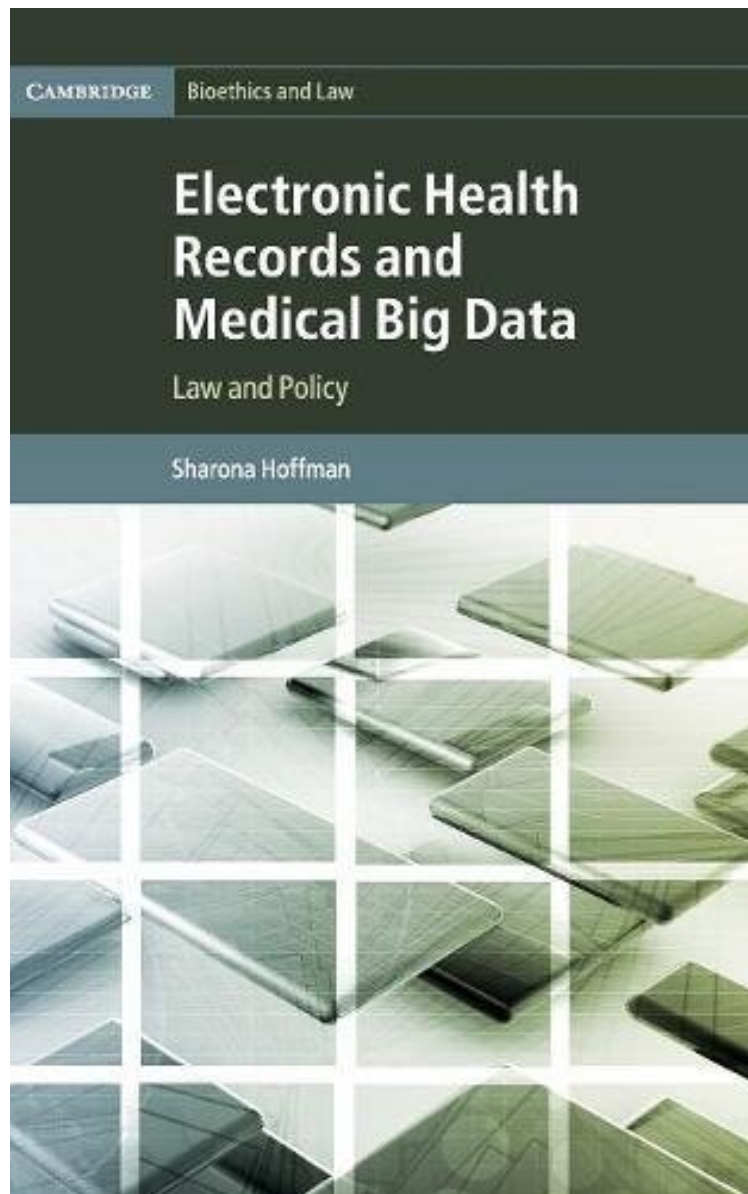


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## Electronic Health Records and Medical Big Data: Law and Policy (Cambridge Bioethics and Law)

*Sharona Hoffman*

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## Health Records and Medical Big Data: Law and Policy (Cambridge Bioethics and Law):

This book helps readers gain an in-depth understanding of electronic health record (EHR) systems, medical big data, and the regulations that govern them. It analyzes both the shortcomings and benefits of EHR systems, exploring the law's response to the creation of these systems, highlighting gaps in the current legal framework, and developing detailed recommendations for regulatory, policy, and technological improvements. *Electronic Health Records and Medical Big Data* addresses not only privacy and security concerns but also other important challenges, such as those related to data quality and data analysis. In addition, the author formulates a large body of recommendations to improve the technology's safety, security, and efficacy for both clinical and secondary (such as research) uses of medical data.

'*Electronic Health Records and Medical Big Data: Law and Policy* is simultaneously authoritative and accessible. It offers sweeping coverage of the law and policy governing critical tools in the digital transformation of health care. The sections on big data-driven research are also must-reads for anyone concerned about the future development of best practices. Hoffman's work will be vital reading in law, medical, and policy departments around the world.' Frank Pasquale, University of Maryland Francis King Carey School of Law, author of *The Black Box Society: The Secret Algorithms that Control Money and Information* 'Hoffman exhibits a profound understanding of healthcare, law, regulations, liability, practice reality, scholarship, and information technology. This is a book that needed to be written - and Hoffman's done it with impressive and comprehensive knowledge, insight, and balance. This book is so essential that any healthcare administrator who fails to read is ipso facto guilty of malpractice.' Ross Koppel, University of Pennsylvania 'In this compelling work, Sharona Hoffman offers a thoroughly researched and thoughtfully argued review of patient safety, privacy, and health information security. *Electronic Health Records and Medical Big Data: Law and Policy* should be required reading for entrepreneurs, health information technology developers, investors, health lawyers, and public officials.' Jacob M Reider, MD, FAAFP, Alliance For Better Health Care About the Author Sharona Hoffman is Professor of Law and Bioethics at Case Western Reserve University. She has written over twenty articles and book chapters on EHR systems and medical big data. In 2014, she was a Distinguished Scholar in Residence at the Centers for Disease Control and Prevention's Center for Surveillance, Epidemiology and Laboratory Services. Sharona Hoffman is the author of *Aging with a Plan: How a Little Thought Today Can Vastly Improve Your Tomorrow* (2015).