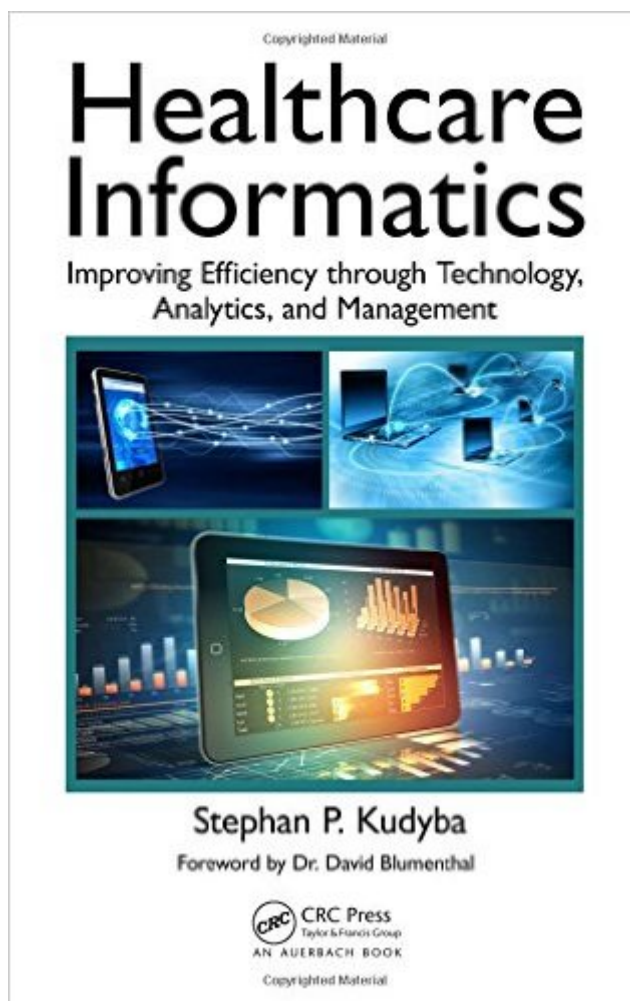# Healthcare Informatics: Improving Efficiency Through Technology, Analytics, And Management

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Synopsis

Healthcare Informatics: Improving Efficiency through Technology, Analytics, and Management supplies an understanding of the different types of healthcare service providers, corresponding information technologies, analytic methods, and data issues that play a vital role in transforming the healthcare industry. All of these elements are reshaping the various activities such as workflow and processes of hospitals, healthcare systems, ACOs, and patient analytics, including hot spotting, risk stratification, and treatment effectiveness.A follow-up to Healthcare Informatics: Improving Efficiency and Productivity, this latest book includes new content that examines the evolution of Big Data and how it is revolutionizing the healthcare industry. It presents strategies for achieving national goals for the meaningful use of health information technology and includes sound project management principles and case illustrations for technology roll-out, such as Computer Physician Order Entry (CPOE) for optimal utilization.The book describes how to enhance process efficiency by linking technologies, data, and analytics with strategic initiatives to achieve success. It explains how to leverage data resources with analytics to enhance decision support for care providers through in-depth descriptions of the array of analytic methods that are used to create actionable information, including Business Intelligence, Six Sigma, Data, and Text Mining.

Book Information

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Customer Reviews

This book is one of the most comprehensive writings on Healthcare Informatics that I've read. The author summarily describes the goal of the healthcare industry is to increase delivery of quality care with a simultaneous decrease in cost. How to get there has been the subject of public debate.

What's not debatable is that we have been on a non-sustainable course (with increasing costs and aging population) and that Healthcare Informatics can improve our lot.Why now?The author states that due to 1) Scientific advancements, 2) Digital convergence and 3) The rising cost of healthcare around the world there is an opportunity and need to increase the delivery of quality healthcare with the simultaneous decrease in cost. He is very well versed in the use of data and data analytics from his overall industry experience. I relate and am surprised to see more diagnostic and maintenance care information regarding my automobile than I do on my own health records. Or that my grocer has more buying and consumption information than my own doctor has readily available.The author reviews why the healthcare industry has had more challenges but, now has an even more important need and opportunity. The industry is beginning to unleash a torrent of electronic data and now at the same time there is an increase in sophisticated analytical tools is available. The author reviews traditional analytical tools as well as completely new tools currently in development such as predictive analytics and cognitive computing.

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