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17th International Conference on Information Technology-New Generations (ITNG 2020) *Springer Nature This volume presents the 17th International Conference on Information Technology—New Generations (ITNG), and chronicles an annual event on state of the art technologies for digital information and communications. The application of advanced information technology to such domains as astronomy, biology, education, geosciences, security, and healthcare are among the themes explored by the ITNG proceedings. Visionary ideas, theoretical and experimental results, as well as prototypes, designs, and tools that help information flow to end users are of special interest. Specific topics include Machine Learning, Robotics, High Performance Computing, and Innovative Methods of Computing. The conference features keynote speakers; a best student contribution award, poster award, and service award; a technical open panel, and workshops/exhibits from industry, government, and academia.* **The Business Guide to Free Information Technology Including Free/Libre Open Source Software** *Lulu.com The Guide summarizes computer software for over 30 business areas. The best software packages for each area are presented in plain English. This book answers the question of What is available. Anyone starting a business will quickly see how to capitalize on these in business. Anyone already in business learns what packages can be added to improve an existing business. Choose and area of interest such as accounting, time tracking, shared calendars, payroll, HR, POS, cash registers, online storefront, ERP, project management, messaging, groupware, email servers, document management, workflow, remote desktops, remote file access, VPN, customer management, sales, CRM, audio-visual, attorneys, physicians, spreadsheets, word processors, computer telephones, contact managers, presentations, spam control, web servers, database systems, web sites, blogs, forums, and others. The reader gains immediate knowledge of what software can be used in business.* **Information Technology for Small Business A Comprehensive Guide of Applications of End User Computing, Social Media, Cloud Computing, and Open Source Software to Business Process, Decision Making, and Outreaching for Students in Business Programs and Small Business Owners** *Universal-Publishers Information Technology for Small Business provides a comprehensive guide of applications of end user computing, social media, cloud computing, and open source software to business process, decision making, and outreaching for small businesses. It is designed for students in business programs and small business owners. The e-book highlights the most important concepts of information technology for small business, including information technology solution services and end user computing development. To maintain a well-rounded approach to the topics, both fundamental knowledge about information technology for small business and hands-on material are presented. Succinct tutorials for implementation of end user decision support systems and end user business intelligence in the end user computing environment are included.* **Research Anthology on Securing Medical Systems and Records** *IGI Global With the influx of internet and mobile technology usage, many medical institutions—from doctor's offices to hospitals—have implemented new online technologies for the storage and access of health data as well as the monitoring of patient health. Telehealth was particularly useful during the COVID-19 pandemic, which monumentally increased its everyday usage. However, this transition of health data has increased privacy risks, and cyber criminals and hackers may have increased access to patient personal data. Medical staff and administrations must remain up to date on the new technologies and methods in securing these medical systems and records. The Research Anthology on Securing Medical Systems and Records discusses the emerging challenges in healthcare privacy as well as the technologies, methodologies, and emerging research in securing medical systems and enhancing patient privacy. It provides information on the implementation of these technologies as well as new avenues of medical security research. Covering topics such as biomedical imaging, internet of things, and watermarking, this major reference work is a comprehensive resource for security analysts, data scientists, hospital administrators, leaders in healthcare, medical professionals, health information managers, medical professionals, mobile application developers, security professionals, technicians, students, libraries, researchers, and academicians.* **Zero Day The Threat In Cyberspace** *Diversion Books Will the world's next war be fought in cyberspace? "It's going to happen," said former National Defense University Professor Dan Kuehl. So much of the world's activity takes place on the internet now – including commerce, banking and communications -- the Pentagon has declared war in cyberspace an inevitability. For more than a year, Washington Post reporter Robert O'Harrow has explored the threats proliferating in our digital universe. This ebook, Zero Day: The Threat in Cyberspace, is a compilation of that reporting. With chapters built around real people, including hackers, security researchers and corporate executives, this book will help regular people, lawmakers and businesses better understand the mind-bending challenge of keeping the internet safe from hackers and security breaches -- and all out war.* **Wikibook of Health Informatics** *PediaPress* **EHealth2015 – Health Informatics Meets EHealth Innovative Health Perspectives: Personalized Health** *IOS Press Traditionally, medicine has involved therapies chosen according to clinical guidelines, often arrived at through clinical trials which categorized patients into patient groups. Such clinical guidelines would dictate that all patients within a specific group should be treated in exactly the same way. More recently, the paradigm has shifted towards personalized medicine, and in future, individual treatment plans will depend more on the specific characteristics of individual patients, including genomic data. This book presents the proceedings of the 9th scientific eHealth conference, the eHealth Summit Austria, held in Vienna, Austria, in June 2015. Among the main topics addressed at the conference were: active and ambient assisted living (AAL); eHealth education; electronic patient and health records; ethical legal and economic aspects of eHealth; ICT for integrated treatment, research and personalized medicine; patient portals and personal health records; semantic interoperability of information systems; and visualization of clinical or epidemiological data. One of the first fields of application for personalized medicine has been oncology, with current diagnostic tools including molecular risk factors, biomarkers and individual genomes. The next step in personalized medicine will be to extend these to a more general, personalized health approach. Such individual risk assessment and preventive strategies promise to have a huge impact on our healthcare systems, and this book will be of interest to all those involved in healthcare research, provision and practice.* **Electronic Medical Records A Practical Guide for Primary Care** *Springer Science & Business Media Physician adoption of electronic medical records (EMRs) has become a national priority. It is said that EMRs have the potential to greatly improve patient care, to provide the data needed for more effective population management and quality assurance of both an individual practice's patients and well as patients of large health care systems, and the potential to create efficiencies that allow physicians to provide this improved care at a far lower cost than at present. There is currently a strong U.S. government push for physicians to adopt EMR technology, with the Obama administration emphasizing the use of EMRs as an important part of the future of health care and urging widespread adoption of this technology by 2014. This timely book for the primary care community offers a concise and easy to read guide for implementing an EMR system. Organized in six sections, this invaluable title details the general state of the EMR landscape, covering the government's incentive program, promises and pitfalls of EMR technology, issues related to standardization and the range of EMR vendors from which a provider can choose. Importantly, chapter two provides a detailed and highly instructional account of the experiences that a range of primary care providers have had in implementing EMR systems. Chapter three discusses how to effectively choose an EMR system, while chapters four and five cover all of the vital pre-implementation and implementation issues in establishing an EMR system in the primary care environment. Finally, chapter six discusses how to optimize and maintain a new EMR system to achieve the full cost savings desired. Concise, direct, but above all honest in recognizing the challenges in choosing and implementing an electronic health record in primary care, Electronic Medical Records: A Practical Guide for Primary Care has been written with the busy primary care physician in mind.* **Hacking Healthcare A Guide to Standards, Workflows, and Meaningful Use** *"O'Reilly Media, Inc." Ready to take your IT skills to the healthcare industry? This concise book provides a candid assessment of the US healthcare system as it ramps up its use of electronic health records (EHRs) and other forms of IT to comply with the government's Meaningful Use requirements. It's a tremendous opportunity for tens of thousands of IT professionals, but it's also a huge challenge: the program requires a complete makeover of archaic records systems, workflows, and other practices now in place. This book points out how hospitals and doctors' offices differ from other organizations that use IT, and explains what's necessary to bridge the gap between clinicians and IT staff. Get an overview of EHRs and the differences among medical settings Learn the variety of ways institutions deal with patients and medical staff, and how workflows vary Discover healthcare's dependence on paper records, and the problems involved in migrating them to digital documents Understand how providers charge for care, and how they get paid Explore how patients can use EHRs to participate in their own care Examine healthcare's most pressing problem—avoidable errors—and how EHRs can both help and exacerbate it* **Design for Care Innovating Healthcare Experience** *Rosenfeld Media The world of healthcare is constantly evolving, ever increasing in complexity, costs, and stakeholders, and presenting huge challenges to policy making, decision making and system design. In Design for Care, we'll show how service and information designers can work with practice professionals and patients/advocates to make a positive difference in healthcare.* **Essentials of Nursing Informatics, 7th Edition** *McGraw Hill Professional The single best resource for learning how technology can make the nursing experience as rewarding and successful as possible Doody's Core Titles for 2021! Essentials of Nursing Informatics provides the information and insights readers need to manage and process data to improve the quality and outcomes of healthcare. Topics include the use of computers in nursing administration, practice, education, and research; computer systems and information theory; electronic medical records, continuum of care information technology systems, and personal health records; coding; and government, clinical, and private sector system requirements. This revised and updated edition covers the latest changes in technology, administration, policy, and their effects on healthcare informatics in the U.S., with contributing international authors from Canada, South America, Europe, Asia, Australia, and New Zealand. The seventh edition includes section summaries, and each chapter includes sample test questions and answers. This updated seventh edition covers: Nursing Informatics Technologies Nursing Practice Applications System Standards Advanced Applications for the 4th Nursing IT Revolution System Life Cycle Educational Applications Informatics Theory Standards Research Applications Policies and Quality Measures in Healthcare* **Meaningful Use and Beyond A Guide for IT Staff in Health Care** *"O'Reilly Media, Inc." Ready to take your IT skills to the healthcare industry? This concise book provides a candid assessment of the US healthcare system as it ramps up its use of electronic health records (EHRs) and other forms of IT to comply with the government's Meaningful Use requirements. It's a tremendous opportunity for tens of thousands of IT professionals, but it's also a huge challenge: the program requires a complete makeover of archaic records systems, workflows, and other practices now in place. This book points out how hospitals and doctors' offices differ from other organizations that use IT, and explains what's necessary to bridge the gap between clinicians and IT staff. Get an overview of EHRs and the differences among medical settings Learn the variety of ways institutions deal with patients and medical staff, and how workflows vary Discover healthcare's dependence on paper records, and the problems involved in migrating them to digital documents Understand how providers charge for care, and how they get paid Explore how patients can use EHRs to participate in their own care Examine healthcare's most pressing problem—avoidable errors—and how EHRs can both help and exacerbate it* **Sams Teach Yourself SQL in 10 Minutes** *Sams Publishing Organized into a series of easy-to-follow, ten-minute lessons, this tutorial-based book takes a hands-on approach to solving the problems of the majority of SQL users. Includes countless examples depicting all the major components of SQL.* **Systems Design for Remote Healthcare** *Springer Science & Business Media This book provides a multidisciplinary overview of the design and implementation of systems for remote patient monitoring and healthcare. Readers are guided step-by-step through the components of such a system and shown how they could be integrated in a coherent framework for deployment in practice. The authors explain planning from subsystem design to complete integration and deployment, given particular application constraints. Readers will benefit from descriptions of the clinical requirements underpinning the entire application scenario, physiological parameter sensing techniques, information processing approaches and overall,*

application dependent system integration. Each chapter ends with a discussion of practical design challenges and two case studies are included to provide practical examples and design methods for two remote healthcare systems with different needs. **Airway Management in Emergencies** PMPH-USA Written by international experts in a style that's concise, practical and to the point, Airway Management in Emergencies covers all the options -- both medical and surgical -- for managing any patient's airway in an emergency. Here, you'll find the core knowledge and accompanying management protocols necessary to assess, oxygenate, intubate, and monitor patients requiring emergency airway management. In each chapter, this high-yield coverage is supported by evidence-based algorithms, synoptic tips, and real-world case studies that show you how to resolve any difficult airway scenario you would likely encounter in clinical practice. **Medical Informatics 20/20: Quality and Electronic Health Records Through Collaboration, Open Solutions, and Innovation** Jones & Bartlett Publishers Despite pressure from the private sector to market their own custom solutions, the healthcare industry is coming around to the idea of applying the strategies of collaboration, open solutions, and innovation to meet the ever-changing demands for healthcare information to support quality and safety. This book provides a roadmap for improving quality of care using Electronic Health Records (EHR) and interoperable, consumer-centric health information solutions. Important Notice: The digital edition of this book is missing some of the images or content found in the physical edition. **Electronic Health Record Standards, Coding Systems, Frameworks, and Infrastructures** John Wiley & Sons Discover How Electronic Health Records Are Built to Drive the Next Generation of Healthcare Delivery The increased role of IT in the healthcare sector has led to the coining of a new phrase "health informatics," which deals with the use of IT for better healthcare services. Health informatics applications often involve maintaining the health records of individuals, in digital form, which is referred to as an Electronic Health Record (EHR). Building and implementing an EHR infrastructure requires an understanding of healthcare standards, coding systems, and frameworks. This book provides an overview of different health informatics resources and artifacts that underlie the design and development of interoperable healthcare systems and applications. Electronic Health Record: Standards, Coding Systems, Frameworks, and Infrastructures compiles, for the first time, study and analysis results that EHR professionals previously had to gather from multiple sources. It benefits readers by giving them an understanding of what roles a particular healthcare standard, code, or framework plays in EHR design and overall IT-enabled healthcare services along with the issues involved. This book on Electronic Health Record: Offers the most comprehensive coverage of available EHR Standards including ISO, European Union Standards, and national initiatives by Sweden, the Netherlands, Canada, Australia, and many others Provides assessment of existing standards Includes a glossary of frequently used terms in the area of EHR Contains numerous diagrams and illustrations to facilitate comprehension Discusses security and reliability of data **Surgical Care at the District Hospital** World Health Organization Many patients who present to district (first-referral) level hospitals require surgical treatment for trauma obstetric abdominal or orthopaedic emergencies. Often surgery cannot be safely postponed to allow their transfer to a secondary or tertiary-level hospital but many district hospitals in developing countries have no specialist surgical teams and are staffed by medical nursing and paramedical personnel who perform a wide range of surgical procedures often with inadequate training. the quality of surgical and acute care is often further constrained by poor facilities inadequate low-technology apparatus and limited supplies of drugs materials and other essentials. the mission of the team responsible for Clinical Procedures in the World Health Organization Department of Essential Health Technologies (EHT) is to promote the quality of clinical care through the identification promotion and standardization of appropriate procedures equipment and materials particularly at district hospital level. WHO/BCT has identified education and training as a particular priority especially for non-specialist practitioners who practise surgery and anaesthesia. It has therefore developed Surgical Care at the District Hospital as a practical resource for individual practitioners and for use in undergraduate and postgraduate programmes in-service training and continuing medical education programmes. the manual is a successor of three earlier publications that are widely used throughout the world and that remain important reference texts: General Surgery at the District Hospital (WHO 1988) Surgery at the District Hospital: Obstetrics Gynaecology Orthopaedics and Traumatology (WHO 1991) Anaesthesia at the District Hospital (WHO 1988; second edition 2000). This new manual draws together material from these three publications into a single volume which includes new and updated material as well as material from Managing Complications in Pregnancy and Childbirth: a Guide for Midwives and Doctors (WHO 2000). Link to the full training tool kit CD-ROM: WHO Integrated Management for Emergency and Essential Surgical Care (IMEESC) Toolkit CD-ROM Surgical Care at the District Hospital is a compact but comprehensive outline of modern surgical care focusing on fundamental precepts and practical techniques. the illustrations are clear instructive and appropriate. the authors are to be commended on a much improved new edition. Barry J. Gainor MD Chairman Health Volunteers Overseas Professor of Orthopedic Surgery University of Missouri-Columbia ...Indispensable manual for outlying health centres. - International Federation of Surgical Colleges **Enhanced Living Environments Algorithms, Architectures, Platforms, and Systems** Springer This open access book was prepared as a Final Publication of the COST Action IC1303 "Algorithms, Architectures and Platforms for Enhanced Living Environments (AAPELE)". The concept of Enhanced Living Environments (ELE) refers to the area of Ambient Assisted Living (AAL) that is more related with Information and Communication Technologies (ICT). Effective ELE solutions require appropriate ICT algorithms, architectures, platforms, and systems, having in view the advance of science and technology in this area and the development of new and innovative solutions that can provide improvements in the quality of life for people in their homes and can reduce the financial burden on the budgets of the healthcare providers. The aim of this book is to become a state-of-the-art reference, discussing progress made, as well as prompting future directions on theories, practices, standards, and strategies related to the ELE area. The book contains 12 chapters and can serve as a valuable reference for undergraduate students, post-graduate students, educators, faculty members, researchers, engineers, medical doctors, healthcare organizations, insurance companies, and research strategists working in this area. **Health Informatics Practical Guide** Lulu Press, Inc Health informatics (also known as biomedical and health informatics or just plain informatics) is the field concerned with the optimal use of data and information, usually aided by technology, to improve individual health, healthcare, public health, and biomedical research. The goal of this book is to provide a comprehensive introduction to the major areas of the field, both for those who are just beginning their studies or are already working in the field. This 8th edition reflects the current knowledge of the field and provides learning objectives, extensive references, and additional readings. **Foss for Health Primer** Xlibris Corporation **Process Support and Knowledge Representation in Health Care BPM 2012 Joint Workshop, ProHealth 2012/KR4HC 2012, Tallinn, Estonia, September 3, 2012, Revised Selected Papers** Springer This book constitutes thoroughly refereed revised selected papers from the BPM 2012 Joint Workshop on Process-Oriented Information Systems and Knowledge Representation in Health Care, ProHealth 2012/KR4HC 2012, held in Tallinn, Estonia, in September 2012. The 9 papers presented were carefully reviewed and selected from 19 submissions. In addition the book contains 1 keynote paper and 2 invited contributions. The papers are organized in topical sections named: guidelines and summarization; archetypes and cooperation; and process mining and temporal analysis. **Information Technology and Systems ICITS 2021, Volume 2** Springer Nature This book is composed by the papers written in English and accepted for presentation and discussion at The 2021 International Conference on Information Technology & Systems (ICITS 21), held at the Universidad Estatal Península de Santa Elena, in Libertad, Ecuador, between the 10th and the 12th of February 2021. ICITS is a global forum for researchers and practitioners to present and discuss recent findings and innovations, current trends, professional experiences and challenges of modern information technology and systems research, together with their technological development and applications. The main topics covered are information and knowledge management; organizational models and information systems; software and systems modelling; software systems, architectures, applications and tools; multimedia systems and applications; computer networks, mobility and pervasive systems; intelligent and decision support systems; big data analytics and applications; human–computer interaction; ethics, computers & security; health informatics; and information technologies in education. **Health Informatics: Practical Guide for Healthcare and Information Technology Professionals (Sixth Edition)** Lulu.com Health Informatics (HI) focuses on the application of Information Technology (IT) to the field of medicine to improve individual and population healthcare delivery, education and research. This extensively updated fifth edition reflects the current knowledge in Health Informatics and provides learning objectives, key points, case studies and references. **Hadoop: The Definitive Guide** "O'Reilly Media, Inc." Ready to unlock the power of your data? With this comprehensive guide, you'll learn how to build and maintain reliable, scalable, distributed systems with Apache Hadoop. This book is ideal for programmers looking to analyze datasets of any size, and for administrators who want to set up and run Hadoop clusters. You'll find illuminating case studies that demonstrate how Hadoop is used to solve specific problems. This third edition covers recent changes to Hadoop, including material on the new MapReduce API, as well as MapReduce 2 and its more flexible execution model (YARN). Store large datasets with the Hadoop Distributed File System (HDFS) Run distributed computations with MapReduce Use Hadoop's data and I/O building blocks for compression, data integrity, serialization (including Avro), and persistence Discover common pitfalls and advanced features for writing real-world MapReduce programs Design, build, and administer a dedicated Hadoop cluster—or run Hadoop in the cloud Load data from relational databases into HDFS, using Sqoop Perform large-scale data processing with the Pig query language Analyze datasets with Hive, Hadoop's data warehousing system Take advantage of HBase for structured and semi-structured data, and ZooKeeper for building distributed systems **The Nuts and Bolts of Global Emergency Medicine** Global Emergency Medicine is a burgeoning field, helping to improve medical care around the globe. The possibilities to contribute are endless, but learning how to becoming involved can be intimidating. This book serves are a guidebook for students, residents and others interested in global health work. The book contains several practical sections written by a panel of experts in the field. **Knowledge Graphs and Semantic Web Third Iberoamerican Conference and Second Indo-American Conference, KGSWC 2021, Kingsville, Texas, USA, November 22-24, 2021, Proceedings** Springer Nature This book constitutes the thoroughly refereed proceedings of the Third Iberoamerican Conference, KGSWC 2021, held in Kingsville, Texas, USA, in November 2021.* The 22 full and 2 short papers presented were carefully reviewed and selected from 85 submissions. The papers cover topics related to software and its engineering, information systems, software creation and management, World Wide Web, web data description languages, and others. *Due to the Covid-19 pandemic the conference was held virtually. **Machine Design Roadmap to Successful Digital Health Ecosystems A Global Perspective** Academic Press Roadmap to Successful Digital Health Ecosystems: A Global Perspective presents evidence-based solutions found on adopting open platforms, standard information models, technology neutral data repositories, and computable clinical data and knowledge (ontologies, terminologies, content models, process models, and guidelines), resulting in improved patient, organizational, and global health outcomes. The book helps engaging countries and stakeholders take action and commit to a digital health strategy, create a global environment and processes that will facilitate and induce collaboration, develop processes for monitoring and evaluating national digital health strategies, and enable learnings to be shared in support of WHO's global strategy for digital health. The book explains different perspectives and local environments for digital health implementation, including data/information and technology governance, secondary data use, need for effective data interpretation, costly adverse events, models of care, HR management, workforce planning, system connectivity, data sharing and linking, small and big data, change management, and future vision. All proposed solutions are based on real-world scientific, social, and political evidence. • Provides a roadmap, based on examples already in place, to develop and implement digital health systems on a large-scale that are easily reproducible in different environments • Addresses World Health Organization (WHO)-identified research gaps associated with the feasibility and effectiveness of various digital health interventions • Helps readers improve future decision-making within a digital environment by detailing insights into the complexities of the health system • Presents evidence from real-world case studies from multiple countries to discuss new skills that suit new paradigms **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. **Taking Action Against Clinician Burnout A Systems Approach to Professional Well-Being** National Academies Press Patient-centered, high-quality health care relies on the well-being, health, and safety of health care clinicians. However, alarmingly high rates of clinician burnout in the United States are detrimental to the quality of care being provided, harmful to individuals in the workforce, and costly. It is important to take a systemic approach to address burnout that focuses on the structure, organization, and culture of health care. Taking Action Against Clinician Burnout: A Systems Approach to Professional Well-Being builds upon two groundbreaking reports from the past twenty years, To Err Is Human: Building a Safer Health System and Crossing the Quality Chasm: A New Health System for the 21st Century, which both called attention to the issues around patient safety and quality of care. This report explores the extent, consequences, and contributing factors of clinician burnout and provides a framework for a systems approach to clinician burnout and professional well-being, a research agenda to advance clinician well-being, and recommendations for the field. **Free Software for Busy People** Idiopathic Publishing **Clinical Research Informatics** Springer Science & Business Media The purpose of the book is to provide an overview of clinical research (types), activities, and areas where informatics and IT could fit

into various activities and business practices. This book will introduce and apply informatics concepts only as they have particular relevance to clinical research settings. **BMJ British Medical Journal The Wills Eye Manual Office and Emergency Room Diagnosis and Treatment of Eye Disease** *Lippincott Williams & Wilkins A best-selling source of compact, authoritative guidance on the treatment of ocular disorders in a variety of settings, The Wills Eye Manual, 8th Edition, is the comprehensive, high-yield reference of choice for both trainees and seasoned practitioners. It provides highly illustrated information on more than 200 ophthalmic conditions along with proven clinical recommendations from initial diagnosis through extended treatment. The consistent, bulleted outline format makes it ideal for portability and quick reference.* **MGMA Connexion Telehealth in the Developing World** *IDRC Health care is primarily about people-to-people interactions. It is about understanding, diagnosis, physical contact, communication, and, ultimately, providing care. By bringing people together, telecommunication technologies have the potential to improve both the quality of and access to health care in the remotest areas of the developing world. Telemedicine offers solutions for emergency medical assistance, long-distance consultation, administration and logistics, supervision and quality assurance, and education and training for healthcare professionals and providers. This book aims to redress the relative lack of published information on successful telehealth solutions in the developing world. It presents real-life stories from Asia, Africa, and Latin America. It is rich in practical experience and will be of interest to health professionals, development workers, and e-health and telehealth proponents interested in learning about, or contributing to the implementation of, appropriate solutions for 80% of the world's population.* **Curriculum Development and Evaluation in Nursing Education** *Springer Publishing Company "This is a detailed yet practical guide to planning, developing, and evaluating nursing curricula and educational programs. It provides a comprehensive and critical perspective on the totality of variables impacting curricular decisions...This book provides readers with a comprehensive overview of curriculum development, redesign, and evaluation processes...92 - 4 Stars" --Doody's Book Reviews Reorganized and updated to deliver practical guidelines for evidence-based curricular change and development, the fourth edition of this classic text highlights current research in nursing education as a springboard for graduate students and faculty in their quest for research projects, theses, dissertations, and scholarly activities. It also focuses on the specific sciences of nursing education and program evaluation as they pertain to nursing educators. New chapters address the role of faculty regarding curriculum development and approval processes in changing educational environments; course development strategies for applying learning theories, educational taxonomies, and team-building; needs assessment and the frame factors model; ADN and BSN and pathways to higher degrees; and planning for doctoral education. The fourth edition continues to provide the detailed knowledge and practical applications necessary for new and experienced faculty to participate in essential components of the academic role—instruction, curriculum, and evaluation. At its core, the text discusses the importance of needs assessment and evidence as a basis for revising or developing new programs and highlights requisite resources and political support. With a focus on interdisciplinary collaboration, the book addresses the growth of simulation, how to help new faculty transition into the academic role, and use of curriculum in both practice and academic settings. Additionally, the book describes the history and evolution of current nursing curricula and presents the theories, concepts, and tools necessary for curriculum development. Chapters include objectives, discussion points, learning activities, references, and a glossary. New to the Fourth Edition: Reorganized and updated to reflect recent evidence-based curricular changes and developments Highlights current research New chapter: Implementation of Curriculum – Course Development Strategies for the Application of Learning Theories, Educational Taxonomies, and Instruction Team-Building New chapter on Planning for Undergraduate Programs New content on Needs Assessment and the Frame Factors Model New content on Planning for Doctoral Education in Nursing New content on curriculum evaluation, financial support, budget management, and use of evidence Key Features: Supports new faculty as they transition to academe Addresses the need for preparing more faculty educators as defined by IOM report, the ACA, and the Consensus Model Describes the scope of academic curriculum models at every practice and academic level Threads the concept of interdisciplinary collaboration in education throughout Serves as a CNE Certification Review* **Medical Informatics Practical Guide for the Healthcare Professional 2008** *Lulu.com Medical informatics is a new field that combines information technology and clinical medicine to improve medical care, medical education and medical research. With over 1,000 references, this extensively updated second edition will serve as a practical guide for understanding the field of Medical Informatics. Topics covered include: Overview of Medical Informatics, Electronic Health Records, Interoperability, Patient Informatics, Online Medical Resources, Search Engines, Mobile Technology, Evidence Based Medicine, Clinical Practice Guidelines, Pay for Performance, Disease Management and Disease Registries, Patient Safety, Electronic Prescribing, Telemedicine, Picture Archiving and Communication Systems, Bioinformatics, Public Health Informatics, E-research, and Emerging Trends* **SOAP for Pediatrics** *Lippincott Williams & Wilkins SOAP for Pediatrics features over 70 clinical problems with each case presented in an easy to read 2-page layout. Each step presents information on how that case would likely be handled. Questions under each category teach the students important steps in clinical care. Blackwell's new SOAP series is a unique resource that also provides a step-by-step guide to learning how to properly document patient care. Covering the problems most commonly encountered on the wards, the text uses the familiar "SOAP" note format to record important clinical information and guide patient care. SOAP format puts the emphasis back on the patient's clinical problem not the diagnosis. This series is a practical learning tool for proper clinical care, improving communication between physicians, and accurate documentation. The books not only teach students what to do, but also help them understand why. Students will find these books a "must have" to keep in their white coat pockets for wards and clinics.*