

Digital Health

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Health data integrity and interoperability

Health data appear as a fundamental factor that needs to be presented in a certain form and content from both technical and legal, as well as socio-ethical aspects. Due to the simplicity of the structure, personal health data itself should contain a very small amount of data. However, as these data relate to the data that link a particular person to whether he has already been treated, when and what type of treatment, the personal health card must have [personal data proving the identity](#) of the person in different destinations, i.e. areas where the individual can move and show that the person is medically treated.

The challenges of digital health records relate to the elements of general interoperability and data integrity of the following components

- [Complexity of resources in IT domains](#)
- Possibility of interference
- Conflict standards - post facto
- Heterogeneous global landscape of IT
- There are no unified coding systems at the international level
- Lack of balance between cost allocation
- Low transparency - reduced accountability
- Centralized networks - reduced efficiency
- General system limitation caused by the level of fragmentation
- Lack of a sufficient level of trust in the data transaction layer

At these points, Blockchain emerges as a promising response to most obstacles, particularly the data integrity dilemma. Because it is based on trust and immutability, Blockchain enables better data-level cooperation between healthcare providers and service providers by adopting the principle of secure storage of electronic medical records by providing tons of data to health information systems.

Biography

As a [Chief Scientist](#) and Blockchain expert, Dean Rakic accompanies customers in their digital transformation processes. He looks back in more than 25 years of experience in digital data processing. Overall previous experience is on top of Strategy and Innovation development during all development phases, project monitoring and project controlling with the identification, analysis, measurement, and control of project risks as well as the regular analysis of the impacts. Particularly, as a lecturer, promotion of science and the implementation of innovative achievements, mentoring and counselling in different vertices, ranging from standard industrial to non-governmental and sustainable projects.

rakicdean@gmail.com

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