



Problem

Healthcare professionals struggle to compile full health histories for their patients. Health data are scattered in many places, there is no single source of truth and data acquisition can take weeks. There are many different EHR solutions which leads to interoperability problems. Existing healthcare IT are insecure and target to cyber attacks like the recent ransomware. Individuals have no control over their data. Health data are isolated in data silos and not used for research purposes.

Solution

eHOSP offers to doctors, hospitals, insurance companies and individuals an integrated platform to manage Electronic Health Records. We design our solutions with innovative technologies like Blockchain, Cloud technologies and NFC cards and we focus on security, privacy, flexibility and above all interoperability, which is the biggest problem today in Healthcare IT. With our solution any individual can view their electronic health records for free and from any device. We also provide them with an electronic health card (NFC card, NFC enabled smartphone or wearable) which they can use to give access to doctors to view and edit their health data. **Individuals** are in the centre of our Business Logic, they decide on who has access to view and edit their data. **Doctors** can easily save data (diagnosis notes, lab results etc.) through our online platform. These health data are encrypted and stored in a secured decentralized storage and from each file we calculate and store in the Blockchain a unique digital fingerprint, to prove that data are intact. With the help of our platform **hospitals** can reduce their administration costs and provide quality patient-centric healthcare services and exchange information more efficiently and securely with other hospitals or other healthcare institutions. We also solve the main problem in Healthcare IT which is interoperability. Health Records can be exported in different formats following industry standards and can be used by most Hospital IT systems. Communication and integration with existing systems is easier with our APIs and webhooks. Moreover, our solution provides **Health Insurers** a better, secure and valid workflow for claims collection, underwriting and faster insurance processes. All claims documents and operations are valid and can be trusted, thanks to Blockchain technology and our smart contracts. Moreover **researchers and pharmaceutical companies** can buy data to conduct quality, health related research and expand current knowledge on diseases, epidemics, drugs and the health sciences.