

# MEDIS: a new personal medical data storage and access system

*Control Your History to Control Your Future*



## WHAT IS MEDIS?

MEDIS is a new medical data storage solution that will give patients control over their medical records and health related data. The system adheres to all HIPAA and security requirements, contains strong encryption algorithms to ensure confidentiality, utilizes distributed storage technology for redundancy and availability, and distributed computing for access control and auditing for all medical records, diagnostic imaging and related information.

## CURRENT SITUATION

Healthcare institutions own and maintain distinct EMR systems that are not communicating with each other, or not at a desirable level. Patients visit multiple institutions, thus their records are spread across multiple disconnected systems, stored by each institution and practically inaccessible to the patient.

## SOLUTION

We propose a different approach to the storage, access and monetization of medical data, where EMR entries are kept in a distributed storage layer in an encrypted form. The system does not replace existing EMR solutions, but it offers tremendous value to the patient by providing centralized storage of their medical records and control over who gets permission and how to access these records in this system. Access to records is controlled with Smart Contracts executed in consensus by computations of an Ethereum network. An Ethereum-based Token is also introduced as an internal currency and value store. The system will be built in compliance with all HIPAA and data protection rules and regulations.

## BENEFITS TO PARTICIPANTS

**Monetizing records:** patients can opt-in to sell their anonymous data and set a price in tokens. Patients control when and if their data is used. Parties interested in research data (researchers, insurers, academia) can request data sets from MEDIS containing opt-in records only.

**Targeted advertising** opportunities to patients who had a specific illness, or targeting geographic areas, age groups, genders or any combination of these.

**No sales calls** from 3<sup>rd</sup> party advertisers. All opt-in data is scrubbed and contains no personal information.

**Rewarding content creation:** patients can submit reviews and comments about the quality of treatment and they are rewarded in tokens for adding valuable information accessible for other patients.

## BENEFITS TO YOUR ORGANIZATION / COMPANY

Participating organizations control the data that is fed into MEDIS with a secure and easy-to-use interface.

Implementing or piloting the MEDIS system at your facility creates new opportunities for you. Early adopters will help shape and form MEDIS as it grows. Being an investor or partner will put your organization ahead of the competition leveraging state-of-the-art technology. You will gain deep insight into the interconnections between participants, obtain new data mining opportunities and a new understanding of your patients' needs.

*For more information, please visit <https://mymedis.in> and download our white paper. Thank you.*