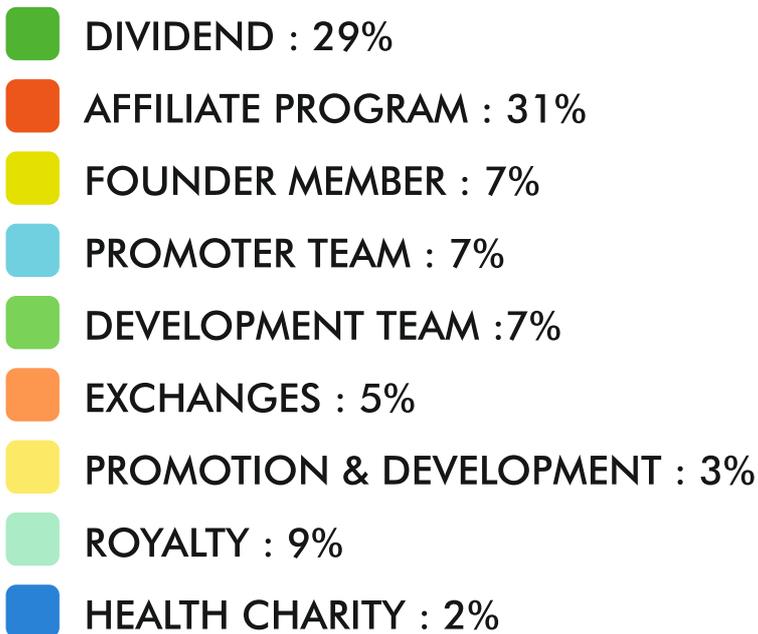
# Tokenomics



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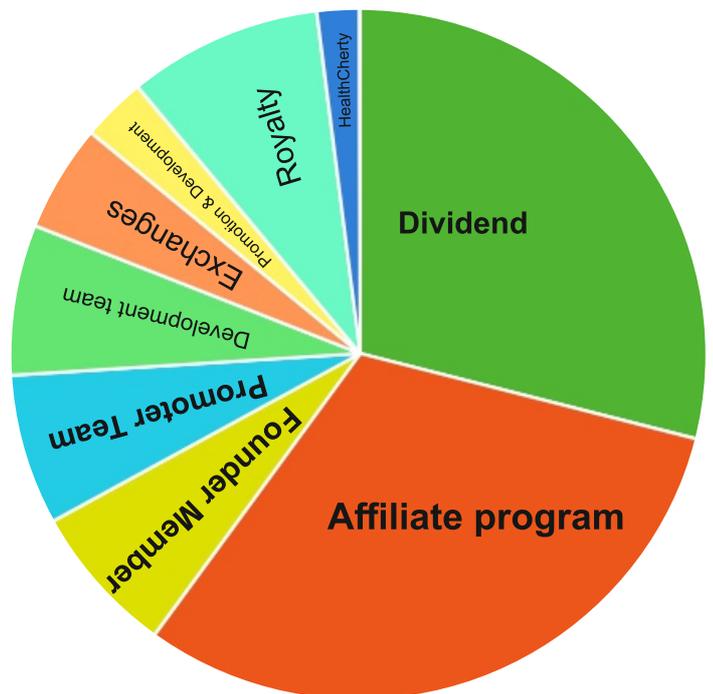
## TOKENOMICS GRAPH

### TOTAL SUPPLY & ALLOCATION TOKENOMICS

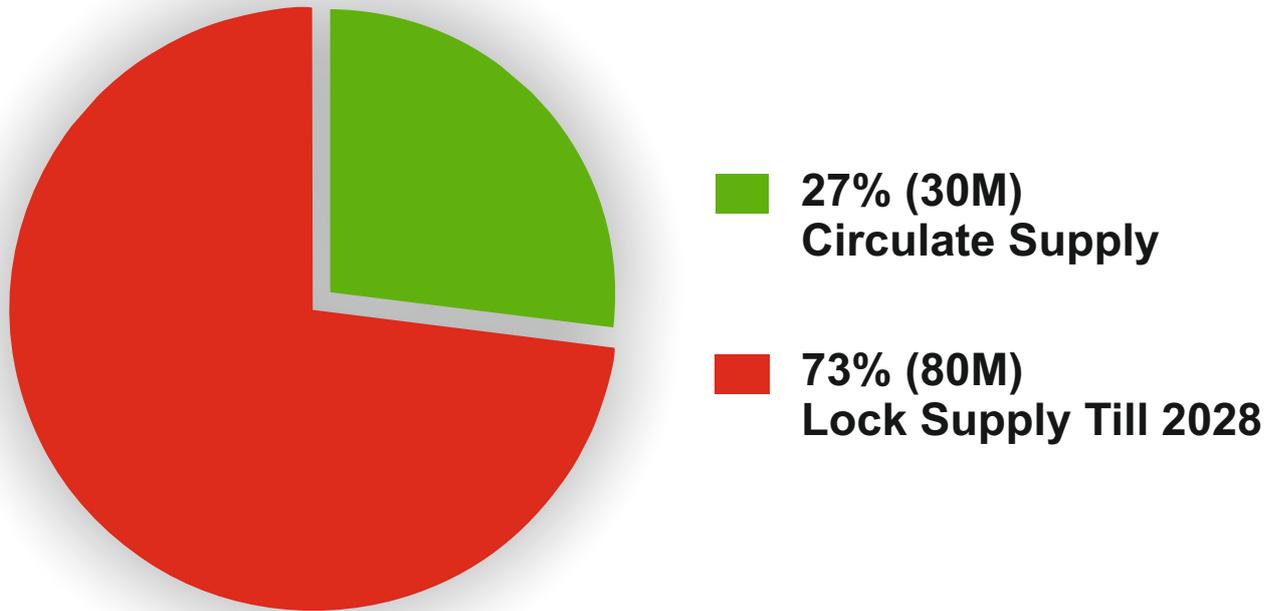


PUBLIC SALE : NIL

BULK SALE : NIL



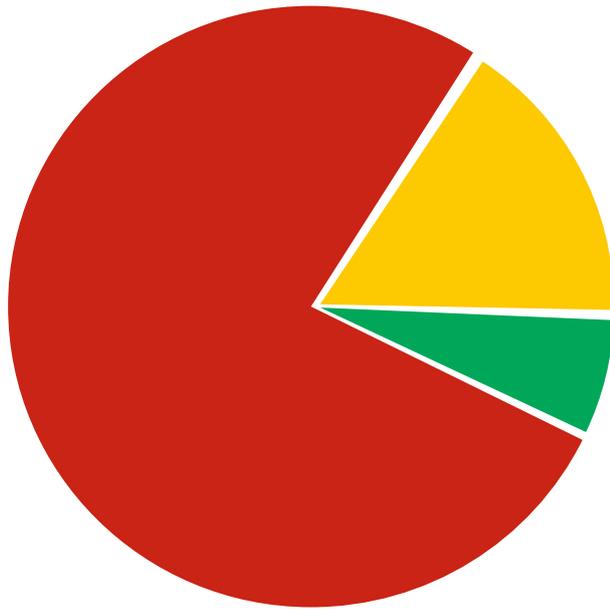
# Medox Supply Releasing Program



## ➤ 1. Lock Supply Releasing Program start from January 2028 to January 2047

Slot No.	Year	%	Supply
I	Slot Open January 2028	5%	4Million
II	Slot Open January 2029	5%	4Million
III	Slot Open January 2030	5%	4Million
IV	Slot Open January 2031	5%	4Million
V	Slot Open January 2032	5%	4Million
VI	Slot Open January 2033	5%	4Million
VII	Slot Open January 2034	5%	4Million
VIII	Slot Open January 2035	5%	4Million
IX	Slot Open January 2036	5%	4Million
X	Slot Open January 2037	5%	4Million
XI	Slot Open January 2038	5%	4Million
XII	Slot Open January 2039	5%	4Million
XIII	Slot Open January 2040	5%	4Million
XIV	Slot Open January 2041	5%	4Million
XV	Slot Open January 2042	5%	4Million
XVI	Slot Open January 2043	5%	4Million
XVII	Slot Open January 2044	5%	4Million
XVIII	Slot Open January 2045	5%	4Million
XIX	Slot Open January 2046	5%	4Million
XX	Slot Open January 2047	5%	4Million
	<b>Total 20 year</b>	<b>5%</b>	<b>Total 80 Million</b>

# Yearly Releasing Program



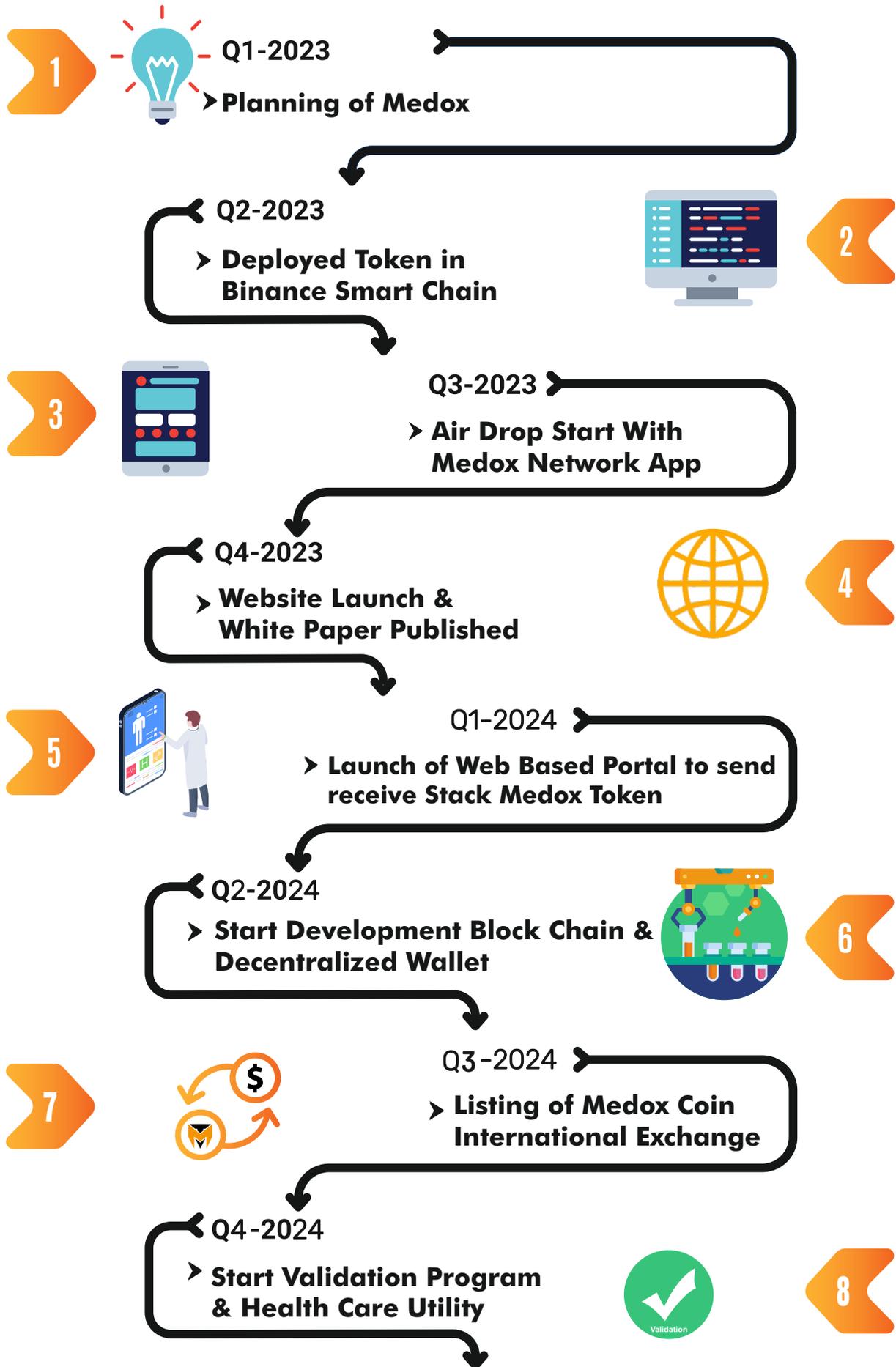
- **05 % Per Year Release**
- **0.416 % Per Month Release**
- **0.0138 % Per day Release**

## ➤ 1. Lock Supply Releasing Program Per Day

Slot No.	Months	Monthly %	Monthly Supply	Per Day %	Per Day Supply
I	January	0.416	33333.30	0.0138 %	11111
II	February	0.416	33333.30	0.0138 %	11111
III	March	0.416	33333.30	0.0138 %	11111
IV	April	0.416	33333.30	0.0138 %	11111
V	May	0.416	33333.30	0.0138 %	11111
VI	June	0.416	33333.30	0.0138 %	11111
VII	July	0.416	33333.30	0.0138 %	11111
VIII	August	0.416	33333.30	0.0138 %	11111
IX	September	0.416	33333.30	0.0138 %	11111
X	October	0.416	33333.30	0.0138 %	11111
XI	November	0.416	33333.30	0.0138 %	11111
XII	December	0.416	33333.30	0.0138 %	11111



# Roadmap



**SUCCESS**

# Problems we aim to Solve

## Health records and Interoperability issues

A major challenge within the healthcare industry is the issue of interoperability between different databases and systems. Typically, healthcare organizations are at different maturity levels when it comes to their data quality, governance mechanisms and use of standards. Various organizations use different standards for data exchange e.g. some prefer FHIR (Fast Healthcare Interoperability Resources), while others use the CDA standard. Still, others share data using the HL7 2.x standard. These varying data standards directly reduce interoperability.

- In traditional EHRs and EMRs, databases are restrictive and accessible to the respective hospital staff only. Consequently, a patient has to rely on whether the individual hospital's database is interoperable with another. If not, the entire information can become useless.
- Medical data is fragmented in different systems and interoperability i.e. the ability of that data to become a major concern.
- Records compatibility and different format make the system interoperability difficult for the health sector to gather one person information in one location to get access.
- Patients are not only deprived of access into their data from a place other than the hospital, but they also are not able to control this data.



## Ownership

Traditionally, within the health sector, patient data is recorded on an organisation's server from where it becomes the owner of the respective healthcare institution. Consequently, the patient is deprived of property of his medical record, meaning that he is not able to own, control and manage that data.

## Financial Issues

Patients can't access the capital required for the clinical procedure, as a result of which they have to sell their assets. In other words, loan acquisition is still an expensive, slow and hectic procedure that is not available for everyone. The healthcare financing industry has been flooded with high-interest credit cards that may help you pay for the treatment you need, but often end up causing more harm than good. Similarly, other healthcare industry players find it hard to manage their expenses, mainly because insurance funds clearance is often slow, as a result of which they often miss out on performing the required expansion plans they aim to.

## Security Issues

Traditionally, health care databases are based on centralized database which are prone to hacks and security issues. They offer a single point of failures, and in case a hacker manages to get access to any server, chances are he can steal confidential information of the entire database.

No mechanism for checking the authenticity of counterfeit products: Research suggests that at least 1% of all drugs on the safest markets of the world are counterfeit, while on average, this amount is about 30%. All of this leads to an annual loss of more than 200 billion dollars.

Prescription frauds: Each medical institution has its electronic prescription, which significantly complicates synchronization of medical records of all pharmacies and different facilities. Consequently, it may lead to unwanted delays and serves as a basis for fraudulent schemes.

## Health Issues

Patients can't access second-opinion because of restrictive information Patients are

empowered, hard to seek the second opinion and cannot expect to contribute to a decision made about their treatment choices. The absence of full patient records could lead to incorrect decision making, delays in treatment and unnecessary costs of treatment due to lack of available, in hand, which could lead to fatalities.

Counterfeit drugs can result in significant harmful effects on patient s health.

## **Medical and Health Care Service Issues**

**Non-transparency admission procedure:** There is a lack of transparency in the health sector for patient admission; also high potential of miscommunication and misunderstanding to occur, which usually multiple people need to check the agreements against various records. The result is inefficient, which will leave stakeholders and patient confused and sceptical.

**Outdated system for payments:** Payment processing is still outdated as it mainly involves traditional banks which involves a significant number of intermediaries, especially for foreign transactions. These financial institutions also charge a hefty fee which further adds to the overall costs.

**Deal breaching and trust deficit:** The traditional trust or notary system is outdated, and deal breaching by hospital or pharma company may leave a patient helpless as he needs to hire expensive notaries, waste his time and energies in suing them.

**Time-consuming initial diagnosis:** Every time a patient goes to a new hospital in a new region or state, he has to perform a new diagnosis, only because his medical record is not shared with the respective institution.

## **Miscommunication between healthcare professionals can be expensive and result in loss of lives**

Miscommunication between medical professionals costs the healthcare industry a staggering \$11 billion a year<sup>3</sup>. The time-consuming process of obtaining access to a patient's medical records exhausts staff resources and delays patient care. Blockchain-based medical records offer a cure for these ills.

# Our Solutions

## Health records and Interoperability

Electronic Health Records (EHRs) or Electronic Medical Records (EMR) as discussed previously are a failing model considering their design that doesn't allow to manage the complexities of multi-institutional, lifetime medical records. We at Medox Network Token, aim to resolve this by providing a system that prioritizes patient agency, giving a transparent and accessible view of medical history through a decentralized distributed access and validation system using the blockchain to replace centralized intermediaries.

- The Medox Network Token platform provides a blockchain-based distributed system ensuring all patient record is accessible for all authorized actors/players within the health care sector.
- Medox Network Token platform harnesses the power of blockchain technology while ensuring that it is compatible with the existing EHR systems and remains interoperable with other blockchain networks.
- All patient data is stored on traditional databases in an encrypted form. However, its metadata and ownership are stored within the blockchain-based Smart Contracts ensuring only the authorized person can access it through a single-window interface.

## Defi in Medical and Healthcare

Medox Network Token innovates by deploying a decentralized finance-based model in the healthcare industry. It simplifies the lending process for both patients and healthcare practitioners by offering a peer-to-peer platform whereby anyone can apply for a loan at simplified terms and lower interest which lender will have the surety that their amount is secured by smart contracts.

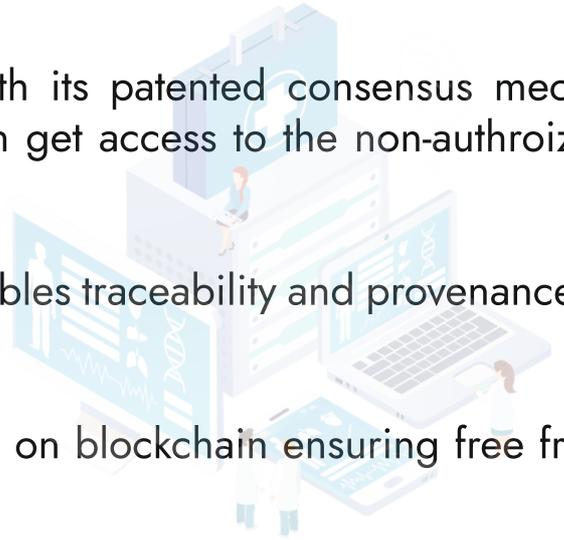
## Decentralized Ownership

Patients are the true and only owners of their data; they can authorize any third party, including but not limited to the healthcare practitioners, pharma companies, insurance organisations or even research institutions to interact or access this data or even sell it to them. In order to enable this, the Medox Network Token platform

offers a dedicated data exchange marketplace where patients can monetize their data by selling it to research institutions or other interested parties.

## Security Provided

- Decentralized blockchain-based database with its patented consensus mechanism, ensuring no single entity or hacker can get access to the non-authorized patient information.
- Deployment of the platform on blockchain enables traceability and provenance of all pharma products.
- All data, e.g. drugs prescription is immutable on blockchain ensuring free from fraud medication.



## Health Issues

Access to data and medical record enabled not only for health care systems but also for the patient.

The Medox Network Token platform offers a dedicated explorer tool for data verification and product authentication. This tool enables patients, healthcare units or any relevant party to check for medical record or even check for authenticity of a medical product by pasting a unique public key of a respective patient record or medicinal product.



## Medical and Health Care Service Issues

**Transparent and secure information:** The Medox Network Token Platform uses transactions as well as multilateral relations which were made more transparent, secure along with more reliable through smart contracts. This can be understood by the example that the transaction of the patient is automatically transferred to the doctor with the help of the smart contract that is concluded by the patient with the doctor before the consultation is received.

**Unified data access:** Medox Network Token provide one unified platform where a collection of all medical records history will assist medical provider to easily get access to records for their procedure and further treatment. This will ease the access of data and ensure that documents are always available as and when required.

**P2P, secured instant payments:** Medox Network Token utilizes its native utility token called MNT token for enabling peer to peer payments that are seamless, secure, decentralized and low-cost.

**Trustless Deals:** All contracts between the transacting parties are secured by self-enforceable programmable Smart Contracts. This way the role of expensive third-party mediators such as notaries is negated.

**Online AI-based Consultation:** The Medox Network Token platform also offers its users to have Initial online diagnostic enabled by AI-based bots. The AI-powered bot works just like a chat messenger whereby it asks a user to describe his symptoms, the medications he has taken and other relative information that can help in diagnosis.

Based on the data provided, the AI-powered bot uses big data to make the righting diagnosis and help out the patient in getting the right consultation directly from his home. It is imperative to note that for critical conditions or conditions where clinical trials are required, the patient is advised to undergo the respective tests.

# Our Upcoming Projects

## Metaverse

The current virtual world technology is still in its infancy, with most virtual environments lacking the level of interactivity and immersive experience that users expect. Additionally, current virtual worlds are disconnected from the real world, with little integration between the two.

The Medox Network Token project aims to solve the problems of the current virtual world by creating a virtual world that is connected to the real world and provides an immersive and interactive experience. The Metaverse will be built on a decentralized platform, which will ensure security and privacy for users, and will use cutting-edge technologies such as blockchain, virtual reality and artificial intelligence to deliver a truly immersive experience.



## NFT

The current NFT market is fragmented and lacks standardization. There are various platforms that offer NFT sales and trading, but the buying and selling process can be confusing, time-consuming, and even overwhelming for some individuals.

NFT World aims to bring all the benefits of NFTs to the masses. Our platform will provide a simple and user-friendly interface for buying and selling NFTs. With standardization, artists, musicians, and other creatives can be assured that their works will be valued and recognized by the market. This will also make it easier for buyers to know the value of their investments, as well as the ease of buying and selling NFTs.



## Cyber Security

In this new era of digitization of the world, Hackers can be anywhere. We need our data protection in every aspect and form to protect the user accounts that holds sensitive information about transactions and data about monetary concerns.

The team of Medox Network Token is coming up with its own Cyber security services. We understand the depth of critical cyber concerns and make it our forte and protect the data and information at all cost.

The Medox Network Token cyber security system will help the user to keep the sensitive data which might be super important for the user safe from all kinds of hacking and digital threats in the cyber space realm.



## Payment App with Global UPI

Digital payments have been becoming a common phenomenon in the 21st century and have been a boon for monetary systems. Looking at the growth of digital payments in the global economy our team of Medox Network Token will engage a Crypto-based global UPI app.

With Medox Network Token global UPI system, the user will be able to do international transactions with cryptocurrency . All these transactions could be done in accordance with the value of the cryptocurrency at that current point in time. The user will be able to do transactions in the local currencies of the countries as well and as per the need of the hour.



## Blockchain

Medox Network Token team will soon develop its own blockchain which will keep all your data safe & secure from any & all kinds of cyber-attacks. Our primary aim is to develop a blockchain that any kind of digital threats cannot impact.

Medox Network Token blockchain would be easy to access and super-fast to respond to all devices, providing with minimum reliable fees as the charges for the transactional services. Also, Incorporating safest secure blockchain to protect global cyber-security standards.



# Our Social Media Link



facebook.com



twiter.com



quoroa.com



github.com



medium.com



Youtube.com



instagram.com



linkdin.com



pinterest.com



telegram.com



blogger.com

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# Disclaimer

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you