

1. Record Nr.	UNINA9910484384103321
Titolo	Knowledge management for health care procedures : from knowledge to global care, AIME 2007 Workshop K4CARE 2007, Amsterdam, the Netherlands, July 7, 2007 : revised selected papers // David Riano (editor)
Pubbl/distr/stampa	Berlin ; ; Heidelberg ; ; New York : , : Springer, , [2008] ©2008
ISBN	3-540-78624-4
Edizione	[1st ed. 2008.]
Descrizione fisica	1 online resource (X, 166 p.)
Collana	Lecture notes in computer science ; ; 4924
Disciplina	610.285
Soggetti	Medical informatics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Health Care Knowledge Management -- Healthcare Knowledge Management: The Art of the Possible -- Health Care Knowledge Elicitation -- Using Lexical, Terminological and Ontological Resources for Entity Recognition Tasks in the Medical Domain -- Learning Medical Ontologies from the Web -- Mining Hospital Data to Learn SDA* Clinical Algorithms -- Generating Macro-Temporality in Timed Transition Diagrams -- Health Care Knowledge Transformation -- Automatic Combination of Formal Intervention Plans Using SDA* Representation Model -- The Data Abstraction Layer as Knowledge Provider for a Medical Multi-agent System -- Enlarging a Medical Actor Profile Ontology with New Care Units -- Health Care Knowledge-Based Intelligent Systems -- A Concept-Based Framework for Retrieving Evidence to Support Emergency Physician Decision Making at the Point of Care -- Decision Making System Based on Bayesian Network for an Agent Diagnosing Child Care Diseases -- PIESYS: A Patient Model-Based Intelligent System for Continuing Hypertension Management -- An Intelligent Platform to Provide Home Care Services.
Sommario/riassunto	The incursion of information and communication technologies (ICT) in health care entails evident benefits at the levels of security and efficiency that improve not only the quality of life of the patients, but also the quality of the work of the health care professionals and the costs of

national health care systems. Leaving research approaches aside, the analysis of ICT in health care shows an evolution from the initial interest in representing and storing health care data (i. e. , electronic health care records) to the current interest of having remote access to electronic health care systems, as for example HL7 initiatives or telemedicine. This sometimes imperceptible evolution can be interpreted as a new step of the progress path of health care informatics, whose next emerging milestone is the convergence of current solutions with formal methods for health care knowledge management. In this sense, K4CARE is a European project aiming at contributing to this progress path. It is centered on the idea that health care knowledge represented in a formal way may favor the treatment of home care patients in modern societies. The project highlights several aspects that are considered relevant to the evolution of medical informatics: health care knowledge production, health care knowledge integration, update, and adaptation, and health care intelligent systems.

---