

Building electronic medical records according to HL7 standard using open source OpenEMR

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Abstract: In the context of the growing interest in digital healthcare, this topic focuses on building an electronic medical record management system based on the HL7 standard with the application of the open-source OpenEMR. The objective of the research is to improve efficiency in storing and sharing medical information among healthcare facilities. The research methodology includes both theoretical aspects of the HL7 standard and practical implementation of the system in a real-world environment. Through this, the topic is expected to bring significant application value in enhancing the quality of healthcare services while contributing to the development of open-source-based medical technology.

Keywords: electronic medical records, HL7 standard, OpenEMR, health information management, open source