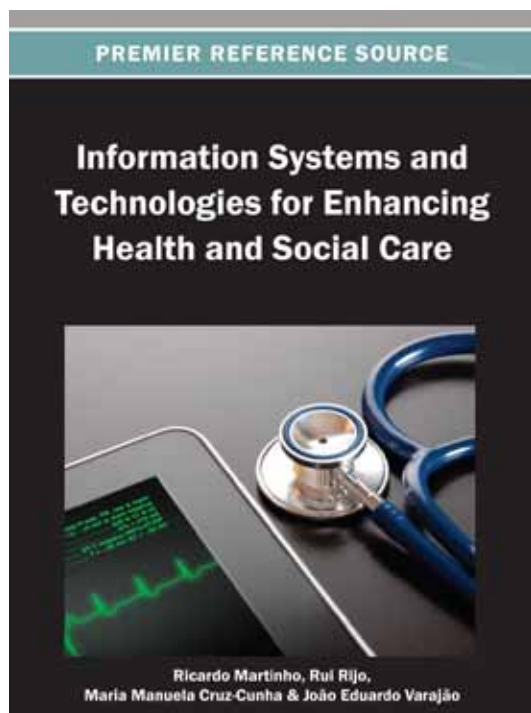


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## Information Systems and Technologies for Enhancing Health and Social Care



Ricardo Martinho (School of Technology and Management, Polytechnic Institute of Leiria, Portugal), Rui Rijo (School of Technology and Management, Polytechnic Institute of Leiria, Portugal), Maria Manuela Cruz-Cunha (Polytechnic Institute of Cavado and Ave, Portugal) and João Varajão (University of Trás-os-Montes and Alto Douro, Portugal)

Technology continues to benefit different aspects of our society. As such, the health and social care field has begun to utilize these advantages towards improvements in health informatics and healthcare applications.

**Information Systems and Technologies for Enhancing Health and Social Care** provides the latest and most relevant research on the understanding, expansion, and solutions on technologies used for improvements in the health and social care field. This book is useful for academics, industry leaders, and professionals interested in the latest advancements in technology and its impact on health care.

### Topics Covered:

- Artificial Neural Networks
- Clinical Data Mining
- Cloud Computing
- Decision Support System
- Patient Centered Design
- Semantic Web

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**Ricardo Martinho** is a full Professor at the School of Technology and Management – Polytechnic Institute of Leiria, Portugal. He teaches several subjects related to enterprise information systems, enterprise application development, software engineering and healthcare information systems. He graduated in Electrical Engineering – Computer Science at University of Coimbra, received his MSc in Computer Science - Information Systems Programming from IST - Technical University of Lisbon, and his PhD from University of Trás-os-Montes e Alto Douro. He is currently the Head of the Healthcare Informatics course, and participates as a consultant in several enterprise and healthcare-related research projects. He is also a member of the Large Scale Informatics Systems Laboratory at the University of Lisbon, and supervises several MSc and PhD theses in the Computer Science – Healthcare Informatics research areas. He serves as editor-in-chief, member of editorial board and reviewer for several books and international journals, and has served in several committees of international conferences. He is a co-founder and general chair of HCist – International Conference on Health and Social Care Information Systems and Technologies (<http://hcist.eiswatch.org>). His current research interests include Healthcare Business Process Management (modelling and BPM tools applied to healthcare), mobile-health and agile software development methods.

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