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Nota di contenuto	Foreword -- Blockchain and Healthcare -- Digital Transformation of Healthcare -- Healthcare Patient and Clinical Research -- Information security governance, technology, processes and people: Compliance and organisational readiness; B. Papp-Silva et al -- Cyber-Physical Attacks and the Value of Healthcare Data: Facing an Era of Cyber Extortion and Organised Crime -- The Transparency of Big Data, Data Harvesting and Digital Twins -- Blockchain for Modern Digital Forensics: The Chain-of-Custody as a Distributed Ledger -- The Standardised Digital Forensic Investigation Process Model (SDFIPM) -- Hybrid Cyber security framework for the internet of medical things -- BMAR - Blockchain for Medication Administration Records -- Recent Cyber Attacks and Vulnerabilities in Medical Devices and Healthcare Institutions.
Sommario/riassunto	This book aims to highlight the gaps and the transparency issues in the

clinical research and trials processes and how there is a lack of information flowing back to researchers and patients involved in those trials. Lack of data transparency is an underlying theme within the clinical research world and causes issues of corruption, fraud, errors and a problem of reproducibility. Blockchain can prove to be a method to ensure a much more joined up and integrated approach to data sharing and improving patient outcomes. Surveys undertaken by credible organisations in the healthcare industry are analysed in this book that show strong support for using blockchain technology regarding strengthening data security, interoperability and a range of beneficial use cases where mostly all respondents of the surveys believe blockchain will be important for the future of the healthcare industry. Another aspect considered in the book is the coming surge of healthcare wearables using Internet of Things (IoT) and the prediction that the current capacity of centralised networks will not cope with the demands of data storage. The benefits are great for clinical research, but will add more pressure to the transparency of clinical trials and how this is managed unless a secure mechanism like, blockchain is used. .

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