



## Health Care Engineering, Part II

By Monique Frize

Morgan & Claypool Publishers Okt 2013, 2013. Taschenbuch. Book Condition: Neu. 235x191x4 mm. This item is printed on demand - Print on Demand Neuware - Part II of Health Care Engineering begins with statistics on the occurrence of medical errors and adverse events, and includes some technological solutions. A chapter on electronic medical records follows. The knowledge management process divided into four steps is described; this includes a discussion on data acquisition, storage, and retrieval. The next two chapters discuss the other three steps of the knowledge management process (knowledge discovery, knowledge translation, knowledge integration and sharing). The last chapter briefly discusses usability studies and clinical trials. This two-part book consolidates material that supports courses on technology development and management issues in health care institutions. It can be useful for anyone involved in design, development, or research, whether in industry, hospitals, or government. Table of Contents: Preface / Adverse Events, Medical Errors, and the Role of Information Technology in Reducing Them / The Electronic Medical Record (EMR): Design, Safety, and Meaningful Use / Knowledge Management (KM) in a Clinical Environment: Data Acquisition, Storage, and Retrieval / Knowledge Discovery (KD): Data Analysis and Data Mining Tools / Knowledge Translation (KT), Integration,...



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