

# Digital Health Records and Blockchain in Telemedicine: Legal Implications and Future Regulation

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**Abstract:** *This study examines the intersection of digital health records, blockchain technology, and telemedicine, highlighting their legal undertones and potential regulatory regimes. With the healthcare sector increasingly adopting telemedicine, the use of digital health records (DHR) is growing rapidly. But the dependency comes with fears of privacy, security, and legal compliance. Blockchain technology, promising secure, tamper-proof, and transparent data management, has been hailed as a potential remedy to address the above concerns. The study discusses the status quo of digital health records in telemedicine, blockchain's contribution toward securing the same, and legal challenges and regulatory barriers of its adoption. This paper further explores the ethical dimensions of blockchain and digital health records in telemedicine and makes recommendations for future regulations to ensure both security and patient privacy.*

**Keywords:** Digital Health Records, Blockchain, Telemedicine, Legal Implications, Data Security, Privacy Regulations, Healthcare Law, Medical Data, Blockchain Regulation

