



## Advances in Human Factors and Ergonomics in Healthcare (Advances in Human Factors and Ergonomics Series)

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Based on recent research, this book discusses how to improve quality, safety, efficiency, and effectiveness in patient care through the application of human factors and ergonomics principles. It provides guidance for those involved with the design and application of systems and devices for effective and safe healthcare delivery from both a patient and staff perspective.

Its huge range of chapters covers everything from the proper design of bed rails to the most efficient design of operating rooms, from the development of quality products to the rating of staff patient interaction. It considers ways to prevent elderly patient falls and ways to make best use of electronic health records. It covers staff interactions with patients as well as staff interaction with computers and medical devices. It also provides way to improve organizational aspects in a healthcare setting, and approaches to modeling and analysis specifically targeting those work aspects unique to healthcare.

Explicitly, the book contains the following subject areas:

- I. Healthcare and Service Delivery
- II. Patient Safety
- III. Modeling and Analytical Approaches
- IV. Human-System Interface: Computers & Medical Devices
- V. Organizational Aspects

This book would be of special value internationally to those researchers and

practitioners involved in various aspects of healthcare delivery.

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### **Editorial Review**

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This book discusses the latest advances in human factors and ergonomics, focusing on methods for improving quality, safety, efficiency, and effectiveness in patient care. By emphasizing the physical, cognitive and organizational aspects of human factors and ergonomics applications, it reports on various perspectives, including those of clinicians, patients, health organizations and insurance providers. The book describes cutting-edge applications, highlighting the best practices of staff interactions with patients, as well as interactions with computers and medical devices. It also presents new findings related to improved organizational outcomes in healthcare settings, and approaches to modeling and analysis specifically targeting those work aspects unique to healthcare. Based on the AHFE 2016 International Conference on Human Factors and Ergonomics in Healthcare, held on July 27-31, 2016, in Walt Disney World(r), Florida, USA, the book is intended as timely reference guide for both researchers involved in the design of healthcare systems and devices and healthcare professionals aiming at effective and safe health service delivery. Moreover, by providing a useful survey of cutting-edge methods for improving organizational outcomes in healthcare settings, the book also represents an inspiring reading for healthcare counselors and international health organizations.

About the Author

Purdue University, Indiana, USA

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**Johnny Allen:**

What do you think about book? It is just for students because they're still students or that for all people in the world, what the best subject for that? Just you can be answered for that problem above. Every person has different personality and hobby per other. Don't to be obligated someone or something that they don't need do that. You must know how great along with important the book Advances in Human Factors and Ergonomics in Healthcare (Advances in Human Factors and Ergonomics Series). All type of book can you see on many resources. You can look for the internet solutions or other social media.

**Richard Manning:**

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**Betty Dunham:**

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**Amy Smith:**

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