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TRAUMA INFORMATICS

Springer Information and the technology to rapidly transmit, analyze, document, and disperse this information are increasing arithmetically, if not logarithmi cally. Arguably, no discipline better exemplifies this trend than medicine. It can be further argued that care of the trauma patient is one of the better examples of informatics and the potential benefit to the health profession als who care for these patients. Maull and Augenstein have provided us with a primer on informatics and its use in trauma care. The subject matter is timely and covers the gamut of trauma care from prehospital to rehabilitation. Who will benefit from trauma informatics? A simple answer would be anyone who takes care of trauma patients. From a broader perspective, however, at least three examples illustrate how trauma informatics can be used today to exert a positive effect on patient outcome. The first example is care of combat casualties, including battlefield resuscitation, evacuation, acute care, and ultimate return to the continental United States. Current technology is such that via global positioning satellite, a corpsman could transmit to a remote area the vital signs and pertinent physical findings of a combat casualty. Furthermore, the location of the corpsman and the casu alty would be precisely known, and consultation and destination disposition would be possible. The injured person, when admitted to a combat support hospital, could be continuously monitored and additional remote consulta tion obtained.

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MENTAL HEALTH INFORMATICS

ENABLING A LEARNING MENTAL HEALTHCARE SYSTEM

Springer Nature This textbook provides a detailed resource introducing the subdiscipline of mental health informatics. It systematically reviews the methods, paradigms, tools and knowledge base in both clinical and bioinformatics and across the spectrum from research to clinical care. Key foundational technologies, such as terminologies, ontologies and data exchange standards are presented and given context within the complex landscape of mental health conditions, research and care. The learning health system model is utilized to emphasize the bi-directional nature of the translational science associated with mental health processes. Descriptions of the data, technologies, paradigms and products that are generated by and used in each process and their limitations are discussed. Mental Health Informatics: Enabling a Learning Mental Healthcare System is a comprehensive introductory resource for students, educators and researchers in mental health informatics and related behavioral sciences. It is an ideal resource for use in a survey course for both pre- and post-doctoral training programs, as well as for healthcare administrators, funding entities, vendors and product developers working to make mental healthcare more evidence-based.

CONSUMER INFORMATICS

APPLICATIONS AND STRATEGIES IN CYBER HEALTH CARE

Springer Science & Business Media This series is directed to healthcare professionals who are leading the trans formation of health care by using information and knowledge. Launched in 1988 as Computers in Health Care, the series offers a broad range of titles: some addressed to specific professions such as nursing, medicine, and health administration; others to special areas of practice such

as trauma and radiol ogy. Still other books in the series focus on interdisciplinary issues, such as the computer-based patient record, electronic health records, and networked healthcare systems. Renamed Health Informatics in 1998 to reflect the rapid evolution in the discipline now known as health informatics, the series will continue to add titles that contribute to the evolution of the field. In the series, eminent ex perts, serving as editors or authors, offer their accounts of innovations in health informatics. Increasingly, these accounts go beyond hardware and soft ware to address the role of information in influencing the transformation of healthcare deli very systems around the world. The series also increasingly focuses on "peopleware" and the organizational, behavioral, and societal changes that accompany the diffusion of information technology in health services environments.

MEDICAL INFORMATICS IN A UNITED AND HEALTHY EUROPE

PROCEEDINGS OF MIE 2009, THE XXII INTERNATIONAL CONGRESS OF THE EUROPEAN FEDERATION FOR MEDICAL INFORMATICS

IOS Press This volume contains the proceedings of the 22nd International Conference on Medical Informatics Europe 2009 (MIE) in Sarajevo, Bosnia and Herzegovina, September 2009. The scientific topics presented in these proceedings range from national and transnational ehealth roadmaps, health information and electronic health record systems, systems interoperability and communication standards, medical terminology and ontology approaches, and social networks to web, web 2.0, and semantic web solutions for patients, health personnel and researchers.

INFORMATICS FOR THE CLINICAL LABORATORY

A PRACTICAL GUIDE FOR THE PATHOLOGIST

Springer Science & Business Media This series is directed to healthcare professionals who are leading the tra- formation of health care by using information and knowledge. Launched in 1988 as Computers in Health Care, the series offers a broad range of titles: some addressed to specific professions such as nursing, medicine, and health administration; others to special areas of practice such as trauma and radi- ogy. Still other books in the series focus on interdisciplinary issues, such as the computer-based patient record, electronic health records, and networked healthcare systems. Renamed Health Informatics in 1998 to reflect the rapid evolution in the discipline now known as health informatics, the series will continue to add titles that contribute to the evolution of the field. In the series, eminent - perts, serving as editors or authors, offer their accounts of innovations in health informatics. Increasingly, these accounts go beyond hardware and so- ware to address the role of information in influencing the transformation of healthcare delivery systems around the world. The series also increasingly focuses on "peopleware" and the organizational, behavioral, and societal changes that accompany the diffusion of information technology in health services environments.

ETHICS AND INFORMATION TECHNOLOGY

A CASE-BASED APPROACH TO A HEALTH CARE SYSTEM IN TRANSITION

Springer Science & Business Media This series is directed to health care professionals who are leading the tra- formation of health care by using information and knowledge. Launched in 1988 as Computers in Health Care, the series offers a broad range of titles: some addressed to specific professions such as nursing, medicine, and health administration; others to special areas of practice such as trauma and radi- ogy. Still other books in the series focus on interdisciplinary issues, such as the computer-based patient record, electronic health records, and networked health care systems. Renamed Health Informatics in 1998 to reflect the rapid evolution in the discipline now known as health informatics, the series will continue to add titles that contribute to the evolution of the field. In the series, eminent - perts, serving as editors or authors, offer their accounts of innovations in health informatics. Increasingly, these accounts go beyond hardware and so- ware to address the role of information in influencing the transformation of healthcare delivery systems around the world. The series also increasingly focuses on "peopleware" and the organizational, behavioral, and societal changes that accompany the diffusion of information technology in health services environments.

MEDICAL INFORMATICS

PHI Learning Pvt. Ltd. This is an up-to-date text that presents a detailed exposition of the concepts of Medical Informatics with a simple and student-friendly approach. The topics are comprehensively described and are supported with illustrations, figures and tables which make it a unique offering for both—the students and the teachers. The author has brought all his teaching and research experience to make this book easy to read and understand. The stress is mainly given on the integration of medical informatics in healthcare management, in the context of Indian scenario. The book emphasizes the role of computers in the area of medical services including nursing, clinical care, dentistry, pharmacy, public health and biomedical research. The main focus in healthcare nowadays is given to create, maintain and manage large and complex electronic information data that can securely gather, store, transfer and make accessible Electronic Health Records (EHRs) and Electronic Medical Records (EMRs). The book, organized in an easy-to-read style is highly informative, and attempts to keep up with the quick pace of changes in this field. The book is primarily designed for the undergraduate and postgraduate students of biomedical engineering and paramedical courses. It will also be of great value to the healthcare professionals.

A NATIONAL TRAUMA CARE SYSTEM

INTEGRATING MILITARY AND CIVILIAN TRAUMA SYSTEMS TO ACHIEVE ZERO PREVENTABLE DEATHS AFTER INJURY

National Academies Press Advances in trauma care have accelerated over the past decade, spurred by the significant burden of injury from the wars in Afghanistan and Iraq. Between 2005 and 2013, the case fatality rate for United States service members injured in

Afghanistan decreased by nearly 50 percent, despite an increase in the severity of injury among U.S. troops during the same period of time. But as the war in Afghanistan ends, knowledge and advances in trauma care developed by the Department of Defense (DoD) over the past decade from experiences in Afghanistan and Iraq may be lost. This would have implications for the quality of trauma care both within the DoD and in the civilian setting, where adoption of military advances in trauma care has become increasingly common and necessary to improve the response to multiple civilian casualty events. Intentional steps to codify and harvest the lessons learned within the military's trauma system are needed to ensure a ready military medical force for future combat and to prevent death from survivable injuries in both military and civilian systems. This will require partnership across military and civilian sectors and a sustained commitment from trauma system leaders at all levels to assure that the necessary knowledge and tools are not lost. A National Trauma Care System defines the components of a learning health system necessary to enable continued improvement in trauma care in both the civilian and the military sectors. This report provides recommendations to ensure that lessons learned over the past decade from the military's experiences in Afghanistan and Iraq are sustained and built upon for future combat operations and translated into the U.S. civilian system.

PUBLIC HEALTH INFORMATICS AND INFORMATION SYSTEMS

Springer Science & Business Media This revised edition covers all aspects of public health informatics and discusses the creation and management of an information technology infrastructure that is essential in linking state and local organizations in their efforts to gather data for the surveillance and prevention. Public health officials will have to understand basic principles of information resource management in order to make the appropriate technology choices that will guide the future of their organizations. Public health continues to be at the forefront of modern medicine, given the importance of implementing a population-based health approach and to addressing chronic health conditions. This book provides informatics principles and examples of practice in a public health context. In doing so, it clarifies the ways in which newer information technologies will improve individual and community health status. This book's primary purpose is to consolidate key information and promote a strategic approach to information systems and development, making it a resource for use by faculty and students of public health, as well as the practicing public health professional. Chapter highlights include: The Governmental and Legislative Context of Informatics; Assessing the Value of Information Systems; Ethics, Information Technology, and Public Health; and Privacy, Confidentiality, and Security. Review questions are featured at the end of every chapter. Aside from its use for public health professionals, the book will be used by schools of public health, clinical and public health nurses and students, schools of social work, allied health, and environmental sciences.

IMPLEMENTING AN ELECTRONIC HEALTH RECORD SYSTEM

Springer Science & Business Media - Practical in its scope and coverage, the authors have provided a tool-kit for the medical professional in the often complex field of medical informatics - All editors are from the Geisinger Health System, which has one of the largest Electron Health systmes in the USA, and is high in the list of the AMIA "100 Most Wire" healthcare systems - Describes the latest successes and pitfalls

HEALTHCARE INFORMATION SYSTEMS AND INFORMATICS: RESEARCH AND PRACTICES

RESEARCH AND PRACTICES

IGI Global "This book addresses issues involving health information systems and informatics as innovative forms of investment in healthcare"--Provided by publisher.

MEDICAL DATA MANAGEMENT

A PRACTICAL GUIDE

Springer Science & Business Media This book addresses important classification systems such as the ICD-9 and -10 and instructs the reader in the process of patient care in a highly specialized healthcare system, with attention to maintaining medical quality and cost-effectiveness in establishing an integrated and easily manageable system. It speaks to healthcare professionals needing to learn the principles and implementation of integrated, systematic data management systems.

INFORMATION RETRIEVAL: A HEALTH AND BIOMEDICAL PERSPECTIVE

Springer Science & Business Media This series is directed to healthcare professionals who are leading the transfor- tion of health care by using information and knowledge to advance the quality of patient care. Launched in 1988 as Computers in Health Care, the series offers a broad range of titles: some are addressed to speci?c professions such as nursing, medicine, and health administration; others to special areas of practice such as trauma and radiology. Still other books in this series focus on interdisciplinary issues, such as the computer-based patient record, electronic health records, and networked healthcare systems. Renamed Health Informatics in 1998 to re?ect the rapid evolution in the discipline now known as health informatics, the series continues to add titles that contribute to the evolution of the ?eld. In this series, eminent experts, serving as editors or authors, offer their accounts of innovation in health informatics. Incre- ingly, these accounts go beyond hardware and software to address the role of information in in?uencing the transformation of healthcare delivery systems around the world. The series also increasingly focuses on "peopleware" and the organi- tional, behavioral, and societal changes that accompany the diffusion of infor- tion technology in health services environments.

NATIONAL LIBRARY OF MEDICINE CURRENT CATALOG

CUMULATIVE LISTING

RESEARCH ACTIVITIES

COGNITIVE INFORMATICS IN HEALTH AND BIOMEDICINE

CASE STUDIES ON CRITICAL CARE, COMPLEXITY AND ERRORS

Springer Science & Business Media Enormous advances in information technology have permeated essentially all facets of life in the past two decades. Formidable challenges remain in fostering tools that enhance productivity but are sensitive to work practices. Cognitive Informatics (CI) is the multidisciplinary study of cognition, information and computational sciences that investigates all facets of human computing including design and computer-mediated intelligent action, thus is strongly grounded in methods and theories from cognitive science. As an applied discipline, it has a close affiliation with human factors and human-computer interaction, and provides a framework for the analysis and modeling of complex human performance in technology-mediated settings and contributes to the design and development of better information systems. In recent years, CI has emerged as a distinct area with special relevance to biomedicine and health care. In addition, it has become a foundation for education and training of health informaticians, the Office of the National Coordinator for Health Information Technology initiating a program including CI as one of its critical elements to support health IT curriculum development. This book represents a first textbook on cognitive informatics and will focus on key examples drawn from the application of methods and theories from CI to challenges pertaining to the practice of critical-care medicine (CCM). Technology is transforming critical care workflows and re-organizing patient care management processes. CCM has proven to be a fertile test bed for theories and methods of cognitive informatics. CI, in turn, has contributed much to our understanding of the factors that result in complexity and patient errors. The topic is strongly interdisciplinary and will be important for individuals from a range of academic and professional backgrounds, including critical care specialists, psychologists, computer scientists, medical informaticians, and anthropologists.

TRAUMA

CONTEMPORARY PRINCIPLES AND THERAPY

Lippincott Williams & Wilkins Written by international leaders in trauma surgery, this comprehensive text spans the entire field of trauma, from the composition and practice of the trauma team to management of all injuries seen in a trauma setting. The fully searchable online text is also available on a companion Web site.

NEUROTRAUMA

MANAGING PATIENTS WITH HEAD INJURY

John Wiley & Sons Neurotrauma: Managing Patients with Head Injuries is a comprehensive, holistic, evidence-based approach to the primary, secondary and tertiary care of a person with neurotrauma. Using a patient-centred needs approach to enhance the quality of care of head injured patients, family and carers, this multidisciplinary book enables the reader to apply the knowledge, skills and attitudes learned to the practice of neurotrauma in all settings. It explores: Anatomy and physiology of the brain Pharmacology for neurotrauma patients Assessment of the patient with neurotrauma Management of neurotrauma in a range of settings including at the scene, in the emergency department, and at the hospital Neuro-rehabilitation Community care Nursing management of the patient This practical resource includes activities, exercises, and ethical and legal considerations throughout, making it ideal reading for all staff working in neuroscience, emergency, critical and rehabilitation settings.

CUMULATED INDEX MEDICUS

POST-TRAUMATIC STRESS DISORDERS: NEW INSIGHTS FOR THE HEALTHCARE PROFESSIONAL: 2013 EDITION

ScholarlyEditions Post-Traumatic Stress Disorders: New Insights for the Healthcare Professional: 2013 Edition is a ScholarlyEditions™ book that delivers timely, authoritative, and comprehensive information about Diagnosis and Screening. The editors have built Post-Traumatic Stress Disorders: New Insights for the Healthcare Professional: 2013 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Diagnosis and Screening in this book to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Post-Traumatic Stress Disorders: New Insights for the Healthcare Professional: 2013 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at http://www.ScholarlyEditions.com/.

PRACTICING HEALTH GEOGRAPHY

THE AFRICAN CONTEXT

Springer Nature This volume uniquely presents case studies on health geography in Africa, and analyzes health practices in different African regions to illustrate a unified perspective to the geographies of health. The book describes various contemporary and traditional themes that have characterized the discipline of health geography, and uses its 13 case studies across 14 chapters to challenge the perceived dichotomy between health geography and medical geography among health researchers and practitioners. In 3 sections, the book provides readers with a comprehensive and interdisciplinary approach to understanding health geography in Africa. The first chapter introduces the major theories and perspectives in health geography, and how these characteristics apply to health geography practices in Africa. Section 1 discusses the different uses of space-based analyses in health geography, including geo-data infrastructures, geographies of disease burden, spatial epidemiology, spatially precise public health, and spatial access to

health. Section 2 discusses the different uses of place-based analyses in health geography, including health representation, healthcare access, food allergies, and health determinants. Section 3 addresses how geography is incorporated into decision processes in Africa, and how policy planning shapes health-related interventions at the population and individual level. The case studies here discuss geo-enabling health records, health policy, public health planning, and mobile health geographies.

MEDICAL INFORMATICS: CONCEPTS, METHODOLOGIES, TOOLS, AND APPLICATIONS

CONCEPTS, METHODOLOGIES, TOOLS, AND APPLICATIONS

IGI Global Provides a collection of medical IT research in topics such as clinical knowledge management, medical informatics, mobile health and service delivery, and gene expression.

INFORMATION TECHNOLOGY SOLUTIONS FOR HEALTHCARE

Springer Science & Business Media In-depth study of internet-enhanced healthcare services Complete and thorough survey of the most promising e-health technologies Presents numerous real world examples Emphasis on international health-informatics topics, such as better access of states / countries to modern e-health technologies developed by leading centers

ANNUAL REVIEW OF NURSING RESEARCH, VOLUME 24, 2006

FOCUS ON PATIENT SAFETY

Springer Publishing Company Designated a Doody's Core Title! Supporting the urgent need for new patient safety guidelines and practices, Focus on Patient Safety, provides the most current and authoritative research and review to help decision makers develop new and much-needed standards and practices in nursing. With contributions from experts in the field, this new up-to-date reference focuses on key disciplines and topics that are critical to patient safety today including: Patient safety indicators Medication errors Falls and injury prevention Hospital-acquired infections Patient safety in acute-care units in hospitals Medications in the perioperative environment Home visit programs for the elderly Nursing homes Informatics issues Organizational, climate, and culture factors From new and emerging issues in patient safety to a review of research methods and measurement, this new 24th volume in the Annual Review of Nursing Research (ARNR) series continues to provide the highest standards of content and authoritative review of research for students, researchers, and clinicians.

MEDICAL INFORMATICS EUROPE

Vol. for 2000 contains proceedings of the Medical Informatics Europe Congress and of the annual congress of the German Association for Medical Informatics, Biometry and Epidemiology (GMDS).

ALTE UND NEUE MEDIKAMENTE IN DER PSYCHIATRISCHEN THERAPIE

ADAPTIVE BEHAVIORS OF EXPERTS IN FOLLOWING STANDARD PROTOCOL IN TRAUMA MANAGEMENT

IMPLICATIONS FOR DEVELOPING FLEXIBLE GUIDELINES

PERSON-CENTERED HEALTH RECORDS

TOWARD HEALTHEPEOPLE

Springer Science & Business Media Divided into three sections for easy use, including examples from person-centered systems already in place in the US Editors have brought together contributors from varied health care sectors in the United States and elsewhere—public and private, not-for-profit and for-profit

HANDBOOK OF RESEARCH ON HEALTHCARE ADMINISTRATION AND MANAGEMENT

IGI Global Effective healthcare delivery is a vital concern for citizens and communities across the globe. The numerous facets of this industry require constant re-evaluation and optimization of management techniques. The Handbook of Research on Healthcare Administration and Management is a pivotal reference source for the latest scholarly material on emerging strategies and methods for delivering optimal healthcare opportunities and solutions. Highlighting issues relating to decision making, process optimization, and technological applications, this book is ideally designed for policy makers, administrators, students, professionals, and researchers interested in achieving superior healthcare solutions.

HEALTHCARE INFORMATION MANAGEMENT SYSTEMS

CASES, STRATEGIES, AND SOLUTIONS

Springer Science & Business Media Healthcare Information Management Systems, Third edition, will be a comprehensive volume addressing the technical, organizational, and management issues confronted by healthcare professionals in the selection, implementation, and management of healthcare information systems. With contributions from experts in the field, this book focuses on topics such as strategic planning, turning a plan into reality, implementation, patient-centered technologies, privacy, the new culture of patient safety, and the future of technologies in progress. With the addition of 28 new chapters, the Third Edition is also richly peppered with case studies of implementation, both in the United States and abroad. The case studies are evidence that information technology can be implemented efficiently to yield results, yet they do not overlook pitfalls, hurdles, and other challenges that are encountered. Designed for use by physicians, nurses, nursing and medical directors, department heads, CEOs, CFOs, CIOs,

COOs, and healthcare informaticians, the book aims to be a indispensible reference.

NURSING INFORMATICS 2016

EHEALTH FOR ALL: EVERY LEVEL COLLABORATION – FROM PROJECT TO REALIZATION

IOS Press As the importance of electronic and digital devices in the provision of healthcare increases, so does the need for interdisciplinary collaboration to make the most of the new technical possibilities which have become available. This book presents the proceedings of the 13th International Conference on Nursing Informatics, held in Geneva, Switzerland, in June 2016. This biennial international conference provides one of the most important opportunities for healthcare professionals from around the world to gather and exchange expertise in the research and practice of both basic and applied nursing informatics. The theme of this 13th conference is eHealth for All: Every Level Collaboration – From Project to Realization. The book includes all full papers, as well as workshops, panels and poster summaries from the conference. Subjects covered include a wide range of topics, from robotic assistance in managing medication to intelligent wardrobes, and from low-cost wearables for fatigue and back stress management to big data analytics for optimizing work processes, and the book will be of interest to all those working in the design and provision of healthcare today.

TELEMEDICINE FOR TRAUMA, EMERGENCIES, AND DISASTER MANAGEMENT

Artech House Telemedicine has evolved to become an important field of medicine and healthcare, involving everything from simple patient care to actual performance of operations at a distance. This groundbreaking volume addresses the complex technical and clinical development in the management of trauma, disaster, and emergency situations using telemedicine. The book explains how telemedicine and related technologies can be used to effectively handle a wide range of scenarios, from a situation as small as a car crash, to major disasters such as an earthquake. Professionals find critical discussions on the practicality, logistics, and safety of telemedicine from recognized experts in the field. From teleteaching and telemonitoring, to teletrauma and telesurgery, this authoritative book covers all the major aspects that practitioners need to understand in order to engage and utilize this burgeoning area of medicine.

ONCOLOGY INFORMATICS

USING HEALTH INFORMATION TECHNOLOGY TO IMPROVE PROCESSES AND OUTCOMES IN CANCER

Academic Press Oncology Informatics: Using Health Information Technology to Improve Processes and Outcomes in Cancer Care encapsulates National Cancer Institute-collected evidence into a format that is optimally useful for hospital planners, physicians, researcher, and informaticians alike as they collectively strive to accelerate progress against cancer using informatics tools. This book is a formational guide for turning clinical systems into engines of discovery as well as a translational guide for moving evidence into practice. It meets recommendations from the National Academies of Science to "reorient the research portfolio" toward providing greater "cognitive support for physicians, patients, and their caregivers" to "improve patient outcomes." Data from systems studies have suggested that oncology and primary care systems are prone to errors of omission, which can lead to fatal consequences downstream. By infusing the best science across disciplines, this book creates new environments of "Smart and Connected Health." Oncology Informatics is also a policy guide in an era of extensive reform in healthcare settings, including new incentives for healthcare providers to demonstrate "meaningful use" of these technologies to improve system safety, engage patients, ensure continuity of care, enable population health, and protect privacy. Oncology Informatics acknowledges this extraordinary turn of events and offers practical guidance for meeting meaningful use requirements in the service of improved cancer care. Anyone who wishes to take full advantage of the health information revolution in oncology to accelerate successes against cancer will find the information in this book valuable. Presents a pragmatic perspective for practitioners and allied health care professionals on how to implement Health I.T. solutions in a way that will minimize disruption while optimizing practice goals Proposes evidence-based guidelines for designers on how to create system interfaces that are easy to use, efficacious, and timesaving Offers insight for researchers into the ways in which informatics tools in oncology can be utilized to shorten the distance between discovery and practice

HEALTH DATA IN THE INFORMATION SOCIETY

PROCEEDINGS OF MIE2002

IOS Press MIE 2002 is the XVIIth international conference of the European Federation of Medical Informatics. Today, mankind builds up the information society, enabled by the underlying rapid development in computer technology. The significance of the spread of the internet is comparable to the significance of Gutenberg's invention. On one hand it both helps dissemination of data and knowledge and sharing of ideas. On the other hand the achievements may divide the society, as did non-literacy deprive many people from knowledge throughout centuries. Today millions of people are isolated from an incredibly large amount of information because of "computer non-literacy," and a new elite mastering the information society has appeared. However, the ease of production and dissemination of information may foster thoughtless communication, and has lead to a flood of information and disinformation. We have to learn how to behave in this new situation, in which the dissemination of information - at an international level - is totally uncontrolled. In the area of medical or health informatics these questions are more serious. Lack of information, false or inadequate information, as well as improper interpretation of accurate information may seriously harm patients. And the process may go out of control of the physician, i.e. patients can "treat" themselves just by visiting some health sites on the net. Everybody may throw a message in a bottle in information flood, and everybody may pick up messages at any time. Can we do anything to ensure that all messages are valid? Can we guarantee that our messages reach the intended audience? Can we secure that content has not changed on its way? Do we know that people getting our messages will interpret them correctly? Are we able to understand the intention of a sender, when we get a message totally out of context? These questions build up the framework of MIE2002.

HEALTHCARE INFORMATION MANAGEMENT SYSTEMS

CASES, STRATEGIES, AND SOLUTIONS

Springer Science & Business Media Aimed at health care professionals, this book looks beyond traditional information systems and shows how hospitals and other health care providers can attain a competitive edge. Speaking practitioner to practitioner, the authors explain how they use information technology to manage their health care institutions and to support the delivery of clinical care. This second edition incorporates the far-reaching advances of the last few years, which have moved the field of health informatics from the realm of theory into that of practice. Major new themes, such as a national information infrastructure and community networks, guidelines for case management, and community education and resource centres are added, while such topics as clinical and blood banking have been thoroughly updated.

OXFORD TEXTBOOK OF CRITICAL CARE

Oxford University Press Now in paperback, the second edition of the Oxford Textbook of Critical Care addresses all aspects of adult intensive care management. Taking a unique problem-orientated approach, this is a key resource for clinical issues in the intensive care unit.

ALCOHOL AND OTHER DRUG SCREENING OF HOSPITALIZED TRAUMA PATIENTS

STRATEGIC INFORMATION MANAGEMENT IN HOSPITALS

AN INTRODUCTION TO HOSPITAL INFORMATION SYSTEMS

Springer Science & Business Media Strategic Information Management In Hospitals: An Introduction To Hospital Information Systems is a definitive volume written by four authoritative voices in medical informatics. Illustrating the importance of hospital information management in delivering high quality health care at the lowest possible cost, this book provides the essential resources needed by the medical informatics specialist to understand and successfully manage the complex nature of hospital information systems. Author of the book's Foreword, Reed M. Gardner, PhD, Professor and Chair, Department of Medical Informatics, University of Utah and LDS Hospital, Salt Lake City, Utah, applauds the text's focus on the underlying administrative systems that are in place in hospitals throughout the world. He writes, "These administrative systems are fundamental to the development and implementation of the even more challenging systems that acquire, process, and manage the patient's clinical information. Hospital information systems provide a major part of the information needed by those paying for health care." Chapter highlights include: significance of information processing in hospitals; information systems and their components; health information systems; architectures of hospital information systems; and organizational structures for information management.

TRANSFORMING HEALTH CARE THROUGH INFORMATION

CASE STUDIES

Springer Science & Business Media This series is intended for the rapidly increasing number of health care professionals who have rudimentary knowledge and experience in health care computing and are seeking opportunities to expand their horizons. It does not attempt to compete with the primers already on the market. Eminent international experts will edit, author, or contribute to each volume in order to provide compre hensive and current accounts of innovations and future trends in this quickly evolving field. Each book will be practical, easy to use, and well referenced. Our aim is for the series to encompass all of the health profes sions by focusing on specific professions, such as nursing, in indi vidual volumes. However, integrated computing systems are only one tool for improving communication arnong members of the health care team. Therefore, it is our hope that the series will stimulate profes sionals to explore additional means of fostering interdisciplinary exchange. This series springs from a professional collaboration that has grown over the years into a highly valued personal friendship. Our joint values put people first. If the Computers in Health Care series lets us share those values by helping health care professionals to communicate their ideas for the benefit of patients, then our efforts will have succeeded.