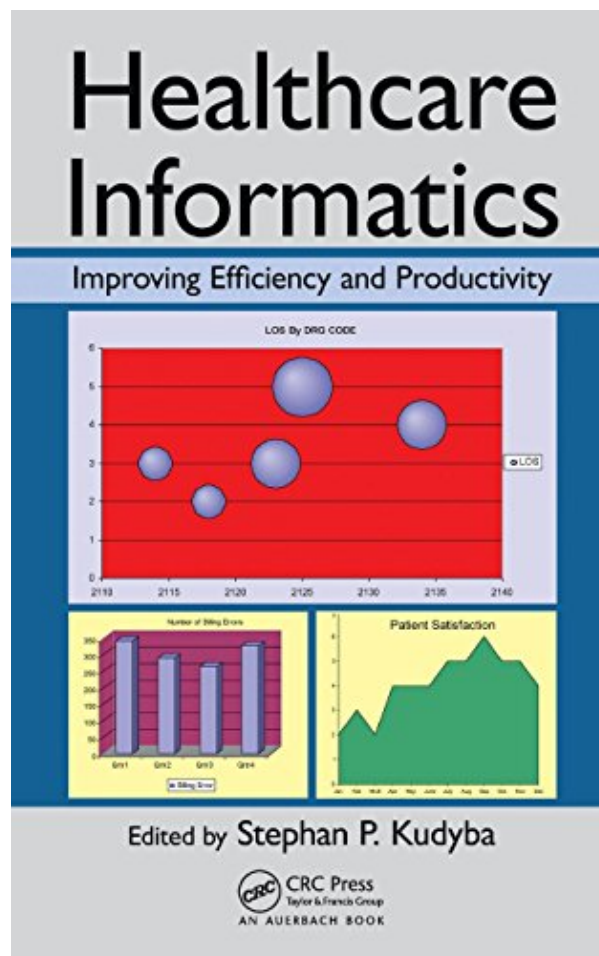


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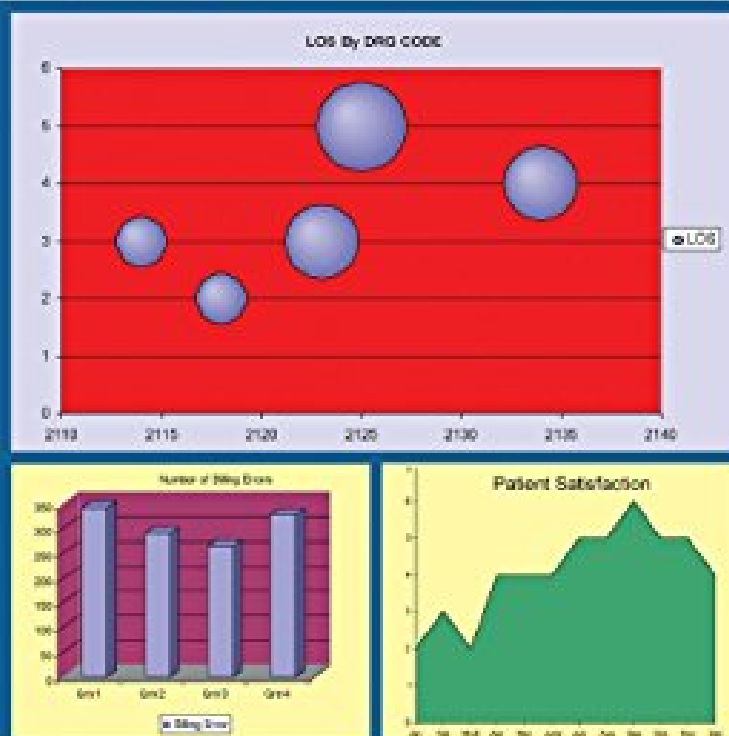


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Healthcare Informatics: Improving Efficiency and Productivity examines the complexities involved in managing resources in our healthcare system and explains how management theory and informatics applications can increase efficiencies in various functional areas of healthcare services. Delving into data and project management and advanced analytics, this book details and provides supporting evidence for the strategic concepts that are critical to achieving successful healthcare information technology (HIT), information management, and electronic health record (EHR) applications. This includes the vital importance of involving nursing staff in rollouts, engaging physicians early in any process, and developing a more receptive organizational culture to digital information and systems adoption.

We owe it to ourselves and future generations to do all we can to make our healthcare systems work smarter, be more effective, and reach more people. The power to know is at our fingertips; we need only embrace it.

?From the foreword by James H. Goodnight, PhD, CEO, SAS

Bridging the gap from theory to practice, it discusses actual informatics applications that have been incorporated by various healthcare organizations and the corresponding management strategies that led to their successful employment. Offering a wealth of detail, it details several working projects, including:

- A computer physician order entry (CPOE) system project at a North Carolina hospital
- E-commerce self-service patient check-in at a New Jersey hospital
- The informatics project that turned a healthcare system's paper-based resources into digital assets
- Projects at one hospital that helped reduce excesses in length of stay, improved patient safety; and improved efficiency with an ADE alert system
- A healthcare system's use of algorithms to identify patients at risk for hepatitis

Offering the guidance that healthcare specialists need to make use of various informatics platforms, this book provides the motivation and the proven methods that can be adapted and applied to any number of staff, patient, or regulatory concerns.

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- Binding: Hardcover
- 280 pages

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Stephan Kudyba, New Jersey Institute of Technology

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0 of 0 people found the following review helpful.

Maybe wouldn't have been so painful if I didn't actually have to buy the book

By lissa

Difficult to read. Doesn't help that my class barely followed or referenced the book. Maybe wouldn't have been so painful if I didn't actually have to buy the book. I have been able to rent every text book until this one.

12 of 13 people found the following review helpful.

With a real need for "healthcare informatics", this is an excellent book and a must read...

By Bernard A. Jones

With a real need for "healthcare informatics", this is an excellent book and a must read...

"As a 20+ year healthcare IT professional working specifically on electronic health record (EHR) applications as well as the ongoing analysis of this data, I have come to realize the immense problems the healthcare industry is facing today because of the ongoing proliferation of data. With the seemingly endless stream of patient, doctor, healthcare provider, insurance company, and drug manufacture data, the industry has created a real void as well as an opportunity to tap into the huge data store in an attempt to bring real positive change regarding needed efficiencies to the industry. I have found that being able to frame this real life problem has been a challenge until reading Dr. Stephen Kudyba's excellent text "Healthcare Informatics: Improving Efficiency and Productivity".

I was amazed at how quickly and precisely Dr. Kudyba's text not only framed the problem but discussed possible solutions to tackling the problem as well as provided real life examples of applications and processes in use today which are addressing the problem head-on. He does a great job of going beyond theory to actual practice by identifying informatics applications that have been incorporated by healthcare organizations. Two examples in particular from the book which resonated with me was the example of an informatics project that turned a healthcare system's paper-based resources into digital assets as well as the example of the E-commerce self-service patient check-in application which was implemented at a New Jersey hospital. Honestly its one thing to discuss problems and propose possible solutions, but Dr Kudyba's book goes beyond that by identifying "real" solutions in use today.

Lastly, I found that this text serves as a groundbreaking, foundational textbook for a potential graduate course in healthcare data informatics. We cannot ignore the fact that informatics is at the heart of correcting many of the "ills" in healthcare, and because of this, Dr Kudyba's book is a must read!

11 of 14 people found the following review helpful.

Idiosyncratic; Hoyt's book is more comprehensive and cheaper

By John P. Roberts

The intended audience for this book is hospital administrators--including CMIOs and chiefs of staff--that are needing to plan for buying and implementing healthcare information technology. The material covered is less comprehensive and more idiosyncratic than what is in Hoyt's Medical Informatics (4th edition 2010). There is a good overview of project management although you're probably better off learning that from a good PM book or taking a course. The importance of utilizing nurses in implementation of an EHR is exhaustively

discussed. An implementation of computer physician order entry (CPOE) in a hospital is presented in detail; this is the most useful part of the book and is recommended. Almost half the book is on analytics and data mining; these chapters are business- and research-oriented and I found them rather obvious.

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