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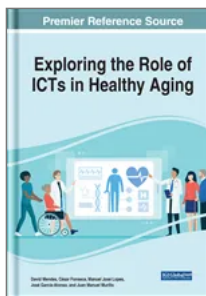
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Exploring the Role of ICTs in Healthy Aging

David Mendes (/affiliate/david-mendes/243449) (Universidade de Évora, Portugal), César Fonseca (Universidade de Évora, Portugal), Manuel José Lopes (Universidade de Évora, Portugal), José García-Alonso (/affiliate/jos-garca-alonso/354234) (Universidad de Extremadura, Spain), and Juan Manuel Murillo (Universidad de Extremadura, Spain)

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Description & Coverage

Description:

Technological innovation continues to be present in all areas of our lives, offering seemingly endless possibilities. As technology is increasingly implemented in healthcare applications, it is necessary to understand whether users respond to a predefined organizational strategy of model of care or whether they will become wholly dependent on the healthcare technology. This understanding is especially crucial when dealing with the possibility of generating inequities, especially with individuals that are elderly.

Exploring the Role of ICTs in Healthy Aging is a collection of innovative research that proposes the detailed study of a strategic framework for the development of technological innovation in healthcare and for its adoption by health organizations. While highlighting topics including emotional health, quality of life, and telemedicine, this book is ideally designed for physicians, nurses, hospital staff, medical professionals, home care providers, hospital administrators, academicians, students, and researchers. Moreover, the book will provide insights and support executives concerned with the management of expertise, knowledge, information, and organizational development in different types of healthcare units at various levels.

Coverage:

The many academic areas covered in this publication include, but are not limited to:

- Digital Media
- eHealth
- Emotional Health
- Home-Based Care
- Media Literacy
- Mobile Health
- Quality of Life
- Smart Technology
- Telemedicine
- Virtual Reality

Reviews & Statements

"This book is an excellent resource for clinicians and that provides inspiration and a framework for adopting innovative thinking in healthcare planning. Caring for the aged is often a neglected

area of healthcare research, but the innovative technology in this book could play an important role in caring for the aged in many healthcare settings. The book's interrelated themes of care approaches, work organization, communication, social sciences, and smart phone use offers insight into the innovative technologies to coordinate care."

– Nicky Martin, BS, MU Sinclair School of Nursing, USA, Doody's Review

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Manuel José Lopes (Comprehensive Health Research Centre, Universidade de Évora, Portugal), César Fonseca (Universidade de Évora, Portugal), Patrícia Barbosa (Escola Nacional de Saúde Pública, Universidade Nova de Lisboa, Portugal)

The idea of the need for healthcare planning, whether in the individual or collective dimensions, is consensual among all health professionals. Despite this...

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Chapter 2

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David José Murteira Mendes (Universidade de Évora, Portugal), Manuel José Lopes (Comprehensive Health Research Centre, Universidade de Évora, Portugal), José Manuel Garcia-Alonso (Universidad de Extremadura, Spain), Jorge Santos (Universidade de Évora, Portugal), Luís Manuel Mota Sousa (Comprehensive Health Research Center, Universidade de Évora, Portugal)

The individual care plan (ICP) is a metamorphic being. The only steady reality that it maintains is its final objective, stated and explained in the previous...

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This chapter describes the innovative solutions generated by the digital society in the field of health and reflects on the effectiveness of the mechanisms...

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Evaluating the culture of drug safety, of certain services, and specific subjects, especially for the elderly population, makes it possible to identify gaps...

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This chapter focuses on the use of technology on older adult health promotion. During the ageing process, they experience changes in physical, cognitive...

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Information and communication technologies (ICTs) are important for improving healthcare services worldwide. Using tools related to ICTs such as smartphones...

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The ageing of the population is one of the main emerging problems for this century. Knowledge and understanding of the food ideologies and practices of this...

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The percentage of elder people in developed countries is increasing rapidly. A high percentage of them usually present multiple and chronic diseases. A...

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The increase in the elderly population today is a fact. This group of people needs day-to-day care due to their age, and, in addition, they often have health...

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Editor/Author Biographies

David José Murteira Mendes, born in Évora (Portugal) in the 4th of July of 1966, achieved a PhD degree in Computer Science in Universidade de Évora (Portugal) in 2014. Previously he owns a MSc in Applied Artificial Intelligence also from the same University, a MBA from Universidad de Extremadura (Badajoz, Spain) a BSc in Computer Science from Universidade Nova de Lisboa (Portugal). He has developed a Software Engineer career from 1989 and developed mainly software for government organizations in particular for Hospitals intended both for management and clinical support. He acted as IT coordinator near the Mozambican Health Ministry after having designed the national Health Information System according to the governments memorandum "Health Strategic Program 2009/14". Currently as of 2018 he is R&D Manager for DECSIS, SA where he maintains the relations with academia regarding ICT applied to Healthy Ageing Environments. He has special interest in scuba diving being an active PADI instructor and underwater photographer.

José García-Alonso has a PhD in Information Technology from the University of Extremadura since 2014, and a lecturer in the Department of Computer Systems and Telematics Engineering at the same university since 2010, since 2016 as Associate Professor. During his career he has made numerous publications in various prestigious conferences and magazines. Also noteworthy is its transfer work, which has been carried out with the participation in various research projects and contracts with companies and through the creation of two technology-based companies.

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