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# Innovation With Information Technologies In Healthcare (Health Informatics)



## Synopsis

This book provides an extensive review of what innovation means in healthcare, with real-life examples and guidance on how to successfully innovate with IT in healthcare.

## Book Information

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## Customer Reviews

Huge amounts of money are spent on electronic health record (EHR) and other healthcare information technology (HIT) systems each year, and the challenge is to ensure these systems are effective on every level. Simply recreating paper-based processes on these systems does not significantly improve quality, efficiency or the financial aspects of setting up these services. While there are excellent resources available on healthcare IT and others that detail innovation strategies in healthcare, there is little material providing real life examples and explanations of how to combine these two powerful tools. *Innovation with Information Technologies in Healthcare* thus serves to fill this gap by using real life cases to detail how information technology systems have been used in an innovative fashion to solve the types of problems faced every day in healthcare. The Editors and their carefully selected group of contributors, ranging from multi-hospital organizations to small clinics, have assembled a book that describes successful cases covering EHR, Telemedicine and other health IT experiences, in which brilliant and innovative uses of healthcare IT have improved quality, efficiency and value. Each case chapter includes a story about the impact of these HIT innovations on

patients, an explanation on the origin of the innovation, details on how the innovation evolved from idea to reality, the real world results of the innovation and lessons learned along the way. Additionally, each of these chapters conclude with thoughts on future HIT innovations from each contributor.

Lyle Berkowitz, MD, FACP, FHIMSS, is the Founder and Director of the Szollosi Healthcare Innovation Program, Associate Chief Medical Officer of Innovation for Northwestern Memorial Hospital, Medical Director of IT and Innovation for Northwestern Memorial Physicians Group and a practicing primary care physician. He serves on the Governance Board of the Innovation Learning Network (ILN), the Editorial Board of Healthcare Informatics magazine, and the Advisory Boards for the Association of Medical Directors of Information Systems (AMDIS) and the Institute for Health Technology Transformation (IHT2). He has been listed as one of HealthLeader's "Twenty People Who Make Healthcare Better", Healthspottr's Top 100 Healthcare Innovators, and Modern Healthcare's "Top 25 Clinical Informaticists". Dr. Berkowitz graduated with a Biomedical Engineering degree from the University of Pennsylvania and is an Associate Professor of Clinical Medicine at the Feinberg School of Medicine at Northwestern University. Chris McCarthy, MPH, MBA is the director of the Innovation Learning Network (ILN), which brings together the most innovative health care organizations in the country to share the joys and pains of innovation. Chris is also an innovation specialist with KP's Innovation Consultancy. Chris has been with Kaiser Permanente since 1997, in various roles from implementing population care tools and electronic health records to redesigning the perinatal and shift change experiences. Chris has a master's in business administration from Rensselaer Polytechnic Institute (Troy, NY)/Copenhagen Business School (Denmark) and a master's in public health with a concentration in Health Policy from the University of Massachusetts at Amherst.

delivered in timely fashion. Brand new. thanks

Good book

Though nearly 3 years old, information remains relevant. Well written and easy to read.

Innovation in every industry is currently being driven by software and information technology.

Healthcare is one of the last industries to awaken to this trend. I've been in IT for 30 years, 15 years in the defense, national intelligence, and manufacturing sectors; and 15 years in healthcare, frustrated by healthcare's stodgy culture. This book is the best I've ever read for describing the successes of the pioneers in this awakening... and I'm the most cynical critic of IT innovation that you will find in industry. The readership should not be restricted to the informatics and IT crowd in healthcare. CEOs and CFOs and the rest of the C-levels in healthcare need to read this book and start borrowing the ideas that it summarizes. And, it's worth noting, you don't have to be an Intermountain Healthcare or UPMC or Northwestern to implement the ideas and examples in Lyle's book. The case studies and ideas for innovation in this book are achievable by every hospital and clinic in the US.

This book, in its first iteration, is packed with real life examples of successful IT implementation that will impact patients, physicians and health care systems. There are some recurring themes, which make intuitive sense, but having them reiterated by those who have been in the forefront of innovation in use of IT is helpful. Some of those themes include concepts such as making proposed change pilot projects before wide spread implementation is rolled out; involving multiple stakeholders in design of IT utilization; making IT innovations work for all providers, to simplify work rather than adding steps. The book is laid out so that after reading the first couple of chapters, the remainder of the stories really DO stand alone.

I purchased this book in December at the IHI National Forum ([ihi.org](http://ihi.org)). Mr. McCarthy spoke at one of the sessions and I purchased the text after. The book is good for students or working professionals who would like greater understanding on the power that thoughtful and innovative Informatics projects on patient outcomes. The book highlights real Informatics projects from a variety of organizations (including Northwestern Memorial, Kaiser Permanente, and Children's National) within a framework of the health journey of one hypothetical family. Each case study is presented in a format of Background, Innovation, Reason for Innovation, Why Innovation Succeeded, Results, Lessons Learned, and Future Plans. You could easily assign individual chapters for discussion groups and teaching or refer to case studies to augment your own IT plans or improvements. There is also a fun chapter about gaming and game theory in the book too.

I am using this textbook in my Doctor of Nursing Practice (DNP) Advanced Informatics Course to expose students to organizations that have applied innovation to Health IT projects and initiatives. It

is a great tool to demonstrate the application of HIT innovation, particularly because the authors give a thorough description of the methodological approach used in the design, development, implementation and sustainability processes across each case study. I look forward to the 2nd Edition. Thanks! M.Y. Williams, PhDc, RN.

This book is a must read for undergraduate and graduate courses in healthcare management. The authors combine theoretical notions with their vast experience in hospitals. readers will learn about innovations in medical technologies and the role that information technology plays in the delivery of quality care. The authors did a superb job of mastering concepts with reality--what works and what does not work in real-life health care. This is an outstanding addition to the state of the art in healthcare management.

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