عنوان مقاله:

The Moroccan Health Data Bank : A Proposal for a National Electronic Health System Based on Big Data

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خلاصه مقاله:

This work serves to propose a national electronic health system based on the Big Data approach. First of all, we assessed the practice of health information systems (HIS) in Morocco and their obstacles. We performed a survey that was founded on ۲۴ questions to specify the necessary details on this topic. This study shows that there is a primary need for the establishment of an HIS that facilitates the control, analysis, and management of health data in Morocco. For this reason, we have proposed the implementation of the Moroccan Health Data Bank (MHDB). This system will be based on powerful big data technologies that save, manage, and process health data with greater efficiency. The information present in this proposed system can provide the necessary resources for several actors to exploit this wealth, which is embodied in this massive data. We have developed a general description of the MHDB, its components, its conceptual architecture, and an example of a use case.

کلمات کلیدی:

National Electronic Health System, Big data, Health Information System, survey, Moroccan Health Data Bank, MHDB

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