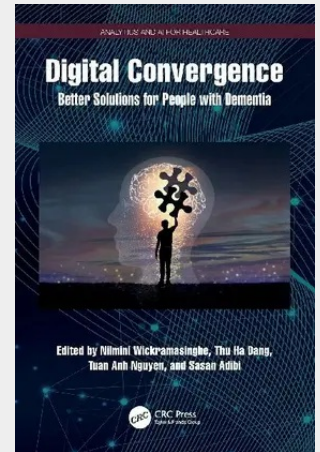


Digital Convergence

Better Solutions for People with Dementia

This book focuses on using analytics and artificial intelligence (AI) to offer a high-quality value proposition to address dementia, a growing and concerning global healthcare problem. By enabling better decision-making support, minimizing medical errors and use of specific treatment strategies, digital technologies are key to effective care for People Living with Dementia (PLWD). By taking a unique triumvirate approach of focusing simultaneously on people issues, technical issues and process issues, the critical success issues are identified. The first point of concern is the different major stakeholders, including PLWD, their family carer, their challenges and major barriers and facilitators. Next, the vast pool of digital tools is considered, such as the different forms of mobile, platforms, sensors, IoT, chatbots, avatars, robots, augmented reality, virtual reality and mixed reality. This leads next to looking at the important considerations for the design and development of digital health solutions for priority areas of action in the Global Action Plan on Dementia, including co-design and research. By using a global perspective, the international examples help to better appreciate culture and practices, as countries differ significantly regarding many key issues pertaining to healthcare delivery. The editors endeavour to cover all areas pertinent to leveraging digital health solutions to facilitate the realization of value-driven healthcare delivery for all healthcare systems. This book is a new and comprehensive text, which would serve as an important resource for practitioners and professionals in healthcare and would be beneficial as a supplementary text for students undertaking studies relating to health informatics and public healthcare.

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