Electronic Health Records For Allied Health

#electronic health records #allied health EHR #digital patient records #healthcare documentation #EMR for allied professionals

Explore the critical role of Electronic Health Records (EHR) in enhancing efficiency and patient care for allied health professionals. These digital patient records streamline healthcare documentation, improve data accessibility, and foster seamless collaboration, ultimately leading to better outcomes across various allied health disciplines.

Electronic Health Records for Allied Health Careers

Technology is changing the qualifications required to perform both clinical and administrative allied health duties. Students entering the job market today must be familiar with the ways in which technology is used to perform on-the-job tasks. In particular, the understanding of electronic health records is essential. This text integrates the presentation of concepts with the opportunity to gain hands-on experience working with an EHR software package. The subject matter is presented in a logical order, proceeding from introductory material to coverage of specific features and functions of EHRs. After describing the need for EHRs, the text explains the basic purpose and content of an EHR system. With that knowledge in place, the subject moves to the topic of the information technology used in EHR systems. The need to ensure the privacy and security of the information in an EHR is emphasized.

Electronic Health Records for Allied Health Careers

Technology is changing the qualifications required to perform both clinical and administrative allied health duties. Students entering the job market today must be familiar with the ways in which technology is used to perform on-the-job tasks. In particular, the understanding of electronic health records is essential. This text integrates the presentation of concepts with the opportunity to gain hands-on experience working with a simulated EHR software, Practice Partner. The subject matter is presented in a logical order, proceeding from introductory material to coverage of specific features and functions of EHRs. After describing the need for EHRs, the text explains the basic purpose and content of an EHR system. With that knowledge in place, the subject moves to the topic of the information technology used in EHR systems. The need to ensure the privacy and security of the information in an EHR is emphasized.

Electronic Health Records for Allied Health Careers w/Student CD-ROM

This up-to-date, accurate, and approachable text teaches students about electronic health records across a variety of delivery systems, making it ideal for all allied health students, regardless of their career focus. To meet the needs of different types of learners, the text includes a wealth of images; figures; video tutorials of simulation activities; and hands-on exercises such as presentations, Web research, and more.Student BenefitsCovers core content to prepare students for RHIT exams.Includes a chapter on Personal Health Records, a topic of increasing importance in health-care education.Integrates soft skills and professionalism to prepare students for the workplace.Features a student-friendly, approachable writing style that meets students at their level to help them comprehend material.Instructor BenefitsProvides many assessment opportunities, including:Chapter Checkpoints to test recall.End-of-chapter exercises to assess objective learning and critical thinking.Software activities that are reported to the instructor.Each textbook includes access to the Course Navigator and its live EHR Navigator system!About the Course NavigatorThis Web-based learning management

system enhances students' understanding of core content through flashcards, live assessments, quizzes, 50 EHR tutorials, and a revolutionary EHR Navigator system. The Course Navigator also allows instructors to assess students' work, track progress, download results, and view upcoming events.About the EHR NavigatorBased on the best features of many industry EHR systems, this live, Web-based application gives students realistic practice using an EHR system. It teaches students the principles of EHR software through a variety of inpatient, outpatient, and PHR. activities, developing students' skills and preparing them to be market-ready the moment they graduate.The EHR Navigator:Replicates the professional practice to prepare students for the workplace.Provides experience in all areas of EHRs--from adding and scheduling patient appointments, to adding clinical data to patient charts, to coding, to ePrescribing.Offers students as much practice as they desire in a format that is easy-to-navigate, colorful, and user-friendly.Includes software activities that are graded and reported to the instructor.

Exploring Electronic Health Records

The straight scoop on choosing and implementing an electronic health records (EHR) system Doctors, nurses, and hospital and clinic administrators are interested in learning the best ways to implement and use an electronic health records system so that they can be shared across different health care settings via a network-connected information system. This helpful, plain-English guide provides need-to-know information on how to choose the right system, assure patients of the security of their records, and implement an EHR in such a way that it causes minimal disruption to the daily demands of a hospital or clinic. Offers a plain-English guide to the many electronic health records (EHR) systems from which to choose Authors are a duo of EHR experts who provide clear, easy-to-understand information on how to choose the right EHR system an implement it effectively Addresses the benefits of implementing an EHR system so that critical information (such as medication, allergies, medical history, lab results, radiology images, etc.) can be shared across different health care settings Discusses ways to talk to patients about the security of their electronic health records Electronic Health Records For Dummies walks you through all the necessary steps to successfully choose the right EHR system, keep it current, and use it effectively.

Exploring Electronic Health Records

Resource added for the Health Information Technology program 105301.

Electronic Health Records For Dummies

Electronic Health Records, a foundational course in Health Information Management or Health Information Technology programs prepares students to understand and use electronic records in a medical practice. Gartee's, first of its kind, "how to" text is designed to train future users of EHR programs, to document patient exam, diagnosis, orders, and coding. It contains screen shots, exercises and activities to provide a complete learning system. Written for everyone in the office who will touch the electronic medical record, course material is suitable for medical and nursing schools, allied health career schools, universities, community colleges and continuing education programs. ABOUT THE SOFTWARE : The Student CD that accompanies the book, can be networked, used for distance learning, or purchased individually or as a val pak with the book. The software does not come bound in the book. Instructors will receive a copy of the Medcin Software which is bound into the instructors manual by contacting their local representative. The Medcin Student Edition Software may be value packed with Richard Gartee's Electronic Health Records - ISBN: 0131564862 for $10.00 more than the price of the text or as a stand alone Student CDROM - ISBN:0131789376 available from Prentice Hall. The software is multi-user allowing students to work simultaneously and keep work separate. Exercise print outs generated from Medcin automatically include the student's login name or ID. Medcin is the licensed core technology in many prominent EHR Systems. 10 out of 15 EHR systems for medical offices use Medcin nomenclature as the technology underlying commercial EHR systems. Students therefore are more likely to apply skills acquired in this course to an EHR application in their office. All work is printed and no exercises require saving. All exercises are designed to be completed during a normal class time. Printers use a standard Windows system. For distance learning, the software allows the student to "Print to HTML" which will output the exercise document into a file that can be emailed.

Electronic Health Records

- 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

Electronic Health Records

Clinical Infomation Systems are increasingly important in Medical Practice. This work is a two-part book detailing the importance, selection and implementation of information systems in the health care setting. Volume One discusses the technical, organizational, clinical and administrative issues pertaining to EMR implementation. Highlighted topics include: infrastructure of the electronic patient records for administrators and clinicians, understanding processes and outcomes, and preparing for an EMR. The second workbook is filled with sample charts and questions, guiding the reader through the actual EMR implementation process.

Implementing an Electronic Health Record System

Never HIGHLIGHT a Book Again! Virtually all of the testable terms, concepts, persons, places, and events from the textbook are included. Cram101 Just the FACTS101 studyguides give all of the outlines, highlights, notes, and quizzes for your textbook with optional online comprehensive practice tests. Only Cram101 is Textbook Specific. Accompanys: 9780077423698 .

Electronic Medical Records

This manual has been designed as a basic reference for use when exploring the development and implementation of electronic health record (EHR) systems. It provides a general overview, some basic definitions and examples of EHR practices. Also covered are points for consideration when moving towards the introduction of an EHR, some issues and challenges which may need to be addressed and some possible strategies, along with steps and activities to implementation. There is a particular focus on setting goals, revising policies, developing an action plan and outlining implementation procedures.

Studyguide for Electronic Health Records for Allied Health Careers by Susan M. Sanderson, ISBN 9780077423698

Commissioned by the Department of Health and Human Services, Key Capabilities of an Electronic Health Record System provides guidance on the most significant care delivery-related capabilities of electronic health record (EHR) systems. There is a great deal of interest in both the public and private sectors in encouraging all health care providers to migrate from paper-based health records to a system that stores health information electronically and employs computer-aided decision support systems. In part, this interest is due to a growing recognition that a stronger information technology infrastructure is integral to addressing national concerns such as the need to improve the safety and the quality of health care, rising health care costs, and matters of homeland security related to the health sector. Key Capabilities of an Electronic Health Record System provides a set of basic functionalities that an EHR system must employ to promote patient safety, including detailed patient data (e.g., diagnoses, allergies, laboratory results), as well as decision-support capabilities (e.g., the ability to alert providers to potential drug-drug interactions). The book examines care delivery functions, such as database management and the use of health care data standards to better advance the safety, quality, and efficiency of health care in the United States.

Electronic Health Records

"This book discusses the elements of EHR implementation in a clear, chronological format from planning to execution. Along the way, readers receive a solid background in EHR history, trends, and common pitfalls and gain the skills they will need for a successful implementation."

Key Capabilities of an Electronic Health Record System

Revised and updated to include the latest trends and applications in electronic health records, the third edition of Margret K. Amatayakuls Electronic Health Records: A Practical Guide for Professionals and Organizations offers step-by-step guidelines for developing and implementing EHR strategies for healthcare organizations. New chapters include: Information Systems Theory and Life Cycle EHR Project Management EHR Bridge Strategies, Acute Care EHR Applications, Ambulatory Care EHR

Applications Momentum for Health Information Exchange. New Appendixes include: Case studies: CPOE, PHR, Patient Education and References, Document Imaging for Clinician Access Practice briefs: Legal, Hybrid, Data Quality Management Model, EDMS This is the most important EHR resource for all health information management students and educators as well as for all healthcare professionals. Margret K. Amatayakul, MBA, RHIA, CHPS, CPHIT, CPEHR, FHIMSS, is president of Margret\\A Consulting, LLC, specializing in computer-based patient records and HIM standards, including HIPAA. A leading authority on EHR strategies for healthcare organizations, she also serves as adjunct faculty with the College of St. Scholastica and the University of Illinois at Chicago.

Electronic Health Records

Each year in the United States, more than 4,000 occupational fatalities and more than 3 million occupational injuries occur along with more than 160,000 cases of occupational illnesses. Incorporating patients' occupational information into electronic health records (EHRs) could lead to more informed clinical diagnosis and treatment plans as well as more effective policies, interventions, and prevention strategies to improve the overall health of the working population. At the request of the National Institute for Occupational Safety and Health, the IOM appointed a committee to examine the rationale and feasibility of incorporating occupational information in patients' EHRs. The IOM concluded that three data elements - occupation, industry, and work-relatedness - were ready for immediate focus, and made recommendations on moving forward efforts to incorporate these elements into EHRs.

Electronic Health Records

The availability of complete medical information when needed brought the innovation of storing the patient’s information electronically. Improvement of patient medical care was and is the catalyst for the electronic health record. Electronic Health Records provides the conceptual theory and hands-on application students need to work in today's medical office. Hands-on practice uses fully-functional demo version of SpringCharts EHR software which is available for students to use.

Incorporating Occupational Information in Electronic Health Records

A glossary at the end of the book clarifies IT jargon. A list of references and websites will point you toward additional information.

Electronic Health Records

Substantial empirical evidence of the contribution of social and behavioral factors to functional status and the onset and progression of disease has accumulated over the past few decades. Electronic health records (EHRs) provide crucial information to providers treating individual patients, to health systems, including public health officials, about the health of populations, and to researchers about the determinants of health and the effectiveness of treatment. Inclusion of social and behavioral health domains in EHRs is vital to all three uses. The Health Information Technology for Economic and Clinical Health Act and the Patient Protection and Affordable Care Act place new importance on the widespread adoption and meaningful use of EHRs. "Meaningful use" in a health information technology context refers to the use of EHRs and related technology within a health care organization to achieve specified objectives. Achieving meaningful use also helps determine whether an organization can receive payments from the Medicare EHR Incentive Program or the Medicaid EHR Incentive Program. Capturing Social and Behavioral Domains in Electronic Health Records is the first phase of a two-phase study to identify domains and measures that capture the social determinants of health to inform the development of recommendations for meaningful use of EHRs. This report identifies specific domains to be considered by the Office of the National Coordinator, specifies criteria that should be used in deciding which domains should be included, identifies core social and behavioral domains to be included in all EHRs, and identifies any domains that should be included for specific populations or settings defined by age, socioeconomic status, race/ethnicity, disease, or other characteristics.

The Executive's Guide to Electronic Health Records

Determinants of health - like physical activity levels and living conditions - have traditionally been the concern of public health and have not been linked closely to clinical practice. However, if standardized social and behavioral data can be incorporated into patient electronic health records (EHRs), those data can provide crucial information about factors that influence health and the effectiveness of treatment.

Such information is useful for diagnosis, treatment choices, policy, health care system design, and innovations to improve health outcomes and reduce health care costs. Capturing Social and Behavioral Domains and Measures in Electronic Health Records: Phase 2 identifies domains and measures that capture the social determinants of health to inform the development of recommendations for the meaningful use of EHRs. This report is the second part of a two-part study. The Phase 1 report identified 17 domains for inclusion in EHRs. This report pinpoints 12 measures related to 11 of the initial domains and considers the implications of incorporating them into all EHRs. This book includes three chapters from the Phase 1 report in addition to the new Phase 2 material. Standardized use of EHRs that include social and behavioral domains could provide better patient care, improve population health, and enable more informative research. The recommendations of Capturing Social and Behavioral Domains and Measures in Electronic Health Records: Phase 2 will provide valuable information on which to base problem identification, clinical diagnoses, patient treatment, outcomes assessment, and population health measurement.

Capturing Social and Behavioral Domains in Electronic Health Records

Determinants of health - like physical activity levels and living conditions - have traditionally been the concern of public health and have not been linked closely to clinical practice. However, if standardized social and behavioral data can be incorporated into patient electronic health records (EHRs), those data can provide crucial information about factors that influence health and the effectiveness of treatment. Such information is useful for diagnosis, treatment choices, policy, health care system design, and innovations to improve health outcomes and reduce health care costs. "Capturing Social and Behavioral Domains and Measures in Electronic Health Records: Phase 2" identifies domains and measures that capture the social determinants of health to inform the development of recommendations for the meaningful use of EHRs. This report is the second part of a two-part study. The Phase 1 report identified 17 domains for inclusion in EHRs. This report pinpoints 12 measures related to 11 of the initial domains and considers the implications of incorporating them into all EHRs. This book includes three chapters from the Phase 1 report in addition to the new Phase 2 material. Standardized use of EHRs that include social and behavioral domains could provide better patient care, improve population health, and enable more informative research. The recommendations of "Capturing Social and Behavioral Domains and Measures in Electronic Health Records: Phase 2" will provide valuable information on which to base problem identification, clinical diagnoses, patient treatment, outcomes assessment, and population health measurement.

Capturing Social and Behavioral Domains and Measures in Electronic Health Records

This practical guide goes step by step through the process of creating electronic records in the medical practice setting. It comes complete with tools, checklists, case studies and exhibits, and is the only book targeted to meet the needs of physician practices.

Capturing Social and Behavioral Domains and Measures in Electronic Health Records

Why Epic is the best electronic health records (EHR) system

Electronic Health Records

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

Why Epic Is the Best Electronic Health Records (EHR) System

When you visit the doctor, information about you may be recorded in an office computer. Your tests may be sent to a laboratory or consulting physician. Relevant information may be transmitted to your health insurer or pharmacy. Your data may be collected by the state government or by an organization that accredits health care or studies medical costs. By making information more readily available to those who need it, greater use of computerized health information can help improve the quality of health care and reduce its costs. Yet health care organizations must find ways to ensure that electronic health information is not improperly divulged. Patient privacy has been an issue since the oath of Hippocrates first called on physicians to "keep silence" on patient matters, and with highly sensitive data--genetic information, HIV test results, psychiatric records--entering patient records, concerns over privacy and security are growing. For the Record responds to the health care industry's need for greater guidance in protecting health information that increasingly flows through the national information infrastructure--from patient to provider, payer, analyst, employer, government agency, medical product manufacturer, and beyond. This book makes practical detailed recommendations for technical and organizational solutions and national-level initiatives. For the Record describes two major types of privacy and security concerns that stem from the availability of health information in electronic form: the increased potential for inappropriate release of information held by individual organizations (whether by those with access to computerized records or those who break into them) and systemic concerns derived from open and widespread sharing of data among various parties. The committee reports on the technological and organizational aspects of security management, including basic principles of security; the effectiveness of technologies for user authentication, access control, and encryption; obstacles and incentives in the adoption of new technologies; and mechanisms for training, monitoring, and enforcement. For the Record reviews the growing interest in electronic medical records; the increasing value of health information to providers, payers, researchers, and administrators; and the current legal and regulatory environment for protecting health data. This information is of immediate interest to policymakers, health policy researchers, patient advocates, professionals in health data management, and other stakeholders.

Electronic Health Record

Electronic Health Records (EHR) offer great potential to increase healthcare efficiency, improve patient safety, and reduce health costs. The adoption of EHRs among office-based physicians in the US has increased from 20% ten years ago to over 80% in 2014. Among acute care hospitals in US, the adoption rate today is approaching 100%. Finding relevant patient information in electronic health records' (EHRs) large datasets is difficult, especially when organized only by data type and time. Automated clinical summarization creates condition-specific displays, promising improved clinician efficiency. However, automated summarization requires new kinds of clinical knowledge (e.g., problem-medication relationships).

For the Record

The nation's health care delivery system is rapidly being transformed by the introduction of computer-based health information systems - specifically, by electronic health records (EHRs). Among the positions explored contain procedures for implementing electronic health records in a physician's office, Health information troubleshooting, HIPPA compliance, and hands-on practical use. This text provides students with no background whatsoever in electronic health records with the techniques and rationales for using such cutting-edge techniques in real-world situations. Moreover, this guide allows a successfully CEHRT motivation to pave the way toward establishing a foothold in the exciting and rewarding allied health field, a career that conveys as much job security as to be found anywhere.

Better EHR

Electronic Health Records: DOD and VA Have Increased Their Sharing of Health Information, but More Work Remains

Newman's Certified Electronic Health Record Technicians Study Guide

"Using electronic health records accurately and effectively is critical to patient safety. With Paradigm's EHR Navigator learning environment and Exploring Electronic Health Records course content, you can develop your students' EHR skills to better prepare them for clinicals and nursing careers."--Google Books viewed March 4, 2022.

Electronic Health Records

This book details how electronic health records (EHRs) and medical records (EMRs) can be optimized to enable meaningful interactions between provider and patient to enhance quality of care in this new era of mHealth. As the technologies evolve to provide greater opportunities for mHealth applications, so do the challenges. This book addresses the issues of interoperability limitations, data processing errors and patient data privacy while providing instruction on how blockchain-like processes can potentially ensure the integrity of an externally maintained EHR. Portable Health Records in a Mobile Society identifies important issues and promising solutions to create a truly portable EHRs. It is a valuable resource for all informaticians and healthcare providers seeking an up-to-date resource on how to improve the availability, reliability, integrity and sustainability of these revolutionary developments in healthcare management. .

Exploring Electronic Health Records, with Navigator

This book details how electronic health records (EHRs) and medical records (EMRs) can be optimized to enable meaningful interactions between provider and patient to enhance quality of care in this new era of mHealth. As the technologies evolve to provide greater opportunities for mHealth applications, so do the challenges. This book addresses the issues of interoperability limitations, data processing errors and patient data privacy while providing instruction on how blockchain-like processes can potentially ensure the integrity of an externally maintained EHR. Portable Health Records in a Mobile Society identifies important issues and promising solutions to create a truly portable EHRs. It is a valuable resource for all informaticians and healthcare providers seeking an up-to-date resource on how to improve the availability, reliability, integrity and sustainability of these revolutionary developments in healthcare management.

Portable Health Records in a Mobile Society

This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. ESSENTIALS OF ELECTRONIC HEALTH RECORDS, 1/e is a concise “learn by doing” text for everyone who must use an electronic health records system, including medical assistants, and other medical office staff. It provides a basic understanding of EHR tasks and functional benefits that is continuously reinforced by actual EHR experiences. Reflecting the latest EHR rules, regulations, and innovations, it contains over 40 hands-on guided and critical thinking exercises utilizing actual EHR software. This “essentials” guide focuses on core tasks, including using search and prompt, lists, forms, coding, and reimbursements. It concludes with a comprehensive student evaluation comprising a written exam and hands-on critical thinking exercises using both EHR software and the Internet. Visit this demo link to learn more about this product and how to use it: http://www.pearsonhighered.com/garteedemo/

Portable Health Records in a Mobile Society

As healthcare organisations and governments look to information technology to capitalise and enhance healthcare, the need for effective investment to update existing technology and provide cost-effective infrastructure for the future becomes clear. The issues of defining success and understanding opportunities are crucial to planning optimum investment and the best use of scarce resources. This book presents papers from the Australian Health Informatics Conference (HIC 2014), held in Melbourne, Australia, in August 2014. With the theme of investing in e-health: people, knowledge and technology for a healthy future, the papers delivered at the conference and included here address the issues of building a future-focused, scalable and adaptable infrastructure and of training the healthcare workforce necessary to support it. Subjects covered include: user participation in ICT development for older adults; interactive patient websites; application areas of multi-user virtual environments in the healthcare context; as well as governance, training and assessing the quality of data in public health information systems. The book will be of interest to all those policy makers and practitioners involved in the planning and implementation of information technology projects as part of the healthcare system.

Essentials of Electronic Health Records

Now significantly expanded and fully updated, IN FORMATION TECHNOLOGY FOR THE HEALTH PROFESSIONS, 4/e is the ideal information technology primer for readers working in any healthcare field, including allied health, nursing, medical/dental/pharmaceutical assisting, or medical administration. It fully addresses each key issue in contemporary healthcare IT, including the accelerating migration towards electronic health records. New coverage includes: smartphones, tablets, and their healthcare applications; the role of healthcare reform in promoting health IT; EHR meaningful use criteria; new practice management scheduling software; the growth of telemedicine; new problems in public health; interventional radiology; surgery-related nanotechnology; information-related biotech and pharmaceutical trends; expanded applications in psychiatry and rehabilitation; genetic privacy; and much more.

Investing in E-Health: People, Knowledge and Technology for a Healthy Future

Although physicians and hospitals are receiving incentives to use electronic health records (EHRs), there is little emphasis on workflow and process improvement by providers or vendors. As a result, many healthcare organizations end up with incomplete product specifications and poor adoption rates.Process Improvement with Electronic Health Records:

Information Technology for the Health Professions

The Electronic Health Record for the Physician's Office for SimChart for the Medical Office

Process Improvement with Electronic Health Records

This book provides interdisciplinary analysis of electronic health record systems and medical big data, offering a wealth of technical, legal, and policy insights.

The Electronic Health Record for the Physician's Office for SimChart for the Medical Office

Edited by a professor at Harvard Medical School who has extensive experience in this field, this important and timely book presents a variety of perspectives on the organization of patient medical records around patient problems, presenting a more effective problem-oriented approach rather than the traditional data-oriented approach. It is comprehensive, covering the history and importance of the electronic health record, the attitudes toward and use of problem lists, strategies to improve the problem list, and applications in practice of the problem list.

Electronic Health Records and Medical Big Data

Practice Management and EHR: A Total Patient Encounter for Medisoft Clinical is a unique one-semester text designed to teach allied health students how to work with an integrated practice management and electronic health record program. It covers EHR and insurance and patient billing so students obtain a comprehensive picture of documenting the administrative and clinical tasks that take place during each step of the patient encounter during an office visit. It prepares students for employment in both administrative and clinical positions in a medical office. Visit the PMEHR OLC

Clinical Problem Lists in the Electronic Health Record

Exploiting the rich information found in electronic health records (EHRs) can facilitate better medical research and improve the quality of medical practice. Until now, a trivial amount of research has been published on the challenges of leveraging this information. Addressing these challenges, Information Discovery on Electronic Health Records explores the technology to unleash the data stored in EHRs. Assembling a truly interdisciplinary team of experts, the book tackles medical privacy concerns, the lack of standardization for the representation of EHRs, missing or incorrect values, and the availability of multiple rich health ontologies. It looks at how to search the EHR collection given a user query and return relevant fragments from the EHRs. It also explains how to mine the EHR collection to extract interesting patterns, group entities to various classes, or decide whether an EHR satisfies a given property. Most of the book focuses on textual or numeric data of EHRs, where more searching and mining progress has occurred. A chapter on the processing of medical images is also included. Maintaining a uniform style across chapters and minimizing technical jargon, this book presents the

various ways to extract useful knowledge from EHRs. It skillfully discusses how EHR data can be effectively searched and mined.

Practice Management and EHR: A Total Patient Encounter for Medisoft Clinical

Information Discovery on Electronic Health Records