Health Information Systems: Architectures and Strategies (Health Informatics)

By Alfred Winter, Reinhold Haux, Elske Ammenwerth, Birgit Brigl, Nils Hellrung, Franziska Jahn

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Previously published as Strategic Information Management in Hospitals; An Introduction to Hospital Information Systems, Health Information Systems Architectures and Strategies is a definitive volume written by four authoritative voices in medical informatics. Illustrating the importance of hospital information management in delivering high quality health care at the lowest possible cost, this book provides the essential resources needed by the medical informatics specialist to understand and successfully manage the complex nature of hospital information systems. Author of the first edition's Foreword, Reed M. Gardner, PhD, Professor and Chair, Department of Medical Informatics, University of Utah and LDS Hospital, Salt Lake City, Utah, applauded the text's focus on the underlying administrative systems that are in place in hospitals throughout the world. He wrote, "These challenging systems that acquire, process and manage the patient's clinical information. Hospital information systems provide a major part of the information needed by those paying for health care" their components; health information systems; architectures of hospital information systems; and organizational structures for information management.

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Editorial Review

Review

From the reviews of the second edition:

"Health Information Systems appears to be directed at teaching the building blocks and constructs of information systems used for managing health care. … It is descriptive, analytical, and well written … . Given the rapid increase in use of hospital information systems and the demand for skills in building, supporting, and understanding such systems, Health Information Systems: Architectures and Strategies is a timely book. … it teaches readers without health care experience about the complexity of medical information." (David Chou, Journal of the American Medical Association, Vol. 306 (12), 2011)

From the Back Cover
Health Information Systems: Architectures and Strategies is a definitive introductory resource that tackles the pivotal role of information systems in health care. Illustrating the importance of information systems in delivering high-quality health care at the lowest possible cost, this book provides the essential resources needed by the health informatics / medical informatics specialist to understand and successfully manage the complex nature of hospital and transinstitutional health information systems. The book refines concepts described in the Editors' previous book Strategic Information Management in Hospitals and considers both the progress in the field and also the lessons learned. Perception of information systems in health care has changed. There is no longer a focus only on single institutions like hospitals, but health care institutions within health care networks come to the fore. In producing this new book, the Editors have broadened the focus from hospital information systems and their strategic management to strategic management of transinstitutional health information systems. Alfred Winter, PhD, is Professor of Medical Informatics at the Institute of Medical Informatics, Statistics and Epidemiology, University of Leipzig, Leipzig, Germany Reinhold Haux, PhD, is Professor of Medical Informatics and Director at the Peter L. Reichertz Institute for Medical Informatics at University of Braunschweig – Institute of Technology and Hannover Medical School, Germany Elske Ammenwerth, PhD, is Professor of Medical Informatics at UMIT - University for Health Sciences, Medical Informatics and Technology , Hall i.T., Austria Birgit Brigl, PhD, is at the IT full service provider of the German Federal Ministry of Finance, Frankfurt/Main, Germany Nils Hellrung, PhD, is research associate at the Peter L. Reichertz Institute for Medical Informatics at University of Braunschweig – Institute of Technology and Hannover Medical School, Germany Franziska Jahn, MSc, is research associate at the Institute of Medical Informatics, Statistics and Epidemiology, University of Leipzig, Germany

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