1. Record Nr.	UNINA9910827402603321
Titolo	Big data in medical science and healthcare management : diagnosis, therapy, side effects / / published by Dr. med. Peter Langkafel, MBA
Pubbl/distr/stampa	Berlin, Germany ; ; Boston, [Massachusetts] : , : De Gruyter Oldenbourg, , 2016 ©2016
ISBN	3-11-044574-3
Descrizione fisica	1 online resource (258 p.)
Classificazione	ST 265
Disciplina	610.72/4
Soggetti	Medicine - Research Data mining
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di contenuto	Front matter -- Autopilot and "Doctor Algorithm"? / Langkafel, Peter -- Contents -- 1. Intro Big Data for Healthcare? / Langkafel, Peter -- 2. Information Management for Systems Medicine - on the Next Digital Threshold / Josef, Schepers / Peuker, Martin -- 3. Some Philosophical Thoughts on Big Data / Müller, Albrecht von -- 4. Big Data from a Health Insurance Company's Point of View / Brunner, Thomas -- 5. Big Data and the Family Doctor / Kamps, Harald -- 6. How Value is Created from Data: Experiences from the Integrated Health Care System, "Gesundes Kinzigtal" (Healthy Kinzigtal) / Pimperl, Alexander / Dittmann, Birger / Fischer, Alexander / Schulte, Timo / Wendel, Pascal / Wetzel, Martin / Hildebrandt, Helmut -- 7. Ethics / Röhrig, Rainer / Weigand, Markus A. -- 8. The New Data-Supported Quality Assurance of the Federal Joint Committee: Opportunities and Challenges / Pötter-Kirchner, Karola / Höchstetter, Renate / Grüning, Thilo -- 9. Big Data in Healthcare: Fields of Application and Benefits of SAP Technologies / Eberhardt, Werner -- 10. Big Data - More Risks than Benefits for Healthcare? / Wehmeier, Axel / Baumann, Timo -- 11. Big Data - An Efficiency Boost in the Healthcare Sector / Zimmermann-Rittereiser, Marcus / Schaper, Hartmut -- 12. Medical Big Data and Data Protection / Weichert, Thilo -- 13. Big Data in Healthcare from a Business Consulting (Accenture) Point of View / Krolop, Sebastian / Souchon,

Henri -- 14. Influence of Big Pharma on Medicine, Logistics and Data Technology in a State of Transition / Laslo, Peer -- 15. Semantics and Big Data Semantic Methods for Data Processing and Searching Large Amounts of Data / Engelhorn, Michael -- 16. Quantified Self, Wearable Technologies and Personal Data / Schumacher, Florian -- 17. "For the Benefit of the Patient" ... What Does the Patient Say to That? / Mühlbacher, Axel / Kaczynski, Anika -- 18. Visualization - What Does Big Data Actually Look Like? / Langkafel, Peter -- 19. The Digital Patient? / Langkafel, Peter -- Publisher and Index of Authors -- Glossary -- Testimonials

| Sommario/riassunto | Big Data in medical science - what exactly is that? What are the potentials for healthcare management? Where is Big Data at the moment? Which risk factors need to be kept in mind? What is hype and what is real potential? This book provides an impression of the new possibilities of networked data analysis and "Big Data" - for and within medical science and healthcare management. Big Data is about the collection, storage, search, distribution, statistical analysis and visualization of large amounts of data. This is especially relevant in healthcare management, as the amount of digital information is growing exponentially. An amount of data corresponding to 12 million novels emerges during the time of a single hospital stay. These are dimensions that cannot be dealt with without IT technologies. What can we do with the data that are available today? What will be possible in the next few years? Do we want everything that is possible? Who protects the data from wrong usage? More importantly, who protects the data from NOT being used? Big Data is the "resource of the 21st century" and might change the world of medical science more than we understand, realize and want at the moment. The core competence of Big Data will be the complete and correct collection, evaluation and interpretation of data. This also makes it possible to estimate the frame conditions and possibilities of the automation of daily (medical) routine. Can Big Data in medical science help to better understand fundamental problems of health and illness, and draw consequences accordingly? Big Data also means the overcoming of sector borders in healthcare management. The specialty of Big Data analysis will be the new quality of the outcomes of the combination of data that were not related before. That is why the editor of the book gives a voice to 30 experts, working in a variety of fields, such as in hospitals, in health insurance or as medical practitioners. The authors show potentials, risks, concrete practical examples, future scenarios, and come up with possible answers for the field of information technology and data privacy. |