



Pervasive Computing in Healthcare

By Alex Mihailidis, Jakob E. Bardram

Taylor & Francis Inc. Hardback. Book Condition: new. BRAND NEW, Pervasive Computing in Healthcare, Alex Mihailidis, Jakob E. Bardram, With skyrocketing costs due to the increase in the elderly population, a rapid increase in lifestyle-related and chronic diseases, demand for new medical treatments and technologies, and a shortage in the number of available clinicians, nurses, and other caregivers, the challenges facing the healthcare industry seem insurmountable. However, by transforming the current model into a more distributed and highly responsive healthcare processing model, patients can take control of their own health in the form of wellness management, preventive care, and proactive intervention. Pioneering the concepts of this newly emerging field, Pervasive Computing in Healthcare provides an introduction to and is the first known comprehensive resource on the application of pervasive computing in healthcare. The book begins with an overview of healthcare, diseases, disabilities, and computer science principles. It describes challenges in using computers in large, modern hospitals, how current software and hardware technology is evolving to meet these challenges, and new pervasive technologies for people with cognitive disabilities. Identifying the main usage models and applications for mobile and personal health, the book explores sensors and wearable technologies. It also examines current...



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